

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/24/2023

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	22.29	20.32	18.92	18.80	19.43	21.87	26.91	27.40	26.63	23.82	22.14	23.73	23.94	26.27	26.56	28.49	31.60	33.98	34.26	32.56	32.26	30.13	24.11	21.34
24138	0.49	0.33	0.33	0.28	0.32	0.32	0.48	0.73	1.19	0.93	1.01	1.00	0.76	0.63	0.61	0.58	0.79	0.80	0.99	1.14	1.47	1.14	1.11	0.60
	-14.56	-14.91	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
74TH STREET_GT_1	22.29	20.32	18.92	18.80	19.43	21.87	26.90	27.39	26.63	23.82	22.12	23.71	23.94	26.27	26.56	28.49	31.60	33.97	34.26	32.57	32.26	30.13	24.10	21.34
24260	0.49	0.33	0.33	0.28	0.32	0.32	0.47	0.72	1.19	0.93	1.00	0.98	0.75	0.62	0.61	0.57	0.78	0.79	0.99	1.14	1.47	1.14	1.11	0.61
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
74TH STREET_GT_2	22.29	20.32	18.92	18.80	19.43	21.87	26.90	27.39	26.63	23.82	22.12	23.71	23.94	26.27	26.56	28.49	31.60	33.97	34.26	32.57	32.26	30.13	24.10	21.34
24261	0.49	0.33	0.33	0.28	0.32	0.32	0.47	0.72	1.19	0.93	1.00	0.98	0.75	0.62	0.61	0.57	0.78	0.79	0.99	1.14	1.47	1.14	1.11	0.61
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
ADK HUDSON___FALLS	26.38	24.54	22.74	22.82	23.41	26.56	32.44	32.01	29.27	26.91	24.51	26.37	27.52	30.92	31.08	33.30	36.32	40.55	40.01	36.91	35.16	33.73	26.24	24.87
24011	0.36	0.24	0.25	0.21	0.25	0.26	0.38	0.52	0.76	0.53	0.56	0.55	0.50	0.48	0.48	0.46	0.52	0.50	0.62	0.68	1.04	0.82	0.73	0.40
	-18.77	-19.23	-17.37	-18.23	-18.06	-21.19	-25.08	-21.49	-13.70	-15.53	-12.60	-14.71	-18.15	-22.93	-23.14	-25.76	-26.45	-30.78	-27.32	-21.42	-14.78	-17.46	-11.23	-16.59
ADK RESOURCE___RCVRY	26.41	24.58	22.77	22.85	23.45	26.60	32.50	32.08	29.37	26.98	24.58	26.47	27.59	31.00	31.16	33.39	36.42	40.63	40.10	37.01	35.27	33.84	26.31	24.91
23798	0.38	0.26	0.27	0.22	0.27	0.28	0.42	0.57	0.84	0.60	0.61	0.64	0.55	0.54	0.54	0.52	0.59	0.55	0.68	0.75	1.14	0.91	0.79	0.43
	-18.79	-19.25	-17.39	-18.25	-18.07	-21.21	-25.10	-21.51	-13.71	-15.55	-12.61	-14.73	-18.17	-22.96	-23.17	-25.79	-26.48	-30.81	-27.34	-21.44	-14.80	-17.48	-11.24	-16.60
ADK S GLENS___FALLS	26.38	24.54	22.74	22.82	23.41	26.56	32.44	32.01	29.27	26.91	24.51	26.37	27.52	30.92	31.08	33.30	36.32	40.55	40.01	36.91	35.16	33.73	26.24	24.87
24028	0.36	0.24	0.25	0.21	0.25	0.26	0.38	0.52	0.76	0.53	0.56	0.55	0.50	0.48	0.48	0.46	0.52	0.50	0.62	0.68	1.04	0.82	0.73	0.40
	-18.77	-19.23	-17.37	-18.23	-18.06	-21.19	-25.08	-21.49	-13.70	-15.53	-12.60	-14.71	-18.15	-22.93	-23.14	-25.76	-26.45	-30.78	-27.32	-21.42	-14.78	-17.46	-11.23	-16.59
ADK_NYS___DAM	25.68	23.81	22.09	22.12	22.72	25.75	31.44	31.15	28.73	26.26	23.95	25.59	26.53	29.62	29.63	31.57	34.55	39.19	38.88	36.15	34.52	33.00	25.78	24.19
23527	0.42	0.29	0.31	0.26	0.30	0.31	0.40	0.53	0.77	0.52	0.51	0.51	0.40	0.34	0.33	0.31	0.42	0.42	0.59	0.78	1.00	0.80	0.73	0.41
	-18.00	-18.45	-16.67	-17.49	-17.32	-20.33	-24.06	-20.61	-13.14	-14.90	-12.09	-13.98	-17.26	-21.78	-21.85	-24.17	-24.78	-29.50	-26.21	-20.55	-14.18	-16.75	-10.77	-15.91
AIR_PRODUCTS___DRP	25.48	23.69	21.95	22.02	22.60	25.61	31.25	30.87	28.32	26.02	23.72	25.51	26.55	29.75	29.91	32.05	35.03	39.07	38.63	35.75	33.99	32.60	25.39	24.00
24190	0.20	0.13	0.14	0.12	0.14	0.14	0.17	0.21	0.33	0.24	0.25	0.26	0.22	0.19	0.19	0.18	0.22	0.20	0.28	0.34	0.44	0.36	0.31	0.17
	-18.04	-18.48	-16.70	-17.52	-17.35	-20.36	-24.10	-20.66	-13.17	-14.94	-12.11	-14.15	-17.46	-22.06	-22.27	-24.79	-25.46	-29.60	-26.27	-20.60	-14.22	-16.79	-10.80	-15.95
AKWESSNE_115KV_BK	7.00	4.93	4.96	4.24	4.96	4.95	6.76	9.72	14.45	10.57	11.04	10.77	8.60	7.26	7.24	6.89	9.09	9.05	11.79	14.47	18.85	15.08	13.95	7.64
355683	-0.25	-0.15	-0.16	-0.14	-0.15	-0.16	-0.22	-0.28	-0.37	-0.27	-0.32	-0.33	-0.27	-0.25	-0.22	-0.19	-0.26	-0.22	-0.29	-0.34	-0.48	-0.37	-0.33	-0.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	25.48	23.69	21.95	22.02	22.60	25.61	31.25	30.87	28.32	26.02	23.72	25.51	26.55	29.75	29.91	32.05	35.03	39.07	38.63	35.75	33.99	32.60	25.39	24.00
23571	0.20	0.13	0.14	0.12	0.14	0.14	0.17	0.21	0.33	0.24	0.25	0.26	0.22	0.19	0.19	0.18	0.22	0.20	0.28	0.34	0.44	0.36	0.31	0.17
	-18.04	-18.48	-16.70	-17.52	-17.35	-20.36	-24.10	-20.66	-13.17	-14.94	-12.11	-14.15	-17.46	-22.06	-22.27	-24.79	-25.46	-29.60	-26.27	-20.60	-14.22	-16.79	-10.80	-15.95
ALBANY___2	25.48	23.69	21.95	22.02	22.60	25.61	31.25	30.87	28.32	26.02	23.72	25.51	26.55	29.75	29.91	32.05	35.03	39.07	38.63	35.75	33.99	32.60	25.39	24.00
23572	0.20	0.13	0.14	0.12	0.14	0.14	0.17	0.21	0.33	0.24	0.25	0.26	0.22	0.19	0.19	0.18	0.22	0.20	0.28	0.34	0.44	0.36	0.31	0.17
	-18.04	-18.48	-16.70	-17.52	-17.35	-20.36	-24.10	-20.66	-13.17	-14.94	-12.11	-14.15	-17.46	-22.06	-22.27	-24.79	-25.46	-29.60	-26.27	-20.60	-14.22	-16.79	-10.80	-15.95
ALBANY___3	25.48	23.69	21.95	22.02	22.60	25.61	31.25	30.87	28.32	26.02	23.72	25.51	26.55	29.75	29.91	32.05	35.03	39.07	38.63	35.75	33.99	32.60	25.39	24.00
23573	0.20	0.13	0.14	0.12	0.14	0.14	0.17	0.21	0.33	0.24	0.25	0.26	0.22	0.19	0.19	0.18	0.22	0.20	0.28	0.34	0.44	0.36	0.31	0.17
	-18.04	-18.48	-16.70	-17.52	-17.35	-20.36	-24.10	-20.66	-13.17	-14.94	-12.11	-14.15	-17.46	-22.06	-22.27	-24.79	-25.46	-29.60	-26.27	-20.60	-14.22	-16.79	-10.80	-15.95

ALBANY___4 23574	25.48 0.20 -18.04	23.69 0.13 -18.48	21.95 0.14 -16.70	22.02 0.12 -17.52	22.60 0.14 -17.35	25.61 0.14 -20.36	31.25 0.17 -24.10	30.87 0.21 -20.66	28.32 0.33 -13.17	26.02 0.24 -14.94	23.72 0.25 -12.11	25.51 0.26 -14.15	26.55 0.22 -17.46	29.75 0.19 -22.06	29.91 0.19 -22.27	32.05 0.18 -24.79	35.03 0.22 -25.46	39.07 0.20 -29.60	38.63 0.28 -26.27	35.75 0.34 -20.60	33.99 0.44 -14.22	32.60 0.36 -16.79	25.39 0.31 -10.80	24.00 0.17 -15.95
ALBANY___LFGE 323615	25.85 0.24 -18.36	24.05 0.16 -18.81	22.28 0.17 -17.00	22.35 0.14 -17.84	22.94 0.17 -17.66	26.01 0.16 -20.73	31.73 0.22 -24.54	31.30 0.28 -21.02	28.66 0.44 -13.40	26.35 0.31 -15.20	24.01 0.33 -12.33	25.87 0.36 -14.41	26.95 0.30 -17.78	30.24 0.27 -22.46	30.41 0.28 -22.68	32.59 0.25 -25.26	35.61 0.32 -25.94	39.69 0.29 -30.13	39.19 0.37 -26.74	36.24 0.46 -20.97	34.40 0.60 -14.47	33.02 0.48 -17.09	25.69 0.43 -10.98	24.33 0.23 -16.23
ALCOA_PA_115KV_PL-6C 55860	7.03 -0.22 0.00	4.94 -0.13 0.00	4.97 -0.15 0.00	4.25 -0.13 0.00	4.97 -0.13 0.00	4.97 -0.14 0.00	6.79 -0.19 0.00	9.76 -0.24 0.00	14.51 -0.31 0.00	10.61 -0.23 0.00	11.06 -0.30 0.00	10.79 -0.31 0.00	8.61 -0.26 0.00	7.26 -0.25 0.00	7.24 -0.21 0.00	6.90 -0.18 0.00	9.10 -0.25 0.00	9.07 -0.20 0.00	11.81 -0.27 0.00	14.50 -0.31 0.00	18.90 -0.43 0.00	15.14 -0.31 0.00	14.01 -0.27 0.00	7.68 -0.20 0.00
ALCOA_RYNLDS___DRP 24188	7.03 -0.22 0.00	4.94 -0.13 0.00	4.97 -0.15 0.00	4.25 -0.13 0.00	4.97 -0.13 0.00	4.97 -0.14 0.00	6.79 -0.19 0.00	9.76 -0.24 0.00	14.51 -0.31 0.00	10.61 -0.23 0.00	11.06 -0.30 0.00	10.79 -0.31 0.00	8.61 -0.26 0.00	7.26 -0.25 0.00	7.24 -0.21 0.00	6.90 -0.18 0.00	9.10 -0.25 0.00	9.07 -0.20 0.00	11.81 -0.27 0.00	14.50 -0.31 0.00	18.90 -0.43 0.00	15.14 -0.31 0.00	14.01 -0.27 0.00	7.68 -0.20 0.00
ALCOA___DSASP 323711	7.03 -0.22 0.00	4.93 -0.14 0.00	4.96 -0.15 0.00	4.25 -0.13 0.00	4.97 -0.13 0.00	4.97 -0.14 0.00	6.79 -0.19 0.00	9.76 -0.24 0.00	14.51 -0.31 0.00	10.61 -0.23 0.00	11.06 -0.30 0.00	10.79 -0.31 0.00	8.63 -0.24 0.00	7.26 -0.25 0.00	7.24 -0.21 0.00	6.90 -0.18 0.00	9.10 -0.25 0.00	9.07 -0.20 0.00	11.81 -0.27 0.00	14.50 -0.31 0.00	18.90 -0.43 0.00	15.14 -0.31 0.00	14.01 -0.27 0.00	7.68 -0.20 0.00
ALLEGHENY___COGEN 23514	10.45 0.41 -2.80	8.19 0.25 -2.87	7.98 0.28 -2.59	7.31 0.21 -2.72	8.04 0.25 -2.69	8.54 0.27 -3.16	11.07 0.36 -3.74	13.56 0.35 -3.20	21.75 0.13 -6.80	13.29 0.13 -2.32	13.34 0.11 -1.87	13.39 0.08 -2.21	11.58 -0.01 -2.72	10.95 0.01 -3.44	10.93 -0.01 -3.49	10.99 0.01 -3.90	13.43 0.07 -4.02	13.95 0.09 -4.58	16.41 0.27 -4.06	18.44 0.44 -3.19	22.09 0.56 -2.20	18.54 0.49 -2.60	16.38 0.43 -1.67	10.74 0.39 -2.47
ALTAMONT_115KV_TB 2 55880	25.59 0.25 -18.08	23.78 0.17 -18.53	22.04 0.18 -16.74	22.10 0.15 -17.57	22.68 0.18 -17.40	25.71 0.18 -20.42	31.38 0.24 -24.17	31.02 0.32 -20.70	28.50 0.49 -13.19	26.15 0.35 -14.96	23.85 0.36 -12.14	25.69 0.37 -14.22	26.70 0.29 -17.54	29.93 0.26 -22.17	30.12 0.25 -22.41	32.32 0.24 -25.00	35.36 0.32 -25.69	39.24 0.31 -29.66	38.81 0.41 -26.32	35.95 0.50 -20.64	34.23 0.66 -14.24	32.80 0.53 -16.82	25.59 0.49 -10.82	24.13 0.28 -15.98
ALTONA_WT_PWR 323606	6.93 -0.32 0.00	4.84 -0.24 0.00	4.85 -0.27 0.00	4.15 -0.22 0.00	4.88 -0.23 0.00	4.91 -0.20 0.00	6.79 -0.19 0.00	9.81 -0.19 0.00	14.63 -0.19 0.00	10.75 -0.09 0.00	11.21 -0.15 0.00	10.84 -0.25 0.00	8.66 -0.21 0.00	7.26 -0.25 0.00	7.29 -0.16 0.00	6.98 -0.10 0.00	9.21 -0.14 0.00	9.24 -0.03 0.00	12.07 -0.01 0.00	14.83 0.01 0.00	19.31 -0.02 0.00	15.39 -0.06 0.00	14.21 -0.07 0.00	7.73 -0.14 0.00
AMERICAN_REF_FUEL 24010	9.55 -0.20 -2.50	7.52 -0.11 -2.56	7.36 -0.07 -2.31	6.71 -0.09 -2.42	7.39 -0.12 -2.40	7.80 -0.13 -2.82	10.02 -0.29 -3.33	12.19 -0.67 -2.85	14.56 -1.04 -0.77	11.99 -0.91 -2.06	12.08 -0.95 -1.68	12.15 -0.92 -1.97	10.64 -0.66 -2.43	10.10 -0.48 -3.07	10.05 -0.51 -3.12	10.07 -0.50 -3.49	12.28 -0.65 -3.59	12.58 -0.79 -4.09	14.77 -0.94 -3.63	16.65 -1.01 -2.85	19.81 -1.49 -1.97	16.61 -1.16 -2.32	14.82 -0.96 -1.49	9.89 -0.19 -2.21
ARKWRIGHT___SUMMIT_WT_PWR 323751	10.14 0.06 -2.83	8.02 0.05 -2.90	7.80 0.07 -2.62	7.15 0.02 -2.75	7.85 0.02 -2.72	8.32 0.02 -3.20	10.73 -0.03 -3.78	13.04 -0.20 -3.24	15.49 -0.53 -1.20	12.93 -0.25 -2.34	13.01 -0.26 -1.91	13.05 -0.30 -2.25	11.48 -0.16 -2.77	10.94 -0.07 -3.51	10.84 -0.16 -3.56	10.86 -0.20 -3.98	13.19 -0.25 -4.09	13.58 -0.36 -4.67	15.88 -0.34 -4.14	17.66 -0.40 -3.25	20.89 -0.68 -2.24	17.54 -0.56 -2.65	15.55 -0.43 -1.69	10.41 0.03 -2.50
ARTHUR_KILL_GT_1 23520	22.26 0.46 -14.56	20.30 0.31 -14.92	18.89 0.30 -13.48	18.77 0.25 -14.14	19.40 0.29 -14.00	21.80 0.26 -16.43	26.81 0.38 -19.45	27.25 0.58 -16.67	26.41 0.98 -10.61	23.68 0.80 -12.04	21.98 0.86 -9.76	23.59 0.87 -11.62	23.82 0.65 -14.30	26.17 0.53 -18.13	26.46 0.52 -18.49	28.41 0.51 -20.82	31.49 0.68 -21.46	33.88 0.70 -23.91	34.14 0.88 -21.18	32.41 0.99 -16.61	32.06 1.28 -11.46	30.03 1.04 -13.54	24.05 1.06 -8.71	21.33 0.59 -12.87
ARTHUR_KILL_2 23512	22.25 0.44 -14.56	20.29 0.30 -14.92	18.88 0.29 -13.48	18.76 0.24 -14.14	19.39 0.28 -14.00	21.79 0.25 -16.43	26.80 0.37 -19.45	27.22 0.55 -16.67	26.37 0.93 -10.61	23.66 0.78 -12.04	21.96 0.84 -9.76	23.56 0.83 -11.62	23.80 0.63 -14.30	26.15 0.51 -18.13	26.45 0.51 -18.49	28.39 0.49 -20.82	31.47 0.65 -21.46	33.85 0.68 -23.91	34.09 0.83 -21.18	32.37 0.95 -16.61	32.00 1.22 -11.46	29.98 0.99 -13.54	24.01 1.01 -8.71	21.31 0.57 -12.87
ARTHUR_KILL_3 23513	22.24 0.44 -14.56	20.28 0.29 -14.92	18.88 0.29 -13.48	18.76 0.24 -14.14	19.39 0.28 -14.00	21.83 0.28 -16.43	26.85 0.43 -19.45	27.32 0.65 -16.67	26.54 1.10 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.65 0.92 -11.63	23.86 0.68 -14.31	26.20 0.56 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.91 0.72 -23.91	34.16 0.89 -21.19	32.43 1.01 -16.61	32.11 1.32 -11.46	29.99 1.00 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87
ARTHUR_KILL_COGEN 323718	22.26 0.46 -14.56	20.30 0.31 -14.92	18.89 0.30 -13.48	18.77 0.25 -14.14	19.40 0.29 -14.00	21.80 0.26 -16.43	26.81 0.38 -19.45	27.25 0.58 -16.67	26.41 0.98 -10.61	23.68 0.80 -12.04	21.98 0.86 -9.76	23.59 0.87 -11.62	23.82 0.65 -14.30	26.17 0.53 -18.13	26.46 0.52 -18.49	28.41 0.51 -20.82	31.49 0.68 -21.46	33.88 0.70 -23.91	34.14 0.88 -21.18	32.41 0.99 -16.61	32.06 1.28 -11.46	30.03 1.04 -13.54	24.05 1.06 -8.71	21.33 0.59 -12.87
ASHOKAN____ 23654	23.36 0.07 -16.04	21.56 0.05 -16.44	20.00 0.03 -14.85	19.99 0.03 -15.59	20.57 0.03 -15.43	23.25 0.03 -18.11	28.37 -0.05 -21.44	28.36 -0.01 -18.37	26.50 -0.03 -11.71	24.11 -0.01 -13.28	22.14 0.01 -10.77	23.78 0.00 -12.68	24.52 0.02 -15.63	27.31 0.03 -19.77	27.54 0.04 -20.05	29.59 0.08 -22.43	32.53 0.11 -23.07	35.74 0.14 -26.33	35.69 0.25 -23.35	33.42 0.30 -18.31	32.35 0.39 -12.64	30.67 0.29 -14.93	24.02 0.14 -9.60	22.23 0.18 -14.18

ASTORIA_EAST_ENERGY_CC1 323581	22.26 0.45 -14.56	20.32 0.33 -14.92	18.91 0.32 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.81 0.27 -16.43	26.80 0.38 -19.45	27.26 0.60 -16.66	26.46 1.02 -10.61	23.72 0.83 -12.04	22.01 0.90 -9.76	23.61 0.89 -11.62	23.85 0.67 -14.30	26.18 0.55 -18.13	26.48 0.54 -18.49	28.41 0.51 -20.82	31.49 0.68 -21.46	33.88 0.70 -23.91	34.13 0.87 -21.18	32.41 0.99 -16.61	32.06 1.28 -11.46	29.96 0.97 -13.53	23.98 0.98 -8.71	21.34 0.60 -12.87
ASTORIA_EAST_ENERGY_CC2 323582	22.26 0.45 -14.56	20.32 0.33 -14.92	18.91 0.32 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.81 0.27 -16.43	26.80 0.38 -19.45	27.26 0.60 -16.66	26.46 1.02 -10.61	23.72 0.83 -12.04	22.01 0.90 -9.76	23.61 0.89 -11.62	23.85 0.67 -14.30	26.18 0.55 -18.13	26.48 0.54 -18.49	28.41 0.51 -20.82	31.49 0.68 -21.46	33.88 0.70 -23.91	34.13 0.87 -21.18	32.41 0.99 -16.61	32.06 1.28 -11.46	29.96 0.97 -13.53	23.98 0.98 -8.71	21.34 0.60 -12.87
ASTORIA_GT2_1 24094	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.82 0.27 -16.43	26.81 0.38 -19.45	27.28 0.61 -16.67	26.48 1.04 -10.62	23.72 0.83 -12.05	22.03 0.91 -9.77	23.61 0.88 -11.63	23.87 0.68 -14.31	26.20 0.56 -18.14	26.50 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.15 0.88 -21.19	32.43 1.01 -16.61	32.07 1.28 -11.46	29.96 0.97 -13.54	23.99 1.00 -8.71	21.34 0.61 -12.87
ASTORIA_GT2_2 24095	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.82 0.27 -16.43	26.81 0.38 -19.45	27.28 0.61 -16.67	26.48 1.04 -10.62	23.72 0.83 -12.05	22.03 0.91 -9.77	23.61 0.88 -11.63	23.87 0.68 -14.31	26.20 0.56 -18.14	26.50 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.15 0.88 -21.19	32.43 1.01 -16.61	32.07 1.28 -11.46	29.96 0.97 -13.54	23.99 1.00 -8.71	21.34 0.61 -12.87
ASTORIA_GT2_3 24096	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.82 0.27 -16.43	26.81 0.38 -19.45	27.28 0.61 -16.67	26.48 1.04 -10.62	23.72 0.83 -12.05	22.03 0.91 -9.77	23.61 0.88 -11.63	23.87 0.68 -14.31	26.20 0.56 -18.14	26.50 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.15 0.88 -21.19	32.43 1.01 -16.61	32.07 1.28 -11.46	29.96 0.97 -13.54	23.99 1.00 -8.71	21.34 0.61 -12.87
ASTORIA_GT2_4 24097	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.82 0.27 -16.43	26.81 0.38 -19.45	27.28 0.61 -16.67	26.48 1.04 -10.62	23.72 0.83 -12.05	22.03 0.91 -9.77	23.61 0.88 -11.63	23.87 0.68 -14.31	26.20 0.56 -18.14	26.50 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.15 0.88 -21.19	32.43 1.01 -16.61	32.07 1.28 -11.46	29.96 0.97 -13.54	23.99 1.00 -8.71	21.34 0.61 -12.87
ASTORIA_GT3_1 24098	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.82 0.27 -16.43	26.81 0.38 -19.45	27.28 0.61 -16.67	26.48 1.04 -10.62	23.72 0.83 -12.05	22.03 0.91 -9.77	23.61 0.88 -11.63	23.87 0.68 -14.31	26.20 0.56 -18.14	26.50 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.15 0.88 -21.19	32.43 1.01 -16.61	32.07 1.28			

ASTORIA_GT_10 24110	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.65 0.92 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.54 0.72 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
ASTORIA_GT_11 24225	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.65 0.92 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.54 0.72 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
ASTORIA_GT_12 24226	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.54 0.72 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
ASTORIA_GT_13 24227	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.54 0.72 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
ASTORIA_GT_5 24106	22.27 0.46 -14.56	20.33 0.34 -14.92	18.92 0.33 -13.48	18.79 0.27 -14.14	19.42 0.31 -14.00	21.82 0.28 -16.43	26.82 0.40 -19.45	27.28 0.62 -16.66	26.49 1.05 -10.61	23.74 0.86 -12.04	22.05 0.93 -9.76	23.64 0.92 -11.62	23.87 0.70 -14.30	26.20 0.57 -18.13	26.50 0.56 -18.49	28.43 0.52 -20.82	31.52 0.71 -21.46	33.91 0.73 -23.91	34.16 0.91 -21.18	32.45 1.04 -16.61	32.10 1.32 -11.46	29.99 1.00 -13.53	24.02 1.03 -8.71	21.35 0.61 -12.87
ASTORIA_GT_7 24107	22.27 0.46 -14.56	20.33 0.34 -14.92	18.92 0.33 -13.48	18.79 0.27 -14.14	19.42 0.31 -14.00	21.82 0.28 -16.43	26.82 0.40 -19.45	27.28 0.62 -16.66	26.49 1.05 -10.61	23.74 0.86 -12.04	22.05 0.93 -9.76	23.64 0.92 -11.62	23.87 0.70 -14.30	26.20 0.57 -18.13	26.50 0.56 -18.49	28.43 0.52 -20.82	31.52 0.71 -21.46	33.91 0.73 -23.91	34.16 0.91 -21.18	32.45 1.04 -16.61	32.10 1.32 -11.46	29.99 1.00 -13.53	24.02 1.03 -8.71	21.35 0.61 -12.87
ASTORIA_GT_8 24108	22.27 0.46 -14.56	20.33 0.34 -14.92	18.92 0.33 -13.48	18.79 0.27 -14.14	19.42 0.31 -14.00	21.82 0.28 -16.43	26.82 0.40 -19.45	27.29 0.62 -16.67	26.51 1.07 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.92 0.73 -23.91	34.17 0.91 -21.19	32.46 1.04 -16.61	32.11 1.31 -11.46	29.99 1.00 -13.54	24.02 1.03 -8.71	21.35 0.61 -12.87
ASTORIA___2 24149	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.81 0.27 -16.43	26.80 0.38 -19.45	27.27 0.61 -16.66	26.47 1.04 -10.61	23.72 0.83 -12.04	22.03 0.91 -9.76	23.62 0.90 -11.62	23.86 0.68 -14.30	26.19 0.56 -18.13	26.49 0.54 -18.49	28.41 0.51 -20.82	31.50 0.69 -21.46	33.89 0.71 -23.91	34.14 0.88 -21.18	32.42 1.01 -16.61	32.06 1.28 -11.46	29.96 0.97 -13.53	23.99 1.00 -8.71	21.35 0.61 -12.87
ASTORIA___3 23516	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.54 0.72 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
ASTORIA___4 23517	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.65 0.92 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.54 0.72 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
ASTORIA___5 23518	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.54 0.72 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
AST_ENERGY_2_CC3 323677	22.25 0.44 -14.56	20.29 0.30 -14.92	18.89 0.30 -13.48	18.77 0.26 -14.14	19.40 0.29 -14.00	21.84 0.29 -16.43	26.85 0.43 -19.45	27.31 0.64 -16.67	26.51 1.07 -10.62	23.73 0.85 -12.05	22.04 0.92 -9.77	23.64 0.91 -11.63	23.86 0.68 -14.31	26.20 0.56 -18.14	26.49 0.54 -18.50	28.43 0.52 -20.83	31.52 0.70 -21.47	33.90 0.71 -23.91	34.16 0.89 -21.19	32.45 1.02 -16.61	32.11 1.32 -11.46	30.01 1.02 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
AST_ENERGY_2_CC4 323678	22.25 0.44 -14.56	20.29 0.30 -14.92	18.89 0.30 -13.48	18.77 0.26 -14.14	19.40 0.29 -14.00	21.84 0.29 -16.43	26.85 0.43 -19.45	27.31 0.64 -16.67	26.51 1.07 -10.62	23.73 0.85 -12.05	22.04 0.92 -9.77	23.64 0.91 -11.63	23.86 0.68 -14.31	26.20 0.56 -18.14	26.49 0.54 -18.50	28.43 0.52 -20.83	31.52 0.70 -21.47	33.90 0.71 -23.91	34.16 0.89 -21.19	32.45 1.02 -16.61	32.11 1.32 -11.46	30.01 1.02 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
ATHENS_STG_1 23668	23.90 0.29 -16.36	22.04 0.20 -16.76	20.47 0.20 -15.15	20.44 0.17 -15.90	21.05 0.20 -15.74	23.78 0.20 -18.47	29.11 0.27 -21.86	29.12 0.39 -18.73	27.35 0.59 -11.94	24.83 0.44 -13.54	22.81 0.48 -10.98	24.53 0.47 -12.96	25.20 0.36 -15.97	28.02 0.31 -20.21	28.27 0.30 -20.52	30.36 0.28 -22.99	33.39 0.38 -23.66	36.50 0.37 -26.86	36.37 0.48 -23.81	34.08 0.59 -18.67	32.97 0.75 -12.89	31.27 0.60 -15.22	24.64 0.57 -9.79	22.66 0.32 -14.46
ATHENS_STG_2 23670	23.90 0.29 -16.36	22.04 0.20 -16.76	20.47 0.20 -15.15	20.44 0.17 -15.90	21.05 0.20 -15.74	23.78 0.20 -18.47	29.11 0.27 -21.86	29.12 0.39 -18.73	27.35 0.59 -11.94	24.83 0.44 -13.54	22.81 0.48 -10.98	24.53 0.47 -12.96	25.20 0.36 -15.97	28.02 0.31 -20.21	28.27 0.30 -20.52	30.36 0.28 -22.99	33.39 0.38 -23.66	36.50 0.37 -26.86	36.37 0.48 -23.81	34.08 0.59 -18.67	32.97 0.75 -12.89	31.27 0.60 -15.22	24.64 0.57 -9.79	22.66 0.32 -14.46

ATHENS_STG_3 23677	23.90 0.29 -16.36	22.04 0.20 -16.76	20.47 0.20 -15.15	20.44 0.17 -15.90	21.05 0.20 -15.74	23.78 0.20 -18.47	29.11 0.27 -21.86	29.12 0.39 -18.73	27.35 0.59 -11.94	24.83 0.44 -13.54	22.81 0.48 -10.98	24.53 0.47 -12.96	25.20 0.36 -15.97	28.02 0.31 -20.21	28.27 0.30 -20.52	30.36 0.28 -22.99	33.39 0.38 -23.66	36.50 0.37 -26.86	36.37 0.48 -23.81	34.08 0.59 -18.67	32.97 0.75 -12.89	31.27 0.60 -15.22	24.64 0.57 -9.79	22.66 0.32 -14.46
AUBURN____LFGE 323710	9.36 0.11 -2.00	7.16 0.04 -2.05	7.01 0.05 -1.85	6.35 0.03 -1.94	7.07 0.04 -1.92	7.43 0.06 -2.26	9.80 0.15 -2.67	12.49 0.20 -2.29	16.49 0.21 -1.46	12.64 0.14 -1.65	12.88 0.18 -1.34	12.79 0.11 -1.58	10.98 0.16 -1.95	10.12 0.16 -2.46	10.08 0.13 -2.50	9.99 0.11 -2.79	12.38 0.16 -2.87	12.68 0.13 -3.28	15.14 0.16 -2.91	17.28 0.19 -2.28	21.23 0.33 -1.57	17.55 0.25 -1.86	15.66 0.19 -1.20	9.75 0.11 -1.77
BABYLON_RES_REC 323704	27.75 0.59 -19.90	23.77 0.41 -18.28	21.31 0.41 -15.78	21.06 0.35 -16.34	23.73 0.40 -18.22	26.17 0.40 -20.66	31.64 0.61 -24.05	30.63 0.90 -19.73	28.94 1.39 -12.72	24.65 1.05 -12.76	27.45 1.08 -15.02	29.22 1.04 -17.08	29.26 0.81 -19.58	29.19 0.66 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.84 0.76 -25.73	41.58 0.78 -31.53	42.44 1.01 -29.34	42.20 1.21 -26.17	46.98 1.49 -26.17	35.30 1.25 -18.60	31.61 1.30 -16.03	29.71 0.68 -21.15
BABYLON__69_KV_BK2 356345	27.80 0.65 -19.90	23.82 0.45 -18.30	21.36 0.45 -15.79	21.11 0.38 -16.35	23.79 0.44 -18.24	26.24 0.45 -20.67	31.69 0.67 -24.05	30.71 0.98 -19.73	29.04 1.50 -12.72	24.74 1.14 -12.76	27.53 1.16 -15.02	29.22 1.04 -17.08	29.32 0.87 -19.58	29.25 0.71 -21.03	30.18 0.68 -22.05	32.01 0.64 -24.29	35.98 0.90 -25.73	41.72 0.93 -31.53	42.64 1.22 -29.34	42.45 1.47 -26.17	47.37 1.87 -26.17	35.55 1.50 -18.60	31.74 1.43 -16.03	29.77 0.75 -21.15
BARON_WINDS____WT_PWR 323822	10.91 0.17 -3.48	8.74 0.10 -3.57	8.46 0.12 -3.22	7.84 0.08 -3.38	8.54 0.09 -3.35	9.14 0.09 -3.93	11.72 0.10 -4.65	14.01 0.02 -3.99	9.82 -0.18 4.83	13.59 -0.13 -2.88	13.56 -0.12 -2.33	13.73 -0.11 -2.74	12.19 -0.05 -3.38	11.77 -0.01 -4.27	11.75 -0.03 -4.33	11.89 -0.04 -4.85	14.31 -0.02 -4.98	14.88 -0.07 -5.69	17.06 -0.06 -5.04	18.71 -0.06 -3.96	21.93 -0.13 -2.73	18.57 -0.11 -3.22	16.27 -0.10 -2.08	11.09 0.14 -3.08
BARRETT_IC_1 23704	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_10 23701	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_11 23702	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_12 23703	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_2 23705	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_3 23706	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_4 23707	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_5 23708	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_6 23709	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_7 23710	27.70 0.55 -19.90	23.80 0.39 -18.34	21.31 0.38 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.24 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.08 0.90 -17.08	29.17 0.72 -19.58	29.13 0.59 -21.03	30.07 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.92 1.43 -26.17	35.16 1.11 -18.60	31.50 1.19 -16.03	29.68 0.65 -21.15

BARRETT_IC_8 23711	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT_IC_9 23700	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT___1 23545	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BARRETT___2 23546	27.70 0.55 -19.90	23.80 0.39 -18.34	21.32 0.39 -15.81	21.08 0.33 -16.37	23.77 0.38 -18.28	26.22 0.38 -20.72	31.53 0.51 -24.05	30.49 0.76 -19.73	28.79 1.25 -12.72	24.57 0.98 -12.76	27.35 0.98 -15.02	29.11 0.93 -17.08	29.16 0.71 -19.58	29.13 0.59 -21.03	30.06 0.57 -22.05	31.89 0.52 -24.29	35.81 0.73 -25.73	41.54 0.74 -31.53	42.36 0.94 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.49 1.18 -16.03	29.68 0.65 -21.15
BATAVIA___115KV_TB1 55881	9.70 0.03 -2.42	7.57 0.01 -2.48	7.43 0.07 -2.24	6.77 0.04 -2.35	7.47 0.04 -2.33	7.88 0.03 -2.74	10.15 -0.06 -3.24	12.43 -0.34 -2.77	15.13 -0.46 -0.77	12.24 -0.60 -2.00	12.39 -0.59 -1.63	12.49 -0.52 -1.91	10.85 -0.37 -2.36	10.23 -0.26 -2.98	10.18 -0.30 -3.02	10.17 -0.29 -3.38	12.45 -0.38 -3.48	12.73 -0.51 -3.97	15.05 -0.56 -3.52	17.00 -0.56 -2.75	20.32 -0.91 -1.90	17.03 -0.66 -2.24	15.20 -0.53 -1.44	10.05 0.04 -2.13
BAYONEEC___CTG1 323682	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG10 323750	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG2 323683	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG3 323684	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG4 323685	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG5 323686	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG6 323687	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG7 323688	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG8 323689	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BAYONEEC___CTG9 323749	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87

BEACON___LESR 323632	25.58 0.33 -18.00	23.74 0.22 -18.45	22.01 0.22 -16.67	22.05 0.19 -17.49	22.65 0.22 -17.32	25.66 0.22 -20.33	31.32 0.29 -24.06	31.00 0.38 -20.61	28.53 0.58 -13.14	26.15 0.41 -14.90	23.88 0.43 -12.09	25.65 0.43 -14.12	26.65 0.36 -17.42	29.84 0.33 -22.01	29.99 0.34 -22.20	32.12 0.32 -24.72	35.14 0.41 -25.38	39.18 0.37 -29.54	38.78 0.48 -26.22	35.95 0.58 -20.56	34.27 0.75 -14.19	32.84 0.63 -16.76	25.60 0.54 -10.77	24.08 0.30 -15.91
BEAVER RIVER___HYD 24048	7.99 0.07 -0.67	5.71 -0.05 -0.69	5.70 -0.05 -0.62	4.98 -0.05 -0.66	5.71 -0.05 -0.65	5.89 0.02 -0.76	7.92 0.05 -0.90	10.83 0.05 -0.77	15.39 0.07 -0.49	11.37 -0.03 -0.56	11.64 -0.17 -0.45	11.48 -0.16 -0.53	9.40 -0.12 -0.66	8.19 -0.14 -0.83	8.15 -0.15 -0.84	7.87 -0.15 -0.94	10.15 -0.17 -0.97	10.24 -0.14 -1.11	12.94 -0.12 -0.98	15.51 -0.07 -0.77	20.00 0.14 -0.53	16.14 0.06 -0.63	14.73 0.04 -0.40	8.55 0.08 -0.60
BEEBEE_GT_13 23619	9.33 0.12 -1.97	7.14 0.06 -2.02	7.03 0.09 -1.82	6.35 0.07 -1.91	7.07 0.07 -1.89	7.42 0.08 -2.22	9.67 0.07 -2.63	12.22 -0.03 -2.25	15.80 -0.28 -1.26	12.31 -0.16 -1.63	12.54 -0.14 -1.32	12.55 -0.10 -1.55	10.74 -0.04 -1.91	9.92 -0.01 -2.42	9.86 -0.05 -2.46	9.78 -0.05 -2.75	12.10 -0.07 -2.83	12.34 -0.16 -3.23	14.78 -0.16 -2.86	16.86 -0.19 -2.24	20.55 -0.33 -1.55	17.06 -0.22 -1.83	15.27 -0.19 -1.18	9.70 0.09 -1.74
BENSHRST_27_KV_BENSHRST_1 355998	22.29 0.49 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.79 0.27 -14.14	19.42 0.31 -14.00	21.84 0.29 -16.43	26.87 0.45 -19.45	27.36 0.69 -16.67	26.58 1.14 -10.62	23.82 0.93 -12.05	22.12 1.00 -9.77	23.71 0.98 -11.63	23.94 0.76 -14.31	26.27 0.62 -18.14	26.56 0.61 -18.50	28.49 0.58 -20.83	31.62 0.79 -21.47	34.00 0.82 -23.91	34.28 1.01 -21.19	32.58 1.16 -16.61	32.28 1.49 -11.46	30.15 1.16 -13.54	24.13 1.14 -8.71	21.36 0.62 -12.87
BETHLEHEM___GRP 23843	25.48 0.20 -18.04	23.69 0.13 -18.48	21.95 0.14 -16.70	22.02 0.12 -17.52	22.60 0.14 -17.35	25.61 0.14 -20.36	31.25 0.17 -24.10	30.87 0.21 -20.66	28.32 0.33 -13.17	26.02 0.24 -14.94	23.72 0.25 -12.11	25.51 0.26 -14.15	26.55 0.22 -17.46	29.75 0.19 -22.06	29.91 0.19 -22.27	32.05 0.18 -24.79	35.03 0.22 -25.46	39.07 0.20 -29.60	38.63 0.28 -26.27	35.75 0.34 -20.60	33.99 0.44 -14.22	32.60 0.36 -16.79	25.39 0.31 -10.80	24.00 0.17 -15.95
BETHLEHEM___GS1 323560	25.48 0.20 -18.04	23.69 0.14 -18.48	21.95 0.14 -16.70	22.02 0.12 -17.52	22.60 0.14 -17.35	25.61 0.14 -20.36	31.25 0.17 -24.10	30.86 0.21 -20.65	28.31 0.33 -13.16	26.01 0.24 -14.93	23.72 0.25 -12.11	25.52 0.27 -14.15	26.55 0.22 -17.46	29.75 0.19 -22.06	29.91 0.19 -22.26	32.04 0.18 -24.79	35.03 0.22 -25.45	39.07 0.20 -29.60	38.63 0.28 -26.27	35.75 0.34 -20.60	33.99 0.44 -14.22	32.60 0.36 -16.79	25.39 0.31 -10.79	23.99 0.17 -15.94
BETHLEHEM___GS2 323561	25.48 0.20 -18.04	23.69 0.14 -18.48	21.95 0.14 -16.70	22.02 0.12 -17.52	22.60 0.14 -17.35	25.61 0.14 -20.36	31.25 0.17 -24.10	30.86 0.21 -20.65	28.31 0.33 -13.16	26.01 0.24 -14.93	23.72 0.25 -12.11	25.52 0.27 -14.15	26.55 0.22 -17.46	29.75 0.19 -22.06	29.91 0.19 -22.26	32.04 0.18 -24.79	35.03 0.22 -25.45	39.07 0.20 -29.60	38.63 0.28 -26.27	35.75 0.34 -20.60	33.99 0.44 -14.22	32.60 0.36 -16.79	25.39 0.31 -10.79	23.99 0.17 -15.94
BETHLEHEM___GS3 323562	25.48 0.20 -18.04	23.69 0.14 -18.48	21.95 0.14 -16.70	22.02 0.12 -17.52	22.60 0.14 -17.35	25.61 0.14 -20.36	31.25 0.17 -24.10	30.86 0.21 -20.65	28.31 0.33 -13.16	26.01 0.24 -14.93	23.72 0.25 -12.11	25.52 0.27 -14.15	26.55 0.22 -17.46	29.75 0.19 -22.06	29.91 0.19 -22.26	32.04 0.18 -24.79	35.03 0.22 -25.45	39.07 0.20 -29.60	38.63 0.28 -26.27	35.75 0.34 -20.60	33.99 0.44 -14.22	32.60 0.36 -16.79	25.39 0.31 -10.79	23.99 0.17 -15.94
BETHLEHEM___STEEL 23779	9.98 0.04 -2.68	7.85 0.03 -2.75	7.67 0.07 -2.48	7.03 0.05 -2.60	7.73 0.04 -2.58	8.17 0.04 -3.03	10.51 -0.03 -3.57	12.79 -0.27 -3.06	14.72 -0.68 -0.58	12.58 -0.47 -2.21	12.67 -0.48 -1.79	12.82 -0.39 -2.11	11.22 -0.25 -2.60	10.63 -0.17 -3.29	10.58 -0.21 -3.34	10.61 -0.21 -3.74	12.92 -0.27 -3.84	13.28 -0.39 -4.40	15.54 -0.45 -3.90	17.34 -0.53 -3.06	20.57 -0.87 -2.11	17.26 -0.68 -2.49	15.34 -0.54 -1.60	10.24 0.00 -2.37
BETHLHEM_115KV_TB1 79974	25.49 0.21 -18.03	23.69 0.14 -18.47	21.95 0.14 -16.69	22.01 0.12 -17.52	22.60 0.15 -17.35	25.61 0.14 -20.36	31.26 0.19 -24.10	30.92 0.32 -20.60	28.42 0.47 -13.13	26.08 0.35 -14.89	23.80 0.36 -12.08	25.61 0.36 -14.15	26.61 0.29 -17.45	29.82 0.26 -22.06	30.00 0.25 -22.31	32.20 0.23 -24.89	35.24 0.32 -25.57	39.09 0.31 -29.52	38.68 0.41 -26.19	35.85 0.50 -20.54	34.16 0.66 -14.17	32.71 0.53 -16.74	25.53 0.49 -10.76	24.04 0.27 -15.90
BETHPAGE_CC_5 323564	27.74 0.59 -19.90	23.72 0.41 -18.24	21.27 0.40 -15.75	21.03 0.35 -16.31	23.67 0.40 -18.16	26.11 0.39 -20.60	31.61 0.59 -24.05	30.59 0.86 -19.73	28.89 1.35 -12.72	24.63 1.03 -12.76	27.43 1.06 -15.02	29.21 1.03 -17.08	29.25 0.80 -19.58	29.19 0.66 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.89 0.80 -25.73	41.62 0.82 -31.53	42.49 1.06 -29.34	42.24 1.26 -26.17	47.12 1.62 -26.17	35.33 1.28 -18.60	31.55 1.24 -16.03	29.70 0.68 -21.15
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	9.99 0.03 -2.71	7.86 0.01 -2.78	7.69 0.06 -2.51	7.04 0.03 -2.64	7.74 0.03 -2.61	8.20 0.03 -3.06	10.54 -0.06 -3.62	12.81 -0.29 -3.10	14.81 -0.71 -0.70	12.59 -0.49 -2.24	12.67 -0.50 -1.82	12.83 -0.41 -2.14	11.24 -0.27 -2.63	10.66 -0.18 -3.33	10.61 -0.22 -3.38	10.65 -0.22 -3.78	12.95 -0.29 -3.89	13.31 -0.41 -4.45	15.57 -0.46 -3.95	17.34 -0.56 -3.09	20.58 -0.89 -2.14	17.28 -0.70 -2.52	15.35 -0.56 -1.62	10.26 -0.02 -2.40
BINGHAMTON___COGEN 23790	12.16 0.20 -4.71	10.00 0.11 -4.82	9.60 0.12 -4.36	9.05 0.10 -4.57	9.75 0.11 -4.53	10.55 0.12 -5.32	13.43 0.16 -6.29	15.57 0.18 -5.39	18.69 0.19 -3.68	14.86 0.12 -3.90	14.65 0.14 -3.16	14.99 0.17 -3.72	13.60 0.14 -4.59	13.44 0.14 -5.80	13.46 0.12 -5.88	13.76 0.10 -6.58	16.28 0.16 -6.77	17.13 0.13 -7.73	19.10 0.17 -6.85	20.39 0.21 -5.37	23.31 0.27 -3.71	20.03 0.20 -4.38	17.27 0.17 -2.82	12.22 0.19 -4.16
BIXINCNT_115KV_LOAD 355685	10.15 0.04 -2.86	8.01 0.01 -2.93	7.80 0.04 -2.65	7.15 0.00 -2.78	7.83 -0.03 -2.75	8.32 -0.03 -3.23	10.67 -0.13 -3.82	12.91 -0.36 -3.27	15.34 -0.77 -1.29	12.67 -0.53 -2.36	12.75 -0.52 -1.92	12.94 -0.42 -2.26	11.36 -0.29 -2.78	10.81 -0.22 -3.52	10.76 -0.26 -3.57	10.80 -0.28 -4.00	13.15 -0.31 -4.11	13.54 -0.42 -4.69	15.77 -0.47 -4.16	17.49 -0.58 -3.26	20.67 -0.91 -2.25	17.38 -0.73 -2.66	15.41 -0.59 -1.71	10.35 -0.05 -2.53
BLACK RIVER___HYD 24047	8.32 0.14 -0.93	6.02 0.00 -0.95	5.98 0.01 -0.86	5.27 0.00 -0.90	6.00 0.00 -0.89	6.22 0.06 -1.05	8.32 0.10 -1.24	11.18 0.12 -1.06	15.63 0.13 -0.68	11.61 0.00 -0.77	11.89 -0.09 -0.62	11.76 -0.08 -0.73	9.70 -0.07 -0.90	8.57 -0.08 -1.14	8.53 -0.08 -1.16	8.28 -0.09 -1.30	10.59 -0.09 -1.33	10.74 -0.06 -1.52	13.43 0.00 -1.35	15.94 0.07 -1.06	20.39 0.33 -0.73	16.54 0.23 -0.86	15.01 0.17 -0.55	8.83 0.14 -0.82

BLACKRVR_115KV_TB2 79977	8.32 0.15 -0.93	6.02 -0.01 -0.95	5.98 0.01 -0.86	5.27 0.00 -0.90	6.00 0.00 -0.89	6.22 0.06 -1.05	8.32 0.10 -1.24	11.18 0.12 -1.06	15.63 0.13 -0.68	11.61 0.00 -0.77	11.89 -0.09 -0.62	11.78 -0.06 -0.73	9.70 -0.07 -0.90	8.57 -0.08 -1.14	8.53 -0.08 -1.16	8.28 -0.09 -1.29	10.58 -0.09 -1.33	10.73 -0.06 -1.52	13.43 0.00 -1.35	15.94 0.07 -1.06	20.39 0.33 -0.73	16.54 0.23 -0.86	15.01 0.17 -0.55	8.83 0.14 -0.82
BLISS_WT_PWR 323608	10.15 0.04 -2.86	8.03 0.03 -2.93	7.81 0.04 -2.65	7.13 -0.02 -2.78	7.81 -0.05 -2.75	8.29 -0.06 -3.23	10.64 -0.15 -3.82	12.88 -0.39 -3.27	15.27 -0.84 -1.29	12.65 -0.55 -2.36	12.74 -0.53 -1.92	12.87 -0.49 -2.26	11.33 -0.33 -2.78	10.79 -0.23 -3.52	10.75 -0.28 -3.57	10.78 -0.30 -3.99	13.13 -0.33 -4.11	13.52 -0.44 -4.69	15.74 -0.50 -4.16	17.48 -0.59 -3.26	20.63 -0.95 -2.25	17.35 -0.76 -2.66	15.38 -0.61 -1.71	10.33 -0.07 -2.53
BLUE_CIRC_CHEM_DRP 24182	25.25 0.28 -17.73	23.43 0.19 -18.16	21.72 0.19 -16.41	21.76 0.17 -17.22	22.36 0.19 -17.05	25.32 0.19 -20.01	30.91 0.24 -23.69	30.63 0.33 -20.30	28.24 0.49 -12.93	25.86 0.35 -14.67	23.61 0.35 -11.90	25.40 0.36 -13.94	26.36 0.30 -17.19	29.50 0.26 -21.73	29.69 0.27 -21.97	31.84 0.25 -24.50	34.87 0.34 -25.18	38.67 0.32 -29.08	38.30 0.42 -25.80	35.56 0.52 -20.23	33.97 0.68 -13.96	32.50 0.56 -16.49	25.39 0.50 -10.61	23.82 0.28 -15.67
BOC_GAS_DRP 24189	25.48 0.23 -18.00	23.67 0.16 -18.44	21.94 0.16 -16.66	22.00 0.14 -17.48	22.58 0.16 -17.31	25.59 0.16 -20.32	31.23 0.21 -24.05	30.89 0.29 -20.60	28.39 0.44 -13.13	26.06 0.33 -14.89	23.77 0.34 -12.08	25.59 0.33 -14.15	26.60 0.27 -17.45	29.80 0.23 -22.06	29.99 0.23 -22.31	32.18 0.22 -24.89	35.21 0.29 -25.57	39.06 0.28 -29.52	38.63 0.36 -26.19	35.81 0.46 -20.54	34.08 0.58 -14.17	32.67 0.48 -16.74	25.49 0.44 -10.76	24.02 0.24 -15.90
BOONVILLE_115KV_TB1 79983	8.01 0.17 -0.59	5.72 0.04 -0.60	5.71 0.05 -0.55	4.98 0.03 -0.57	5.72 0.04 -0.57	5.86 0.09 -0.67	7.88 0.12 -0.79	10.84 0.16 -0.67	15.49 0.24 -0.43	11.44 0.11 -0.49	11.81 0.06 -0.40	11.68 0.11 -0.47	9.50 0.05 -0.57	8.27 0.04 -0.73	8.22 0.04 -0.74	7.92 0.02 -0.82	10.24 0.05 -0.85	10.29 0.06 -0.97	13.04 0.11 -0.86	15.64 0.16 -0.67	20.16 0.37 -0.46	16.24 0.25 -0.55	14.83 0.20 -0.35	8.57 0.17 -0.52
BORALEX_4TH_BRANCH 23824	25.68 0.42 -18.00	23.81 0.29 -18.45	22.09 0.31 -16.67	22.12 0.26 -17.49	22.72 0.30 -17.32	25.75 0.31 -20.33	31.44 0.40 -24.06	31.15 0.53 -20.61	28.73 0.77 -13.14	26.26 0.52 -14.90	23.95 0.51 -12.09	25.59 0.51 -13.98	26.53 0.40 -17.26	29.62 0.34 -21.78	29.63 0.33 -21.85	31.57 0.31 -24.17	34.55 0.42 -24.78	39.19 0.42 -29.50	38.88 0.59 -26.21	36.15 0.78 -20.55	34.52 1.00 -14.18	33.00 0.80 -16.75	25.78 0.73 -10.77	24.19 0.41 -15.91
BOWLINE___1 23526	21.75 0.41 -14.10	19.80 0.28 -14.44	18.44 0.27 -13.05	18.30 0.23 -13.70	18.93 0.27 -13.56	21.30 0.27 -15.92	26.20 0.38 -18.84	26.71 0.57 -16.14	26.03 0.92 -10.29	23.22 0.72 -11.67	21.59 0.77 -9.46	23.12 0.76 -11.26	23.30 0.58 -13.86	25.54 0.47 -17.56	25.82 0.45 -17.91	27.67 0.42 -20.16	30.71 0.58 -20.78	33.02 0.59 -23.16	33.35 0.75 -20.52	31.77 0.87 -16.09	31.55 1.12 -11.10	29.43 0.86 -13.12	23.57 0.86 -8.43	20.81 0.47 -12.46
BOWLINE___2 23595	21.76 0.41 -14.10	19.80 0.28 -14.45	18.44 0.27 -13.05	18.30 0.23 -13.70	18.94 0.27 -13.56	21.30 0.27 -15.92	26.20 0.38 -18.84	26.71 0.57 -16.14	26.03 0.92 -10.29	23.23 0.72 -11.67	21.59 0.77 -9.46	23.12 0.76 -11.26	23.31 0.58 -13.86	25.53 0.47 -17.57	25.81 0.45 -17.91	27.66 0.42 -20.17	30.70 0.57 -20.78	33.01 0.57 -23.16	33.32 0.72 -20.52	31.75 0.84 -16.09	31.52 1.08 -11.11	29.41 0.85 -13.12	23.57 0.86 -8.44	20.81 0.47 -12.46
BRADY___115KV_TB2 356060	7.06 -0.19 0.00	4.95 -0.13 0.00	4.98 -0.14 0.00	4.26 -0.12 0.00	4.98 -0.12 0.00	4.99 -0.12 0.00	6.81 -0.16 0.00	9.80 -0.20 0.00	14.58 -0.24 0.00	10.64 -0.21 0.00	11.07 -0.28 0.00	10.81 -0.29 0.00	8.62 -0.25 0.00	7.26 -0.24 0.00	7.24 -0.22 0.00	6.89 -0.19 0.00	9.10 -0.25 0.00	9.07 -0.20 0.00	11.84 -0.24 0.00	14.54 -0.27 0.00	19.00 -0.33 0.00	15.23 -0.22 0.00	14.08 -0.20 0.00	7.71 -0.17 0.00
BRANSCOMB___SOLAR 323811	26.24 0.36 -18.63	24.41 0.25 -19.08	22.62 0.26 -17.24	22.68 0.21 -18.10	23.28 0.26 -17.92	26.40 0.26 -21.03	32.23 0.36 -24.89	31.81 0.48 -21.32	29.08 0.67 -13.59	26.72 0.47 -15.41	24.35 0.49 -12.50	26.19 0.50 -14.59	27.28 0.42 -18.00	30.63 0.39 -22.74	30.77 0.39 -22.93	32.96 0.37 -25.51	36.00 0.47 -26.19	40.28 0.46 -30.55	39.76 0.57 -27.11	36.78 0.71 -21.26	34.99 0.99 -14.67	33.57 0.79 -17.33	26.14 0.71 -11.14	24.72 0.39 -16.46
BRENTWOD_69_KV_W. BRTWOOD 56703	27.76 0.61 -19.90	23.84 0.43 -18.34	21.36 0.42 -15.82	21.11 0.36 -16.38	23.81 0.42 -18.29	26.26 0.42 -20.72	31.66 0.64 -24.05	30.66 0.93 -19.73	28.98 1.44 -12.72	24.68 1.08 -12.76	27.47 1.10 -15.02	29.18 1.00 -17.08	29.27 0.82 -19.58	29.20 0.67 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.92 0.84 -25.73	41.67 0.87 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.25 1.76 -26.17	35.45 1.41 -18.60	31.64 1.33 -16.03	29.72 0.70 -21.15
BRISTLHL_115KV_TB1 79998	8.68 -0.01 -1.44	6.50 -0.05 -1.47	6.41 -0.04 -1.33	5.74 -0.03 -1.39	6.45 -0.04 -1.38	6.70 -0.03 -1.62	8.85 -0.04 -1.92	11.56 -0.09 -1.64	15.66 -0.21 -1.05	11.87 -0.16 -1.19	12.18 -0.14 -0.96	12.13 -0.10 -1.13	10.17 -0.10 -1.40	9.20 -0.07 -1.77	9.16 -0.08 -1.79	9.00 -0.08 -2.01	11.30 -0.11 -2.06	11.50 -0.13 -2.36	14.00 -0.17 -2.09	16.24 -0.21 -1.64	20.23 -0.23 -1.13	16.60 -0.19 -1.34	14.94 -0.20 -0.86	9.09 -0.05 -1.27
BROOKHAVEN___DRP 24191	27.72 0.57 -19.90	23.83 0.41 -18.35	21.35 0.41 -15.82	21.11 0.35 -16.38	23.81 0.40 -18.30	26.26 0.41 -20.74	31.62 0.60 -24.05	30.60 0.87 -19.73	28.85 1.30 -12.72	24.59 0.99 -12.76	27.36 0.99 -15.02	29.07 0.89 -17.08	29.19 0.74 -19.58	29.12 0.59 -21.03	30.02 0.52 -22.05	31.84 0.47 -24.29	35.78 0.70 -25.73	41.54 0.74 -31.53	42.44 1.01 -29.34	42.23 1.24 -26.17	47.10 1.60 -26.17	35.35 1.30 -18.60	31.54 1.23 -16.03	29.66 0.64 -21.15
BROOKLYN_NAVY_YARD 23515	22.25 0.44 -14.56	20.29 0.30 -14.92	18.89 0.30 -13.48	18.77 0.25 -14.14	19.40 0.29 -14.00	21.84 0.29 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.06 0.93 -9.77	23.65 0.92 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.46 1.04 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
BROOKLYN___ARMY_DRP 323595	22.27 0.46 -14.56	20.31 0.32 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.66 0.93 -11.63	23.91 0.73 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.47 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.21 1.41 -11.46	30.09 1.10 -13.54	24.08 1.09 -8.71	21.34 0.60 -12.87



BROOKVLE_69_KV_TB1 55790	27.71 0.56 -19.90	23.40 0.39 -17.94	21.04 0.38 -15.54	20.82 0.33 -16.11	23.27 0.38 -17.78	25.71 0.38 -20.22	31.58 0.56 -24.05	30.55 0.82 -19.73	28.85 1.30 -12.72	24.60 1.00 -12.76	27.43 1.06 -15.02	29.19 1.01 -17.08	29.26 0.81 -19.58	29.21 0.68 -21.03	30.16 0.66 -22.05	31.99 0.62 -24.29	35.90 0.81 -25.73	41.62 0.82 -31.53	42.47 1.05 -29.34	42.21 1.23 -26.17	47.08 1.59 -26.17	35.28 1.24 -18.60	31.54 1.23 -16.03	29.68 0.66 -21.15
BROOME_2_LFGE 323671	12.16 0.20 -4.71	10.01 0.12 -4.82	9.60 0.13 -4.36	9.05 0.10 -4.57	9.75 0.11 -4.53	10.55 0.12 -5.32	13.43 0.16 -6.29	15.57 0.18 -5.39	18.68 0.18 -3.68	14.86 0.12 -3.90	14.65 0.14 -3.16	14.97 0.14 -3.72	13.58 0.12 -4.59	13.44 0.14 -5.80	13.45 0.12 -5.88	13.76 0.10 -6.58	16.28 0.16 -6.77	17.13 0.13 -7.73	19.10 0.17 -6.85	20.39 0.21 -5.38	23.31 0.27 -3.71	20.03 0.20 -4.38	17.27 0.17 -2.82	12.22 0.19 -4.16
BROOME___LFGE 323600	12.16 0.20 -4.71	10.01 0.12 -4.82	9.60 0.13 -4.36	9.05 0.10 -4.57	9.75 0.11 -4.53	10.55 0.12 -5.32	13.43 0.16 -6.29	15.57 0.18 -5.39	18.68 0.18 -3.68	14.86 0.12 -3.90	14.65 0.14 -3.16	14.97 0.14 -3.72	13.58 0.12 -4.59	13.44 0.14 -5.80	13.45 0.12 -5.88	13.76 0.10 -6.58	16.28 0.16 -6.77	17.13 0.13 -7.73	19.10 0.17 -6.85	20.39 0.21 -5.38	23.31 0.27 -3.71	20.03 0.20 -4.38	17.27 0.17 -2.82	12.22 0.19 -4.16
BROWNFLS_115KV_TB_3_5 80003	7.64 -0.09 -0.48	5.45 -0.11 -0.49	5.44 -0.12 -0.44	4.73 -0.10 -0.46	5.45 -0.11 -0.46	5.58 -0.07 -0.54	7.53 -0.08 -0.64	10.45 -0.10 -0.55	15.05 -0.12 -0.35	11.09 -0.15 -0.40	11.40 -0.27 -0.32	11.21 -0.27 -0.38	9.11 -0.23 -0.47	7.85 -0.24 -0.59	7.80 -0.25 -0.59	7.51 -0.23 -0.66	9.73 -0.30 -0.68	9.79 -0.26 -0.78	12.46 -0.30 -0.69	15.02 -0.33 -0.54	19.45 -0.25 -0.37	15.73 -0.15 -0.44	14.44 -0.13 -0.28	8.23 -0.06 -0.42
BROWNSV1_27_KV_LOAD 356125	22.31 0.50 -14.56	20.33 0.34 -14.92	18.93 0.33 -13.48	18.80 0.28 -14.14	19.44 0.33 -14.00	21.87 0.33 -16.43	26.91 0.49 -19.45	27.41 0.74 -16.67	26.66 1.22 -10.62	23.84 0.95 -12.05	22.15 1.02 -9.77	23.73 1.00 -11.63	23.95 0.77 -14.31	26.28 0.64 -18.14	26.57 0.62 -18.50	28.50 0.59 -20.83	31.62 0.79 -21.47	33.99 0.81 -23.91	34.29 1.03 -21.19	32.61 1.18 -16.61	32.32 1.53 -11.46	30.18 1.19 -13.54	24.15 1.16 -8.71	21.36 0.62 -12.87
BURROWS___LYONSDAL 23803	8.00 0.15 -0.61	5.71 0.02 -0.62	5.70 0.03 -0.56	4.98 0.01 -0.59	5.71 0.02 -0.58	5.87 0.08 -0.68	7.89 0.10 -0.81	10.84 0.14 -0.69	15.47 0.21 -0.44	11.42 0.08 -0.50	11.76 0.00 -0.41	11.62 0.04 -0.48	9.47 0.01 -0.59	8.24 -0.01 -0.75	8.20 -0.01 -0.76	7.90 -0.02 -0.85	10.21 -0.01 -0.87	10.27 0.01 -0.99	13.01 0.05 -0.88	15.60 0.10 -0.69	20.13 0.33 -0.48	16.21 0.20 -0.56	14.80 0.16 -0.36	8.56 0.16 -0.53
CAITHNESS_CC_1 323624	27.71 0.56 -19.90	23.82 0.40 -18.35	21.35 0.41 -15.82	21.10 0.35 -16.38	23.80 0.39 -18.30	26.25 0.40 -20.74	31.61 0.59 -24.05	30.60 0.87 -19.73	28.85 1.30 -12.72	24.59 0.99 -12.76	27.36 0.99 -15.02	29.15 0.97 -17.08	29.19 0.74 -19.58	29.12 0.59 -21.03	30.02 0.52 -22.05	31.84 0.47 -24.29	35.79 0.71 -25.73	41.54 0.74 -31.53	42.42 1.00 -29.34	42.21 1.23 -26.17	47.08 1.59 -26.17	35.33 1.28 -18.60	31.52 1.21 -16.03	29.65 0.63 -21.15
CALPINE BETH_PAGE_GT4 24209	27.74 0.59 -19.90	23.67 0.41 -18.19	21.24 0.40 -15.72	21.00 0.35 -16.28	23.61 0.40 -18.10	26.04 0.39 -20.54	31.59 0.57 -24.05	30.57 0.84 -19.73	28.88 1.33 -12.72	24.62 1.02 -12.76	27.42 1.04 -15.02	29.16 0.98 -17.08	29.24 0.79 -19.58	29.19 0.65 -21.03	30.13 0.63 -22.05	31.94 0.57 -24.29	35.87 0.79 -25.73	41.60 0.81 -31.53	42.46 1.04 -29.34	42.21 1.23 -26.17	47.06 1.57 -26.17	35.28 1.24 -18.60	31.51 1.20 -16.03	29.69 0.67 -21.15
CALPINE_BETH_PAGE_GT_4 323586	27.74 0.59 -19.90	23.67 0.41 -18.19	21.24 0.40 -15.72	21.00 0.35 -16.28	23.61 0.40 -18.10	26.04 0.39 -20.54	31.59 0.57 -24.05	30.57 0.84 -19.73	28.88 1.33 -12.72	24.62 1.02 -12.76	27.42 1.04 -15.02	29.20 1.02 -17.08	29.24 0.79 -19.58	29.18 0.65 -21.03	30.13 0.63 -22.05	31.93 0.57 -24.29	35.87 0.79 -25.73	41.60 0.81 -31.53	42.46 1.04 -29.34	42.21 1.23 -26.17	47.06 1.56 -26.17	35.28 1.24 -18.60	31.51 1.20 -16.03	29.69 0.67 -21.15
CALPINE_BP_GT1 23823	27.74 0.59 -19.90	23.67 0.41 -18.19	21.24 0.40 -15.72	21.00 0.35 -16.28	23.61 0.40 -18.10	26.04 0.39 -20.54	31.59 0.57 -24.05	30.57 0.84 -19.73	28.88 1.33 -12.72	24.62 1.02 -12.76	27.42 1.04 -15.02	29.20 1.02 -17.08	29.24 0.79 -19.58	29.18 0.65 -21.03	30.13 0.63 -22.05	31.93 0.57 -24.29	35.87 0.79 -25.73	41.60 0.81 -31.53	42.46 1.04 -29.34	42.21 1.23 -26.17	47.06 1.56 -26.17	35.28 1.24 -18.60	31.51 1.20 -16.03	29.69 0.67 -21.15
CALSPAN___DRP 24200	9.98 0.04 -2.68	7.85 0.03 -2.75	7.67 0.07 -2.48	7.03 0.05 -2.60	7.73 0.04 -2.58	8.17 0.04 -3.03	10.51 -0.03 -3.57	12.79 -0.27 -3.06	14.72 -0.68 -0.58	12.58 -0.47 -2.21	12.67 -0.48 -1.79	12.82 -0.39 -2.11	11.22 -0.25 -2.60	10.63 -0.17 -3.29	10.58 -0.21 -3.34	10.61 -0.21 -3.74	12.92 -0.27 -3.84	13.28 -0.39 -4.40	15.54 -0.45 -3.90	17.34 -0.53 -3.06	20.57 -0.87 -2.11	17.26 -0.68 -2.49	15.34 -0.54 -1.60	10.24 0.00 -2.37
CALVERTON___SOLAR 323806	27.73 0.58 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.41 -18.30	26.27 0.42 -20.74	31.64 0.61 -24.05	30.62 0.89 -19.73	28.86 1.32 -12.72	24.61 1.01 -12.76	27.37 1.00 -15.02	29.15 0.97 -17.08	29.19 0.75 -19.58	29.13 0.59 -21.03	30.03 0.53 -22.05	31.84 0.47 -24.29	35.79 0.71 -25.73	41.55 0.75 -31.53	42.46 1.04 -29.34	42.27 1.29 -26.17	47.16 1.66 -26.17	35.39 1.34 -18.60	31.57 1.26 -16.03	29.67 0.65 -21.15
CANDIGU_WT_PWR 323617	10.91 0.17 -3.48	8.74 0.10 -3.57	8.46 0.12 -3.22	7.84 0.08 -3.38	8.54 0.09 -3.35	9.14 0.09 -3.93	11.72 0.10 -4.65	14.01 0.02 -3.99	9.82 -0.18 4.83	13.59 -0.13 -2.88	13.56 -0.12 -2.33	13.73 -0.11 -2.74	12.19 -0.05 -3.38	11.77 -0.01 -4.27	11.75 -0.03 -4.33	11.89 -0.04 -4.85	14.31 -0.02 -4.98	14.88 -0.07 -5.69	17.06 -0.06 -5.04	18.71 -0.06 -3.96	21.93 -0.13 -2.73	18.57 -0.11 -3.22	16.27 -0.10 -2.08	11.09 0.14 -3.08
CARR STREET_E_SYR 24060	8.84 0.03 -1.56	6.66 -0.01 -1.60	6.56 0.00 -1.44	5.88 0.00 -1.51	6.60 -0.01 -1.50	6.87 0.00 -1.76	9.06 0.00 -2.08	11.76 -0.03 -1.78	15.85 -0.10 -1.14	12.04 -0.09 -1.29	12.34 -0.06 -1.05	12.28 -0.06 -1.23	10.36 -0.03 -1.52	9.42 0.00 -1.92	9.38 -0.01 -1.95	9.24 -0.02 -2.18	11.56 -0.03 -2.24	11.77 -0.06 -2.56	14.26 -0.08 -2.27	16.47 -0.12 -1.78	20.44 -0.12 -1.23	16.79 -0.11 -1.45	15.09 -0.13 -0.93	9.25 0.00 -1.38
CARTHAGE___PAPER 23857	8.15 0.07 -0.83	5.88 -0.04 -0.85	5.84 -0.04 -0.77	5.14 -0.04 -0.81	5.86 -0.04 -0.80	6.07 0.03 -0.94	8.15 0.07 -1.11	11.02 0.07 -0.95	15.50 0.07 -0.61	11.50 -0.03 -0.69	11.75 -0.16 -0.56	11.61 -0.14 -0.66	9.55 -0.12 -0.81	8.39 -0.13 -1.02	8.35 -0.13 -1.04	8.10 -0.14 -1.16	10.39 -0.15 -1.19	10.52 -0.11 -1.36	13.21 -0.07 -1.21	15.74 -0.01 -0.95	20.18 0.19 -0.65	16.34 0.12 -0.77	14.88 0.10 -0.50	8.70 0.09 -0.73

CASSADAGA_WT_PWR 323784	10.18 0.08 -2.85	8.05 0.06 -2.92	7.83 0.08 -2.63	7.17 0.03 -2.76	7.87 0.03 -2.74	8.35 0.03 -3.21	10.76 -0.01 -3.80	13.08 -0.18 -3.26	15.61 -0.49 -1.27	12.97 -0.23 -2.35	13.05 -0.23 -1.92	13.08 -0.28 -2.26	11.51 -0.14 -2.78	10.98 -0.04 -3.52	10.87 -0.16 -3.57	10.89 -0.18 -4.00	13.22 -0.24 -4.11	13.62 -0.34 -4.69	15.93 -0.31 -4.16	17.72 -0.36 -3.26	20.96 -0.62 -2.25	17.61 -0.49 -2.66	15.61 -0.37 -1.70	10.44 0.06 -2.52
CE_DUNWOOD___DRP 24194	22.21 0.43 -14.53	20.25 0.29 -14.89	18.86 0.29 -13.45	18.74 0.25 -14.11	19.37 0.29 -13.98	21.81 0.29 -16.40	26.81 0.42 -19.41	27.26 0.62 -16.63	26.43 1.01 -10.60	23.65 0.78 -12.02	21.95 0.84 -9.75	23.52 0.81 -11.61	23.79 0.64 -14.28	26.13 0.53 -18.10	26.42 0.51 -18.46	28.35 0.48 -20.79	31.43 0.65 -21.43	33.80 0.67 -23.87	34.06 0.83 -21.14	32.37 0.98 -16.58	32.03 1.26 -11.44	29.94 0.97 -13.52	23.92 0.94 -8.69	21.22 0.51 -12.84
CE_MILLWOOD___DRP 24193	22.23 0.41 -14.57	20.28 0.28 -14.93	18.88 0.28 -13.48	18.77 0.24 -14.15	19.40 0.28 -14.01	21.84 0.28 -16.45	26.85 0.41 -19.47	27.28 0.60 -16.68	26.41 0.96 -10.63	23.65 0.75 -12.06	21.95 0.82 -9.78	23.53 0.79 -11.64	23.80 0.61 -14.32	26.17 0.51 -18.15	26.46 0.49 -18.51	28.40 0.47 -20.85	31.47 0.64 -21.49	33.85 0.65 -23.93	34.10 0.82 -21.20	32.40 0.96 -16.63	32.04 1.24 -11.47	29.96 0.96 -13.55	23.91 0.91 -8.71	21.24 0.50 -12.87
CE_NYC2_DRP 24202	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.29 -16.43	26.85 0.43 -19.45	27.33 0.66 -16.67	26.54 1.10 -10.62	23.77 0.88 -12.05	22.08 0.95 -9.77	23.65 0.92 -11.63	23.90 0.72 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.93 0.75 -23.91	34.20 0.93 -21.19	32.49 1.07 -16.61	32.17 1.37 -11.46	30.04 1.05 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
CE_NYC_DRP 24195	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.76 0.87 -12.05	22.07 0.94 -9.77	23.64 0.91 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.92 0.73 -23.91	34.20 0.93 -21.19	32.49 1.07 -16.61	32.17 1.37 -11.46	30.06 1.07 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
CHAFFEE___LFGE 323603	10.05 0.04 -2.77	7.95 0.04 -2.83	7.76 0.08 -2.56	7.10 0.03 -2.69	7.79 0.03 -2.66	8.25 0.02 -3.12	10.61 -0.06 -3.69	12.87 -0.29 -3.16	15.00 -0.74 -0.92	12.64 -0.49 -2.28	12.71 -0.50 -1.85	12.82 -0.47 -2.18	11.26 -0.30 -2.69	10.72 -0.19 -3.40	10.68 -0.22 -3.45	10.71 -0.23 -3.86	13.03 -0.29 -3.97	13.39 -0.41 -4.53	15.64 -0.46 -4.02	17.40 -0.56 -3.15	20.62 -0.89 -2.17	17.32 -0.69 -2.57	15.38 -0.56 -1.65	10.30 -0.02 -2.44
CHATEAUG_35_KV_LOAD 355732	6.90 -0.35 0.00	4.83 -0.24 0.00	4.84 -0.28 0.00	4.14 -0.24 0.00	4.87 -0.24 0.00	4.90 -0.21 0.00	6.76 -0.22 0.00	9.76 -0.24 0.00	14.55 -0.27 0.00	10.69 -0.15 0.00	11.13 -0.23 0.00	10.73 -0.37 0.00	8.59 -0.28 0.00	7.22 -0.29 0.00	7.25 -0.20 0.00	6.94 -0.14 0.00	9.17 -0.18 0.00	9.19 -0.07 0.00	12.01 -0.07 0.00	14.77 -0.04 0.00	19.21 -0.12 0.00	15.32 -0.12 0.00	14.15 -0.13 0.00	7.70 -0.17 0.00
CHATEAUG_WT_PWR 323614	6.92 -0.33 0.00	4.83 -0.25 0.00	4.83 -0.29 0.00	4.14 -0.23 0.00	4.87 -0.24 0.00	4.90 -0.21 0.00	6.76 -0.22 0.00	9.76 -0.24 0.00	14.57 -0.25 0.00	10.70 -0.14 0.00	11.16 -0.19 0.00	10.79 -0.31 0.00	8.62 -0.25 0.00	7.23 -0.28 0.00	7.27 -0.19 0.00	6.96 -0.12 0.00	9.18 -0.17 0.00	9.20 -0.06 0.00	12.02 -0.06 0.00	14.77 -0.04 0.00	19.23 -0.10 0.00	15.32 -0.12 0.00	14.17 -0.11 0.00	7.71 -0.17 0.00
CHAT_HIGH_FALL_HYD 323578	6.90 -0.35 0.00	4.82 -0.25 0.00	4.83 -0.29 0.00	4.14 -0.24 0.00	4.87 -0.24 0.00	4.90 -0.21 0.00	6.76 -0.22 0.00	9.76 -0.24 0.00	14.55 -0.27 0.00	10.69 -0.15 0.00	11.13 -0.23 0.00	10.78 -0.32 0.00	8.61 -0.26 0.00	7.22 -0.29 0.00	7.25 -0.20 0.00	6.94 -0.14 0.00	9.17 -0.18 0.00	9.19 -0.07 0.00	12.01 -0.07 0.00	14.77 -0.04 0.00	19.21 -0.12 0.00	15.32 -0.12 0.00	14.15 -0.13 0.00	7.70 -0.17 0.00
CHAUTAUQUA___LFGE 323629	10.16 0.11 -2.80	8.02 0.09 -2.87	7.82 0.12 -2.59	7.16 0.07 -2.72	7.86 0.07 -2.69	8.33 0.06 -3.16	10.74 0.03 -3.74	13.05 -0.15 -3.20	15.54 -0.46 -1.18	12.96 -0.19 -2.31	13.07 -0.19 -1.91	13.12 -0.23 -2.25	11.54 -0.11 -2.77	11.00 -0.01 -3.51	10.89 -0.12 -3.56	10.91 -0.15 -3.98	13.24 -0.20 -4.09	13.64 -0.30 -4.67	15.97 -0.25 -4.14	17.75 -0.31 -3.25	21.01 -0.56 -2.24	17.65 -0.45 -2.65	15.63 -0.33 -1.67	10.44 0.09 -2.47
CHERRYST_13_KV_LD 356241	22.28 0.47 -14.56	20.31 0.32 -14.92	18.91 0.32 -13.48	18.79 0.27 -14.14	19.42 0.31 -14.00	21.86 0.31 -16.43	26.89 0.46 -19.45	27.36 0.69 -16.67	26.58 1.14 -10.62	23.80 0.91 -12.05	22.10 0.98 -9.77	23.69 0.95 -11.63	23.92 0.74 -14.31	26.24 0.60 -18.14	26.54 0.59 -18.50	28.47 0.56 -20.83	31.58 0.76 -21.47	33.95 0.77 -23.91	34.23 0.97 -21.19	32.54 1.11 -16.61	32.22 1.43 -11.46	30.09 1.10 -13.54	24.08 1.09 -8.71	21.33 0.59 -12.87
CHESTROR_138KV_BK263 355645	21.08 0.36 -13.47	19.12 0.24 -13.80	17.83 0.24 -12.47	17.67 0.21 -13.09	18.30 0.23 -12.96	20.56 0.24 -15.21	25.31 0.33 -18.00	25.92 0.50 -15.42	25.45 0.80 -9.83	22.61 0.62 -11.15	21.05 0.66 -9.04	22.49 0.63 -10.76	22.60 0.50 -13.23	24.69 0.41 -16.77	24.95 0.39 -17.10	26.70 0.37 -19.25	29.69 0.50 -19.84	31.91 0.51 -22.13	32.33 0.65 -19.60	30.94 0.76 -15.37	30.92 0.99 -10.61	28.75 0.77 -12.53	23.08 0.74 -8.06	20.19 0.42 -11.90
CH_MIDHUDSON___DRP 24192	22.41 0.39 -14.77	20.48 0.27 -15.13	19.05 0.27 -13.67	18.95 0.23 -14.35	19.57 0.26 -14.21	22.06 0.27 -16.67	27.07 0.36 -19.74	27.44 0.53 -16.91	26.44 0.84 -10.78	23.71 0.65 -12.22	21.96 0.69 -9.91	23.53 0.67 -11.77	23.88 0.53 -14.48	26.29 0.44 -18.35	26.57 0.43 -18.68	28.49 0.41 -21.00	31.54 0.56 -21.63	34.10 0.57 -24.25	34.31 0.74 -21.49	32.55 0.89 -16.86	32.10 1.14 -11.63	30.07 0.88 -13.74	23.95 0.83 -8.84	21.39 0.46 -13.05
CH_MISC_IPPS 23765	22.16 0.41 -14.49	20.21 0.29 -14.85	18.81 0.28 -13.42	18.70 0.24 -14.08	19.32 0.27 -13.94	21.75 0.27 -16.36	26.71 0.36 -19.37	27.15 0.55 -16.59	26.26 0.86 -10.58	23.51 0.67 -12.00	21.81 0.73 -9.73	23.37 0.71 -11.56	23.65 0.56 -14.22	25.99 0.47 -18.03	26.28 0.46 -18.36	28.18 0.45 -20.65	31.23 0.61 -21.28	33.70 0.62 -23.81	33.98 0.81 -21.10	32.30 0.95 -16.54	31.96 1.22 -11.42	29.89 0.96 -13.48	23.83 0.87 -8.67	21.20 0.51 -12.81
CH_RES_BVR_FALLS 23983	6.99 -0.26 0.00	4.89 -0.19 0.00	4.91 -0.20 0.00	4.20 -0.18 0.00	4.91 -0.20 0.00	4.92 -0.19 0.00	6.74 -0.23 0.00	9.73 -0.27 0.00	14.48 -0.34 0.00	10.60 -0.24 0.00	11.07 -0.28 0.00	10.78 -0.32 0.00	8.59 -0.28 0.00	7.25 -0.26 0.00	7.22 -0.23 0.00	6.87 -0.21 0.00	9.06 -0.29 0.00	9.00 -0.27 0.00	11.74 -0.34 0.00	14.41 -0.40 0.00	18.83 -0.50 0.00	15.05 -0.40 0.00	13.90 -0.38 0.00	7.63 -0.24 0.00















FULTON___LFGE 323630	29.34 0.69 -21.40	27.46 0.46 -21.93	25.39 0.46 -19.81	25.56 0.39 -20.80	26.17 0.47 -20.59	29.76 0.49 -24.17	36.23 0.66 -28.60	35.39 0.88 -24.51	31.64 1.20 -15.62	29.37 0.81 -17.71	26.54 0.82 -14.37	28.81 0.87 -16.84	30.38 0.75 -20.76	34.46 0.71 -26.25	34.69 0.69 -26.54	37.38 0.69 -29.61	40.70 0.93 -30.43	45.32 0.94 -35.12	44.49 1.26 -31.15	40.74 1.50 -24.43	38.20 2.01 -16.86	36.95 1.59 -19.91	28.46 1.37 -12.81	27.58 0.79 -18.92
G.F.CEMENT___DRP 24184	26.38 0.36 -18.77	24.54 0.24 -19.23	22.74 0.25 -17.37	22.82 0.21 -18.23	23.41 0.25 -18.06	26.56 0.26 -21.19	32.44 0.38 -25.08	32.01 0.52 -21.49	29.27 0.76 -13.70	26.91 0.53 -15.53	24.51 0.56 -12.60	26.37 0.55 -14.71	27.52 0.50 -18.15	30.92 0.48 -22.93	31.08 0.48 -23.14	33.30 0.46 -25.76	36.32 0.52 -26.45	40.55 0.50 -30.78	40.01 0.62 -27.32	36.91 0.68 -21.42	35.16 1.04 -14.78	33.73 0.82 -17.46	26.24 0.73 -11.23	24.87 0.40 -16.59
GARDENVILLE___LBMP 24039	9.96 0.04 -2.67	7.82 0.02 -2.74	7.65 0.06 -2.47	7.01 0.04 -2.59	7.71 0.03 -2.57	8.15 0.03 -3.01	10.49 -0.05 -3.56	12.77 -0.28 -3.05	14.52 -0.68 -0.38	12.57 -0.48 -2.20	12.64 -0.50 -1.79	12.79 -0.41 -2.10	11.20 -0.27 -2.59	10.60 -0.18 -3.28	10.55 -0.22 -3.32	10.58 -0.22 -3.72	12.89 -0.29 -3.83	13.24 -0.41 -4.38	15.50 -0.46 -3.88	17.29 -0.56 -3.04	20.54 -0.89 -2.10	17.23 -0.70 -2.48	15.32 -0.56 -1.60	10.22 -0.01 -2.36
GARDNVLA_35_KV_LD 355827	9.99 0.06 -2.68	7.86 0.03 -2.75	7.68 0.08 -2.49	7.03 0.05 -2.61	7.74 0.05 -2.58	8.19 0.05 -3.03	10.54 -0.01 -3.58	12.82 -0.24 -3.06	14.81 -0.67 -0.66	12.62 -0.43 -2.21	12.71 -0.44 -1.80	12.86 -0.36 -2.12	11.25 -0.22 -2.61	10.66 -0.14 -3.30	10.61 -0.18 -3.34	10.64 -0.18 -3.74	12.95 -0.24 -3.85	13.30 -0.37 -4.40	15.58 -0.41 -3.91	17.37 -0.50 -3.06	20.63 -0.81 -2.12	17.31 -0.63 -2.50	15.39 -0.50 -1.61	10.27 0.02 -2.37
GELCKHM___115KV_LOAD 80723	8.83 0.01 -1.56	6.65 -0.02 -1.60	6.55 -0.02 -1.45	5.88 -0.01 -1.52	6.59 -0.02 -1.50	6.87 -0.01 -1.76	9.05 -0.01 -2.09	11.75 -0.04 -1.79	15.83 -0.13 -1.14	12.04 -0.10 -1.29	12.32 -0.08 -1.05	12.28 -0.06 -1.23	10.36 -0.04 -1.52	9.41 -0.02 -1.92	9.37 -0.03 -1.95	9.23 -0.04 -2.18	11.55 -0.05 -2.25	11.76 -0.07 -2.56	14.24 -0.11 -2.27	16.46 -0.13 -1.78	20.40 -0.15 -1.23	16.78 -0.12 -1.45	15.07 -0.14 -0.93	9.24 -0.02 -1.38
GENERAL___MILLS 23808	9.98 0.04 -2.68	7.85 0.03 -2.75	7.67 0.07 -2.48	7.03 0.05 -2.60	7.73 0.04 -2.58	8.17 0.04 -3.03	10.51 -0.03 -3.57	12.79 -0.27 -3.06	14.72 -0.68 -0.58	12.58 -0.47 -2.21	12.67 -0.48 -1.79	12.82 -0.39 -2.11	11.22 -0.25 -2.60	10.63 -0.17 -3.29	10.58 -0.21 -3.34	10.61 -0.21 -3.74	12.92 -0.27 -3.84	13.28 -0.39 -4.40	15.54 -0.45 -3.90	17.34 -0.53 -3.06	20.57 -0.87 -2.11	17.26 -0.68 -2.49	15.34 -0.54 -1.60	10.24 0.00 -2.37
GE_PLASTICS___DRP 24183	25.44 0.24 -17.95	23.63 0.16 -18.39	21.90 0.16 -16.62	21.95 0.14 -17.44	22.55 0.17 -17.27	25.54 0.16 -20.27	31.17 0.21 -23.99	30.84 0.28 -20.55	28.35 0.43 -13.10	26.01 0.31 -14.86	23.73 0.33 -12.05	25.53 0.32 -14.11	26.53 0.27 -17.39	29.72 0.23 -21.99	29.90 0.23 -22.21	32.06 0.22 -24.76	35.08 0.29 -25.44	38.99 0.28 -29.45	38.57 0.36 -26.13	35.76 0.46 -20.49	34.05 0.58 -14.14	32.63 0.48 -16.70	25.45 0.43 -10.74	23.98 0.24 -15.87
GILBOA___1 23756	21.83 0.25 -14.32	19.92 0.17 -14.68	18.55 0.17 -13.26	18.43 0.14 -13.92	19.06 0.17 -13.78	21.45 0.17 -16.17	26.35 0.23 -19.14	26.72 0.32 -16.40	25.76 0.49 -10.45	23.05 0.36 -11.85	21.34 0.37 -9.61	22.80 0.38 -11.32	23.12 0.30 -13.95	25.41 0.26 -17.65	25.59 0.25 -17.89	27.34 0.23 -20.02	30.25 0.31 -20.60	33.07 0.29 -23.51	33.30 0.37 -20.85	31.62 0.46 -16.35	31.21 0.60 -11.28	29.27 0.49 -13.33	23.31 0.46 -8.57	20.80 0.27 -12.66
GILBOA___2 23757	21.83 0.25 -14.32	19.92 0.17 -14.68	18.55 0.17 -13.26	18.43 0.14 -13.92	19.06 0.17 -13.78	21.45 0.17 -16.17	26.35 0.23 -19.14	26.72 0.32 -16.40	25.76 0.49 -10.45	23.05 0.36 -11.85	21.34 0.37 -9.61	22.80 0.38 -11.32	23.12 0.30 -13.95	25.41 0.26 -17.65	25.59 0.25 -17.89	27.34 0.23 -20.02	30.25 0.31 -20.60	33.07 0.29 -23.51	33.30 0.37 -20.85	31.62 0.46 -16.35	31.21 0.60 -11.28	29.27 0.49 -13.33	23.31 0.46 -8.57	20.80 0.27 -12.66
GILBOA___3 23758	21.83 0.25 -14.32	19.92 0.17 -14.68	18.55 0.17 -13.26	18.43 0.14 -13.92	19.06 0.17 -13.78	21.45 0.17 -16.17	26.35 0.23 -19.14	26.72 0.32 -16.40	25.76 0.49 -10.45	23.05 0.36 -11.85	21.34 0.37 -9.61	22.80 0.38 -11.32	23.12 0.30 -13.95	25.41 0.26 -17.65	25.59 0.25 -17.89	27.34 0.23 -20.02	30.25 0.31 -20.60	33.07 0.29 -23.51	33.30 0.37 -20.85	31.62 0.46 -16.35	31.21 0.60 -11.28	29.27 0.49 -13.33	23.31 0.46 -8.57	20.80 0.27 -12.66
GILBOA___4 23759	21.83 0.25 -14.32	19.92 0.17 -14.68	18.55 0.17 -13.26	18.43 0.14 -13.92	19.06 0.17 -13.78	21.45 0.17 -16.17	26.35 0.23 -19.14	26.72 0.32 -16.40	25.76 0.49 -10.45	23.05 0.36 -11.85	21.34 0.37 -9.61	22.80 0.38 -11.32	23.12 0.30 -13.95	25.41 0.26 -17.65	25.59 0.25 -17.89	27.34 0.23 -20.02	30.25 0.31 -20.60	33.07 0.29 -23.51	33.30 0.37 -20.85	31.62 0.46 -16.35	31.21 0.60 -11.28	29.27 0.49 -13.33	23.31 0.46 -8.57	20.80 0.27 -12.66
GILBOA___ 23599	21.83 0.25 -14.32	19.92 0.17 -14.68	18.55 0.17 -13.26	18.43 0.14 -13.92	19.06 0.17 -13.78	21.46 0.17 -16.17	26.35 0.23 -19.14	26.72 0.32 -16.40	25.76 0.49 -10.45	23.05 0.36 -11.85	21.34 0.37 -9.61	22.80 0.38 -11.32	23.12 0.30 -13.95	25.41 0.26 -17.65	25.59 0.25 -17.89	27.34 0.23 -20.02	30.25 0.31 -20.59	33.06 0.29 -23.51	33.30 0.37 -20.85	31.62 0.46 -16.35	31.21 0.60 -11.28	29.27 0.49 -13.33	23.31 0.46 -8.57	20.80 0.27 -12.66
GINNA___ 23603	8.89 -0.23 -1.87	6.82 -0.17 -1.92	6.70 -0.15 -1.73	6.05 -0.14 -1.82	6.73 -0.18 -1.80	7.06 -0.17 -2.11	9.22 -0.26 -2.50	11.67 -0.47 -2.14	15.09 -0.89 -1.16	11.77 -0.62 -1.55	11.99 -0.62 -1.25	11.97 -0.61 -1.48	10.24 -0.45 -1.82	9.46 -0.34 -2.30	9.41 -0.38 -2.34	9.33 -0.36 -2.61	11.55 -0.49 -2.69	11.79 -0.55 -3.07	14.14 -0.66 -2.72	16.13 -0.81 -2.13	19.68 -1.12 -1.47	16.32 -0.86 -1.74	14.60 -0.80 -1.12	9.24 -0.28 -1.65
GLEN PARK___ 23778	8.36 0.17 -0.94	6.05 0.02 -0.96	6.01 0.02 -0.87	5.30 0.01 -0.91	6.03 0.02 -0.90	6.25 0.07 -1.06	8.36 0.13 -1.26	11.24 0.16 -1.08	15.69 0.18 -0.69	11.65 0.03 -0.78	11.92 -0.07 -0.63	11.79 -0.06 -0.74	9.74 -0.04 -0.92	8.61 -0.05 -1.16	8.57 -0.06 -1.17	8.32 -0.08 -1.31	10.63 -0.06 -1.35	10.77 -0.04 -1.54	13.50 0.05 -1.37	16.02 0.13 -1.07	20.48 0.41 -0.74	16.63 0.31 -0.87	15.07 0.23 -0.56	8.88 0.18 -0.83
GLENDALE_27_KV_LOAD 356172	22.29 0.48 -14.56	20.32 0.33 -14.92	18.92 0.33 -13.48	18.79 0.28 -14.14	19.43 0.32 -14.00	21.85 0.30 -16.43	26.88 0.45 -19.45	27.37 0.70 -16.67	26.60 1.16 -10.62	23.82 0.93 -12.05	22.12 1.00 -9.77	23.71 0.98 -11.63	23.94 0.75 -14.31	26.27 0.62 -18.14	26.56 0.60 -18.50	28.49 0.57 -20.83	31.60 0.78 -21.47	33.98 0.80 -23.91	34.26 0.99 -21.19	32.57 1.14 -16.61	32.24 1.45 -11.46	30.12 1.13 -13.54	24.09 1.10 -8.71	21.35 0.61 -12.87

GLENWOOD_IC_1_G5 23712	27.68 0.53 -19.90	23.31 0.37 -17.88	20.98 0.36 -15.50	20.76 0.31 -16.07	23.17 0.36 -17.71	25.61 0.36 -20.14	31.54 0.52 -24.05	30.50 0.77 -19.73	28.78 1.23 -12.72	24.55 0.95 -12.76	27.38 1.01 -15.02	29.15 0.97 -17.08	29.22 0.77 -19.58	29.17 0.64 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.82 0.74 -25.73	41.55 0.75 -31.53	42.38 0.95 -29.34	42.09 1.11 -26.17	46.92 1.43 -26.17	35.16 1.11 -18.60	31.48 1.17 -16.03	29.65 0.63 -21.15
GLENWOOD_IC_2_G1 23688	27.64 0.49 -19.90	20.58 0.34 -15.17	19.10 0.34 -13.65	18.97 0.29 -14.31	19.76 0.33 -14.32	22.20 0.33 -16.75	31.51 0.49 -24.05	30.45 0.72 -19.73	28.70 1.16 -12.72	24.49 0.89 -12.76	27.33 0.95 -15.02	29.11 0.93 -17.08	29.17 0.72 -19.58	29.13 0.59 -21.03	30.08 0.58 -22.05	31.91 0.55 -24.29	35.82 0.74 -25.73	41.55 0.75 -31.53	42.38 0.95 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.40 1.08 -16.03	29.61 0.58 -21.15
GLENWOOD_IC_3_G1 23689	27.64 0.49 -19.90	20.58 0.34 -15.17	19.10 0.34 -13.65	18.97 0.29 -14.31	19.76 0.33 -14.32	22.20 0.33 -16.75	31.51 0.49 -24.05	30.45 0.72 -19.73	28.70 1.16 -12.72	24.49 0.89 -12.76	27.33 0.95 -15.02	29.11 0.93 -17.08	29.17 0.72 -19.58	29.13 0.59 -21.03	30.08 0.58 -22.05	31.91 0.55 -24.29	35.82 0.74 -25.73	41.55 0.75 -31.53	42.38 0.95 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.40 1.08 -16.03	29.61 0.58 -21.15
GLENWOOD___4 23550	27.68 0.53 -19.90	23.31 0.37 -17.88	20.98 0.36 -15.50	20.76 0.31 -16.07	23.17 0.36 -17.71	25.61 0.36 -20.14	31.54 0.52 -24.05	30.50 0.77 -19.73	28.78 1.23 -12.72	24.55 0.95 -12.76	27.38 1.01 -15.02	29.15 0.97 -17.08	29.22 0.77 -19.58	29.17 0.64 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.85 0.77 -25.73	41.57 0.77 -31.53	42.40 0.98 -29.34	42.14 1.16 -26.17	46.98 1.49 -26.17	35.21 1.16 -18.60	31.48 1.17 -16.03	29.65 0.63 -21.15
GLENWOOD___5 23614	27.68 0.53 -19.90	23.31 0.37 -17.88	20.98 0.36 -15.50	20.76 0.31 -16.07	23.17 0.36 -17.71	25.61 0.36 -20.14	31.54 0.52 -24.05	30.50 0.77 -19.73	28.78 1.23 -12.72	24.55 0.95 -12.76	27.38 1.01 -15.02	29.15 0.97 -17.08	29.22 0.77 -19.58	29.17 0.64 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.85 0.77 -25.73	41.57 0.77 -31.53	42.40 0.98 -29.34	42.14 1.16 -26.17	46.98 1.49 -26.17	35.21 1.16 -18.60	31.48 1.17 -16.03	29.65 0.63 -21.15
GLOBAL GREEN_PORT_GT1 23814	27.91 0.76 -19.90	23.97 0.55 -18.35	21.50 0.56 -15.82	21.23 0.48 -16.38	23.95 0.54 -18.30	26.40 0.55 -20.74	31.84 0.82 -24.05	30.92 1.19 -19.73	29.25 1.70 -12.72	24.88 1.28 -12.76	27.64 1.27 -15.02	29.40 1.22 -17.08	29.39 0.94 -19.58	29.30 0.77 -21.03	30.19 0.69 -22.05	32.01 0.64 -24.29	36.09 1.01 -25.73	41.85 1.06 -31.53	42.86 1.44 -29.34	42.74 1.76 -26.17	47.77 2.28 -26.17	35.89 1.84 -18.60	31.99 1.68 -16.03	29.87 0.85 -21.15
GLOBE___DSASP 323697	9.60 -0.11 -2.46	7.51 -0.09 -2.52	7.38 -0.02 -2.28	6.74 -0.02 -2.39	7.43 -0.05 -2.37	7.83 -0.07 -2.78	10.03 -0.21 -3.27	12.21 -0.55 -2.76	14.64 -0.93 -0.76	12.04 -0.79 -1.99	12.16 -0.84 -1.65	12.28 -0.75 -1.94	10.71 -0.54 -2.38	10.10 -0.41 -3.01	10.04 -0.45 -3.05	10.07 -0.42 -3.41	12.29 -0.56 -3.51	12.59 -0.69 -4.00	14.80 -0.83 -3.55	16.53 -1.07 -2.79	19.70 -1.57 -1.93	16.52 -1.20 -2.28	14.74 -1.01 -1.47	9.83 -0.22 -2.18
GOETHSLN___LBMP 323567	22.24 0.44 -14.56	20.28 0.29 -14.92	18.88 0.29 -13.48	18.76 0.24 -14.14	19.39 0.28 -14.00	21.83 0.29 -16.43	26.85 0.43 -19.45	27.31 0.64 -16.67	26.54 1.10 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.86 0.68 -14.31	26.20 0.56 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.16 0.89 -21.19	32.42 0.99 -16.61	32.11 1.31 -11.46	29.99 1.00 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
GOLAH___69_KV_TB 1_2 80279	9.43 0.20 -1.97	7.20 0.11 -2.02	7.09 0.15 -1.83	6.42 0.13 -1.92	7.14 0.13 -1.90	7.48 0.14 -2.23	9.74 0.13 -2.64	12.31 0.05 -2.26	16.05 -0.21 -1.44	12.34 -0.13 -1.63	12.55 -0.12 -1.32	12.61 -0.04 -1.56	10.76 -0.03 -1.92	9.93 0.00 -2.43	9.88 -0.04 -2.46	9.80 -0.04 -2.76	12.08 -0.10 -2.84	12.37 -0.14 -3.24	14.84 -0.11 -2.87	16.94 -0.12 -2.25	20.67 -0.21 -1.55	17.16 -0.12 -1.84	15.38 -0.09 -1.18	9.80 0.18 -1.74
GOODYEAR_LAKE_HYD 323669	11.67 0.31 -4.11	9.47 0.18 -4.21	9.11 0.19 -3.80	8.52 0.16 -3.99	9.25 0.18 -3.95	9.95 0.20 -4.64	12.77 0.30 -5.49	15.13 0.42 -4.71	18.44 0.62 -3.00	14.67 0.42 -3.40	14.56 0.44 -2.76	14.82 0.47 -3.25	13.24 0.36 -4.00	12.88 0.31 -5.07	12.89 0.30 -5.14	13.09 0.27 -5.75	15.63 0.37 -5.91	16.39 0.37 -6.75	18.56 0.50 -5.98	20.09 0.59 -4.69	23.36 0.79 -3.24	19.91 0.63 -3.82	17.30 0.56 -2.46	11.83 0.32 -3.63
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	12.14 0.21 -4.68	9.98 0.11 -4.80	9.58 0.13 -4.34	9.03 0.10 -4.55	9.73 0.12 -4.51	10.53 0.13 -5.29	13.39 0.16 -6.26	15.54 0.18 -5.36	18.66 0.18 -3.66	14.83 0.11 -3.88	14.62 0.12 -3.14	14.97 0.17 -3.70	13.57 0.13 -4.56	13.40 0.13 -5.77	13.42 0.11 -5.85	13.73 0.10 -6.55	16.23 0.15 -6.73	17.08 0.13 -7.69	19.06 0.17 -6.82	20.35 0.19 -5.34	23.27 0.25 -3.69	20.01 0.20 -4.36	17.25 0.17 -2.80	12.21 0.20 -4.14
GOUDEY___7 23579	12.15 0.22 -4.68	9.99 0.12 -4.80	9.59 0.13 -4.34	9.03 0.11 -4.55	9.74 0.12 -4.51	10.53 0.13 -5.29	13.40 0.17 -6.26	15.55 0.19 -5.36	18.68 0.19 -3.66	14.84 0.12 -3.88	14.65 0.15 -3.14	14.98 0.18 -3.70	13.58 0.14 -4.56	13.41 0.14 -5.77	13.42 0.12 -5.85	13.73 0.11 -6.55	16.24 0.16 -6.73	17.09 0.14 -7.69	19.07 0.18 -6.82	20.36 0.21 -5.34	23.31 0.29 -3.69	20.02 0.22 -4.36	17.27 0.19 -2.80	12.22 0.20 -4.14
GOUDEY___8 23580	12.14 0.21 -4.68	9.98 0.11 -4.80	9.58 0.13 -4.34	9.03 0.10 -4.55	9.73 0.12 -4.51	10.53 0.13 -5.29	13.39 0.16 -6.26	15.54 0.18 -5.36	18.66 0.18 -3.66	14.83 0.11 -3.88	14.62 0.12 -3.14	14.97 0.17 -3.70	13.57 0.13 -4.56	13.40 0.13 -5.77	13.42 0.11 -5.85	13.73 0.10 -6.55	16.23 0.15 -6.73	17.08 0.13 -7.69	19.06 0.17 -6.82	20.35 0.19 -5.34	23.27 0.25 -3.69	20.01 0.20 -4.36	17.25 0.17 -2.80	12.21 0.20 -4.14
GOWANUS_GT1_1 24077	22.27 0.46 -14.56	20.31 0.32 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.66 0.93 -11.63	23.91 0.73 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.47 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.21 1.41 -11.46	30.09 1.10 -13.54	24.08 1.09 -8.71	21.34 0.60 -12.87
GOWANUS_GT1_2 24078	22.27 0.46 -14.56	20.31 0.32 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.66 0.93 -11.63	23.91 0.73 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.47 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.21 1.41 -11.46	30.09 1.10 -13.54	24.08 1.09 -8.71	21.34 0.60 -12.87

GOWANUS_GT1_3 24079	22.27	20.31	18.90	18.77	19.41	21.83	26.85	27.32	26.52	23.78	22.08	23.66	23.91	26.24	26.53	28.47	31.57	33.95	34.22	32.52	32.21	30.09	24.08	21.34
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.89	0.95	0.93	0.73	0.59	0.58	0.55	0.75	0.77	0.95	1.10	1.41	1.10	1.09	0.60
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
GOWANUS_GT1_4 24080	22.27	20.31	18.90	18.77	19.41	21.83	26.85	27.32	26.52	23.78	22.08	23.66	23.91	26.24	26.53	28.47	31.57	33.95	34.22	32.52	32.21	30.09	24.08	21.34
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.89	0.95	0.93	0.73	0.59	0.58	0.55	0.75	0.77	0.95	1.10	1.41	1.10	1.09	0.60
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
GOWANUS_GT1_5 24084	22.27	20.31	18.90	18.77	19.41	21.83	26.85	27.32	26.52	23.78	22.08	23.66	23.91	26.24	26.53	28.47	31.57	33.95	34.22	32.52	32.21	30.09	24.08	21.34
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.89	0.95	0.93	0.73	0.59	0.58	0.55	0.75	0.77	0.95	1.10	1.41	1.10	1.09	0.60
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
GOWANUS_GT1_6 24111	22.27	20.31	18.90	18.77	19.41	21.83	26.85	27.32	26.52	23.78	22.08	23.66	23.91	26.24	26.53	28.47	31.57	33.95	34.22	32.52	32.21	30.09	24.08	21.34
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.89	0.95	0.93	0.73	0.59	0.58	0.55	0.75	0.77	0.95	1.10	1.41	1.10	1.09	0.60
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
GOWANUS_GT1_7 24112	22.27	20.31	18.90	18.77	19.41	21.83	26.85	27.32	26.52	23.78	22.08	23.66	23.91	26.24	26.53	28.47	31.57	33.95	34.22	32.52	32.21	30.09	24.08	21.34
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.89	0.95	0.93	0.73	0.59	0.58	0.55	0.75	0.77	0.95	1.10	1.41	1.10	1.09	0.60
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.46	-13.54	-8.71	-12.87
GOWANUS_GT1_8 24113	22.27	20.31	18.90	18.77	19.41	21.83	26.85	27.32	26.52	23.78	22.08	23.66	23.91	26.24	26.53	28.47	31.57	33.95	34.22	32.52	32.21	30.09	24.08	21.34
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.89	0.95	0.93	0.73	0.59	0.58	0.55	0.75	0.77	0.95	1.10				

GOWANUS_GT3_2 24123	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
GOWANUS_GT3_3 24124	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
GOWANUS_GT3_4 24125	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
GOWANUS_GT3_5 24126	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
GOWANUS_GT3_6 24127	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
GOWANUS_GT3_7 24128	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
GOWANUS_GT3_8 24129	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.4			

GREENBSH_115KV_TB3 55895	25.48 0.22 -18.00	23.67 0.15 -18.45	21.94 0.16 -16.67	22.00 0.14 -17.49	22.59 0.16 -17.32	25.59 0.15 -20.33	31.24 0.20 -24.06	30.87 0.25 -20.62	28.35 0.39 -13.14	26.02 0.27 -14.91	23.73 0.28 -12.09	25.51 0.29 -14.12	26.54 0.25 -17.42	29.72 0.21 -22.01	29.87 0.22 -22.20	32.00 0.20 -24.72	34.99 0.26 -25.38	39.05 0.24 -29.54	38.62 0.33 -26.22	35.78 0.41 -20.56	34.04 0.52 -14.19	32.64 0.43 -16.76	25.44 0.39 -10.78	24.01 0.21 -15.92
GREENDGE_115KV_TB5 80291	11.27 0.38 -3.64	9.01 0.21 -3.73	8.72 0.23 -3.37	8.10 0.19 -3.54	8.83 0.21 -3.50	9.46 0.24 -4.11	12.16 0.31 -4.87	14.54 0.37 -4.17	20.94 0.37 -5.74	14.09 0.23 -3.02	14.06 0.25 -2.45	14.26 0.28 -2.89	12.63 0.20 -3.56	12.21 0.20 -4.50	12.19 0.18 -4.56	12.34 0.16 -5.09	14.84 0.25 -5.24	15.48 0.23 -5.98	17.71 0.33 -5.30	19.38 0.41 -4.16	22.76 0.56 -2.87	19.24 0.40 -3.39	16.78 0.31 -2.18	11.43 0.34 -3.22
GREENIDGE___3 23582	11.27 0.38 -3.64	9.01 0.21 -3.73	8.72 0.23 -3.37	8.10 0.19 -3.54	8.83 0.21 -3.50	9.46 0.24 -4.11	12.16 0.31 -4.87	14.54 0.37 -4.17	20.94 0.37 -5.74	14.09 0.23 -3.02	14.06 0.25 -2.45	14.26 0.28 -2.89	12.63 0.20 -3.56	12.21 0.20 -4.50	12.19 0.18 -4.56	12.34 0.16 -5.09	14.84 0.25 -5.24	15.48 0.23 -5.98	17.71 0.33 -5.30	19.38 0.41 -4.16	22.76 0.56 -2.87	19.24 0.40 -3.39	16.78 0.31 -2.18	11.43 0.34 -3.22
GREENIDGE___4 23583	11.27 0.38 -3.64	9.03 0.22 -3.73	8.73 0.24 -3.37	8.10 0.19 -3.54	8.83 0.21 -3.50	9.46 0.24 -4.11	12.16 0.31 -4.87	14.54 0.37 -4.17	20.93 0.37 -5.74	14.08 0.23 -3.02	14.06 0.25 -2.45	14.22 0.23 -2.89	12.61 0.19 -3.56	12.21 0.20 -4.50	12.19 0.18 -4.56	12.35 0.16 -5.11	14.85 0.25 -5.25	15.49 0.23 -5.99	17.72 0.33 -5.32	19.39 0.41 -4.17	22.77 0.56 -2.88	19.25 0.40 -3.40	16.78 0.31 -2.18	11.43 0.34 -3.22
GREENLWN_69_KV_BK 3 55738	27.76 0.61 -19.90	23.83 0.42 -18.34	21.35 0.42 -15.81	21.11 0.36 -16.37	23.80 0.41 -18.28	26.25 0.42 -20.72	31.63 0.61 -24.05	30.63 0.90 -19.73	28.97 1.42 -12.72	24.68 1.08 -12.76	27.49 1.11 -15.02	29.22 1.04 -17.08	29.30 0.85 -19.58	29.23 0.70 -21.03	30.17 0.67 -22.05	31.98 0.61 -24.29	35.92 0.84 -25.73	41.65 0.85 -31.53	42.52 1.10 -29.34	42.28 1.30 -26.17	47.18 1.68 -18.60	35.38 1.33 -16.03	31.58 1.27 -16.03	29.74 0.72 -21.15
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.27 0.46 -14.56	20.31 0.32 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.66 0.93 -11.63	23.91 0.73 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.47 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.21 1.41 -11.46	30.09 1.10 -13.54	24.08 1.09 -8.71	21.34 0.60 -12.87
GRISSOM___SOLAR 323813	29.34 0.69 -21.40	27.46 0.46 -21.93	25.39 0.46 -19.81	25.56 0.39 -20.80	26.17 0.47 -20.59	29.76 0.49 -24.17	36.23 0.66 -28.60	35.39 0.88 -24.51	31.64 1.20 -15.62	29.37 0.81 -17.71	26.54 0.82 -14.37	28.81 0.87 -16.84	30.38 0.75 -20.76	34.46 0.71 -26.25	34.69 0.69 -26.54	37.38 0.69 -29.61	40.70 0.93 -30.43	45.32 0.94 -35.12	44.49 1.26 -31.15	40.74 1.50 -24.43	38.20 2.01 -16.86	36.95 1.59 -19.91	28.46 1.37 -12.81	27.58 0.79 -18.92
GROVEVILLE___HYD 323602	22.22 0.42 -14.55	20.27 0.29 -14.91	18.87 0.28 -13.47	18.75 0.24 -14.13	19.38 0.28 -14.00	21.82 0.29 -16.43	26.78 0.36 -19.44	27.22 0.56 -16.66	26.31 0.87 -10.62	23.55 0.67 -12.04	21.86 0.74 -9.77	23.41 0.71 -11.60	23.72 0.57 -14.28	26.07 0.47 -18.09	26.35 0.47 -18.43	28.27 0.46 -20.73	31.34 0.63 -21.36	33.80 0.63 -23.90	34.07 0.82 -21.18	32.39 0.98 -16.61	32.04 1.26 -11.46	29.97 0.99 -13.53	23.87 0.89 -8.70	21.25 0.52 -12.86
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	9.03 0.08 -1.70	6.83 0.02 -1.74	6.71 0.02 -1.58	6.04 0.02 -1.65	6.76 0.02 -1.64	7.06 0.03 -1.92	9.28 0.03 -2.27	11.98 0.03 -1.95	16.03 -0.03 -1.24	12.22 -0.03 -1.41	12.50 0.00 -1.14	12.48 0.03 -1.35	10.55 0.02 -1.66	9.63 0.03 -2.10	9.59 0.01 -2.13	9.47 0.01 -2.38	11.80 0.01 -2.45	12.05 -0.01 -2.79	14.53 -0.02 -2.48	16.72 -0.03 -1.94	20.67 0.00 -1.34	17.02 -0.02 -1.58	15.26 -0.04 -1.02	9.42 0.05 -1.50
HAMLTNNY_34_KV_TB 80303	9.12 0.09 -1.78	6.92 0.02 -1.83	6.80 0.04 -1.65	6.13 0.03 -1.73	6.85 0.03 -1.72	7.17 0.04 -2.01	9.43 0.07 -2.38	12.11 0.07 -2.04	16.14 0.01 -1.30	12.33 0.01 -1.48	12.59 0.03 -1.20	12.56 0.06 -1.41	10.66 0.05 -1.74	9.76 0.06 -2.20	9.72 0.04 -2.23	9.60 0.03 -2.49	11.95 0.04 -2.56	12.21 0.02 -2.93	14.69 0.01 -2.59	16.86 0.01 -2.03	20.79 0.06 -1.40	17.14 0.03 -1.66	15.35 0.00 -1.07	9.51 0.06 -1.58
HAMPSHIRE___PAPER_HYD 323593	7.64 -0.09 -0.48	5.45 -0.12 -0.49	5.44 -0.12 -0.44	4.73 -0.11 -0.46	5.45 -0.11 -0.46	5.58 -0.07 -0.54	7.54 -0.08 -0.64	10.45 -0.10 -0.55	15.05 -0.12 -0.35	11.09 -0.15 -0.40	11.40 -0.27 -0.32	11.20 -0.28 -0.38	9.12 -0.21 -0.47	7.85 -0.24 -0.59	7.80 -0.25 -0.60	7.51 -0.23 -0.67	9.74 -0.30 -0.69	9.79 -0.26 -0.78	12.47 -0.30 -0.70	15.03 -0.33 -0.55	19.45 -0.25 -0.38	15.74 -0.15 -0.44	14.44 -0.13 -0.29	8.23 -0.06 -0.42
HARDSCRABBLE_WT_PWR 323673	7.27 0.01 0.00	5.06 -0.01 0.00	5.11 -0.01 0.00	4.37 0.00 0.00	5.11 0.00 0.00	5.12 0.01 0.00	6.97 -0.01 0.00	9.99 -0.01 0.00	14.90 0.07 0.00	10.89 0.04 0.00	11.37 0.01 0.00	11.04 -0.06 0.00	8.75 -0.12 0.00	7.34 -0.17 0.00	7.27 -0.18 0.00	6.96 -0.12 0.00	9.21 -0.14 0.00	9.13 -0.14 0.00	11.91 -0.17 0.00	14.62 -0.19 0.00	19.12 -0.21 0.00	15.32 -0.12 0.00	14.20 -0.09 0.00	7.87 0.00 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	21.28 0.40 -13.63	19.31 0.27 -13.96	18.00 0.27 -12.62	17.84 0.23 -13.24	18.48 0.26 -13.11	20.77 0.27 -15.39	25.54 0.35 -18.21	26.14 0.53 -15.60	25.61 0.84 -9.94	22.78 0.66 -11.28	21.22 0.72 -9.15	22.69 0.71 -10.88	22.81 0.55 -13.39	24.93 0.45 -16.97	25.20 0.44 -17.31	26.98 0.42 -19.48	30.00 0.57 -20.08	32.23 0.57 -22.39	32.66 0.75 -19.84	31.22 0.86 -15.56	31.17 1.10 -10.73	28.99 0.87 -12.68	23.25 0.81 -8.15	20.41 0.49 -12.05
HARSNRAD_115KV_TB1 81005	9.64 -0.06 -2.44	7.53 -0.05 -2.50	7.38 0.01 -2.26	6.74 -0.01 -2.37	7.43 -0.03 -2.35	7.83 -0.04 -2.76	10.09 -0.15 -3.26	12.32 -0.47 -2.79	14.80 -0.73 -0.71	12.15 -0.70 -2.01	12.27 -0.73 -1.64	12.38 -0.64 -1.93	10.79 -0.45 -2.38	10.18 -0.33 -3.01	10.13 -0.37 -3.05	10.14 -0.35 -3.41	12.39 -0.47 -3.51	12.67 -0.60 -4.00	14.93 -0.70 -3.55	16.82 -0.77 -2.78	20.07 -1.18 -1.92	16.80 -0.91 -2.26	15.00 -0.74 -1.46	9.95 -0.08 -2.15
HARZA MOOSE___RIVER 24016	8.00 0.15 -0.61	5.71 0.02 -0.62	5.70 0.03 -0.56	4.98 0.01 -0.59	5.71 0.02 -0.58	5.87 0.08 -0.68	7.89 0.10 -0.81	10.84 0.14 -0.69	15.47 0.21 -0.44	11.42 0.08 -0.50	11.76 0.00 -0.41	11.62 0.04 -0.48	9.47 0.01 -0.59	8.24 -0.01 -0.75	8.20 -0.01 -0.76	7.90 -0.02 -0.85	10.21 -0.01 -0.87	10.27 0.01 -0.99	13.01 0.05 -0.88	15.60 0.10 -0.69	20.13 0.33 -0.48	16.21 0.20 -0.56	14.80 0.16 -0.36	8.56 0.16 -0.53

HDSNBRDG_115KV_BRDG_TB1 355580	8.85 0.03 -1.57	6.67 -0.02 -1.61	6.57 -0.01 -1.46	5.90 0.00 -1.53	6.61 -0.01 -1.51	6.89 0.00 -1.78	9.07 -0.01 -2.10	11.77 -0.03 -1.80	15.85 -0.12 -1.15	12.06 -0.09 -1.30	12.34 -0.07 -1.06	12.31 -0.03 -1.24	10.38 -0.03 -1.53	9.43 -0.01 -1.94	9.40 -0.02 -1.97	9.25 -0.03 -2.20	11.57 -0.04 -2.26	11.80 -0.06 -2.58	14.28 -0.08 -2.29	16.49 -0.12 -1.80	20.43 -0.14 -1.24	16.80 -0.11 -1.46	15.09 -0.13 -0.94	9.26 0.00 -1.39
HELLGATE_13_KV_LD 55870	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.29 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.65 0.92 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.29 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.65 0.92 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.03 1.04 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
HEMPSTEAD____ 23647	27.68 0.53 -19.90	23.47 0.37 -18.04	21.09 0.36 -15.61	20.86 0.31 -16.18	23.36 0.35 -17.91	25.81 0.35 -20.34	31.55 0.53 -24.05	30.51 0.78 -19.73	28.79 1.25 -12.72	24.56 0.96 -12.76	27.37 1.00 -15.02	29.16 0.98 -17.08	29.20 0.75 -19.58	29.15 0.62 -21.03	30.10 0.60 -22.05	31.93 0.57 -24.29	35.85 0.77 -25.73	41.58 0.78 -31.53	42.42 1.00 -29.34	42.15 1.17 -26.17	47.00 1.51 -18.60	35.24 1.19 -16.03	31.48 1.17 -16.03	29.64 0.62 -21.15
HEWLETT__69_KV_BK3 55828	27.75 0.60 -19.90	23.46 0.42 -17.97	21.10 0.41 -15.57	20.87 0.35 -16.14	23.34 0.41 -17.83	25.79 0.41 -20.27	31.59 0.57 -24.05	30.58 0.85 -19.73	28.88 1.33 -12.72	24.63 1.03 -12.76	27.45 1.08 -15.02	29.21 1.03 -17.08	29.26 0.81 -19.58	29.21 0.68 -21.03	30.16 0.66 -22.05	31.99 0.62 -24.29	35.94 0.86 -25.73	41.62 0.82 -31.53	42.47 1.05 -29.34	42.23 1.24 -26.17	47.10 1.60 -18.60	35.30 1.25 -16.03	31.61 1.30 -16.03	29.73 0.71 -21.15
HICKLING___1 23621	11.50 0.33 -3.92	9.27 0.18 -4.01	8.94 0.20 -3.63	8.35 0.17 -3.81	9.06 0.18 -3.77	9.74 0.20 -4.42	12.47 0.26 -5.24	14.78 0.29 -4.49	19.08 0.31 -3.94	14.33 0.21 -3.29	14.26 0.24 -2.67	14.52 0.28 -3.14	12.96 0.22 -3.87	12.62 0.22 -4.89	12.62 0.20 -4.96	12.71 0.15 -5.48	15.21 0.22 -5.63	15.89 0.19 -6.43	18.03 0.25 -5.70	19.58 0.30 -4.47	22.78 0.37 -3.09	19.37 0.28 -3.64	16.87 0.24 -2.34	11.62 0.28 -3.46
HICKLING___2 23622	11.50 0.33 -3.92	9.27 0.18 -4.01	8.94 0.20 -3.63	8.35 0.17 -3.81	9.06 0.18 -3.77	9.74 0.20 -4.42	12.47 0.26 -5.24	14.78 0.29 -4.49	19.08 0.31 -3.94	14.33 0.21 -3.29	14.26 0.24 -2.67	14.52 0.28 -3.14	12.96 0.22 -3.87	12.62 0.22 -4.89	12.62 0.20 -4.96	12.71 0.15 -5.48	15.21 0.22 -5.63	15.89 0.19 -6.43	18.03 0.25 -5.70	19.58 0.30 -4.47	22.78 0.37 -3.09	19.37 0.28 -3.64	16.87 0.24 -2.34	11.62 0.28 -3.46
HIGH FALLS___HY 23754	21.92 0.41 -14.25	19.96 0.28 -14.60	18.58 0.27 -13.19	18.45 0.23 -13.85	19.07 0.26 -13.71	21.47 0.27 -16.09	26.35 0.33 -19.05	26.85 0.53 -16.32	26.08 0.86 -10.40	23.31 0.67 -11.80	21.66 0.74 -9.57	23.16 0.72 -11.34	23.37 0.54 -13.96	25.62 0.44 -17.68	25.86 0.42 -17.98	27.69 0.41 -20.20	30.72 0.57 -20.80	33.28 0.60 -23.40	33.62 0.80 -20.74	32.01 0.93 -16.27	31.75 1.20 -11.22	29.63 0.93 -13.26	23.65 0.84 -8.53	21.00 0.54 -12.60
HILLBURN___GT 23639	21.49 0.41 -13.83	19.53 0.29 -14.17	18.20 0.28 -12.80	18.05 0.24 -13.43	18.69 0.28 -13.30	21.00 0.28 -15.61	25.83 0.38 -18.48	26.40 0.57 -15.83	25.81 0.90 -10.09	23.00 0.72 -11.44	21.42 0.78 -9.28	22.91 0.77 -11.04	23.04 0.59 -13.59	25.21 0.48 -17.22	25.47 0.46 -17.56	27.29 0.44 -19.77	30.31 0.59 -20.37	32.58 0.60 -22.71	32.96 0.76 -20.12	31.47 0.87 -15.78	31.34 1.12 -10.89	29.19 0.88 -12.86	23.41 0.86 -8.27	20.59 0.50 -12.22
HILLSIDE_115KV_TB1 80332	11.46 0.19 -4.02	9.29 0.10 -4.12	8.96 0.12 -3.72	8.38 0.10 -3.91	9.08 0.10 -3.87	9.77 0.11 -4.54	12.47 0.13 -5.38	14.70 0.09 -4.61	18.57 -0.01 -3.76	14.16 -0.02 -3.34	14.05 -0.01 -2.71	14.32 0.03 -3.19	12.84 0.04 -3.93	12.53 0.05 -4.97	12.53 0.04 -5.04	12.72 0.02 -5.62	15.19 0.06 -5.78	15.89 0.02 -6.60	17.96 0.02 -5.85	19.43 0.03 -4.59	22.50 0.00 -3.17	19.17 -0.02 -3.74	16.67 -0.01 -2.41	11.58 0.16 -3.55
HISHELDN_WT_PWR 323625	10.17 0.06 -2.86	8.05 0.04 -2.93	7.84 0.07 -2.65	7.19 0.03 -2.78	7.88 0.02 -2.75	8.36 0.02 -3.23	10.76 0.02 -3.82	13.03 -0.25 -3.28	12.75 -0.64 1.43	12.77 -0.43 -2.37	12.83 -0.44 -1.92	12.95 -0.41 -2.26	11.39 -0.26 -2.78	10.85 -0.17 -3.52	10.81 -0.21 -3.57	10.86 -0.21 -3.99	13.20 -0.25 -4.10	13.60 -0.35 -4.68	15.84 -0.39 -4.15	17.61 -0.46 -3.26	20.84 -0.73 -2.25	17.52 -0.59 -2.66	15.51 -0.49 -1.71	10.40 0.00 -2.53
HOLTSVILLE_IC_1 23690	27.72 0.57 -19.90	23.83 0.41 -18.35	21.35 0.41 -15.82	21.11 0.35 -16.38	23.81 0.40 -18.30	26.26 0.40 -20.74	31.64 0.61 -24.05	30.62 0.89 -19.73	28.89 1.35 -12.72	24.63 1.03 -12.76	27.41 1.03 -15.02	29.19 1.01 -17.08	29.22 0.77 -19.58	29.15 0.62 -21.03	30.06 0.56 -22.05	31.88 0.52 -24.29	35.84 0.76 -25.73	41.58 0.79 -31.53	42.46 1.04 -29.34	42.24 1.26 -26.17	47.12 1.62 -26.17	35.36 1.31 -18.60	31.57 1.26 -16.03	29.68 0.65 -21.15
HOLTSVILLE_IC_10 23699	27.76 0.61 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.29	26.27 0.43 -20.73	31.68 0.66 -24.05	30.68 0.95 -19.73	28.98 1.44 -12.72	24.69 1.09 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.19 0.66 -21.03	30.10 0.60 -22.05	31.93 0.57 -24.29	35.90 0.82 -25.73	41.66 0.86 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.27 1.78 -26.17	35.49 1.44 -18.60	31.67 1.36 -16.03	29.72 0.69 -21.15
HOLTSVILLE_IC_2 23691	27.72 0.57 -19.90	23.83 0.41 -18.35	21.35 0.41 -15.82	21.11 0.35 -16.38	23.81 0.40 -18.30	26.26 0.40 -20.74	31.64 0.61 -24.05	30.62 0.89 -19.73	28.89 1.35 -12.72	24.63 1.03 -12.76	27.41 1.03 -15.02	29.19 1.01 -17.08	29.22 0.77 -19.58	29.15 0.62 -21.03	30.06 0.56 -22.05	31.88 0.52 -24.29	35.84 0.76 -25.73	41.58 0.79 -31.53	42.46 1.04 -29.34	42.24 1.26 -26.17	47.12 1.62 -26.17	35.36 1.31 -18.60	31.57 1.26 -16.03	29.68 0.65 -21.15
HOLTSVILLE_IC_3 23692	27.72 0.57 -19.90	23.83 0.41 -18.35	21.35 0.41 -15.82	21.11 0.35 -16.38	23.81 0.40 -18.30	26.26 0.40 -20.74	31.64 0.61 -24.05	30.62 0.89 -19.73	28.89 1.35 -12.72	24.63 1.03 -12.76	27.41 1.03 -15.02	29.19 1.01 -17.08	29.22 0.77 -19.58	29.15 0.62 -21.03	30.06 0.56 -22.05	31.88 0.52 -24.29	35.84 0.76 -25.73	41.58 0.79 -31.53	42.46 1.04 -29.34	42.24 1.26 -26.17	47.12 1.62 -26.17	35.36 1.31 -18.60	31.57 1.26 -16.03	29.68 0.65 -21.15

HOLTSVILLE_IC_4 23693	27.72 0.57 -19.90	23.83 0.41 -18.35	21.35 0.41 -15.82	21.11 0.35 -16.38	23.81 0.40 -18.30	26.26 0.40 -20.74	31.64 0.61 -24.05	30.62 0.89 -19.73	28.89 1.35 -12.72	24.63 1.03 -12.76	27.41 1.03 -15.02	29.19 1.01 -17.08	29.22 0.77 -19.58	29.15 0.62 -21.03	30.06 0.56 -22.05	31.88 0.52 -24.29	35.84 0.76 -25.73	41.58 0.79 -31.53	42.46 1.04 -29.34	42.24 1.26 -26.17	47.12 1.62 -26.17	35.36 1.31 -18.60	31.57 1.26 -16.03	29.68 0.65 -21.15
HOLTSVILLE_IC_5 23694	27.72 0.57 -19.90	23.83 0.41 -18.35	21.35 0.41 -15.82	21.11 0.35 -16.38	23.81 0.40 -18.30	26.26 0.40 -20.74	31.64 0.61 -24.05	30.62 0.89 -19.73	28.89 1.35 -12.72	24.63 1.03 -12.76	27.41 1.03 -15.02	29.19 1.01 -17.08	29.22 0.77 -19.58	29.15 0.62 -21.03	30.06 0.56 -22.05	31.88 0.52 -24.29	35.84 0.76 -25.73	41.58 0.79 -31.53	42.46 1.04 -29.34	42.24 1.26 -26.17	47.12 1.62 -26.17	35.36 1.31 -18.60	31.57 1.26 -16.03	29.68 0.65 -21.15
HOLTSVILLE_IC_6 23695	27.76 0.61 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.29	26.27 0.43 -20.73	31.68 0.66 -24.05	30.68 0.95 -19.73	28.98 1.44 -12.72	24.69 1.09 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.19 0.66 -21.03	30.10 0.60 -22.05	31.93 0.57 -24.29	35.90 0.82 -25.73	41.66 0.86 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.27 1.78 -26.17	35.49 1.44 -18.60	31.67 1.36 -16.03	29.72 0.69 -21.15
HOLTSVILLE_IC_7 23696	27.76 0.61 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.29	26.27 0.43 -20.73	31.68 0.66 -24.05	30.68 0.95 -19.73	28.98 1.44 -12.72	24.69 1.09 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.19 0.66 -21.03	30.10 0.60 -22.05	31.93 0.57 -24.29	35.90 0.82 -25.73	41.66 0.86 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.27 1.78 -26.17	35.49 1.44 -18.60	31.67 1.36 -16.03	29.72 0.69 -21.15
HOLTSVILLE_IC_8 23697	27.76 0.61 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.29	26.27 0.43 -20.73	31.68 0.66 -24.05	30.68 0.95 -19.73	28.98 1.44 -12.72	24.69 1.09 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.19 0.66 -21.03	30.10 0.60 -22.05	31.93 0.57 -24.29	35.90 0.82 -25.73	41.66 0.86 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.27 1.78 -26.17	35.49 1.44 -18.60	31.67 1.36 -16.03	29.72 0.69 -21.15
HOLTSVILLE_IC_9 23698	27.76 0.61 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.29	26.27 0.43 -20.73	31.68 0.66 -24.05	30.68 0.95 -19.73	28.98 1.44 -12.72	24.69 1.09 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.19 0.66 -21.03	30.10 0.60 -22.05	31.93 0.57 -24.29	35.90 0.82 -25.73	41.66 0.86 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.27 1.78 -26.17	35.49 1.44 -18.60	31.67 1.36 -16.03	29.72 0.69 -21.15
HOMER_HL_115KV_TB2 355744	10.25 0.01 -2.99	8.13 -0.01 -3.07	7.92 0.03 -2.77	7.29 0.01 -2.91	7.98 -0.01 -2.88	8.49 0.00 -3.38	10.90 -0.08 -4.00	13.16 -0.27 -3.43	16.18 -0.64 -2.00	12.86 -0.46 -2.48	12.90 -0.47 -2.01	13.07 -0.40 -2.37	11.51 -0.27 -2.92	11.00 -0.19 -3.69	10.97 -0.22 -3.74	11.03 -0.23 -4.19	13.38 -0.27 -4.31	13.83 -0.35 -4.91	16.04 -0.39 -4.35	17.74 -0.47 -3.41	20.95 -0.73 -2.35	17.61 -0.62 -2.78	15.55 -0.51 -1.79	10.48 -0.03 -2.64
HOWARD_WT_PWR 323690	10.93 0.29 -3.38	8.71 0.17 -3.47	8.44 0.19 -3.13	7.80 0.14 -3.29	8.52 0.15 -3.26	9.10 0.16 -3.82	11.69 0.19 -4.52	14.04 0.16 -3.87	21.74 0.00 -6.92	13.65 0.01 -2.80	13.65 0.02 -2.27	13.79 0.01 -2.68	12.20 0.04 -3.30	11.74 0.07 -4.17	11.73 0.05 -4.23	11.86 0.05 -4.73	14.31 0.09 -4.87	14.86 0.04 -5.56	17.10 0.10 -4.93	18.82 0.15 -3.86	22.15 0.15 -2.67	18.71 0.11 -3.15	16.39 0.09 -2.02	11.12 0.26 -2.99
HQ_GEN_CEDARS 23644	7.02 -0.23 0.00	4.93 -0.14 0.00	4.96 -0.16 0.00	4.24 -0.14 0.00	4.97 -0.14 0.00	4.96 -0.15 0.00	6.77 -0.20 0.00	9.75 -0.25 0.00	14.50 -0.33 0.00	10.59 -0.25 0.00	11.04 -0.32 0.00	10.77 -0.33 0.00	8.60 -0.27 0.00	7.24 -0.26 0.00	7.22 -0.23 0.00	6.87 -0.21 0.00	9.08 -0.27 0.00	9.04 -0.23 0.00	11.78 -0.30 0.00	14.47 -0.34 0.00	18.87 -0.46 0.00	15.11 -0.34 0.00	14.00 -0.29 0.00	7.67 -0.20 0.00
HQ_GEN_CEDARS_PROXY 323590	7.02 -0.23 0.00	4.93 -0.15 0.00	4.95 -0.16 0.00	4.24 -0.14 0.00	4.97 -0.14 0.00	4.97 -0.14 0.00	6.77 -0.20 0.00	9.75 -0.25 0.00	14.50 -0.33 0.00	10.59 -0.25 0.00	11.04 -0.32 0.00	10.77 -0.33 0.00	8.61 -0.26 0.00	7.24 -0.26 0.00	7.22 -0.23 0.00	6.87 -0.21 0.00	9.08 -0.27 0.00	9.04 -0.23 0.00	11.78 -0.30 0.00	14.47 -0.34 0.00	18.87 -0.46 0.00	15.11 -0.34 0.00	14.00 -0.29 0.00	7.67 -0.20 0.00
HQ_GEN_IMPORT 323601	7.07 -0.18 0.00	4.96 -0.11 0.00	5.00 -0.12 0.00	4.28 -0.10 0.00	5.00 -0.11 0.00	5.00 -0.11 0.00	6.81 -0.16 0.00	9.80 -0.20 0.00	14.54 -0.28 0.00	10.64 -0.21 0.00	11.13 -0.23 0.00	10.87 -0.23 0.00	8.68 -0.19 0.00	7.33 -0.17 0.00	7.30 -0.16 0.00	6.94 -0.14 0.00	9.16 -0.19 0.00	9.10 -0.17 0.00	11.86 -0.22 0.00	14.54 -0.27 0.00	18.96 -0.37 0.00	15.17 -0.28 0.00	14.03 -0.26 0.00	7.69 -0.18 0.00
HQ_GEN_WHEEL 23651	7.07 -0.18 0.00	4.96 -0.11 0.00	5.00 -0.12 0.00	4.28 -0.10 0.00	5.00 -0.11 0.00	5.00 -0.11 0.00	6.81 -0.16 0.00	9.80 -0.20 0.00	14.54 -0.28 0.00	10.64 -0.21 0.00	11.13 -0.23 0.00	10.87 -0.23 0.00	8.68 -0.19 0.00	7.33 -0.17 0.00	7.30 -0.16 0.00	6.94 -0.14 0.00	9.16 -0.19 0.00	9.10 -0.17 0.00	11.86 -0.22 0.00	14.54 -0.27 0.00	18.96 -0.37 0.00	15.17 -0.28 0.00	14.03 -0.26 0.00	7.69 -0.18 0.00
HUDSON_AVE_GT_3 23810	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.45 -19.45	27.35 0.68 -16.67	26.57 1.13 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.65 0.92 -11.63	23.90 0.72 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.55 0.73 -21.47	33.93 0.75 -23.91	34.21 0.94 -21.19	32.51 1.08 -16.61	32.19 1.39 -11.46	30.07 1.08 -13.54	24.06 1.07 -8.71	21.31 0.57 -12.87
HUDSON_AVE_GT_4 23540	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.45 -19.45	27.35 0.68 -16.67	26.57 1.13 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.65 0.92 -11.63	23.90 0.72 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.55 0.73 -21.47	33.93 0.75 -23.91	34.21 0.94 -21.19	32.51 1.08 -16.61	32.19 1.39 -11.46	30.07 1.08 -13.54	24.06 1.07 -8.71	21.31 0.57 -12.87
HUDSON_AVE_GT_5 23657	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.45 -19.45	27.35 0.68 -16.67	26.57 1.13 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.65 0.92 -11.63	23.90 0.72 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.55 0.73 -21.47	33.93 0.75 -23.91	34.21 0.94 -21.19	32.51 1.08 -16.61	32.19 1.39 -11.46	30.07 1.08 -13.54	24.06 1.07 -8.71	21.31 0.57 -12.87

HUDSON_AVE_10 24168	22.25 0.44 -14.56	20.29 0.30 -14.92	18.89 0.30 -13.48	18.77 0.25 -14.14	19.40 0.29 -14.00	21.84 0.29 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.46 1.04 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
HUDSON___115KV_TB 4 355613	25.03 0.27 -17.52	23.21 0.19 -17.95	21.52 0.18 -16.21	21.55 0.16 -17.02	22.15 0.19 -16.85	25.07 0.18 -19.77	30.60 0.22 -23.41	30.37 0.31 -20.06	28.05 0.44 -12.78	25.63 0.29 -14.50	23.42 0.31 -11.76	25.15 0.28 -13.77	26.12 0.27 -16.98	29.20 0.23 -21.46	29.39 0.25 -21.69	31.52 0.25 -24.19	34.55 0.36 -24.85	38.34 0.33 -28.74	38.05 0.47 -25.50	35.40 0.59 -19.99	33.90 0.77 -13.80	32.38 0.63 -16.30	25.29 0.53 -10.48	23.66 0.30 -15.48
HUNTER MOUNT___DRP 323613	24.47 0.25 -16.97	22.63 0.17 -17.39	20.99 0.16 -15.71	21.00 0.14 -16.49	21.60 0.17 -16.32	24.44 0.17 -19.16	29.83 0.17 -22.68	29.69 0.26 -19.43	27.56 0.36 -12.38	25.12 0.23 -14.05	22.98 0.24 -11.39	24.67 0.20 -13.37	25.57 0.22 -16.48	28.55 0.20 -20.84	28.76 0.22 -21.09	30.87 0.24 -23.55	33.89 0.34 -24.20	37.43 0.32 -27.85	37.24 0.46 -24.70	34.76 0.58 -19.37	33.47 0.77 -13.37	31.89 0.65 -15.79	24.92 0.49 -10.15	23.17 0.30 -15.00
HUNTINGTON_RES_REC 323705	27.76 0.61 -19.90	23.84 0.43 -18.34	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.41 -18.29	26.26 0.42 -20.73	31.66 0.64 -24.05	30.67 0.94 -19.73	29.00 1.45 -12.72	24.69 1.09 -12.76	27.50 1.12 -15.02	29.27 1.09 -17.08	29.29 0.84 -19.58	29.22 0.69 -21.03	30.15 0.65 -22.05	31.97 0.60 -24.29	35.94 0.86 -25.73	41.68 0.88 -31.53	42.57 1.15 -29.34	42.34 1.36 -26.17	47.25 1.76 -26.17	35.45 1.41 -18.60	31.64 1.33 -16.03	29.73 0.71 -21.15
HUNTLEY___63 23557	9.79 0.01 -2.52	7.67 0.01 -2.58	7.52 0.07 -2.33	6.87 0.04 -2.45	7.57 0.04 -2.43	7.98 0.02 -2.85	10.25 -0.08 -3.36	12.47 -0.39 -2.86	14.81 -0.71 -0.70	12.29 -0.62 -2.06	12.41 -0.64 -1.69	12.54 -0.54 -1.99	10.94 -0.37 -2.44	10.35 -0.24 -3.09	10.30 -0.28 -3.13	10.32 -0.28 -3.51	12.59 -0.36 -3.61	12.89 -0.50 -4.12	15.17 -0.57 -3.66	17.00 -0.68 -2.87	20.25 -1.06 -1.98	16.97 -0.82 -2.34	15.13 -0.66 -1.51	10.07 -0.03 -2.23
HUNTLEY___64 23558	9.79 0.01 -2.52	7.67 0.01 -2.58	7.52 0.07 -2.33	6.87 0.04 -2.45	7.57 0.04 -2.43	7.98 0.02 -2.85	10.25 -0.08 -3.36	12.47 -0.39 -2.86	14.81 -0.71 -0.70	12.29 -0.62 -2.06	12.41 -0.64 -1.69	12.54 -0.54 -1.99	10.94 -0.37 -2.44	10.35 -0.24 -3.09	10.30 -0.28 -3.13	10.32 -0.27 -3.51	12.59 -0.36 -3.61	12.89 -0.50 -4.12	15.17 -0.57 -3.66	17.00 -0.68 -2.87	20.25 -1.06 -1.98	16.97 -0.82 -2.34	15.13 -0.66 -1.51	10.07 -0.03 -2.23
HUNTLEY___65 23559	9.79 0.01 -2.52	7.67 0.01 -2.58	7.52 0.07 -2.33	6.87 0.04 -2.45	7.57 0.04 -2.43	7.98 0.02 -2.85	10.25 -0.08 -3.36	12.47 -0.39 -2.86	14.81 -0.71 -0.70	12.29 -0.62 -2.06	12.41 -0.64 -1.69	12.54 -0.54 -1.99	10.94 -0.37 -2.44	10.35 -0.24 -3.09	10.30 -0.28 -3.13	10.32 -0.27 -3.51	12.59 -0.36 -3.61	12.89 -0.50 -4.12	15.17 -0.57 -3.66	17.00 -0.68 -2.87	20.25 -1.06 -1.98	16.97 -0.82 -2.34	15.13 -0.66 -1.51	10.07 -0.03 -2.23
HUNTLEY___66 23560	9.79 0.01 -2.52	7.67 0.01 -2.58	7.52 0.07 -2.33	6.87 0.04 -2.45	7.57 0.04 -2.43	7.98 0.02 -2.85	10.25 -0.08 -3.36	12.47 -0.39 -2.86	14.81 -0.71 -0.70	12.29 -0.62 -2.06	12.41 -0.64 -1.69	12.54 -0.54 -1.99	10.94 -0.37 -2.44	10.35 -0.24 -3.09	10.30 -0.28 -3.13	10.32 -0.27 -3.51	12.59 -0.36 -3.61	12.89 -0.50 -4.12	15.17 -0.57 -3.66	17.00 -0.68 -2.87	20.25 -1.06 -1.98	16.97 -0.82 -2.34	15.13 -0.66 -1.51	10.07 -0.03 -2.23
HUNTLEY___67 23561	9.82 0.01 -2.56	7.70 -0.01 -2.63	7.54 0.05 -2.37	6.89 0.03 -2.49	7.59 0.02 -2.47	8.02 0.01 -2.89	10.32 -0.08 -3.42	12.60 -0.34 -2.93	14.60 -0.80 -0.58	12.41 -0.55 -2.12	12.49 -0.58 -1.72	12.63 -0.49 -2.02	11.03 -0.34 -2.49	10.42 -0.23 -3.15	10.37 -0.28 -3.20	10.39 -0.27 -3.58	12.68 -0.35 -3.68	13.00 -0.47 -4.21	15.27 -0.54 -3.73	17.06 -0.68 -2.93	20.29 -1.06 -2.02	17.02 -0.82 -2.39	15.15 -0.67 -1.53	10.08 -0.06 -2.27
HUNTLEY___68 23562	9.82 0.01 -2.56	7.70 -0.01 -2.63	7.54 0.05 -2.37	6.89 0.03 -2.49	7.59 0.02 -2.47	8.02 0.01 -2.89	10.32 -0.08 -3.42	12.60 -0.34 -2.93	14.60 -0.80 -0.58	12.41 -0.55 -2.12	12.49 -0.58 -1.72	12.63 -0.49 -2.02	11.03 -0.34 -2.49	10.42 -0.23 -3.15	10.37 -0.28 -3.20	10.39 -0.27 -3.58	12.68 -0.35 -3.68	13.00 -0.47 -4.21	15.27 -0.54 -3.73	17.06 -0.68 -2.93	20.29 -1.06 -2.02	17.02 -0.82 -2.39	15.15 -0.67 -1.53	10.08 -0.06 -2.27
HYLAND___LFGE 323620	10.48 0.43 -2.80	8.20 0.26 -2.87	8.00 0.29 -2.59	7.32 0.23 -2.72	8.06 0.26 -2.69	8.56 0.29 -3.16	11.10 0.39 -3.74	13.59 0.38 -3.20	21.78 0.16 -6.80	13.31 0.15 -2.32	13.34 0.11 -1.87	13.39 0.08 -2.21	11.56 -0.04 -2.72	10.92 -0.02 -3.44	10.91 -0.03 -3.49	10.97 -0.01 -3.90	13.41 0.05 -4.02	13.96 0.11 -4.58	16.46 0.31 -4.06	18.50 0.50 -3.19	22.19 0.66 -2.20	18.62 0.57 -2.60	16.46 0.50 -1.67	10.77 0.42 -2.47
INDECK___CORINTH 23802	26.33 0.27 -18.81	24.53 0.18 -19.28	22.72 0.18 -17.42	22.81 0.16 -18.28	23.40 0.19 -18.10	26.55 0.19 -21.24	32.42 0.30 -25.14	31.94 0.40 -21.54	29.14 0.59 -13.73	26.83 0.42 -15.57	24.42 0.43 -12.63	26.32 0.47 -14.75	27.47 0.40 -18.20	30.90 0.40 -23.00	31.06 0.40 -23.21	33.30 0.38 -25.84	36.29 0.40 -26.54	40.50 0.37 -30.86	39.91 0.45 -27.39	36.75 0.46 -21.48	34.92 0.77 -14.82	33.57 0.62 -17.51	26.07 0.53 -11.26	24.80 0.30 -16.63
INDECK___ILION 23567	7.29 0.04 0.00	5.09 0.02 0.00	5.13 0.02 0.00	4.39 0.01 0.00	5.12 0.02 0.00	5.14 0.03 0.00	6.99 0.02 0.00	10.03 0.03 0.00	14.85 0.03 0.00	10.85 0.01 0.00	11.35 0.00 0.00	11.13 0.03 0.00	8.87 0.00 0.00	7.50 0.00 0.00	7.45 0.00 0.00	7.06 -0.02 0.00	9.33 -0.02 0.00	9.24 -0.02 0.00	12.05 -0.03 0.00	14.78 -0.02 0.00	19.33 0.00 0.00	15.46 0.02 0.00	14.30 0.01 0.00	7.91 0.04 0.00
INDECK___OLEAN 23982	10.25 0.01 -2.99	8.15 0.01 -3.07	7.93 0.04 -2.77	7.29 0.01 -2.91	7.98 -0.01 -2.88	8.49 -0.01 -3.38	10.89 -0.08 -4.00	13.16 -0.27 -3.42	16.14 -0.68 -2.00	12.86 -0.45 -2.47	12.90 -0.47 -2.01	13.02 -0.44 -2.37	11.49 -0.30 -2.92	11.01 -0.19 -3.69	10.97 -0.22 -3.74	11.03 -0.23 -4.18	13.38 -0.27 -4.30	13.83 -0.35 -4.91	16.05 -0.39 -4.36	17.75 -0.47 -3.42	20.93 -0.75 -2.36	17.62 -0.62 -2.79	15.56 -0.51 -1.79	10.49 -0.03 -2.64
INDECK___OSWEGO 23783	8.59 -0.07 -1.41	6.44 -0.08 -1.44	6.35 -0.07 -1.30	5.67 -0.07 -1.37	6.38 -0.08 -1.35	6.63 -0.07 -1.59	8.76 -0.10 -1.88	11.45 -0.17 -1.61	15.52 -0.33 -1.03	11.77 -0.24 -1.17	12.06 -0.24 -0.95	11.99 -0.22 -1.11	10.06 -0.19 -1.37	9.10 -0.14 -1.74	9.05 -0.16 -1.76	8.89 -0.16 -1.97	11.18 -0.20 -2.02	11.36 -0.22 -2.31	13.85 -0.28 -2.05	16.09 -0.33 -1.61	20.03 -0.41 -1.11	16.45 -0.31 -1.31	14.81 -0.31 -0.84	9.01 -0.11 -1.24



INDECK___YERKES 23781	9.79 0.02 -2.52	7.71 0.05 -2.58	7.54 0.09 -2.33	6.87 0.05 -2.45	7.57 0.04 -2.43	7.98 0.02 -2.85	10.26 -0.08 -3.36	12.46 -0.40 -2.86	14.74 -0.79 -0.71	12.29 -0.62 -2.07	12.41 -0.64 -1.69	12.47 -0.61 -1.99	10.91 -0.41 -2.44	10.36 -0.23 -3.09	10.32 -0.27 -3.13	10.32 -0.26 -3.51	12.60 -0.36 -3.61	12.89 -0.49 -4.12	15.16 -0.57 -3.65	17.01 -0.67 -2.86	20.26 -1.04 -1.98	16.96 -0.82 -2.34	15.15 -0.64 -1.51	10.08 -0.02 -2.23
INDIAN POINT_GT_1 24139	22.23 0.41 -14.57	20.28 0.28 -14.93	18.88 0.28 -13.48	18.77 0.24 -14.15	19.40 0.28 -14.01	21.84 0.28 -16.45	26.85 0.41 -19.47	27.28 0.60 -16.68	26.41 0.96 -10.63	23.65 0.75 -12.06	21.95 0.82 -9.78	23.53 0.79 -11.64	23.80 0.61 -14.32	26.17 0.52 -18.15	26.46 0.50 -18.51	28.40 0.47 -20.85	31.48 0.65 -21.49	33.86 0.66 -23.93	34.10 0.82 -21.20	32.41 0.98 -16.63	32.04 1.24 -11.47	29.97 0.97 -13.55	23.93 0.93 -8.71	21.24 0.49 -12.87
INDIAN POINT_GT_2 23659	22.23 0.41 -14.57	20.28 0.28 -14.93	18.88 0.28 -13.48	18.77 0.24 -14.15	19.40 0.28 -14.01	21.84 0.28 -16.45	26.85 0.41 -19.47	27.28 0.60 -16.68	26.41 0.96 -10.63	23.65 0.75 -12.06	21.95 0.82 -9.78	23.53 0.79 -11.64	23.80 0.61 -14.32	26.17 0.52 -18.15	26.46 0.50 -18.51	28.40 0.47 -20.85	31.48 0.65 -21.49	33.86 0.66 -23.93	34.10 0.82 -21.20	32.41 0.98 -16.63	32.04 1.24 -11.47	29.97 0.97 -13.55	23.93 0.93 -8.71	21.24 0.49 -12.87
INDIAN POINT_GT_3 24019	22.23 0.41 -14.57	20.28 0.28 -14.93	18.88 0.28 -13.48	18.77 0.24 -14.15	19.40 0.28 -14.01	21.84 0.28 -16.45	26.85 0.41 -19.47	27.28 0.60 -16.68	26.41 0.96 -10.63	23.65 0.75 -12.06	21.95 0.82 -9.78	23.53 0.79 -11.64	23.80 0.61 -14.32	26.17 0.52 -18.15	26.46 0.50 -18.51	28.40 0.47 -20.85	31.48 0.65 -21.49	33.86 0.66 -23.93	34.10 0.82 -21.20	32.41 0.98 -16.63	32.04 1.24 -11.47	29.97 0.97 -13.55	23.93 0.93 -8.71	21.24 0.49 -12.87
INDIAN POINT___2 23530	21.84 0.41 -14.18	19.89 0.28 -14.53	18.52 0.28 -13.13	18.39 0.24 -13.78	19.02 0.27 -13.64	21.40 0.28 -16.01	26.32 0.40 -18.95	26.83 0.59 -16.23	26.12 0.95 -10.35	23.31 0.74 -11.73	21.67 0.79 -9.52	23.20 0.78 -11.33	23.40 0.59 -13.94	25.66 0.49 -17.67	25.94 0.48 -18.01	27.81 0.45 -20.28	30.86 0.61 -20.90	33.18 0.62 -23.29	33.50 0.78 -20.64	31.90 0.90 -16.18	31.66 1.16 -11.17	29.55 0.91 -13.19	23.65 0.89 -8.48	20.89 0.49 -12.53
INDIAN POINT___3 23531	22.07 0.41 -14.42	20.12 0.28 -14.77	18.74 0.28 -13.35	18.62 0.24 -14.01	19.25 0.27 -13.87	21.66 0.28 -16.28	26.64 0.40 -19.27	27.10 0.59 -16.50	26.29 0.95 -10.52	23.51 0.74 -11.93	21.83 0.79 -9.68	23.38 0.77 -11.52	23.64 0.59 -14.17	25.95 0.49 -17.96	26.24 0.47 -18.32	28.15 0.45 -20.63	31.22 0.61 -21.26	33.56 0.61 -23.68	33.83 0.77 -20.98	32.17 0.90 -16.45	31.84 1.16 -11.35	29.77 0.91 -13.41	23.79 0.89 -8.62	21.10 0.49 -12.74
INGHAM_C_115KV_TB7 356103	7.27 0.02 0.00	5.06 -0.01 0.00	5.11 -0.01 0.00	4.37 0.00 0.00	5.11 0.00 0.00	5.12 0.01 0.00	6.97 -0.01 0.00	9.99 -0.01 0.00	14.75 -0.07 0.00	10.77 -0.08 0.00	11.28 -0.08 0.00	11.08 -0.02 0.00	8.78 -0.09 0.00	7.43 -0.08 0.00	7.39 -0.07 0.00	6.97 -0.11 0.00	9.22 -0.13 0.00	9.13 -0.14 0.00	11.92 -0.16 0.00	14.63 -0.18 0.00	19.14 -0.19 0.00	15.34 -0.11 0.00	14.20 -0.09 0.00	7.88 0.01 0.00
IP CORINTH___1 23988	26.37 0.30 -18.81	24.55 0.20 -19.28	22.74 0.21 -17.42	22.83 0.18 -18.28	23.42 0.21 -18.10	26.57 0.22 -21.24	32.45 0.33 -25.14	32.01 0.46 -21.54	29.23 0.68 -13.73	26.89 0.48 -15.57	24.48 0.50 -12.63	26.35 0.50 -14.75	27.52 0.45 -18.20	30.93 0.44 -23.00	31.10 0.44 -23.21	33.34 0.42 -25.84	36.34 0.46 -26.54	40.55 0.43 -30.86	39.98 0.52 -27.39	36.83 0.55 -21.48	35.04 0.89 -14.82	33.65 0.70 -17.51	26.15 0.61 -11.26	24.85 0.35 -16.63
IP___TICONDEROGA 23804	26.64 0.60 -18.79	24.73 0.41 -19.25	22.93 0.42 -17.39	22.99 0.36 -18.25	23.61 0.43 -18.07	26.77 0.44 -21.21	32.73 0.65 -25.10	32.41 0.90 -21.51	29.86 1.33 -13.71	27.33 0.94 -15.55	24.95 0.99 -12.61	26.84 1.01 -14.73	27.93 0.89 -18.17	31.32 0.86 -22.96	31.48 0.86 -23.16	33.70 0.84 -25.79	36.80 0.97 -26.48	40.99 0.91 -30.81	40.56 1.14 -27.34	37.54 1.29 -21.44	35.98 1.86 -14.80	34.41 1.48 -17.48	26.81 1.29 -11.24	25.17 0.69 -16.61
ISLIP_RES_REC 323679	27.78 0.63 -19.90	23.86 0.45 -18.34	21.39 0.45 -15.82	21.13 0.38 -16.38	23.83 0.43 -18.29	26.29 0.44 -20.73	31.70 0.68 -24.05	30.73 1.00 -19.73	29.06 1.51 -12.72	24.74 1.14 -12.76	27.52 1.15 -15.02	29.29 1.11 -17.08	29.31 0.86 -19.58	29.22 0.69 -21.03	30.14 0.64 -22.05	31.97 0.60 -24.29	35.96 0.88 -25.73	41.71 0.92 -31.53	42.63 1.21 -29.34	42.45 1.47 -26.17	47.39 1.90 -26.17	35.58 1.53 -18.60	31.74 1.43 -16.03	29.75 0.72 -21.15
JAMAICA__27_KV_LOAD 355505	22.25 0.44 -14.56	20.29 0.30 -14.92	18.89 0.30 -13.48	18.77 0.25 -14.14	19.40 0.29 -14.00	21.85 0.30 -16.43	26.89 0.47 -19.45	27.39 0.72 -16.67	26.64 1.20 -10.62	23.83 0.94 -12.05	22.08 0.95 -9.77	23.65 0.92 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.56 0.74 -21.47	33.92 0.74 -23.91	34.20 0.93 -21.19	32.49 1.07 -16.61	32.22 1.43 -11.46	30.07 1.08 -13.54	24.12 1.13 -8.71	21.33 0.59 -12.87
JANIS___SOLAR 323808	11.47 0.46 -3.77	9.17 0.23 -3.86	8.85 0.25 -3.49	8.23 0.20 -3.66	8.96 0.23 -3.62	9.63 0.26 -4.25	12.40 0.39 -5.03	14.80 0.49 -4.31	18.63 0.61 -3.21	14.26 0.30 -3.12	14.18 0.29 -2.53	14.39 0.31 -2.98	12.79 0.25 -3.67	12.38 0.23 -4.65	12.39 0.23 -4.71	12.55 0.21 -5.27	15.09 0.33 -5.42	15.83 0.37 -6.19	18.10 0.53 -5.49	19.81 0.70 -4.30	23.34 1.04 -2.97	19.76 0.80 -3.51	17.22 0.69 -2.25	11.66 0.46 -3.33
JARVIS____ 23743	7.29 0.04 0.00	5.09 0.02 0.00	5.14 0.02 0.00	4.39 0.01 0.00	5.12 0.02 0.00	5.13 0.02 0.00	7.00 0.03 0.00	10.03 0.03 0.00	14.87 0.04 0.00	10.87 0.03 0.00	11.38 0.02 0.00	11.12 0.02 0.00	8.89 0.02 0.00	7.53 0.02 0.00	7.47 0.01 0.00	7.09 0.01 0.00	9.37 0.02 0.00	9.29 0.02 0.00	12.10 0.02 0.00	14.84 0.03 0.00	19.37 0.04 0.00	15.49 0.05 0.00	14.31 0.03 0.00	7.90 0.03 0.00
JENNISON___1 23625	12.18 0.54 -4.38	9.84 0.27 -4.49	9.47 0.29 -4.06	8.87 0.24 -4.26	9.61 0.28 -4.22	10.37 0.31 -4.95	13.30 0.47 -5.86	15.65 0.63 -5.02	19.21 0.87 -3.52	14.96 0.49 -3.63	14.81 0.51 -2.94	15.15 0.59 -3.47	13.59 0.45 -4.27	13.30 0.40 -5.40	13.32 0.39 -5.48	13.55 0.34 -6.13	16.15 0.50 -6.30	16.96 0.50 -7.19	19.13 0.68 -6.38	20.66 0.84 -5.00	24.00 1.22 -3.45	20.48 0.96 -4.08	17.73 0.83 -2.62	12.29 0.54 -3.87
JENNISON___2 23626	12.18 0.54 -4.38	9.84 0.27 -4.49	9.47 0.29 -4.06	8.87 0.24 -4.26	9.61 0.28 -4.22	10.37 0.31 -4.95	13.30 0.47 -5.86	15.65 0.63 -5.02	19.21 0.87 -3.52	14.96 0.49 -3.63	14.81 0.51 -2.94	15.15 0.59 -3.47	13.59 0.45 -4.27	13.30 0.40 -5.40	13.32 0.39 -5.48	13.55 0.34 -6.13	16.15 0.50 -6.30	16.96 0.50 -7.19	19.13 0.68 -6.38	20.66 0.84 -5.00	24.00 1.22 -3.45	20.48 0.96 -4.08	17.73 0.83 -2.62	12.29 0.54 -3.87

JERICO_RISE_WT_PWR 323719	6.89 -0.36 0.00	4.81 -0.26 0.00	4.82 -0.30 0.00	4.13 -0.24 0.00	4.86 -0.25 0.00	4.89 -0.22 0.00	6.74 -0.24 0.00	9.74 -0.26 0.00	14.52 -0.30 0.00	10.68 -0.16 0.00	11.13 -0.23 0.00	10.77 -0.33 0.00	8.60 -0.27 0.00	7.22 -0.29 0.00	7.24 -0.21 0.00	6.94 -0.14 0.00	9.15 -0.20 0.00	9.18 -0.09 0.00	11.98 -0.10 0.00	14.72 -0.09 0.00	19.16 -0.17 0.00	15.28 -0.17 0.00	14.11 -0.17 0.00	7.68 -0.19 0.00
KATONAH__115KV_46KV_TB4 355592	22.42 0.43 -14.74	20.47 0.29 -15.11	19.06 0.29 -13.65	18.96 0.26 -14.32	19.58 0.29 -14.18	22.05 0.30 -16.64	27.13 0.45 -19.70	27.51 0.63 -16.88	26.59 1.01 -10.76	23.81 0.77 -12.20	22.11 0.86 -9.90	23.70 0.82 -11.78	24.03 0.67 -14.49	26.44 0.57 -18.37	26.73 0.55 -18.73	28.70 0.53 -21.09	31.80 0.72 -21.74	34.22 0.73 -24.22	34.44 0.91 -21.46	32.72 1.08 -16.83	32.31 1.37 -11.61	30.23 1.07 -13.72	24.07 0.97 -8.82	21.41 0.50 -13.03
KCE_NY_1 323755	26.38 0.38 -18.74	24.54 0.26 -19.21	22.74 0.27 -17.35	22.82 0.23 -18.21	23.41 0.27 -18.03	26.55 0.27 -21.16	32.41 0.39 -25.05	31.99 0.53 -21.46	29.27 0.77 -13.68	26.91 0.55 -15.51	24.51 0.57 -12.58	26.38 0.59 -14.69	27.48 0.49 -18.12	30.85 0.45 -22.90	31.01 0.45 -23.10	33.23 0.43 -25.72	36.30 0.54 -26.41	40.52 0.51 -30.74	40.03 0.66 -27.28	36.99 0.78 -21.40	35.18 1.08 -14.77	33.75 0.86 -17.44	26.27 0.77 -11.21	24.86 0.42 -16.57
KCE_NY_6_ESR 323823	9.98 0.05 -2.68	7.88 0.06 -2.75	7.69 0.09 -2.48	7.03 0.05 -2.60	7.73 0.05 -2.58	8.17 0.04 -3.03	10.53 -0.03 -3.58	12.81 -0.26 -3.06	14.70 -0.71 -0.59	12.60 -0.45 -2.21	12.67 -0.48 -1.79	12.77 -0.44 -2.11	11.20 -0.28 -2.60	10.64 -0.16 -3.29	10.59 -0.20 -3.34	10.62 -0.20 -3.73	12.93 -0.26 -3.84	13.26 -0.39 -4.38	15.53 -0.43 -3.89	17.33 -0.53 -3.05	20.58 -0.85 -2.10	17.27 -0.66 -2.49	15.36 -0.53 -1.60	10.25 0.01 -2.37
KEDC_PORT_JEFF_GT2 24210	27.75 0.60 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.30	26.27 0.42 -20.73	31.67 0.65 -24.05	30.67 0.94 -19.73	28.97 1.42 -12.72	24.67 1.07 -12.76	27.46 1.09 -15.02	29.24 1.06 -17.08	29.26 0.82 -19.58	29.18 0.65 -21.03	30.10 0.60 -22.05	31.93 0.56 -24.29	35.89 0.81 -25.73	41.65 0.85 -31.53	42.51 1.09 -29.34	42.30 1.32 -26.17	47.18 1.68 -26.17	35.47 1.42 -18.60	31.65 1.34 -16.03	29.72 0.69 -21.15
KEDC_PORT_JEFF_GT3 24211	27.75 0.60 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.30	26.27 0.42 -20.73	31.67 0.65 -24.05	30.67 0.94 -19.73	28.97 1.42 -12.72	24.67 1.07 -12.76	27.46 1.09 -15.02	29.24 1.06 -17.08	29.26 0.82 -19.58	29.18 0.65 -21.03	30.10 0.60 -22.05	31.93 0.56 -24.29	35.89 0.81 -25.73	41.65 0.85 -31.53	42.51 1.09 -29.34	42.30 1.32 -26.17	47.18 1.68 -26.17	35.47 1.42 -18.60	31.65 1.34 -16.03	29.72 0.69 -21.15
KEDC_GLWD_GT4 24219	27.68 0.53 -19.90	23.32 0.37 -17.88	20.98 0.36 -15.50	20.76 0.31 -16.07	23.17 0.36 -17.71	25.61 0.36 -20.14	31.54 0.52 -24.05	30.50 0.77 -19.73	28.77 1.23 -12.72	24.55 0.95 -12.76	27.38 1.01 -15.02	29.18 1.00 -17.08	29.22 0.77 -19.58	29.17 0.64 -21.03	30.12 0.63 -22.05	31.96 0.59 -24.29	35.82 0.74 -25.73	41.55 0.75 -31.53	42.38 0.95 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.48 1.17 -16.03	29.65 0.63 -21.15
KEDC_GLWD_GT5 24220	27.68 0.53 -19.90	23.32 0.37 -17.88	20.98 0.36 -15.50	20.76 0.31 -16.07	23.17 0.36 -17.71	25.61 0.36 -20.14	31.54 0.52 -24.05	30.50 0.77 -19.73	28.77 1.23 -12.72	24.55 0.95 -12.76	27.38 1.01 -15.02	29.18 1.00 -17.08	29.22 0.77 -19.58	29.17 0.64 -21.03	30.12 0.63 -22.05	31.96 0.59 -24.29	35.82 0.74 -25.73	41.55 0.75 -31.53	42.38 0.95 -29.34	42.09 1.11 -26.17	46.93 1.43 -26.17	35.16 1.11 -18.60	31.48 1.17 -16.03	29.65 0.63 -21.15
KENSICO____ 23655	22.21 0.43 -14.53	20.25 0.29 -14.89	18.86 0.29 -13.45	18.74 0.25 -14.11	19.37 0.29 -13.98	21.81 0.29 -16.40	26.81 0.42 -19.41	27.26 0.62 -16.63	26.43 1.01 -10.60	23.65 0.78 -12.02	21.95 0.84 -9.75	23.52 0.81 -11.61	23.79 0.64 -14.28	26.13 0.53 -18.10	26.42 0.51 -18.46	28.35 0.48 -20.79	31.43 0.65 -21.43	33.80 0.67 -23.87	34.06 0.83 -21.14	32.37 0.98 -16.58	32.03 1.26 -11.44	29.94 0.97 -13.52	23.92 0.94 -8.69	21.22 0.51 -12.84
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	21.21 0.41 -13.56	19.24 0.28 -13.89	17.93 0.26 -12.55	17.77 0.23 -13.17	18.40 0.26 -13.04	20.68 0.27 -15.31	25.42 0.33 -18.12	26.04 0.52 -15.52	25.54 0.83 -9.89	22.71 0.65 -11.22	21.16 0.70 -9.10	22.58 0.69 -10.79	22.68 0.52 -13.29	24.76 0.43 -16.83	25.00 0.42 -17.13	26.73 0.40 -19.25	29.72 0.55 -19.82	32.12 0.58 -22.26	32.59 0.79 -19.73	31.20 0.92 -15.47	31.19 1.18 -10.68	28.97 0.91 -12.61	23.22 0.83 -8.11	20.37 0.52 -11.98
KIAC_JFK_GT1 23816	22.21 0.41 -14.56	20.26 0.27 -14.92	18.86 0.27 -13.48	18.74 0.23 -14.14	19.37 0.26 -14.00	21.82 0.27 -16.43	26.86 0.43 -19.45	27.34 0.67 -16.67	26.57 1.13 -10.62	23.78 0.89 -12.05	22.02 0.90 -9.77	23.59 0.85 -11.63	23.86 0.67 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.84 0.66 -23.91	34.09 0.82 -21.19	32.36 0.93 -16.61	32.13 1.33 -11.46	29.98 0.99 -13.54	24.05 1.06 -8.71	21.28 0.54 -12.87
KIAC_JFK_GT2 23817	22.21 0.41 -14.56	20.26 0.27 -14.92	18.86 0.27 -13.48	18.74 0.23 -14.14	19.37 0.26 -14.00	21.82 0.27 -16.43	26.86 0.43 -19.45	27.34 0.67 -16.67	26.57 1.13 -10.62	23.78 0.89 -12.05	22.02 0.90 -9.77	23.59 0.85 -11.63	23.86 0.67 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.84 0.66 -23.91	34.09 0.82 -21.19	32.36 0.93 -16.61	32.13 1.33 -11.46	29.98 0.99 -13.54	24.05 1.06 -8.71	21.28 0.54 -12.87
KIAC_JFK____ 323774	22.21 0.41 -14.56	20.26 0.27 -14.92	18.86 0.27 -13.48	18.74 0.23 -14.14	19.37 0.26 -14.00	21.82 0.27 -16.43	26.86 0.43 -19.45	27.34 0.67 -16.67	26.57 1.13 -10.62	23.78 0.89 -12.05	22.02 0.90 -9.77	23.62 0.89 -11.63	23.86 0.67 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.84 0.66 -23.91	34.09 0.82 -21.19	32.36 0.93 -16.61	32.11 1.32 -11.46	29.98 0.99 -13.54	24.05 1.06 -8.71	21.28 0.54 -12.87
KINTIGH____ 23543	9.51 0.04 -2.21	7.35 0.01 -2.27	7.22 0.06 -2.05	6.57 0.04 -2.15	7.27 0.04 -2.13	7.64 0.03 -2.50	9.90 -0.03 -2.96	12.30 -0.24 -2.54	15.09 -0.67 -0.94	12.24 -0.43 -1.83	12.39 -0.45 -1.49	12.47 -0.38 -1.75	10.77 -0.26 -2.16	10.06 -0.17 -2.73	10.00 -0.22 -2.76	9.97 -0.21 -3.10	12.26 -0.27 -3.18	12.53 -0.38 -3.64	14.87 -0.43 -3.22	16.79 -0.55 -2.53	20.21 -0.87 -1.75	16.86 -0.65 -2.06	15.07 -0.54 -1.33	9.81 -0.02 -1.96
KNTFSRNC_46_KV_46KV_LOAD 80397	6.98 -0.28 0.00	4.88 -0.20 0.00	4.88 -0.24 0.00	4.17 -0.20 0.00	4.91 -0.19 0.00	4.95 -0.16 0.00	6.83 -0.14 0.00	9.88 -0.12 0.00	14.73 -0.09 0.00	10.82 -0.02 0.00	11.25 -0.10 0.00	10.84 -0.26 0.00	8.67 -0.20 0.00	7.29 -0.22 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.27 -0.07 0.00	9.32 0.05 0.00	12.18 0.10 0.00	14.97 0.16 0.00	19.46 0.14 0.00	15.49 0.05 0.00	14.30 0.01 0.00	7.77 -0.10 0.00

LACHUTE___HYDRO 323717	26.64 0.60 -18.79	24.73 0.41 -19.25	22.93 0.42 -17.39	22.99 0.36 -18.25	23.61 0.43 -18.07	26.77 0.44 -21.21	32.73 0.65 -25.10	32.41 0.90 -21.51	29.85 1.32 -13.71	27.33 0.94 -15.55	24.95 0.99 -12.61	26.86 1.03 -14.73	27.93 0.89 -18.17	31.32 0.86 -22.96	31.48 0.86 -23.17	33.70 0.84 -25.79	36.81 0.97 -26.48	40.99 0.91 -30.81	40.56 1.14 -27.34	37.54 1.29 -21.44	35.98 1.86 -14.80	34.41 1.48 -17.48	26.81 1.29 -11.24	25.17 0.69 -16.60
LAWRNCV_115KV_TB1 80681	7.00 -0.25 0.00	4.90 -0.17 0.00	4.93 -0.19 0.00	4.21 -0.16 0.00	4.94 -0.17 0.00	4.95 -0.16 0.00	6.76 -0.21 0.00	9.73 -0.27 0.00	14.48 -0.34 0.00	10.57 -0.27 0.00	11.00 -0.35 0.00	10.73 -0.37 0.00	8.56 -0.31 0.00	7.18 -0.32 0.00	7.12 -0.33 0.00	6.78 -0.30 0.00	8.96 -0.39 0.00	8.92 -0.35 0.00	11.63 -0.45 0.00	14.29 -0.52 0.00	18.71 -0.62 0.00	15.06 -0.39 0.00	13.98 -0.30 0.00	7.65 -0.22 0.00
LEDERLE___ 23769	21.66 0.43 -13.98	19.69 0.29 -14.32	18.35 0.29 -12.94	18.20 0.25 -13.58	18.84 0.29 -13.45	21.18 0.29 -15.78	26.06 0.40 -18.68	26.61 0.61 -16.00	25.99 0.98 -10.19	23.17 0.77 -11.56	21.56 0.83 -9.37	23.07 0.81 -11.16	23.23 0.63 -13.73	25.41 0.51 -17.40	25.69 0.50 -17.74	27.53 0.47 -19.97	30.58 0.63 -20.60	32.87 0.64 -22.96	33.23 0.81 -20.34	31.70 0.93 -15.95	31.54 1.20 -11.01	29.39 0.94 -13.00	23.56 0.91 -8.36	20.74 0.51 -12.35
LIGHTHSE_115KV_TB6 355974	8.56 0.03 -1.28	6.34 -0.04 -1.31	6.27 -0.03 -1.18	5.59 -0.03 -1.24	6.30 -0.03 -1.23	6.55 -0.01 -1.44	8.68 0.00 -1.70	11.43 -0.03 -1.46	15.63 -0.12 -0.93	11.78 -0.12 -1.06	12.07 -0.14 -0.86	12.01 -0.10 -1.01	10.02 -0.10 -1.24	9.00 -0.08 -1.57	8.95 -0.09 -1.59	8.77 -0.09 -1.78	11.06 -0.12 -1.83	11.22 -0.14 -2.09	13.78 -0.16 -1.85	16.10 -0.16 -1.45	20.22 -0.12 -1.00	16.57 -0.06 -1.19	14.94 -0.10 -0.76	9.01 0.01 -1.13
LINDEN COGEN___ 23786	22.24 0.44 -14.56	20.28 0.29 -14.92	18.88 0.29 -13.48	18.76 0.24 -14.14	19.39 0.28 -14.00	21.83 0.28 -16.43	26.84 0.42 -19.45	27.31 0.64 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.65 0.92 -11.63	23.86 0.68 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.16 0.89 -21.19	32.42 0.99 -16.61	32.09 1.30 -11.46	29.99 1.00 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
LINDHRST_69_KV_BK1 356055	27.78 0.62 -19.90	23.78 0.43 -18.27	21.32 0.43 -15.77	21.07 0.37 -16.33	23.73 0.42 -18.20	26.18 0.43 -20.64	31.66 0.64 -24.05	30.67 0.94 -19.73	29.00 1.45 -12.72	24.70 1.11 -12.76	27.50 1.12 -15.02	29.20 1.02 -17.08	29.29 0.84 -19.58	29.23 0.70 -21.03	30.16 0.66 -22.05	32.00 0.63 -24.29	35.95 0.87 -25.73	41.70 0.90 -31.53	42.59 1.17 -29.34	42.39 1.41 -26.17	47.29 1.80 -26.17	35.48 1.44 -18.60	31.68 1.37 -16.03	29.75 0.72 -21.15
LIPA_MISC_IPP 23656	27.72 0.57 -19.90	23.83 0.41 -18.35	21.35 0.41 -15.82	21.11 0.35 -16.38	23.81 0.40 -18.30	26.26 0.41 -20.74	31.62 0.60 -24.05	30.60 0.87 -19.73	28.85 1.30 -12.72	24.59 0.99 -12.76	27.36 0.99 -15.02	29.07 0.89 -17.08	29.19 0.74 -19.58	29.12 0.59 -21.03	30.02 0.52 -22.05	31.84 0.47 -24.29	35.78 0.70 -25.73	41.54 0.74 -31.53	42.44 1.01 -29.34	42.23 1.24 -26.17	47.10 1.60 -26.17	35.35 1.30 -18.60	31.54 1.23 -16.03	29.66 0.64 -21.15
LISF___SOLAR 323691	27.72 0.57 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.26 0.41 -20.74	31.63 0.61 -24.05	30.61 0.88 -19.73	28.85 1.30 -12.72	24.59 0.99 -12.76	27.36 0.99 -15.02	29.14 0.95 -17.08	29.18 0.73 -19.58	29.11 0.58 -21.03	30.01 0.51 -22.05	31.84 0.47 -24.29	35.78 0.70 -25.73	41.54 0.74 -31.53	42.45 1.03 -29.34	42.24 1.26 -26.17	47.12 1.62 -26.17	35.36 1.31 -18.60	31.55 1.24 -16.03	29.67 0.65 -21.15
LITTLE FALLS___HYD 24013	7.27 0.02 0.00	5.06 -0.01 0.00	5.11 -0.01 0.00	4.37 0.00 0.00	5.11 0.00 0.00	5.12 0.01 0.00	6.97 -0.01 0.00	9.99 -0.01 0.00	14.75 -0.07 0.00	10.77 -0.08 0.00	11.28 -0.08 0.00	11.08 -0.02 0.00	8.78 -0.09 0.00	7.43 -0.08 0.00	7.39 -0.07 0.00	6.97 -0.11 0.00	9.22 -0.13 0.00	9.13 -0.14 0.00	11.92 -0.16 0.00	14.63 -0.18 0.00	19.14 -0.19 0.00	15.34 -0.11 0.00	14.20 -0.09 0.00	7.88 0.01 0.00
LITTLRIV_115KV_TB1 356100	7.05 -0.20 0.00	4.93 -0.15 0.00	4.96 -0.16 0.00	4.23 -0.14 0.00	4.96 -0.14 0.00	4.98 -0.13 0.00	6.81 -0.17 0.00	9.79 -0.21 0.00	14.58 -0.24 0.00	10.62 -0.22 0.00	11.04 -0.32 0.00	10.80 -0.30 0.00	8.60 -0.27 0.00	7.22 -0.29 0.00	7.17 -0.28 0.00	6.83 -0.25 0.00	9.01 -0.34 0.00	8.97 -0.30 0.00	11.72 -0.36 0.00	14.40 -0.41 0.00	18.87 -0.46 0.00	15.19 -0.26 0.00	14.07 -0.21 0.00	7.70 -0.17 0.00
LI_NEWBRDGE___DRP 323616	27.68 0.53 -19.90	23.83 0.37 -18.39	21.33 0.36 -15.85	21.10 0.31 -16.41	23.82 0.36 -18.35	26.27 0.36 -20.79	31.55 0.53 -24.05	30.52 0.79 -19.73	28.79 1.24 -12.72	24.55 0.95 -12.76	27.36 0.99 -15.02	29.10 0.92 -17.08	29.20 0.75 -19.58	29.14 0.61 -21.03	30.08 0.58 -22.05	31.91 0.54 -24.29	35.83 0.75 -25.73	41.56 0.76 -31.53	42.40 0.98 -29.34	42.14 1.16 -26.17	46.98 1.49 -26.17	35.22 1.17 -18.60	31.47 1.16 -16.03	29.64 0.62 -21.15
LOCKPORT_115KV_TB60_63_64 80432	9.60 -0.08 -2.43	7.50 -0.06 -2.49	7.36 -0.01 -2.25	6.71 -0.02 -2.36	7.40 -0.04 -2.34	7.81 -0.05 -2.74	10.05 -0.17 -3.24	12.27 -0.50 -2.77	14.91 -0.68 -0.77	12.11 -0.74 -2.00	12.22 -0.76 -1.63	12.34 -0.68 -1.92	10.75 -0.48 -2.36	10.14 -0.35 -2.99	10.09 -0.39 -3.03	10.09 -0.38 -3.39	12.34 -0.50 -3.49	12.62 -0.63 -3.98	14.87 -0.74 -3.53	16.77 -0.80 -2.76	20.02 -1.22 -1.90	16.75 -0.94 -2.25	14.96 -0.77 -1.45	9.92 -0.09 -2.14
LOCKPORT___CC1 323769	9.64 -0.06 -2.44	7.56 -0.02 -2.50	7.40 0.02 -2.26	6.74 -0.01 -2.37	7.43 -0.03 -2.35	7.83 -0.04 -2.76	10.09 -0.15 -3.26	12.32 -0.47 -2.79	14.66 -0.87 -0.71	12.15 -0.70 -2.02	12.27 -0.73 -1.64	12.33 -0.70 -1.93	10.77 -0.48 -2.38	10.18 -0.33 -3.01	10.13 -0.36 -3.05	10.13 -0.35 -3.41	12.39 -0.47 -3.51	12.67 -0.60 -4.00	14.93 -0.70 -3.55	16.82 -0.77 -2.78	20.07 -1.18 -1.92	16.81 -0.91 -2.27	15.00 -0.74 -1.46	9.95 -0.08 -2.16
LOCKPORT___CC2 323770	9.64 -0.06 -2.44	7.56 -0.02 -2.50	7.40 0.02 -2.26	6.74 -0.01 -2.37	7.43 -0.03 -2.35	7.83 -0.04 -2.76	10.09 -0.15 -3.26	12.32 -0.47 -2.79	14.66 -0.87 -0.71	12.15 -0.70 -2.02	12.27 -0.73 -1.64	12.33 -0.70 -1.93	10.77 -0.48 -2.38	10.18 -0.33 -3.01	10.13 -0.36 -3.05	10.13 -0.35 -3.41	12.39 -0.47 -3.51	12.67 -0.60 -4.00	14.93 -0.70 -3.55	16.82 -0.77 -2.78	20.07 -1.18 -1.92	16.81 -0.91 -2.27	15.00 -0.74 -1.46	9.95 -0.08 -2.16
LOCKPORT___CC3 323771	9.64 -0.06 -2.44	7.56 -0.02 -2.50	7.40 0.02 -2.26	6.74 -0.01 -2.37	7.43 -0.03 -2.35	7.83 -0.04 -2.76	10.09 -0.15 -3.26	12.32 -0.47 -2.79	14.66 -0.87 -0.71	12.15 -0.70 -2.02	12.27 -0.73 -1.64	12.33 -0.70 -1.93	10.77 -0.48 -2.38	10.18 -0.33 -3.01	10.13 -0.36 -3.05	10.13 -0.35 -3.41	12.39 -0.47 -3.51	12.67 -0.60 -4.00	14.93 -0.70 -3.55	16.82 -0.77 -2.78	20.07 -1.18 -1.92	16.81 -0.91 -2.27	15.00 -0.74 -1.46	9.95 -0.08 -2.16

LONG_LAKE_PHOENIX 24014	8.68 -0.01 -1.44	6.50 -0.05 -1.47	6.41 -0.04 -1.33	5.74 -0.03 -1.39	6.45 -0.04 -1.38	6.70 -0.03 -1.62	8.85 -0.04 -1.92	11.56 -0.09 -1.64	15.66 -0.21 -1.05	11.87 -0.16 -1.19	12.18 -0.14 -0.96	12.13 -0.10 -1.13	10.17 -0.10 -1.40	9.20 -0.07 -1.77	9.16 -0.08 -1.79	9.00 -0.08 -2.01	11.30 -0.11 -2.06	11.50 -0.13 -2.36	14.00 -0.17 -2.09	16.24 -0.21 -1.64	20.23 -0.23 -1.13	16.60 -0.19 -1.34	14.94 -0.20 -0.86	9.09 -0.05 -1.27
LOVETT___3 23632	21.70 0.41 -14.04	19.74 0.28 -14.39	18.39 0.28 -13.00	18.25 0.24 -13.64	18.89 0.27 -13.51	21.24 0.28 -15.85	26.12 0.38 -18.76	26.66 0.58 -16.08	26.00 0.93 -10.25	23.19 0.73 -11.62	21.56 0.78 -9.43	23.07 0.75 -11.22	23.26 0.59 -13.80	25.47 0.47 -17.49	25.74 0.45 -17.84	27.59 0.42 -20.08	30.63 0.58 -20.70	32.93 0.59 -23.07	33.26 0.75 -20.44	31.71 0.87 -16.03	31.51 1.12 -11.06	29.38 0.87 -13.06	23.55 0.87 -8.40	20.76 0.48 -12.41
LOVETT___4 23642	21.70 0.41 -14.04	19.74 0.28 -14.39	18.39 0.28 -13.00	18.25 0.24 -13.64	18.89 0.27 -13.51	21.24 0.28 -15.85	26.12 0.38 -18.76	26.66 0.58 -16.08	26.00 0.93 -10.25	23.19 0.73 -11.62	21.56 0.78 -9.43	23.07 0.75 -11.22	23.26 0.59 -13.80	25.47 0.47 -17.49	25.74 0.45 -17.84	27.59 0.42 -20.08	30.63 0.58 -20.70	32.93 0.59 -23.07	33.26 0.75 -20.44	31.71 0.87 -16.03	31.51 1.12 -11.06	29.38 0.87 -13.06	23.55 0.87 -8.40	20.76 0.48 -12.41
LOVETT___5 23593	21.70 0.41 -14.04	19.74 0.28 -14.39	18.39 0.28 -13.00	18.25 0.24 -13.64	18.89 0.27 -13.51	21.24 0.28 -15.85	26.12 0.38 -18.76	26.66 0.58 -16.08	26.00 0.93 -10.25	23.19 0.73 -11.62	21.56 0.78 -9.43	23.07 0.75 -11.22	23.26 0.59 -13.80	25.47 0.47 -17.49	25.74 0.45 -17.84	27.59 0.42 -20.08	30.63 0.58 -20.70	32.93 0.59 -23.07	33.26 0.75 -20.44	31.71 0.87 -16.03	31.51 1.12 -11.06	29.38 0.87 -13.06	23.55 0.87 -8.40	20.76 0.48 -12.41
LOWER RAQUET___HYD 24057	7.00 -0.25 0.00	4.89 -0.19 0.00	4.92 -0.20 0.00	4.20 -0.17 0.00	4.93 -0.17 0.00	4.95 -0.16 0.00	6.76 -0.22 0.00	9.73 -0.27 0.00	14.48 -0.34 0.00	10.57 -0.27 0.00	10.98 -0.37 0.00	10.71 -0.39 0.00	8.57 -0.30 0.00	7.17 -0.34 0.00	7.09 -0.36 0.00	6.75 -0.33 0.00	8.92 -0.43 0.00	8.87 -0.40 0.00	11.57 -0.51 0.00	14.23 -0.58 0.00	18.65 -0.68 0.00	15.05 -0.40 0.00	13.97 -0.31 0.00	7.65 -0.22 0.00
LOWER___HUDSON 24059	25.90 0.33 -18.32	24.07 0.23 -18.77	22.32 0.24 -16.96	22.37 0.20 -17.80	22.97 0.24 -17.62	26.04 0.24 -20.68	31.78 0.32 -24.48	31.40 0.42 -20.97	28.81 0.62 -13.37	26.44 0.43 -15.16	24.10 0.44 -12.30	25.87 0.44 -14.32	26.91 0.36 -17.67	30.15 0.32 -22.32	30.26 0.32 -22.49	32.37 0.30 -24.99	35.39 0.39 -25.64	39.69 0.38 -30.04	39.25 0.51 -26.67	36.36 0.64 -20.91	34.59 0.83 -14.43	33.17 0.68 -17.05	25.86 0.61 -10.96	24.40 0.34 -16.19
LOWVILLE_115KV_TB2 356335	8.02 0.12 -0.64	5.71 -0.02 -0.66	5.69 -0.02 -0.59	4.97 -0.03 -0.62	5.70 -0.03 -0.62	5.89 0.06 -0.72	7.92 0.09 -0.86	10.86 0.12 -0.73	15.45 0.16 -0.47	11.40 0.03 -0.53	11.67 -0.11 -0.43	11.53 -0.08 -0.51	9.42 -0.07 -0.62	8.20 -0.10 -0.79	8.15 -0.10 -0.80	7.87 -0.10 -0.89	10.16 -0.10 -0.92	10.24 -0.07 -1.05	12.96 -0.05 -0.93	15.55 0.01 -0.73	20.10 0.27 -0.50	16.17 0.12 -0.59	14.76 0.10 -0.38	8.57 0.13 -0.56
LUTHERFT_115KV_GLOB_FND_222 355753	26.38 0.38 -18.74	24.54 0.26 -19.21	22.74 0.27 -17.35	22.81 0.23 -18.21	23.41 0.27 -18.03	26.55 0.27 -21.16	32.41 0.38 -25.05	31.99 0.52 -21.46	29.27 0.77 -13.68	26.90 0.54 -15.51	24.51 0.57 -12.58	26.35 0.55 -14.69	27.48 0.49 -18.12	30.85 0.45 -22.90	31.00 0.45 -23.10	33.23 0.43 -25.71	36.29 0.53 -26.41	40.52 0.51 -30.74	40.01 0.65 -27.28	36.99 0.78 -21.40	35.16 1.06 -14.77	33.74 0.85 -17.44	26.27 0.77 -11.22	24.86 0.42 -16.57
LUTHERNY_35_KV_BK2 355980	26.38 0.38 -18.74	24.54 0.26 -19.21	22.74 0.27 -17.35	22.82 0.23 -18.21	23.41 0.27 -18.03	26.55 0.27 -21.16	32.41 0.39 -25.05	32.00 0.53 -21.46	29.27 0.77 -13.68	26.91 0.55 -15.51	24.51 0.57 -12.58	26.36 0.57 -14.69	27.48 0.49 -18.12	30.85 0.45 -22.90	31.01 0.45 -23.10	33.23 0.43 -25.71	36.30 0.54 -26.41	40.52 0.51 -30.74	40.03 0.66 -27.28	36.99 0.78 -21.40	35.18 1.08 -14.77	33.75 0.87 -17.44	26.27 0.77 -11.22	24.86 0.42 -16.57
LWR___OSWEGATCHIE_HYD 23850	7.64 -0.09 -0.48	5.45 -0.11 -0.49	5.44 -0.12 -0.44	4.73 -0.10 -0.46	5.45 -0.11 -0.46	5.58 -0.07 -0.54	7.53 -0.08 -0.64	10.45 -0.10 -0.55	15.05 -0.12 -0.35	11.09 -0.15 -0.40	11.40 -0.27 -0.32	11.21 -0.27 -0.38	9.11 -0.23 -0.47	7.85 -0.24 -0.59	7.80 -0.25 -0.59	7.51 -0.23 -0.66	9.73 -0.30 -0.68	9.79 -0.26 -0.78	12.46 -0.30 -0.69	15.02 -0.33 -0.54	19.45 -0.25 -0.37	15.73 -0.15 -0.44	14.44 -0.13 -0.28	8.23 -0.06 -0.42
LYONS_FALL_HYD 23570	8.00 0.14 -0.61	5.72 0.02 -0.62	5.70 0.03 -0.56	4.98 0.01 -0.59	5.71 0.02 -0.58	5.87 0.08 -0.68	7.89 0.10 -0.81	10.84 0.14 -0.69	15.47 0.21 -0.44	11.42 0.08 -0.50	11.76 0.00 -0.41	11.59 0.01 -0.48	9.47 0.01 -0.59	8.24 -0.01 -0.75	8.20 -0.01 -0.76	7.91 -0.02 -0.85	10.21 -0.01 -0.87	10.27 0.01 -0.99	13.01 0.05 -0.88	15.61 0.10 -0.69	20.14 0.33 -0.48	16.21 0.20 -0.56	14.80 0.16 -0.36	8.57 0.16 -0.54
MADISON___COUNTY_LFGE 323628	8.49 0.24 -1.00	6.20 0.11 -1.02	6.16 0.12 -0.92	5.44 0.10 -0.97	6.17 0.11 -0.96	6.37 0.13 -1.13	8.48 0.17 -1.33	11.37 0.23 -1.14	15.87 0.33 -0.73	11.83 0.16 -0.83	12.22 0.19 -0.67	12.14 0.26 -0.79	10.00 0.16 -0.97	8.88 0.15 -1.23	8.84 0.14 -1.24	8.60 0.13 -1.39	10.96 0.18 -1.43	11.07 0.17 -1.64	13.77 0.24 -1.45	16.24 0.30 -1.14	20.60 0.48 -0.78	16.75 0.37 -0.93	15.18 0.30 -0.60	8.98 0.23 -0.88
MALONE___115KV_TB1 356076	6.96 -0.29 0.00	4.87 -0.20 0.00	4.88 -0.24 0.00	4.18 -0.20 0.00	4.91 -0.19 0.00	4.94 -0.17 0.00	6.81 -0.17 0.00	9.83 -0.17 0.00	14.66 -0.16 0.00	10.75 -0.09 0.00	11.18 -0.17 0.00	10.81 -0.29 0.00	8.63 -0.24 0.00	7.26 -0.25 0.00	7.26 -0.19 0.00	6.95 -0.13 0.00	9.18 -0.17 0.00	9.19 -0.07 0.00	12.01 -0.07 0.00	14.77 -0.04 0.00	19.23 -0.10 0.00	15.36 -0.09 0.00	14.20 -0.09 0.00	7.72 -0.15 0.00
MAPLEWOD_115KV_TB3 80458	25.81 0.33 -18.23	23.98 0.23 -18.68	22.23 0.24 -16.87	22.28 0.20 -17.71	22.88 0.23 -17.54	25.92 0.23 -20.58	31.65 0.31 -24.36	31.29 0.41 -20.88	28.75 0.62 -13.30	26.36 0.43 -15.09	24.05 0.45 -12.24	25.83 0.46 -14.28	26.88 0.39 -17.62	30.11 0.35 -22.26	30.25 0.35 -22.45	32.39 0.33 -24.97	35.42 0.43 -25.64	39.57 0.41 -29.90	39.16 0.54 -26.53	36.29 0.67 -20.81	34.58 0.89 -14.36	33.12 0.71 -16.96	25.82 0.63 -10.91	24.33 0.35 -16.11
MAPLE RIDGE_WT_1 323574	6.94 -0.31 0.00	4.84 -0.23 0.00	4.86 -0.26 0.00	4.16 -0.22 0.00	4.86 -0.25 0.00	4.88 -0.23 0.00	6.69 -0.28 0.00	9.68 -0.32 0.00	14.44 -0.39 0.00	10.57 -0.27 0.00	11.03 -0.33 0.00	10.72 -0.38 0.00	8.53 -0.34 0.00	7.19 -0.31 0.00	7.18 -0.28 0.00	6.83 -0.25 0.00	9.00 -0.35 0.00	8.94 -0.33 0.00	11.66 -0.42 0.00	14.34 -0.47 0.00	18.73 -0.60 0.00	14.97 -0.48 0.00	13.81 -0.47 0.00	7.57 -0.30 0.00

MAPLE_RIDGE_WT_2 323611	6.94 -0.31 0.00	4.84 -0.23 0.00	4.86 -0.26 0.00	4.16 -0.22 0.00	4.86 -0.25 0.00	4.88 -0.23 0.00	6.69 -0.28 0.00	9.68 -0.32 0.00	14.44 -0.39 0.00	10.57 -0.27 0.00	11.03 -0.33 0.00	10.72 -0.38 0.00	8.53 -0.34 0.00	7.19 -0.31 0.00	7.18 -0.28 0.00	6.83 -0.25 0.00	9.00 -0.35 0.00	8.94 -0.33 0.00	11.66 -0.42 0.00	14.34 -0.47 0.00	18.73 -0.60 0.00	14.97 -0.48 0.00	13.81 -0.47 0.00	7.57 -0.30 0.00
MARBLE_RIVER_WT_PWR 323696	6.90 -0.35 0.00	4.82 -0.25 0.00	4.83 -0.29 0.00	4.14 -0.24 0.00	4.86 -0.25 0.00	4.90 -0.21 0.00	6.76 -0.22 0.00	9.77 -0.23 0.00	14.57 -0.25 0.00	10.70 -0.14 0.00	11.16 -0.19 0.00	10.80 -0.30 0.00	8.63 -0.24 0.00	7.24 -0.26 0.00	7.27 -0.19 0.00	6.95 -0.13 0.00	9.18 -0.17 0.00	9.19 -0.07 0.00	12.01 -0.07 0.00	14.77 -0.04 0.00	19.21 -0.12 0.00	15.32 -0.12 0.00	14.15 -0.13 0.00	7.70 -0.17 0.00
MARSHVLE_115KV_TB1 80742	30.31 0.50 -22.56	28.51 0.32 -23.11	26.33 0.33 -20.88	26.57 0.28 -21.92	27.14 0.33 -21.70	30.93 0.35 -25.47	37.66 0.54 -30.15	36.56 0.73 -25.83	32.32 1.04 -16.46	30.22 0.70 -18.67	27.21 0.72 -15.14	29.58 0.72 -17.76	31.38 0.61 -21.89	35.74 0.56 -27.69	36.00 0.54 -28.00	38.87 0.54 -31.25	42.19 0.72 -32.12	47.01 0.73 -37.01	45.90 0.99 -32.83	41.77 1.21 -25.75	38.70 1.60 -17.77	37.70 1.27 -20.99	28.89 1.11 -13.50	28.37 0.56 -19.94
MARSH_HILL_WT_PWR 323713	10.87 0.28 -3.34	8.66 0.17 -3.42	8.39 0.19 -3.09	7.75 0.14 -3.24	8.47 0.15 -3.21	9.04 0.16 -3.77	11.62 0.19 -4.46	13.97 0.15 -3.82	22.04 -0.01 -7.23	13.60 0.00 -2.76	13.60 0.01 -2.24	13.75 0.01 -2.64	12.15 0.04 -3.25	11.68 0.07 -4.11	11.66 0.04 -4.17	11.79 0.05 -4.66	14.24 0.09 -4.79	14.78 0.04 -5.47	17.03 0.10 -4.85	18.75 0.13 -3.81	22.11 0.15 -2.63	18.64 0.09 -3.10	16.36 0.09 -2.00	11.07 0.25 -2.95
MCINTYRE_115KV_TB2 80467	7.07 -0.18 0.00	4.94 -0.13 0.00	4.97 -0.14 0.00	4.25 -0.12 0.00	4.98 -0.12 0.00	4.99 -0.12 0.00	6.82 -0.15 0.00	9.81 -0.19 0.00	14.61 -0.21 0.00	10.64 -0.21 0.00	11.06 -0.30 0.00	10.81 -0.29 0.00	8.61 -0.26 0.00	7.25 -0.26 0.00	7.22 -0.23 0.00	6.87 -0.21 0.00	9.08 -0.27 0.00	9.05 -0.22 0.00	11.82 -0.25 0.00	14.54 -0.27 0.00	19.02 -0.31 0.00	15.26 -0.19 0.00	14.11 -0.17 0.00	7.72 -0.16 0.00
MECO____69_KV_BK1 80468	29.34 0.69 -21.40	27.46 0.45 -21.93	25.39 0.46 -19.81	25.56 0.39 -20.80	26.17 0.47 -20.59	29.77 0.49 -24.17	36.23 0.66 -28.60	35.39 0.88 -24.51	31.65 1.22 -15.62	29.37 0.81 -17.71	26.54 0.82 -14.37	28.89 0.95 -16.84	30.38 0.75 -20.76	34.46 0.71 -26.25	34.69 0.69 -26.54	37.38 0.69 -29.61	40.70 0.93 -30.43	45.32 0.94 -35.12	44.49 1.26 -31.15	40.74 1.50 -24.43	38.20 2.01 -16.86	36.95 1.59 -19.91	28.46 1.37 -12.81	27.58 0.79 -18.92
MENANDS__115KV_TB5 355628	25.52 0.26 -18.01	23.71 0.18 -18.45	21.97 0.18 -16.67	22.03 0.16 -17.50	22.62 0.19 -17.33	25.63 0.18 -20.33	31.28 0.24 -24.07	30.93 0.30 -20.63	28.44 0.47 -13.14	26.09 0.34 -14.91	23.80 0.35 -12.09	25.54 0.34 -14.10	26.57 0.30 -17.40	29.74 0.26 -21.98	29.87 0.26 -22.16	31.96 0.24 -24.64	34.97 0.32 -25.30	39.10 0.30 -29.54	38.68 0.39 -26.22	35.87 0.50 -20.56	34.16 0.64 -14.19	32.73 0.53 -16.76	25.53 0.47 -10.78	24.05 0.26 -15.92
MG INDUSTRY__DRP 24185	25.25 0.28 -17.73	23.43 0.19 -18.16	21.72 0.19 -16.41	21.76 0.17 -17.22	22.36 0.19 -17.05	25.32 0.19 -20.01	30.91 0.24 -23.69	30.63 0.33 -20.30	28.24 0.49 -12.93	25.86 0.35 -14.67	23.61 0.35 -11.90	25.40 0.36 -13.94	26.36 0.30 -17.19	29.50 0.26 -21.73	29.69 0.27 -21.97	31.84 0.25 -24.50	34.87 0.34 -25.18	38.67 0.32 -29.08	38.30 0.42 -25.80	35.56 0.52 -20.23	33.97 0.68 -13.96	32.50 0.56 -16.49	25.39 0.50 -10.61	23.82 0.28 -15.67
MID__OSWEGATCHIE_HYD 23849	7.64 -0.09 -0.48	5.45 -0.11 -0.49	5.44 -0.12 -0.44	4.73 -0.10 -0.46	5.45 -0.11 -0.46	5.58 -0.07 -0.54	7.53 -0.08 -0.64	10.45 -0.10 -0.55	15.05 -0.12 -0.35	11.09 -0.15 -0.40	11.40 -0.27 -0.32	11.21 -0.27 -0.38	9.11 -0.23 -0.47	7.85 -0.24 -0.59	7.80 -0.25 -0.59	7.51 -0.23 -0.66	9.73 -0.30 -0.68	9.79 -0.26 -0.78	12.46 -0.30 -0.69	15.02 -0.33 -0.54	19.45 -0.25 -0.37	15.73 -0.15 -0.44	14.44 -0.13 -0.28	8.23 -0.06 -0.42
MID__RAQUETTE_HYD 23851	7.00 -0.25 0.00	4.89 -0.18 0.00	4.92 -0.19 0.00	4.20 -0.17 0.00	4.93 -0.17 0.00	4.94 -0.17 0.00	6.76 -0.22 0.00	9.73 -0.27 0.00	14.48 -0.34 0.00	10.57 -0.27 0.00	10.98 -0.37 0.00	10.71 -0.39 0.00	8.54 -0.33 0.00	7.16 -0.34 0.00	7.09 -0.36 0.00	6.75 -0.33 0.00	8.92 -0.43 0.00	8.87 -0.40 0.00	11.57 -0.51 0.00	14.23 -0.58 0.00	18.65 -0.68 0.00	15.05 -0.40 0.00	13.97 -0.31 0.00	7.65 -0.22 0.00
MILLIKEN__1 23584	10.60 0.27 -3.08	8.37 0.14 -3.16	8.11 0.14 -2.85	7.49 0.12 -2.99	8.21 0.14 -2.96	8.75 0.15 -3.48	11.31 0.22 -4.12	13.81 0.28 -3.53	17.84 0.33 -2.69	13.59 0.20 -2.55	13.64 0.22 -2.07	13.78 0.24 -2.44	12.05 0.18 -3.00	11.48 0.17 -3.80	11.46 0.16 -3.85	11.52 0.13 -4.31	13.98 0.21 -4.43	14.53 0.20 -5.06	16.83 0.27 -4.49	18.67 0.34 -3.52	22.28 0.52 -2.43	18.70 0.39 -2.87	16.44 0.31 -1.84	10.86 0.26 -2.72
MILLIKEN__2 23585	10.60 0.27 -3.08	8.37 0.14 -3.16	8.11 0.14 -2.85	7.49 0.12 -2.99	8.21 0.14 -2.96	8.75 0.15 -3.48	11.31 0.22 -4.12	13.81 0.28 -3.53	17.84 0.33 -2.69	13.59 0.20 -2.55	13.64 0.22 -2.07	13.78 0.24 -2.44	12.05 0.18 -3.00	11.48 0.17 -3.80	11.46 0.16 -3.85	11.52 0.13 -4.31	13.98 0.21 -4.43	14.53 0.20 -5.06	16.83 0.27 -4.49	18.67 0.34 -3.52	22.28 0.52 -2.43	18.70 0.39 -2.87	16.44 0.31 -1.84	10.86 0.26 -2.72
MILLIKEN__DIESEL 23629	10.60 0.27 -3.08	8.37 0.14 -3.16	8.11 0.14 -2.85	7.49 0.12 -2.99	8.21 0.14 -2.96	8.75 0.15 -3.48	11.31 0.22 -4.12	13.81 0.28 -3.53	17.84 0.33 -2.69	13.59 0.20 -2.55	13.64 0.22 -2.07	13.78 0.24 -2.44	12.05 0.18 -3.00	11.48 0.17 -3.80	11.46 0.16 -3.85	11.52 0.13 -4.31	13.98 0.21 -4.43	14.53 0.20 -5.06	16.83 0.27 -4.49	18.67 0.34 -3.52	22.28 0.52 -2.43	18.70 0.39 -2.87	16.44 0.31 -1.84	10.86 0.26 -2.72
MILLSEAT__LFGE 323607	9.67 -0.01 -2.42	7.57 0.02 -2.48	7.42 0.06 -2.24	6.75 0.02 -2.36	7.45 0.01 -2.33	7.85 0.00 -2.74	10.12 -0.09 -3.24	12.38 -0.39 -2.77	14.88 -0.71 -0.77	12.20 -0.64 -2.00	12.33 -0.65 -1.63	12.37 -0.64 -1.91	10.79 -0.43 -2.36	10.20 -0.29 -2.98	10.15 -0.33 -3.02	10.15 -0.31 -3.38	12.41 -0.42 -3.48	12.69 -0.55 -3.97	14.98 -0.62 -3.52	16.94 -0.64 -2.76	20.23 -1.01 -1.91	16.94 -0.76 -2.25	15.13 -0.60 -1.45	10.01 -0.01 -2.14
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	22.23 0.41 -14.57	20.28 0.28 -14.93	18.88 0.28 -13.48	18.77 0.24 -14.15	19.40 0.28 -14.01	21.84 0.28 -16.45	26.85 0.41 -19.47	27.28 0.60 -16.68	26.41 0.96 -10.63	23.65 0.75 -12.06	21.95 0.82 -9.78	23.53 0.79 -11.64	23.80 0.61 -14.32	26.17 0.51 -18.15	26.46 0.49 -18.51	28.40 0.47 -20.85	31.47 0.64 -21.49	33.85 0.65 -23.93	34.10 0.82 -21.20	32.40 0.96 -16.63	32.04 1.24 -11.47	29.96 0.96 -13.55	23.91 0.91 -8.71	21.24 0.50 -12.87

MILLWOOD_13_KV_LOAD 356217	22.25 0.43 -14.57	20.29 0.29 -14.93	18.89 0.29 -13.48	18.78 0.25 -14.15	19.41 0.29 -14.01	21.85 0.29 -16.45	26.87 0.43 -19.47	27.30 0.62 -16.68	26.44 0.99 -10.63	23.67 0.77 -12.06	21.97 0.84 -9.78	23.56 0.82 -11.64	23.84 0.65 -14.32	26.20 0.54 -18.15	26.49 0.52 -18.51	28.43 0.50 -20.85	31.52 0.68 -21.49	33.89 0.69 -23.93	34.14 0.86 -21.20	32.44 1.01 -16.63	32.10 1.30 -11.47	30.00 1.00 -13.55	23.95 0.96 -8.71	21.25 0.50 -12.87
MODEL_CITY_ENERGY 24167	9.54 -0.17 -2.46	7.50 -0.10 -2.52	7.34 -0.06 -2.28	6.69 -0.07 -2.39	7.37 -0.10 -2.37	7.78 -0.12 -2.78	10.00 -0.26 -3.29	12.17 -0.64 -2.81	14.60 -0.99 -0.77	12.00 -0.88 -2.03	12.09 -0.92 -1.65	12.16 -0.89 -1.95	10.64 -0.63 -2.40	10.08 -0.46 -3.03	10.03 -0.49 -3.07	10.04 -0.47 -3.44	12.26 -0.63 -3.54	12.55 -0.76 -4.04	14.75 -0.91 -3.58	16.67 -0.95 -2.81	19.86 -1.41 -1.94	16.64 -1.10 -2.29	14.84 -0.91 -1.47	9.88 -0.17 -2.18
MODERN_LFGE_ 323580	9.54 -0.17 -2.46	7.50 -0.10 -2.52	7.34 -0.06 -2.28	6.69 -0.07 -2.39	7.37 -0.10 -2.37	7.78 -0.12 -2.78	10.00 -0.26 -3.29	12.17 -0.64 -2.81	14.60 -0.99 -0.77	12.00 -0.88 -2.03	12.09 -0.92 -1.65	12.16 -0.89 -1.95	10.64 -0.63 -2.40	10.08 -0.46 -3.03	10.03 -0.49 -3.07	10.04 -0.47 -3.44	12.26 -0.63 -3.54	12.55 -0.76 -4.04	14.75 -0.91 -3.58	16.67 -0.95 -2.81	19.86 -1.41 -1.94	16.64 -1.10 -2.29	14.84 -0.91 -1.47	9.88 -0.17 -2.18
MOHAWK_PAPER___DRP 24187	25.81 0.33 -18.23	23.98 0.23 -18.68	22.23 0.24 -16.87	22.28 0.20 -17.71	22.88 0.23 -17.54	25.92 0.23 -20.58	31.65 0.31 -24.36	31.29 0.41 -20.88	28.75 0.62 -13.30	26.36 0.43 -15.09	24.05 0.45 -12.24	25.83 0.46 -14.28	26.88 0.39 -17.62	30.11 0.35 -22.26	30.25 0.35 -22.45	32.39 0.33 -24.97	35.42 0.43 -25.64	39.57 0.41 -29.90	39.16 0.54 -26.53	36.29 0.67 -20.81	34.58 0.89 -14.36	33.12 0.71 -16.96	25.82 0.63 -10.91	24.33 0.35 -16.11
MOHICAN__35_KV_115KV_LD 80490	26.38 0.36 -18.77	24.54 0.24 -19.23	22.74 0.25 -17.37	22.82 0.21 -18.23	23.41 0.25 -18.06	26.56 0.26 -21.19	32.44 0.38 -25.08	32.01 0.52 -21.49	29.27 0.76 -13.70	26.91 0.53 -15.53	24.51 0.56 -12.60	26.37 0.55 -14.71	27.52 0.50 -18.15	30.92 0.48 -22.93	31.08 0.48 -23.14	33.30 0.46 -25.76	36.32 0.52 -26.45	40.55 0.50 -30.78	40.01 0.62 -27.32	36.91 0.68 -21.42	35.16 1.04 -14.78	33.73 0.82 -17.46	26.24 0.73 -11.23	24.87 0.40 -16.59
MONGAUP___HYD 23641	20.85 0.36 -13.25	18.90 0.25 -13.57	17.62 0.24 -12.26	17.45 0.20 -12.87	18.08 0.22 -12.74	20.30 0.23 -14.96	24.99 0.31 -17.70	25.65 0.48 -15.17	25.23 0.74 -9.67	22.37 0.56 -10.96	20.85 0.60 -8.89	22.27 0.59 -10.58	22.34 0.45 -13.02	24.37 0.37 -16.50	24.61 0.34 -16.82	26.33 0.33 -18.93	29.26 0.41 -19.51	31.34 0.31 -21.76	31.77 0.41 -19.28	30.42 0.49 -15.12	30.38 0.62 -10.43	28.37 0.60 -12.32	22.87 0.66 -7.93	20.04 0.46 -11.71
MONTAUK___DIESEL 23721	27.92 0.77 -19.90	23.98 0.55 -18.35	21.50 0.56 -15.82	21.24 0.48 -16.38	23.96 0.55 -18.30	26.41 0.56 -20.74	31.86 0.84 -24.05	30.94 1.21 -19.73	29.26 1.72 -12.72	24.89 1.29 -12.76	27.66 1.28 -15.02	29.29 1.11 -17.08	29.40 0.95 -19.58	29.30 0.77 -21.03	30.19 0.69 -22.05	32.01 0.64 -24.29	36.10 1.02 -25.73	41.86 1.07 -31.53	42.88 1.46 -29.34	42.77 1.79 -26.17	47.79 2.30 -26.17	35.90 1.85 -18.60	32.02 1.71 -16.03	29.89 0.87 -21.15
MOONROAD_115KV_HARTFLD_TB1-2 355988	10.18 0.08 -2.85	8.02 0.04 -2.92	7.82 0.07 -2.63	7.16 0.03 -2.76	7.87 0.03 -2.74	8.36 0.03 -3.21	10.76 -0.01 -3.80	13.10 -0.18 -3.27	15.65 -0.46 -1.28	12.98 -0.23 -2.36	13.05 -0.23 -1.92	13.13 -0.23 -2.26	11.56 -0.10 -2.78	10.98 -0.05 -3.52	10.87 -0.16 -3.57	10.89 -0.19 -4.00	13.22 -0.24 -4.11	13.59 -0.34 -4.67	15.87 -0.31 -4.11	17.67 -0.36 -3.22	20.93 -0.62 -2.22	17.58 -0.49 -2.62	15.60 -0.37 -1.69	10.42 0.06 -2.49
MORTIMER_115KV_TB3 55949	9.33 0.11 -1.97	7.14 0.05 -2.02	7.03 0.08 -1.83	6.36 0.07 -1.92	7.07 0.06 -1.90	7.41 0.07 -2.23	9.67 0.06 -2.64	12.22 -0.04 -2.26	15.96 -0.30 -1.44	12.30 -0.17 -1.63	12.52 -0.16 -1.32	12.54 -0.12 -1.56	10.74 -0.05 -1.92	9.91 -0.02 -2.43	9.86 -0.06 -2.46	9.78 -0.06 -2.76	12.09 -0.09 -2.84	12.33 -0.18 -3.24	14.78 -0.17 -2.87	16.86 -0.21 -2.25	20.54 -0.35 -1.55	17.05 -0.23 -1.84	15.26 -0.20 -1.18	9.70 0.08 -1.74
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.75 0.86 -12.05	22.05 0.92 -9.77	23.62 0.89 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.50 0.55 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
MUNSVILLE_WIND_PWR 323609	11.99 0.67 -4.08	9.57 0.32 -4.18	9.23 0.34 -3.77	8.60 0.27 -3.96	9.35 0.32 -3.92	10.07 0.36 -4.60	12.98 0.56 -5.45	15.43 0.76 -4.67	19.25 1.07 -3.36	14.79 0.57 -3.37	14.70 0.61 -2.74	14.98 0.65 -3.22	13.36 0.51 -3.97	12.98 0.45 -5.03	12.99 0.44 -5.10	13.16 0.38 -5.70	15.77 0.56 -5.86	16.56 0.59 -6.69	18.85 0.83 -5.94	20.52 1.05 -4.65	24.09 1.55 -3.21	20.48 1.24 -3.79	17.81 1.08 -2.44	12.16 0.68 -3.60
N SALMON___HYD 24042	6.96 -0.29 0.00	4.86 -0.21 0.00	4.88 -0.24 0.00	4.18 -0.20 0.00	4.91 -0.19 0.00	4.94 -0.17 0.00	6.81 -0.17 0.00	9.83 -0.17 0.00	14.66 -0.16 0.00	10.75 -0.09 0.00	11.18 -0.17 0.00	10.83 -0.27 0.00	8.67 -0.20 0.00	7.26 -0.25 0.00	7.26 -0.19 0.00	6.95 -0.13 0.00	9.18 -0.17 0.00	9.19 -0.07 0.00	12.01 -0.07 0.00	14.77 -0.04 0.00	19.23 -0.10 0.00	15.36 -0.09 0.00	14.20 -0.09 0.00	7.72 -0.15 0.00
N.AKRON__115KV_KNAPP 355671	9.67 0.00 -2.42	7.54 -0.01 -2.48	7.40 0.05 -2.24	6.75 0.02 -2.35	7.45 0.01 -2.33	7.86 0.01 -2.73	10.12 -0.09 -3.23	12.39 -0.38 -2.76	15.08 -0.52 -0.77	12.21 -0.63 -2.00	12.34 -0.64 -1.62	12.46 -0.55 -1.91	10.83 -0.39 -2.35	10.20 -0.28 -2.98	10.15 -0.32 -3.02	10.15 -0.31 -3.38	12.41 -0.41 -3.48	12.70 -0.54 -3.97	14.98 -0.62 -3.52	16.92 -0.64 -2.75	20.22 -1.01 -1.90	16.93 -0.76 -2.24	15.13 -0.60 -1.44	10.01 0.00 -2.13
N.BELMOR_69_KV_BK1 55787	27.72 0.57 -19.90	23.57 0.40 -18.10	21.16 0.39 -15.65	20.93 0.34 -16.22	23.48 0.39 -17.99	25.93 0.39 -20.43	31.59 0.57 -24.05	30.57 0.84 -19.73	28.88 1.33 -12.72	24.62 1.02 -12.76	27.43 1.06 -15.02	29.16 0.98 -17.08	29.25 0.80 -19.58	29.19 0.66 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.91 0.82 -25.73	41.64 0.84 -31.53	42.51 1.09 -29.34	42.27 1.29 -26.17	47.16 1.66 -26.17	35.35 1.30 -18.60	31.57 1.26 -16.03	29.69 0.67 -21.15
N.E._GEN_SANDY PD 24062	24.11 0.36 -16.51	22.23 0.25 -16.91	20.76 0.26 -15.39	20.63 0.22 -16.04	21.24 0.25 -15.88	24.00 0.26 -18.63	29.36 0.33 -22.06	29.35 0.45 -18.90	27.55 0.68 -12.04	25.00 0.50 -13.66	22.93 0.50 -11.08	23.78 0.49 -12.19	24.42 0.38 -15.17	26.80 0.32 -18.98	26.25 0.31 -18.48	27.15 0.30 -19.77	29.79 0.40 -20.04	36.60 0.40 -26.93	36.63 0.53 -24.02	34.33 0.68 -18.84	33.20 0.87 -13.00	31.50 0.70 -15.36	24.80 0.64 -9.87	22.82 0.35 -14.59

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	21.68 0.41 -14.01	19.72 0.28 -14.36	18.37 0.28 -12.97	18.23 0.24 -13.61	18.86 0.27 -13.48	21.21 0.28 -15.82	26.09 0.39 -18.73	26.63 0.58 -16.04	25.98 0.93 -10.22	23.16 0.73 -11.60	21.55 0.79 -9.40	23.06 0.77 -11.19	23.24 0.59 -13.77	25.44 0.48 -17.46	25.72 0.47 -17.80	27.56 0.44 -20.04	30.60 0.60 -20.66	32.90 0.61 -23.02	33.25 0.77 -20.40	31.69 0.89 -15.99	31.51 1.14 -11.04	29.38 0.90 -13.04	23.55 0.89 -8.38	20.75 0.49 -12.39
N.QUEENS_27_KV_LOAD 356247	22.27 0.46 -14.56	20.33 0.34 -14.92	18.92 0.33 -13.48	18.79 0.27 -14.14	19.42 0.31 -14.00	21.82 0.28 -16.43	26.82 0.40 -19.45	27.29 0.62 -16.67	26.51 1.07 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.92 0.73 -23.91	34.17 0.91 -21.19	32.46 1.04 -16.61	32.11 1.31 -11.46	29.99 1.00 -13.54	24.02 1.03 -8.71	21.35 0.61 -12.87
N.TROY___115KV_TB1 355778	25.90 0.33 -18.32	24.07 0.23 -18.77	22.31 0.24 -16.96	22.37 0.20 -17.80	22.97 0.23 -17.62	26.03 0.24 -20.68	31.78 0.32 -24.48	31.40 0.42 -20.98	28.81 0.62 -13.37	26.44 0.43 -15.16	24.10 0.44 -12.30	25.85 0.43 -14.32	26.91 0.36 -17.67	30.14 0.32 -22.32	30.25 0.32 -22.48	32.37 0.30 -24.98	35.38 0.39 -25.64	39.69 0.38 -30.04	39.25 0.51 -26.67	36.36 0.64 -20.91	34.59 0.83 -14.43	33.17 0.68 -17.05	25.86 0.61 -10.96	24.41 0.34 -16.19
NARROWS_GT1_1 24228	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT1_2 24229	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT1_3 24230	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT1_4 24231	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT1_5 24232	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT1_6 24233	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT1_7 24234	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT1_8 24235	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT2_1 24236	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT2_2 24237	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT2_3 24238	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT2_4 24239	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87

NARROWS_GT2_5 24240	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT2_6 24241	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT2_7 24242	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NARROWS_GT2_8 24243	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	24.47 0.25 -16.97	22.63 0.17 -17.39	20.99 0.16 -15.71	21.00 0.14 -16.49	21.60 0.17 -16.32	24.44 0.17 -19.16	29.83 0.17 -22.68	29.69 0.26 -19.43	27.56 0.36 -12.38	25.12 0.23 -14.05	22.98 0.24 -11.39	24.67 0.20 -13.37	25.57 0.22 -16.48	28.55 0.20 -20.84	28.76 0.22 -21.09	30.87 0.24 -23.55	33.89 0.34 -24.20	37.43 0.32 -27.85	37.24 0.46 -24.70	34.76 0.58 -19.37	33.47 0.77 -13.37	31.89 0.65 -15.79	24.92 0.49 -10.15	23.17 0.30 -15.00
NCHELSEA_115KV_TR2 355582	22.18 0.41 -14.52	20.24 0.29 -14.88	18.83 0.28 -13.44	18.72 0.24 -14.11	19.34 0.27 -13.97	21.79 0.28 -16.39	26.74 0.36 -19.40	27.18 0.55 -16.62	26.29 0.87 -10.59	23.53 0.67 -12.02	21.83 0.73 -9.75	23.39 0.71 -11.58	23.69 0.57 -14.25	26.03 0.47 -18.06	26.31 0.46 -18.39	28.22 0.45 -20.69	31.27 0.61 -21.31	33.74 0.62 -23.85	34.02 0.81 -21.13	32.34 0.96 -16.57	32.00 1.24 -11.43	29.93 0.97 -13.51	23.84 0.87 -8.69	21.22 0.51 -12.83
NEG CAPITAL___MECHNVIL 23645	26.26 0.39 -18.61	24.41 0.27 -19.07	22.62 0.28 -17.23	22.69 0.24 -18.08	23.29 0.28 -17.91	26.41 0.28 -21.01	32.24 0.39 -24.87	31.84 0.53 -21.31	29.19 0.78 -13.58	26.80 0.55 -15.40	24.42 0.57 -12.49	26.26 0.59 -14.58	27.34 0.49 -17.98	30.67 0.45 -22.72	30.82 0.45 -22.91	33.00 0.44 -25.48	36.06 0.55 -26.17	40.31 0.52 -30.53	39.85 0.68 -27.09	36.87 0.81 -21.25	35.09 1.10 -14.66	33.65 0.88 -17.32	26.20 0.79 -11.14	24.75 0.42 -16.45
NEG CENTRAL_HIGH_ACRES 23767	9.16 0.01 -1.90	7.01 -0.02 -1.95	6.88 0.01 -1.76	6.21 -0.01 -1.85	6.92 -0.02 -1.83	7.25 -0.01 -2.15	9.48 -0.03 -2.54	12.04 -0.14 -2.18	15.81 -0.40 -1.39	12.15 -0.26 -1.57	12.39 -0.24 -1.28	12.37 -0.23 -1.50	10.57 -0.15 -1.85	9.75 -0.09 -2.34	9.70 -0.13 -2.37	9.62 -0.12 -2.66	11.91 -0.17 -2.73	12.16 -0.23 -3.12	14.57 -0.28 -2.77	16.62 -0.36 -2.17	20.34 -0.48 -1.50	16.85 -0.37 -1.77	15.06 -0.36 -1.14	9.51 -0.04 -1.68
NEG CENTRAL___DRP 24199	9.17 0.09 -1.83	6.97 0.02 -1.88	6.85 0.04 -1.70	6.18 0.03 -1.78	6.90 0.03 -1.76	7.23 0.05 -2.07	9.48 0.06 -2.45	12.15 0.05 -2.10	16.10 -0.06 -1.34	12.31 -0.04 -1.52	12.57 -0.01 -1.23	12.56 0.01 -1.45	10.66 0.01 -1.78	9.79 0.03 -2.26	9.75 0.01 -2.29	9.63 -0.01 -2.56	11.97 -0.01 -2.63	12.24 -0.04 -3.01	14.71 -0.04 -2.67	16.86 -0.04 -2.09	20.73 -0.04 -1.44	17.12 -0.03 -1.70	15.32 -0.06 -1.10	9.56 0.06 -1.62
NEG CENTRAL___INDECK 23768	10.41 0.36 -2.80	8.17 0.22 -2.87	7.96 0.25 -2.59	7.29 0.19 -2.72	8.02 0.21 -2.69	8.51 0.24 -3.16	11.00 0.29 -3.74	13.48 0.27 -3.21	21.73 0.09 -6.82	13.25 0.09 -2.32	13.32 0.09 -1.88	13.38 0.07 -2.21	11.63 0.04 -2.72	11.01 0.06 -3.45	10.98 0.04 -3.49	11.03 0.04 -3.91	13.45 0.08 -4.02	13.93 0.07 -4.59	16.34 0.19 -4.07	18.31 0.31 -3.19	21.90 0.37 -2.20	18.38 0.32 -2.60	16.23 0.27 -1.68	10.69 0.35 -2.48
NEG CENTRAL___SENECA 23627	9.20 0.10 -1.85	6.99 0.03 -1.89	6.87 0.05 -1.71	6.21 0.04 -1.79	6.93 0.04 -1.78	7.26 0.06 -2.09	9.51 0.07 -2.47	12.16 0.04 -2.11	16.05 -0.12 -1.35	12.29 -0.08 -1.53	12.55 -0.05 -1.24	12.56 0.00 -1.46	10.67 0.00 -1.80	9.80 0.02 -2.28	9.75 -0.01 -2.31	9.65 -0.01 -2.58	11.98 -0.02 -2.66	12.24 -0.06 -3.03	14.69 -0.07 -2.69	16.83 -0.09 -2.11	20.67 -0.12 -1.45	17.09 -0.08 -1.72	15.29 -0.10 -1.11	9.58 0.07 -1.63
NEG CENTRAL___STATE_STREET 24147	9.36 0.11 -2.00	7.16 0.04 -2.05	7.01 0.05 -1.85	6.35 0.03 -1.94	7.07 0.04 -1.92	7.43 0.06 -2.26	9.80 0.15 -2.67	12.49 0.20 -2.29	16.49 0.21 -1.46	12.64 0.14 -1.65	12.88 0.18 -1.34	12.79 0.11 -1.58	10.98 0.16 -1.95	10.12 0.16 -2.46	10.08 0.13 -2.50	9.99 0.11 -2.79	12.38 0.16 -2.87	12.68 0.13 -3.28	15.14 0.16 -2.91	17.28 0.19 -2.28	21.23 0.33 -1.57	17.55 0.25 -1.86	15.66 0.19 -1.20	9.75 0.11 -1.77
NEG MILLWOOD___DRP 24198	22.38 0.44 -14.69	20.43 0.30 -15.05	19.01 0.29 -13.60	18.91 0.27 -14.27	19.54 0.30 -14.13	22.00 0.30 -16.59	27.05 0.45 -19.63	27.44 0.62 -16.82	26.52 0.98 -10.72	23.74 0.74 -12.16	22.06 0.84 -9.86	23.63 0.81 -11.72	23.94 0.65 -14.43	26.35 0.56 -18.28	26.64 0.55 -18.63	28.58 0.54 -20.97	31.67 0.72 -21.60	34.13 0.73 -24.13	34.38 0.92 -21.38	32.67 1.10 -16.77	32.29 1.39 -11.57	30.21 1.10 -13.67	24.04 0.97 -8.79	21.38 0.52 -12.98
NEG NORTH_FLCN_SEA 23793	6.98 -0.28 0.00	4.87 -0.20 0.00	4.87 -0.25 0.00	4.17 -0.20 0.00	4.91 -0.20 0.00	4.94 -0.17 0.00	6.82 -0.15 0.00	9.87 -0.13 0.00	14.70 -0.12 0.00	10.81 -0.03 0.00	11.26 -0.09 0.00	10.84 -0.26 0.00	8.68 -0.20 0.00	7.29 -0.21 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.26 -0.08 0.00	9.30 0.03 0.00	12.14 0.06 0.00	14.93 0.12 0.00	19.41 0.08 0.00	15.48 0.03 0.00	14.28 0.00 0.00	7.77 -0.10 0.00
NEG NORTH_KES_CHATEGAY 23792	6.90 -0.35 0.00	4.83 -0.24 0.00	4.84 -0.28 0.00	4.14 -0.24 0.00	4.87 -0.24 0.00	4.90 -0.21 0.00	6.76 -0.22 0.00	9.76 -0.24 0.00	14.55 -0.27 0.00	10.69 -0.15 0.00	11.13 -0.23 0.00	10.73 -0.37 0.00	8.59 -0.28 0.00	7.22 -0.29 0.00	7.25 -0.20 0.00	6.94 -0.14 0.00	9.17 -0.18 0.00	9.19 -0.07 0.00	12.01 -0.07 0.00	14.77 -0.04 0.00	19.21 -0.12 0.00	15.32 -0.12 0.00	14.15 -0.13 0.00	7.70 -0.17 0.00



NEG NORTH___ALICE_FALLS 23915	6.98 -0.28 0.00	4.88 -0.20 0.00	4.88 -0.24 0.00	4.17 -0.20 0.00	4.91 -0.19 0.00	4.95 -0.16 0.00	6.83 -0.14 0.00	9.88 -0.12 0.00	14.73 -0.09 0.00	10.82 -0.02 0.00	11.25 -0.10 0.00	10.84 -0.26 0.00	8.67 -0.20 0.00	7.29 -0.22 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.27 -0.07 0.00	9.32 0.05 0.00	12.18 0.10 0.00	14.97 0.16 0.00	19.46 0.14 0.00	15.49 0.05 0.00	14.30 0.01 0.00	7.77 -0.10 0.00
NEG NORTH___LWR_SARANAC 23913	6.98 -0.28 0.00	4.88 -0.20 0.00	4.88 -0.24 0.00	4.17 -0.20 0.00	4.91 -0.19 0.00	4.95 -0.16 0.00	6.83 -0.14 0.00	9.88 -0.12 0.00	14.73 -0.09 0.00	10.82 -0.02 0.00	11.25 -0.10 0.00	10.84 -0.26 0.00	8.67 -0.20 0.00	7.29 -0.22 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.27 -0.07 0.00	9.32 0.05 0.00	12.18 0.10 0.00	14.97 0.16 0.00	19.46 0.14 0.00	15.49 0.05 0.00	14.30 0.01 0.00	7.77 -0.10 0.00
NEG NORTH___PLATTSBURG 23628	6.98 -0.28 0.00	4.87 -0.21 0.00	4.87 -0.25 0.00	4.17 -0.20 0.00	4.91 -0.19 0.00	4.95 -0.16 0.00	6.83 -0.14 0.00	9.88 -0.12 0.00	14.73 -0.09 0.00	10.82 -0.02 0.00	11.25 -0.10 0.00	10.89 -0.21 0.00	8.70 -0.17 0.00	7.28 -0.22 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.27 -0.08 0.00	9.32 0.05 0.00	12.17 0.10 0.00	14.97 0.16 0.00	19.47 0.14 0.00	15.49 0.05 0.00	14.30 0.01 0.00	7.77 -0.10 0.00
NEG WEST_LEA_LOCKPORT 23791	9.64 -0.06 -2.44	7.53 -0.05 -2.50	7.38 0.01 -2.26	6.74 -0.01 -2.37	7.43 -0.03 -2.35	7.83 -0.04 -2.76	10.09 -0.15 -3.26	12.32 -0.47 -2.79	14.80 -0.73 -0.71	12.15 -0.70 -2.01	12.27 -0.73 -1.64	12.38 -0.64 -1.93	10.79 -0.45 -2.38	10.18 -0.33 -3.01	10.13 -0.37 -3.05	10.14 -0.35 -3.41	12.39 -0.47 -3.51	12.67 -0.60 -4.00	14.93 -0.70 -3.55	16.82 -0.77 -2.78	20.07 -1.18 -1.92	16.80 -0.91 -2.26	15.00 -0.74 -1.46	9.95 -0.08 -2.15
NEG WEST___LANCASTR 23811	9.96 -0.11 -2.82	7.87 -0.09 -2.89	7.68 -0.05 -2.61	7.06 -0.05 -2.74	7.74 -0.08 -2.71	8.21 -0.08 -3.18	10.55 -0.20 -3.78	12.77 -0.47 -3.23	14.97 -0.95 -1.10	12.50 -0.67 -2.34	12.56 -0.69 -1.90	12.72 -0.61 -2.23	11.19 -0.43 -2.75	10.66 -0.32 -3.48	10.63 -0.35 -3.53	10.68 -0.35 -3.95	12.96 -0.45 -4.06	13.36 -0.53 -4.62	15.55 -0.63 -4.10	17.25 -0.77 -3.21	20.41 -1.14 -2.22	17.16 -0.91 -2.62	15.18 -0.79 -1.69	10.21 -0.16 -2.49
NEG_PENN_ALLEGHNY 23528	12.18 0.23 -4.70	10.03 0.13 -4.82	9.62 0.14 -4.35	9.06 0.11 -4.57	9.76 0.13 -4.53	10.56 0.13 -5.31	13.44 0.18 -6.29	15.61 0.22 -5.39	18.72 0.22 -3.67	14.89 0.15 -3.89	14.69 0.18 -3.16	15.01 0.19 -3.72	13.61 0.16 -4.58	13.46 0.16 -5.80	13.47 0.14 -5.88	13.79 0.13 -6.58	16.30 0.19 -6.77	17.15 0.16 -7.72	19.13 0.21 -6.85	20.42 0.24 -5.37	23.36 0.33 -3.71	20.07 0.25 -4.38	17.31 0.21 -2.81	12.24 0.21 -4.16
NEG___GEN_MONROE 24207	9.43 0.20 -1.97	7.20 0.11 -2.02	7.09 0.15 -1.83	6.42 0.13 -1.92	7.14 0.13 -1.90	7.48 0.14 -2.23	9.74 0.13 -2.64	12.31 0.05 -2.26	16.05 -0.21 -1.44	12.34 -0.13 -1.63	12.55 -0.12 -1.32	12.61 -0.04 -1.56	10.76 -0.03 -1.92	9.93 0.00 -2.43	9.88 -0.04 -2.46	9.80 -0.04 -2.76	12.08 -0.10 -2.84	12.37 -0.14 -3.24	14.84 -0.11 -2.87	16.94 -0.12 -2.25	20.67 -0.21 -1.55	17.16 -0.12 -1.84	15.38 -0.09 -1.18	9.80 0.18 -1.74
NEPA___ENERGY 23901	10.24 0.14 -2.85	8.07 0.08 -2.92	7.88 0.12 -2.64	7.23 0.09 -2.77	7.94 0.09 -2.74	8.42 0.09 -3.22	10.84 0.06 -3.81	13.16 -0.10 -3.26	15.38 -0.40 -0.96	12.93 -0.26 -2.35	12.99 -0.27 -1.91	13.13 -0.22 -2.25	11.53 -0.12 -2.77	10.96 -0.05 -3.51	10.91 -0.10 -3.55	10.95 -0.11 -3.98	13.33 -0.11 -4.09	13.73 -0.21 -4.68	15.99 -0.22 -4.13	17.78 -0.27 -3.24	21.08 -0.48 -2.24	17.70 -0.39 -2.64	15.70 -0.29 -1.70	10.48 0.10 -2.51
NEVERSINK___HYD 23608	20.59 0.41 -12.93	18.61 0.29 -13.25	17.34 0.26 -11.97	17.16 0.22 -12.56	17.79 0.25 -12.44	19.96 0.25 -14.60	24.53 0.28 -17.28	25.30 0.49 -14.80	25.01 0.76 -9.43	22.13 0.59 -10.70	20.69 0.66 -8.68	22.04 0.64 -10.30	22.05 0.51 -12.67	23.98 0.42 -16.06	24.21 0.42 -16.34	25.86 0.41 -18.37	28.84 0.57 -18.92	31.10 0.59 -21.24	31.68 0.78 -18.82	30.49 0.92 -14.76	30.69 1.18 -10.18	28.42 0.94 -12.03	22.83 0.81 -7.74	19.88 0.57 -11.43
NEWKRMKL_115KV_TB1 55635	25.73 0.23 -18.25	23.92 0.15 -18.70	22.17 0.16 -16.89	22.24 0.14 -17.73	22.82 0.16 -17.55	25.87 0.15 -20.60	31.56 0.20 -24.38	31.16 0.26 -20.90	28.54 0.40 -13.32	26.24 0.29 -15.11	23.92 0.31 -12.25	25.74 0.32 -14.32	26.81 0.27 -17.66	30.07 0.24 -22.32	30.23 0.25 -22.53	32.40 0.23 -25.10	35.41 0.29 -25.78	39.48 0.27 -29.94	39.00 0.35 -26.57	36.08 0.43 -20.84	34.25 0.54 -14.38	32.88 0.45 -16.98	25.60 0.40 -10.92	24.22 0.21 -16.14
NEWTON___FALLS_HYD 23847	7.64 -0.09 -0.48	5.45 -0.11 -0.49	5.44 -0.12 -0.44	4.73 -0.10 -0.46	5.45 -0.11 -0.46	5.58 -0.07 -0.54	7.53 -0.08 -0.64	10.45 -0.10 -0.55	15.05 -0.12 -0.35	11.09 -0.15 -0.40	11.40 -0.27 -0.32	11.21 -0.27 -0.38	9.11 -0.23 -0.47	7.85 -0.24 -0.59	7.80 -0.25 -0.59	7.51 -0.23 -0.66	9.73 -0.30 -0.68	9.79 -0.26 -0.78	12.46 -0.30 -0.69	15.02 -0.33 -0.54	19.45 -0.25 -0.37	15.73 -0.15 -0.44	14.44 -0.13 -0.28	8.23 -0.06 -0.42
NGRID_A1_DSASP 323792	9.62 -0.09 -2.47	7.57 -0.03 -2.53	7.41 0.01 -2.28	6.76 -0.01 -2.40	7.44 -0.04 -2.37	7.84 -0.06 -2.79	10.06 -0.20 -3.28	12.24 -0.53 -2.76	14.66 -0.92 -0.75	12.07 -0.77 -2.00	12.19 -0.82 -1.65	12.25 -0.79 -1.94	10.70 -0.55 -2.38	10.12 -0.40 -3.01	10.08 -0.43 -3.06	10.09 -0.41 -3.42	12.33 -0.53 -3.51	12.61 -0.67 -4.01	14.83 -0.81 -3.56	16.58 -1.02 -2.79	19.75 -1.51 -1.93	16.55 -1.17 -2.28	14.78 -0.97 -1.47	9.85 -0.20 -2.18
NGRID_A2_DSASP 323793	9.62 -0.09 -2.47	7.57 -0.03 -2.53	7.41 0.01 -2.28	6.76 -0.01 -2.40	7.44 -0.04 -2.37	7.84 -0.06 -2.79	10.06 -0.20 -3.28	12.24 -0.53 -2.76	14.66 -0.92 -0.75	12.07 -0.77 -2.00	12.19 -0.82 -1.65	12.25 -0.79 -1.94	10.70 -0.55 -2.38	10.12 -0.40 -3.01	10.08 -0.43 -3.06	10.09 -0.41 -3.42	12.33 -0.53 -3.51	12.61 -0.67 -4.01	14.83 -0.81 -3.56	16.58 -1.02 -2.79	19.75 -1.51 -1.93	16.55 -1.17 -2.28	14.78 -0.97 -1.47	9.85 -0.20 -2.18
NGRID_A4_DSASP 323807	9.62 -0.09 -2.47	7.53 -0.07 -2.53	7.40 -0.01 -2.28	6.76 -0.01 -2.40	7.44 -0.04 -2.37	7.84 -0.06 -2.79	10.06 -0.20 -3.28	12.24 -0.53 -2.76	14.64 -0.93 -0.75	12.07 -0.77 -2.00	12.19 -0.82 -1.65	12.31 -0.73 -1.94	10.73 -0.52 -2.38	10.12 -0.40 -3.01	10.08 -0.43 -3.06	10.09 -0.41 -3.42	12.33 -0.53 -3.52	12.62 -0.67 -4.01	14.83 -0.81 -3.56	16.59 -1.02 -2.80	19.76 -1.51 -1.94	16.56 -1.17 -2.28	14.79 -0.97 -1.48	9.85 -0.20 -2.18
NIAGARA_115E_LBMP 323715	9.51 -0.22 -2.48	7.48 -0.13 -2.54	7.32 -0.09 -2.30	6.68 -0.11 -2.41	7.35 -0.14 -2.39	7.75 -0.16 -2.80	9.97 -0.31 -3.31	12.12 -0.72 -2.83	14.54 -1.05 -0.77	11.92 -0.96 -2.05	12.01 -1.01 -1.66	12.08 -0.98 -1.96	10.58 -0.70 -2.41	10.05 -0.51 -3.05	10.00 -0.55 -3.10	10.02 -0.52 -3.46	12.21 -0.70 -3.56	12.51 -0.82 -4.07	14.68 -1.00 -3.61	16.60 -1.04 -2.83	19.75 -1.53 -1.95	16.57 -1.19 -2.31	14.77 -1.00 -1.48	9.86 -0.20 -2.19

NIAGARA_115W_LBMP 323714	9.60 -0.11 -2.46	7.56 -0.04 -2.52	7.40 0.00 -2.28	6.74 -0.02 -2.39	7.43 -0.05 -2.37	7.82 -0.07 -2.78	10.04 -0.21 -3.27	12.21 -0.55 -2.76	14.65 -0.93 -0.76	12.04 -0.79 -1.99	12.16 -0.84 -1.65	12.22 -0.81 -1.94	10.68 -0.57 -2.38	10.10 -0.41 -3.01	10.04 -0.45 -3.05	10.06 -0.42 -3.41	12.29 -0.56 -3.50	12.58 -0.69 -4.00	14.79 -0.83 -3.55	16.53 -1.07 -2.79	19.69 -1.57 -1.93	16.52 -1.21 -2.27	14.74 -1.01 -1.47	9.83 -0.22 -2.18
NIAGARA_230_LBMP 323716	9.65 -0.03 -2.43	7.55 -0.01 -2.49	7.40 0.04 -2.25	6.74 0.01 -2.36	7.43 -0.01 -2.33	7.83 -0.02 -2.74	10.10 -0.12 -3.24	12.38 -0.40 -2.78	14.68 -0.93 -0.79	12.23 -0.62 -2.01	12.32 -0.66 -1.63	12.38 -0.63 -1.92	10.80 -0.43 -2.36	10.20 -0.29 -2.99	10.14 -0.34 -3.03	10.15 -0.32 -3.39	12.42 -0.41 -3.48	12.71 -0.54 -3.98	14.97 -0.64 -3.53	16.76 -0.81 -2.77	20.00 -1.24 -1.91	16.74 -0.96 -2.25	14.95 -0.79 -1.45	9.91 -0.11 -2.14
NIAGARA__115KV_198_GIBSON 55903	9.60 -0.11 -2.46	7.51 -0.09 -2.52	7.38 -0.02 -2.28	6.74 -0.02 -2.39	7.43 -0.05 -2.37	7.83 -0.07 -2.78	10.03 -0.21 -3.27	12.21 -0.55 -2.76	14.64 -0.93 -0.76	12.04 -0.79 -1.99	12.16 -0.84 -1.65	12.28 -0.75 -1.94	10.71 -0.54 -2.38	10.10 -0.41 -3.01	10.04 -0.45 -3.05	10.07 -0.42 -3.41	12.29 -0.56 -3.51	12.59 -0.69 -4.00	14.80 -0.83 -3.55	16.53 -1.07 -2.79	19.70 -1.57 -1.93	16.52 -1.20 -2.28	14.74 -1.01 -1.47	9.83 -0.22 -2.18
NIAGARA____ 23760	9.55 -0.17 -2.47	7.51 -0.10 -2.53	7.35 -0.06 -2.29	6.71 -0.07 -2.40	7.38 -0.10 -2.38	7.79 -0.12 -2.79	10.00 -0.26 -3.29	12.22 -0.58 -2.79	14.65 -0.96 -0.79	12.05 -0.81 -2.02	12.14 -0.86 -1.65	12.21 -0.83 -1.94	10.67 -0.59 -2.39	10.09 -0.44 -3.02	10.04 -0.48 -3.06	10.05 -0.47 -3.43	12.29 -0.58 -3.52	12.58 -0.70 -4.02	14.79 -0.86 -3.57	16.61 -0.99 -2.80	19.81 -1.45 -1.93	16.60 -1.13 -2.28	14.78 -0.97 -1.47	9.84 -0.21 -2.18
NINE_MILE_1 23575	8.34 -0.14 -1.23	6.22 -0.12 -1.26	6.15 -0.11 -1.14	5.47 -0.10 -1.20	6.17 -0.12 -1.19	6.39 -0.12 -1.39	8.46 -0.16 -1.65	11.15 -0.26 -1.41	15.28 -0.44 -0.90	11.54 -0.32 -1.02	11.85 -0.33 -0.83	11.75 -0.32 -0.97	9.82 -0.25 -1.20	8.83 -0.20 -1.52	8.79 -0.20 -1.54	8.61 -0.20 -1.72	10.86 -0.26 -1.77	11.01 -0.28 -2.02	13.51 -0.36 -1.79	15.77 -0.44 -1.41	19.74 -0.56 -0.97	16.15 -0.45 -1.15	14.59 -0.43 -0.74	8.78 -0.18 -1.09
NINE_MILE_2 23744	8.34 -0.14 -1.23	6.22 -0.12 -1.26	6.15 -0.11 -1.14	5.47 -0.10 -1.20	6.17 -0.12 -1.19	6.39 -0.12 -1.39	8.46 -0.16 -1.65	11.15 -0.26 -1.41	15.28 -0.44 -0.90	11.54 -0.32 -1.02	11.85 -0.33 -0.83	11.75 -0.32 -0.97	9.82 -0.25 -1.20	8.83 -0.20 -1.52	8.79 -0.20 -1.54	8.60 -0.20 -1.72	10.86 -0.26 -1.77	11.01 -0.28 -2.02	13.51 -0.36 -1.79	15.77 -0.44 -1.41	19.74 -0.56 -0.97	16.15 -0.45 -1.15	14.59 -0.43 -0.74	8.79 -0.17 -1.09
NM_CAPITAL____DRP 24208	25.52 0.25 -18.01	23.70 0.17 -18.46	21.97 0.18 -16.68	22.02 0.15 -17.50	22.62 0.18 -17.33	25.62 0.17 -20.34	31.27 0.22 -24.07	30.93 0.29 -20.63	28.43 0.46 -13.15	26.08 0.33 -14.91	23.79 0.34 -12.09	25.55 0.34 -14.11	26.57 0.29 -17.40	29.74 0.26 -21.98	29.87 0.25 -22.17	31.97 0.23 -24.66	34.97 0.31 -25.31	39.10 0.29 -29.54	38.67 0.37 -26.22	35.85 0.47 -20.56	34.14 0.62 -14.19	32.70 0.49 -16.76	25.50 0.44 -10.78	24.04 0.24 -15.92
NM_CENTRAL____DRP 24181	8.81 0.04 -1.52	6.62 -0.01 -1.56	6.52 0.00 -1.41	5.85 0.00 -1.48	6.56 -0.01 -1.46	6.83 0.01 -1.72	9.00 0.00 -2.03	11.72 -0.02 -1.74	15.83 -0.10 -1.11	12.02 -0.08 -1.26	12.32 -0.06 -1.02	12.29 -0.01 -1.20	10.33 -0.02 -1.48	9.38 0.01 -1.87	9.34 -0.01 -1.90	9.18 -0.02 -2.12	11.50 -0.03 -2.18	11.72 -0.05 -2.49	14.22 -0.07 -2.21	16.44 -0.10 -1.73	20.43 -0.10 -1.20	16.77 -0.09 -1.41	15.08 -0.11 -0.91	9.22 0.01 -1.34
NM_FRONTIER____DRP 24179	9.60 -0.11 -2.46	7.51 -0.09 -2.52	7.38 -0.02 -2.28	6.74 -0.02 -2.39	7.43 -0.05 -2.37	7.83 -0.07 -2.78	10.03 -0.21 -3.27	12.21 -0.55 -2.76	14.64 -0.93 -0.76	12.04 -0.79 -1.99	12.16 -0.84 -1.65	12.28 -0.75 -1.94	10.71 -0.54 -2.38	10.10 -0.41 -3.01	10.04 -0.45 -3.05	10.07 -0.42 -3.41	12.29 -0.56 -3.51	12.59 -0.69 -4.00	14.80 -0.83 -3.55	16.53 -1.07 -2.79	19.70 -1.57 -1.93	16.52 -1.20 -2.28	14.74 -1.01 -1.47	9.83 -0.22 -2.18
NM_ST_REGIS____HYD 24053	6.98 -0.28 0.00	4.88 -0.19 0.00	4.90 -0.21 0.00	4.19 -0.18 0.00	4.92 -0.19 0.00	4.93 -0.18 0.00	6.76 -0.21 0.00	9.75 -0.25 0.00	14.51 -0.31 0.00	10.60 -0.24 0.00	11.03 -0.33 0.00	10.72 -0.38 0.00	8.56 -0.31 0.00	7.18 -0.32 0.00	7.13 -0.32 0.00	6.80 -0.28 0.00	8.97 -0.37 0.00	8.94 -0.32 0.00	11.67 -0.41 0.00	14.35 -0.46 0.00	18.79 -0.54 0.00	15.11 -0.34 0.00	14.01 -0.27 0.00	7.66 -0.21 0.00
NORTHPORT____1 23551	27.70 0.54 -19.90	23.81 0.38 -18.36	21.33 0.38 -15.83	21.09 0.32 -16.39	23.79 0.37 -18.31	26.24 0.38 -20.75	31.59 0.56 -24.05	30.56 0.83 -19.73	28.83 1.29 -12.72	24.59 0.99 -12.76	27.38 1.01 -15.02	29.15 0.97 -17.08	29.19 0.74 -19.58	29.13 0.60 -21.03	30.05 0.55 -22.05	31.88 0.52 -24.29	35.81 0.73 -25.73	41.56 0.76 -31.53	42.40 0.98 -29.34	42.15 1.17 -26.17	47.00 1.51 -26.17	35.25 1.21 -18.60	31.47 1.16 -16.03	29.64 0.62 -21.15
NORTHPORT____2 23552	27.66 0.51 -19.90	23.79 0.36 -18.36	21.30 0.35 -15.83	21.06 0.30 -16.39	23.76 0.34 -18.31	26.21 0.35 -20.75	31.55 0.53 -24.05	30.51 0.78 -19.73	28.76 1.22 -12.72	24.53 0.93 -12.76	27.33 0.95 -15.02	29.08 0.90 -17.08	29.12 0.67 -19.58	29.08 0.55 -21.03	29.99 0.50 -22.04	31.82 0.46 -24.28	35.74 0.66 -25.73	41.47 0.69 -31.52	42.31 0.89 -29.34	42.04 1.07 -26.16	46.84 1.35 -26.16	35.12 1.08 -18.59	31.36 1.06 -16.02	29.59 0.57 -21.15
NORTHPORT____3 23553	27.77 0.62 -19.90	23.86 0.43 -18.35	21.37 0.43 -15.82	21.12 0.36 -16.39	23.83 0.42 -18.30	26.28 0.42 -20.74	31.65 0.63 -24.05	30.65 0.92 -19.73	28.98 1.44 -12.72	24.69 1.09 -12.76	27.50 1.12 -15.02	29.28 1.10 -17.08	29.30 0.85 -19.58	29.24 0.71 -21.03	30.17 0.67 -22.05	31.97 0.60 -24.29	35.91 0.83 -25.73	41.64 0.84 -31.53	42.51 1.09 -29.34	42.27 1.29 -26.17	47.16 1.66 -26.17	35.36 1.31 -18.60	31.57 1.26 -16.03	29.74 0.72 -21.15
NORTHPORT____4 23650	27.77 0.62 -19.90	23.86 0.43 -18.35	21.37 0.43 -15.82	21.12 0.36 -16.39	23.83 0.42 -18.30	26.28 0.42 -20.74	31.65 0.63 -24.05	30.65 0.92 -19.73	28.98 1.44 -12.72	24.69 1.09 -12.76	27.50 1.12 -15.02	29.28 1.10 -17.08	29.30 0.85 -19.58	29.24 0.71 -21.03	30.17 0.67 -22.05	31.97 0.60 -24.29	35.91 0.83 -25.73	41.64 0.84 -31.53	42.51 1.09 -29.34	42.27 1.29 -26.17	47.16 1.66 -26.17	35.36 1.31 -18.60	31.57 1.26 -16.03	29.74 0.72 -21.15
NORTHPORT____IC 23718	27.70 0.54 -19.90	23.81 0.38 -18.36	21.33 0.38 -15.83	21.09 0.32 -16.39	23.79 0.37 -18.31	26.24 0.38 -20.75	31.59 0.56 -24.05	30.56 0.83 -19.73	28.83 1.29 -12.72	24.59 0.99 -12.76	27.38 1.01 -15.02	29.15 0.97 -17.08	29.19 0.74 -19.58	29.13 0.60 -21.03	30.05 0.55 -22.05	31.88 0.52 -24.29	35.81 0.73 -25.73	41.56 0.76 -31.53	42.40 0.98 -29.34	42.15 1.17 -26.17	47.00 1.51 -26.17	35.25 1.21 -18.60	31.47 1.16 -16.03	29.64 0.62 -21.15

NORTH__COUNTRY_ESR 323785	6.89 -0.36 0.00	4.81 -0.26 0.00	4.82 -0.30 0.00	4.13 -0.24 0.00	4.86 -0.25 0.00	4.89 -0.22 0.00	6.74 -0.24 0.00	9.74 -0.26 0.00	14.52 -0.30 0.00	10.68 -0.16 0.00	11.13 -0.23 0.00	10.77 -0.33 0.00	8.60 -0.27 0.00	7.22 -0.29 0.00	7.24 -0.21 0.00	6.94 -0.14 0.00	9.15 -0.20 0.00	9.18 -0.09 0.00	11.98 -0.10 0.00	14.72 -0.09 0.00	19.16 -0.17 0.00	15.28 -0.17 0.00	14.11 -0.17 0.00	7.68 -0.19 0.00
NPX_GEN_1385_PROXY 323591	27.66 0.51 -19.90	23.79 0.36 -18.36	21.30 0.35 -15.83	21.06 0.30 -16.39	23.76 0.34 -18.31	26.21 0.35 -20.75	31.57 0.54 -24.05	30.53 0.80 -19.73	28.80 1.26 -12.72	24.55 0.95 -12.76	27.35 0.98 -15.02	29.10 0.92 -17.08	29.15 0.70 -19.58	29.10 0.56 -21.03	30.00 0.51 -22.04	31.83 0.47 -24.28	35.76 0.68 -25.73	41.49 0.70 -31.52	42.33 0.92 -29.34	42.07 1.10 -26.16	46.88 1.39 -26.16	35.15 1.11 -18.59	31.39 1.08 -16.02	29.59 0.57 -21.15
NPX_GEN_CSC 323557	27.71 0.56 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.26 0.41 -20.74	31.61 0.59 -24.05	30.59 0.86 -19.73	28.79 1.25 -12.72	24.55 0.95 -12.76	27.32 0.94 -15.02	29.10 0.92 -17.08	29.15 0.70 -19.58	29.09 0.56 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.73 0.64 -25.73	41.48 0.69 -31.53	42.40 0.98 -29.34	42.21 1.23 -26.17	47.06 1.56 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.64 0.61 -21.15
NSINS_S_GLNS_FALLS 23858	26.39 0.36 -18.79	24.56 0.24 -19.25	22.75 0.25 -17.39	22.84 0.21 -18.25	23.43 0.25 -18.07	26.58 0.26 -21.21	32.46 0.38 -25.11	32.03 0.52 -21.51	29.29 0.76 -13.71	26.92 0.53 -15.55	24.52 0.56 -12.61	26.38 0.55 -14.73	27.54 0.50 -18.17	30.94 0.48 -22.96	31.10 0.48 -23.16	33.34 0.47 -25.79	36.35 0.52 -26.48	40.57 0.49 -30.81	40.03 0.60 -27.34	36.92 0.67 -21.44	35.15 1.02 -14.80	33.73 0.80 -17.48	26.24 0.71 -11.24	24.87 0.39 -16.61
NUCOR_STEEL__DRP 24197	9.37 0.15 -1.97	7.15 0.06 -2.02	7.01 0.07 -1.82	6.35 0.06 -1.91	7.07 0.07 -1.89	7.42 0.08 -2.22	9.72 0.12 -2.63	12.40 0.14 -2.25	16.38 0.12 -1.44	12.55 0.08 -1.63	12.78 0.10 -1.32	12.79 0.13 -1.56	10.88 0.10 -1.92	10.03 0.11 -2.42	10.00 0.09 -2.46	9.90 0.07 -2.75	12.28 0.10 -2.83	12.58 0.08 -3.23	15.04 0.10 -2.86	17.19 0.13 -2.24	21.11 0.23 -1.55	17.45 0.17 -1.83	15.59 0.13 -1.18	9.76 0.15 -1.74
NUMBER_THREE_WT_PWR 323818	8.01 0.12 -0.64	5.70 -0.03 -0.66	5.69 -0.03 -0.60	4.97 -0.03 -0.63	5.70 -0.03 -0.62	5.89 0.05 -0.73	7.92 0.08 -0.86	10.85 0.11 -0.74	15.44 0.15 -0.47	11.40 0.02 -0.53	11.66 -0.12 -0.43	11.50 -0.11 -0.51	9.42 -0.08 -0.63	8.19 -0.11 -0.79	8.15 -0.10 -0.81	7.87 -0.11 -0.90	10.15 -0.12 -0.93	10.23 -0.09 -1.06	12.96 -0.06 -0.94	15.53 -0.01 -0.74	20.09 0.25 -0.51	16.16 0.11 -0.60	14.75 0.09 -0.39	8.57 0.13 -0.57
NYISO_LBMP_REFERENCE 24008	7.25 0.00 0.00	5.07 0.00 0.00	5.12 0.00 0.00	4.37 0.00 0.00	5.11 0.00 0.00	5.11 0.00 0.00	6.97 0.00 0.00	10.00 0.00 0.00	14.82 0.00 0.00	10.84 0.00 0.00	11.35 0.00 0.00	11.10 0.00 0.00	8.87 0.00 0.00	7.50 0.00 0.00	7.45 0.00 0.00	7.08 0.00 0.00	9.35 0.00 0.00	9.27 0.00 0.00	12.08 0.00 0.00	14.81 0.00 0.00	19.33 0.00 0.00	15.45 0.00 0.00	14.28 0.00 0.00	7.87 0.00 0.00
NYPA_BRENTWD__GT 24164	27.76 0.61 -19.90	23.84 0.43 -18.34	21.36 0.43 -15.82	21.11 0.36 -16.38	23.81 0.42 -18.29	26.26 0.42 -20.72	31.66 0.64 -24.05	30.66 0.93 -19.73	28.98 1.44 -12.72	24.68 1.08 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.20 0.67 -21.03	30.12 0.63 -22.05	31.96 0.59 -24.29	35.92 0.84 -25.73	41.67 0.87 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.25 1.76 -26.17	35.45 1.41 -18.60	31.64 1.33 -16.03	29.72 0.70 -21.15
NYPA_GOWANUS__GT5 24156	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NYPA_GOWANUS__GT6 24157	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.82 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.20 1.41 -11.47	30.09 1.10 -13.54	24.08 1.08 -8.71	21.34 0.60 -12.87
NYPA_HARLEM_RVR_GT1 24160	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.81 0.27 -16.43	26.81 0.39 -19.45	27.27 0.61 -16.66	26.47 1.04 -10.61	23.72 0.83 -12.04	22.03 0.91 -9.76	23.62 0.90 -11.62	23.86 0.68 -14.30	26.19 0.56 -18.13	26.49 0.54 -18.49	28.41 0.51 -20.82	31.50 0.69 -21.46	33.89 0.71 -23.91	34.14 0.88 -21.18	32.42 1.01 -16.61	32.06 1.28 -11.46	29.96 0.97 -13.53	23.99 1.00 -8.71	21.34 0.60 -12.87
NYPA_HARLEM_RVR_GT2 24161	22.26 0.46 -14.56	20.32 0.33 -14.92	18.92 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.81 0.27 -16.43	26.81 0.39 -19.45	27.27 0.61 -16.66	26.47 1.04 -10.61	23.72 0.83 -12.04	22.03 0.91 -9.76	23.62 0.90 -11.62	23.86 0.68 -14.30	26.19 0.56 -18.13	26.49 0.54 -18.49	28.41 0.51 -20.82	31.50 0.69 -21.46	33.89 0.71 -23.91	34.14 0.88 -21.18	32.42 1.01 -16.61	32.06 1.28 -11.46	29.96 0.97 -13.53	23.99 1.00 -8.71	21.34 0.60 -12.87
NYPA_KENT__GT 24152	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.43 -19.45	27.33 0.66 -16.67	26.54 1.10 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.69 0.95 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.46 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.51 1.08 -16.61	32.19 1.39 -11.47	30.07 1.08 -13.54	24.06 1.07 -8.71	21.33 0.59 -12.87
NYPA_POUCH1__GT 24155	22.26 0.45 -14.56	20.30 0.31 -14.92	18.89 0.30 -13.48	18.76 0.24 -14.14	19.39 0.28 -14.00	21.80 0.25 -16.43	26.81 0.38 -19.45	27.24 0.57 -16.67	26.40 0.96 -10.61	23.67 0.79 -12.04	21.98 0.86 -9.76	23.58 0.85 -11.62	23.82 0.65 -14.30	26.16 0.53 -18.13	26.46 0.52 -18.49	28.41 0.50 -20.82	31.49 0.67 -21.46	33.87 0.70 -23.91	34.12 0.86 -21.18	32.39 0.98 -16.61	32.04 1.26 -11.46	30.01 1.02 -13.54	24.03 1.04 -8.71	21.31 0.57 -12.87
NYPA_VERNON__GT2 24162	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.32 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.29 -16.43	26.86 0.43 -19.45	27.33 0.66 -16.67	26.54 1.10 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.67 0.94 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.56 0.74 -21.47	33.94 0.76 -23.91	34.21 0.94 -21.19	32.51 1.08 -16.61	32.17 1.37 -11.47	30.06 1.07 -13.54	24.05 1.06 -8.71	21.33 0.59 -12.87

NYPA_VERNON____GT3 24163	22.27	20.31	18.91	18.78	19.41	21.83	26.86	27.33	26.54	23.78	22.08	23.67	23.90	26.24	26.53	28.46	31.56	33.94	34.21	32.51	32.17	30.06	24.05	21.33
	0.46	0.32	0.32	0.26	0.30	0.29	0.43	0.66	1.10	0.89	0.95	0.94	0.72	0.59	0.57	0.55	0.74	0.76	0.94	1.08	1.37	1.07	1.06	0.59
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.47	-13.54	-8.71	-12.87
NYPA____ASTORIA_CC1 323568	22.26	20.31	18.91	18.78	19.41	21.83	26.85	27.32	26.52	23.76	22.07	23.66	23.89	26.22	26.52	28.45	31.54	33.92	34.18	32.48	32.15	30.03	24.03	21.32
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.87	0.94	0.93	0.71	0.58	0.57	0.54	0.72	0.74	0.92	1.05	1.35	1.04	1.04	0.58
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.47	-13.54	-8.71	-12.87
NYPA____ASTORIA_CC2 323569	22.26	20.31	18.91	18.78	19.41	21.83	26.85	27.32	26.52	23.76	22.07	23.66	23.89	26.22	26.52	28.45	31.54	33.92	34.18	32.48	32.15	30.03	24.03	21.32
	0.46	0.32	0.31	0.26	0.30	0.28	0.42	0.65	1.08	0.87	0.94	0.93	0.71	0.58	0.57	0.54	0.72	0.74	0.92	1.05	1.35	1.04	1.04	0.58
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.67	-10.62	-12.05	-9.77	-11.63	-14.31	-18.14	-18.50	-20.83	-21.47	-23.91	-21.19	-16.61	-11.47	-13.54	-8.71	-12.87
NYPA____HOLTSVILL 23794	27.72	23.83	21.35	21.11	23.81	26.26	31.64	30.62	28.89	24.63	27.41	29.19	29.22	29.14	30.06	31.88	35.83	41.58	42.46	42.24	47.10	35.36	31.55	29.68
	0.57	0.41	0.41	0.35	0.40	0.40	0.61	0.89	1.35	1.03	1.03	1.01	0.77	0.61	0.56	0.52	0.75	0.78	1.04	1.26	1.60	1.31	1.24	0.65
	-19.90	-18.35	-15.82	-16.38	-18.30	-20.74	-24.05	-19.73	-12.72	-12.76	-15.02	-17.08	-19.58	-21.03	-22.05	-24.29	-25.73	-31.53	-29.34	-26.17	-26.17	-18.60	-16.03	-21.15
NYPA____HELLGATE_GT1 24158	22.26	20.32	18.92	18.78	19.41	21.81	26.81	27.27	26.47	23.72	22.03	23.62	23.86	26.19	26.49	28.41	31.50	33.89	34.14	32.42	32.06	29.96	23.99	21.34
	0.46	0.33	0.32	0.27	0.30	0.27	0.39	0.61	1.04	0.83	0.91	0.90	0.68	0.56	0.54	0.51	0.69	0.71	0.88	1.01	1.28	0.97	1.00	0.60
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.66	-10.61	-12.04	-9.76	-11.62	-14.30	-18.13	-18.49	-20.82	-21.46	-23.91	-21.18	-16.61	-11.46	-13.53	-8.71	-12.87
NYPA____HELLGATE_GT2 24159	22.26	20.32	18.92	18.78	19.41	21.81	26.81	27.27	26.47	23.72	22.03	23.62	23.86	26.19	26.49	28.41	31.50	33.89	34.14	32.42	32.06	29.96	23.99	21.34
	0.46	0.33	0.32	0.27	0.30	0.27	0.39	0.61	1.04	0.83	0.91	0.90	0.68	0.56	0.54	0.51	0.69	0.71	0.88	1.01	1.28	0.97	1.00	0.60
	-14.56	-14.92	-13.48	-14.14	-14.00	-16.43	-19.45	-16.66	-10.61	-12.04	-9.76	-11.62	-14.30	-18.13	-18.49	-20.82	-21.46	-23.91	-21.18	-16.61	-11.46	-13.53	-8.71	-12.87
NYS_BARGE____HYD 23848	9.60	7.53	7.37	6.71	7.40	7.80	10.05	12.27	14.73	12.11	12.22	12.28	10.72	10.14	10.09	10.09	12.34	12.61	14.87	16.78	20.02	16.76	14.96	9.93
	-0.08	-0.03	0.01	-0.02	-0.04	-0.05	-0.17	-0.50	-0.86	-0.74	-0.76	-0.73	-0.51	-0.35	-0.39	-0.38	-0.50	-0.63	-0.74	-0.80	-1.22	-0.94	-0.77	-0.09
	-2.43	-2.49	-2.25	-2.36	-2.34	-2.74	-3.24	-2.77	-0.77	-2.00	-1.63	-1.92	-2.36	-2.99	-3.03	-3.39	-3.48	-3.98	-3.53	-2.77	-1.91	-2.26	-1.45	-2.15
OAK ORCHARD____HYD 24046	9.33	7.16	7.04	6.36	7.07	7.41	9.67	12.22	15.96	12.30	12.52	12.50	10.72	9.91	9.86	9.78	12.09	12.34	14.78	16.85	20.54	17.05	15.26	9.70
	0.11	0.07	0.09	0.07	0.06	0.07	0.06	-0.04	-0.30	-0.17	-0.16	-0.16	-0.07	-0.02	-0.06	-0.06	-0.09	-0.17	-0.17	-0.21	-0.35	-0.23	-0.20	0.08
	-1.97	-2.02	-1.83	-1.92	-1.90	-2.23	-2.64	-2.26	-1.44	-1.63	-1.32	-1.56	-1.92	-2.43	-2.46	-2.76	-2.84	-3.24	-2.87	-2.25	-1.55	-1.83	-1.18	-1.74
OAKDALE__35_KV_LOAD 356122	12.08	9.93	9.53	8.98	9.68	10.46	13.32	15.48	18.63	14.78	14.59	14.92	13.52	13.34	13.35	13.66	16.16	16.99	18.98	20.28	23.21	19.93	17.21	12.15
	0.19	0.10	0.11	0.10	0.11	0.11	0.15	0.16	0.16	0.10	0.12	0.16	0.12	0.12	0.10	0.09	0.14	0.11	0.14	0.18	0.23	0.17	0.16	0.17
	-4.64	-4.75	-4.29	-4.51	-4.46	-5.24	-6.20	-5.31	-3.64	-3.84	-3.12	-3.67	-4.52	-5.72	-5.80	-6.49	-6.67	-7.61	-6.75	-5.29	-3.65	-4.32	-2.78	-4.10
OCC_CHEM____DRP 24175	9.62	7.53	7.40	6.76	7.44	7.84	10.06	12.24	14.64	12.07	12.19	12.31	10.73	10.12	10.08	10.09	12.33	12.62	14.83	16.59	19.76	16.56	14.79	9.85
	-0.09	-0.07	-0.01	-0.01	-0.04	-0.06	-0.20	-0.53	-0.93	-0.77	-0.82	-0.73	-0.52	-0.40	-0.43	-0.41	-0.53	-0.67	-0.81	-1.02	-1.51	-1.17	-0.97	-0.20
	-2.47	-2.53	-2.28	-2.40	-2.37	-2.79	-3.28	-2.76	-0.75	-2.00	-1.65	-1.94	-2.38	-3.01	-3.06	-3.42	-3.52	-4.01	-3.56	-2.80	-1.94	-2.28	-1.48	-2.18
OH_GEN_PROXY 24063	9.66	7.57	7.41	6.75	7.44	7.84	10.12	12.41	14.81	12.26	12.35	12.41	10.83	10.22	10.17	10.17	12.45	12.74	15.00	16.80	20.06	16.80	14.98	9.92
	-0.02	0.00	0.04	0.01	-0.01	-0.02	-0.10	-0.38	-0.90	-0.60	-0.64	-0.61	-0.41	-0.28	-0.32	-0.30	-0.39	-0.52	-0.62	-0.79	-1.18	-0.91	-0.76	-0.10
	-2.43	-2.49	-2.25	-2.36	-2.34	-2.75	-3.25	-2.79	-0.89	-2.01	-1.63	-1.92	-2.37	-2.99	-3.04	-3.40	-3.49	-3.99	-3.54	-2.77	-1.91	-2.26	-1.46	-2.15
OLIN_CORP_DRP 24177	9.55	7.49	7.34	6.71	7.39	7.80	10.03	12.19	14.81	11.99	12.08	12.21	10.67	10.10	10.05	10.08	12.28	12.57	14.77	16.63	19.80	16.61	14.81	9.88
	-0.20	-0.14	-0.09	-0.09	-0.12	-0.13	-0.29	-0.67	-0.79	-0.91	-0.95	-0.87	-0.63	-0.48	-0.51	-0.50	-0.65	-0.79	-0.94	-1.01	-1.49	-1.14	-0.96	-0.19
	-2.50	-2.56	-2.31	-2.42	-2.40	-2.82	-3.34	-2.86	-0.77	-2.06	-1.68	-1.97	-2.43	-3.07	-3.12	-3.49	-3.59	-4.09	-3.63	-2.83	-1.95	-2.31	-1.48	-2.19
OLIN_CORP_DSASP 323712	9.62	7.57	7.41	6.76	7.44	7.84	10.06	12.24	14.66	12.07	12.19	12.25	10.70	10.12	10.08	10.09	12.33	12.61	14.83	16.58	19.75	16.55	14.78	9.85
	-0.09	-0.03	0.01	-0.01	-0.04	-0.06	-0.20	-0.53	-0.92	-0.77	-0.82	-0.79	-0.55	-0.40	-0.43	-0.41	-0.53	-0.67	-0.81	-1.02	-1.51	-1.17	-0.97	-0.20
	-2.47	-2.53	-2.28	-2.40	-2.37	-2.79	-3.28	-2.76	-0.75	-2.00	-1.65	-1.94	-2.38	-3.01	-3.06	-3.42	-3.51	-4.01	-3.56	-2.79	-1.93	-2.28	-1.47	-2.18
ONEIDA_HERK_LFGE 323681	7.98	5.70	5.69	4.96	5.69	5.84	7.85	10.80	15.47	11.41	11.79	11.62	9.48	8.24	8.20	7.89	10.21	10.26	13.01	15.62	20.12	16.21	14.81	8.54
	0.16	0.05	0.05	0.03	0.04	0.09	0.12	0.15	0.24	0.10	0.06	0.07	0.05	0.04	0.04	0.02	0.05	0.06	0.11	0.16	0.35	0.23	0.19	0.17
	-0.57	-0.58	-0.53	-0.55	-0.55	-0.64	-0.76	-0.65	-0.41	-0.47	-0.38	-0.45	-0.55	-0.70	-0.71	-0.79	-0.82	-0.93	-0.83	-0.65	-0.45	-0.53	-0.34	-0.50
ONEIDA____115KV_TB4 55905	8.49	6.20	6.16	5.44	6.17	6.37	8.48	11.37	15.87	11.83	12.22	12.14	10.00	8.88	8.84	8.60	10.96	11.07	13.77	16.24	20.60	16.75	15.18	8.98
	0.24	0.11	0.12	0.10	0.11	0.13	0.17	0.23	0.33	0.16	0.19	0.26	0.16	0.15	0.14	0.13	0.18	0.17	0.24	0.30	0.48	0.37	0.30	0.23
	-1.00	-1.02	-0.92	-0.97	-0.96	-1.13	-1.33	-1.14	-0.73	-0.83	-0.67	-0.79	-0.97	-1.23	-1.24	-1.39	-1.43	-1.64	-1.45	-1.14	-0.78	-0.93	-0.60	-0.88

ONONDAGA_REF_OCCRA 23987	9.13 0.07 -1.82	6.94 0.01 -1.86	6.81 0.02 -1.68	6.15 0.01 -1.77	6.87 0.01 -1.75	7.18 0.02 -2.05	9.43 0.03 -2.43	12.10 0.02 -2.08	16.12 -0.03 -1.33	12.31 -0.03 -1.50	12.56 -0.01 -1.22	12.56 0.02 -1.44	10.65 0.01 -1.77	9.77 0.03 -2.24	9.74 0.01 -2.27	9.62 0.00 -2.54	11.97 0.01 -2.61	12.24 -0.01 -2.98	14.70 -0.02 -2.64	16.85 -0.03 -2.07	20.74 -0.02 -1.43	17.12 -0.02 -1.69	15.31 -0.06 -1.09	9.52 0.04 -1.61
ONONDAGA___COGEN 23986	9.03 0.08 -1.70	6.83 0.02 -1.74	6.71 0.02 -1.58	6.04 0.02 -1.65	6.76 0.02 -1.64	7.06 0.03 -1.92	9.28 0.03 -2.27	11.98 0.03 -1.95	16.03 -0.03 -1.24	12.22 -0.03 -1.41	12.50 0.00 -1.14	12.48 0.03 -1.35	10.55 0.02 -1.66	9.63 0.03 -2.10	9.59 0.01 -2.13	9.47 0.01 -2.38	11.80 0.01 -2.45	12.05 -0.01 -2.79	14.53 -0.02 -2.48	16.72 -0.03 -1.94	20.67 0.00 -1.34	17.02 -0.02 -1.58	15.26 -0.04 -1.02	9.42 0.05 -1.50
ONTARIO___LFGE 23819	9.20 0.10 -1.85	7.01 0.04 -1.89	6.88 0.06 -1.71	6.21 0.04 -1.79	6.93 0.04 -1.78	7.25 0.06 -2.09	9.51 0.07 -2.47	12.16 0.04 -2.11	16.05 -0.12 -1.35	12.29 -0.08 -1.53	12.55 -0.05 -1.24	12.51 -0.04 -1.46	10.66 -0.01 -1.80	9.80 0.02 -2.28	9.75 -0.01 -2.31	9.65 -0.01 -2.58	11.98 -0.02 -2.65	12.23 -0.06 -3.03	14.69 -0.07 -2.69	16.83 -0.09 -2.11	20.67 -0.12 -1.45	17.09 -0.08 -1.72	15.29 -0.10 -1.11	9.58 0.07 -1.63
ORANGEVILLE_WT_PWR 323706	10.28 0.07 -2.95	8.15 0.05 -3.03	7.93 0.08 -2.74	7.28 0.04 -2.87	7.98 0.03 -2.84	8.47 0.03 -3.34	10.90 -0.02 -3.95	13.17 -0.21 -3.38	12.12 -0.56 2.14	12.90 -0.39 -2.44	12.93 -0.40 -1.98	13.06 -0.37 -2.33	11.51 -0.23 -2.87	10.98 -0.15 -3.63	10.95 -0.19 -3.68	11.01 -0.18 -4.12	13.36 -0.22 -4.23	13.80 -0.31 -4.83	16.03 -0.34 -4.29	17.77 -0.40 -3.36	21.01 -0.64 -2.32	17.68 -0.51 -2.74	15.64 -0.41 -1.77	10.51 0.02 -2.61
ORANGEVILLE___ESR 323794	10.28 0.07 -2.95	8.15 0.05 -3.03	7.93 0.08 -2.74	7.28 0.04 -2.87	7.98 0.03 -2.84	8.47 0.03 -3.34	10.90 -0.02 -3.95	13.17 -0.21 -3.38	12.12 -0.56 2.14	12.90 -0.39 -2.44	12.93 -0.40 -1.98	13.06 -0.37 -2.33	11.51 -0.23 -2.87	10.98 -0.15 -3.63	10.95 -0.19 -3.68	11.01 -0.18 -4.12	13.36 -0.22 -4.23	13.80 -0.31 -4.83	16.03 -0.34 -4.29	17.77 -0.40 -3.36	21.01 -0.64 -2.32	17.68 -0.51 -2.74	15.64 -0.41 -1.77	10.51 0.02 -2.61
OSWEGATCHIE___HYD 24044	7.64 -0.09 -0.48	5.45 -0.12 -0.49	5.44 -0.12 -0.44	4.73 -0.11 -0.46	5.45 -0.11 -0.46	5.58 -0.07 -0.54	7.54 -0.08 -0.64	10.45 -0.10 -0.55	15.05 -0.12 -0.35	11.09 -0.15 -0.40	11.40 -0.27 -0.32	11.20 -0.28 -0.38	9.12 -0.21 -0.47	7.85 -0.24 -0.59	7.80 -0.25 -0.60	7.51 -0.23 -0.67	9.74 -0.30 -0.69	9.79 -0.26 -0.78	12.47 -0.30 -0.70	15.03 -0.33 -0.55	19.45 -0.25 -0.38	15.74 -0.15 -0.44	14.44 -0.13 -0.29	8.23 -0.06 -0.42
OSWEGO___5 23606	8.55 -0.09 -1.39	6.41 -0.09 -1.43	6.33 -0.08 -1.29	5.66 -0.07 -1.35	6.36 -0.09 -1.34	6.60 -0.08 -1.57	8.72 -0.11 -1.86	11.41 -0.19 -1.59	15.48 -0.36 -1.02	11.73 -0.26 -1.15	12.03 -0.26 -0.93	11.96 -0.24 -1.10	10.04 -0.19 -1.36	9.08 -0.14 -1.72	9.03 -0.16 -1.74	8.87 -0.16 -1.95	11.15 -0.20 -2.00	11.33 -0.22 -2.28	13.81 -0.29 -2.03	16.04 -0.36 -1.59	19.98 -0.44 -1.10	16.39 -0.35 -1.29	14.77 -0.34 -0.83	8.98 -0.13 -1.23
OSWEGO___6 23613	8.55 -0.09 -1.39	6.41 -0.09 -1.43	6.33 -0.08 -1.29	5.66 -0.07 -1.35	6.36 -0.09 -1.34	6.60 -0.08 -1.57	8.72 -0.11 -1.86	11.41 -0.19 -1.59	15.48 -0.36 -1.02	11.73 -0.26 -1.15	12.03 -0.26 -0.93	11.96 -0.24 -1.10	10.04 -0.19 -1.36	9.08 -0.14 -1.72	9.03 -0.16 -1.74	8.87 -0.16 -1.95	11.15 -0.20 -2.00	11.33 -0.22 -2.28	13.81 -0.29 -2.03	16.04 -0.36 -1.59	19.98 -0.44 -1.10	16.39 -0.35 -1.29	14.77 -0.34 -0.83	8.98 -0.13 -1.23
OUTOKUMPU-AB___DRP 24206	9.79 0.01 -2.52	7.67 0.01 -2.58	7.52 0.07 -2.33	6.87 0.04 -2.45	7.57 0.04 -2.43	7.98 0.02 -2.85	10.25 -0.08 -3.36	12.47 -0.39 -2.86	14.81 -0.71 -0.70	12.29 -0.62 -2.06	12.41 -0.64 -1.69	12.54 -0.54 -1.99	10.94 -0.37 -2.44	10.35 -0.24 -3.09	10.30 -0.28 -3.13	10.32 -0.27 -3.51	12.59 -0.36 -3.61	12.89 -0.50 -4.12	15.17 -0.57 -3.66	17.00 -0.68 -2.87	20.25 -1.06 -1.98	16.97 -0.82 -2.34	15.13 -0.66 -1.51	10.07 -0.03 -2.23
OXBOW____ 24026	9.72 -0.03 -2.49	7.64 0.02 -2.56	7.48 0.06 -2.31	6.82 0.03 -2.42	7.52 0.01 -2.40	7.91 -0.02 -2.82	10.17 -0.13 -3.32	12.38 -0.44 -2.81	14.74 -0.82 -0.73	12.20 -0.67 -2.03	12.32 -0.70 -1.67	12.38 -0.68 -1.96	10.83 -0.45 -2.41	10.26 -0.30 -3.05	10.21 -0.34 -3.10	10.22 -0.33 -3.46	12.48 -0.43 -3.56	12.77 -0.57 -4.06	15.02 -0.66 -3.60	16.83 -0.81 -2.83	20.03 -1.26 -1.96	16.78 -0.97 -2.31	14.99 -0.79 -1.49	9.97 -0.10 -2.20
OXY_CHEM_DSASP 323612	9.62 -0.09 -2.47	7.53 -0.07 -2.53	7.40 -0.01 -2.28	6.76 -0.01 -2.40	7.44 -0.04 -2.37	7.84 -0.06 -2.79	10.06 -0.20 -3.28	12.24 -0.53 -2.76	14.64 -0.93 -0.75	12.07 -0.77 -2.00	12.19 -0.82 -1.65	12.31 -0.73 -1.94	10.73 -0.52 -2.38	10.12 -0.40 -3.01	10.08 -0.43 -3.06	10.09 -0.41 -3.42	12.33 -0.53 -3.52	12.62 -0.67 -4.01	14.83 -0.81 -3.56	16.59 -1.02 -2.80	19.76 -1.51 -1.94	16.56 -1.17 -2.28	14.79 -0.97 -1.48	9.85 -0.20 -2.18
OZONE_PARK_ESR 323760	22.31 0.50 -14.56	20.33 0.34 -14.92	18.93 0.34 -13.48	18.80 0.28 -14.14	19.44 0.33 -14.00	21.88 0.33 -16.43	26.91 0.49 -19.45	27.41 0.74 -16.67	26.66 1.22 -10.62	23.84 0.95 -12.05	22.15 1.02 -9.77	23.72 0.99 -11.63	23.95 0.77 -14.31	26.27 0.63 -18.14	26.57 0.62 -18.50	28.50 0.59 -20.83	31.62 0.79 -21.47	34.00 0.82 -23.91	34.29 1.03 -21.19	32.61 1.18 -16.61	32.34 1.55 -11.46	30.18 1.19 -13.54	24.15 1.16 -8.71	21.37 0.63 -12.87
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	9.62 -0.09 -2.47	7.53 -0.07 -2.53	7.40 -0.01 -2.28	6.76 -0.01 -2.40	7.44 -0.04 -2.37	7.84 -0.06 -2.79	10.06 -0.20 -3.28	12.24 -0.53 -2.76	14.64 -0.93 -0.75	12.07 -0.77 -2.00	12.19 -0.82 -1.65	12.31 -0.73 -1.94	10.73 -0.52 -2.38	10.12 -0.40 -3.01	10.08 -0.43 -3.06	10.09 -0.41 -3.42	12.33 -0.53 -3.52	12.62 -0.67 -4.01	14.83 -0.81 -3.56	16.59 -1.02 -2.80	19.76 -1.51 -1.94	16.56 -1.17 -2.28	14.79 -0.97 -1.48	9.85 -0.20 -2.18
PACKARD__115KV_DUPONT_184 80571	9.62 -0.09 -2.47	7.53 -0.07 -2.53	7.40 -0.01 -2.28	6.76 -0.01 -2.40	7.44 -0.04 -2.37	7.84 -0.06 -2.79	10.06 -0.20 -3.28	12.24 -0.53 -2.76	14.64 -0.93 -0.75	12.07 -0.77 -2.00	12.19 -0.82 -1.65	12.31 -0.73 -1.94	10.73 -0.52 -2.38	10.12 -0.40 -3.01	10.08 -0.43 -3.06	10.09 -0.41 -3.42	12.33 -0.53 -3.52	12.62 -0.67 -4.01	14.83 -0.81 -3.56	16.59 -1.02 -2.80	19.76 -1.51 -1.94	16.56 -1.17 -2.28	14.79 -0.97 -1.48	9.85 -0.20 -2.18
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	22.27 0.46 -14.56	20.32 0.33 -14.92	18.91 0.32 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.82 0.27 -16.43	26.82 0.39 -19.45	27.27 0.60 -16.67	26.47 1.02 -10.62	23.71 0.82 -12.05	22.02 0.90 -9.77	23.61 0.88 -11.63	23.86 0.67 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.89 0.70 -23.91	34.13 0.87 -21.19	32.42 0.99 -16.61	32.07 1.28 -11.46	29.96 0.97 -13.54	23.99 1.00 -8.71	21.34 0.60 -12.87

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	22.32 0.51 -14.56	20.35 0.37 -14.92	18.95 0.36 -13.48	18.81 0.30 -14.14	19.45 0.34 -14.00	21.86 0.31 -16.43	26.84 0.41 -19.45	27.31 0.64 -16.67	26.51 1.07 -10.62	23.75 0.86 -12.05	22.03 0.91 -9.77	23.66 0.93 -11.63	23.86 0.67 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.89 0.70 -23.91	34.15 0.88 -21.19	32.45 1.02 -16.61	32.09 1.30 -11.46	29.99 1.00 -13.54	24.02 1.03 -8.71	21.39 0.65 -12.87
PATROON__115KV_TB1 80586	25.85 0.24 -18.36	24.05 0.16 -18.81	22.28 0.17 -17.00	22.35 0.14 -17.84	22.94 0.17 -17.66	26.01 0.16 -20.73	31.73 0.22 -24.54	31.31 0.28 -21.03	28.67 0.44 -13.40	26.36 0.31 -15.20	24.01 0.33 -12.33	25.86 0.34 -14.41	26.95 0.30 -17.78	30.23 0.26 -22.47	30.41 0.28 -22.68	32.59 0.25 -25.26	35.61 0.32 -25.95	39.68 0.29 -30.13	39.19 0.37 -26.74	36.24 0.46 -20.97	34.40 0.60 -14.47	33.02 0.48 -17.09	25.70 0.43 -10.99	24.34 0.23 -16.24
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	9.94 -0.04 -2.73	7.84 -0.04 -2.80	7.66 0.01 -2.53	7.02 -0.01 -2.66	7.71 -0.03 -2.63	8.17 -0.03 -3.09	10.48 -0.18 -3.69	12.72 -0.44 -3.16	14.99 -0.86 -1.03	12.48 -0.64 -2.28	12.55 -0.66 -1.85	12.72 -0.57 -2.18	11.16 -0.40 -2.69	10.62 -0.29 -3.40	10.58 -0.32 -3.45	10.62 -0.32 -3.86	12.91 -0.41 -3.97	13.28 -0.47 -4.49	15.52 -0.54 -3.98	17.28 -0.65 -3.12	20.48 -1.01 -2.15	17.19 -0.80 -2.54	15.25 -0.67 -1.64	10.20 -0.09 -2.42
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.38 0.44 -14.69	20.43 0.30 -15.05	19.01 0.29 -13.60	18.91 0.27 -14.27	19.54 0.30 -14.13	22.00 0.30 -16.59	27.05 0.45 -19.63	27.44 0.62 -16.82	26.52 0.98 -10.72	23.74 0.74 -12.16	22.06 0.84 -9.86	23.63 0.81 -11.72	23.94 0.65 -14.43	26.35 0.56 -18.28	26.64 0.55 -18.63	28.58 0.54 -20.97	31.67 0.72 -21.60	34.13 0.73 -24.13	34.38 0.92 -21.38	32.67 1.10 -16.77	32.29 1.39 -11.57	30.21 1.10 -13.67	24.04 0.97 -8.79	21.38 0.52 -12.98
PEEKSKILL____ 23653	22.23 0.41 -14.57	20.28 0.28 -14.93	18.88 0.28 -13.48	18.77 0.24 -14.15	19.40 0.28 -14.01	21.83 0.28 -16.45	26.85 0.41 -19.47	27.28 0.60 -16.68	26.41 0.96 -10.63	23.64 0.75 -12.06	21.95 0.82 -9.78	23.54 0.80 -11.64	23.80 0.61 -14.32	26.17 0.52 -18.15	26.46 0.50 -18.51	28.40 0.47 -20.85	31.48 0.64 -21.49	33.86 0.66 -23.93	34.10 0.82 -21.20	32.41 0.98 -16.63	32.04 1.24 -11.47	29.97 0.97 -13.55	23.92 0.93 -8.71	21.24 0.49 -12.87
PGE MADISON__WINDPWR 24146	11.99 0.67 -4.08	9.57 0.32 -4.18	9.23 0.34 -3.77	8.60 0.27 -3.96	9.35 0.32 -3.92	10.07 0.36 -4.60	12.98 0.56 -5.45	15.43 0.76 -4.67	19.25 1.07 -3.36	14.79 0.57 -3.37	14.70 0.61 -2.74	14.98 0.65 -3.22	13.36 0.51 -3.97	12.98 0.45 -5.03	12.99 0.44 -5.10	13.16 0.38 -5.70	15.77 0.56 -5.86	16.56 0.59 -6.69	18.85 0.83 -5.94	20.52 1.05 -4.65	24.09 1.55 -3.21	20.48 1.24 -3.79	17.81 1.08 -2.44	12.16 0.68 -3.60
PIERCEFIELD__HYD 23852	7.00 -0.25 0.00	4.89 -0.18 0.00	4.92 -0.19 0.00	4.20 -0.17 0.00	4.93 -0.17 0.00	4.94 -0.17 0.00	6.76 -0.22 0.00	9.73 -0.27 0.00	14.48 -0.34 0.00	10.57 -0.27 0.00	10.98 -0.37 0.00	10.71 -0.39 0.00	8.54 -0.33 0.00	7.16 -0.34 0.00	7.09 -0.36 0.00	6.75 -0.33 0.00	8.92 -0.43 0.00	8.87 -0.40 0.00	11.57 -0.51 0.00	14.23 -0.58 0.00	18.65 -0.68 0.00	15.05 -0.40 0.00	13.97 -0.31 0.00	7.65 -0.22 0.00
PINELAWN_CC_1 323563	27.75 0.59 -19.90	23.77 0.41 -18.28	21.31 0.41 -15.78	21.06 0.35 -16.34	23.73 0.40 -18.22	26.17 0.40 -20.66	31.64 0.61 -24.05	30.63 0.90 -19.73	28.94 1.39 -12.72	24.65 1.05 -12.76	27.45 1.08 -15.02	29.22 1.04 -17.08	29.26 0.81 -19.58	29.19 0.66 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.84 0.76 -25.73	41.58 0.78 -31.53	42.44 1.01 -29.34	42.20 1.21 -26.17	46.98 1.49 -26.17	35.30 1.25 -18.60	31.61 1.30 -16.03	29.71 0.68 -21.15
PJM_GEN_HTP_PROXY 323702	22.26 0.46 -14.56	20.30 0.31 -14.91	18.90 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.45 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87
PJM_GEN_KEystone 24065	16.52 0.23 -9.04	14.50 0.16 -9.27	13.66 0.17 -8.37	13.30 0.14 -8.79	13.96 0.15 -8.70	15.47 0.15 -10.21	19.24 0.18 -12.09	20.56 0.20 -10.36	21.44 0.21 -6.42	18.52 0.20 -7.49	17.64 0.22 -6.07	18.54 0.22 -7.22	17.94 0.19 -8.88	18.93 0.17 -11.25	19.07 0.15 -11.47	20.12 0.13 -12.90	22.85 0.21 -13.29	24.30 0.18 -14.86	25.47 0.23 -13.16	25.37 0.24 -10.32	26.70 0.25 -7.12	24.06 0.20 -8.41	19.92 0.23 -5.41	16.11 0.24 -7.99
PJM_GEN_NEPTUNE_PROXY 323594	24.66 0.52 -16.89	21.59 0.37 -16.15	19.80 0.36 -14.32	19.63 0.31 -14.95	21.01 0.35 -15.55	23.45 0.36 -17.98	28.96 0.53 -21.46	28.79 0.78 -18.00	27.59 1.23 -11.54	24.15 0.95 -12.36	24.39 0.98 -12.06	26.07 0.95 -14.01	26.22 0.74 -16.61	27.51 0.60 -19.40	28.08 0.57 -20.05	29.96 0.54 -22.34	33.43 0.75 -23.33	37.27 0.76 -27.24	37.80 0.98 -24.75	36.75 1.16 -20.79	38.70 1.49 -17.88	32.36 1.16 -15.75	27.33 1.14 -11.90	24.97 0.61 -16.48
PJM_GEN_VFT_PROXY 323633	22.24 0.44 -14.56	20.28 0.29 -14.92	18.88 0.29 -13.48	18.76 0.24 -14.14	19.39 0.28 -14.00	21.83 0.28 -16.43	26.84 0.42 -19.45	27.31 0.64 -16.67	26.52 1.08 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.65 0.92 -11.63	23.86 0.68 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.90 0.71 -23.91	34.16 0.89 -21.19	32.42 0.99 -16.61	32.09 1.30 -11.46	29.99 1.00 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
PLATSBRG_115KV_PMLD1 355749	6.97 -0.28 0.00	4.87 -0.21 0.00	4.87 -0.25 0.00	4.17 -0.21 0.00	4.90 -0.20 0.00	4.94 -0.17 0.00	6.82 -0.15 0.00	9.86 -0.14 0.00	14.70 -0.12 0.00	10.81 -0.03 0.00	11.25 -0.10 0.00	10.83 -0.27 0.00	8.67 -0.20 0.00	7.29 -0.22 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.25 -0.09 0.00	9.29 0.02 0.00	12.13 0.05 0.00	14.91 0.10 0.00	19.41 0.08 0.00	15.46 0.02 0.00	14.28 0.00 0.00	7.76 -0.11 0.00
PLEASANTVLY__LBMP 24000	22.89 0.38 -15.25	20.96 0.26 -15.63	19.50 0.26 -14.12	19.41 0.22 -14.82	20.03 0.26 -14.67	22.59 0.26 -17.22	27.72 0.36 -20.38	27.99 0.53 -17.46	26.79 0.84 -11.13	24.11 0.65 -12.62	22.28 0.69 -10.24	23.96 0.67 -12.19	24.39 0.52 -15.00	26.95 0.44 -19.01	27.26 0.42 -19.39	29.32 0.40 -21.85	32.41 0.54 -22.52	34.87 0.55 -25.05	34.97 0.70 -22.20	33.05 0.83 -17.41	32.40 1.06 -12.01	30.47 0.83 -14.19	24.21 0.80 -9.12	21.78 0.43 -13.48
PLSNTVLE_13_KV_13.8KVDIST 80602	22.34 0.43 -14.66	20.39 0.29 -15.02	18.98 0.29 -13.57	18.86 0.25 -14.24	19.49 0.29 -14.10	21.95 0.29 -16.55	26.99 0.43 -19.59	27.41 0.63 -16.78	26.52 1.01 -10.69	23.75 0.78 -12.13	22.03 0.84 -9.84	23.62 0.81 -11.71	23.92 0.64 -14.41	26.30 0.53 -18.27	26.60 0.51 -18.63	28.55 0.49 -20.98	31.64 0.66 -21.62	34.02 0.67 -24.08	34.26 0.85 -21.33	32.53 0.99 -16.73	32.17 1.30 -11.54	30.07 0.99 -13.64	23.99 0.94 -8.77	21.33 0.50 -12.95

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	22.34 0.43 -14.66	20.39 0.29 -15.02	18.98 0.29 -13.57	18.86 0.25 -14.24	19.49 0.29 -14.10	21.95 0.29 -16.55	26.99 0.43 -19.59	27.41 0.63 -16.78	26.52 1.01 -10.69	23.75 0.78 -12.13	22.03 0.84 -9.84	23.62 0.81 -11.71	23.92 0.64 -14.41	26.30 0.53 -18.27	26.60 0.51 -18.63	28.55 0.49 -20.98	31.64 0.66 -21.62	34.02 0.67 -24.08	34.26 0.85 -21.33	32.53 0.99 -16.73	32.17 1.30 -11.54	30.07 0.99 -13.64	23.99 0.94 -8.77	21.33 0.50 -12.95
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	22.50 0.40 -14.85	20.56 0.27 -15.22	19.13 0.27 -13.75	19.03 0.23 -14.43	19.65 0.26 -14.29	22.15 0.27 -16.77	27.17 0.35 -19.85	27.54 0.53 -17.00	26.49 0.83 -10.84	23.77 0.64 -12.29	22.00 0.68 -9.97	23.49 0.65 -11.74	23.86 0.52 -14.46	26.24 0.44 -18.30	26.43 0.42 -18.55	28.25 0.41 -20.76	31.26 0.56 -21.35	34.22 0.57 -24.37	34.44 0.75 -21.61	32.65 0.89 -16.95	32.18 1.16 -11.70	30.16 0.90 -13.81	23.99 0.83 -8.88	21.48 0.48 -13.12
POLETTI____ 23519	22.25 0.44 -14.56	20.29 0.30 -14.92	18.89 0.30 -13.48	18.77 0.26 -14.14	19.40 0.29 -14.00	21.84 0.29 -16.43	26.85 0.43 -19.45	27.32 0.65 -16.67	26.51 1.07 -10.62	23.73 0.85 -12.05	22.05 0.92 -9.77	23.62 0.89 -11.63	23.86 0.68 -14.31	26.21 0.56 -18.14	26.50 0.54 -18.50	28.43 0.52 -20.83	31.52 0.70 -21.47	33.90 0.71 -23.91	34.16 0.89 -21.19	32.45 1.02 -16.61	32.11 1.31 -11.46	30.01 1.02 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
PORT_JEFF_3 23555	27.75 0.59 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.82 0.41 -18.30	26.27 0.42 -20.74	31.66 0.63 -24.05	30.65 0.92 -19.73	28.94 1.39 -12.72	24.66 1.06 -12.76	27.44 1.07 -15.02	29.21 1.03 -17.08	29.25 0.80 -19.58	29.17 0.64 -21.03	30.09 0.59 -22.05	31.91 0.55 -24.29	35.88 0.79 -25.73	41.62 0.82 -31.53	42.50 1.07 -29.34	42.29 1.30 -26.17	47.18 1.68 -26.17	35.42 1.37 -18.60	31.61 1.30 -16.03	29.70 0.68 -21.15
PORT_JEFF_4 23616	27.75 0.59 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.82 0.41 -18.30	26.27 0.42 -20.74	31.66 0.63 -24.05	30.65 0.92 -19.73	28.94 1.39 -12.72	24.66 1.06 -12.76	27.44 1.07 -15.02	29.21 1.03 -17.08	29.25 0.80 -19.58	29.17 0.64 -21.03	30.09 0.59 -22.05	31.91 0.55 -24.29	35.88 0.79 -25.73	41.62 0.82 -31.53	42.50 1.07 -29.34	42.29 1.30 -26.17	47.18 1.68 -26.17	35.42 1.37 -18.60	31.61 1.30 -16.03	29.70 0.68 -21.15
PORT_JEFF_IC 23713	27.75 0.60 -19.90	23.85 0.43 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.42 -18.30	26.27 0.42 -20.73	31.67 0.65 -24.05	30.67 0.94 -19.73	28.97 1.42 -12.72	24.67 1.07 -12.76	27.46 1.09 -15.02	29.24 1.06 -17.08	29.26 0.82 -19.58	29.18 0.65 -21.03	30.10 0.60 -22.05	31.93 0.56 -24.29	35.89 0.81 -25.73	41.65 0.85 -31.53	42.51 1.09 -29.34	42.30 1.32 -26.17	47.18 1.68 -26.17	35.47 1.42 -18.60	31.65 1.34 -16.03	29.72 0.69 -21.15
PPL PILGRIM_ST_GT1 24216	27.76 0.61 -19.90	23.84 0.43 -18.34	21.36 0.43 -15.82	21.11 0.36 -16.38	23.81 0.42 -18.29	26.26 0.42 -20.72	31.66 0.64 -24.05	30.66 0.93 -19.73	28.98 1.44 -12.72	24.68 1.08 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.20 0.67 -21.03	30.12 0.63 -22.05	31.96 0.59 -24.29	35.92 0.84 -25.73	41.67 0.87 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.25 1.76 -26.17	35.45 1.41 -18.60	31.64 1.33 -16.03	29.72 0.70 -21.15
PPL PILGRIM_ST_GT2 24217	27.76 0.61 -19.90	23.84 0.43 -18.34	21.36 0.43 -15.82	21.11 0.36 -16.38	23.81 0.42 -18.29	26.26 0.42 -20.72	31.66 0.64 -24.05	30.66 0.93 -19.73	28.98 1.44 -12.72	24.68 1.08 -12.76	27.47 1.10 -15.02	29.25 1.07 -17.08	29.27 0.83 -19.58	29.20 0.67 -21.03	30.12 0.63 -22.05	31.96 0.59 -24.29	35.92 0.84 -25.73	41.67 0.87 -31.53	42.56 1.14 -29.34	42.36 1.38 -26.17	47.25 1.76 -26.17	35.45 1.41 -18.60	31.64 1.33 -16.03	29.72 0.70 -21.15
PPL_SHRM_GT3 24213	27.72 0.57 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.27 0.42 -20.74	31.61 0.59 -24.05	30.58 0.85 -19.73	28.77 1.23 -12.72	24.55 0.95 -12.76	27.30 0.93 -15.02	29.09 0.91 -17.08	29.14 0.69 -19.58	29.08 0.55 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.72 0.64 -25.73	41.48 0.69 -31.53	42.41 0.99 -29.34	42.21 1.23 -26.17	47.08 1.59 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.64 0.61 -21.15
PPL_SHRM_GT4 24214	27.72 0.57 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.27 0.42 -20.74	31.61 0.59 -24.05	30.58 0.85 -19.73	28.77 1.23 -12.72	24.55 0.95 -12.76	27.30 0.93 -15.02	29.09 0.91 -17.08	29.14 0.69 -19.58	29.08 0.55 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.72 0.64 -25.73	41.48 0.69 -31.53	42.41 0.99 -29.34	42.21 1.23 -26.17	47.08 1.59 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.64 0.61 -21.15
PROJECT____ORANGE 1 24174	8.83 0.04 -1.54	6.64 -0.01 -1.58	6.55 0.01 -1.42	5.87 0.00 -1.49	6.59 0.00 -1.48	6.86 0.01 -1.74	9.04 0.01 -2.06	11.75 -0.01 -1.76	15.85 -0.09 -1.12	12.05 -0.07 -1.27	12.34 -0.05 -1.03	12.32 0.00 -1.22	10.37 0.00 -1.50	9.41 0.02 -1.90	9.37 0.00 -1.92	9.22 -0.01 -2.15	11.55 -0.01 -2.21	11.76 -0.04 -2.52	14.26 -0.06 -2.24	16.48 -0.09 -1.76	20.44 -0.10 -1.21	16.80 -0.08 -1.43	15.10 -0.10 -0.92	9.25 0.02 -1.36
PROJECT____ORANGE 2 24166	8.83 0.04 -1.54	6.64 -0.01 -1.58	6.55 0.01 -1.42	5.87 0.00 -1.49	6.59 0.00 -1.48	6.86 0.01 -1.74	9.04 0.01 -2.06	11.75 -0.01 -1.76	15.85 -0.09 -1.12	12.05 -0.07 -1.27	12.34 -0.05 -1.03	12.32 0.00 -1.22	10.37 0.00 -1.50	9.41 0.02 -1.90	9.37 0.00 -1.92	9.22 -0.01 -2.15	11.55 -0.01 -2.21	11.76 -0.04 -2.52	14.26 -0.06 -2.24	16.48 -0.09 -1.76	20.44 -0.10 -1.21	16.80 -0.08 -1.43	15.10 -0.10 -0.92	9.25 0.02 -1.36
PUCKETT____SOLAR 323809	12.21 0.35 -4.61	9.99 0.19 -4.72	9.59 0.20 -4.27	9.02 0.17 -4.48	9.73 0.19 -4.43	10.53 0.21 -5.20	13.43 0.29 -6.16	15.64 0.36 -5.28	18.86 0.41 -3.63	14.87 0.22 -3.81	14.68 0.23 -3.09	14.98 0.23 -3.64	13.57 0.20 -4.49	13.38 0.19 -5.68	13.41 0.19 -5.76	13.69 0.17 -6.44	16.24 0.26 -6.63	17.10 0.27 -7.57	19.15 0.36 -6.71	20.53 0.46 -5.26	23.62 0.66 -3.63	20.25 0.51 -4.29	17.48 0.44 -2.76	12.28 0.33 -4.07
PYRITES____HYD 24023	7.08 -0.17 0.00	4.94 -0.13 0.00	4.97 -0.14 0.00	4.25 -0.13 0.00	4.98 -0.12 0.00	4.99 -0.12 0.00	6.82 -0.15 0.00	9.82 -0.18 0.00	14.63 -0.19 0.00	10.65 -0.20 0.00	11.06 -0.30 0.00	10.83 -0.27 0.00	8.62 -0.25 0.00	7.24 -0.26 0.00	7.20 -0.25 0.00	6.85 -0.23 0.00	9.05 -0.30 0.00	9.01 -0.26 0.00	11.76 -0.31 0.00	14.47 -0.34 0.00	18.94 -0.39 0.00	15.23 -0.22 0.00	14.11 -0.17 0.00	7.73 -0.14 0.00
QUAKERRD_115KV_BK1 80622	9.05 -0.07 -1.87	6.91 -0.08 -1.92	6.80 -0.05 -1.73	6.15 -0.05 -1.82	6.84 -0.07 -1.80	7.17 -0.06 -2.12	9.37 -0.11 -2.50	11.89 -0.26 -2.14	15.38 -0.61 -1.16	11.99 -0.40 -1.55	12.21 -0.40 -1.26	12.24 -0.34 -1.48	10.44 -0.26 -1.82	9.61 -0.20 -2.31	9.57 -0.22 -2.34	9.48 -0.22 -2.62	11.75 -0.29 -2.69	11.99 -0.35 -3.07	14.38 -0.42 -2.73	16.43 -0.52 -2.14	20.07 -0.73 -1.48	16.64 -0.56 -1.74	14.89 -0.51 -1.12	9.41 -0.12 -1.66

QUENSBRY_115KV_TB8 356137	26.39 0.34 -18.80	24.57 0.23 -19.26	22.76 0.24 -17.41	22.85 0.21 -18.27	23.44 0.25 -18.09	26.59 0.25 -21.23	32.48 0.38 -25.13	32.06 0.53 -21.53	29.31 0.77 -13.72	26.96 0.55 -15.56	24.54 0.57 -12.62	26.41 0.57 -14.74	27.57 0.51 -18.18	30.98 0.50 -22.98	31.14 0.50 -23.19	33.38 0.48 -25.82	36.39 0.53 -26.51	40.61 0.50 -30.84	40.05 0.60 -27.37	36.94 0.67 -21.46	35.16 1.02 -14.81	33.76 0.82 -17.49	26.25 0.71 -11.25	24.88 0.39 -16.62
RAMAPO____LBMP 323565	21.61 0.40 -13.96	19.65 0.27 -14.31	18.31 0.27 -12.93	18.17 0.23 -13.57	18.80 0.26 -13.43	21.15 0.27 -15.76	26.01 0.38 -18.66	26.55 0.56 -15.99	25.91 0.90 -10.19	23.10 0.70 -11.56	21.49 0.76 -9.37	23.00 0.74 -11.15	23.16 0.57 -13.72	25.36 0.47 -17.39	25.63 0.45 -17.74	27.47 0.42 -19.97	30.51 0.58 -20.58	32.79 0.58 -22.94	33.14 0.74 -20.32	31.61 0.86 -15.94	31.43 1.10 -11.00	29.30 0.87 -12.99	23.48 0.84 -8.35	20.68 0.46 -12.34
RANKINE____ 23646	9.98 0.04 -2.68	7.85 0.03 -2.75	7.67 0.07 -2.48	7.03 0.05 -2.60	7.73 0.04 -2.58	8.17 0.04 -3.03	10.51 -0.03 -3.57	12.79 -0.27 -3.06	14.72 -0.68 -0.58	12.58 -0.47 -2.21	12.67 -0.48 -1.79	12.82 -0.39 -2.11	11.22 -0.25 -2.60	10.63 -0.17 -3.29	10.58 -0.21 -3.34	10.61 -0.21 -3.74	12.92 -0.27 -3.84	13.28 -0.39 -4.40	15.54 -0.45 -3.90	17.34 -0.53 -3.06	20.57 -0.87 -2.11	17.26 -0.68 -2.49	15.34 -0.54 -1.60	10.24 0.00 -2.37
RAVENSWOOD_GT2_1 24244	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.74 0.86 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT2_2 24245	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.74 0.86 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT2_3 24246	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.65 0.92 -11.63	23.88 0.70 -14.31	26.22 0.58 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.17 1.37 -11.47	30.04 1.05 -13.54	24.03 1.04 -8.71	21.31 0.57 -12.87
RAVENSWOOD_GT2_4 24247	22.26 0.46 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.65 0.92 -11.63	23.88 0.70 -14.31	26.22 0.58 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.54 0.72 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.17 1.37 -11.47	30.04 1.05 -13.54	24.03 1.04 -8.71	21.31 0.57 -12.87
RAVENSWOOD_GT3_1 24248	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.74 0.86 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.02 1.03 -8.71	21.31 0.57 -12.87
RAVENSWOOD_GT3_2 24249	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.74 0.86 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.02 1.03 -8.71	21.31 0.57 -12.87
RAVENSWOOD_GT3_3 24250	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.45 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.65 0.92 -11.63	23.89 0.71 -14.31	26.23 0.59 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.20 0.93 -21.19	32.49 1.07 -16.61	32.19 1.39 -11.46	30.06 1.07 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
RAVENSWOOD_GT3_4 24251	22.26 0.46 -14.56	20.30 0.31 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.45 -19.45	27.34 0.67 -16.67	26.55 1.11 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.89 0.71 -14.31	26.23 0.59 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.20 0.93 -21.19	32.49 1.07 -16.61	32.19 1.39 -11.47	30.06 1.07 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
RAVENSWOOD_GT_1 23729	22.27 0.46 -14.56	20.31 0.32 -14.92	18.91 0.32 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.29 -16.43	26.86 0.43 -19.45	27.33 0.66 -16.67	26.54 1.10 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.67 0.94 -11.63	23.90 0.72 -14.31	26.24 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.56 0.74 -21.47	33.94 0.76 -23.91	34.21 0.94 -21.19	32.51 1.08 -16.61	32.17 1.37 -11.47	30.06 1.07 -13.54	24.05 1.06 -8.71	21.33 0.59 -12.87
RAVENSWOOD_GT_10 24258	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT_11 24259	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.74 0.86 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT_4 24252	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87



RAVENSWOOD_GT_5 24254	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT_6 24253	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT_7 24255	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.85 0.30 -16.43	26.87 0.44 -19.45	27.34 0.67 -16.67	26.54 1.10 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.03 1.04 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.75 0.86 -12.05	22.06 0.93 -9.77	23.63 0.90 -11.63	23.88 0.70 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
RAVENSWOOD_GT_9 24257	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.52 1.08 -10.62	23.74 0.86 -12.05	22.06 0.93 -9.77	23.64 0.91 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.52 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.17 0.91 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.02 1.03 -8.71	21.30 0.56 -12.87
RAVENSWOOD___1 23533	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.83 0.29 -16.43	26.85 0.43 -19.45	27.33 0.66 -16.67	26.54 1.10 -10.62	23.77 0.88 -12.05	22.08 0.95 -9.77	23.67 0.94 -11.63	23.89 0.71 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.55 0.73 -21.47	33.93 0.75 -23.91	34.20 0.93 -21.19	32.49 1.07 -16.61	32.15 1.37 -11.47	30.04 1.05 -13.54	24.05 1.06 -8.71	21.32 0.58 -12.87
RAVENSWOOD___2 23534	22.26 0.46 -14.56	20.31 0.32 -14.92	18.91 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.43 -19.45	27.32 0.65 -16.67	26.54 1.10 -10.62	23.77 0.88 -12.05	22.08 0.95 -9.77	23.66 0.93 -11.63	23.89 0.71 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.93 0.75 -23.91	34.20 0.93 -21.19	32.49 1.07 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.03 1.04 -8.71	21.32 0.58 -12.87
RAVENSWOOD___3 23535	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.84 0.30 -16.43	26.87 0.44 -19.45	27.33 0.66 -16.67	26.54 1.10 -10.62	23.76 0.87 -12.05	22.06 0.93 -9.77	23.65 0.92 -11.63	23.87 0.69 -14.31	26.21 0.57 -18.14	26.51 0.56 -18.50	28.44 0.53 -20.83	31.53 0.71 -21.47	33.91 0.73 -23.91	34.18 0.92 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.03 1.04 -8.71	21.31 0.57 -12.87
RAVENSWOOD___4 23820	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.43 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.66 0.93 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.20 0.93 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.47	30.04 1.05 -13.54	24.03 1.04 -8.71	21.31 0.57 -12.87
RCPL_TRUST___DRP 24196	22.27 0.46 -14.56	20.30 0.31 -14.91	18.90 0.31 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.85 0.31 -16.43	26.88 0.45 -19.45	27.35 0.68 -16.67	26.57 1.13 -10.62	23.77 0.88 -12.05	22.08 0.95 -9.77	23.65 0.92 -11.63	23.90 0.72 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.19 0.93 -21.19	32.51 1.08 -16.61	32.19 1.39 -11.46	30.07 1.08 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
RED___ROCHESTER 323720	9.36 0.14 -1.97	7.18 0.09 -2.02	7.06 0.12 -1.82	6.37 0.09 -1.91	7.09 0.09 -1.89	7.43 0.10 -2.22	9.70 0.10 -2.63	12.28 0.02 -2.25	15.87 -0.21 -1.26	12.36 -0.11 -1.63	12.60 -0.08 -1.32	12.58 -0.08 -1.55	10.77 -0.02 -1.91	9.96 0.03 -2.42	9.89 -0.01 -2.46	9.81 -0.01 -2.75	12.15 -0.03 -2.83	12.37 -0.12 -3.23	14.84 -0.10 -2.86	16.95 -0.10 -2.24	20.65 -0.23 -1.55	17.15 -0.12 -1.83	15.34 -0.11 -1.18	9.74 0.13 -1.74
REGAN___SOLAR 323812	29.34 0.69 -21.40	27.46 0.46 -21.93	25.39 0.46 -19.81	25.56 0.39 -20.80	26.17 0.47 -20.59	29.76 0.49 -24.17	36.23 0.66 -28.60	35.39 0.88 -24.51	31.64 1.20 -15.62	29.37 0.81 -17.71	26.54 0.82 -14.37	28.81 0.87 -16.84	30.38 0.75 -20.76	34.46 0.71 -26.25	34.69 0.69 -26.54	37.38 0.69 -29.61	40.70 0.93 -30.43	45.32 0.94 -35.12	44.49 1.26 -31.15	40.74 1.50 -24.43	38.20 2.01 -16.86	36.95 1.59 -19.91	28.46 1.37 -12.81	27.58 0.79 -18.92
RENSSELAER___COGEN 23796	25.48 0.23 -18.00	23.67 0.15 -18.45	21.94 0.16 -16.67	22.00 0.14 -17.49	22.59 0.16 -17.32	25.60 0.16 -20.33	31.24 0.20 -24.06	30.87 0.25 -20.61	28.34 0.38 -13.14	26.01 0.27 -14.90	23.73 0.28 -12.09	25.52 0.30 -14.12	26.53 0.25 -17.42	29.73 0.22 -22.01	29.87 0.22 -22.20	31.99 0.20 -24.72	34.99 0.26 -25.38	39.05 0.24 -29.54	38.62 0.33 -26.22	35.78 0.41 -20.56	34.04 0.52 -14.19	32.64 0.43 -16.76	25.44 0.39 -10.77	24.00 0.21 -15.91
REPUBLIC_115KV_BARTNBRK 55605	26.68 0.65 -18.79	24.76 0.44 -19.25	22.96 0.45 -17.39	23.01 0.38 -18.25	23.64 0.46 -18.07	26.80 0.48 -21.21	32.77 0.69 -25.10	32.47 0.96 -21.51	29.94 1.41 -13.71	27.40 1.01 -15.55	25.01 1.04 -12.61	26.92 1.09 -14.73	27.98 0.94 -18.17	31.37 0.92 -22.96	31.53 0.92 -23.16	33.76 0.89 -25.79	36.87 1.04 -26.48	41.04 0.96 -30.81	40.63 1.21 -27.34	37.63 1.38 -21.44	36.12 1.99 -14.80	34.52 1.59 -17.48	26.89 1.37 -11.24	25.23 0.75 -16.61
REVERE_CPPR_DRP 24186	8.40 0.28 -0.86	6.08 0.12 -0.88	6.05 0.13 -0.80	5.32 0.10 -0.84	6.06 0.12 -0.83	6.24 0.16 -0.97	8.33 0.21 -1.15	11.28 0.29 -0.99	15.88 0.43 -0.63	11.77 0.22 -0.71	12.16 0.23 -0.58	12.08 0.30 -0.68	9.91 0.20 -0.84	8.74 0.17 -1.06	8.70 0.17 -1.08	8.43 0.15 -1.20	10.79 0.21 -1.24	10.89 0.20 -1.41	13.62 0.29 -1.25	16.18 0.39 -0.98	20.63 0.62 -0.68	16.73 0.48 -0.80	15.18 0.39 -0.52	8.92 0.28 -0.76

REYNOLDS_115KV_TB3 80639	25.53 0.28 -18.01	23.71 0.19 -18.45	21.98 0.19 -16.67	22.03 0.17 -17.49	22.62 0.19 -17.32	25.63 0.19 -20.33	31.28 0.24 -24.06	30.94 0.32 -20.62	28.45 0.49 -13.14	26.09 0.35 -14.90	23.80 0.35 -12.09	25.54 0.34 -14.09	26.56 0.30 -17.39	29.72 0.26 -21.97	29.85 0.25 -22.14	31.95 0.24 -24.62	34.95 0.32 -25.28	39.10 0.30 -29.53	38.69 0.40 -26.21	35.87 0.50 -20.55	34.17 0.66 -14.18	32.73 0.53 -16.75	25.53 0.47 -10.77	24.05 0.26 -15.92
RIVERBAY____ 323610	22.32 0.51 -14.56	20.35 0.37 -14.92	18.95 0.36 -13.48	18.81 0.30 -14.14	19.45 0.34 -14.00	21.86 0.31 -16.43	26.84 0.41 -19.45	27.31 0.64 -16.67	26.51 1.07 -10.62	23.75 0.86 -12.05	22.03 0.91 -9.77	23.66 0.93 -11.63	23.86 0.67 -14.31	26.19 0.55 -18.14	26.49 0.54 -18.50	28.42 0.51 -20.83	31.51 0.69 -21.47	33.89 0.70 -23.91	34.15 0.88 -21.19	32.45 1.02 -16.61	32.09 1.30 -11.46	29.99 1.00 -13.54	24.02 1.03 -8.71	21.39 0.65 -12.87
RIVERSDE_115KV_TB3 55908	25.52 0.25 -18.01	23.70 0.17 -18.46	21.97 0.18 -16.68	22.02 0.15 -17.50	22.62 0.18 -17.33	25.62 0.17 -20.34	31.27 0.22 -24.07	30.93 0.29 -20.63	28.43 0.46 -13.15	26.08 0.33 -14.91	23.79 0.34 -12.09	25.55 0.34 -14.11	26.57 0.29 -17.40	29.74 0.26 -21.98	29.87 0.25 -22.17	31.97 0.23 -24.66	34.97 0.31 -25.31	39.10 0.29 -29.54	38.67 0.37 -26.22	35.85 0.47 -20.56	34.14 0.62 -14.19	32.70 0.49 -16.76	25.50 0.44 -10.78	24.04 0.24 -15.92
ROARING____BROOK_WT_PWR 323790	6.94 -0.31 0.00	4.84 -0.23 0.00	4.86 -0.26 0.00	4.16 -0.22 0.00	4.86 -0.25 0.00	4.88 -0.23 0.00	6.69 -0.28 0.00	9.68 -0.32 0.00	14.44 -0.39 0.00	10.57 -0.27 0.00	11.03 -0.33 0.00	10.72 -0.38 0.00	8.53 -0.34 0.00	7.19 -0.31 0.00	7.18 -0.28 0.00	6.83 -0.25 0.00	9.00 -0.35 0.00	8.94 -0.33 0.00	11.66 -0.42 0.00	14.34 -0.47 0.00	18.73 -0.60 0.00	14.97 -0.48 0.00	13.81 -0.47 0.00	7.57 -0.30 0.00
ROCHESRG_115KV_T4 355643	9.29 0.08 -1.96	7.10 0.03 -2.01	6.99 0.06 -1.81	6.32 0.05 -1.90	7.04 0.05 -1.88	7.37 0.05 -2.21	9.62 0.03 -2.62	12.15 -0.09 -2.24	15.67 -0.37 -1.22	12.23 -0.23 -1.62	12.45 -0.22 -1.31	12.48 -0.17 -1.55	10.67 -0.11 -1.90	9.85 -0.06 -2.41	9.80 -0.10 -2.44	9.72 -0.09 -2.74	12.03 -0.13 -2.81	12.27 -0.21 -3.21	14.70 -0.23 -2.85	16.76 -0.28 -2.23	20.43 -0.44 -1.54	16.96 -0.31 -1.82	15.18 -0.27 -1.17	9.64 0.04 -1.73
ROCHESTER_9_IC 23652	9.33 0.12 -1.97	7.14 0.06 -2.02	7.03 0.09 -1.82	6.35 0.07 -1.91	7.07 0.07 -1.89	7.42 0.08 -2.22	9.67 0.07 -2.63	12.22 -0.03 -2.25	15.80 -0.28 -1.26	12.31 -0.16 -1.63	12.54 -0.14 -1.32	12.55 -0.10 -1.55	10.74 -0.04 -1.91	9.92 -0.01 -2.42	9.86 -0.05 -2.46	9.78 -0.05 -2.75	12.10 -0.07 -2.83	12.34 -0.16 -3.23	14.78 -0.16 -2.86	16.86 -0.19 -2.24	20.55 -0.33 -1.55	17.06 -0.22 -1.83	15.27 -0.19 -1.18	9.70 0.09 -1.74
ROCKVIEW_13_KV_LD 356306	22.26 0.45 -14.56	20.29 0.30 -14.92	18.90 0.30 -13.48	18.78 0.26 -14.14	19.41 0.30 -14.00	21.85 0.31 -16.44	26.87 0.45 -19.45	27.34 0.67 -16.67	26.52 1.08 -10.62	23.72 0.83 -12.05	22.02 0.90 -9.77	23.60 0.87 -11.63	23.87 0.68 -14.31	26.21 0.57 -18.14	26.50 0.55 -18.50	28.44 0.53 -20.83	31.53 0.71 -21.47	33.91 0.72 -23.91	34.18 0.92 -21.19	32.49 1.07 -16.61	32.17 1.37 -11.46	30.04 1.05 -13.54	24.01 1.01 -8.71	21.28 0.54 -12.87
ROME____115KV_TB2 80656	8.40 0.28 -0.86	6.08 0.12 -0.88	6.05 0.13 -0.80	5.32 0.10 -0.84	6.06 0.12 -0.83	6.24 0.16 -0.97	8.33 0.21 -1.15	11.28 0.29 -0.99	15.88 0.43 -0.63	11.77 0.22 -0.71	12.16 0.23 -0.58	12.08 0.30 -0.68	9.91 0.20 -0.84	8.74 0.17 -1.06	8.70 0.17 -1.08	8.43 0.15 -1.20	10.79 0.21 -1.24	10.89 0.20 -1.41	13.62 0.29 -1.25	16.18 0.39 -0.98	20.63 0.62 -0.68	16.73 0.48 -0.80	15.18 0.39 -0.52	8.92 0.28 -0.76
ROSETON____1 23587	22.04 0.38 -14.40	20.09 0.26 -14.76	18.71 0.26 -13.33	18.59 0.22 -13.99	19.22 0.26 -13.85	21.63 0.26 -16.26	26.58 0.36 -19.24	27.03 0.54 -16.49	26.19 0.86 -10.51	23.42 0.66 -11.92	21.72 0.70 -9.67	23.30 0.70 -11.50	23.56 0.53 -14.16	25.89 0.44 -17.94	26.17 0.42 -18.30	28.08 0.40 -20.60	31.12 0.54 -21.23	33.48 0.56 -23.66	33.74 0.70 -20.96	32.08 0.83 -16.44	31.73 1.06 -11.34	29.68 0.83 -13.40	23.70 0.80 -8.62	21.04 0.44 -12.73
ROSETON____2 23588	22.04 0.38 -14.40	20.09 0.26 -14.76	18.71 0.26 -13.33	18.59 0.22 -13.99	19.22 0.26 -13.85	21.63 0.26 -16.26	26.58 0.36 -19.24	27.03 0.54 -16.49	26.19 0.86 -10.51	23.42 0.66 -11.92	21.72 0.70 -9.67	23.30 0.70 -11.50	23.56 0.53 -14.16	25.89 0.44 -17.94	26.17 0.42 -18.30	28.08 0.40 -20.60	31.12 0.54 -21.23	33.48 0.56 -23.66	33.74 0.70 -20.96	32.08 0.83 -16.44	31.73 1.06 -11.34	29.68 0.83 -13.40	23.70 0.80 -8.62	21.04 0.44 -12.73
ROTTDAM_115KV_TB3 80664	26.62 0.30 -19.07	24.81 0.20 -19.54	22.97 0.20 -17.65	23.07 0.17 -18.53	23.65 0.20 -18.34	26.85 0.21 -21.53	32.73 0.28 -25.48	32.22 0.38 -21.83	29.31 0.58 -13.91	27.04 0.41 -15.78	24.59 0.43 -12.80	26.51 0.43 -14.98	27.70 0.35 -18.47	31.17 0.32 -23.35	31.36 0.32 -23.58	33.67 0.30 -26.29	36.75 0.39 -27.00	40.93 0.38 -31.28	40.33 0.50 -27.75	37.17 0.59 -21.76	35.14 0.79 -15.02	33.82 0.63 -17.74	26.26 0.57 -11.41	25.05 0.32 -16.85
RUSSELL____1 23602	9.36 0.15 -1.97	7.16 0.07 -2.02	7.05 0.11 -1.82	6.37 0.09 -1.91	7.09 0.09 -1.89	7.44 0.10 -2.22	9.70 0.10 -2.63	12.27 0.02 -2.25	15.87 -0.21 -1.26	12.36 -0.11 -1.63	12.59 -0.08 -1.32	12.61 -0.04 -1.55	10.79 0.00 -1.91	9.95 0.03 -2.42	9.89 -0.01 -2.46	9.82 -0.01 -2.75	12.15 -0.03 -2.83	12.38 -0.12 -3.23	14.85 -0.10 -2.86	16.95 -0.10 -2.24	20.65 -0.23 -1.55	17.15 -0.12 -1.83	15.34 -0.11 -1.18	9.74 0.13 -1.74
RUSSELL____2 23532	9.36 0.15 -1.97	7.16 0.07 -2.02	7.05 0.11 -1.82	6.37 0.09 -1.91	7.09 0.09 -1.89	7.44 0.10 -2.22	9.70 0.10 -2.63	12.27 0.02 -2.25	15.87 -0.21 -1.26	12.36 -0.11 -1.63	12.59 -0.08 -1.32	12.61 -0.04 -1.55	10.79 0.00 -1.91	9.95 0.03 -2.42	9.89 -0.01 -2.46	9.82 -0.01 -2.75	12.15 -0.03 -2.83	12.38 -0.12 -3.23	14.85 -0.10 -2.86	16.95 -0.10 -2.24	20.65 -0.23 -1.55	17.15 -0.12 -1.83	15.34 -0.11 -1.18	9.74 0.13 -1.74
RUSSELL____3 23549	9.36 0.15 -1.97	7.16 0.07 -2.02	7.05 0.11 -1.82	6.37 0.09 -1.91	7.09 0.09 -1.89	7.44 0.10 -2.22	9.70 0.10 -2.63	12.27 0.02 -2.25	15.87 -0.21 -1.26	12.36 -0.11 -1.63	12.59 -0.08 -1.32	12.61 -0.04 -1.55	10.79 0.00 -1.91	9.95 0.03 -2.42	9.89 -0.01 -2.46	9.82 -0.01 -2.75	12.15 -0.03 -2.83	12.38 -0.12 -3.23	14.85 -0.10 -2.86	16.95 -0.10 -2.24	20.65 -0.23 -1.55	17.15 -0.12 -1.83	15.34 -0.11 -1.18	9.74 0.13 -1.74
RUSSELL____4 23556	9.36 0.15 -1.97	7.16 0.07 -2.02	7.05 0.11 -1.82	6.37 0.09 -1.91	7.09 0.09 -1.89	7.44 0.10 -2.22	9.70 0.10 -2.63	12.27 0.02 -2.25	15.87 -0.21 -1.26	12.36 -0.11 -1.63	12.59 -0.08 -1.32	12.61 -0.04 -1.55	10.79 0.00 -1.91	9.95 0.03 -2.42	9.89 -0.01 -2.46	9.82 -0.01 -2.75	12.15 -0.03 -2.83	12.38 -0.12 -3.23	14.85 -0.10 -2.86	16.95 -0.10 -2.24	20.65 -0.23 -1.55	17.15 -0.12 -1.83	15.34 -0.11 -1.18	9.74 0.13 -1.74

RUSSELL___STATION 23914	9.36 0.15 -1.97	7.16 0.07 -2.02	7.05 0.11 -1.82	6.37 0.09 -1.91	7.09 0.09 -1.89	7.44 0.10 -2.22	9.70 0.10 -2.63	12.27 0.02 -2.25	15.87 -0.21 -1.26	12.36 -0.11 -1.63	12.59 -0.08 -1.32	12.61 -0.04 -1.55	10.79 0.00 -1.91	9.95 0.03 -2.42	9.89 -0.01 -2.46	9.82 -0.01 -2.75	12.15 -0.03 -2.83	12.38 -0.12 -3.23	14.85 -0.10 -2.86	16.95 -0.10 -2.24	20.65 -0.23 -1.55	17.15 -0.12 -1.83	15.34 -0.11 -1.18	9.74 0.13 -1.74
S SALMON___HYD 24043	8.56 0.03 -1.28	6.35 -0.03 -1.31	6.27 -0.03 -1.18	5.59 -0.03 -1.24	6.30 -0.03 -1.23	6.54 -0.01 -1.44	8.68 0.00 -1.70	11.43 -0.03 -1.46	15.63 -0.12 -0.93	11.78 -0.12 -1.06	12.07 -0.14 -0.86	11.99 -0.12 -1.01	10.02 -0.10 -1.24	9.00 -0.08 -1.57	8.96 -0.09 -1.59	8.77 -0.09 -1.78	11.06 -0.12 -1.83	11.23 -0.13 -2.09	13.78 -0.16 -1.86	16.10 -0.16 -1.46	20.22 -0.12 -1.00	16.57 -0.06 -1.19	14.95 -0.10 -0.76	9.01 0.01 -1.13
S.PERRY___115KV_TB1 80734	10.41 0.36 -2.80	8.15 0.20 -2.87	7.95 0.24 -2.59	7.29 0.19 -2.72	8.02 0.21 -2.69	8.52 0.24 -3.16	11.00 0.29 -3.74	13.48 0.27 -3.21	21.74 0.10 -6.82	13.24 0.09 -2.31	13.32 0.09 -1.88	13.43 0.12 -2.21	11.66 0.06 -2.72	11.01 0.06 -3.45	10.98 0.04 -3.49	11.04 0.04 -3.91	13.46 0.08 -4.03	13.94 0.07 -4.60	16.35 0.19 -4.08	18.32 0.31 -3.20	21.90 0.37 -2.21	18.38 0.32 -2.61	16.23 0.27 -1.68	10.69 0.35 -2.47
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	9.84 0.02 -2.56	7.70 0.01 -2.63	7.55 0.06 -2.37	6.90 0.04 -2.49	7.60 0.03 -2.47	8.03 0.02 -2.89	10.33 -0.06 -3.42	12.61 -0.32 -2.93	14.63 -0.77 -0.58	12.43 -0.53 -2.12	12.52 -0.56 -1.72	12.66 -0.47 -2.02	11.05 -0.31 -2.49	10.44 -0.22 -3.15	10.39 -0.26 -3.19	10.41 -0.25 -3.58	12.70 -0.33 -3.68	13.02 -0.45 -4.20	15.29 -0.52 -3.73	17.08 -0.65 -2.92	20.34 -1.01 -2.02	17.05 -0.79 -2.38	15.19 -0.63 -1.53	10.10 -0.04 -2.27
SAWYER___23_KV_LOAD 55526	9.84 0.02 -2.56	7.70 0.01 -2.63	7.55 0.06 -2.37	6.90 0.04 -2.49	7.60 0.03 -2.47	8.03 0.02 -2.89	10.33 -0.06 -3.42	12.61 -0.32 -2.93	14.63 -0.77 -0.58	12.43 -0.53 -2.12	12.52 -0.56 -1.72	12.66 -0.47 -2.02	11.05 -0.31 -2.49	10.44 -0.22 -3.15	10.39 -0.26 -3.19	10.41 -0.25 -3.58	12.70 -0.33 -3.68	13.02 -0.45 -4.20	15.29 -0.52 -3.73	17.08 -0.65 -2.92	20.34 -1.01 -2.02	17.05 -0.79 -2.38	15.19 -0.63 -1.53	10.10 -0.04 -2.27
SELKIRK___I 23801	25.25 0.28 -17.73	23.43 0.19 -18.16	21.72 0.19 -16.41	21.76 0.17 -17.22	22.36 0.19 -17.05	25.32 0.19 -20.01	30.91 0.24 -23.69	30.63 0.33 -20.30	28.24 0.49 -12.93	25.86 0.35 -14.67	23.61 0.35 -11.90	25.40 0.36 -13.94	26.36 0.30 -17.19	29.50 0.26 -21.73	29.69 0.27 -21.97	31.84 0.25 -24.50	34.86 0.34 -25.18	38.67 0.32 -29.08	38.30 0.42 -25.80	35.56 0.52 -20.23	33.97 0.68 -13.96	32.50 0.56 -16.49	25.39 0.50 -10.61	23.82 0.28 -15.67
SELKIRK___II 23799	25.44 0.24 -17.95	23.63 0.16 -18.39	21.90 0.17 -16.62	21.95 0.14 -17.44	22.55 0.17 -17.27	25.54 0.16 -20.27	31.17 0.21 -23.99	30.84 0.28 -20.55	28.35 0.43 -13.10	26.01 0.31 -14.86	23.73 0.33 -12.05	25.54 0.33 -14.10	26.53 0.27 -17.39	29.72 0.23 -21.99	29.90 0.23 -22.21	32.06 0.22 -24.76	35.08 0.29 -25.44	38.99 0.28 -29.45	38.57 0.36 -26.13	35.76 0.46 -20.49	34.05 0.58 -14.14	32.63 0.48 -16.70	25.45 0.43 -10.74	23.98 0.24 -15.87
SENECA OSWGO___HYD 24041	8.68 -0.01 -1.44	6.51 -0.04 -1.47	6.42 -0.03 -1.33	5.74 -0.03 -1.39	6.45 -0.04 -1.38	6.70 -0.03 -1.62	8.85 -0.04 -1.92	11.56 -0.09 -1.64	15.66 -0.21 -1.05	11.87 -0.16 -1.19	12.18 -0.14 -0.96	12.11 -0.12 -1.13	10.16 -0.11 -1.40	9.20 -0.07 -1.77	9.16 -0.08 -1.79	9.00 -0.08 -2.01	11.30 -0.11 -2.06	11.50 -0.13 -2.36	14.00 -0.17 -2.09	16.24 -0.21 -1.64	20.23 -0.23 -1.13	16.60 -0.18 -1.34	14.94 -0.20 -0.86	9.09 -0.05 -1.27
SENECA___115KV_TB3 355854	9.99 0.06 -2.68	7.85 0.03 -2.75	7.68 0.08 -2.48	7.03 0.05 -2.60	7.73 0.05 -2.58	8.18 0.04 -3.03	10.52 -0.03 -3.57	12.81 -0.25 -3.06	14.74 -0.67 -0.58	12.60 -0.44 -2.21	12.68 -0.47 -1.79	12.83 -0.38 -2.11	11.23 -0.24 -2.60	10.64 -0.15 -3.29	10.60 -0.19 -3.34	10.63 -0.19 -3.74	12.94 -0.25 -3.84	13.28 -0.38 -4.40	15.56 -0.42 -3.90	17.35 -0.52 -3.06	20.61 -0.83 -2.11	17.29 -0.65 -2.49	15.37 -0.51 -1.60	10.26 0.02 -2.37
SENECA___ENERGY 23797	9.19 0.04 -1.91	7.02 -0.01 -1.95	6.89 0.01 -1.77	6.23 0.00 -1.85	6.94 -0.01 -1.83	7.28 0.02 -2.15	9.54 0.02 -2.55	12.18 -0.01 -2.18	16.06 -0.15 -1.39	12.31 -0.11 -1.58	12.56 -0.08 -1.28	12.52 -0.09 -1.51	10.67 -0.06 -1.86	9.83 -0.02 -2.35	9.78 -0.05 -2.38	9.69 -0.06 -2.67	12.01 -0.08 -2.74	12.30 -0.10 -3.13	14.73 -0.12 -2.78	16.84 -0.15 -2.18	20.68 -0.16 -1.50	17.08 -0.14 -1.77	15.28 -0.14 -1.14	9.57 0.01 -1.69
SHOEMAKER___GT 23640	20.83 0.33 -13.25	18.88 0.23 -13.57	17.60 0.22 -12.26	17.43 0.19 -12.87	18.07 0.21 -12.74	20.29 0.22 -14.96	24.98 0.31 -17.70	25.63 0.46 -15.17	25.21 0.73 -9.67	22.36 0.55 -10.96	20.85 0.60 -8.89	22.27 0.59 -10.58	22.34 0.45 -13.02	24.37 0.37 -16.50	24.62 0.36 -16.82	26.34 0.33 -18.93	29.31 0.46 -19.51	31.49 0.46 -21.76	31.95 0.59 -19.28	30.63 0.70 -15.12	30.67 0.91 -10.43	28.48 0.71 -12.32	22.89 0.69 -7.93	19.97 0.39 -11.71
SHOEMAKR_138KV_BK 111 55601	20.74 0.33 -13.16	18.79 0.23 -13.48	17.52 0.23 -12.18	17.35 0.19 -12.79	17.99 0.22 -12.66	20.19 0.22 -14.86	24.87 0.31 -17.59	25.53 0.46 -15.07	25.15 0.73 -9.60	22.30 0.56 -10.89	20.79 0.60 -8.83	22.18 0.58 -10.51	22.26 0.46 -12.93	24.26 0.38 -16.39	24.51 0.36 -16.70	26.22 0.34 -18.80	29.18 0.46 -19.38	31.35 0.46 -21.62	31.82 0.59 -19.15	30.53 0.70 -15.02	30.58 0.89 -10.36	28.40 0.71 -12.24	22.84 0.69 -7.87	19.89 0.39 -11.63
SHOREHAM_IC_1 23715	27.72 0.57 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.27 0.42 -20.74	31.61 0.59 -24.05	30.58 0.85 -19.73	28.77 1.23 -12.72	24.55 0.95 -12.76	27.30 0.93 -15.02	29.09 0.91 -17.08	29.14 0.69 -19.58	29.08 0.55 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.72 0.64 -25.73	41.48 0.69 -31.53	42.41 0.99 -29.34	42.21 1.23 -26.17	47.08 1.59 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.64 0.61 -21.15
SHOREHAM_IC_2 23716	27.72 0.57 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.27 0.42 -20.74	31.61 0.59 -24.05	30.58 0.85 -19.73	28.77 1.23 -12.72	24.55 0.95 -12.76	27.30 0.93 -15.02	29.09 0.91 -17.08	29.14 0.69 -19.58	29.08 0.55 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.72 0.64 -25.73	41.48 0.69 -31.53	42.41 0.99 -29.34	42.21 1.23 -26.17	47.08 1.59 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.64 0.61 -21.15
SISSONVILLE___ 23735	7.00 -0.25 0.00	4.89 -0.18 0.00	4.92 -0.19 0.00	4.20 -0.17 0.00	4.93 -0.17 0.00	4.94 -0.17 0.00	6.76 -0.22 0.00	9.73 -0.27 0.00	14.48 -0.34 0.00	10.57 -0.27 0.00	10.98 -0.37 0.00	10.71 -0.39 0.00	8.54 -0.33 0.00	7.16 -0.34 0.00	7.09 -0.36 0.00	6.75 -0.33 0.00	8.92 -0.43 0.00	8.87 -0.40 0.00	11.57 -0.51 0.00	14.23 -0.58 0.00	18.65 -0.68 0.00	15.05 -0.40 0.00	13.97 -0.31 0.00	7.65 -0.22 0.00

SITHE_IND_GS1 24169	8.36 -0.13 -1.24	6.23 -0.11 -1.27	6.15 -0.11 -1.14	5.48 -0.10 -1.20	6.18 -0.12 -1.19	6.40 -0.11 -1.40	8.47 -0.15 -1.65	11.17 -0.25 -1.42	15.29 -0.43 -0.90	11.55 -0.31 -1.02	11.87 -0.32 -0.83	11.77 -0.31 -0.98	9.84 -0.24 -1.20	8.84 -0.19 -1.52	8.80 -0.19 -1.54	8.62 -0.19 -1.73	10.87 -0.25 -1.78	11.03 -0.27 -2.03	13.53 -0.35 -1.80	15.79 -0.43 -1.41	19.76 -0.54 -0.97	16.17 -0.43 -1.15	14.61 -0.41 -0.74	8.80 -0.17 -1.09
SITHE_IND_GS2 24170	8.36 -0.13 -1.24	6.23 -0.11 -1.27	6.15 -0.11 -1.14	5.48 -0.10 -1.20	6.18 -0.12 -1.19	6.40 -0.11 -1.40	8.47 -0.15 -1.65	11.17 -0.25 -1.42	15.29 -0.43 -0.90	11.55 -0.31 -1.02	11.87 -0.32 -0.83	11.77 -0.31 -0.98	9.84 -0.24 -1.20	8.84 -0.19 -1.52	8.80 -0.19 -1.54	8.62 -0.19 -1.73	10.87 -0.25 -1.78	11.03 -0.27 -2.03	13.53 -0.35 -1.80	15.79 -0.43 -1.41	19.76 -0.54 -0.97	16.17 -0.43 -1.15	14.61 -0.41 -0.74	8.80 -0.17 -1.09
SITHE_IND_GS3 24171	8.36 -0.13 -1.24	6.23 -0.11 -1.27	6.15 -0.11 -1.14	5.48 -0.10 -1.20	6.18 -0.12 -1.19	6.40 -0.11 -1.40	8.47 -0.15 -1.65	11.17 -0.25 -1.42	15.29 -0.43 -0.90	11.55 -0.31 -1.02	11.87 -0.32 -0.83	11.77 -0.31 -0.98	9.84 -0.24 -1.20	8.84 -0.19 -1.52	8.80 -0.19 -1.54	8.62 -0.19 -1.73	10.87 -0.25 -1.78	11.03 -0.27 -2.03	13.53 -0.35 -1.80	15.79 -0.43 -1.41	19.76 -0.54 -0.97	16.17 -0.43 -1.15	14.61 -0.41 -0.74	8.80 -0.17 -1.09
SITHE_IND_GS4 24172	8.36 -0.13 -1.24	6.23 -0.11 -1.27	6.15 -0.11 -1.14	5.48 -0.10 -1.20	6.18 -0.12 -1.19	6.40 -0.11 -1.40	8.47 -0.15 -1.65	11.17 -0.25 -1.42	15.29 -0.43 -0.90	11.55 -0.31 -1.02	11.87 -0.32 -0.83	11.77 -0.31 -0.98	9.84 -0.24 -1.20	8.84 -0.19 -1.52	8.80 -0.19 -1.54	8.62 -0.19 -1.73	10.87 -0.25 -1.78	11.03 -0.27 -2.03	13.53 -0.35 -1.80	15.79 -0.43 -1.41	19.76 -0.54 -0.97	16.17 -0.43 -1.15	14.61 -0.41 -0.74	8.80 -0.17 -1.09
SITHE___BATAVIA 24024	9.57 0.34 -1.97	7.32 0.22 -2.02	7.20 0.25 -1.83	6.49 0.20 -1.92	7.23 0.22 -1.90	7.59 0.25 -2.23	9.90 0.29 -2.64	12.54 0.28 -2.26	16.42 0.16 -1.44	12.62 0.14 -1.63	12.88 0.20 -1.32	12.83 0.17 -1.56	10.98 0.19 -1.92	10.12 0.19 -2.43	10.06 0.14 -2.46	9.97 0.13 -2.76	12.33 0.15 -2.84	12.58 0.07 -3.24	15.14 0.19 -2.87	17.33 0.27 -2.25	21.15 0.27 -1.55	17.58 0.29 -1.83	15.72 0.26 -1.18	9.96 0.34 -1.74
SITHE___INDEPEND 23800	8.36 -0.13 -1.24	6.22 -0.12 -1.27	6.15 -0.11 -1.14	5.48 -0.10 -1.20	6.18 -0.12 -1.19	6.40 -0.11 -1.40	8.47 -0.15 -1.65	11.17 -0.25 -1.42	15.29 -0.43 -0.90	11.55 -0.31 -1.02	11.87 -0.32 -0.83	11.79 -0.29 -0.98	9.84 -0.23 -1.20	8.84 -0.19 -1.52	8.80 -0.19 -1.54	8.62 -0.19 -1.73	10.87 -0.25 -1.78	11.03 -0.27 -2.03	13.53 -0.35 -1.80	15.79 -0.43 -1.41	19.76 -0.54 -0.97	16.17 -0.43 -1.15	14.61 -0.41 -0.74	8.80 -0.17 -1.09
SITHE___MASSENA 23902	7.03 -0.22 0.00	4.93 -0.14 0.00	4.96 -0.15 0.00	4.25 -0.13 0.00	4.97 -0.13 0.00	4.97 -0.14 0.00	6.78 -0.20 0.00	9.76 -0.24 0.00	14.51 -0.31 0.00	10.60 -0.24 0.00	11.06 -0.30 0.00	10.78 -0.32 0.00	8.63 -0.24 0.00	7.26 -0.25 0.00	7.24 -0.22 0.00	6.90 -0.18 0.00	9.10 -0.25 0.00	9.06 -0.21 0.00	11.81 -0.27 0.00	14.50 -0.31 0.00	18.90 -0.43 0.00	15.14 -0.31 0.00	14.01 -0.27 0.00	7.68 -0.20 0.00
SITHE___OGDNSBRG 24021	7.06 -0.19 0.00	4.95 -0.13 0.00	4.97 -0.14 0.00	4.25 -0.12 0.00	4.98 -0.12 0.00	4.99 -0.12 0.00	6.82 -0.15 0.00	9.81 -0.19 0.00	14.60 -0.22 0.00	10.64 -0.21 0.00	11.06 -0.30 0.00	10.81 -0.29 0.00	8.61 -0.26 0.00	7.25 -0.26 0.00	7.23 -0.22 0.00	6.88 -0.20 0.00	9.09 -0.26 0.00	9.06 -0.21 0.00	11.82 -0.25 0.00	14.54 -0.27 0.00	19.02 -0.31 0.00	15.26 -0.19 0.00	14.11 -0.17 0.00	7.72 -0.16 0.00
SITHE___STERLING 23777	8.49 0.24 -1.00	6.21 0.11 -1.02	6.16 0.12 -0.92	5.44 0.10 -0.97	6.17 0.11 -0.96	6.37 0.13 -1.13	8.48 0.17 -1.33	11.37 0.23 -1.14	15.87 0.33 -0.73	11.83 0.16 -0.82	12.22 0.19 -0.67	12.10 0.21 -0.79	10.00 0.16 -0.97	8.88 0.15 -1.23	8.84 0.14 -1.25	8.60 0.13 -1.39	10.96 0.18 -1.43	11.07 0.17 -1.64	13.77 0.24 -1.45	16.24 0.30 -1.14	20.60 0.48 -0.79	16.75 0.37 -0.93	15.18 0.30 -0.60	8.98 0.23 -0.88
SLEIGHT__34_KV_TB1 80719	9.46 0.28 -1.93	7.19 0.14 -1.98	7.06 0.15 -1.79	6.38 0.13 -1.88	7.12 0.15 -1.86	7.47 0.17 -2.18	9.80 0.24 -2.58	12.54 0.32 -2.21	16.59 0.36 -1.41	12.69 0.25 -1.60	12.97 0.32 -1.30	12.99 0.37 -1.53	11.03 0.27 -1.88	10.14 0.26 -2.38	10.09 0.22 -2.42	9.99 0.21 -2.70	12.39 0.26 -2.78	12.67 0.22 -3.17	15.17 0.28 -2.81	17.34 0.33 -2.21	21.34 0.48 -1.52	17.62 0.37 -1.80	15.72 0.29 -1.16	9.84 0.26 -1.71
SOUTH CAIRO___GT 23612	24.50 0.28 -16.97	22.66 0.20 -17.39	21.01 0.18 -15.71	21.02 0.16 -16.49	21.62 0.18 -16.32	24.46 0.18 -19.16	29.83 0.18 -22.68	29.72 0.29 -19.43	27.59 0.38 -12.38	25.13 0.25 -14.04	23.02 0.27 -11.39	24.75 0.28 -13.37	25.60 0.25 -16.48	28.58 0.23 -20.84	28.80 0.26 -21.09	30.91 0.28 -23.55	33.94 0.39 -24.20	37.49 0.37 -27.85	37.34 0.56 -24.70	34.88 0.70 -19.37	33.62 0.93 -13.37	32.01 0.77 -15.79	25.01 0.57 -10.15	23.24 0.37 -15.00
SOUTH HAMPTN___IC 23720	27.80 0.65 -19.90	23.90 0.48 -18.35	21.43 0.49 -15.82	21.17 0.41 -16.38	23.87 0.46 -18.30	26.33 0.48 -20.74	31.72 0.70 -24.05	30.74 1.01 -19.73	29.01 1.47 -12.72	24.72 1.12 -12.76	27.49 1.11 -15.02	29.26 1.08 -17.08	29.27 0.83 -19.58	29.20 0.67 -21.03	30.10 0.60 -22.05	31.91 0.55 -24.29	35.91 0.83 -25.73	41.68 0.88 -31.53	42.63 1.21 -29.34	42.48 1.50 -26.17	47.41 1.91 -26.17	35.61 1.56 -18.60	31.75 1.44 -16.03	29.76 0.73 -21.15
SOUTHDOW__115KV_TB1 355954	10.32 0.17 -2.90	8.15 0.11 -2.97	7.95 0.15 -2.68	7.29 0.10 -2.81	8.01 0.11 -2.79	8.50 0.12 -3.27	10.93 0.09 -3.87	13.30 -0.03 -3.32	16.03 -0.30 -1.51	13.11 -0.13 -2.40	13.19 -0.11 -1.95	13.33 -0.07 -2.29	11.71 0.01 -2.83	11.14 0.06 -3.58	11.05 -0.02 -3.62	11.08 -0.06 -4.06	13.45 -0.07 -4.17	13.82 -0.19 -4.75	16.13 -0.13 -4.19	17.95 -0.15 -3.28	21.25 -0.35 -2.27	17.83 -0.29 -2.68	15.82 -0.19 -1.72	10.58 0.17 -2.54
SOUTHOLD_69_KV_BK 2 55809	27.91 0.76 -19.90	23.97 0.55 -18.35	21.50 0.56 -15.82	21.23 0.48 -16.38	23.95 0.54 -18.30	26.40 0.55 -20.74	31.84 0.82 -24.05	30.92 1.19 -19.73	29.25 1.70 -12.72	24.88 1.28 -12.76	27.65 1.27 -15.02	29.29 1.11 -17.08	29.40 0.95 -19.58	29.30 0.77 -21.03	30.19 0.69 -22.05	32.01 0.64 -24.29	36.09 1.01 -25.73	41.85 1.06 -31.53	42.86 1.44 -29.34	42.74 1.76 -26.17	47.78 2.28 -26.17	35.89 1.84 -18.60	32.00 1.69 -16.03	29.87 0.85 -21.15
SOUTHOLD___IC 23719	27.91 0.76 -19.90	23.97 0.55 -18.35	21.50 0.56 -15.82	21.23 0.48 -16.38	23.95 0.54 -18.30	26.40 0.55 -20.74	31.84 0.82 -24.05	30.92 1.19 -19.73	29.25 1.70 -12.72	24.88 1.28 -12.76	27.64 1.27 -15.02	29.40 1.22 -17.08	29.39 0.94 -19.58	29.30 0.77 -21.03	30.19 0.69 -22.05	32.01 0.64 -24.29	36.09 1.01 -25.73	41.85 1.06 -31.53	42.86 1.44 -29.34	42.74 1.76 -26.17	47.77 2.28 -26.17	35.89 1.84 -18.60	31.99 1.68 -16.03	29.87 0.85 -21.15

SPIERFLS_115KV_TB 1 80737	26.37 0.30 -18.81	24.55 0.20 -19.28	22.74 0.21 -17.42	22.83 0.18 -18.28	23.42 0.21 -18.10	26.57 0.22 -21.24	32.45 0.33 -25.14	32.01 0.46 -21.54	29.23 0.68 -13.73	26.89 0.48 -15.57	24.48 0.50 -12.63	26.35 0.50 -14.75	27.52 0.45 -18.20	30.93 0.44 -23.00	31.10 0.44 -23.21	33.34 0.42 -25.84	36.34 0.46 -26.54	40.55 0.43 -30.86	39.98 0.52 -27.39	36.83 0.55 -21.48	35.04 0.89 -14.82	33.65 0.70 -17.51	26.15 0.61 -11.26	24.85 0.35 -16.63
ST LAWRENCE____ 23600	6.97 -0.28 0.00	4.90 -0.18 0.00	4.93 -0.18 0.00	4.22 -0.15 0.00	4.94 -0.17 0.00	4.94 -0.17 0.00	6.73 -0.24 0.00	9.68 -0.32 0.00	14.38 -0.44 0.00	10.53 -0.31 0.00	10.99 -0.36 0.00	10.72 -0.38 0.00	8.58 -0.29 0.00	7.23 -0.27 0.00	7.21 -0.25 0.00	6.86 -0.22 0.00	9.05 -0.30 0.00	9.00 -0.27 0.00	11.73 -0.35 0.00	14.40 -0.41 0.00	18.77 -0.56 0.00	15.00 -0.45 0.00	13.88 -0.40 0.00	7.61 -0.27 0.00
STATE_CA_115KV_115_LB 55624	25.87 0.24 -18.38	24.07 0.16 -18.83	22.30 0.17 -17.02	22.37 0.14 -17.86	22.96 0.17 -17.68	26.03 0.16 -20.75	31.75 0.22 -24.56	31.33 0.28 -21.05	28.68 0.44 -13.42	26.37 0.31 -15.22	24.03 0.33 -12.34	25.87 0.34 -14.43	26.97 0.30 -17.80	30.26 0.27 -22.49	30.43 0.28 -22.70	32.62 0.25 -25.29	35.64 0.32 -25.98	39.72 0.29 -30.16	39.22 0.37 -26.76	36.26 0.46 -20.99	34.41 0.60 -14.48	33.04 0.48 -17.11	25.71 0.43 -11.00	24.35 0.23 -16.25
STATE_ST_34_KV_LOAD 55959	9.36 0.11 -2.00	7.16 0.04 -2.05	7.01 0.05 -1.85	6.35 0.03 -1.94	7.07 0.04 -1.92	7.43 0.06 -2.26	9.80 0.15 -2.67	12.49 0.20 -2.29	16.49 0.21 -1.46	12.64 0.14 -1.65	12.88 0.18 -1.34	12.79 0.11 -1.58	10.98 0.16 -1.95	10.12 0.16 -2.46	10.08 0.13 -2.50	9.99 0.11 -2.79	12.38 0.16 -2.87	12.68 0.13 -3.28	15.14 0.16 -2.91	17.28 0.19 -2.28	21.23 0.33 -1.57	17.55 0.25 -1.86	15.66 0.19 -1.20	9.75 0.11 -1.77
STATION 5_MISC_HYD 23604	9.33 0.12 -1.97	7.16 0.07 -2.02	7.04 0.10 -1.82	6.35 0.07 -1.91	7.07 0.07 -1.89	7.41 0.08 -2.22	9.67 0.07 -2.63	12.23 -0.03 -2.25	15.80 -0.28 -1.26	12.31 -0.16 -1.63	12.54 -0.14 -1.32	12.52 -0.13 -1.55	10.72 -0.06 -1.91	9.92 -0.01 -2.42	9.86 -0.05 -2.46	9.78 -0.05 -2.75	12.10 -0.08 -2.83	12.34 -0.16 -3.23	14.78 -0.16 -2.86	16.86 -0.19 -2.24	20.55 -0.33 -1.55	17.06 -0.22 -1.83	15.27 -0.19 -1.18	9.70 0.09 -1.74
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	9.25 0.12 -1.88	7.05 0.05 -1.92	6.93 0.08 -1.74	6.26 0.06 -1.82	6.98 0.07 -1.81	7.31 0.08 -2.12	9.57 0.09 -2.51	12.19 0.04 -2.15	16.06 -0.13 -1.37	12.32 -0.08 -1.55	12.58 -0.03 -1.26	12.58 0.00 -1.48	10.72 0.02 -1.83	9.84 0.03 -2.31	9.79 -0.01 -2.34	9.70 -0.01 -2.62	12.03 -0.02 -2.70	12.27 -0.08 -3.08	14.74 -0.07 -2.73	16.88 -0.07 -2.14	20.65 -0.15 -1.48	17.10 -0.09 -1.75	15.32 -0.09 -1.12	9.63 0.10 -1.66
STA_56_34_KV_BUS2_REV_LBMP_B 345033	9.25 0.07 -1.94	7.08 0.02 -1.98	6.96 0.05 -1.79	6.29 0.04 -1.88	7.01 0.04 -1.86	7.35 0.05 -2.19	9.59 0.03 -2.59	12.14 -0.08 -2.22	15.89 -0.34 -1.41	12.24 -0.21 -1.60	12.47 -0.18 -1.30	12.49 -0.14 -1.53	10.67 -0.09 -1.88	9.84 -0.05 -2.39	9.79 -0.08 -2.42	9.71 -0.08 -2.71	12.01 -0.12 -2.78	12.25 -0.19 -3.18	14.69 -0.21 -2.82	16.77 -0.25 -2.21	20.45 -0.41 -1.53	16.97 -0.28 -1.80	15.20 -0.24 -1.16	9.62 0.04 -1.71
STA_56____34_KV_BUS2 355983	9.25 0.07 -1.94	7.08 0.02 -1.98	6.96 0.05 -1.79	6.29 0.04 -1.88	7.01 0.04 -1.86	7.35 0.05 -2.19	9.59 0.03 -2.59	12.14 -0.08 -2.22	15.89 -0.34 -1.41	12.24 -0.21 -1.60	12.47 -0.18 -1.30	12.49 -0.14 -1.53	10.67 -0.09 -1.88	9.84 -0.05 -2.39	9.79 -0.08 -2.42	9.71 -0.08 -2.71	12.01 -0.12 -2.78	12.25 -0.19 -3.18	14.69 -0.21 -2.82	16.77 -0.25 -2.21	20.45 -0.41 -1.53	16.97 -0.28 -1.80	15.20 -0.24 -1.16	9.62 0.04 -1.71
STA_67____115KV_BK2 355882	9.32 0.10 -1.97	7.13 0.05 -2.01	7.01 0.08 -1.82	6.34 0.06 -1.91	7.06 0.06 -1.89	7.40 0.07 -2.22	9.66 0.06 -2.63	12.20 -0.05 -2.25	15.75 -0.33 -1.25	12.28 -0.18 -1.63	12.50 -0.17 -1.32	12.52 -0.13 -1.55	10.71 -0.07 -1.91	9.89 -0.03 -2.42	9.84 -0.07 -2.45	9.76 -0.06 -2.75	12.08 -0.09 -2.83	12.31 -0.19 -3.23	14.76 -0.18 -2.86	16.83 -0.22 -2.24	20.51 -0.37 -1.55	17.03 -0.25 -1.83	15.24 -0.21 -1.18	9.68 0.07 -1.74
STA_7____115KV_9TRANS 80674	9.36 0.15 -1.97	7.16 0.07 -2.02	7.05 0.11 -1.82	6.37 0.09 -1.91	7.09 0.09 -1.89	7.44 0.10 -2.22	9.70 0.10 -2.63	12.27 0.02 -2.25	15.87 -0.21 -1.26	12.36 -0.11 -1.63	12.59 -0.08 -1.32	12.61 -0.04 -1.55	10.79 0.00 -1.91	9.95 0.03 -2.42	9.89 -0.01 -2.46	9.82 -0.01 -2.75	12.15 -0.03 -2.83	12.38 -0.12 -3.23	14.85 -0.10 -2.86	16.95 -0.10 -2.24	20.65 -0.23 -1.55	17.15 -0.12 -1.83	15.34 -0.11 -1.18	9.74 0.13 -1.74
STA_82____115KV_TB1 80780	9.33 0.10 -1.97	7.14 0.05 -2.02	7.02 0.08 -1.83	6.35 0.06 -1.92	7.07 0.06 -1.90	7.41 0.07 -2.23	9.67 0.06 -2.64	12.22 -0.04 -2.26	15.95 -0.31 -1.44	12.29 -0.18 -1.63	12.52 -0.16 -1.32	12.54 -0.12 -1.56	10.73 -0.06 -1.92	9.91 -0.02 -2.43	9.85 -0.07 -2.46	9.77 -0.06 -2.76	12.09 -0.09 -2.84	12.33 -0.18 -3.24	14.78 -0.17 -2.87	16.85 -0.21 -2.25	20.52 -0.37 -1.55	17.04 -0.25 -1.84	15.26 -0.20 -1.18	9.70 0.08 -1.74
STEEL____WIND 323596	9.98 0.05 -2.68	7.88 0.06 -2.75	7.69 0.09 -2.48	7.03 0.05 -2.60	7.73 0.05 -2.58	8.17 0.04 -3.03	10.53 -0.03 -3.58	12.81 -0.26 -3.06	14.70 -0.71 -0.59	12.60 -0.45 -2.21	12.67 -0.48 -1.79	12.77 -0.44 -2.11	11.20 -0.28 -2.60	10.64 -0.16 -3.29	10.59 -0.20 -3.34	10.62 -0.20 -3.73	12.93 -0.26 -3.84	13.26 -0.39 -4.38	15.53 -0.43 -3.89	17.33 -0.53 -3.05	20.58 -0.85 -2.10	17.27 -0.66 -2.49	15.36 -0.53 -1.60	10.25 0.01 -2.37
STEPHTWN_115KV_BK_2 55603	25.58 0.33 -18.00	23.74 0.22 -18.45	22.01 0.23 -16.67	22.05 0.19 -17.49	22.65 0.22 -17.32	25.66 0.22 -20.33	31.32 0.29 -24.06	31.00 0.38 -20.62	28.54 0.58 -13.14	26.16 0.41 -14.91	23.88 0.43 -12.09	25.66 0.44 -14.12	26.66 0.37 -17.42	29.84 0.33 -22.01	29.99 0.34 -22.20	32.12 0.32 -24.72	35.14 0.41 -25.38	39.18 0.37 -29.54	38.78 0.48 -26.22	35.95 0.58 -20.56	34.27 0.75 -14.19	32.84 0.63 -16.76	25.60 0.54 -10.78	24.09 0.30 -15.92
STEBEN_REC_LFGE 323667	11.11 0.33 -3.53	8.87 0.18 -3.62	8.60 0.21 -3.27	7.97 0.17 -3.43	8.69 0.18 -3.40	9.30 0.20 -3.99	11.94 0.25 -4.72	14.28 0.24 -4.04	20.93 0.13 -5.98	13.84 0.08 -2.93	13.82 0.09 -2.37	14.04 0.14 -2.80	12.43 0.12 -3.44	11.99 0.13 -4.36	11.97 0.10 -4.42	12.11 0.10 -4.93	14.58 0.16 -5.08	15.16 0.10 -5.79	17.38 0.17 -5.14	19.06 0.22 -4.03	22.38 0.27 -2.78	18.93 0.20 -3.28	16.56 0.17 -2.11	11.29 0.30 -3.12
STONY____BROOK 24151	27.78 0.62 -19.90	23.86 0.44 -18.35	21.38 0.44 -15.82	21.13 0.38 -16.38	23.83 0.43 -18.30	26.28 0.43 -20.73	31.69 0.67 -24.05	30.70 0.97 -19.73	29.03 1.48 -12.72	24.72 1.12 -12.76	27.50 1.12 -15.02	29.28 1.10 -17.08	29.29 0.84 -19.58	29.22 0.68 -21.03	30.13 0.63 -22.05	31.96 0.59 -24.29	35.94 0.86 -25.73	41.69 0.89 -31.53	42.57 1.15 -29.34	42.37 1.39 -26.17	47.29 1.80 -26.17	35.53 1.48 -18.60	31.70 1.38 -16.03	29.73 0.71 -21.15

STURGEON_POOL_HYD 23609	22.31 0.38 -14.68	20.38 0.26 -15.05	18.96 0.25 -13.59	18.85 0.21 -14.27	19.47 0.24 -14.13	21.95 0.26 -16.58	26.91 0.31 -19.62	27.32 0.50 -16.81	26.35 0.82 -10.71	23.66 0.66 -12.15	21.93 0.72 -9.86	23.50 0.72 -11.67	23.78 0.53 -14.37	26.14 0.44 -18.21	26.38 0.42 -18.51	28.27 0.40 -20.79	31.30 0.55 -21.40	33.96 0.57 -24.11	34.20 0.75 -21.37	32.44 0.87 -16.76	32.00 1.10 -11.57	29.96 0.85 -13.66	23.85 0.79 -8.79	21.34 0.49 -12.98
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	21.16 0.37 -13.54	19.20 0.25 -13.88	17.90 0.25 -12.54	17.74 0.21 -13.16	18.38 0.25 -13.03	20.65 0.25 -15.29	25.41 0.33 -18.10	26.01 0.50 -15.50	25.50 0.80 -9.88	22.67 0.62 -11.21	21.11 0.67 -9.09	22.58 0.67 -10.81	22.68 0.51 -13.31	24.79 0.42 -16.87	25.05 0.40 -17.19	26.81 0.38 -19.36	29.81 0.51 -19.95	32.03 0.52 -22.25	32.45 0.66 -19.71	31.04 0.77 -15.46	30.98 0.99 -10.67	28.83 0.79 -12.60	23.14 0.76 -8.10	20.27 0.43 -11.97
SWANROAD_115KV_TB1 355699	9.52 -0.20 -2.47	7.46 -0.15 -2.53	7.31 -0.10 -2.29	6.68 -0.09 -2.40	7.36 -0.13 -2.38	7.77 -0.13 -2.79	9.98 -0.29 -3.30	12.14 -0.69 -2.82	14.84 -0.76 -0.77	11.95 -0.93 -2.04	12.04 -0.98 -1.66	12.16 -0.89 -1.95	10.63 -0.65 -2.40	10.05 -0.50 -3.04	10.01 -0.53 -3.08	10.02 -0.51 -3.45	12.23 -0.67 -3.55	12.52 -0.80 -4.05	14.71 -0.97 -3.59	16.60 -1.01 -2.80	19.77 -1.49 -1.93	16.57 -1.16 -2.28	14.78 -0.97 -1.47	9.85 -0.19 -2.17
SYNERGY___BIOGAS 323694	9.57 0.34 -1.97	7.32 0.22 -2.02	7.20 0.25 -1.83	6.49 0.20 -1.92	7.23 0.22 -1.90	7.59 0.25 -2.23	9.90 0.29 -2.64	12.54 0.28 -2.26	16.42 0.16 -1.44	12.62 0.14 -1.63	12.88 0.20 -1.32	12.83 0.17 -1.56	10.98 0.19 -1.92	10.12 0.19 -2.43	10.06 0.14 -2.46	9.97 0.13 -2.76	12.33 0.15 -2.84	12.58 0.07 -3.24	15.14 0.19 -2.87	17.33 0.27 -2.25	21.15 0.27 -1.55	17.58 0.29 -1.83	15.72 0.26 -1.18	9.96 0.34 -1.74
SYRACUSE___ENERGY_ST1 323597	9.03 0.08 -1.70	6.83 0.02 -1.74	6.71 0.02 -1.58	6.04 0.02 -1.65	6.76 0.02 -1.64	7.06 0.03 -1.92	9.28 0.03 -2.27	11.98 0.03 -1.95	16.03 -0.03 -1.24	12.22 -0.03 -1.41	12.50 0.00 -1.14	12.48 0.03 -1.35	10.55 0.02 -1.66	9.63 0.03 -2.10	9.59 0.01 -2.13	9.47 0.01 -2.38	11.80 0.01 -2.45	12.05 -0.01 -2.79	14.53 -0.02 -2.48	16.72 -0.03 -1.94	20.67 0.00 -1.34	17.02 -0.02 -1.58	15.26 -0.04 -1.02	9.42 0.05 -1.50
SYRACUSE___ENERGY_ST2 323598	9.03 0.08 -1.70	6.83 0.02 -1.74	6.71 0.02 -1.58	6.04 0.02 -1.65	6.76 0.02 -1.64	7.06 0.03 -1.92	9.28 0.03 -2.27	11.98 0.03 -1.95	16.03 -0.03 -1.24	12.22 -0.03 -1.41	12.50 0.00 -1.14	12.48 0.03 -1.35	10.55 0.02 -1.66	9.63 0.03 -2.10	9.59 0.01 -2.13	9.47 0.01 -2.38	11.80 0.01 -2.45	12.05 -0.01 -2.79	14.53 -0.02 -2.48	16.72 -0.03 -1.94	20.67 0.00 -1.34	17.02 -0.02 -1.58	15.26 -0.04 -1.02	9.42 0.05 -1.50
SYRACUSE___POWER 24017	9.08 0.06 -1.77	6.89 0.01 -1.81	6.77 0.01 -1.64	6.10 0.01 -1.72	6.81 0.01 -1.70	7.13 0.02 -2.00	9.37 0.03 -2.36	12.05 0.02 -2.03	16.07 -0.04 -1.29	12.26 -0.04 -1.46	12.52 -0.02 -1.19	12.52 0.02 -1.40	10.60 0.01 -1.72	9.71 0.02 -2.18	9.67 0.01 -2.21	9.55 0.00 -2.47	11.89 0.00 -2.54	12.15 -0.02 -2.90	14.62 -0.04 -2.57	16.78 -0.04 -2.02	20.70 -0.02 -1.39	17.06 -0.03 -1.65	15.28 -0.06 -1.06	9.47 0.03 -1.56
TALLMAN___138KV_BK151 55660	21.59 0.41 -13.93	19.63 0.28 -14.27	18.29 0.28 -12.90	18.14 0.24 -13.53	18.78 0.27 -13.40	21.12 0.28 -15.73	25.98 0.39 -18.62	26.53 0.58 -15.95	25.92 0.93 -10.16	23.10 0.73 -11.53	21.49 0.78 -9.35	22.99 0.77 -11.13	23.15 0.59 -13.69	25.33 0.48 -17.35	25.61 0.47 -17.69	27.44 0.44 -19.92	30.48 0.60 -20.53	32.76 0.61 -22.88	33.13 0.77 -20.27	31.60 0.89 -15.90	31.44 1.14 -10.97	29.30 0.90 -12.96	23.49 0.87 -8.33	20.67 0.49 -12.31
TEALLAVE_115KV_TB7 355573	8.81 0.04 -1.52	6.62 -0.01 -1.56	6.52 0.00 -1.41	5.85 0.00 -1.48	6.56 -0.01 -1.46	6.83 0.01 -1.72	9.00 0.00 -2.03	11.72 -0.02 -1.74	15.83 -0.10 -1.11	12.02 -0.08 -1.26	12.32 -0.06 -1.02	12.29 -0.01 -1.20	10.33 -0.02 -1.48	9.38 0.01 -1.87	9.34 -0.01 -1.90	9.18 -0.02 -2.12	11.50 -0.03 -2.18	11.72 -0.05 -2.49	14.22 -0.07 -2.21	16.44 -0.10 -1.73	20.43 -0.10 -1.20	16.77 -0.09 -1.41	15.08 -0.11 -0.91	9.22 0.01 -1.34
TELGRAPH_34_KV_EAST 80808	9.62 -0.01 -2.38	7.49 -0.02 -2.44	7.36 0.04 -2.20	6.70 0.02 -2.31	7.40 0.01 -2.29	7.80 0.00 -2.69	10.05 -0.10 -3.18	12.33 -0.39 -2.72	15.09 -0.55 -0.82	12.19 -0.62 -1.96	12.33 -0.62 -1.60	12.43 -0.54 -1.88	10.80 -0.38 -2.31	10.16 -0.27 -2.93	10.11 -0.31 -2.97	10.10 -0.30 -3.32	12.36 -0.40 -3.42	12.64 -0.53 -3.90	14.93 -0.60 -3.46	16.88 -0.64 -2.70	20.19 -1.01 -1.87	16.90 -0.76 -2.20	15.09 -0.61 -1.42	9.95 -0.02 -2.10
TEMPLE___115KV_TB 2 55572	8.83 0.04 -1.54	6.64 -0.01 -1.58	6.55 0.01 -1.42	5.87 0.00 -1.49	6.59 0.00 -1.48	6.86 0.01 -1.74	9.04 0.01 -2.06	11.75 -0.01 -1.76	15.85 -0.09 -1.12	12.05 -0.07 -1.27	12.34 -0.05 -1.03	12.32 0.00 -1.22	10.37 0.00 -1.50	9.41 0.02 -1.90	9.37 0.00 -1.92	9.22 -0.01 -2.15	11.55 -0.01 -2.21	11.76 -0.04 -2.52	14.26 -0.06 -2.24	16.48 -0.09 -1.76	20.44 -0.10 -1.21	16.80 -0.08 -1.43	15.10 -0.10 -0.92	9.25 0.02 -1.36
TIANA___69_KV_BK 1 55817	27.78 0.63 -19.90	23.88 0.46 -18.35	21.41 0.47 -15.82	21.16 0.40 -16.38	23.86 0.45 -18.30	26.32 0.47 -20.74	31.69 0.67 -24.05	30.70 0.97 -19.73	29.00 1.45 -12.72	24.69 1.10 -12.76	27.46 1.09 -15.02	29.15 0.97 -17.08	29.27 0.82 -19.58	29.19 0.65 -21.03	30.08 0.58 -22.05	31.89 0.52 -24.29	35.88 0.79 -25.73	41.63 0.83 -31.53	42.58 1.16 -29.34	42.42 1.44 -26.17	47.33 1.84 -26.17	35.53 1.48 -18.60	31.70 1.39 -16.03	29.72 0.70 -21.15
TILDEN___115KV_TB1 80814	9.08 0.06 -1.77	6.89 0.01 -1.81	6.77 0.01 -1.64	6.10 0.01 -1.72	6.81 0.01 -1.70	7.13 0.02 -2.00	9.37 0.03 -2.36	12.05 0.02 -2.03	16.07 -0.04 -1.29	12.26 -0.04 -1.46	12.52 -0.02 -1.19	12.52 0.02 -1.40	10.60 0.01 -1.72	9.71 0.02 -2.18	9.67 0.01 -2.21	9.55 0.00 -2.47	11.89 0.00 -2.54	12.15 -0.02 -2.90	14.62 -0.04 -2.57	16.78 -0.04 -2.02	20.70 -0.02 -1.39	17.06 -0.03 -1.65	15.28 -0.06 -1.06	9.47 0.03 -1.56
TRIGEN___CC 323695	27.70 0.54 -19.90	23.32 0.37 -17.88	20.99 0.37 -15.50	20.77 0.32 -16.08	23.18 0.36 -17.71	25.63 0.37 -20.15	31.57 0.54 -24.05	30.53 0.80 -19.73	28.82 1.27 -12.72	24.59 0.99 -12.76	27.40 1.02 -15.02	29.12 0.94 -17.08	29.22 0.77 -19.58	29.17 0.64 -21.03	30.11 0.61 -22.05	31.94 0.57 -24.29	35.87 0.79 -25.73	41.59 0.80 -31.53	42.45 1.03 -29.34	42.20 1.21 -26.17	47.06 1.57 -26.17	35.27 1.22 -18.60	31.50 1.19 -16.03	29.66 0.64 -21.15
TRINITY___115KV___ 4 BK 55933	25.51 0.23 -18.03	23.70 0.16 -18.47	21.97 0.16 -16.69	22.03 0.14 -17.52	22.62 0.17 -17.34	25.63 0.16 -20.35	31.27 0.21 -24.09	30.91 0.26 -20.65	28.39 0.40 -13.16	26.05 0.28 -14.93	23.75 0.28 -12.11	25.54 0.30 -14.14	26.57 0.26 -17.45	29.76 0.22 -22.04	29.92 0.22 -22.24	32.05 0.21 -24.76	35.04 0.26 -25.43	39.10 0.24 -29.59	38.66 0.33 -26.26	35.80 0.40 -20.59	34.06 0.52 -14.21	32.67 0.43 -16.78	25.46 0.39 -10.79	24.02 0.20 -15.95

UNION___PROCESSING_DRP 323587	9.33 0.11 -1.97	7.14 0.05 -2.02	7.03 0.08 -1.83	6.36 0.07 -1.92	7.07 0.06 -1.90	7.41 0.07 -2.23	9.67 0.06 -2.64	12.22 -0.04 -2.26	15.96 -0.30 -1.44	12.30 -0.17 -1.63	12.52 -0.16 -1.32	12.54 -0.12 -1.56	10.74 -0.05 -1.92	9.91 -0.02 -2.43	9.86 -0.06 -2.46	9.78 -0.06 -2.76	12.09 -0.09 -2.84	12.33 -0.18 -3.24	14.78 -0.17 -2.87	16.86 -0.21 -2.25	20.54 -0.35 -1.55	17.05 -0.23 -1.84	15.26 -0.20 -1.18	9.70 0.08 -1.74
UPPER HUDSON___HYD 24058	26.37 0.30 -18.81	24.56 0.21 -19.28	22.75 0.21 -17.42	22.83 0.18 -18.28	23.42 0.21 -18.10	26.57 0.22 -21.24	32.45 0.33 -25.14	32.00 0.46 -21.54	29.23 0.68 -13.73	26.89 0.48 -15.57	24.48 0.50 -12.63	26.38 0.52 -14.75	27.51 0.44 -18.20	30.94 0.44 -23.00	31.10 0.44 -23.21	33.35 0.42 -25.84	36.34 0.46 -26.54	40.56 0.43 -30.86	39.98 0.52 -27.39	36.83 0.55 -21.48	35.04 0.89 -14.82	33.65 0.70 -17.51	26.15 0.61 -11.26	24.85 0.35 -16.63
UPPER RAQUET___HYD 24056	7.00 -0.25 0.00	4.89 -0.19 0.00	4.92 -0.20 0.00	4.20 -0.17 0.00	4.93 -0.17 0.00	4.95 -0.16 0.00	6.76 -0.22 0.00	9.73 -0.27 0.00	14.48 -0.34 0.00	10.57 -0.27 0.00	10.98 -0.37 0.00	10.71 -0.39 0.00	8.57 -0.30 0.00	7.17 -0.34 0.00	7.09 -0.36 0.00	6.75 -0.33 0.00	8.92 -0.43 0.00	8.87 -0.40 0.00	11.57 -0.51 0.00	14.23 -0.58 0.00	18.65 -0.68 0.00	15.05 -0.40 0.00	13.97 -0.31 0.00	7.65 -0.22 0.00
VALLEY44_115KV_TB2 355964	10.21 -0.01 -2.96	8.09 -0.02 -3.04	7.88 0.02 -2.74	7.25 0.00 -2.88	7.94 -0.02 -2.85	8.44 -0.02 -3.34	10.83 -0.10 -3.96	13.08 -0.31 -3.39	15.82 -0.70 -1.69	12.79 -0.50 -2.45	12.84 -0.50 -1.99	13.01 -0.43 -2.34	11.45 -0.30 -2.89	10.94 -0.21 -3.65	10.91 -0.25 -3.70	10.97 -0.25 -4.14	13.31 -0.30 -4.26	13.75 -0.38 -4.86	15.96 -0.42 -4.31	17.65 -0.53 -3.37	20.85 -0.81 -2.33	17.54 -0.66 -2.75	15.49 -0.56 -1.77	10.44 -0.05 -2.61
VALLEY___115KV_TB 1-4 80826	7.29 0.04 0.00	5.08 0.01 0.00	5.13 0.01 0.00	4.38 0.01 0.00	5.12 0.01 0.00	5.13 0.02 0.00	6.99 0.01 0.00	10.02 0.02 0.00	14.91 0.09 0.00	10.90 0.05 0.00	11.39 0.03 0.00	11.13 0.03 0.00	8.79 -0.08 0.00	7.40 -0.11 0.00	7.33 -0.12 0.00	7.00 -0.08 0.00	9.26 -0.08 0.00	9.18 -0.09 0.00	11.97 -0.11 0.00	14.69 -0.12 0.00	19.21 -0.12 0.00	15.39 -0.06 0.00	14.24 -0.04 0.00	7.90 0.02 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	12.33 0.58 -4.49	9.97 0.29 -4.60	9.60 0.32 -4.16	9.00 0.26 -4.37	9.73 0.30 -4.32	10.52 0.34 -5.07	13.53 0.55 -6.01	15.89 0.74 -5.15	19.47 1.08 -3.57	15.19 0.63 -3.72	15.04 0.67 -3.02	15.36 0.71 -3.55	13.85 0.60 -4.38	13.57 0.53 -5.54	13.58 0.51 -5.62	13.80 0.44 -6.28	16.44 0.63 -6.46	17.27 0.62 -7.38	19.43 0.81 -6.54	20.95 1.01 -5.13	24.30 1.43 -3.54	20.76 1.13 -4.18	17.98 1.01 -2.69	12.42 0.57 -3.97
VISCHER___FERRY HYD 24020	25.90 0.33 -18.32	24.07 0.23 -18.77	22.32 0.24 -16.96	22.37 0.20 -17.80	22.97 0.24 -17.62	26.04 0.24 -20.68	31.78 0.32 -24.48	31.40 0.42 -20.97	28.81 0.62 -13.37	26.44 0.43 -15.16	24.10 0.44 -12.30	25.87 0.44 -14.32	26.91 0.36 -17.67	30.15 0.32 -22.32	30.26 0.32 -22.49	32.37 0.30 -24.99	35.39 0.39 -25.64	39.69 0.38 -30.04	39.25 0.51 -26.67	36.36 0.64 -20.91	34.59 0.83 -14.43	33.17 0.68 -17.05	25.86 0.61 -10.96	24.40 0.34 -16.19
V_A_10_SYNC_DSASP 323832	9.51 0.04 -2.21	7.35 0.01 -2.27	7.22 0.06 -2.05	6.57 0.04 -2.15	7.27 0.04 -2.13	7.64 0.03 -2.50	9.90 -0.03 -2.96	12.30 -0.24 -2.54	15.09 -0.67 -0.94	12.24 -0.43 -1.83	12.39 -0.45 -1.49	12.47 -0.38 -1.75	10.77 -0.26 -2.16	10.06 -0.17 -2.73	10.00 -0.22 -2.76	9.97 -0.21 -3.10	12.26 -0.27 -3.18	12.53 -0.38 -3.64	14.87 -0.43 -3.22	16.79 -0.55 -2.53	20.21 -0.87 -1.75	16.86 -0.65 -2.06	15.07 -0.54 -1.33	9.81 -0.02 -1.96
V_CMM_10_SYNC_DSASP 323787	7.00 -0.25 0.00	4.92 -0.16 0.00	4.95 -0.17 0.00	4.23 -0.14 0.00	4.95 -0.15 0.00	4.95 -0.16 0.00	6.75 -0.22 0.00	9.71 -0.29 0.00	14.44 -0.39 0.00	10.56 -0.28 0.00	11.03 -0.33 0.00	10.76 -0.34 0.00	8.60 -0.27 0.00	7.26 -0.25 0.00	7.23 -0.22 0.00	6.88 -0.20 0.00	9.08 -0.27 0.00	9.04 -0.23 0.00	11.78 -0.30 0.00	14.45 -0.36 0.00	18.83 -0.50 0.00	15.06 -0.39 0.00	13.94 -0.34 0.00	7.63 -0.24 0.00
V_CMP_10_SYNC_DSASP 323788	6.97 -0.28 0.00	4.86 -0.21 0.00	4.87 -0.25 0.00	4.17 -0.21 0.00	4.90 -0.20 0.00	4.94 -0.17 0.00	6.82 -0.15 0.00	9.86 -0.14 0.00	14.70 -0.12 0.00	10.81 -0.03 0.00	11.25 -0.10 0.00	10.89 -0.21 0.00	8.70 -0.17 0.00	7.28 -0.22 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.25 -0.09 0.00	9.29 0.02 0.00	12.13 0.05 0.00	14.91 0.10 0.00	19.41 0.08 0.00	15.46 0.02 0.00	14.28 0.00 0.00	7.76 -0.11 0.00
V_E_10_SYNC_DSASP 323830	11.99 0.67 -4.08	9.57 0.32 -4.18	9.23 0.34 -3.77	8.60 0.27 -3.96	9.35 0.32 -3.92	10.07 0.36 -4.60	12.98 0.56 -5.45	15.43 0.76 -4.67	19.25 1.07 -3.36	14.79 0.57 -3.37	14.70 0.61 -2.74	14.98 0.65 -3.22	13.36 0.51 -3.97	12.98 0.45 -5.03	12.99 0.44 -5.10	13.16 0.38 -5.70	15.77 0.56 -5.86	16.56 0.59 -6.69	18.85 0.83 -5.94	20.52 1.05 -4.65	24.09 1.55 -3.21	20.48 1.24 -3.79	17.81 1.08 -2.44	12.16 0.68 -3.60
V_F_30_NSYNC___DSASP 323816	26.38 0.38 -18.74	24.54 0.26 -19.21	22.74 0.27 -17.35	22.81 0.23 -18.21	23.41 0.27 -18.03	26.55 0.27 -21.16	32.41 0.38 -25.05	31.98 0.52 -21.46	29.27 0.77 -13.68	26.90 0.54 -15.51	24.51 0.57 -12.58	26.37 0.58 -14.69	27.47 0.48 -18.12	30.85 0.45 -22.90	31.00 0.45 -23.10	33.23 0.43 -25.72	36.29 0.53 -26.41	40.52 0.51 -30.74	40.02 0.65 -27.28	36.99 0.78 -21.40	35.16 1.06 -14.77	33.74 0.85 -17.44	26.27 0.77 -11.21	24.86 0.42 -16.57
V_F_30_SYNC_DSASP 323786	25.85 0.24 -18.36	24.05 0.16 -18.81	22.28 0.17 -17.00	22.35 0.14 -17.84	22.94 0.17 -17.66	26.01 0.16 -20.73	31.73 0.22 -24.54	31.31 0.28 -21.03	28.67 0.44 -13.40	26.36 0.31 -15.20	24.01 0.33 -12.33	25.86 0.34 -14.41	26.95 0.30 -17.78	30.23 0.26 -22.47	30.41 0.28 -22.68	32.59 0.25 -25.26	35.61 0.32 -25.95	39.68 0.29 -30.13	39.19 0.37 -26.74	36.24 0.46 -20.97	34.40 0.60 -14.47	33.02 0.48 -17.09	25.70 0.43 -10.99	24.34 0.23 -16.24
V_XM_10_SYNC_DSASP 323789	6.97 -0.28 0.00	4.86 -0.21 0.00	4.87 -0.25 0.00	4.17 -0.21 0.00	4.90 -0.20 0.00	4.94 -0.17 0.00	6.82 -0.15 0.00	9.86 -0.14 0.00	14.70 -0.12 0.00	10.81 -0.03 0.00	11.25 -0.10 0.00	10.89 -0.21 0.00	8.70 -0.17 0.00	7.28 -0.22 0.00	7.33 -0.13 0.00	7.02 -0.06 0.00	9.25 -0.09 0.00	9.29 0.02 0.00	12.13 0.05 0.00	14.91 0.10 0.00	19.41 0.08 0.00	15.46 0.02 0.00	14.28 0.00 0.00	7.76 -0.11 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	21.69 0.42 -14.02	19.73 0.29 -14.36	18.38 0.29 -12.98	18.24 0.24 -13.62	18.87 0.28 -13.48	21.22 0.29 -15.83	26.10 0.40 -18.73	26.65 0.60 -16.05	26.02 0.99 -10.20	23.19 0.77 -11.57	21.57 0.83 -9.39	23.08 0.81 -11.17	23.25 0.63 -13.75	25.44 0.52 -17.42	25.72 0.51 -17.77	27.56 0.48 -20.00	30.62 0.61 -20.66	32.92 0.62 -23.03	33.27 0.79 -20.40	31.73 0.92 -16.00	31.55 1.18 -11.04	29.42 0.93 -13.04	23.57 0.90 -8.39	20.77 0.50 -12.39

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.27 0.46 -14.56	20.30 0.31 -14.91	18.90 0.31 -13.48	18.78 0.27 -14.14	19.41 0.30 -14.00	21.85 0.31 -16.43	26.88 0.45 -19.45	27.35 0.68 -16.67	26.57 1.13 -10.62	23.77 0.88 -12.05	22.08 0.95 -9.77	23.65 0.92 -11.63	23.90 0.72 -14.31	26.23 0.59 -18.14	26.53 0.57 -18.50	28.46 0.55 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.19 0.93 -21.19	32.51 1.08 -16.61	32.19 1.39 -11.46	30.07 1.08 -13.54	24.05 1.06 -8.71	21.31 0.57 -12.87
W50THST__13_KV_LOAD 356117	22.29 0.49 -14.56	20.32 0.33 -14.91	18.92 0.33 -13.48	18.80 0.28 -14.14	19.43 0.32 -14.00	21.87 0.33 -16.43	26.91 0.48 -19.45	27.40 0.73 -16.67	26.63 1.19 -10.62	23.82 0.93 -12.05	22.14 1.01 -9.77	23.72 0.99 -11.63	23.94 0.76 -14.31	26.27 0.63 -18.14	26.56 0.61 -18.50	28.49 0.58 -20.83	31.61 0.79 -21.47	33.98 0.80 -23.91	34.26 0.99 -21.19	32.56 1.14 -16.61	32.26 1.47 -11.46	30.13 1.14 -13.54	24.10 1.11 -8.71	21.34 0.60 -12.87
WADING RIVER_IC_1 23522	27.71 0.56 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.26 0.41 -20.74	31.61 0.59 -24.05	30.58 0.85 -19.73	28.79 1.25 -12.72	24.55 0.95 -12.76	27.32 0.94 -15.02	29.09 0.91 -17.08	29.15 0.70 -19.58	29.09 0.56 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.72 0.64 -25.73	41.48 0.69 -31.53	42.40 0.98 -29.34	42.21 1.23 -26.17	47.06 1.56 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.63 0.61 -21.15
WADING RIVER_IC_2 23547	27.71 0.56 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.26 0.41 -20.74	31.61 0.59 -24.05	30.58 0.85 -19.73	28.79 1.25 -12.72	24.55 0.95 -12.76	27.32 0.94 -15.02	29.09 0.91 -17.08	29.15 0.70 -19.58	29.09 0.56 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.72 0.64 -25.73	41.48 0.69 -31.53	42.40 0.98 -29.34	42.21 1.23 -26.17	47.06 1.56 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.63 0.61 -21.15
WADING RIVER_IC_3 23601	27.71 0.56 -19.90	23.84 0.42 -18.35	21.36 0.42 -15.82	21.12 0.36 -16.38	23.81 0.40 -18.30	26.26 0.41 -20.74	31.61 0.59 -24.05	30.58 0.85 -19.73	28.79 1.25 -12.72	24.55 0.95 -12.76	27.32 0.94 -15.02	29.09 0.91 -17.08	29.15 0.70 -19.58	29.09 0.56 -21.03	29.98 0.48 -22.05	31.79 0.42 -24.29	35.72 0.64 -25.73	41.48 0.69 -31.53	42.40 0.98 -29.34	42.21 1.23 -26.17	47.06 1.56 -26.17	35.33 1.28 -18.60	31.51 1.20 -16.03	29.63 0.61 -21.15
WALDENNY_12_KV_BK2 80841	9.94 0.04 -2.66	7.82 0.02 -2.72	7.65 0.07 -2.46	7.00 0.04 -2.58	7.70 0.04 -2.56	8.14 0.03 -3.00	10.47 -0.05 -3.55	12.75 -0.29 -3.03	14.77 -0.65 -0.60	12.54 -0.49 -2.19	12.63 -0.50 -1.78	12.78 -0.41 -2.09	11.19 -0.27 -2.58	10.59 -0.17 -3.26	10.55 -0.22 -3.31	10.57 -0.21 -3.71	12.88 -0.28 -3.81	13.21 -0.42 -4.36	15.49 -0.46 -3.87	17.29 -0.55 -3.03	20.55 -0.87 -2.09	17.22 -0.70 -2.47	15.33 -0.54 -1.59	10.23 0.01 -2.35
WALDEN__HYDRO 24148	21.70 0.40 -14.05	19.75 0.28 -14.40	18.39 0.27 -13.01	18.25 0.23 -13.65	18.88 0.26 -13.52	21.24 0.26 -15.87	26.09 0.34 -18.78	26.62 0.53 -16.09	25.90 0.83 -10.25	23.12 0.65 -11.63	21.49 0.70 -9.43	23.00 0.69 -11.21	23.19 0.52 -13.79	25.42 0.43 -17.48	25.68 0.42 -17.81	27.52 0.40 -20.04	30.54 0.55 -20.65	32.93 0.57 -23.08	33.29 0.76 -20.45	31.75 0.90 -16.04	31.56 1.16 -11.07	29.43 0.91 -13.07	23.52 0.83 -8.41	20.79 0.50 -12.42
WARRENSBURG____ 23737	26.37 0.30 -18.81	24.56 0.21 -19.28	22.75 0.21 -17.42	22.83 0.18 -18.28	23.42 0.21 -18.10	26.57 0.22 -21.24	32.45 0.33 -25.14	32.00 0.46 -21.54	29.23 0.68 -13.73	26.89 0.48 -15.57	24.48 0.50 -12.63	26.38 0.52 -14.75	27.51 0.44 -18.20	30.94 0.44 -23.00	31.10 0.44 -23.21	33.35 0.42 -25.84	36.34 0.46 -26.54	40.56 0.43 -30.86	39.98 0.52 -27.39	36.83 0.55 -21.48	35.04 0.89 -14.82	33.65 0.70 -17.51	26.15 0.61 -11.26	24.85 0.35 -16.63
WATERSIDE____6 8 9 23538	22.26 0.45 -14.56	20.30 0.31 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.29 -16.43	26.85 0.43 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.77 0.88 -12.05	22.07 0.94 -9.77	23.65 0.92 -11.63	23.89 0.71 -14.31	26.22 0.58 -18.14	26.52 0.57 -18.50	28.45 0.54 -20.83	31.55 0.73 -21.47	33.92 0.74 -23.91	34.20 0.93 -21.19	32.48 1.05 -16.61	32.15 1.35 -11.46	30.04 1.05 -13.54	24.03 1.04 -8.71	21.31 0.57 -12.87
WATKINRD_115KV_LN8_ILLION 55919	7.29 0.04 0.00	5.09 0.02 0.00	5.13 0.02 0.00	4.39 0.01 0.00	5.12 0.02 0.00	5.14 0.03 0.00	6.99 0.02 0.00	10.03 0.03 0.00	14.85 0.03 0.00	10.85 0.01 0.00	11.35 0.00 0.00	11.13 0.03 0.00	8.87 0.00 0.00	7.50 0.00 0.00	7.45 0.00 0.00	7.06 -0.02 0.00	9.33 -0.02 0.00	9.24 -0.03 0.00	12.05 -0.02 0.00	14.78 -0.03 0.00	19.33 0.00 0.00	15.46 0.02 0.00	14.30 0.01 0.00	7.91 0.04 0.00
WATSON____69_KV_BK 1 55734	27.81 0.66 -19.90	23.86 0.46 -18.33	21.39 0.46 -15.81	21.14 0.39 -16.37	23.83 0.45 -18.27	26.28 0.46 -20.71	31.70 0.68 -24.05	30.73 1.00 -19.73	29.07 1.53 -12.72	24.75 1.15 -12.76	27.53 1.16 -15.02	29.24 1.05 -17.08	29.32 0.87 -19.58	29.24 0.71 -21.03	30.17 0.67 -22.05	32.01 0.64 -24.29	35.99 0.91 -25.73	41.74 0.95 -31.53	42.67 1.24 -29.34	42.48 1.50 -26.17	47.43 1.93 -26.17	35.59 1.54 -18.60	31.77 1.46 -16.03	29.78 0.76 -21.15
WDELAWARE__HYD 323627	20.62 0.38 -12.98	18.64 0.26 -13.30	17.37 0.24 -12.02	17.19 0.21 -12.61	17.82 0.22 -12.49	20.00 0.23 -14.66	24.60 0.27 -17.35	25.34 0.47 -14.86	25.04 0.74 -9.47	22.16 0.57 -10.75	20.71 0.64 -8.71	22.06 0.62 -10.34	22.08 0.49 -12.73	24.02 0.40 -16.12	24.26 0.40 -16.41	25.92 0.40 -18.44	28.89 0.54 -19.00	31.17 0.57 -21.32	31.74 0.76 -18.90	30.50 0.87 -14.82	30.70 1.14 -10.23	28.42 0.90 -12.08	22.83 0.79 -7.77	19.89 0.54 -11.48
WEST BABYLON__IC 23714	27.80 0.65 -19.90	23.80 0.45 -18.28	21.34 0.45 -15.78	21.09 0.38 -16.34	23.76 0.44 -18.22	26.21 0.44 -20.65	31.68 0.66 -24.05	30.69 0.96 -19.73	29.03 1.48 -12.72	24.73 1.13 -12.76	27.52 1.15 -15.02	29.22 1.04 -17.08	29.31 0.86 -19.58	29.24 0.71 -21.03	30.18 0.68 -22.05	32.01 0.64 -24.29	35.97 0.89 -25.73	41.71 0.92 -31.53	42.62 1.20 -29.34	42.42 1.44 -26.17	47.33 1.84 -26.17	35.52 1.47 -18.60	31.72 1.41 -16.03	29.76 0.74 -21.15
WEST CANADA__HYD 24049	7.29 0.04 0.00	5.09 0.02 0.00	5.14 0.02 0.00	4.39 0.01 0.00	5.12 0.02 0.00	5.13 0.02 0.00	7.00 0.03 0.00	10.03 0.03 0.00	14.87 0.04 0.00	10.87 0.03 0.00	11.38 0.02 0.00	11.12 0.02 0.00	8.89 0.02 0.00	7.53 0.02 0.00	7.47 0.01 0.00	7.09 0.01 0.00	9.37 0.02 0.00	9.29 0.02 0.00	12.10 0.02 0.00	14.84 0.03 0.00	19.37 0.04 0.00	15.49 0.05 0.00	14.31 0.03 0.00	7.90 0.03 0.00
WESTERN_NY_WIND 24143	9.70 0.03 -2.42	7.60 0.04 -2.48	7.44 0.08 -2.24	6.77 0.04 -2.35	7.47 0.04 -2.33	7.87 0.03 -2.74	10.15 -0.06 -3.24	12.43 -0.34 -2.77	14.96 -0.64 -0.77	12.24 -0.60 -2.00	12.39 -0.59 -1.62	12.41 -0.60 -1.91	10.83 -0.40 -2.36	10.23 -0.26 -2.98	10.18 -0.30 -3.02	10.17 -0.29 -3.38	12.44 -0.38 -3.48	12.73 -0.51 -3.97	15.04 -0.56 -3.52	17.01 -0.56 -2.76	20.33 -0.91 -1.91	17.04 -0.66 -2.25	15.20 -0.53 -1.45	10.05 0.04 -2.14



WESTOVER___LESR 323668	12.15 0.22 -4.68	9.99 0.12 -4.80	9.59 0.13 -4.34	9.03 0.11 -4.55	9.74 0.12 -4.51	10.53 0.13 -5.29	13.40 0.17 -6.26	15.55 0.19 -5.36	18.68 0.19 -3.66	14.84 0.12 -3.88	14.65 0.15 -3.14	14.98 0.18 -3.70	13.58 0.14 -4.56	13.41 0.14 -5.77	13.42 0.12 -5.85	13.73 0.11 -6.55	16.24 0.16 -6.73	17.09 0.14 -7.69	19.07 0.18 -6.82	20.36 0.21 -5.34	23.31 0.29 -3.69	20.02 0.22 -4.36	17.27 0.19 -2.80	12.22 0.20 -4.14
WETHRSFD_WT_PWR 323626	10.31 0.08 -2.98	8.18 0.05 -3.05	7.95 0.08 -2.76	7.31 0.04 -2.89	8.00 0.03 -2.87	8.50 0.03 -3.36	10.93 -0.02 -3.98	13.21 -0.20 -3.41	11.94 -0.55 2.33	12.93 -0.38 -2.46	12.96 -0.39 -1.99	13.09 -0.36 -2.35	11.54 -0.22 -2.89	11.02 -0.14 -3.66	10.98 -0.18 -3.71	11.05 -0.18 -4.15	13.40 -0.21 -4.27	13.84 -0.30 -4.87	16.07 -0.33 -4.32	17.81 -0.39 -3.39	21.05 -0.62 -2.34	17.72 -0.49 -2.76	15.66 -0.40 -1.78	10.53 0.02 -2.63
WHAVSTOR_138KV_BK127 55557	21.69 0.41 -14.04	19.73 0.28 -14.38	18.39 0.28 -12.99	18.25 0.24 -13.64	18.88 0.27 -13.50	21.23 0.28 -15.85	26.11 0.38 -18.76	26.65 0.58 -16.07	26.00 0.93 -10.24	23.18 0.73 -11.62	21.56 0.78 -9.42	23.07 0.75 -11.21	23.25 0.59 -13.79	25.46 0.47 -17.48	25.74 0.46 -17.83	27.58 0.43 -20.07	30.62 0.58 -20.69	32.92 0.59 -23.06	33.25 0.75 -20.43	31.70 0.87 -16.02	31.50 1.12 -11.05	29.39 0.88 -13.06	23.55 0.87 -8.40	20.76 0.48 -12.40
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	21.69 0.41 -14.04	19.73 0.28 -14.38	18.39 0.28 -12.99	18.25 0.24 -13.64	18.88 0.27 -13.50	21.23 0.28 -15.85	26.11 0.38 -18.76	26.65 0.58 -16.07	26.00 0.93 -10.24	23.18 0.73 -11.62	21.56 0.78 -9.42	23.07 0.75 -11.21	23.25 0.59 -13.79	25.46 0.47 -17.48	25.74 0.46 -17.83	27.58 0.43 -20.07	30.62 0.58 -20.69	32.92 0.59 -23.06	33.25 0.75 -20.43	31.70 0.87 -16.02	31.50 1.12 -11.05	29.39 0.88 -13.06	23.55 0.87 -8.40	20.76 0.48 -12.40
WHITEHAL_115KV_TB1 80871	26.49 0.45 -18.79	24.62 0.30 -19.25	22.82 0.31 -17.39	22.89 0.27 -18.25	23.50 0.32 -18.07	26.65 0.33 -21.21	32.58 0.50 -25.10	32.20 0.69 -21.51	29.54 1.01 -13.71	27.11 0.72 -15.55	24.70 0.74 -12.61	26.55 0.72 -14.73	27.70 0.67 -18.17	31.10 0.65 -22.96	31.27 0.66 -23.16	33.50 0.63 -25.79	36.56 0.73 -26.48	40.76 0.68 -30.81	40.27 0.85 -27.34	37.20 0.95 -21.44	35.54 1.41 -14.80	34.04 1.11 -17.48	26.49 0.97 -11.24	24.99 0.51 -16.61
WHITEPLN_13_KV_LOAD 356215	22.24 0.46 -14.53	20.28 0.32 -14.89	18.88 0.32 -13.45	18.77 0.28 -14.11	19.40 0.32 -13.98	21.84 0.33 -16.40	26.85 0.46 -19.41	27.32 0.68 -16.63	26.52 1.10 -10.60	23.71 0.85 -12.02	22.01 0.91 -9.75	23.64 0.93 -11.61	23.85 0.69 -14.28	26.18 0.58 -18.10	26.48 0.57 -18.46	28.42 0.55 -20.79	31.51 0.73 -21.43	33.88 0.74 -23.87	34.15 0.93 -21.14	32.47 1.08 -16.58	32.18 1.41 -11.44	30.03 1.07 -13.52	23.99 1.01 -8.69	21.28 0.57 -12.84
WM_FLOYD_69_KV_BK2 356380	27.74 0.59 -19.90	23.84 0.42 -18.35	21.37 0.43 -15.82	21.12 0.37 -16.38	23.82 0.41 -18.30	26.27 0.42 -20.74	31.64 0.62 -24.05	30.63 0.90 -19.73	28.88 1.33 -12.72	24.62 1.02 -12.76	27.38 1.01 -15.02	29.10 0.92 -17.08	29.20 0.75 -19.58	29.13 0.60 -21.03	30.04 0.54 -22.05	31.86 0.49 -24.29	35.81 0.73 -25.73	41.57 0.77 -31.53	42.49 1.06 -29.34	42.28 1.30 -26.17	47.18 1.68 -26.17	35.41 1.36 -18.60	31.58 1.27 -16.03	29.68 0.66 -21.15
WOODARD__115KV_TB2 355635	8.80 0.01 -1.53	6.63 -0.02 -1.57	6.52 -0.02 -1.42	5.85 -0.01 -1.49	6.56 -0.02 -1.48	6.84 -0.01 -1.73	9.01 -0.01 -2.05	11.71 -0.05 -1.76	15.81 -0.13 -1.12	12.00 -0.11 -1.27	12.31 -0.08 -1.03	12.27 -0.04 -1.21	10.32 -0.04 -1.49	9.38 -0.02 -1.89	9.34 -0.03 -1.92	9.18 -0.04 -2.14	11.51 -0.05 -2.21	11.71 -0.07 -2.52	14.20 -0.11 -2.23	16.43 -0.13 -1.75	20.38 -0.15 -1.21	16.75 -0.12 -1.43	15.06 -0.14 -0.92	9.21 -0.02 -1.36
YORK___WARBASSE 23770	22.27 0.46 -14.56	20.31 0.32 -14.92	18.90 0.31 -13.48	18.77 0.26 -14.14	19.41 0.30 -14.00	21.83 0.28 -16.43	26.85 0.42 -19.45	27.32 0.65 -16.67	26.52 1.08 -10.62	23.78 0.89 -12.05	22.08 0.95 -9.77	23.66 0.93 -11.63	23.91 0.73 -14.31	26.24 0.59 -18.14	26.53 0.58 -18.50	28.47 0.55 -20.83	31.57 0.75 -21.47	33.95 0.77 -23.91	34.22 0.95 -21.19	32.52 1.10 -16.61	32.21 1.41 -11.46	30.09 1.10 -13.54	24.08 1.09 -8.71	21.34 0.60 -12.87