

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

05/16/2023

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	17.94	14.53	13.28	12.29	13.68	16.68	22.19	26.94	22.58	19.00	19.83	20.38	22.34	23.60	27.34	27.91	38.56	44.98	48.19	40.49	36.27	28.88	23.57	20.79
24138	0.42	0.41	0.32	0.36	0.35	0.41	0.49	0.60	0.77	0.86	0.84	0.58	0.60	0.60	0.58	0.50	0.52	0.59	0.54	1.33	1.59	1.11	1.23	0.72
	-12.58	-8.90	-8.96	-7.71	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.90	-22.31	-32.93	-38.51	-42.00	-24.58	-16.98	-13.31	-8.21	-11.88
74TH STREET_GT_1	17.94	14.53	13.28	12.28	13.68	16.67	22.18	26.92	22.55	18.98	19.80	20.37	22.32	23.58	27.32	27.90	38.54	44.97	48.19	40.46	36.25	28.85	23.54	20.77
24260	0.42	0.41	0.32	0.36	0.35	0.40	0.48	0.58	0.74	0.84	0.82	0.56	0.58	0.59	0.57	0.49	0.50	0.58	0.54	1.30	1.57	1.09	1.20	0.70
	-12.58	-8.90	-8.96	-7.71	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.51	-42.00	-24.58	-16.98	-13.31	-8.21	-11.88
74TH STREET_GT_2	17.94	14.53	13.28	12.28	13.68	16.67	22.18	26.92	22.55	18.98	19.80	20.37	22.32	23.58	27.32	27.90	38.54	44.97	48.19	40.46	36.25	28.85	23.54	20.77
24261	0.42	0.41	0.32	0.36	0.35	0.40	0.48	0.58	0.74	0.84	0.82	0.56	0.58	0.59	0.57	0.49	0.50	0.58	0.54	1.30	1.57	1.09	1.20	0.70
	-12.58	-8.90	-8.96	-7.71	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.51	-42.00	-24.58	-16.98	-13.31	-8.21	-11.88
ADK HUDSON___FALLS	20.74	16.42	15.25	13.90	15.60	19.16	25.75	31.32	25.43	20.71	21.83	23.44	25.59	26.94	31.07	31.95	43.75	50.74	54.43	45.82	39.65	31.65	24.81	23.28
24011	0.14	0.12	0.09	0.09	0.11	0.14	0.21	0.25	0.23	0.26	0.27	0.22	0.22	0.22	0.20	0.18	0.19	0.22	0.21	0.61	0.71	0.54	0.41	0.22
	-15.66	-11.08	-11.15	-9.60	-10.96	-13.99	-19.43	-23.91	-17.12	-11.64	-12.96	-17.25	-19.40	-20.75	-25.02	-26.67	-38.46	-44.64	-48.57	-30.63	-21.25	-16.65	-10.27	-14.87
ADK RESOURCE___RCVRY	20.76	16.43	15.26	13.92	15.61	19.18	25.76	31.34	25.45	20.74	21.86	23.47	25.64	27.00	31.13	32.01	43.86	50.86	54.62	45.96	39.79	31.70	24.86	23.32
23798	0.15	0.13	0.10	0.09	0.11	0.15	0.23	0.28	0.26	0.29	0.29	0.24	0.25	0.25	0.23	0.20	0.21	0.25	0.24	0.69	0.80	0.55	0.44	0.24
	-15.67	-11.09	-11.16	-9.60	-10.97	-14.00	-19.42	-23.89	-17.10	-11.65	-12.97	-17.26	-19.42	-20.78	-25.05	-26.71	-38.53	-44.74	-48.74	-30.69	-21.30	-16.69	-10.29	-14.90
ADK S GLENS___FALLS	20.74	16.42	15.25	13.90	15.60	19.16	25.75	31.32	25.43	20.71	21.83	23.44	25.59	26.94	31.07	31.95	43.75	50.74	54.43	45.82	39.65	31.65	24.81	23.28
24028	0.14	0.12	0.09	0.09	0.11	0.14	0.21	0.25	0.23	0.26	0.27	0.22	0.22	0.22	0.20	0.18	0.19	0.22	0.21	0.61	0.71	0.54	0.41	0.22
	-15.66	-11.08	-11.15	-9.60	-10.96	-13.99	-19.43	-23.91	-17.12	-11.64	-12.96	-17.25	-19.40	-20.75	-25.02	-26.67	-38.46	-44.64	-48.57	-30.63	-21.25	-16.65	-10.27	-14.87
ADK_NYS___DAM	20.25	16.14	14.94	13.64	15.31	18.74	25.09	30.50	24.88	20.37	21.41	22.82	24.74	25.96	29.67	30.44	41.06	47.47	50.91	44.62	38.87	31.13	24.62	22.83
23527	0.20	0.23	0.18	0.17	0.21	0.21	0.26	0.31	0.31	0.34	0.33	0.22	0.20	0.20	0.20	0.17	0.17	0.22	0.21	0.55	0.67	0.61	0.58	0.29
	-15.11	-10.69	-10.76	-9.26	-10.57	-13.50	-18.72	-23.03	-16.49	-11.22	-12.49	-16.62	-18.57	-19.79	-23.63	-25.17	-35.78	-41.37	-45.04	-29.49	-20.50	-16.07	-9.91	-14.34
AIR_PRODUCTS___DRP	20.23	16.11	14.92	13.63	15.28	18.72	25.05	30.47	24.88	20.39	21.44	22.82	24.89	26.20	30.18	30.99	42.37	49.14	52.76	44.69	38.90	31.11	24.61	22.86
24190	0.21	0.22	0.17	0.17	0.19	0.21	0.26	0.30	0.33	0.39	0.38	0.26	0.25	0.24	0.25	0.21	0.21	0.25	0.23	0.60	0.73	0.61	0.58	0.34
	-15.09	-10.67	-10.74	-9.24	-10.56	-13.48	-18.68	-23.00	-16.47	-11.20	-12.47	-16.59	-18.67	-19.98	-24.09	-25.68	-37.05	-43.02	-46.88	-29.52	-20.48	-16.05	-9.89	-14.33
AKWESSNE_115KV_BK	1.52	1.53	1.52	1.10	1.09	1.16	1.03	1.54	1.52	1.53	1.52	1.52	1.52	1.52	2.03	4.94	4.95	5.71	5.51	14.21	17.22	14.04	13.72	7.89
355683	-0.15	-0.16	-0.12	-0.13	-0.14	-0.15	-0.20	-0.23	-0.27	-0.29	-0.28	-0.19	-0.18	-0.19	-0.18	-0.16	-0.16	-0.16	-0.14	-0.36	-0.48	-0.42	-0.41	-0.30
	3.27	3.53	2.36	2.99	3.30	3.72	4.89	5.40	6.30	6.98	6.79	4.27	4.27	4.27	3.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	20.23	16.11	14.92	13.63	15.28	18.72	25.05	30.47	24.88	20.39	21.44	22.82	24.89	26.20	30.18	30.99	42.37	49.14	52.76	44.69	38.90	31.11	24.61	22.86
23571	0.21	0.22	0.17	0.17	0.19	0.21	0.26	0.30	0.33	0.39	0.38	0.26	0.25	0.24	0.25	0.21	0.21	0.25	0.23	0.60	0.73	0.61	0.58	0.34
	-15.09	-10.67	-10.74	-9.24	-10.56	-13.48	-18.68	-23.00	-16.47	-11.20	-12.47	-16.59	-18.67	-19.98	-24.09	-25.68	-37.05	-43.02	-46.88	-29.52	-20.48	-16.05	-9.89	-14.33
ALBANY___2	20.23	16.11	14.92	13.63	15.28	18.72	25.05	30.47	24.88	20.39	21.44	22.82	24.89	26.20	30.18	30.99	42.37	49.14	52.76	44.69	38.90	31.11	24.61	22.86
23572	0.21	0.22	0.17	0.17	0.19	0.21	0.26	0.30	0.33	0.39	0.38	0.26	0.25	0.24	0.25	0.21	0.21	0.25	0.23	0.60	0.73	0.61	0.58	0.34
	-15.09	-10.67	-10.74	-9.24	-10.56	-13.48	-18.68	-23.00	-16.47	-11.20	-12.47	-16.59	-18.67	-19.98	-24.09	-25.68	-37.05	-43.02	-46.88	-29.52	-20.48	-16.05	-9.89	-14.33
ALBANY___3	20.23	16.11	14.92	13.63	15.28	18.72	25.05	30.47	24.88	20.39	21.44	22.82	24.89	26.20	30.18	30.99	42.37	49.14	52.76	44.69	38.90	31.11	24.61	22.86
23573	0.21	0.22	0.17	0.17	0.19	0.21	0.26	0.30	0.33	0.39	0.38	0.26	0.25	0.24	0.25	0.21	0.21	0.25	0.23	0.60	0.73	0.61	0.58	0.34
	-15.09	-10.67	-10.74	-9.24	-10.56	-13.48	-18.68	-23.00	-16.47	-11.20	-12.47	-16.59	-18.67	-19.98	-24.09	-25.68	-37.05	-43.02	-46.88	-29.52	-20.48	-16.05	-9.89	-14.33

ALBANY___4 23574	20.23 0.21 -15.09	16.11 0.22 -10.67	14.92 0.17 -10.74	13.63 0.17 -9.24	15.28 0.19 -10.56	18.72 0.21 -13.48	25.05 0.26 -18.68	30.47 0.30 -23.00	24.88 0.33 -16.47	20.39 0.39 -11.20	21.44 0.38 -12.47	22.82 0.26 -16.59	24.89 0.25 -18.67	26.20 0.24 -19.98	30.18 0.25 -24.09	30.99 0.21 -25.68	42.37 0.21 -37.05	49.14 0.25 -43.02	52.76 0.23 -46.88	44.69 0.60 -29.52	38.90 0.73 -20.48	31.11 0.61 -16.05	24.61 0.58 -9.89	22.86 0.34 -14.33
ALBANY___LFGE 323615	20.38 0.23 -15.21	16.22 0.24 -10.76	15.03 0.19 -10.83	13.73 0.19 -9.32	15.39 0.21 -10.65	18.85 0.23 -13.59	25.25 0.29 -18.85	30.68 0.33 -23.19	25.06 0.37 -16.60	20.53 0.43 -11.30	21.59 0.41 -12.58	23.00 0.29 -16.74	25.09 0.29 -18.83	26.41 0.28 -20.15	30.42 0.27 -24.30	31.25 0.24 -25.90	42.73 0.24 -37.38	49.55 0.28 -43.40	53.19 0.26 -47.28	45.01 0.67 -29.76	39.16 0.81 -20.65	31.32 0.68 -16.18	24.76 0.65 -9.98	23.01 0.38 -14.45
ALCOA_PA_115KV_PL-6C 55860	1.74 -0.17 3.02	1.66 -0.18 3.37	1.70 -0.14 2.17	1.28 -0.14 2.79	1.29 -0.15 3.08	1.41 -0.17 3.45	1.28 -0.21 4.62	1.85 -0.25 5.06	1.90 -0.29 5.89	1.93 -0.33 6.55	1.89 -0.32 6.39	1.69 -0.21 4.08	1.81 -0.21 3.95	1.69 -0.21 4.07	2.17 -0.20 3.47	4.93 -0.17 0.00	4.93 -0.17 0.00	5.70 -0.18 0.00	5.50 -0.15 0.00	14.20 -0.38 0.00	17.18 -0.51 0.00	14.00 -0.46 0.00	13.71 -0.42 0.00	7.86 -0.33 0.00
ALCOA_RYNLDS___DRP 24188	1.74 -0.17 3.02	1.66 -0.18 3.37	1.70 -0.14 2.17	1.28 -0.14 2.79	1.29 -0.15 3.08	1.41 -0.17 3.45	1.28 -0.21 4.62	1.85 -0.25 5.06	1.90 -0.29 5.89	1.93 -0.33 6.55	1.89 -0.32 6.39	1.69 -0.21 4.08	1.81 -0.21 3.95	1.69 -0.21 4.07	2.17 -0.20 3.47	4.93 -0.17 0.00	4.93 -0.17 0.00	5.70 -0.18 0.00	5.50 -0.15 0.00	14.20 -0.38 0.00	17.18 -0.51 0.00	14.00 -0.46 0.00	13.71 -0.42 0.00	7.86 -0.33 0.00
ALCOA___DSASP 323711	1.74 -0.17 3.02	1.66 -0.18 3.37	1.70 -0.14 2.17	1.28 -0.14 2.79	1.29 -0.15 3.08	1.41 -0.17 3.45	1.28 -0.21 4.62	1.85 -0.25 5.06	1.91 -0.29 5.88	1.94 -0.33 6.54	1.90 -0.32 6.37	1.69 -0.21 4.07	1.81 -0.21 3.95	1.69 -0.21 4.07	2.17 -0.20 3.47	4.93 -0.17 0.00	4.93 -0.17 0.00	5.70 -0.18 0.00	5.50 -0.15 0.00	14.20 -0.38 0.00	17.18 -0.51 0.00	14.00 -0.46 0.00	13.71 -0.42 0.00	7.89 -0.30 0.00
ALLEGHENY___COGEN 23514	7.35 0.32 -2.09	7.04 0.34 -1.48	5.74 0.24 -1.49	5.74 0.24 -1.28	6.29 0.30 -1.46	7.24 0.34 -1.87	9.14 0.44 -2.59	10.82 0.47 -3.18	10.73 0.37 -2.28	10.68 0.33 -1.55	10.66 0.34 -1.73	8.47 0.20 -2.30	8.73 0.16 -2.60	8.91 0.15 -2.79	9.39 0.15 -3.39	8.85 0.13 -3.61	10.53 0.14 -5.28	12.22 0.19 -6.15	12.55 0.20 -6.70	19.32 0.64 -4.10	21.43 0.90 -2.84	17.61 0.93 -2.22	16.22 0.72 -1.37	10.71 0.54 -1.98
ALTAMONT_115KV_TB 2 55880	20.23 0.18 -15.11	16.10 0.19 -10.69	14.92 0.15 -10.76	13.63 0.16 -9.26	15.27 0.17 -10.58	18.72 0.19 -13.50	25.62 0.28 -19.23	31.13 0.32 -23.65	25.37 0.36 -16.93	20.70 0.38 -11.52	21.78 0.36 -12.82	23.29 0.26 -17.06	25.45 0.26 -19.23	26.83 0.26 -20.59	30.99 0.25 -24.89	31.86 0.22 -26.53	43.76 0.23 -38.42	50.80 0.28 -44.64	53.38 0.21 -47.52	44.68 0.54 -29.56	38.83 0.64 -20.50	31.06 0.54 -16.06	24.56 0.52 -9.90	22.84 0.31 -14.34
ALTONA_WT_PWR 323606	-0.02 -0.35 4.61	1.33 -0.40 3.48	-0.01 -0.31 3.70	-0.05 -0.32 3.94	-0.05 -0.35 4.23	-0.52 -0.38 5.17	0.11 -0.46 5.55	-0.08 -0.49 6.75	-0.50 -0.61 7.97	-0.49 -0.67 8.63	-0.11 -0.60 8.10	1.36 -0.41 4.21	-0.50 -0.41 6.06	1.38 -0.39 4.21	1.97 -0.29 3.59	4.92 -0.18 0.00	4.98 -0.13 0.00	5.81 -0.07 0.00	5.63 -0.02 0.00	14.56 -0.01 0.00	17.57 -0.12 0.00	14.20 -0.26 0.00	13.86 -0.27 0.00	7.94 -0.25 0.00
AMERICAN_REF_FUEL 24010	6.90 -0.08 -2.05	6.65 -0.02 -1.45	5.44 -0.02 -1.46	5.43 -0.05 -1.26	5.92 -0.04 -1.44	6.78 -0.08 -1.83	8.51 -0.13 -2.54	10.04 -0.24 -3.12	10.03 -0.28 -2.23	10.02 -0.30 -1.52	10.02 -0.26 -1.69	8.02 -0.21 -2.25	8.29 -0.22 -2.55	8.47 -0.23 -2.73	8.92 -0.25 -3.32	8.40 -0.24 -3.54	10.07 -0.22 -5.18	11.61 -0.30 -6.03	11.87 -0.36 -6.58	17.42 -1.18 -4.02	19.05 -1.43 -2.79	15.75 -0.90 -2.18	14.57 -0.90 -1.35	9.93 -0.20 -1.95
ARKWRIGHT___SUMMIT_WT_PWR 323751	7.20 -0.01 -2.28	6.87 0.04 -1.61	5.65 0.02 -1.62	5.60 -0.01 -1.40	6.11 0.00 -1.59	7.01 -0.06 -2.03	8.90 -0.04 -2.82	10.57 -0.06 -3.47	10.50 -0.06 -2.48	10.44 -0.06 -1.69	10.43 -0.05 -1.89	8.38 -0.10 -2.51	8.66 -0.14 -2.84	8.86 -0.17 -3.05	9.36 -0.19 -3.70	8.84 -0.21 -3.95	10.68 -0.18 -5.76	12.34 -0.24 -6.70	12.71 -0.25 -7.31	18.27 -0.77 -4.47	20.06 -0.73 -3.09	16.52 -0.36 -2.42	15.26 -0.37 -1.49	10.40 0.05 -2.16
ARTHUR_KILL_GT_1 23520	17.96 0.44 -12.59	14.55 0.42 -8.91	13.30 0.32 -8.97	12.30 0.36 -7.72	13.68 0.35 -8.80	16.63 0.36 -11.24	22.09 0.39 -15.59	26.82 0.49 -19.17	22.46 0.65 -13.72	18.87 0.74 -9.33	19.72 0.74 -10.39	20.32 0.52 -13.82	22.28 0.54 -15.77	23.54 0.55 -17.01	27.29 0.54 -20.90	27.87 0.46 -22.30	38.53 0.50 -32.93	44.95 0.57 -38.51	48.18 0.54 -41.99	40.44 1.28 -24.58	36.19 1.52 -16.97	28.70 0.94 -13.30	23.51 1.17 -8.21	20.81 0.74 -11.88
ARTHUR_KILL_2 23512	17.95 0.42 -12.59	14.53 0.41 -8.91	13.28 0.31 -8.97	12.29 0.35 -7.72	13.67 0.34 -8.80	16.62 0.35 -11.24	22.08 0.38 -15.59	26.80 0.47 -19.17	22.44 0.64 -13.72	18.85 0.72 -9.33	19.70 0.72 -10.39	20.30 0.50 -13.82	22.26 0.53 -15.77	23.52 0.53 -17.01	27.27 0.53 -20.90	27.85 0.45 -22.30	38.51 0.48 -32.93	44.94 0.55 -38.51	48.16 0.52 -41.99	40.38 1.22 -24.58	36.13 1.47 -16.97	28.67 0.91 -13.30	23.47 1.13 -8.21	20.78 0.71 -11.88
ARTHUR_KILL_3 23513	17.90 0.38 -12.58	14.48 0.37 -8.90	13.25 0.29 -8.96	12.26 0.34 -7.71	13.65 0.32 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.85 0.52 -19.18	22.49 0.68 -13.73	18.93 0.79 -9.34	19.73 0.75 -10.40	20.32 0.51 -13.83	22.27 0.53 -15.77	23.53 0.54 -17.02	27.27 0.52 -20.91	27.85 0.44 -22.31	38.48 0.44 -32.93	44.90 0.51 -38.51	48.12 0.47 -42.00	40.30 1.14 -24.58	36.04 1.36 -16.98	28.75 0.98 -13.31	23.45 1.12 -8.21	20.72 0.65 -11.88
ARTHUR_KILL_COGEN 323718	17.96 0.44 -12.59	14.55 0.42 -8.91	13.30 0.32 -8.97	12.30 0.36 -7.72	13.68 0.35 -8.80	16.63 0.36 -11.24	22.09 0.39 -15.59	26.82 0.49 -19.17	22.46 0.65 -13.72	18.87 0.74 -9.33	19.72 0.74 -10.39	20.32 0.52 -13.82	22.28 0.54 -15.77	23.54 0.55 -17.01	27.29 0.54 -20.90	27.87 0.46 -22.30	38.53 0.50 -32.93	44.95 0.57 -38.51	48.18 0.54 -41.99	40.44 1.28 -24.58	36.19 1.52 -16.97	28.70 0.94 -13.30	23.51 1.17 -8.21	20.81 0.74 -11.88
ASHOKAN____ 23654	18.57 0.12 -13.52	14.92 0.14 -9.56	13.74 0.11 -9.63	12.61 0.11 -8.28	14.11 0.12 -9.46	17.25 0.15 -12.08	23.07 0.21 -16.75	27.99 0.22 -20.61	23.08 0.25 -14.75	19.04 0.21 -10.03	19.91 0.15 -11.17	20.94 0.11 -14.86	22.88 0.10 -16.81	24.13 0.11 -18.05	27.91 0.13 -21.93	28.61 0.12 -23.38	39.39 0.13 -34.16	45.78 0.12 -39.78	49.15 0.15 -43.35	41.58 0.51 -26.49	36.71 0.67 -18.35	29.40 0.56 -14.37	23.50 0.51 -8.86	21.31 0.29 -12.84

ASTORIA_EAST_ENERGY_CC1 323581	17.93 0.40 -12.59	14.55 0.42 -8.91	13.30 0.32 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.77 -9.33	19.74 0.76 -10.39	20.32 0.52 -13.82	22.28 0.54 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.44 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.36 1.03 -8.20	20.75 0.68 -11.88
ASTORIA_EAST_ENERGY_CC2 323582	17.93 0.40 -12.59	14.55 0.42 -8.91	13.30 0.32 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.77 -9.33	19.74 0.76 -10.39	20.32 0.52 -13.82	22.28 0.54 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.44 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.36 1.03 -8.20	20.75 0.68 -11.88
ASTORIA_GT2_1 24094	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT2_2 24095	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT2_3 24096	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT2_4 24097	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT3_1 24098	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT3_2 24099	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT3_3 24100	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT3_4 24101	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT4_1 24102	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT4_2 24103	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT4_3 24104	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT4_4 24105	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.36 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.78 -9.33	19.74 0.76 -10.39	20.32 0.53 -13.82	22.28 0.55 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
ASTORIA_GT_1 23523	17.94 0.41 -12.59	14.56 0.43 -8.91	13.30 0.33 -8.97	12.31 0.37 -7.72	13.70 0.37 -8.80	16.64 0.37 -11.24	22.10 0.41 -15.58	26.85 0.52 -19.17	22.49 0.69 -13.72	18.93 0.80 -9.33	19.76 0.78 -10.39	20.33 0.54 -13.82	22.30 0.56 -15.77	23.55 0.56 -17.01	27.28 0.53 -20.90	27.86 0.46 -22.30	38.51 0.48 -32.93	44.93 0.55 -38.51	48.15 0.51 -41.99	40.38 1.22 -24.58	36.12 1.45 -16.97	28.71 0.95 -13.30	23.39 1.06 -8.20	20.76 0.70 -11.88

ASTORIA_GT_10 24110	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
ASTORIA_GT_11 24225	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
ASTORIA_GT_12 24226	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
ASTORIA_GT_13 24227	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
ASTORIA_GT_5 24106	17.94	14.56	13.30	12.31	13.70	16.64	22.10	26.85	22.49	18.93	19.76	20.33	22.30	23.55	27.28	27.86	38.51	44.93	48.15	40.38	36.12	28.71	23.39	20.76
	0.41	0.43	0.33	0.37	0.37	0.37	0.41	0.52	0.69	0.80	0.78	0.54	0.56	0.56	0.53	0.46	0.48	0.55	0.51	1.22	1.45	0.95	1.06	0.70
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.58	-19.17	-13.72	-9.33	-10.39	-13.82	-15.77	-17.01	-20.90	-22.30	-32.93	-38.51	-41.99	-24.58	-16.97	-13.30	-8.20	-11.88
ASTORIA_GT_7 24107	17.94	14.56	13.30	12.31	13.70	16.64	22.10	26.85	22.49	18.93	19.76	20.33	22.30	23.55	27.28	27.86	38.51	44.93	48.15	40.38	36.12	28.71	23.39	20.76
	0.41	0.43	0.33	0.37	0.37	0.37	0.41	0.52	0.69	0.80	0.78	0.54	0.56	0.56	0.53	0.46	0.48	0.55	0.51	1.22	1.45	0.95	1.06	0.70
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.58	-19.17	-13.72	-9.33	-10.39	-13.82	-15.77	-17.01	-20.90	-22.30	-32.93	-38.51	-41.99	-24.58	-16.97	-13.30	-8.20	-11.88
ASTORIA_GT_8 24108	17.94	14.56	13.30	12.31	13.70	16.64	22.10	26.85	22.49	18.93	19.76	20.33	22.30	23.55	27.28	27.86	38.51	44.93	48.15	40.38	36.12	28.71	23.39	20.76
	0.41	0.43	0.33	0.37	0.37	0.37	0.41	0.52	0.69	0.80	0.78	0.54	0.56	0.56	0.53	0.46	0.48	0.55	0.51	1.22	1.45	0.95	1.06	0.70
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.58	-19.17	-13.72	-9.33	-10.39	-13.82	-15.77	-17.01	-20.90	-22.30	-32.93	-38.51	-41.99	-24.58	-16.97	-13.30	-8.20	-11.88
ASTORIA___2 24149	17.93	14.55	13.30	12.30	13.69	16.63	22.09	26.83	22.47	18.91	19.74	20.32	22.28	23.54	27.26	27.85	38.49	44.91	48.14	40.33	36.08	28.69	23.37	20.75
	0.41	0.42	0.33	0.36	0.36	0.36	0.40	0.50	0.67	0.78	0.76	0.53	0.55	0.55	0.52	0.45	0.46	0.53	0.49	1.18	1.42	0.93	1.05	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.58	-19.17	-13.72	-9.33	-10.39	-13.82	-15.77	-17.01	-20.90	-22.30	-32.93	-38.51	-41.99	-24.58	-16.97	-13.30	-8.20	-11.88
ASTORIA___3 23516	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
ASTORIA___4 23517	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.55	27.30	27.88	38.51	44.93	50.04	40.40	36.16	28.77	23.45	20.76
	0.41	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.47	0.55	0.51	1.24	1.49	1.00	1.12	0.69
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.58	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.90	-22.31	-32.93	-38.51	-43.88	-24.59	-16.98	-13.31	-8.21	-11.88
ASTORIA___5 23518	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
AST_ENERGY_2_CC3 323677	17.91	14.50	13.26	12.26	13.66	16.65	22.13	26.86	22.49	18.92	19.74	20.32	22.27	23.53	27.27	27.86	38.49	44.91	48.13	40.33	36.07	28.75	23.45	20.72
	0.39	0.38	0.30	0.34	0.33	0.38	0.43	0.52	0.68	0.78	0.76	0.52	0.53	0.54	0.52	0.45	0.45	0.52	0.48	1.17	1.40	0.98	1.12	0.66
	-12.58	-8.90	-8.96	-7.71	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.93	-38.51	-42.00	-24.58	-16.98	-13.31	-8.21	-11.88
AST_ENERGY_2_CC4 323678	17.91	14.50	13.26	12.26	13.66	16.65	22.13	26.86	22.49	18.92	19.74	20.32	22.27	23.53	27.27	27.86	38.49	44.91	48.13	40.33	36.07	28.75	23.45	20.72
	0.39	0.38	0.30	0.34	0.33	0.38	0.43	0.52	0.68	0.78	0.76	0.52	0.53	0.54	0.52	0.45	0.45	0.52	0.48	1.17	1.40	0.98	1.12	0.66
	-12.58	-8.90	-8.96	-7.71	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.93	-38.51	-42.00	-24.58	-16.98	-13.31	-8.21	-11.88
ATHENS_STG_1 23668	18.89	15.15	13.96	12.82	14.33	17.52	23.39	28.40	23.43	19.39	20.32	21.35	23.36	24.65	28.54	29.26	40.40	47.01	50.45	42.08	37.03	29.63	23.72	21.57
	0.20	0.20	0.16	0.17	0.18	0.20	0.24	0.28	0.34	0.39	0.37	0.26	0.26	0.26	0.25	0.22	0.21	0.24	0.23	0.57	0.69	0.56	0.58	0.34
	-13.75	-9.73	-9.79	-8.43	-9.62	-12.28	-17.04	-20.96	-15.01	-10.20	-11.36	-15.12	-17.14	-18.42	-22.45	-23.94	-35.08	-40.89	-44.57	-26.94	-18.64	-14.61	-9.01	-13.04
ATHENS_STG_2 23670	18.89	15.15	13.96	12.82	14.33	17.52	23.39	28.40	23.43	19.39	20.32	21.35	23.36	24.65	28.54	29.26	40.40	47.01	50.45	42.08	37.03	29.63	23.72	21.57
	0.20	0.20	0.16	0.17	0.18	0.20	0.24	0.28	0.34	0.39	0.37	0.26	0.26	0.26	0.25	0.22	0.21	0.24	0.23	0.57	0.69	0.56	0.58	0.34
	-13.75	-9.73	-9.79	-8.43	-9.62	-12.28	-17.04	-20.96	-15.01	-10.20	-11.36	-15.12	-17.14	-18.42	-22.45	-23.94	-35.08	-40.89	-44.57	-26.94	-18.64	-14.61	-9.01	-13.04

ATHENS_STG_3 23677	18.89 0.20 -13.75	15.15 0.20 -9.73	13.96 0.16 -9.79	12.82 0.17 -8.43	14.33 0.18 -9.62	17.52 0.20 -12.28	23.39 0.24 -17.04	28.40 0.28 -20.96	23.43 0.34 -15.01	19.39 0.39 -10.20	20.32 0.37 -11.36	21.35 0.26 -15.12	23.36 0.26 -17.14	24.65 0.26 -18.42	28.54 0.25 -22.45	29.26 0.22 -23.94	40.40 0.21 -35.08	47.01 0.24 -40.89	50.45 0.23 -44.57	42.08 0.57 -26.94	37.03 0.69 -18.64	29.63 0.56 -14.61	23.72 0.58 -9.01	21.57 0.34 -13.04
AUBURN____LFGE 323710	6.76 0.09 -1.73	6.51 0.07 -1.22	5.29 0.05 -1.23	5.31 0.04 -1.06	5.79 0.05 -1.21	6.63 0.06 -1.54	8.37 0.12 -2.14	9.99 0.20 -2.63	10.11 0.15 -1.88	10.23 0.15 -1.28	10.20 0.18 -1.43	7.98 0.11 -1.90	8.21 0.10 -2.15	8.38 0.10 -2.31	8.75 0.10 -2.80	8.17 0.08 -2.99	9.56 0.08 -4.37	11.05 0.09 -5.09	11.27 0.07 -5.54	18.18 0.22 -3.39	20.34 0.30 -2.35	16.57 0.27 -1.84	15.39 0.13 -1.13	9.98 0.16 -1.64
BABYLON_RES_REC 323704	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.29 0.37 -7.71	13.71 0.38 -8.81	19.99 0.48 -14.48	26.04 0.59 -19.34	26.99 0.65 -19.18	25.66 0.81 -16.77	21.62 0.94 -11.87	25.64 0.92 -16.13	25.73 0.63 -19.12	26.04 0.64 -19.42	26.53 0.65 -19.91	27.33 0.57 -20.91	27.95 0.53 -22.32	38.49 0.44 -32.94	44.94 0.54 -38.52	48.19 0.53 -42.01	40.59 1.41 -24.59	40.54 1.87 -20.97	29.00 1.23 -13.31	26.72 1.41 -11.18	24.23 0.83 -15.21
BABYLON__69_KV_BK2 356345	18.05 0.53 -12.58	14.60 0.48 -8.90	13.33 0.37 -8.96	12.33 0.40 -7.71	13.74 0.41 -8.81	20.03 0.52 -14.48	26.09 0.64 -19.34	27.05 0.71 -19.18	25.72 0.87 -16.77	21.69 1.01 -11.87	25.72 1.00 -16.13	25.78 0.68 -19.12	26.10 0.70 -19.42	26.60 0.71 -19.91	27.40 0.63 -20.92	28.01 0.59 -22.33	38.52 0.49 -32.93	44.98 0.60 -38.50	48.23 0.59 -41.99	40.76 1.57 -24.60	48.04 2.11 -28.24	29.25 1.46 -13.32	26.86 1.55 -11.18	24.32 0.92 -15.21
BARON_WINDS____WT_PWR 323822	7.81 -0.01 -2.88	7.29 0.03 -2.04	6.08 0.02 -2.05	5.99 0.01 -1.77	6.56 0.02 -2.02	7.60 -0.01 -2.58	9.70 0.01 -3.57	11.54 -0.01 -4.40	11.19 -0.04 -3.15	10.90 -0.04 -2.14	10.93 -0.05 -2.39	9.09 -0.05 -3.17	9.48 -0.08 -3.59	9.76 -0.07 -3.86	10.46 -0.07 -4.68	10.02 -0.08 -4.99	12.34 -0.06 -7.29	14.29 -0.08 -8.49	14.80 -0.11 -9.26	19.86 -0.38 -5.66	21.22 -0.39 -3.92	17.33 -0.20 -3.07	15.81 -0.21 -1.89	10.99 0.07 -2.74
BARRETT_IC_1 23704	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_10 23701	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_11 23702	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_12 23703	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_2 23705	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_3 23706	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_4 23707	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_5 23708	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_6 23709	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_7 23710	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21

BARRETT_IC_8 23711	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT_IC_9 23700	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT___1 23545	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BARRETT___2 23546	17.98 0.46 -12.58	14.55 0.43 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	19.96 0.46 -14.48	25.99 0.54 -19.34	26.91 0.57 -19.18	25.61 0.75 -16.77	21.57 0.90 -11.87	25.53 0.81 -16.13	25.63 0.53 -19.12	25.91 0.53 -19.41	26.41 0.53 -19.90	27.22 0.47 -20.90	27.84 0.43 -22.31	38.39 0.35 -32.93	44.82 0.43 -38.52	48.07 0.42 -42.00	40.25 1.09 -24.58	36.10 1.43 -16.98	28.77 1.01 -13.30	26.47 1.17 -11.17	24.12 0.72 -15.21
BATAVIA___115KV_TB1 55881	6.97 0.03 -2.00	6.73 0.09 -1.42	5.48 0.05 -1.43	5.47 0.03 -1.23	5.98 0.05 -1.40	6.85 0.03 -1.79	8.65 0.07 -2.47	10.20 0.00 -3.04	10.22 -0.04 -2.17	10.20 -0.08 -1.48	10.20 -0.03 -1.65	8.09 -0.08 -2.19	8.35 -0.10 -2.48	8.53 -0.11 -2.66	8.97 -0.12 -3.24	8.43 -0.13 -3.46	10.06 -0.11 -5.06	11.63 -0.15 -5.90	11.89 -0.20 -6.43	17.85 -0.66 -3.93	19.48 -0.94 -2.72	16.02 -0.58 -2.13	14.92 -0.52 -1.31	10.16 0.07 -1.90
BAYONEEC___CTG1 323682	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG10 323750	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG2 323683	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG3 323684	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG4 323685	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG5 323686	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG6 323687	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG7 323688	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG8 323689	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BAYONEEC___CTG9 323749	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.94 0.80 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.54 0.55 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88

BEACON___LESR 323632	20.26 0.25 -15.07	16.14 0.26 -10.66	14.94 0.20 -10.73	13.66 0.21 -9.24	15.30 0.23 -10.55	18.75 0.26 -13.47	25.11 0.32 -18.67	30.50 0.37 -22.98	24.95 0.42 -16.45	20.47 0.48 -11.19	21.51 0.46 -12.46	22.87 0.32 -16.58	24.93 0.32 -18.65	26.24 0.31 -19.96	30.23 0.31 -24.07	31.03 0.27 -25.66	42.42 0.28 -37.04	49.20 0.32 -43.00	52.80 0.30 -46.85	44.83 0.77 -29.48	39.08 0.94 -20.45	31.27 0.78 -16.02	24.75 0.73 -9.88	22.91 0.42 -14.31
BEAVER RIVER___HYD 24048	4.53 -0.16 0.24	4.46 -0.18 0.58	3.72 -0.12 0.16	3.69 -0.12 0.41	3.92 -0.15 0.45	4.46 -0.15 0.42	5.36 -0.15 0.60	6.44 -0.19 0.53	6.84 -0.24 1.00	7.08 -0.33 1.39	6.95 -0.34 1.31	5.16 -0.25 0.56	5.37 -0.25 0.35	5.30 -0.25 0.43	5.52 -0.24 0.09	5.89 -0.19 -0.98	6.40 -0.14 -1.43	7.41 -0.13 -1.67	7.37 -0.10 -1.81	15.57 -0.12 -1.11	18.32 -0.14 -0.77	14.96 -0.10 -0.60	14.35 -0.16 -0.37	8.60 -0.12 -0.54
BEEBEE_GT_13 23619	6.64 0.05 -1.65	6.46 0.07 -1.17	5.22 0.04 -1.18	5.25 0.02 -1.01	5.73 0.05 -1.16	6.55 0.05 -1.48	8.21 0.06 -2.04	9.73 0.05 -2.52	9.91 0.02 -1.80	10.04 0.01 -1.22	10.02 0.06 -1.36	7.79 0.00 -1.81	8.01 -0.01 -2.05	8.17 -0.01 -2.20	8.51 -0.01 -2.68	7.93 -0.03 -2.86	9.27 -0.02 -4.18	10.70 -0.04 -4.87	10.87 -0.08 -5.30	17.53 -0.29 -3.24	19.58 -0.35 -2.24	16.06 -0.16 -1.76	15.00 -0.21 -1.08	9.86 0.10 -1.57
BENSHRST_27_KV_BENSHRST_1 355998	17.97 0.45 -12.59	14.56 0.43 -8.91	13.31 0.34 -8.97	12.31 0.38 -7.72	13.70 0.37 -8.80	16.67 0.40 -11.24	22.15 0.46 -15.58	26.91 0.57 -19.18	22.56 0.75 -13.73	18.98 0.85 -9.34	19.83 0.84 -10.40	20.39 0.59 -13.83	22.35 0.61 -15.77	23.61 0.62 -17.02	27.35 0.60 -20.90	27.93 0.52 -22.31	38.58 0.55 -32.93	45.01 0.63 -38.51	68.03 0.59 -61.79	40.59 1.43 -24.59	36.39 1.72 -16.98	28.90 1.13 -13.31	23.60 1.26 -8.21	20.84 0.77 -11.88
BETHLEHEM___GRP 23843	20.23 0.21 -15.09	16.11 0.22 -10.67	14.92 0.17 -10.74	13.63 0.17 -9.24	15.28 0.19 -10.56	18.72 0.21 -13.48	25.05 0.26 -18.68	30.47 0.30 -23.00	24.88 0.33 -16.47	20.39 0.39 -11.20	21.44 0.38 -12.47	22.82 0.26 -16.59	24.89 0.25 -18.67	26.20 0.24 -19.98	30.18 0.25 -24.09	30.99 0.21 -25.68	42.37 0.21 -37.05	49.14 0.25 -43.02	52.76 0.23 -46.88	44.69 0.60 -29.52	38.90 0.73 -20.48	31.11 0.61 -16.05	24.61 0.58 -9.89	22.86 0.34 -14.33
BETHLEHEM___GS1 323560	20.23 0.21 -15.09	16.11 0.22 -10.67	14.92 0.17 -10.74	13.64 0.17 -9.24	15.28 0.19 -10.56	18.72 0.21 -13.48	25.06 0.26 -18.69	30.46 0.30 -23.00	24.88 0.34 -16.46	20.39 0.39 -11.20	21.43 0.37 -12.47	22.82 0.26 -16.59	24.89 0.25 -18.68	26.21 0.25 -19.99	30.21 0.25 -24.12	31.02 0.21 -25.71	42.45 0.21 -37.13	49.24 0.25 -43.12	52.86 0.23 -46.98	44.68 0.60 -29.51	38.89 0.73 -20.47	31.11 0.61 -16.04	24.60 0.58 -9.89	22.85 0.34 -14.32
BETHLEHEM___GS2 323561	20.23 0.21 -15.09	16.11 0.22 -10.67	14.92 0.17 -10.74	13.64 0.17 -9.24	15.28 0.19 -10.56	18.72 0.21 -13.48	25.06 0.26 -18.69	30.46 0.30 -23.00	24.88 0.34 -16.46	20.39 0.39 -11.20	21.43 0.37 -12.47	22.82 0.26 -16.59	24.89 0.25 -18.68	26.21 0.25 -19.99	30.21 0.25 -24.12	31.02 0.21 -25.71	42.45 0.21 -37.13	49.24 0.25 -43.12	52.86 0.23 -46.98	44.68 0.60 -29.51	38.89 0.73 -20.47	31.11 0.61 -16.04	24.60 0.58 -9.89	22.85 0.34 -14.32
BETHLEHEM___GS3 323562	20.23 0.21 -15.09	16.11 0.22 -10.67	14.92 0.17 -10.74	13.64 0.17 -9.24	15.28 0.19 -10.56	18.72 0.21 -13.48	25.06 0.26 -18.69	30.46 0.30 -23.00	24.88 0.34 -16.46	20.39 0.39 -11.20	21.43 0.37 -12.47	22.82 0.26 -16.59	24.89 0.25 -18.68	26.21 0.25 -19.99	30.21 0.25 -24.12	31.02 0.21 -25.71	42.45 0.21 -37.13	49.24 0.25 -43.12	52.86 0.23 -46.98	44.68 0.60 -29.51	38.89 0.73 -20.47	31.11 0.61 -16.04	24.60 0.58 -9.89	22.85 0.34 -14.32
BETHLEHEM___STEEL 23779	7.15 0.01 -2.20	6.83 0.05 -1.55	5.60 0.03 -1.57	5.58 0.01 -1.35	6.09 0.02 -1.54	6.98 -0.02 -1.96	8.84 -0.01 -2.73	10.47 -0.06 -3.36	10.41 -0.08 -2.41	10.36 -0.08 -1.64	10.36 -0.06 -1.82	8.33 -0.07 -2.43	8.62 -0.09 -2.75	8.82 -0.10 -2.95	9.32 -0.11 -3.58	8.78 -0.12 -3.80	10.55 -0.11 -5.55	12.18 -0.16 -6.47	12.49 -0.21 -7.05	18.13 -0.76 -4.31	19.83 -0.85 -2.99	16.27 -0.54 -2.34	15.07 -0.51 -1.44	10.34 0.07 -2.09
BETHLHEM_115KV_TB1 79974	20.22 0.20 -15.08	16.10 0.21 -10.67	14.91 0.17 -10.74	13.63 0.17 -9.24	15.27 0.19 -10.55	18.71 0.21 -13.47	25.04 0.26 -18.67	30.33 0.27 -22.89	24.79 0.32 -16.39	20.30 0.35 -11.15	21.35 0.34 -12.41	22.72 0.23 -16.51	24.82 0.23 -18.62	26.16 0.23 -19.96	30.21 0.23 -24.14	31.03 0.19 -25.74	42.62 0.19 -37.32	49.48 0.22 -43.38	53.19 0.21 -47.33	44.56 0.55 -29.43	38.77 0.67 -20.40	31.01 0.56 -15.99	24.54 0.55 -9.86	22.79 0.33 -14.27
BETHPAGE_CC_5 323564	18.01 0.49 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	19.98 0.48 -14.48	26.02 0.57 -19.34	26.97 0.63 -19.18	25.65 0.80 -16.77	21.61 0.93 -11.87	25.62 0.89 -16.13	25.71 0.62 -19.12	26.02 0.63 -19.42	26.52 0.63 -19.91	27.32 0.57 -20.91	27.94 0.52 -22.32	38.47 0.42 -32.94	44.92 0.52 -38.52	48.16 0.50 -42.01	40.51 1.34 -24.59	38.52 1.75 -19.07	28.96 1.19 -13.31	26.69 1.39 -11.18	24.21 0.81 -15.21
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	7.16 0.00 -2.22	6.83 0.04 -1.57	5.61 0.02 -1.58	5.58 0.00 -1.36	6.09 0.01 -1.56	6.99 -0.03 -1.99	8.85 -0.02 -2.77	10.49 -0.07 -3.40	10.42 -0.10 -2.44	10.36 -0.10 -1.66	10.36 -0.08 -1.84	8.34 -0.09 -2.46	8.64 -0.11 -2.78	8.84 -0.11 -2.98	9.35 -0.12 -3.62	8.81 -0.14 -3.84	10.60 -0.12 -5.62	12.25 -0.17 -6.54	12.57 -0.22 -7.14	18.17 -0.77 -4.36	19.85 -0.87 -3.02	16.27 -0.56 -2.37	15.07 -0.52 -1.46	10.35 0.05 -2.11
BINGHAMTON___COGEN 23790	8.96 0.09 -3.93	8.11 0.10 -2.78	6.88 0.08 -2.80	6.70 0.08 -2.41	7.36 0.09 -2.75	8.63 0.09 -3.51	11.12 0.13 -4.87	13.30 0.14 -6.00	12.53 0.15 -4.29	11.88 0.16 -2.92	11.98 0.14 -3.25	10.38 0.08 -4.33	10.94 0.08 -4.89	11.31 0.08 -5.25	12.31 0.08 -6.38	11.98 0.07 -6.81	15.12 0.07 -9.95	17.53 0.07 -11.58	18.33 0.05 -12.62	22.41 0.12 -7.71	23.21 0.18 -5.34	18.82 0.17 -4.19	16.87 0.16 -2.58	12.12 0.20 -3.74
BIXINCNT_115KV_LOAD 355685	7.22 -0.05 -2.34	6.86 -0.02 -1.65	5.65 -0.02 -1.67	5.60 -0.05 -1.43	6.11 -0.05 -1.64	7.03 -0.09 -2.09	8.95 -0.07 -2.91	10.63 -0.11 -3.58	10.52 -0.12 -2.56	10.38 -0.17 -1.74	10.33 -0.20 -1.94	8.39 -0.16 -2.58	8.70 -0.19 -2.92	8.91 -0.20 -3.13	9.46 -0.20 -3.81	8.94 -0.21 -4.04	10.83 -0.19 -5.91	12.52 -0.24 -6.89	12.89 -0.27 -7.51	18.33 -0.83 -4.59	20.04 -0.83 -3.18	16.46 -0.49 -2.49	15.21 -0.45 -1.54	10.49 0.08 -2.22
BLACK RIVER___HYD 24047	5.05 -0.11 -0.22	4.97 -0.12 0.13	4.08 -0.09 -0.17	4.09 -0.08 0.05	4.38 -0.10 0.04	5.00 -0.09 -0.06	6.12 -0.06 -0.06	7.30 -0.09 -0.22	7.67 -0.15 0.27	7.87 -0.26 0.67	7.75 -0.26 0.59	5.81 -0.20 -0.04	6.00 -0.20 -0.24	5.99 -0.20 -0.22	6.22 -0.19 -0.56	6.30 -0.15 -1.35	6.97 -0.10 -1.97	8.07 -0.10 -2.29	8.07 -0.07 -2.50	16.09 -0.01 -1.53	18.75 0.00 -1.06	15.30 0.01 -0.83	14.59 -0.06 -0.51	8.87 -0.06 -0.74

BLACKRVR_115KV_TB2 79977	5.05 -0.10 -0.22	4.97 -0.12 0.13	4.08 -0.09 -0.17	4.09 -0.08 0.05	4.38 -0.10 0.04	5.00 -0.09 -0.06	6.12 -0.06 -0.06	7.30 -0.09 -0.22	7.66 -0.15 0.27	7.87 -0.26 0.68	7.74 -0.26 0.59	5.81 -0.20 -0.04	6.00 -0.20 -0.24	5.99 -0.20 -0.22	6.22 -0.19 -0.56	6.30 -0.15 -1.35	6.97 -0.10 -1.97	8.07 -0.10 -2.29	8.07 -0.07 -2.50	16.09 -0.01 -1.53	18.75 0.00 -1.06	15.26 -0.03 -0.83	14.59 -0.06 -0.51	8.88 -0.05 -0.74
BLISS_WT_PWR 323608	7.18 -0.09 -2.34	6.83 -0.05 -1.65	5.63 -0.04 -1.67	5.57 -0.08 -1.43	6.09 -0.07 -1.64	7.00 -0.12 -2.09	8.90 -0.11 -2.90	10.59 -0.14 -3.56	10.47 -0.16 -2.55	10.33 -0.21 -1.74	10.28 -0.25 -1.94	8.36 -0.20 -2.58	8.67 -0.22 -2.92	8.88 -0.23 -3.13	9.41 -0.24 -3.81	8.92 -0.24 -4.06	10.80 -0.22 -5.91	12.49 -0.28 -6.89	12.86 -0.29 -7.51	18.26 -0.90 -4.59	19.99 -0.88 -3.18	16.46 -0.49 -2.49	15.19 -0.48 -1.54	10.41 0.00 -2.22
BLUE_CIRC_CHEM_DRP 24182	19.98 0.20 -14.84	15.93 0.21 -10.50	14.74 0.17 -10.57	13.48 0.17 -9.09	15.10 0.19 -10.39	18.50 0.21 -13.26	24.74 0.26 -18.37	30.04 0.29 -22.60	24.57 0.32 -16.18	20.16 0.35 -11.00	21.19 0.34 -12.25	22.51 0.23 -16.30	24.58 0.23 -18.38	25.89 0.23 -19.69	29.88 0.22 -23.81	30.69 0.19 -25.39	42.11 0.19 -36.81	48.88 0.22 -42.78	52.52 0.21 -46.66	44.18 0.57 -29.04	38.50 0.67 -20.13	30.83 0.59 -15.77	24.41 0.55 -9.73	22.61 0.34 -14.08
BOC_GAS_DRP 24189	20.16 0.18 -15.04	16.05 0.19 -10.64	14.87 0.15 -10.71	13.59 0.15 -9.22	15.22 0.16 -10.53	18.65 0.18 -13.44	24.95 0.22 -18.61	30.31 0.25 -22.89	24.75 0.28 -16.39	20.28 0.33 -11.15	21.32 0.32 -12.41	22.70 0.22 -16.51	24.80 0.21 -18.62	26.14 0.22 -19.96	30.20 0.21 -24.14	31.02 0.18 -25.74	42.60 0.18 -37.32	49.46 0.21 -43.38	53.17 0.19 -47.33	44.50 0.50 -29.43	38.70 0.60 -20.40	30.95 0.51 -15.99	24.48 0.49 -9.86	22.76 0.29 -14.27
BOONVILLE_115KV_TB1 79983	5.21 -0.02 -0.29	5.29 -0.02 -0.09	4.21 -0.01 -0.21	4.33 0.00 -0.11	4.64 -0.01 -0.13	5.24 0.00 -0.21	6.42 0.04 -0.27	7.58 0.02 -0.39	8.23 0.02 -0.12	8.68 -0.03 0.10	8.49 -0.05 0.05	6.15 -0.05 -0.23	6.27 -0.05 -0.35	6.27 -0.05 -0.35	6.33 -0.05 -0.53	5.93 -0.03 -0.85	6.36 0.00 -1.25	7.34 0.01 -1.45	7.26 0.03 -1.58	15.72 0.17 -0.97	18.58 0.21 -0.67	15.13 0.14 -0.53	14.61 0.16 -0.32	8.75 0.09 -0.47
BORALEX_4TH_BRANCH 23824	20.25 0.20 -15.11	16.14 0.23 -10.69	14.94 0.18 -10.76	13.64 0.17 -9.26	15.31 0.21 -10.57	18.74 0.21 -13.50	25.09 0.26 -18.72	30.50 0.31 -23.03	24.88 0.31 -16.49	20.37 0.34 -11.22	21.41 0.33 -12.49	22.82 0.22 -16.62	24.74 0.20 -18.57	25.96 0.20 -19.79	29.67 0.20 -23.63	30.44 0.17 -25.17	41.06 0.17 -35.78	47.47 0.22 -41.37	50.91 0.21 -45.04	44.62 0.55 -29.49	38.87 0.67 -20.50	31.13 0.61 -16.07	24.62 0.58 -9.91	22.83 0.29 -14.34
BOWLINE___1 23526	17.60 0.35 -12.31	14.27 0.34 -8.71	13.03 0.26 -8.77	12.06 0.30 -7.54	13.43 0.29 -8.61	16.36 0.34 -11.00	21.77 0.41 -15.25	26.41 0.49 -18.76	22.12 0.61 -13.43	18.63 0.69 -9.14	19.43 0.66 -10.17	19.96 0.45 -13.53	21.87 0.47 -15.43	23.11 0.48 -16.65	26.76 0.47 -20.45	27.33 0.40 -21.82	37.59 0.40 -32.08	43.85 0.46 -37.52	46.99 0.43 -40.91	39.60 1.06 -23.96	35.53 1.29 -16.55	28.37 0.94 -12.97	23.13 1.00 -8.00	20.36 0.59 -11.58
BOWLINE___2 23595	17.60 0.35 -12.31	14.27 0.34 -8.71	13.04 0.26 -8.77	12.06 0.30 -7.55	13.44 0.29 -8.62	16.37 0.34 -11.00	21.78 0.41 -15.26	26.42 0.49 -18.77	22.13 0.61 -13.44	18.63 0.69 -9.14	19.43 0.66 -10.17	19.96 0.45 -13.54	21.88 0.47 -15.44	23.11 0.48 -16.65	26.77 0.47 -20.45	27.34 0.41 -21.83	37.59 0.40 -32.09	43.86 0.46 -37.52	47.00 0.43 -40.92	39.60 1.06 -23.96	35.54 1.29 -16.55	28.37 0.94 -12.97	23.13 1.00 -8.00	20.36 0.59 -11.58
BRADY___115KV_TB2 356060	1.95 -0.20 2.79	1.84 -0.20 3.17	1.87 -0.16 1.98	1.48 -0.16 2.58	1.49 -0.18 2.86	1.67 -0.18 3.18	1.58 -0.22 4.31	2.20 -0.26 4.70	2.29 -0.32 5.47	2.35 -0.36 6.09	2.28 -0.36 5.95	1.89 -0.24 3.84	2.09 -0.24 3.64	1.90 -0.24 3.83	2.34 -0.24 3.27	4.91 -0.19 0.00	4.91 -0.19 0.00	5.68 -0.20 0.00	5.49 -0.16 0.00	14.21 -0.36 0.00	17.20 -0.50 0.00	14.00 -0.46 0.00	13.68 -0.45 0.00	7.84 -0.35 0.00
BRANSCOMB___SOLAR 323811	20.68 0.18 -15.56	16.40 0.18 -11.01	15.22 0.14 -11.08	13.89 0.13 -9.53	15.57 0.16 -10.89	19.11 0.18 -13.90	25.63 0.24 -19.28	31.16 0.28 -23.72	25.34 0.28 -16.98	20.67 0.31 -11.56	21.77 0.30 -12.87	23.32 0.22 -17.13	25.44 0.22 -19.25	26.78 0.21 -20.59	30.86 0.21 -24.80	31.72 0.18 -26.44	43.39 0.19 -38.09	50.30 0.22 -44.20	54.02 0.22 -48.15	45.64 0.61 -30.45	39.57 0.74 -21.13	31.60 0.58 -16.56	24.86 0.52 -10.21	23.26 0.29 -14.78
BRENTWOD_69_KV_W. BRTWOOD 56703	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.00 0.49 -14.48	26.05 0.60 -19.34	26.99 0.65 -19.18	25.68 0.82 -16.77	21.63 0.96 -11.87	25.66 0.94 -16.13	25.73 0.63 -19.12	26.04 0.65 -19.42	26.54 0.66 -19.91	27.37 0.58 -20.94	27.99 0.54 -22.35	38.46 0.42 -32.93	44.91 0.53 -38.50	48.16 0.51 -41.99	40.59 1.38 -24.63	65.74 1.96 -46.08	29.12 1.32 -13.35	26.74 1.43 -11.18	24.26 0.86 -15.21
BRISTLHL_115KV_TB1 79998	6.06 -0.08 -1.20	6.00 -0.07 -0.85	4.80 -0.06 -0.86	4.89 -0.07 -0.74	5.31 -0.06 -0.84	6.02 -0.08 -1.08	7.54 -0.07 -1.49	8.91 -0.09 -1.84	9.29 -0.11 -1.31	9.57 -0.12 -0.89	9.45 -0.14 -1.00	7.19 -0.11 -1.32	7.35 -0.11 -1.50	7.48 -0.11 -1.61	7.70 -0.11 -1.95	7.09 -0.10 -2.08	8.06 -0.10 -3.05	9.31 -0.12 -3.55	9.39 -0.12 -3.87	16.63 -0.31 -2.36	18.98 -0.35 -1.64	15.48 -0.26 -1.28	14.65 -0.27 -0.79	9.24 -0.09 -1.14
BROOKHAVEN___DRP 24191	18.00 0.48 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	20.01 0.51 -14.48	26.07 0.62 -19.34	27.05 0.71 -19.18	25.69 0.84 -16.77	21.65 0.98 -11.87	25.72 1.00 -16.13	25.77 0.67 -19.12	26.08 0.69 -19.42	26.59 0.70 -19.91	27.39 0.63 -20.91	28.00 0.58 -22.32	38.52 0.48 -32.93	44.97 0.59 -38.50	48.22 0.58 -41.99	40.70 1.53 -24.60	44.95 2.05 -25.20	29.18 1.40 -13.31	26.79 1.48 -11.18	24.27 0.87 -15.21
BROOKLYN_NAVY_YARD 23515	17.91 0.40 -12.58	14.49 0.38 -8.90	13.25 0.29 -8.96	12.26 0.34 -7.71	13.65 0.32 -8.80	16.64 0.37 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.92 0.78 -9.34	19.73 0.75 -10.40	20.32 0.52 -13.83	22.27 0.53 -15.77	23.53 0.54 -17.02	27.28 0.53 -20.91	27.86 0.45 -22.31	38.50 0.45 -32.93	44.91 0.52 -38.51	48.14 0.49 -42.00	40.36 1.20 -24.58	36.11 1.43 -16.98	28.75 0.98 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
BROOKLYN___ARMY_DRP 323595	17.95 0.43 -12.59	14.54 0.42 -8.91	13.29 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.58	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.90	27.91 0.49 -22.31	38.55 0.52 -32.93	44.98 0.59 -38.51	67.99 0.55 -61.79	40.51 1.34 -24.59	36.29 1.61 -16.98	28.82 1.06 -13.31	23.52 1.19 -8.21	20.81 0.74 -11.88

BROOKVLE_69_KV_TB1 55790	17.98 0.46 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.70 0.37 -8.81	19.96 0.45 -14.48	26.00 0.55 -19.34	26.96 0.62 -19.18	25.63 0.78 -16.77	21.57 0.90 -11.87	25.61 0.88 -16.13	25.71 0.61 -19.12	26.02 0.63 -19.42	26.52 0.63 -19.91	27.35 0.59 -20.91	27.95 0.53 -22.31	38.49 0.45 -32.93	44.93 0.55 -38.50	48.17 0.52 -41.99	40.51 1.34 -24.59	36.36 1.68 -16.99	29.04 1.27 -13.31	26.65 1.34 -11.18	24.19 0.79 -15.21
BROOME_2_LFGE 323671	8.96 0.08 -3.93	8.10 0.10 -2.78	6.88 0.08 -2.80	6.70 0.08 -2.41	7.36 0.09 -2.75	8.63 0.09 -3.51	11.11 0.13 -4.87	13.30 0.14 -6.00	12.52 0.15 -4.29	11.88 0.16 -2.92	11.98 0.14 -3.25	10.38 0.08 -4.33	10.94 0.08 -4.89	11.31 0.08 -5.25	12.31 0.08 -6.38	11.98 0.07 -6.81	15.12 0.07 -9.95	17.53 0.07 -11.58	18.33 0.05 -12.62	22.41 0.12 -7.71	23.21 0.18 -5.34	18.84 0.19 -4.19	16.87 0.16 -2.58	12.10 0.17 -3.74
BROOME__LFGE 323600	8.96 0.08 -3.93	8.10 0.10 -2.78	6.88 0.08 -2.80	6.70 0.08 -2.41	7.36 0.09 -2.75	8.63 0.09 -3.51	11.11 0.13 -4.87	13.30 0.14 -6.00	12.52 0.15 -4.29	11.88 0.16 -2.92	11.98 0.14 -3.25	10.38 0.08 -4.33	10.94 0.08 -4.89	11.31 0.08 -5.25	12.31 0.08 -6.38	11.98 0.07 -6.81	15.12 0.07 -9.95	17.53 0.07 -11.58	18.33 0.05 -12.62	22.41 0.12 -7.71	23.21 0.18 -5.34	18.84 0.19 -4.19	16.87 0.16 -2.58	12.10 0.17 -3.74
BROWNFLS_115KV_TB_3_5 80003	3.55 -0.25 1.14	3.39 -0.27 1.57	3.02 -0.20 0.78	2.82 -0.20 1.20	2.97 -0.23 1.33	3.39 -0.24 1.40	3.86 -0.28 1.97	4.79 -0.34 2.04	5.05 -0.40 2.64	5.18 -0.48 3.14	5.06 -0.48 3.05	3.84 -0.34 1.80	4.13 -0.33 1.51	3.94 -0.33 1.70	4.27 -0.32 1.25	5.53 -0.27 -0.69	5.89 -0.23 -1.01	6.81 -0.24 -1.18	6.74 -0.20 -1.28	14.94 -0.42 -0.78	17.71 -0.53 -0.54	14.42 -0.46 -0.43	13.94 -0.45 -0.26	8.25 -0.32 -0.38
BROWNSV1_27_KV_LOAD 356125	17.94 0.42 -12.58	14.53 0.41 -8.90	13.29 0.32 -8.96	12.29 0.37 -7.71	13.68 0.35 -8.80	16.68 0.41 -11.24	22.19 0.49 -15.58	26.93 0.59 -19.17	22.57 0.76 -13.73	18.99 0.85 -9.34	19.82 0.83 -10.40	20.38 0.57 -13.83	22.33 0.59 -15.77	23.59 0.60 -17.02	27.33 0.58 -20.90	27.91 0.50 -22.31	38.54 0.51 -32.92	44.96 0.59 -38.50	48.18 0.55 -41.98	40.50 1.34 -24.59	36.29 1.61 -16.98	28.90 1.13 -13.31	23.58 1.24 -8.21	20.81 0.74 -11.88
BURROWS__LYONSDAL 23803	5.06 -0.06 -0.19	5.12 -0.06 0.04	4.11 -0.04 -0.14	4.19 -0.03 -0.01	4.49 -0.05 -0.02	5.08 -0.04 -0.08	6.20 -0.01 -0.10	7.34 -0.04 -0.21	7.94 -0.04 0.10	8.34 -0.11 0.35	8.17 -0.12 0.30	5.94 -0.11 -0.07	6.08 -0.10 -0.21	6.07 -0.10 -0.19	6.16 -0.10 -0.41	5.91 -0.07 -0.88	6.36 -0.04 -1.28	7.35 -0.02 -1.50	7.28 0.00 -1.63	15.69 0.12 -1.00	18.53 0.14 -0.69	15.09 0.09 -0.54	14.56 0.10 -0.33	8.71 0.04 -0.48
CAITHNESS_CC_1 323624	18.00 0.48 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.27 0.35 -7.71	13.68 0.35 -8.81	20.00 0.49 -14.48	26.06 0.61 -19.34	27.02 0.68 -19.18	25.68 0.82 -16.77	21.63 0.96 -11.87	25.68 0.96 -16.13	25.74 0.65 -19.12	26.06 0.67 -19.42	26.57 0.68 -19.91	27.36 0.60 -20.91	27.98 0.56 -22.32	38.51 0.46 -32.94	44.97 0.57 -38.52	48.21 0.55 -42.01	40.63 1.46 -24.59	44.85 1.96 -25.19	29.00 1.23 -13.31	26.75 1.44 -11.18	24.23 0.84 -15.21
CALPINE BETH_PAGE_GT4 24209	18.01 0.49 -12.58	14.57 0.45 -8.90	13.31 0.34 -8.96	12.30 0.38 -7.71	13.71 0.38 -8.81	19.98 0.48 -14.48	26.01 0.56 -19.34	26.96 0.62 -19.18	25.64 0.79 -16.77	21.60 0.92 -11.87	25.62 0.89 -16.13	25.71 0.61 -19.12	26.02 0.63 -19.42	26.51 0.63 -19.91	27.32 0.56 -20.91	27.93 0.52 -22.31	38.45 0.41 -32.93	44.89 0.51 -38.50	48.14 0.49 -41.99	40.47 1.30 -24.59	37.86 1.68 -18.48	28.99 1.21 -13.31	26.68 1.37 -11.18	24.21 0.81 -15.21
CALPINE_BETH_PAGE_GT_4 323586	18.01 0.49 -12.58	14.57 0.45 -8.90	13.31 0.34 -8.96	12.30 0.38 -7.71	13.71 0.38 -8.81	19.98 0.48 -14.48	26.01 0.56 -19.34	26.96 0.62 -19.18	25.65 0.79 -16.77	21.60 0.92 -11.87	25.62 0.89 -16.13	25.71 0.61 -19.12	26.02 0.63 -19.42	26.51 0.63 -19.91	27.32 0.56 -20.91	27.93 0.52 -22.31	38.46 0.41 -32.94	44.90 0.51 -38.52	48.15 0.49 -42.01	40.47 1.30 -24.59	37.86 1.68 -18.48	28.93 1.16 -13.31	26.68 1.37 -11.18	24.20 0.80 -15.21
CALPINE_BP_GT1 23823	18.01 0.49 -12.58	14.57 0.45 -8.90	13.31 0.34 -8.96	12.30 0.38 -7.71	13.71 0.38 -8.81	19.98 0.48 -14.48	26.01 0.56 -19.34	26.96 0.62 -19.18	25.65 0.79 -16.77	21.60 0.92 -11.87	25.62 0.89 -16.13	25.71 0.61 -19.12	26.02 0.63 -19.42	26.51 0.63 -19.91	27.32 0.56 -20.91	27.93 0.52 -22.31	38.46 0.41 -32.94	44.90 0.51 -38.52	48.15 0.49 -42.01	40.47 1.30 -24.59	37.86 1.68 -18.48	28.93 1.16 -13.31	26.68 1.37 -11.18	24.20 0.80 -15.21
CALSPAN__DRP 24200	7.15 0.01 -2.20	6.83 0.05 -1.55	5.60 0.03 -1.57	5.58 0.01 -1.35	6.09 0.02 -1.54	6.98 -0.02 -1.96	8.84 -0.01 -2.73	10.47 -0.06 -3.36	10.41 -0.08 -2.41	10.36 -0.08 -1.64	10.36 -0.06 -1.82	8.33 -0.07 -2.43	8.62 -0.09 -2.75	8.82 -0.10 -2.95	9.32 -0.11 -3.58	8.78 -0.12 -3.80	10.55 -0.11 -5.55	12.18 -0.16 -6.47	12.49 -0.21 -7.05	18.13 -0.76 -4.31	19.83 -0.85 -2.99	16.27 -0.54 -2.34	15.07 -0.51 -1.44	10.34 0.07 -2.09
CALVERTON__SOLAR 323806	18.01 0.49 -12.58	14.55 0.43 -8.90	13.29 0.33 -8.96	12.29 0.36 -7.71	13.69 0.36 -8.81	20.03 0.52 -14.48	26.10 0.65 -19.34	27.09 0.74 -19.18	25.73 0.87 -16.77	21.68 1.00 -11.87	25.75 1.03 -16.13	25.79 0.69 -19.12	26.11 0.72 -19.42	26.61 0.73 -19.91	27.42 0.66 -20.91	28.03 0.61 -22.32	38.56 0.51 -32.94	45.02 0.62 -38.52	48.27 0.61 -42.01	40.77 1.60 -24.59	45.05 2.16 -25.20	29.13 1.36 -13.31	26.85 1.54 -11.18	24.29 0.89 -15.21
CANDIGU_WT_PWR 323617	7.81 -0.01 -2.88	7.29 0.03 -2.04	6.08 0.02 -2.05	5.99 0.01 -1.77	6.56 0.02 -2.02	7.60 -0.01 -2.58	9.70 0.01 -3.57	11.54 -0.01 -4.40	11.19 -0.04 -3.15	10.90 -0.04 -2.14	10.93 -0.05 -2.39	9.09 -0.05 -3.17	9.48 -0.08 -3.59	9.76 -0.07 -3.86	10.46 -0.07 -4.68	10.02 -0.08 -4.99	12.34 -0.06 -7.29	14.29 -0.08 -8.49	14.80 -0.11 -9.26	19.86 -0.38 -5.66	21.22 -0.39 -3.92	17.33 -0.20 -3.07	15.81 -0.21 -1.89	10.99 0.07 -2.74
CARR STREET_E_SYR 24060	6.22 -0.02 -1.31	6.13 -0.01 -0.92	4.93 -0.01 -0.93	5.00 -0.02 -0.80	5.43 -0.01 -0.91	6.18 -0.02 -1.17	7.74 0.01 -1.62	9.15 0.00 -1.99	9.51 0.00 -1.42	9.76 -0.01 -0.97	9.65 -0.02 -1.08	7.38 -0.03 -1.44	7.56 -0.04 -1.62	7.69 -0.03 -1.74	7.94 -0.02 -2.12	7.33 -0.03 -2.26	8.38 -0.03 -3.30	9.68 -0.04 -3.85	9.79 -0.05 -4.19	17.01 -0.13 -2.56	19.33 -0.14 -1.77	15.78 -0.07 -1.39	14.87 -0.11 -0.86	9.42 -0.01 -1.24
CARTHAGE__PAPER 23857	4.83 -0.15 -0.04	4.75 -0.17 0.30	3.93 -0.12 -0.04	3.91 -0.11 0.19	4.18 -0.14 0.20	4.77 -0.13 0.13	5.80 -0.12 0.20	6.93 -0.16 0.07	7.30 -0.23 0.55	7.53 -0.33 0.95	7.40 -0.33 0.87	5.54 -0.25 0.19	5.73 -0.24 -0.01	5.70 -0.25 0.03	5.92 -0.23 -0.31	6.12 -0.18 -1.20	6.73 -0.13 -1.76	7.80 -0.13 -2.05	7.79 -0.09 -2.23	15.86 -0.09 -1.36	18.55 -0.09 -0.94	15.13 -0.07 -0.74	14.45 -0.14 -0.46	8.73 -0.11 -0.66

CASSADAGA_WT_PWR 323784	7.24 0.01 -2.30	6.91 0.06 -1.62	5.68 0.04 -1.64	5.64 0.01 -1.41	6.16 0.02 -1.61	7.06 -0.03 -2.05	8.96 0.01 -2.84	10.64 -0.02 -3.50	10.60 0.02 -2.50	10.53 0.02 -1.71	10.49 -0.01 -1.90	8.42 -0.08 -2.53	8.70 -0.13 -2.86	8.88 -0.17 -3.08	9.39 -0.19 -3.74	8.88 -0.20 -3.98	10.73 -0.18 -5.81	12.41 -0.22 -6.76	12.79 -0.23 -7.37	18.38 -0.70 -4.50	20.21 -0.60 -3.12	16.67 -0.23 -2.44	15.43 -0.21 -1.51	10.48 0.11 -2.18
CE_DUNWOOD___DRP 24194	17.86 0.36 -12.56	14.46 0.35 -8.89	13.22 0.27 -8.95	12.22 0.30 -7.70	13.62 0.30 -8.79	16.60 0.35 -11.23	22.10 0.42 -15.57	26.81 0.50 -19.15	22.41 0.62 -13.71	18.84 0.71 -9.32	19.67 0.70 -10.38	20.27 0.48 -13.81	22.21 0.49 -15.76	23.47 0.50 -17.00	27.21 0.49 -20.88	27.80 0.42 -22.28	38.39 0.42 -32.87	44.79 0.48 -38.43	48.02 0.45 -41.91	40.23 1.11 -24.55	35.99 1.34 -16.96	28.73 0.98 -13.29	23.37 1.05 -8.19	20.66 0.61 -11.86
CE_MILLWOOD___DRP 24193	17.82 0.35 -12.53	14.43 0.34 -8.87	13.20 0.27 -8.93	12.20 0.30 -7.68	13.59 0.29 -8.77	16.56 0.34 -11.20	22.05 0.41 -15.53	26.75 0.49 -19.10	22.36 0.61 -13.68	18.80 0.70 -9.30	19.62 0.67 -10.36	20.21 0.46 -13.78	22.16 0.48 -15.72	23.42 0.48 -16.96	27.15 0.47 -20.83	27.74 0.41 -22.23	38.28 0.41 -32.76	44.66 0.47 -38.31	47.87 0.44 -41.78	40.13 1.08 -24.47	35.91 1.31 -16.90	28.67 0.97 -13.24	23.32 1.02 -8.17	20.61 0.60 -11.83
CE_NYC2_DRP 24202	17.94 0.41 -12.59	14.53 0.41 -8.91	13.29 0.32 -8.97	12.29 0.36 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.14 0.44 -15.58	26.87 0.54 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.77 0.78 -10.40	20.35 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.30 0.55 -20.90	27.88 0.47 -22.31	38.52 0.48 -32.93	44.93 0.55 -38.51	50.05 0.52 -43.88	40.42 1.25 -24.59	36.18 1.50 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.77 0.70 -11.88
CE_NYC_DRP 24195	17.91 0.40 -12.58	14.50 0.39 -8.90	13.26 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.58	26.88 0.54 -19.17	22.50 0.70 -13.73	18.94 0.80 -9.34	19.76 0.77 -10.40	20.34 0.53 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.29 0.54 -20.90	27.87 0.46 -22.31	38.49 0.46 -32.92	44.91 0.53 -38.50	48.14 0.50 -41.98	40.37 1.21 -24.59	36.13 1.45 -16.98	28.80 1.03 -13.31	23.47 1.13 -8.21	20.75 0.68 -11.88
CHAFFEE___LFGE 323603	7.16 -0.04 -2.27	6.84 0.02 -1.60	5.63 0.01 -1.61	5.59 -0.01 -1.39	6.11 0.00 -1.59	7.01 -0.05 -2.02	8.88 -0.04 -2.80	10.53 -0.09 -3.45	10.43 -0.12 -2.47	10.37 -0.12 -1.69	10.37 -0.10 -1.88	8.37 -0.11 -2.50	8.67 -0.13 -2.83	8.88 -0.13 -3.04	9.40 -0.13 -3.69	8.88 -0.15 -3.93	10.70 -0.13 -5.73	12.36 -0.19 -6.67	12.68 -0.24 -7.27	18.20 -0.82 -4.44	19.87 -0.90 -3.08	16.34 -0.53 -2.41	15.07 -0.55 -1.49	10.31 -0.03 -2.15
CHATEAUG_35_KV_LOAD 355732	-0.06 -0.36 4.65	1.40 -0.40 3.42	-0.06 -0.31 3.75	-0.06 -0.32 3.95	-0.06 -0.35 4.24	-0.56 -0.38 5.21	0.14 -0.46 5.51	-0.11 -0.52 6.75	-0.55 -0.63 8.01	-0.54 -0.70 8.65	-0.14 -0.64 8.10	1.41 -0.43 4.14	-0.57 -0.42 6.11	1.45 -0.39 4.13	2.02 -0.30 3.52	4.90 -0.20 0.00	4.96 -0.15 0.00	5.78 -0.10 0.00	5.61 -0.05 0.00	14.49 -0.09 0.00	17.50 -0.19 0.00	14.22 -0.25 0.00	13.81 -0.33 0.00	7.89 -0.30 0.00
CHATEAUG_WT_PWR 323614	-0.03 -0.36 4.61	1.33 -0.41 3.49	-0.01 -0.32 3.70	-0.05 -0.33 3.94	-0.06 -0.36 4.23	-0.53 -0.39 5.17	0.09 -0.48 5.55	-0.11 -0.52 6.75	-0.53 -0.64 7.97	-0.53 -0.70 8.63	-0.15 -0.64 8.10	1.32 -0.44 4.21	-0.53 -0.44 6.06	1.35 -0.41 4.21	1.94 -0.32 3.59	4.89 -0.21 0.00	4.95 -0.15 0.00	5.78 -0.10 0.00	5.61 -0.05 0.00	14.49 -0.09 0.00	17.50 -0.19 0.00	14.16 -0.30 0.00	13.82 -0.31 0.00	7.92 -0.27 0.00
CHAT_HIGH_FALL_HYD 323578	-0.06 -0.36 4.65	1.40 -0.40 3.42	-0.06 -0.31 3.75	-0.06 -0.32 3.95	-0.06 -0.35 4.24	-0.56 -0.38 5.21	0.14 -0.46 5.51	-0.11 -0.52 6.75	-0.52 -0.62 7.98	-0.52 -0.70 8.62	-0.12 -0.64 8.07	1.42 -0.43 4.13	-0.57 -0.42 6.11	1.45 -0.39 4.13	2.02 -0.30 3.52	4.90 -0.20 0.00	4.96 -0.15 0.00	5.78 -0.10 0.00	5.61 -0.05 0.00	14.49 -0.09 0.00	17.50 -0.19 0.00	14.16 -0.30 0.00	13.81 -0.32 0.00	7.91 -0.28 0.00
CHAUTAUQUA___LFGE 323629	7.18 0.00 -2.23	6.86 0.06 -1.58	5.63 0.04 -1.59	5.60 0.02 -1.37	6.12 0.03 -1.56	7.01 -0.02 -1.99	8.88 0.00 -2.76	10.53 -0.03 -3.40	10.47 -0.05 -2.43	10.43 -0.04 -1.66	10.42 -0.02 -1.85	8.38 -0.06 -2.46	8.66 -0.09 -2.78	8.86 -0.11 -2.99	9.36 -0.12 -3.63	8.83 -0.14 -3.87	10.63 -0.12 -5.64	12.28 -0.17 -6.57	12.61 -0.21 -7.17	18.24 -0.71 -4.38	20.00 -0.73 -3.03	16.46 -0.38 -2.38	15.20 -0.40 -1.47	10.35 0.04 -2.12
CHERRYST_13_KV_LD 356241	17.92 0.40 -12.58	14.52 0.40 -8.90	13.27 0.31 -8.96	12.28 0.35 -7.71	13.67 0.34 -8.80	16.66 0.39 -11.24	22.16 0.46 -15.58	26.90 0.57 -19.17	22.54 0.73 -13.73	18.97 0.83 -9.34	19.79 0.80 -10.40	20.36 0.56 -13.83	22.31 0.57 -15.77	23.57 0.57 -17.02	27.31 0.56 -20.90	27.89 0.48 -22.31	38.51 0.49 -32.92	44.93 0.56 -38.50	48.16 0.52 -41.98	40.42 1.25 -24.59	36.18 1.50 -16.98	28.82 1.06 -13.31	23.51 1.17 -8.21	20.77 0.70 -11.88
CHESTROR_138KV_BK263 355645	16.81 0.31 -11.56	13.71 0.31 -8.18	12.48 0.24 -8.24	11.57 0.27 -7.09	12.89 0.27 -8.09	15.66 0.30 -10.33	20.82 0.38 -14.33	25.24 0.45 -17.63	21.24 0.54 -12.62	17.97 0.58 -8.58	18.72 0.57 -9.56	19.08 0.39 -12.72	20.86 0.39 -14.50	22.01 0.40 -15.64	25.45 0.40 -19.20	25.94 0.35 -20.48	35.98 0.35 -30.52	41.96 0.40 -35.69	44.95 0.38 -38.92	38.36 0.95 -22.84	34.64 1.17 -15.78	27.71 0.88 -12.36	22.67 0.92 -7.62	19.77 0.54 -11.04
CH_MIDHUDSON___DRP 24192	17.91 0.32 -12.65	14.50 0.32 -8.95	13.27 0.25 -9.01	12.25 0.27 -7.75	13.66 0.28 -8.86	16.65 0.31 -11.31	22.17 0.39 -15.68	26.90 0.45 -19.29	22.44 0.55 -13.81	18.80 0.61 -9.39	19.64 0.59 -10.46	20.29 0.41 -13.91	22.21 0.41 -15.83	23.46 0.42 -17.06	27.16 0.42 -20.90	27.76 0.36 -22.30	38.41 0.36 -32.94	44.77 0.41 -38.48	48.01 0.39 -41.96	40.40 0.98 -24.84	36.09 1.22 -17.17	28.83 0.91 -13.46	23.38 0.95 -8.30	20.77 0.56 -12.01
CH_MISC_IPPS 23765	17.74 0.36 -12.45	14.38 0.36 -8.81	13.15 0.28 -8.87	12.15 0.30 -7.63	13.54 0.30 -8.71	16.49 0.34 -11.12	21.96 0.43 -15.42	26.64 0.50 -18.98	22.27 0.61 -13.58	18.70 0.66 -9.24	19.51 0.63 -10.29	20.10 0.44 -13.69	22.00 0.45 -15.59	23.23 0.45 -16.80	26.90 0.45 -20.60	27.48 0.40 -21.98	38.05 0.40 -32.55	44.35 0.44 -38.03	47.55 0.42 -41.47	40.14 1.09 -24.47	35.96 1.36 -16.91	28.74 1.03 -13.25	23.36 1.06 -8.17	20.64 0.62 -11.83
CH_RES_BVR_FALLS 23983	-1.42 -0.22 6.13	-1.65 -0.23 6.64	-0.62 -0.18 4.44	-1.60 -0.19 5.62	-1.88 -0.21 6.19	-2.19 -0.23 6.99	-3.35 -0.29 9.18	-3.31 -0.33 10.14	-4.08 -0.36 11.80	-4.68 -0.40 13.09	-4.51 -0.38 12.72	-2.30 -0.26 8.01	-2.31 -0.27 8.01	-2.31 -0.27 8.01	-1.24 -0.26 6.83	4.89 -0.21 0.00	4.91 -0.19 0.00	5.69 -0.18 0.00	5.52 -0.14 0.00	14.24 -0.33 0.00	17.25 -0.44 0.00	14.07 -0.39 0.00	13.78 -0.35 0.00	7.98 -0.21 0.00

CH_RES_NIAGARA 23895	6.87 -0.11 -2.04	6.61 -0.05 -1.44	5.41 -0.05 -1.45	5.39 -0.07 -1.25	5.89 -0.07 -1.43	6.73 -0.12 -1.82	8.46 -0.13 -2.48	9.99 -0.23 -3.06	9.98 -0.29 -2.18	9.98 -0.30 -1.48	9.98 -0.26 -1.65	7.96 -0.21 -2.20	8.24 -0.22 -2.49	8.42 -0.23 -2.67	8.87 -0.23 -3.25	8.34 -0.23 -3.47	9.99 -0.21 -5.09	11.51 -0.29 -5.93	11.80 -0.36 -6.50	17.35 -1.21 -3.98	18.98 -1.49 -2.77	15.68 -0.95 -2.17	14.55 -0.92 -1.34	9.92 -0.21 -1.94
CH_RES_SYRACUSE 23985	6.38 0.00 -1.44	6.25 0.02 -1.02	5.04 0.01 -1.03	5.10 0.00 -0.88	5.55 0.01 -1.01	6.32 0.01 -1.29	7.93 0.03 -1.79	9.39 0.04 -2.20	9.69 0.03 -1.57	9.90 0.03 -1.07	9.80 0.02 -1.19	7.55 -0.01 -1.58	7.75 -0.01 -1.79	7.89 -0.01 -1.92	8.18 -0.01 -2.34	7.59 -0.01 -2.49	8.74 -0.01 -3.65	10.10 -0.02 -4.25	10.25 -0.03 -4.63	17.35 -0.06 -2.83	19.60 -0.05 -1.96	16.01 0.01 -1.53	15.05 -0.03 -0.95	9.59 0.03 -1.37
CLINTON_WT_PWR 323605	-0.03 -0.36 4.61	1.33 -0.41 3.49	-0.01 -0.32 3.70	-0.05 -0.33 3.94	-0.06 -0.36 4.23	-0.53 -0.39 5.17	0.09 -0.48 5.55	-0.11 -0.52 6.75	-0.53 -0.64 7.97	-0.53 -0.70 8.63	-0.15 -0.64 8.10	1.32 -0.44 4.21	-0.53 -0.44 6.06	1.35 -0.41 4.21	1.94 -0.32 3.59	4.89 -0.21 0.00	4.95 -0.15 0.00	5.78 -0.10 0.00	5.61 -0.05 0.00	14.49 -0.09 0.00	17.50 -0.19 0.00	14.16 -0.30 0.00	13.82 -0.31 0.00	7.92 -0.27 0.00
CLINTON___LFGE 323618	0.01 -0.31 4.62	1.39 -0.37 3.47	0.01 -0.28 3.71	0.00 -0.27 3.94	0.00 -0.29 4.23	-0.46 -0.31 5.18	0.17 -0.40 5.54	0.00 -0.41 6.75	-0.40 -0.50 7.98	-0.37 -0.55 8.63	0.00 -0.50 8.09	1.44 -0.35 4.19	-0.45 -0.35 6.07	1.43 -0.36 4.19	2.01 -0.26 3.57	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.67 0.09 0.00	17.69 0.00 0.00	14.29 -0.17 0.00	13.95 -0.18 0.00	7.98 -0.21 0.00
COBBLENY_34_KV_TB1 80064	7.18 -0.02 -2.27	6.85 0.03 -1.60	5.63 0.01 -1.61	5.59 -0.01 -1.39	6.11 0.00 -1.59	7.01 -0.05 -2.02	8.89 -0.04 -2.82	10.54 -0.09 -3.47	10.45 -0.11 -2.48	10.37 -0.12 -1.69	10.36 -0.11 -1.88	8.37 -0.11 -2.50	8.67 -0.13 -2.83	8.88 -0.13 -3.04	9.40 -0.13 -3.69	8.87 -0.15 -3.92	10.70 -0.14 -5.73	12.36 -0.19 -6.67	12.68 -0.24 -7.27	18.20 -0.82 -4.44	19.87 -0.90 -3.08	16.30 -0.58 -2.41	15.08 -0.54 -1.49	10.38 0.04 -2.15
COFFEEN___115KV_TB3 355620	5.10 -0.08 -0.25	5.03 -0.09 0.10	4.12 -0.07 -0.19	4.13 -0.06 0.02	4.43 -0.09 0.01	5.06 -0.06 -0.09	6.21 -0.01 -0.11	7.38 -0.05 -0.27	7.75 -0.11 0.22	7.96 -0.22 0.63	7.83 -0.22 0.54	5.87 -0.19 -0.08	6.06 -0.19 -0.28	6.05 -0.19 -0.27	6.29 -0.17 -0.61	6.34 -0.13 -1.37	7.02 -0.09 -2.00	8.13 -0.08 -2.33	8.15 -0.05 -2.54	16.20 0.07 -1.55	18.89 0.12 -1.08	15.35 0.04 -0.84	14.67 0.01 -0.52	8.94 0.00 -0.75
COLDSPRG_115KV_BK1 355956	7.42 0.10 -2.38	7.05 0.15 -1.68	5.80 0.10 -1.70	5.75 0.08 -1.46	6.29 0.10 -1.67	7.22 0.07 -2.13	9.20 0.13 -2.96	10.93 0.13 -3.64	10.85 0.16 -2.60	10.75 0.18 -1.77	10.72 0.15 -1.97	8.65 0.05 -2.62	8.95 0.01 -2.97	9.16 -0.01 -3.19	9.70 -0.02 -3.87	9.15 -0.07 -4.12	11.07 -0.05 -6.02	12.80 -0.08 -7.01	13.18 -0.11 -7.64	18.88 -0.36 -4.67	20.70 -0.23 -3.23	16.94 -0.06 -2.53	15.67 -0.03 -1.56	10.72 0.27 -2.26
COLONIE_LFGE___ 323577	20.46 0.19 -15.33	16.27 0.20 -10.85	15.08 0.16 -10.92	13.77 0.15 -9.40	15.43 0.18 -10.73	18.92 0.19 -13.70	25.35 0.24 -19.00	30.82 0.28 -23.38	25.12 0.31 -16.73	20.54 0.34 -11.39	21.60 0.33 -12.68	23.07 0.23 -16.87	25.13 0.22 -18.94	26.44 0.21 -20.25	30.40 0.21 -24.35	31.23 0.18 -25.95	42.58 0.19 -37.29	49.34 0.22 -43.24	52.97 0.21 -47.10	45.12 0.55 -29.98	39.18 0.67 -20.82	31.34 0.56 -16.31	24.73 0.54 -10.06	23.05 0.29 -14.56
COOPERNY_115KV_TB1 80082	13.53 0.20 -8.39	11.35 0.20 -5.94	10.13 0.15 -5.98	9.53 0.17 -5.14	10.57 0.17 -5.87	12.72 0.19 -7.50	16.75 0.24 -10.40	20.23 0.28 -12.79	17.58 0.34 -9.16	15.41 0.38 -6.23	15.89 0.36 -6.93	15.45 0.24 -9.23	16.72 0.25 -10.50	17.54 0.26 -11.31	19.94 0.25 -13.85	20.09 0.21 -14.77	27.24 0.22 -21.91	31.72 0.25 -25.59	33.80 0.24 -27.91	31.72 0.60 -16.54	29.87 0.74 -11.44	23.99 0.56 -8.96	20.24 0.58 -5.53	16.55 0.36 -8.00
COPENHAGEN_WT_PWR 323753	5.14 -0.10 -0.31	5.06 -0.11 0.04	4.15 -0.08 -0.23	4.16 -0.08 -0.02	4.46 -0.10 -0.04	5.09 -0.09 -0.15	6.25 -0.06 -0.19	7.44 -0.09 -0.36	7.81 -0.15 0.13	8.03 -0.24 0.54	7.90 -0.24 0.45	5.93 -0.19 -0.15	6.13 -0.19 -0.35	6.13 -0.19 -0.34	6.35 -0.18 -0.69	6.37 -0.14 -1.42	7.07 -0.10 -2.07	8.18 -0.11 -2.41	8.20 -0.08 -2.63	16.14 -0.04 -1.60	18.77 -0.04 -1.11	15.32 -0.01 -0.87	14.58 -0.08 -0.54	8.90 -0.07 -0.78
CORNELL_____ 23752	7.87 0.13 -2.80	7.36 0.16 -1.98	6.12 0.12 -1.99	6.05 0.12 -1.72	6.62 0.14 -1.96	7.68 0.15 -2.50	9.81 0.23 -3.47	11.68 0.24 -4.27	11.38 0.24 -3.06	11.11 0.23 -2.08	11.09 0.18 -2.32	9.16 0.11 -3.08	9.55 0.10 -3.49	9.82 0.11 -3.74	10.50 0.11 -4.55	10.04 0.09 -4.85	12.29 0.10 -7.09	14.25 0.12 -8.25	14.76 0.12 -8.99	20.44 0.36 -5.50	21.98 0.48 -3.81	17.85 0.40 -2.98	16.34 0.37 -1.84	11.14 0.29 -2.66
CORONA_AV_69_KV_TB1 355595	17.99 0.47 -12.58	14.57 0.45 -8.90	13.31 0.34 -8.96	12.30 0.38 -7.71	13.71 0.38 -8.81	19.97 0.47 -14.48	26.01 0.56 -19.34	26.95 0.61 -19.18	25.64 0.79 -16.77	21.60 0.92 -11.87	25.59 0.87 -16.13	25.70 0.60 -19.12	25.99 0.60 -19.42	26.49 0.61 -19.91	27.31 0.56 -20.91	27.92 0.51 -22.31	38.44 0.41 -32.93	44.88 0.50 -38.50	48.13 0.49 -41.99	40.44 1.27 -24.59	36.31 1.63 -16.99	29.03 1.26 -13.31	26.66 1.36 -11.18	24.21 0.81 -15.21
CORTLAND_115KV_TB3 80093	7.33 0.08 -2.32	6.95 0.09 -1.64	5.73 0.07 -1.65	5.71 0.07 -1.42	6.23 0.09 -1.62	7.18 0.09 -2.07	9.13 0.15 -2.87	10.85 0.16 -3.53	10.77 0.16 -2.53	10.68 0.16 -1.72	10.64 0.13 -1.91	8.59 0.07 -2.55	8.92 0.07 -2.88	9.13 0.07 -3.09	9.68 0.07 -3.76	9.17 0.06 -4.01	11.03 0.06 -5.86	12.77 0.07 -6.83	13.15 0.06 -7.44	19.31 0.19 -4.55	21.11 0.27 -3.15	17.16 0.23 -2.47	15.86 0.21 -1.52	10.58 0.19 -2.20
COXSACKIE___GT 23611	19.48 0.30 -14.25	15.60 0.30 -10.08	14.39 0.24 -10.15	13.18 0.24 -8.73	14.77 0.27 -9.97	18.06 0.30 -12.73	24.17 0.41 -17.65	29.37 0.49 -21.72	24.10 0.47 -15.55	19.79 0.42 -10.57	20.78 0.42 -11.77	21.92 0.29 -15.66	23.92 0.28 -17.68	25.20 0.27 -18.95	29.10 0.29 -22.96	29.85 0.26 -24.49	40.97 0.26 -35.61	47.58 0.29 -41.42	51.08 0.30 -45.13	43.40 0.93 -27.88	38.19 1.17 -19.32	30.56 0.95 -15.14	24.32 0.85 -9.34	22.20 0.49 -13.52
CPV_VALLEY___CC1 323721	16.90 0.31 -11.66	13.77 0.30 -8.25	12.54 0.24 -8.30	11.62 0.26 -7.15	12.94 0.26 -8.16	15.74 0.30 -10.42	20.93 0.37 -14.45	25.37 0.43 -17.77	21.34 0.53 -12.72	18.06 0.60 -8.65	18.80 0.58 -9.64	19.19 0.39 -12.82	20.99 0.41 -14.61	22.15 0.41 -15.77	25.60 0.40 -19.35	26.10 0.35 -20.65	36.27 0.36 -30.80	42.29 0.41 -36.01	45.31 0.39 -39.26	38.59 0.96 -23.05	34.81 1.19 -15.93	27.81 0.87 -12.48	22.74 0.92 -7.70	19.87 0.54 -11.14

CPV_VALLEY___CC2 323722	16.90 0.31 -11.66	13.77 0.30 -8.25	12.54 0.24 -8.30	11.62 0.26 -7.15	12.94 0.26 -8.16	15.74 0.30 -10.42	20.93 0.37 -14.45	25.37 0.43 -17.77	21.34 0.53 -12.72	18.06 0.60 -8.65	18.80 0.58 -9.64	19.19 0.39 -12.82	20.99 0.41 -14.61	22.15 0.41 -15.77	25.60 0.40 -19.35	26.10 0.35 -20.65	36.27 0.36 -30.80	42.29 0.41 -36.01	45.31 0.39 -39.26	38.59 0.96 -23.05	34.81 1.19 -15.93	27.81 0.87 -12.48	22.74 0.92 -7.70	19.87 0.54 -11.14
CRESCENT___HYD 24018	20.46 0.19 -15.33	16.27 0.20 -10.85	15.08 0.16 -10.92	13.77 0.15 -9.40	15.43 0.18 -10.73	18.92 0.19 -13.70	25.35 0.24 -19.00	30.82 0.28 -23.38	25.12 0.31 -16.73	20.54 0.34 -11.39	21.60 0.33 -12.68	23.07 0.23 -16.87	25.13 0.22 -18.94	26.44 0.21 -20.25	30.40 0.21 -24.35	31.23 0.18 -25.95	42.58 0.19 -37.29	49.34 0.22 -43.24	52.97 0.21 -47.10	45.12 0.55 -29.98	39.18 0.67 -20.82	31.34 0.56 -16.31	24.73 0.54 -10.06	23.05 0.29 -14.56
CRICKET___VALLEY_CC1 323756	18.30 0.26 -13.11	14.76 0.27 -9.27	13.55 0.21 -9.33	12.47 0.22 -8.03	13.93 0.23 -9.17	16.99 0.26 -11.71	22.66 0.31 -16.24	27.48 0.34 -19.98	22.82 0.44 -14.30	19.02 0.49 -9.73	19.91 0.49 -10.83	20.71 0.33 -14.41	20.89 0.33 -14.59	20.87 0.34 -14.56	20.86 0.33 -14.69	20.85 0.29 -15.46	20.95 0.29 -15.56	22.17 0.33 -15.96	23.02 0.30 -17.07	40.12 0.76 -24.78	36.37 0.92 -17.76	29.08 0.71 -13.91	23.46 0.75 -8.58	21.04 0.43 -12.42
CRICKET___VALLEY_CC2 323757	18.30 0.26 -13.11	14.76 0.27 -9.27	13.55 0.21 -9.33	12.47 0.22 -8.03	13.93 0.23 -9.17	16.99 0.26 -11.71	22.66 0.31 -16.24	27.48 0.34 -19.98	22.82 0.44 -14.30	19.02 0.49 -9.73	19.91 0.49 -10.83	20.71 0.33 -14.41	20.89 0.33 -14.59	20.87 0.34 -14.56	20.86 0.33 -14.69	20.85 0.29 -15.46	20.95 0.29 -15.56	22.17 0.33 -15.96	23.02 0.30 -17.07	40.12 0.76 -24.78	36.37 0.92 -17.76	29.08 0.71 -13.91	23.46 0.75 -8.58	21.04 0.43 -12.42
CRICKET___VALLEY_CC3 323758	18.30 0.26 -13.11	14.76 0.27 -9.27	13.55 0.21 -9.33	12.47 0.22 -8.03	13.93 0.23 -9.17	16.99 0.26 -11.71	22.66 0.31 -16.24	27.48 0.34 -19.98	22.82 0.44 -14.30	19.02 0.49 -9.73	19.91 0.49 -10.83	20.71 0.33 -14.41	20.89 0.33 -14.59	20.87 0.34 -14.56	20.86 0.33 -14.69	20.85 0.29 -15.46	20.95 0.29 -15.56	22.17 0.33 -15.96	23.02 0.30 -17.07	40.12 0.76 -24.78	36.37 0.92 -17.76	29.08 0.71 -13.91	23.46 0.75 -8.58	21.04 0.43 -12.42
CRUCIBLE_METL_DRP 24180	6.38 0.00 -1.44	6.25 0.02 -1.02	5.04 0.01 -1.03	5.10 0.00 -0.88	5.55 0.01 -1.01	6.32 0.01 -1.29	7.93 0.03 -1.79	9.39 0.04 -2.20	9.69 0.03 -1.57	9.90 0.03 -1.07	9.80 0.02 -1.19	7.55 -0.01 -1.58	7.75 -0.01 -1.79	7.89 -0.01 -1.92	8.18 -0.01 -2.34	7.59 -0.01 -2.49	8.74 -0.01 -3.65	10.10 -0.02 -4.25	10.25 -0.03 -4.63	17.35 -0.06 -2.83	19.60 -0.05 -1.96	15.98 -0.01 -1.53	15.05 -0.03 -0.95	9.61 0.05 -1.37
DAHOWA___HYDRO 323763	20.70 0.17 -15.60	16.42 0.16 -11.03	15.24 0.12 -11.11	13.90 0.12 -9.56	15.59 0.15 -10.92	19.14 0.17 -13.93	25.68 0.24 -19.32	31.21 0.27 -23.78	25.37 0.27 -17.02	20.69 0.30 -11.59	21.79 0.29 -12.91	23.37 0.22 -17.17	25.50 0.22 -19.31	26.85 0.21 -20.66	30.94 0.20 -24.89	31.81 0.18 -26.53	43.54 0.19 -38.24	50.49 0.23 -44.38	54.22 0.22 -48.35	45.74 0.63 -30.53	39.62 0.74 -21.19	31.63 0.56 -16.60	24.86 0.49 -10.24	23.28 0.27 -14.82
DANC___LFGE 323619	5.46 -0.09 -0.61	5.39 -0.09 -0.26	4.38 -0.07 -0.44	4.41 -0.07 -0.26	4.75 -0.09 -0.31	5.41 -0.08 -0.46	6.69 -0.06 -0.63	7.95 -0.08 -0.87	8.31 -0.13 -0.36	8.55 -0.19 0.06	8.43 -0.20 -0.03	6.37 -0.16 -0.55	6.55 -0.16 -0.74	6.59 -0.16 -0.77	6.82 -0.15 -1.12	6.64 -0.12 -1.66	7.44 -0.10 -2.43	8.59 -0.11 -2.83	8.64 -0.10 -3.08	16.31 -0.15 -1.88	18.84 -0.16 -1.30	15.37 -0.12 -1.02	14.62 -0.14 -0.63	9.03 -0.07 -0.91
DANSKAMMER___1 23586	17.74 0.36 -12.45	14.38 0.36 -8.81	13.15 0.28 -8.87	12.15 0.30 -7.63	13.54 0.30 -8.71	16.49 0.34 -11.12	21.96 0.43 -15.42	26.64 0.50 -18.98	22.27 0.61 -13.58	18.70 0.66 -9.24	19.51 0.63 -10.29	20.10 0.44 -13.69	22.00 0.45 -15.59	23.23 0.45 -16.80	26.90 0.45 -20.60	27.48 0.40 -21.98	38.05 0.40 -32.55	44.35 0.44 -38.03	47.55 0.42 -41.47	40.14 1.09 -24.47	35.96 1.36 -16.91	28.74 1.03 -13.25	23.36 1.06 -8.17	20.64 0.62 -11.83
DANSKAMMER___2 23589	17.74 0.36 -12.45	14.38 0.36 -8.81	13.15 0.28 -8.87	12.15 0.30 -7.63	13.54 0.30 -8.71	16.49 0.34 -11.12	21.96 0.43 -15.42	26.64 0.50 -18.98	22.27 0.61 -13.58	18.70 0.66 -9.24	19.51 0.63 -10.29	20.10 0.44 -13.69	22.00 0.45 -15.59	23.23 0.45 -16.80	26.90 0.45 -20.60	27.48 0.40 -21.98	38.05 0.40 -32.55	44.35 0.44 -38.03	47.55 0.42 -41.47	40.14 1.09 -24.47	35.96 1.36 -16.91	28.74 1.03 -13.25	23.36 1.06 -8.17	20.64 0.62 -11.83
DANSKAMMER___3 23590	17.74 0.36 -12.45	14.38 0.36 -8.81	13.15 0.28 -8.87	12.15 0.30 -7.63	13.54 0.30 -8.71	16.49 0.34 -11.12	21.96 0.43 -15.42	26.64 0.50 -18.98	22.27 0.61 -13.58	18.70 0.66 -9.24	19.51 0.63 -10.29	20.10 0.44 -13.69	22.00 0.45 -15.59	23.23 0.45 -16.80	26.90 0.45 -20.60	27.48 0.40 -21.98	38.05 0.40 -32.55	44.35 0.44 -38.03	47.55 0.42 -41.47	40.14 1.09 -24.47	35.96 1.36 -16.91	28.74 1.03 -13.25	23.36 1.06 -8.17	20.64 0.62 -11.83
DANSKAMMER___4 23591	17.74 0.36 -12.45	14.38 0.36 -8.81	13.15 0.28 -8.87	12.15 0.30 -7.63	13.54 0.30 -8.71	16.49 0.34 -11.12	21.96 0.43 -15.42	26.64 0.50 -18.98	22.27 0.61 -13.58	18.70 0.66 -9.24	19.51 0.63 -10.29	20.10 0.44 -13.69	22.00 0.45 -15.59	23.23 0.45 -16.80	26.90 0.45 -20.60	27.48 0.40 -21.98	38.05 0.40 -32.55	44.35 0.44 -38.03	47.55 0.42 -41.47	40.14 1.09 -24.47	35.96 1.36 -16.91	28.74 1.03 -13.25	23.36 1.06 -8.17	20.64 0.62 -11.83
DANSKAMMER___DIESEL 23592	17.74 0.35 -12.45	14.38 0.35 -8.81	13.15 0.28 -8.87	12.15 0.30 -7.63	13.54 0.30 -8.71	16.49 0.34 -11.12	21.96 0.43 -15.42	26.64 0.50 -18.98	22.27 0.61 -13.58	18.70 0.66 -9.24	19.51 0.63 -10.29	20.10 0.44 -13.69	22.00 0.45 -15.59	23.23 0.45 -16.80	26.90 0.45 -20.60	27.48 0.40 -21.98	38.05 0.40 -32.55	44.35 0.44 -38.03	47.55 0.42 -41.48	40.14 1.09 -24.47	35.97 1.36 -16.91	28.74 1.03 -13.25	23.36 1.06 -8.17	20.65 0.63 -11.83
DARBY___SOLAR 323810	20.67 0.17 -15.56	16.40 0.17 -11.01	15.22 0.13 -11.08	13.88 0.13 -9.53	15.57 0.15 -10.89	19.11 0.18 -13.90	25.65 0.24 -19.30	31.20 0.29 -23.75	25.37 0.28 -17.00	20.68 0.32 -11.56	21.78 0.32 -12.88	23.34 0.23 -17.13	25.45 0.23 -19.25	26.79 0.23 -20.59	30.86 0.22 -24.80	31.72 0.19 -26.43	43.37 0.20 -38.07	50.28 0.24 -44.17	53.95 0.23 -48.07	45.63 0.63 -30.42	39.55 0.74 -21.11	31.60 0.59 -16.54	24.84 0.51 -10.20	23.24 0.29 -14.77
DASHVILLE___HYD 23610	17.72 0.28 -12.50	14.36 0.29 -8.85	13.14 0.23 -8.91	12.14 0.26 -7.66	13.53 0.25 -8.75	16.49 0.29 -11.17	21.95 0.35 -15.49	26.63 0.41 -19.06	22.26 0.53 -13.64	18.67 0.59 -9.28	19.46 0.54 -10.33	20.09 0.36 -13.75	21.97 0.38 -15.62	23.18 0.39 -16.81	26.77 0.39 -20.54	27.36 0.34 -21.91	37.76 0.34 -32.31	43.96 0.38 -37.71	47.14 0.37 -41.12	40.08 0.93 -24.57	35.87 1.19 -16.99	28.61 0.84 -13.31	23.29 0.95 -8.21	20.63 0.56 -11.89

DEERFIELD_69_KV_DEERFIELD LD 355887	18.09 0.57 -12.58	14.63 0.51 -8.90	13.36 0.39 -8.96	12.35 0.42 -7.71	13.77 0.43 -8.81	20.12 0.61 -14.48	26.20 0.75 -19.34	27.24 0.90 -19.18	25.85 1.00 -16.77	21.82 1.14 -11.87	25.96 1.24 -16.13	25.93 0.83 -19.12	26.25 0.86 -19.42	26.76 0.88 -19.91	27.57 0.81 -20.91	28.16 0.74 -22.32	38.66 0.63 -32.93	45.15 0.76 -38.50	48.38 0.73 -41.99	41.11 1.94 -24.60	45.47 2.57 -25.21	29.56 1.78 -13.31	27.10 1.79 -11.18	24.45 1.05 -15.21
DELAWARE___LFGE 323621	10.03 0.17 -4.92	8.87 0.17 -3.48	7.64 0.13 -3.51	7.38 0.14 -3.02	8.12 0.14 -3.44	9.60 0.17 -4.40	12.44 0.23 -6.10	14.93 0.26 -7.51	13.76 0.30 -5.37	12.78 0.32 -3.66	12.96 0.30 -4.07	11.59 0.20 -5.42	12.29 0.20 -6.13	12.75 0.20 -6.58	14.03 0.19 -7.99	13.80 0.17 -8.52	17.74 0.17 -12.46	20.57 0.19 -14.51	21.64 0.18 -15.80	24.71 0.48 -9.66	24.98 0.60 -6.69	20.19 0.49 -5.24	17.84 0.48 -3.23	13.18 0.31 -4.68
DERFIELD_115KV_TB7 355931	5.08 0.01 -0.14	5.38 0.01 -0.15	4.11 0.00 -0.10	4.35 0.01 -0.12	4.67 0.00 -0.14	5.19 0.01 -0.15	6.33 0.01 -0.20	7.40 0.01 -0.22	8.36 0.02 -0.26	9.11 0.02 -0.29	8.88 0.01 -0.28	6.16 0.01 -0.18	6.15 0.01 -0.18	6.16 0.01 -0.18	6.00 0.01 -0.15	5.11 0.01 0.00	5.11 0.01 0.00	5.88 0.01 0.00	5.66 0.01 0.00	14.59 0.01 0.00	17.71 0.02 0.00	14.49 0.03 0.00	14.16 0.03 0.00	8.22 0.03 0.00
DOGLEVILLE___HYD 23807	4.96 -0.11 -0.14	5.25 -0.11 -0.15	4.01 -0.09 -0.10	4.25 -0.09 -0.12	4.57 -0.10 -0.14	5.09 -0.09 -0.15	6.22 -0.09 -0.20	7.24 -0.14 -0.22	8.24 -0.11 -0.26	8.95 -0.14 -0.29	8.68 -0.20 -0.28	6.00 -0.16 -0.18	5.98 -0.16 -0.18	5.97 -0.18 -0.18	5.82 -0.18 -0.15	4.94 -0.16 0.00	4.94 -0.16 0.00	5.69 -0.19 0.00	5.48 -0.17 0.00	14.20 -0.38 0.00	17.30 -0.39 0.00	14.30 -0.16 0.00	13.98 -0.16 0.00	8.10 -0.09 0.00
DUNKIRK___115KV_TB_200 55889	7.19 0.02 -2.23	6.86 0.07 -1.57	5.63 0.04 -1.59	5.60 0.02 -1.36	6.12 0.03 -1.56	7.01 -0.01 -1.99	8.88 0.01 -2.77	10.54 -0.03 -3.40	10.47 -0.05 -2.44	10.42 -0.04 -1.66	10.42 -0.02 -1.85	8.37 -0.06 -2.45	8.66 -0.08 -2.78	8.85 -0.10 -2.98	9.36 -0.11 -3.62	8.81 -0.14 -3.85	10.62 -0.12 -5.63	12.27 -0.16 -6.55	12.59 -0.21 -7.15	18.23 -0.71 -4.37	19.96 -0.76 -3.02	16.38 -0.45 -2.37	15.18 -0.41 -1.46	10.41 0.11 -2.12
DUNKIRK___1 23563	7.19 0.02 -2.23	6.86 0.07 -1.57	5.63 0.04 -1.59	5.60 0.02 -1.36	6.12 0.03 -1.56	7.01 -0.01 -1.99	8.88 0.01 -2.77	10.54 -0.03 -3.40	10.47 -0.05 -2.44	10.42 -0.04 -1.66	10.42 -0.02 -1.85	8.37 -0.06 -2.45	8.66 -0.08 -2.78	8.85 -0.10 -2.98	9.36 -0.11 -3.62	8.81 -0.14 -3.85	10.62 -0.12 -5.63	12.27 -0.16 -6.55	12.59 -0.21 -7.15	18.23 -0.71 -4.37	19.96 -0.76 -3.02	16.38 -0.45 -2.37	15.18 -0.41 -1.46	10.41 0.11 -2.12
DUNKIRK___2 23564	7.19 0.02 -2.23	6.86 0.07 -1.57	5.63 0.04 -1.59	5.60 0.02 -1.36	6.12 0.03 -1.56	7.01 -0.01 -1.99	8.88 0.01 -2.77	10.54 -0.03 -3.40	10.47 -0.05 -2.44	10.42 -0.04 -1.66	10.42 -0.02 -1.85	8.37 -0.06 -2.45	8.66 -0.08 -2.78	8.85 -0.10 -2.98	9.36 -0.11 -3.62	8.81 -0.14 -3.85	10.62 -0.12 -5.63	12.27 -0.16 -6.55	12.59 -0.21 -7.15	18.23 -0.71 -4.37	19.96 -0.76 -3.02	16.38 -0.45 -2.37	15.18 -0.41 -1.46	10.41 0.11 -2.12
DUNKIRK___3 23565	7.16 0.02 -2.20	6.84 0.06 -1.56	5.61 0.04 -1.57	5.59 0.02 -1.35	6.10 0.03 -1.54	6.98 -0.02 -1.97	8.85 0.00 -2.74	10.50 -0.04 -3.37	10.44 -0.06 -2.41	10.39 -0.05 -1.64	10.38 -0.03 -1.83	8.34 -0.07 -2.43	8.63 -0.09 -2.75	8.83 -0.10 -2.95	9.32 -0.11 -3.59	8.78 -0.13 -3.81	10.56 -0.12 -5.57	12.20 -0.16 -6.49	12.52 -0.21 -7.08	18.17 -0.73 -4.32	19.91 -0.78 -3.00	16.33 -0.48 -2.35	15.14 -0.44 -1.45	10.38 0.10 -2.10
DUNKIRK___4 23566	7.16 0.02 -2.20	6.84 0.06 -1.56	5.61 0.04 -1.57	5.59 0.02 -1.35	6.10 0.03 -1.54	6.98 -0.02 -1.97	8.85 0.00 -2.74	10.50 -0.04 -3.37	10.44 -0.06 -2.41	10.39 -0.05 -1.64	10.38 -0.03 -1.83	8.34 -0.07 -2.43	8.63 -0.09 -2.75	8.83 -0.10 -2.95	9.32 -0.11 -3.59	8.78 -0.13 -3.81	10.56 -0.12 -5.57	12.20 -0.16 -6.49	12.52 -0.21 -7.08	18.17 -0.73 -4.32	19.91 -0.78 -3.00	16.33 -0.48 -2.35	15.14 -0.44 -1.45	10.38 0.10 -2.10
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	17.88 0.37 -12.58	14.48 0.36 -8.90	13.24 0.28 -8.96	12.24 0.31 -7.71	13.64 0.31 -8.80	16.63 0.36 -11.24	22.13 0.43 -15.58	26.85 0.52 -19.18	22.45 0.65 -13.73	18.88 0.74 -9.34	19.70 0.71 -10.40	20.30 0.49 -13.83	22.25 0.51 -15.78	23.51 0.51 -17.02	27.25 0.50 -20.91	27.85 0.43 -22.31	38.46 0.43 -32.92	44.87 0.50 -38.50	48.11 0.47 -41.99	40.30 1.14 -24.59	36.06 1.38 -16.98	28.78 1.01 -13.31	23.41 1.07 -8.21	20.70 0.63 -11.88
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	17.38 0.33 -12.11	14.12 0.33 -8.57	12.89 0.26 -8.63	11.92 0.28 -7.42	13.28 0.28 -8.48	16.17 0.32 -10.82	21.51 0.40 -15.00	26.10 0.47 -18.46	21.87 0.57 -13.22	18.43 0.63 -8.99	19.21 0.61 -10.01	19.71 0.42 -13.32	21.56 0.42 -15.17	22.77 0.44 -16.36	26.33 0.43 -20.06	26.88 0.37 -21.40	37.27 0.38 -31.78	43.45 0.43 -37.14	46.56 0.41 -40.51	39.49 1.05 -23.86	35.47 1.29 -16.49	28.35 0.97 -12.92	23.10 1.00 -7.97	20.32 0.60 -11.54
E179THST_138_KV_TB4_REV_LBMP_J 345001	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.37 -7.72	13.69 0.36 -8.80	16.64 0.37 -11.24	22.11 0.41 -15.58	26.84 0.50 -19.18	22.48 0.67 -13.73	18.90 0.77 -9.34	19.73 0.75 -10.40	20.32 0.51 -13.83	22.27 0.53 -15.77	23.53 0.54 -17.02	27.27 0.52 -20.90	27.86 0.45 -22.31	38.48 0.46 -32.91	44.89 0.53 -38.49	48.13 0.50 -41.98	40.36 1.20 -24.59	36.09 1.42 -16.98	28.71 0.94 -13.31	23.40 1.06 -8.21	20.77 0.70 -11.88
E179THST_13_KV_LOAD 356214	17.96 0.43 -12.59	14.57 0.44 -8.91	13.32 0.34 -8.97	12.32 0.38 -7.72	13.70 0.38 -8.80	16.66 0.39 -11.24	22.13 0.43 -15.58	26.87 0.54 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.78 0.79 -10.40	20.35 0.54 -13.83	22.30 0.56 -15.77	23.56 0.57 -17.02	27.30 0.55 -20.90	27.89 0.47 -22.31	38.51 0.49 -32.91	44.93 0.56 -38.49	48.16 0.53 -41.98	40.43 1.27 -24.59	36.20 1.52 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.80 0.73 -11.88
EAST HAMPTON___GT 23717	18.16 0.64 -12.58	14.69 0.57 -8.90	13.40 0.44 -8.96	12.40 0.47 -7.71	13.82 0.48 -8.81	20.17 0.66 -14.48	26.28 0.83 -19.34	27.35 1.01 -19.18	25.95 1.10 -16.77	21.92 1.24 -11.87	26.06 1.34 -16.13	26.02 0.92 -19.12	26.35 0.95 -19.42	26.86 0.97 -19.91	27.66 0.90 -20.91	28.24 0.82 -22.32	38.74 0.69 -32.94	45.24 0.84 -38.52	48.47 0.81 -42.01	41.30 2.13 -24.59	45.73 2.83 -25.21	29.55 1.78 -13.31	27.27 1.96 -11.18	24.52 1.12 -15.21
EAST RIVER___6 23660	17.90 0.39 -12.58	14.48 0.36 -8.90	13.25 0.28 -8.96	12.26 0.33 -7.71	13.64 0.31 -8.80	16.63 0.36 -11.24	22.11 0.42 -15.59	26.86 0.52 -19.18	22.48 0.67 -13.73	18.91 0.77 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.90	27.87 0.45 -22.31	38.51 0.46 -32.93	44.93 0.53 -38.51	48.15 0.50 -42.00	40.36 1.20 -24.58	36.11 1.43 -16.98	28.71 0.94 -13.31	23.40 1.06 -8.21	20.69 0.62 -11.88

EAST RIVER___7 23524	17.90 0.39 -12.58	14.48 0.36 -8.90	13.25 0.28 -8.96	12.26 0.33 -7.71	13.64 0.31 -8.80	16.63 0.36 -11.24	22.11 0.42 -15.59	26.86 0.52 -19.18	22.48 0.67 -13.73	18.91 0.77 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.90	27.87 0.45 -22.31	38.51 0.46 -32.93	44.93 0.53 -38.51	48.15 0.50 -42.00	40.36 1.20 -24.58	36.11 1.43 -16.98	28.71 0.94 -13.31	23.40 1.06 -8.21	20.69 0.62 -11.88
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	17.86 0.36 -12.56	14.46 0.35 -8.89	13.22 0.27 -8.95	12.22 0.30 -7.70	13.62 0.30 -8.79	16.60 0.35 -11.23	22.10 0.42 -15.57	26.81 0.50 -19.15	22.41 0.62 -13.71	18.84 0.71 -9.32	19.67 0.70 -10.38	20.27 0.48 -13.81	22.21 0.49 -15.76	23.47 0.50 -17.00	27.21 0.49 -20.88	27.80 0.42 -22.28	38.39 0.42 -32.87	44.79 0.48 -38.43	48.02 0.45 -41.91	40.23 1.11 -24.55	35.99 1.34 -16.96	28.73 0.98 -13.29	23.37 1.05 -8.19	20.66 0.61 -11.86
EAST_HAMPTON___DIESEL 23722	18.16 0.64 -12.58	14.69 0.57 -8.90	13.40 0.44 -8.96	12.40 0.47 -7.71	13.82 0.48 -8.81	20.17 0.66 -14.48	26.28 0.83 -19.34	27.35 1.01 -19.18	25.95 1.10 -16.77	21.92 1.24 -11.87	26.07 1.35 -16.13	26.02 0.92 -19.12	26.35 0.95 -19.42	26.86 0.97 -19.91	27.66 0.90 -20.91	28.24 0.82 -22.32	38.74 0.69 -32.94	45.24 0.84 -38.52	48.47 0.81 -42.01	41.30 2.13 -24.59	45.73 2.83 -25.21	29.57 1.79 -13.31	27.27 1.96 -11.18	24.52 1.12 -15.21
EAST_PULASKI___ESR 323781	5.76 -0.07 -0.90	5.71 -0.07 -0.56	4.59 -0.06 -0.64	4.64 -0.06 -0.49	5.03 -0.06 -0.57	5.71 -0.07 -0.75	7.13 -0.05 -1.06	8.43 -0.07 -1.35	8.80 -0.10 -0.81	9.05 -0.14 -0.39	8.94 -0.15 -0.49	6.80 -0.12 -0.95	6.95 -0.13 -1.11	7.06 -0.13 -1.21	7.29 -0.12 -1.56	6.90 -0.10 -1.90	7.80 -0.09 -2.78	9.00 -0.12 -3.24	9.07 -0.11 -3.53	16.49 -0.25 -2.16	18.91 -0.28 -1.50	15.42 -0.22 -1.17	14.66 -0.20 -0.72	9.17 -0.07 -1.05
EAST_RIVER___1 323558	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.88 0.54 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.76 0.77 -10.40	20.34 0.53 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.29 0.54 -20.90	27.87 0.46 -22.31	38.51 0.46 -32.93	44.93 0.53 -38.51	48.15 0.50 -42.00	40.37 1.21 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.74 0.67 -11.88
EAST_RIVER___2 323559	17.90 0.39 -12.58	14.48 0.36 -8.90	13.25 0.28 -8.96	12.26 0.33 -7.71	13.64 0.31 -8.80	16.63 0.36 -11.24	22.11 0.42 -15.59	26.86 0.52 -19.18	22.48 0.67 -13.73	18.91 0.77 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.90	27.87 0.45 -22.31	38.51 0.46 -32.93	44.93 0.53 -38.51	48.15 0.50 -42.00	40.36 1.20 -24.58	36.11 1.43 -16.98	28.71 0.94 -13.31	23.40 1.06 -8.21	20.69 0.62 -11.88
EAST___DELAWARE_HYD 23607	15.86 0.28 -10.64	13.04 0.29 -7.53	11.81 0.22 -7.58	10.99 0.25 -6.52	12.22 0.24 -7.45	14.83 0.29 -9.51	19.66 0.36 -13.19	23.80 0.42 -16.23	20.21 0.51 -11.62	17.23 0.53 -7.90	17.88 0.49 -8.80	18.01 0.33 -11.70	19.62 0.34 -13.31	20.67 0.35 -14.34	23.61 0.22 -17.55	24.02 0.20 -18.72	33.01 0.20 -27.70	38.44 0.22 -32.35	41.14 0.22 -35.27	36.14 0.61 -20.95	33.34 1.17 -14.48	26.72 0.91 -11.35	22.08 0.95 -7.00	18.88 0.56 -10.13
EIGHT_POINT___WT_PWR 323820	7.65 0.23 -2.48	7.27 0.29 -1.76	5.99 0.22 -1.77	5.95 0.21 -1.52	6.51 0.25 -1.74	7.51 0.27 -2.22	9.59 0.40 -3.07	11.37 0.42 -3.78	11.22 0.43 -2.71	11.08 0.43 -1.84	11.03 0.39 -2.05	8.93 0.23 -2.73	9.24 0.19 -3.09	9.48 0.19 -3.32	10.05 0.18 -4.03	9.54 0.14 -4.30	11.53 0.15 -6.28	13.37 0.18 -7.31	13.80 0.18 -7.97	20.01 0.57 -4.87	21.90 0.83 -3.37	17.90 0.79 -2.64	16.41 0.65 -1.63	11.06 0.51 -2.36
ELBRIDGE_115KV_TB2 80188	6.45 0.00 -1.51	6.29 0.00 -1.07	5.08 0.00 -1.08	5.13 -0.01 -0.93	5.58 0.00 -1.06	6.37 -0.01 -1.35	8.00 0.02 -1.87	9.50 0.03 -2.31	9.74 0.01 -1.65	9.93 0.00 -1.12	9.84 0.00 -1.25	7.62 -0.02 -1.66	7.82 -0.02 -1.88	7.97 -0.02 -2.02	8.28 -0.02 -2.45	7.70 -0.02 -2.62	8.91 -0.02 -3.83	10.30 -0.03 -4.45	10.47 -0.04 -4.86	17.44 -0.10 -2.97	19.66 -0.09 -2.05	16.03 -0.04 -1.61	15.04 -0.08 -0.99	9.65 0.02 -1.44
ELEC_TRO_TEK 24086	17.97 0.45 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	19.95 0.44 -14.48	25.98 0.53 -19.34	26.94 0.60 -19.18	25.60 0.75 -16.77	21.55 0.88 -11.87	25.58 0.86 -16.13	25.68 0.59 -19.12	25.98 0.59 -19.42	26.48 0.60 -19.91	27.29 0.54 -20.91	27.90 0.49 -22.31	38.45 0.41 -32.93	44.88 0.50 -38.50	48.13 0.48 -41.99	40.44 1.27 -24.59	36.31 1.63 -16.99	28.96 1.19 -13.31	26.58 1.27 -11.18	24.16 0.76 -15.21
ELLENBURG_WT_PWR 323604	-0.03 -0.36 4.61	1.33 -0.41 3.49	-0.01 -0.32 3.70	-0.05 -0.33 3.94	-0.06 -0.36 4.23	-0.53 -0.39 5.17	0.09 -0.48 5.55	-0.11 -0.52 6.75	-0.53 -0.64 7.97	-0.53 -0.70 8.63	-0.15 -0.64 8.10	1.32 -0.44 4.21	-0.53 -0.44 6.06	1.35 -0.41 4.21	1.94 -0.32 3.59	4.89 -0.21 0.00	4.95 -0.15 0.00	5.78 -0.10 0.00	5.61 -0.05 0.00	14.49 -0.09 0.00	17.50 -0.19 0.00	14.16 -0.30 0.00	13.82 -0.31 0.00	7.92 -0.27 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	7.09 0.00 -2.15	6.79 0.05 -1.52	5.56 0.03 -1.53	5.54 0.00 -1.32	6.05 0.02 -1.50	6.93 -0.02 -1.92	8.76 -0.02 -2.67	10.37 -0.07 -3.28	10.33 -0.11 -2.35	10.30 -0.11 -1.60	10.29 -0.08 -1.78	8.26 -0.08 -2.37	8.54 -0.10 -2.68	8.74 -0.11 -2.88	9.22 -0.12 -3.49	8.68 -0.13 -3.71	10.42 -0.12 -5.43	12.03 -0.17 -6.32	12.32 -0.23 -6.89	17.97 -0.82 -4.21	19.67 -0.94 -2.92	16.14 -0.61 -2.29	14.99 -0.55 -1.41	10.27 0.04 -2.04
EMPIRE_CC_1 323656	19.74 0.17 -14.63	15.75 0.18 -10.35	14.57 0.14 -10.42	13.33 0.14 -8.97	14.92 0.16 -10.24	18.27 0.17 -13.07	24.43 0.19 -18.13	29.67 0.20 -22.30	24.27 0.23 -15.97	19.95 0.29 -10.86	20.97 0.28 -12.09	22.24 0.18 -16.09	24.15 0.17 -18.01	25.35 0.16 -19.22	29.03 0.16 -23.02	29.77 0.13 -24.53	40.28 0.13 -35.04	46.60 0.15 -40.57	49.97 0.15 -44.18	43.52 0.38 -28.56	38.00 0.46 -19.84	30.43 0.42 -15.55	24.13 0.41 -9.59	22.33 0.25 -13.88
EMPIRE_CC_2 323658	19.74 0.17 -14.63	15.75 0.18 -10.35	14.57 0.14 -10.42	13.33 0.14 -8.97	14.92 0.16 -10.24	18.27 0.17 -13.07	24.43 0.19 -18.13	29.67 0.20 -22.30	24.27 0.23 -15.97	19.95 0.29 -10.86	20.97 0.28 -12.09	22.24 0.18 -16.09	24.15 0.17 -18.01	25.35 0.16 -19.22	29.03 0.16 -23.02	29.77 0.13 -24.53	40.28 0.13 -35.04	46.60 0.15 -40.57	49.97 0.15 -44.18	43.52 0.38 -28.56	38.00 0.46 -19.84	30.43 0.42 -15.55	24.13 0.41 -9.59	22.33 0.25 -13.88
ENORWICH_115KV_TB1 80156	8.91 0.26 -3.71	8.13 0.29 -2.63	6.85 0.20 -2.64	6.72 0.23 -2.27	7.37 0.24 -2.60	8.64 0.30 -3.32	11.16 0.45 -4.60	13.30 0.48 -5.66	12.60 0.47 -4.05	11.93 0.37 -2.76	11.99 0.33 -3.07	10.24 0.18 -4.08	10.77 0.19 -4.62	11.11 0.18 -4.96	12.05 0.18 -6.02	11.71 0.18 -6.42	14.70 0.20 -9.39	17.06 0.25 -10.94	17.85 0.28 -11.92	22.79 0.93 -7.28	23.94 1.20 -5.04	19.34 0.93 -3.95	17.43 0.86 -2.44	12.26 0.55 -3.53

ERIE_ST__34_KV_TB1-2 80199	7.14 -0.02 -2.22	6.81 0.02 -1.57	5.59 0.00 -1.58	5.56 -0.02 -1.36	6.07 -0.01 -1.56	6.97 -0.05 -1.99	8.84 -0.04 -2.76	10.48 -0.08 -3.40	10.41 -0.11 -2.43	10.36 -0.10 -1.65	10.36 -0.08 -1.84	8.34 -0.08 -2.45	8.64 -0.10 -2.77	8.85 -0.11 -2.98	9.35 -0.11 -3.62	8.81 -0.13 -3.84	10.61 -0.12 -5.62	12.25 -0.17 -6.54	12.57 -0.21 -7.13	18.19 -0.74 -4.36	19.87 -0.85 -3.02	16.27 -0.56 -2.37	15.05 -0.54 -1.46	10.33 0.02 -2.11
ERIE_WT_PWR 323693	7.13 -0.01 -2.20	6.83 0.05 -1.55	5.61 0.04 -1.57	5.58 0.01 -1.35	6.09 0.03 -1.54	6.98 -0.01 -1.96	8.83 -0.01 -2.72	10.46 -0.05 -3.35	10.40 -0.08 -2.40	10.36 -0.08 -1.64	10.36 -0.05 -1.82	8.33 -0.07 -2.43	8.62 -0.09 -2.75	8.83 -0.10 -2.95	9.33 -0.10 -3.58	8.80 -0.12 -3.82	10.56 -0.10 -5.55	12.19 -0.16 -6.47	12.49 -0.21 -7.05	18.14 -0.74 -4.31	19.83 -0.85 -2.99	16.32 -0.48 -2.34	15.08 -0.50 -1.44	10.28 0.00 -2.09
ESPRGFLD_115KV_TB1 80157	3.32 0.29 1.90	4.16 0.28 1.34	2.86 0.21 1.35	3.28 0.23 1.16	3.44 0.24 1.33	3.63 0.30 1.70	4.19 0.41 2.33	4.76 0.47 2.87	6.54 0.51 2.05	7.92 0.51 1.40	7.53 0.50 1.56	4.25 0.34 2.07	3.93 0.35 2.39	3.71 0.33 2.59	2.94 0.32 3.23	1.94 0.29 3.45	0.16 0.30 5.25	0.05 0.35 6.17	-0.79 0.34 6.78	11.75 0.93 3.76	16.26 1.15 2.59	13.39 0.95 2.03	13.74 0.86 1.25	6.90 0.52 1.81
ETNA_115_KV_TB1_REV_LBMP_C 345029	7.85 0.12 -2.79	7.34 0.14 -1.98	6.10 0.11 -1.99	6.04 0.11 -1.71	6.60 0.12 -1.95	7.66 0.13 -2.50	9.78 0.21 -3.46	11.64 0.22 -4.26	11.35 0.22 -3.05	11.08 0.20 -2.07	11.06 0.16 -2.31	9.14 0.10 -3.07	9.53 0.09 -3.47	9.80 0.10 -3.73	10.47 0.09 -4.53	10.02 0.08 -4.83	12.26 0.09 -7.07	14.22 0.11 -8.23	14.73 0.11 -8.97	20.38 0.32 -5.48	21.93 0.44 -3.79	17.80 0.36 -2.97	16.30 0.34 -1.83	11.11 0.27 -2.65
ETNA____115KV_TB2 80207	7.85 0.12 -2.79	7.34 0.14 -1.98	6.10 0.11 -1.99	6.04 0.11 -1.71	6.60 0.12 -1.95	7.66 0.13 -2.50	9.78 0.21 -3.46	11.64 0.22 -4.26	11.35 0.22 -3.05	11.08 0.20 -2.07	11.06 0.16 -2.31	9.14 0.10 -3.07	9.53 0.09 -3.47	9.80 0.10 -3.73	10.47 0.09 -4.53	10.02 0.08 -4.83	12.26 0.09 -7.07	14.22 0.11 -8.23	14.73 0.11 -8.97	20.38 0.32 -5.48	21.93 0.44 -3.79	17.80 0.36 -2.97	16.30 0.34 -1.83	11.11 0.27 -2.65
EUCLID__115KV_TB2 356179	6.13 -0.04 -1.24	6.06 -0.04 -0.88	4.86 -0.03 -0.88	4.94 -0.04 -0.76	5.36 -0.04 -0.87	6.09 -0.05 -1.11	7.62 -0.03 -1.54	9.01 -0.04 -1.89	9.38 -0.06 -1.35	9.66 -0.06 -0.92	9.55 -0.07 -1.03	7.27 -0.07 -1.36	7.44 -0.07 -1.54	7.57 -0.07 -1.66	7.80 -0.06 -2.01	7.19 -0.06 -2.15	8.19 -0.06 -3.14	9.46 -0.08 -3.66	9.55 -0.08 -3.98	16.79 -0.22 -2.43	19.13 -0.25 -1.69	15.59 -0.19 -1.32	14.76 -0.18 -0.81	9.33 -0.04 -1.18
E_CANADA_CAP_HY 24051	24.04 0.36 -18.75	18.84 0.36 -13.26	17.62 0.27 -13.35	15.99 0.29 -11.49	17.96 0.31 -13.12	22.15 0.37 -16.75	29.86 0.51 -23.23	36.33 0.59 -28.58	29.16 0.62 -20.46	23.37 0.63 -13.93	24.73 0.62 -15.52	27.06 0.44 -20.64	29.70 0.44 -23.29	31.35 0.41 -24.96	36.47 0.40 -30.22	37.68 0.36 -32.22	52.27 0.37 -46.79	60.73 0.45 -54.40	65.37 0.44 -59.28	52.54 1.21 -36.76	44.62 1.45 -25.48	35.62 1.20 -19.96	27.53 1.09 -12.31	26.64 0.63 -17.82
E_CANADA_MHWK_HY 24050	4.96 -0.11 -0.14	5.25 -0.11 -0.15	4.01 -0.09 -0.10	4.25 -0.09 -0.12	4.57 -0.10 -0.14	5.09 -0.09 -0.15	6.22 -0.09 -0.20	7.24 -0.14 -0.22	8.24 -0.11 -0.26	8.95 -0.14 -0.29	8.68 -0.20 -0.28	6.00 -0.16 -0.18	5.98 -0.16 -0.18	5.97 -0.18 -0.18	5.82 -0.18 -0.15	4.94 -0.16 0.00	4.94 -0.16 0.00	5.69 -0.19 0.00	5.48 -0.17 0.00	14.20 -0.38 0.00	17.30 -0.39 0.00	14.30 -0.16 0.00	13.98 -0.16 0.00	8.10 -0.09 0.00
E_FISHKILL__LBMP 23776	17.98 0.31 -12.73	14.54 0.31 -9.00	13.31 0.24 -9.06	12.28 0.27 -7.80	13.70 0.27 -8.91	16.71 0.31 -11.37	22.25 0.37 -15.77	27.00 0.44 -19.40	22.51 0.54 -13.89	18.86 0.62 -9.45	19.71 0.60 -10.52	20.37 0.41 -13.99	22.35 0.42 -15.96	23.62 0.42 -17.22	27.41 0.42 -21.15	28.03 0.36 -22.57	38.92 0.36 -33.46	45.41 0.41 -39.13	48.71 0.39 -42.67	40.50 0.95 -24.98	36.12 1.17 -17.25	28.85 0.87 -13.52	23.39 0.92 -8.34	20.80 0.54 -12.07
FALCON__SEABRD_CC1 323796	0.01 -0.32 4.61	1.37 -0.37 3.48	0.01 -0.28 3.71	-0.02 -0.30 3.94	-0.02 -0.32 4.23	-0.49 -0.34 5.18	0.15 -0.42 5.54	-0.04 -0.44 6.75	-0.44 -0.55 7.97	-0.43 -0.61 8.63	-0.05 -0.54 8.10	1.41 -0.37 4.20	-0.47 -0.38 6.06	1.42 -0.36 4.20	2.01 -0.26 3.58	4.95 -0.15 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.67 0.09 0.00	17.68 -0.02 0.00	14.29 -0.17 0.00	13.95 -0.18 0.00	7.98 -0.20 0.00
FALCON__SEABRD_CC2 323797	0.01 -0.32 4.61	1.37 -0.37 3.48	0.01 -0.28 3.71	-0.02 -0.30 3.94	-0.02 -0.32 4.23	-0.49 -0.34 5.18	0.15 -0.42 5.54	-0.04 -0.44 6.75	-0.44 -0.55 7.97	-0.43 -0.61 8.63	-0.05 -0.54 8.10	1.41 -0.37 4.20	-0.47 -0.38 6.06	1.42 -0.36 4.20	2.01 -0.26 3.58	4.95 -0.15 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.67 0.09 0.00	17.68 -0.02 0.00	14.29 -0.17 0.00	13.95 -0.18 0.00	7.98 -0.20 0.00
FAR ROCKAWAY__4 23548	18.03 0.51 -12.58	14.61 0.49 -8.90	13.34 0.37 -8.96	12.33 0.40 -7.71	13.74 0.41 -8.81	20.01 0.50 -14.48	26.06 0.61 -19.34	27.00 0.66 -19.18	25.70 0.85 -16.77	21.66 0.99 -11.87	25.66 0.94 -16.13	25.74 0.65 -19.12	26.04 0.65 -19.42	26.54 0.66 -19.91	27.36 0.60 -20.91	27.96 0.55 -22.31	38.41 0.38 -32.93	44.85 0.47 -38.50	48.10 0.45 -41.99	40.36 1.20 -24.59	36.24 1.56 -16.99	29.16 1.39 -13.31	26.79 1.48 -11.18	24.28 0.88 -15.21
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	17.91 0.40 -12.58	14.51 0.39 -8.90	13.27 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.66 0.39 -11.24	22.15 0.46 -15.58	26.89 0.55 -19.17	22.51 0.70 -13.73	18.95 0.81 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.29 0.54 -20.90	27.88 0.46 -22.31	38.50 0.47 -32.92	44.91 0.54 -38.50	48.14 0.50 -41.98	40.39 1.22 -24.59	36.15 1.47 -16.98	28.81 1.04 -13.31	23.48 1.14 -8.21	20.75 0.68 -11.88
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	17.91 0.40 -12.58	14.51 0.39 -8.90	13.27 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.66 0.39 -11.24	22.15 0.46 -15.58	26.89 0.55 -19.17	22.51 0.70 -13.73	18.95 0.81 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.29 0.54 -20.90	27.88 0.46 -22.31	38.50 0.47 -32.92	44.91 0.54 -38.50	48.14 0.50 -41.98	40.39 1.22 -24.59	36.15 1.47 -16.98	28.81 1.04 -13.31	23.50 1.16 -8.21	20.76 0.69 -11.88
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	17.91 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.58	26.88 0.54 -19.17	22.51 0.70 -13.73	18.94 0.80 -9.34	19.76 0.77 -10.40	20.34 0.53 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.29 0.54 -20.90	27.87 0.46 -22.31	38.49 0.46 -32.92	44.91 0.53 -38.50	48.13 0.50 -41.98	40.37 1.21 -24.59	36.13 1.45 -16.98	28.80 1.03 -13.31	23.48 1.14 -8.21	20.75 0.68 -11.88

FARRAGUT___LBMP 323566	17.91 0.39 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.58	26.87 0.54 -19.17	22.50 0.70 -13.73	18.93 0.79 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.55 0.55 -17.02	27.28 0.53 -20.90	27.87 0.46 -22.31	38.49 0.46 -32.92	44.90 0.53 -38.50	48.13 0.50 -41.98	40.36 1.20 -24.59	36.13 1.45 -16.98	28.80 1.03 -13.31	23.47 1.13 -8.21	20.74 0.67 -11.88
FENNER___WINDPWR 24204	6.58 0.05 -1.58	6.42 0.08 -1.12	5.19 0.06 -1.13	5.25 0.06 -0.97	5.70 0.06 -1.11	6.53 0.08 -1.42	8.21 0.13 -1.96	9.71 0.14 -2.42	9.96 0.15 -1.73	10.11 0.13 -1.18	10.00 0.10 -1.31	7.76 0.05 -1.74	7.99 0.05 -1.97	8.14 0.05 -2.12	8.46 0.05 -2.57	7.89 0.05 -2.74	9.17 0.06 -4.01	10.61 0.06 -4.67	10.81 0.07 -5.09	17.92 0.23 -3.11	20.15 0.30 -2.15	16.44 0.29 -1.69	15.40 0.23 -1.04	9.85 0.16 -1.51
FIBERTEK___ENERGY 23856	6.38 0.00 -1.44	6.25 0.02 -1.02	5.04 0.01 -1.03	5.10 0.00 -0.88	5.55 0.01 -1.01	6.32 0.01 -1.29	7.93 0.03 -1.79	9.39 0.04 -2.20	9.69 0.03 -1.57	9.90 0.03 -1.07	9.80 0.02 -1.19	7.55 -0.01 -1.58	7.75 -0.01 -1.79	7.89 -0.01 -1.92	8.18 -0.01 -2.34	7.59 -0.01 -2.49	8.74 -0.01 -3.65	10.10 -0.02 -4.25	10.25 -0.03 -4.63	17.35 -0.06 -2.83	19.60 -0.05 -1.96	15.98 -0.01 -1.53	15.05 -0.03 -0.95	9.61 0.05 -1.37
FITZPATRICK____ 23598	5.81 -0.13 -1.00	5.81 -0.13 -0.71	4.62 -0.10 -0.72	4.72 -0.11 -0.62	5.12 -0.11 -0.70	5.80 -0.13 -0.90	7.22 -0.14 -1.24	8.52 -0.17 -1.53	8.98 -0.20 -1.10	9.33 -0.22 -0.75	9.20 -0.22 -0.83	6.91 -0.17 -1.10	7.04 -0.17 -1.25	7.14 -0.17 -1.34	7.31 -0.16 -1.63	6.69 -0.15 -1.74	7.51 -0.14 -2.54	8.66 -0.18 -2.96	8.69 -0.18 -3.22	16.08 -0.47 -1.97	18.51 -0.55 -1.36	15.13 -0.40 -1.07	14.37 -0.42 -0.66	8.95 -0.20 -0.95
FLOWRFLD_69_KV_BK1 356044	18.05 0.53 -12.58	14.58 0.46 -8.90	13.32 0.35 -8.96	12.31 0.38 -7.71	13.72 0.39 -8.81	20.03 0.52 -14.48	26.08 0.64 -19.34	27.08 0.74 -19.18	25.72 0.87 -16.77	21.69 1.01 -11.87	25.75 1.03 -16.13	25.80 0.70 -19.12	26.12 0.73 -19.42	26.61 0.73 -19.91	27.40 0.64 -20.91	28.01 0.59 -22.32	38.52 0.49 -32.93	44.99 0.61 -38.50	48.23 0.59 -41.99	40.75 1.57 -24.59	42.94 2.07 -23.17	29.25 1.48 -13.31	26.85 1.54 -11.18	24.30 0.90 -15.21
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	17.78 0.36 -12.49	14.42 0.36 -8.84	13.18 0.28 -8.90	12.18 0.31 -7.65	13.58 0.31 -8.74	16.54 0.35 -11.16	22.02 0.43 -15.47	26.71 0.51 -19.04	22.33 0.61 -13.63	18.74 0.67 -9.27	19.55 0.64 -10.32	20.15 0.44 -13.73	22.06 0.45 -15.64	23.30 0.46 -16.86	26.98 0.46 -20.67	27.56 0.40 -22.06	38.17 0.40 -32.66	44.49 0.45 -38.17	47.70 0.43 -41.62	40.25 1.12 -24.55	36.04 1.38 -16.96	28.79 1.04 -13.29	23.40 1.07 -8.20	20.69 0.64 -11.87
FORT ORANGE____ 23900	20.16 0.22 -14.99	16.06 0.23 -10.61	14.86 0.18 -10.68	13.59 0.19 -9.19	15.22 0.20 -10.49	18.65 0.23 -13.40	24.97 0.28 -18.58	30.34 0.32 -22.86	24.80 0.36 -16.36	20.33 0.40 -11.13	21.36 0.38 -12.39	22.72 0.26 -16.49	24.78 0.26 -18.56	26.09 0.25 -19.87	30.07 0.25 -23.97	30.88 0.22 -25.55	42.24 0.22 -36.91	49.00 0.26 -42.87	52.60 0.25 -46.70	44.56 0.66 -29.33	38.83 0.80 -20.34	31.07 0.67 -15.94	24.58 0.62 -9.83	22.78 0.36 -14.23
FORT_DRUM_COGEN 23780	5.01 -0.11 -0.19	4.93 -0.13 0.16	4.06 -0.09 -0.14	4.06 -0.08 0.08	4.35 -0.11 0.07	4.96 -0.09 -0.02	6.07 -0.06 -0.01	7.23 -0.09 -0.17	7.60 -0.15 0.33	7.82 -0.26 0.73	7.69 -0.26 0.64	5.76 -0.20 0.01	5.96 -0.21 -0.20	5.95 -0.20 -0.17	6.17 -0.19 -0.52	6.27 -0.15 -1.32	6.93 -0.11 -1.93	8.02 -0.11 -2.25	8.02 -0.07 -2.45	16.06 -0.01 -1.49	18.73 0.00 -1.04	15.23 -0.04 -0.81	14.56 -0.07 -0.50	8.86 -0.05 -0.72
FPL_FAR_ROCK_GT1 24212	18.03 0.51 -12.58	14.61 0.49 -8.90	13.34 0.37 -8.96	12.33 0.40 -7.71	13.74 0.41 -8.81	20.01 0.50 -14.48	26.06 0.61 -19.34	27.00 0.66 -19.18	25.70 0.85 -16.77	21.66 0.99 -11.87	25.66 0.94 -16.13	25.74 0.65 -19.12	26.04 0.65 -19.42	26.55 0.66 -19.91	27.36 0.60 -20.91	27.97 0.55 -22.31	38.43 0.38 -32.94	44.87 0.47 -38.52	48.11 0.45 -42.01	40.36 1.20 -24.59	36.24 1.56 -16.98	29.13 1.36 -13.31	26.79 1.48 -11.18	24.27 0.87 -15.21
FPL_FAR_ROCK_GT2 23815	18.03 0.51 -12.58	14.61 0.49 -8.90	13.34 0.37 -8.96	12.33 0.40 -7.71	13.74 0.41 -8.81	20.01 0.50 -14.48	26.06 0.61 -19.34	27.00 0.66 -19.18	25.70 0.85 -16.77	21.66 0.99 -11.87	25.66 0.94 -16.13	25.74 0.65 -19.12	26.04 0.65 -19.42	26.55 0.66 -19.91	27.36 0.60 -20.91	27.97 0.55 -22.31	38.43 0.38 -32.94	44.87 0.47 -38.52	48.11 0.45 -42.01	40.36 1.20 -24.59	36.24 1.56 -16.98	29.13 1.36 -13.31	26.79 1.48 -11.18	24.27 0.87 -15.21
FRANKLIN_FALL_HYD 24054	2.57 -0.33 2.04	1.59 -0.37 3.26	2.50 -0.28 1.22	1.85 -0.30 2.07	1.85 -0.32 2.36	2.31 -0.35 2.37	1.70 -0.42 4.00	2.72 -0.47 3.97	2.96 -0.55 4.57	2.98 -0.61 5.22	2.75 -0.57 5.27	1.65 -0.38 3.94	2.95 -0.38 2.64	1.68 -0.36 3.93	2.20 -0.29 3.35	4.90 -0.20 0.00	4.94 -0.16 0.00	5.75 -0.12 0.00	5.58 -0.07 0.00	14.43 -0.15 0.00	17.43 -0.27 0.00	14.14 -0.32 0.00	13.76 -0.37 0.00	7.86 -0.33 0.00
FREEPORT_EQUS_GT1 23764	18.01 0.49 -12.58	14.57 0.45 -8.90	13.31 0.34 -8.96	12.30 0.38 -7.71	13.71 0.38 -8.81	19.98 0.47 -14.48	26.03 0.57 -19.34	26.98 0.64 -19.18	25.65 0.80 -16.77	21.61 0.93 -11.87	25.62 0.90 -16.13	25.71 0.62 -19.12	26.02 0.63 -19.42	26.52 0.63 -19.91	27.33 0.57 -20.91	27.94 0.52 -22.31	38.49 0.44 -32.94	44.93 0.53 -38.52	48.18 0.52 -42.01	40.54 1.37 -24.59	37.25 1.79 -17.77	29.00 1.23 -13.31	26.69 1.39 -11.17	24.21 0.81 -15.21
FREEPORT___CT2 23818	18.01 0.49 -12.58	14.57 0.45 -8.90	13.31 0.34 -8.96	12.30 0.38 -7.71	13.71 0.38 -8.81	19.98 0.47 -14.48	26.03 0.57 -19.34	26.98 0.64 -19.18	25.65 0.80 -16.77	21.61 0.93 -11.87	25.62 0.90 -16.13	25.71 0.62 -19.12	26.02 0.63 -19.42	26.52 0.63 -19.91	27.33 0.57 -20.91	27.94 0.52 -22.31	38.49 0.44 -32.94	44.93 0.53 -38.52	48.18 0.52 -42.01	40.54 1.37 -24.59	37.25 1.79 -17.77	29.00 1.23 -13.31	26.69 1.39 -11.17	24.21 0.81 -15.21
FRESHKLS_33_KV_LOAD 356253	17.96 0.43 -12.59	14.54 0.42 -8.91	13.29 0.32 -8.97	12.30 0.36 -7.72	13.68 0.35 -8.80	16.63 0.36 -11.24	22.09 0.39 -15.58	26.82 0.49 -19.18	22.46 0.65 -13.73	18.88 0.74 -9.34	19.73 0.75 -10.40	20.32 0.52 -13.83	22.29 0.54 -15.77	23.55 0.55 -17.02	27.30 0.54 -20.90	27.88 0.46 -22.31	38.51 0.49 -32.91	44.93 0.57 -38.49	48.16 0.54 -41.98	40.45 1.28 -24.59	36.20 1.52 -16.98	28.72 0.95 -13.31	23.51 1.17 -8.21	20.82 0.75 -11.88
FULTON COGEN____ 23766	6.06 -0.08 -1.20	6.00 -0.07 -0.85	4.80 -0.06 -0.86	4.89 -0.07 -0.74	5.31 -0.06 -0.84	6.02 -0.08 -1.08	7.54 -0.07 -1.49	8.91 -0.09 -1.84	9.29 -0.11 -1.31	9.57 -0.12 -0.89	9.45 -0.14 -1.00	7.19 -0.11 -1.32	7.35 -0.11 -1.50	7.48 -0.11 -1.61	7.70 -0.11 -1.95	7.09 -0.10 -2.08	8.06 -0.10 -3.05	9.31 -0.12 -3.55	9.39 -0.12 -3.87	16.63 -0.31 -2.36	18.98 -0.35 -1.64	15.48 -0.26 -1.28	14.65 -0.27 -0.79	9.24 -0.09 -1.14

FULTON___LFGE 323630	23.01 0.39 -17.68	18.19 0.46 -12.51	16.95 0.36 -12.59	15.43 0.37 -10.84	17.32 0.42 -12.38	21.34 0.51 -15.80	28.72 0.70 -21.91	34.76 0.64 -26.96	28.17 0.79 -19.30	22.74 0.79 -13.14	23.88 0.65 -14.64	25.94 0.49 -19.47	28.42 0.49 -21.96	29.98 0.47 -23.53	34.77 0.46 -28.46	35.87 0.42 -30.35	49.57 0.45 -44.01	57.62 0.58 -51.16	61.96 0.56 -55.75	50.80 1.56 -34.66	43.58 1.86 -24.03	34.98 1.69 -18.83	27.23 1.48 -11.61	25.85 0.85 -16.81
G.F.CEMENT___DRP 24184	20.74 0.14 -15.66	16.42 0.12 -11.08	15.25 0.09 -11.15	13.90 0.09 -9.60	15.60 0.11 -10.96	19.16 0.14 -13.99	25.75 0.21 -19.43	31.32 0.25 -23.91	25.43 0.23 -17.12	20.71 0.26 -11.64	21.83 0.27 -12.96	23.44 0.22 -17.25	25.59 0.22 -19.40	26.94 0.22 -20.75	31.07 0.20 -25.02	31.95 0.18 -26.67	43.75 0.19 -38.46	50.74 0.22 -44.64	54.43 0.21 -48.57	45.82 0.61 -30.63	39.65 0.71 -21.25	31.65 0.54 -16.65	24.81 0.41 -10.27	23.28 0.22 -14.87
GARDENVILLE___LBMP 24039	7.12 0.00 -2.19	6.81 0.04 -1.55	5.59 0.02 -1.56	5.56 0.00 -1.34	6.07 0.01 -1.53	6.96 -0.03 -1.95	8.81 -0.02 -2.72	10.43 -0.07 -3.34	10.38 -0.10 -2.39	10.33 -0.11 -1.63	10.33 -0.08 -1.81	8.30 -0.08 -2.41	8.59 -0.10 -2.73	8.79 -0.11 -2.93	9.29 -0.12 -3.56	8.75 -0.14 -3.78	10.51 -0.12 -5.53	12.14 -0.17 -6.44	12.44 -0.23 -7.02	18.08 -0.79 -4.29	19.76 -0.90 -2.97	16.21 -0.58 -2.33	15.03 -0.54 -1.44	10.32 0.05 -2.08
GARDNVLA_35_KV_LD 355827	7.16 0.02 -2.20	6.84 0.06 -1.56	5.62 0.04 -1.57	5.59 0.02 -1.35	6.10 0.03 -1.54	6.99 -0.01 -1.97	8.86 0.01 -2.74	10.50 -0.04 -3.37	10.44 -0.06 -2.41	10.39 -0.05 -1.64	10.39 -0.03 -1.83	8.35 -0.05 -2.43	8.65 -0.07 -2.75	8.85 -0.08 -2.96	9.35 -0.09 -3.59	8.80 -0.11 -3.81	10.58 -0.09 -5.56	12.21 -0.14 -6.48	12.52 -0.20 -7.07	18.18 -0.71 -4.32	19.89 -0.80 -2.99	16.31 -0.49 -2.34	15.11 -0.47 -1.45	10.37 0.09 -2.09
GELCKHM_115KV_LOAD 80723	6.22 -0.03 -1.32	6.13 -0.02 -0.93	4.92 -0.02 -0.94	5.00 -0.03 -0.81	5.43 -0.02 -0.92	6.18 -0.03 -1.18	7.73 -0.01 -1.63	9.15 -0.01 -2.01	9.49 -0.02 -1.44	9.74 -0.04 -0.98	9.64 -0.04 -1.09	7.38 -0.04 -1.45	7.56 -0.05 -1.64	7.69 -0.04 -1.76	7.94 -0.04 -2.14	7.34 -0.04 -2.28	8.40 -0.04 -3.33	9.70 -0.05 -3.88	9.82 -0.06 -4.23	17.00 -0.16 -2.58	19.31 -0.18 -1.79	15.75 -0.12 -1.40	14.85 -0.14 -0.86	9.43 -0.01 -1.25
GENERAL___MILLS 23808	7.15 0.01 -2.20	6.83 0.05 -1.55	5.60 0.03 -1.57	5.58 0.01 -1.35	6.09 0.02 -1.54	6.98 -0.02 -1.96	8.84 -0.01 -2.73	10.47 -0.06 -3.36	10.41 -0.08 -2.41	10.36 -0.08 -1.64	10.36 -0.06 -1.82	8.33 -0.07 -2.43	8.62 -0.09 -2.75	8.82 -0.10 -2.95	9.32 -0.11 -3.58	8.78 -0.12 -3.80	10.55 -0.11 -5.55	12.18 -0.16 -6.47	12.49 -0.21 -7.05	18.13 -0.76 -4.31	19.83 -0.85 -2.99	16.27 -0.54 -2.34	15.07 -0.51 -1.44	10.34 0.07 -2.09
GE_PLASTICS___DRP 24183	20.15 0.19 -15.02	16.05 0.20 -10.62	14.86 0.16 -10.69	13.58 0.16 -9.20	15.22 0.18 -10.51	18.64 0.20 -13.42	24.94 0.24 -18.59	30.30 0.27 -22.87	24.76 0.31 -16.37	20.29 0.35 -11.13	21.33 0.34 -12.40	22.70 0.23 -16.50	24.78 0.23 -18.59	26.11 0.23 -19.91	30.12 0.22 -24.05	30.94 0.19 -25.64	42.42 0.19 -37.12	49.23 0.22 -43.13	52.89 0.21 -47.03	44.49 0.54 -29.38	38.72 0.65 -20.37	30.99 0.56 -15.96	24.51 0.54 -9.84	22.76 0.32 -14.25
GILBOA___1 23756	17.00 0.17 -11.90	13.81 0.17 -8.42	12.61 0.14 -8.47	11.65 0.14 -7.29	13.01 0.15 -8.33	15.82 0.17 -10.63	21.06 0.21 -14.74	25.54 0.24 -18.14	21.35 0.28 -12.98	17.95 0.32 -8.83	18.73 0.31 -9.83	19.26 0.21 -13.08	20.97 0.21 -14.80	22.07 0.21 -15.89	25.36 0.20 -19.30	25.87 0.18 -20.59	35.33 0.17 -30.05	41.05 0.18 -35.00	43.96 0.16 -38.14	38.31 0.42 -23.31	34.35 0.51 -16.14	27.59 0.48 -12.65	22.41 0.48 -7.80	19.77 0.29 -11.29
GILBOA___2 23757	17.00 0.17 -11.90	13.81 0.17 -8.42	12.61 0.14 -8.47	11.65 0.14 -7.29	13.01 0.15 -8.33	15.82 0.17 -10.63	21.06 0.21 -14.74	25.54 0.24 -18.14	21.35 0.28 -12.98	17.95 0.32 -8.83	18.73 0.31 -9.83	19.26 0.21 -13.08	20.97 0.21 -14.80	22.07 0.21 -15.89	25.36 0.20 -19.30	25.87 0.18 -20.59	35.33 0.17 -30.05	41.05 0.18 -35.00	43.96 0.16 -38.14	38.31 0.42 -23.31	34.35 0.51 -16.14	27.59 0.48 -12.65	22.41 0.48 -7.80	19.77 0.29 -11.29
GILBOA___3 23758	17.00 0.17 -11.90	13.81 0.17 -8.42	12.61 0.14 -8.47	11.65 0.14 -7.29	13.01 0.15 -8.33	15.82 0.17 -10.63	21.06 0.21 -14.74	25.54 0.24 -18.14	21.35 0.28 -12.98	17.95 0.32 -8.83	18.73 0.31 -9.83	19.26 0.21 -13.08	20.97 0.21 -14.80	22.07 0.21 -15.89	25.36 0.20 -19.30	25.87 0.18 -20.59	35.33 0.17 -30.05	41.05 0.18 -35.00	43.96 0.16 -38.14	38.31 0.42 -23.31	34.35 0.51 -16.14	27.59 0.48 -12.65	22.41 0.48 -7.80	19.77 0.29 -11.29
GILBOA___4 23759	17.00 0.17 -11.90	13.81 0.17 -8.42	12.61 0.14 -8.47	11.65 0.14 -7.29	13.01 0.15 -8.33	15.82 0.17 -10.63	21.06 0.21 -14.74	25.54 0.24 -18.14	21.35 0.28 -12.98	17.95 0.32 -8.83	18.73 0.31 -9.83	19.26 0.21 -13.08	20.97 0.21 -14.80	22.07 0.21 -15.89	25.36 0.20 -19.30	25.87 0.18 -20.59	35.33 0.17 -30.05	41.05 0.18 -35.00	43.96 0.16 -38.14	38.31 0.42 -23.31	34.35 0.51 -16.14	27.59 0.48 -12.65	22.41 0.48 -7.80	19.77 0.29 -11.29
GILBOA___ 23599	17.00 0.17 -11.90	13.81 0.17 -8.42	12.61 0.14 -8.47	11.65 0.14 -7.29	13.01 0.15 -8.33	15.83 0.17 -10.63	21.06 0.21 -14.74	25.53 0.24 -18.14	21.35 0.28 -12.98	17.95 0.32 -8.83	18.73 0.31 -9.83	19.26 0.21 -13.08	20.97 0.21 -14.80	22.07 0.21 -15.89	25.36 0.20 -19.30	25.87 0.18 -20.59	35.33 0.17 -30.05	41.05 0.18 -35.00	43.97 0.17 -38.15	38.31 0.42 -23.31	34.35 0.51 -16.14	27.59 0.48 -12.65	22.41 0.48 -7.80	19.78 0.29 -11.29
GINNA___ 23603	6.34 -0.20 -1.61	6.17 -0.19 -1.14	5.00 -0.15 -1.14	5.03 -0.18 -0.99	5.48 -0.17 -1.13	6.27 -0.19 -1.44	7.88 -0.22 -1.99	9.34 -0.27 -2.45	9.50 -0.33 -1.75	9.63 -0.37 -1.19	9.58 -0.34 -1.33	7.47 -0.27 -1.77	7.69 -0.27 -2.00	7.85 -0.27 -2.15	8.19 -0.27 -2.61	7.64 -0.24 -2.78	8.94 -0.23 -4.07	10.33 -0.29 -4.74	10.50 -0.32 -5.16	16.87 -0.86 -3.15	18.83 -1.04 -2.18	15.44 -0.74 -1.71	14.40 -0.79 -1.06	9.39 -0.33 -1.53
GLEN PARK___ 23778	5.09 -0.09 -0.24	5.01 -0.10 0.10	4.11 -0.08 -0.18	4.12 -0.07 0.03	4.41 -0.10 0.02	5.04 -0.07 -0.08	6.18 -0.03 -0.10	7.36 -0.06 -0.26	7.73 -0.12 0.23	7.93 -0.24 0.64	7.80 -0.24 0.55	5.85 -0.19 -0.07	6.05 -0.19 -0.27	6.04 -0.19 -0.25	6.26 -0.18 -0.60	6.33 -0.14 -1.36	7.01 -0.09 -1.99	8.11 -0.09 -2.32	8.13 -0.06 -2.53	16.17 0.04 -1.55	18.84 0.07 -1.07	15.37 0.07 -0.84	14.63 -0.01 -0.52	8.90 -0.03 -0.75
GLENDALE_27_KV_LOAD 356172	17.95 0.43 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.31 0.37 -7.72	13.69 0.36 -8.80	16.67 0.40 -11.24	22.16 0.46 -15.58	26.91 0.57 -19.18	22.55 0.74 -13.73	18.97 0.84 -9.34	19.81 0.82 -10.40	20.37 0.57 -13.83	22.33 0.59 -15.77	23.59 0.59 -17.02	27.33 0.58 -20.90	27.91 0.50 -22.31	38.55 0.51 -32.93	44.97 0.59 -38.51	50.08 0.55 -43.88	40.51 1.34 -24.59	36.27 1.59 -16.98	28.85 1.08 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88

GLENWOOD_IC_1_G5 23712	17.96 0.44 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	19.93 0.43 -14.48	25.97 0.52 -19.34	26.93 0.59 -19.18	25.60 0.74 -16.77	21.54 0.86 -11.87	25.56 0.84 -16.13	25.68 0.59 -19.12	25.99 0.60 -19.42	26.49 0.60 -19.91	27.32 0.56 -20.91	27.92 0.51 -22.31	38.45 0.42 -32.93	44.88 0.50 -38.50	48.12 0.47 -41.99	40.39 1.22 -24.59	36.20 1.52 -16.99	28.99 1.21 -13.31	26.58 1.27 -11.18	24.15 0.75 -15.21
GLENWOOD_IC_2_G1 23688	17.93 0.41 -12.58	14.51 0.39 -8.90	13.27 0.30 -8.96	12.26 0.34 -7.71	13.67 0.33 -8.81	19.90 0.40 -14.48	25.93 0.48 -19.34	26.90 0.56 -19.18	25.56 0.70 -16.77	21.48 0.81 -11.87	25.51 0.79 -16.13	25.64 0.54 -19.12	25.95 0.56 -19.42	26.45 0.56 -19.91	27.29 0.53 -20.91	27.88 0.47 -22.31	38.48 0.43 -32.94	44.91 0.51 -38.52	48.14 0.48 -42.01	40.39 1.22 -24.59	36.20 1.52 -16.98	28.87 1.10 -13.31	26.49 1.19 -11.18	24.09 0.70 -15.21
GLENWOOD_IC_3_G1 23689	17.93 0.41 -12.58	14.51 0.39 -8.90	13.27 0.30 -8.96	12.26 0.34 -7.71	13.67 0.33 -8.81	19.90 0.40 -14.48	25.93 0.48 -19.34	26.90 0.56 -19.18	25.56 0.70 -16.77	21.48 0.81 -11.87	25.51 0.79 -16.13	25.64 0.54 -19.12	25.95 0.56 -19.42	26.45 0.56 -19.91	27.29 0.53 -20.91	27.88 0.47 -22.31	38.48 0.43 -32.94	44.91 0.51 -38.52	48.14 0.48 -42.01	40.39 1.22 -24.59	36.20 1.52 -16.98	28.87 1.10 -13.31	26.49 1.19 -11.18	24.09 0.70 -15.21
GLENWOOD___4 23550	17.96 0.44 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	19.93 0.43 -14.48	25.97 0.52 -19.34	26.93 0.59 -19.18	25.60 0.74 -16.77	21.54 0.86 -11.87	25.56 0.84 -16.13	25.68 0.59 -19.12	25.99 0.60 -19.42	26.49 0.60 -19.91	27.32 0.56 -20.91	27.92 0.51 -22.31	38.47 0.43 -32.93	44.90 0.52 -38.50	48.14 0.49 -41.99	40.42 1.25 -24.59	36.26 1.57 -16.99	28.99 1.21 -13.31	26.58 1.27 -11.18	24.15 0.75 -15.21
GLENWOOD___5 23614	17.96 0.44 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	19.93 0.43 -14.48	25.97 0.52 -19.34	26.93 0.59 -19.18	25.60 0.74 -16.77	21.54 0.86 -11.87	25.56 0.84 -16.13	25.68 0.59 -19.12	25.99 0.60 -19.42	26.49 0.60 -19.91	27.32 0.56 -20.91	27.92 0.51 -22.31	38.47 0.43 -32.93	44.90 0.52 -38.50	48.14 0.49 -41.99	40.42 1.25 -24.59	36.26 1.57 -16.99	28.99 1.21 -13.31	26.58 1.27 -11.18	24.15 0.75 -15.21
GLOBAL GREEN_PORT_GT1 23814	18.15 0.63 -12.58	14.69 0.57 -8.90	13.40 0.43 -8.96	12.39 0.46 -7.71	13.81 0.48 -8.81	20.17 0.66 -14.48	26.28 0.82 -19.34	27.34 1.00 -19.18	25.94 1.09 -16.77	21.91 1.23 -11.87	26.05 1.32 -16.13	26.01 0.91 -19.12	26.33 0.94 -19.42	26.85 0.96 -19.91	27.65 0.89 -20.91	28.23 0.81 -22.32	38.74 0.69 -32.94	45.23 0.83 -38.52	48.46 0.80 -42.01	41.28 2.11 -24.59	45.70 2.79 -25.21	29.55 1.78 -13.31	27.26 1.95 -11.18	24.51 1.11 -15.21
GLOBE___DSASP 323697	6.85 -0.12 -2.04	6.59 -0.07 -1.44	5.40 -0.06 -1.45	5.38 -0.08 -1.25	5.87 -0.08 -1.43	6.72 -0.13 -1.82	8.44 -0.15 -2.48	9.97 -0.24 -3.05	9.96 -0.31 -2.18	9.95 -0.33 -1.48	9.95 -0.28 -1.65	7.95 -0.22 -2.20	8.22 -0.24 -2.49	8.40 -0.25 -2.67	8.86 -0.24 -3.25	8.32 -0.24 -3.47	9.97 -0.22 -5.08	11.49 -0.31 -5.92	11.78 -0.37 -6.49	17.31 -1.24 -3.98	18.94 -1.52 -2.77	15.63 -1.00 -2.17	14.51 -0.96 -1.34	9.89 -0.24 -1.94
GOETHSLN___LBMP 323567	17.89 0.37 -12.58	14.48 0.37 -8.90	13.25 0.29 -8.96	12.26 0.34 -7.71	13.65 0.32 -8.80	16.64 0.38 -11.24	22.13 0.43 -15.58	26.85 0.52 -19.17	22.49 0.68 -13.73	18.93 0.79 -9.34	19.73 0.75 -10.40	20.31 0.51 -13.83	22.27 0.53 -15.77	23.53 0.54 -17.02	27.27 0.51 -20.90	27.85 0.44 -22.31	38.46 0.43 -32.92	44.88 0.51 -38.50	48.10 0.47 -41.98	40.30 1.14 -24.59	36.04 1.36 -16.98	28.74 0.97 -13.31	23.44 1.10 -8.21	20.72 0.66 -11.88
GOLAH___69_KV_TB 1_2 80279	6.67 0.07 -1.66	6.49 0.09 -1.17	5.24 0.05 -1.18	5.27 0.04 -1.02	5.75 0.07 -1.16	6.59 0.08 -1.48	8.25 0.09 -2.05	9.77 0.09 -2.53	9.94 0.05 -1.81	10.07 0.04 -1.23	10.03 0.07 -1.37	7.80 0.01 -1.82	8.02 -0.01 -2.06	8.17 -0.02 -2.21	8.52 -0.02 -2.69	7.94 -0.03 -2.87	9.28 -0.02 -4.19	10.71 -0.05 -4.88	10.89 -0.08 -5.32	17.57 -0.26 -3.25	19.65 -0.30 -2.25	16.14 -0.09 -1.77	15.11 -0.11 -1.09	9.91 0.15 -1.58
GOODYEAR_LAKE_HYD 323669	8.09 0.21 -2.94	7.51 0.21 -2.08	6.26 0.16 -2.09	6.19 0.17 -1.80	6.76 0.18 -2.06	7.87 0.22 -2.63	10.06 0.30 -3.65	12.00 0.34 -4.50	11.69 0.39 -3.22	11.38 0.39 -2.19	11.41 0.38 -2.44	9.46 0.24 -3.24	9.89 0.25 -3.67	10.16 0.24 -3.94	10.87 0.24 -4.78	10.42 0.21 -5.10	12.78 0.21 -7.45	14.80 0.25 -8.68	15.33 0.24 -9.44	21.00 0.66 -5.77	22.48 0.80 -3.99	18.26 0.67 -3.13	16.68 0.62 -1.93	11.38 0.39 -2.79
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	8.94 0.09 -3.91	8.09 0.11 -2.76	6.87 0.08 -2.78	6.69 0.08 -2.39	7.35 0.09 -2.73	8.61 0.09 -3.49	11.09 0.13 -4.84	13.26 0.14 -5.96	12.50 0.15 -4.26	11.86 0.16 -2.90	11.96 0.14 -3.23	10.35 0.08 -4.30	10.91 0.08 -4.86	11.27 0.08 -5.22	12.27 0.08 -6.34	11.93 0.07 -6.76	15.06 0.07 -9.89	17.46 0.07 -11.51	18.26 0.06 -12.55	22.36 0.12 -7.67	23.18 0.18 -5.31	18.80 0.17 -4.16	16.87 0.17 -2.57	12.11 0.20 -3.71
GOUDEY___7 23579	8.94 0.09 -3.91	8.10 0.11 -2.76	6.87 0.08 -2.78	6.70 0.08 -2.39	7.35 0.10 -2.73	8.61 0.10 -3.49	11.09 0.14 -4.84	13.27 0.15 -5.96	12.51 0.16 -4.26	11.87 0.17 -2.90	11.97 0.15 -3.23	10.36 0.09 -4.30	10.91 0.08 -4.86	11.28 0.08 -5.22	12.27 0.09 -6.34	11.93 0.07 -6.76	15.07 0.08 -9.89	17.47 0.08 -11.51	18.26 0.06 -12.55	22.38 0.13 -7.67	23.20 0.19 -5.31	18.81 0.19 -4.16	16.88 0.18 -2.57	12.12 0.21 -3.71
GOUDEY___8 23580	8.94 0.09 -3.91	8.09 0.11 -2.76	6.87 0.08 -2.78	6.69 0.08 -2.39	7.35 0.09 -2.73	8.61 0.09 -3.49	11.09 0.13 -4.84	13.26 0.14 -5.96	12.50 0.15 -4.26	11.86 0.16 -2.90	11.96 0.14 -3.23	10.35 0.08 -4.30	10.91 0.08 -4.86	11.27 0.08 -5.22	12.27 0.08 -6.34	11.93 0.07 -6.76	15.06 0.07 -9.89	17.46 0.07 -11.51	18.26 0.06 -12.55	22.36 0.12 -7.67	23.18 0.18 -5.31	18.80 0.17 -4.16	16.87 0.17 -2.57	12.11 0.20 -3.71
GOWANUS_GT1_1 24077	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT1_2 24078	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88

GOWANUS_GT1_3 24079	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT1_4 24080	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT1_5 24084	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT1_6 24111	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT1_7 24112	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT1_8 24113	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_1 24114	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_2 24115	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_3 24116	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_4 24117	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_5 24118	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_6 24119	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_7 24120	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT2_8 24121	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT3_1 24122	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88

GOWANUS_GT3_2 24123	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT3_3 24124	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT3_4 24125	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT3_5 24126	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT3_6 24127	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT3_7 24128	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT3_8 24129	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_1 24130	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_2 24131	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_3 24132	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_4 24133	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_5 24134	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_6 24135	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_7 24136	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
GOWANUS_GT4_8 24137	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88

GREENBSH_115KV_TB3 55895	20.22 0.21 -15.07	16.10 0.22 -10.66	14.91 0.17 -10.73	13.63 0.18 -9.24	15.27 0.19 -10.55	18.71 0.21 -13.47	25.03 0.26 -18.67	30.44 0.30 -22.98	24.86 0.33 -16.45	20.38 0.39 -11.19	21.42 0.37 -12.46	22.80 0.25 -16.58	24.86 0.25 -18.64	26.17 0.24 -19.95	30.14 0.24 -24.05	30.95 0.21 -25.64	42.29 0.21 -36.98	49.04 0.24 -42.93	52.66 0.23 -46.78	44.66 0.60 -29.48	38.87 0.73 -20.46	31.10 0.61 -16.03	24.59 0.58 -9.88	22.84 0.34 -14.31
GREENDGE_115KV_TB5 80291	7.53 0.13 -2.46	7.12 0.17 -1.74	5.88 0.12 -1.75	5.84 0.12 -1.50	6.39 0.15 -1.72	7.37 0.15 -2.19	9.40 0.24 -3.04	11.16 0.25 -3.74	11.02 0.26 -2.68	10.88 0.26 -1.82	10.84 0.21 -2.03	8.80 0.13 -2.70	9.12 0.10 -3.06	9.36 0.11 -3.28	9.94 0.11 -3.99	9.43 0.08 -4.25	11.41 0.09 -6.21	13.22 0.11 -7.23	13.63 0.10 -7.88	19.66 0.26 -4.82	21.40 0.37 -3.34	17.41 0.33 -2.61	16.03 0.28 -1.61	10.83 0.31 -2.33
GREENIDGE___3 23582	7.53 0.13 -2.46	7.12 0.17 -1.74	5.88 0.12 -1.75	5.84 0.12 -1.50	6.39 0.15 -1.72	7.37 0.15 -2.19	9.40 0.24 -3.04	11.16 0.25 -3.74	11.02 0.26 -2.68	10.88 0.26 -1.82	10.84 0.21 -2.03	8.80 0.13 -2.70	9.12 0.10 -3.06	9.36 0.11 -3.28	9.94 0.11 -3.99	9.43 0.08 -4.25	11.41 0.09 -6.21	13.22 0.11 -7.23	13.63 0.10 -7.88	19.66 0.26 -4.82	21.40 0.37 -3.34	17.41 0.33 -2.61	16.03 0.28 -1.61	10.83 0.31 -2.33
GREENIDGE___4 23583	7.52 0.12 -2.46	7.12 0.17 -1.74	5.88 0.12 -1.75	5.84 0.12 -1.50	6.39 0.15 -1.72	7.37 0.15 -2.19	9.40 0.24 -3.04	11.16 0.25 -3.74	11.01 0.25 -2.68	10.88 0.26 -1.82	10.84 0.21 -2.03	8.80 0.13 -2.70	9.12 0.10 -3.06	9.36 0.11 -3.28	9.94 0.11 -3.99	9.43 0.08 -4.25	11.42 0.10 -6.21	13.22 0.11 -7.23	13.63 0.10 -7.88	19.66 0.26 -4.82	21.40 0.37 -3.34	17.47 0.39 -2.61	16.03 0.28 -1.61	10.79 0.27 -2.33
GREENLWN_69_KV_BK 3 55738	18.04 0.52 -12.58	14.61 0.49 -8.90	13.33 0.37 -8.96	12.33 0.40 -7.71	13.74 0.41 -8.81	20.02 0.51 -14.48	26.07 0.62 -19.34	27.03 0.69 -19.18	25.72 0.86 -16.77	21.68 1.00 -11.87	25.70 0.98 -16.13	25.77 0.67 -19.12	26.08 0.69 -19.43	26.55 0.66 -19.91	27.30 0.55 -20.90	27.91 0.50 -22.31	38.44 0.41 -32.93	44.89 0.51 -38.50	48.14 0.49 -41.99	40.52 1.36 -24.59	33.33 1.52 -14.11	29.07 1.30 -13.31	26.80 1.48 -11.18	24.29 0.89 -15.21
GREENWD_138_KV_38B11_REV_LBMP_J 345004	17.95 0.43 -12.59	14.54 0.42 -8.91	13.29 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.58	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.90	27.91 0.49 -22.31	38.55 0.52 -32.93	44.98 0.59 -38.51	67.99 0.99 -61.79	40.51 1.34 -24.59	36.29 1.61 -16.98	28.82 1.06 -13.31	23.52 1.19 -8.21	20.81 0.74 -11.88
GRISSOM___SOLAR 323813	23.01 0.39 -17.68	18.19 0.46 -12.51	16.95 0.36 -12.59	15.43 0.37 -10.84	17.32 0.42 -12.38	21.34 0.51 -15.80	28.72 0.70 -21.91	34.76 0.64 -26.96	28.17 0.79 -19.30	22.74 0.79 -13.14	23.88 0.65 -14.64	25.94 0.49 -19.47	28.42 0.49 -21.96	29.98 0.47 -23.53	34.77 0.46 -28.46	35.87 0.42 -30.35	49.57 0.45 -44.01	57.62 0.58 -51.16	61.96 0.56 -55.75	50.80 1.56 -34.66	43.58 1.86 -24.03	34.98 1.69 -18.83	27.23 1.48 -11.61	25.85 0.85 -16.81
GROVEVILLE___HYD 323602	17.78 0.36 -12.49	14.42 0.36 -8.84	13.18 0.28 -8.90	12.18 0.31 -7.65	13.58 0.31 -8.74	16.54 0.35 -11.16	22.02 0.43 -15.47	26.71 0.51 -19.04	22.33 0.61 -13.63	18.74 0.67 -9.27	19.55 0.64 -10.32	20.15 0.44 -13.73	22.06 0.45 -15.64	23.30 0.46 -16.86	26.98 0.46 -20.67	27.56 0.40 -22.06	38.17 0.40 -32.66	44.49 0.45 -38.17	47.70 0.43 -41.62	40.25 1.12 -24.55	36.04 1.38 -16.96	28.79 1.04 -13.29	23.40 1.07 -8.20	20.69 0.64 -11.87
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	6.38 0.00 -1.44	6.25 0.02 -1.02	5.04 0.01 -1.03	5.10 0.00 -0.88	5.55 0.01 -1.01	6.32 0.01 -1.29	7.93 0.03 -1.79	9.39 0.04 -2.20	9.69 0.03 -1.57	9.90 0.03 -1.07	9.80 0.02 -1.19	7.55 -0.01 -1.58	7.75 -0.01 -1.79	7.89 -0.01 -1.92	8.18 -0.01 -2.34	7.59 -0.01 -2.49	8.74 -0.01 -3.65	10.10 -0.02 -4.25	10.25 -0.03 -4.63	17.35 -0.06 -2.83	19.60 -0.05 -1.96	15.98 -0.01 -1.53	15.05 -0.03 -0.95	9.61 0.05 -1.37
HAMLTNNY_34_KV_TB 80303	6.47 0.02 -1.52	6.32 0.03 -1.07	5.10 0.02 -1.08	5.16 0.01 -0.93	5.61 0.02 -1.06	6.40 0.02 -1.36	8.05 0.06 -1.88	9.55 0.07 -2.31	9.79 0.06 -1.66	9.98 0.05 -1.13	9.90 0.05 -1.25	7.66 0.02 -1.67	7.87 0.01 -1.89	8.02 0.02 -2.03	8.33 0.02 -2.46	7.73 0.01 -2.63	8.96 0.01 -3.84	10.35 0.00 -4.47	10.51 -0.01 -4.87	17.54 -0.01 -2.98	19.76 0.00 -2.06	16.11 0.03 -1.62	15.11 -0.01 -1.00	9.70 0.07 -1.44
HAMPSHIRE___PAPER_HYD 323593	3.55 -0.25 1.14	3.39 -0.27 1.57	3.02 -0.20 0.78	2.82 -0.20 1.20	2.97 -0.23 1.33	3.39 -0.24 1.40	3.86 -0.27 1.97	4.79 -0.34 2.04	5.04 -0.40 2.63	5.18 -0.48 3.13	5.07 -0.48 3.04	3.84 -0.34 1.79	4.13 -0.33 1.51	3.94 -0.33 1.70	4.27 -0.32 1.26	5.53 -0.27 -0.69	5.89 -0.23 -1.01	6.81 -0.24 -1.18	6.74 -0.20 -1.28	14.94 -0.42 -0.78	17.71 -0.53 -0.54	14.45 -0.43 -0.43	13.94 -0.45 -0.26	8.25 -0.32 -0.38
HARDSCRABBLE_WT_PWR 323673	4.96 -0.12 -0.14	5.24 -0.13 -0.15	4.00 -0.10 -0.10	4.25 -0.10 -0.12	4.56 -0.10 -0.14	5.08 -0.10 -0.15	6.21 -0.10 -0.20	7.24 -0.14 -0.22	8.24 -0.11 -0.26	8.95 -0.14 -0.29	8.68 -0.20 -0.28	6.00 -0.16 -0.18	5.98 -0.17 -0.18	5.97 -0.19 -0.18	5.81 -0.19 -0.15	4.93 -0.17 0.00	4.93 -0.17 0.00	5.68 -0.19 0.00	5.47 -0.18 0.00	14.18 -0.39 0.00	17.30 -0.39 0.00	14.29 -0.17 0.00	13.96 -0.17 0.00	8.09 -0.10 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	17.05 0.34 -11.77	13.90 0.35 -8.33	12.66 0.27 -8.38	11.73 0.30 -7.21	13.07 0.30 -8.24	15.89 0.35 -10.52	21.13 0.43 -14.59	25.61 0.50 -17.95	21.55 0.62 -12.85	18.22 0.68 -8.74	18.96 0.64 -9.73	19.36 0.44 -12.94	21.17 0.45 -14.76	22.35 0.45 -15.92	25.85 0.46 -19.54	26.36 0.40 -20.86	36.45 0.40 -30.94	42.49 0.44 -36.18	45.53 0.42 -39.45	38.82 1.09 -23.15	35.01 1.33 -15.99	27.99 1.00 -12.53	22.90 1.05 -7.73	20.00 0.62 -11.19
HARSNRAD_115KV_TB1 81005	6.94 -0.01 -2.02	6.68 0.03 -1.43	5.46 0.02 -1.44	5.45 -0.01 -1.24	5.94 0.00 -1.41	6.80 -0.04 -1.80	8.54 -0.06 -2.49	10.08 -0.14 -3.06	10.09 -0.18 -2.19	10.10 -0.19 -1.49	10.10 -0.15 -1.66	8.05 -0.14 -2.21	8.31 -0.16 -2.50	8.49 -0.17 -2.68	8.94 -0.17 -3.26	8.41 -0.18 -3.49	10.04 -0.17 -5.10	11.58 -0.23 -5.94	11.84 -0.29 -6.48	17.54 -0.99 -3.96	19.25 -1.19 -2.74	15.83 -0.78 -2.15	14.75 -0.71 -1.33	10.08 -0.02 -1.92
HARZA MOOSE___RIVER 24016	5.06 -0.06 -0.19	5.12 -0.06 0.04	4.11 -0.04 -0.14	4.19 -0.03 -0.01	4.49 -0.05 -0.02	5.08 -0.04 -0.08	6.20 -0.01 -0.10	7.34 -0.04 -0.21	7.94 -0.04 0.10	8.34 -0.11 0.35	8.17 -0.12 0.30	5.94 -0.11 -0.07	6.08 -0.10 -0.21	6.07 -0.10 -0.19	6.16 -0.10 -0.41	5.91 -0.07 -0.88	6.36 -0.04 -1.28	7.35 -0.02 -1.50	7.28 0.00 -1.63	15.69 0.12 -1.00	18.53 0.14 -0.69	15.09 0.09 -0.54	14.56 0.10 -0.33	8.71 0.04 -0.48

HDSNBRDG_115KV_BRDG_TB1 355580	6.24 -0.02 -1.32	6.14 -0.01 -0.93	4.93 -0.01 -0.94	5.01 -0.02 -0.81	5.44 -0.01 -0.92	6.19 -0.02 -1.18	7.75 0.01 -1.63	9.17 0.00 -2.01	9.51 -0.01 -1.44	9.77 -0.01 -0.98	9.66 -0.02 -1.09	7.39 -0.03 -1.45	7.57 -0.04 -1.64	7.70 -0.03 -1.76	7.96 -0.03 -2.14	7.35 -0.03 -2.28	8.41 -0.03 -3.33	9.72 -0.04 -3.88	9.83 -0.05 -4.23	17.03 -0.13 -2.59	19.34 -0.14 -1.79	15.76 -0.10 -1.40	14.88 -0.11 -0.87	9.45 0.01 -1.25
HELLGATE_13_KV_LD 55870	17.94 0.41 -12.59	14.54 0.41 -8.91	13.29 0.32 -8.97	12.30 0.36 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.58	26.87 0.53 -19.18	22.50 0.70 -13.73	18.93 0.79 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.30 0.54 -20.90	27.88 0.47 -22.31	38.52 0.48 -32.93	44.93 0.55 -38.51	50.04 0.51 -43.88	40.40 1.24 -24.59	36.16 1.49 -16.98	28.77 1.00 -13.31	23.45 1.12 -8.21	20.77 0.70 -11.88
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	17.94 0.41 -12.59	14.54 0.41 -8.91	13.29 0.32 -8.97	12.30 0.36 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.58	26.87 0.53 -19.18	22.50 0.70 -13.73	18.93 0.79 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.30 0.54 -20.90	27.88 0.47 -22.31	38.52 0.48 -32.93	44.93 0.55 -38.51	50.04 0.51 -43.88	40.40 1.24 -24.59	36.16 1.49 -16.98	28.77 1.00 -13.31	23.45 1.12 -8.21	20.77 0.70 -11.88
HEMPSTEAD____ 23647	17.97 0.45 -12.58	14.53 0.41 -8.90	13.28 0.31 -8.96	12.27 0.35 -7.71	13.68 0.35 -8.81	19.94 0.43 -14.48	25.97 0.52 -19.34	26.93 0.59 -19.18	25.59 0.74 -16.77	21.54 0.86 -11.87	25.57 0.84 -16.13	25.68 0.58 -19.12	25.98 0.59 -19.42	26.48 0.60 -19.91	27.29 0.54 -20.91	27.90 0.49 -22.31	38.46 0.41 -32.94	44.90 0.50 -38.52	48.14 0.48 -42.01	40.42 1.25 -24.59	36.29 1.61 -16.98	28.90 1.13 -13.31	26.58 1.27 -11.18	24.14 0.75 -15.21
HEWLETT__69_KV_BK3 55828	18.01 0.49 -12.58	14.58 0.46 -8.90	13.32 0.36 -8.96	12.32 0.39 -7.71	13.72 0.39 -8.81	19.99 0.49 -14.48	26.04 0.59 -19.34	26.97 0.63 -19.18	25.67 0.82 -16.77	21.63 0.95 -11.87	25.63 0.90 -16.13	25.72 0.62 -19.12	26.02 0.63 -19.42	26.52 0.63 -19.91	27.33 0.57 -20.91	27.94 0.53 -22.31	38.43 0.40 -32.93	44.87 0.49 -38.50	48.11 0.47 -41.99	40.41 1.24 -24.59	36.27 1.59 -16.99	29.09 1.32 -13.31	26.72 1.41 -11.18	24.24 0.84 -15.21
HICKLING___1 23621	8.23 0.14 -3.14	7.61 0.16 -2.22	6.37 0.13 -2.24	6.27 0.12 -1.93	6.87 0.14 -2.20	7.97 0.13 -2.81	10.21 0.20 -3.90	12.19 0.23 -4.80	11.73 0.22 -3.43	11.37 0.23 -2.34	11.42 0.22 -2.60	9.57 0.13 -3.46	9.99 0.11 -3.91	10.30 0.12 -4.20	11.07 0.12 -5.11	10.64 0.09 -5.44	13.16 0.10 -7.96	15.25 0.11 -9.26	15.82 0.07 -10.10	20.89 0.15 -6.17	22.20 0.23 -4.27	18.06 0.25 -3.35	16.39 0.20 -2.06	11.49 0.31 -2.99
HICKLING___2 23622	8.23 0.14 -3.14	7.61 0.16 -2.22	6.37 0.13 -2.24	6.27 0.12 -1.93	6.87 0.14 -2.20	7.97 0.13 -2.81	10.21 0.20 -3.90	12.19 0.23 -4.80	11.73 0.22 -3.43	11.37 0.23 -2.34	11.42 0.22 -2.60	9.57 0.13 -3.46	9.99 0.11 -3.91	10.30 0.12 -4.20	11.07 0.12 -5.11	10.64 0.09 -5.44	13.16 0.10 -7.96	15.25 0.11 -9.26	15.82 0.07 -10.10	20.89 0.15 -6.17	22.20 0.23 -4.27	18.06 0.25 -3.35	16.39 0.20 -2.06	11.49 0.31 -2.99
HIGH FALLS___HY 23754	17.27 0.34 -12.00	14.06 0.35 -8.49	12.82 0.27 -8.54	11.88 0.31 -7.35	13.22 0.30 -8.40	16.09 0.34 -10.72	21.40 0.43 -14.86	25.93 0.49 -18.29	21.79 0.61 -13.09	18.36 0.65 -8.90	19.11 0.60 -9.91	19.57 0.41 -13.19	21.38 0.42 -14.99	22.56 0.44 -16.14	25.99 0.40 -19.74	26.52 0.36 -21.06	36.57 0.36 -31.10	42.58 0.40 -36.30	45.63 0.39 -39.59	39.18 1.02 -23.58	35.38 1.38 -16.31	28.24 1.00 -12.78	23.13 1.12 -7.88	20.26 0.66 -11.41
HILLBURN___GT 23639	17.31 0.35 -12.03	14.09 0.36 -8.51	12.85 0.28 -8.57	11.89 0.30 -7.37	13.25 0.30 -8.42	16.12 0.35 -10.75	21.45 0.43 -14.91	25.99 0.49 -18.34	21.85 0.64 -13.13	18.45 0.71 -8.93	19.20 0.66 -9.95	19.67 0.46 -13.23	21.53 0.47 -15.09	22.73 0.48 -16.28	26.30 0.47 -19.99	26.84 0.41 -21.33	36.98 0.40 -31.47	43.13 0.46 -36.80	46.22 0.44 -40.13	39.18 1.08 -23.52	35.25 1.31 -16.25	28.19 1.00 -12.73	23.03 1.05 -7.85	20.17 0.61 -11.37
HILLSIDE_115KV_TB1 80332	8.24 0.07 -3.24	7.61 0.10 -2.29	6.39 0.08 -2.31	6.27 0.07 -1.98	6.87 0.08 -2.27	7.99 0.07 -2.89	10.24 0.12 -4.01	12.21 0.11 -4.94	11.73 0.11 -3.54	11.32 0.11 -2.40	11.36 0.09 -2.68	9.58 0.05 -3.56	10.03 0.03 -4.03	10.34 0.04 -4.33	11.14 0.04 -5.26	10.73 0.02 -5.60	13.33 0.03 -8.19	15.44 0.02 -9.54	16.04 -0.01 -10.40	20.86 -0.07 -6.35	22.06 -0.04 -4.40	17.94 0.03 -3.45	16.27 0.01 -2.13	11.45 0.19 -3.08
HISHELDN_WT_PWR 323625	7.25 -0.05 -2.36	6.89 0.00 -1.67	5.70 0.01 -1.68	5.65 -0.02 -1.45	6.17 -0.01 -1.65	7.10 -0.05 -2.11	9.00 -0.04 -2.93	10.67 -0.09 -3.60	10.53 -0.13 -2.58	10.41 -0.15 -1.76	10.42 -0.13 -1.96	8.45 -0.13 -2.60	8.76 -0.15 -2.95	8.98 -0.16 -3.16	9.54 -0.15 -3.84	9.04 -0.16 -4.10	10.94 -0.14 -5.98	12.66 -0.18 -6.96	13.02 -0.23 -7.59	18.47 -0.74 -4.64	20.08 -0.83 -3.21	16.49 -0.49 -2.52	15.18 -0.51 -1.55	10.41 -0.02 -2.25
HOLTSVILLE_IC_1 23690	18.01 0.49 -12.58	14.55 0.43 -8.90	13.29 0.32 -8.96	12.28 0.35 -7.71	13.69 0.36 -8.81	19.99 0.49 -14.48	26.04 0.59 -19.34	27.01 0.67 -19.18	25.67 0.82 -16.77	21.63 0.95 -11.87	25.67 0.95 -16.13	25.74 0.64 -19.12	26.05 0.66 -19.42	26.55 0.67 -19.91	27.34 0.58 -20.91	27.95 0.54 -22.32	38.49 0.44 -32.94	44.95 0.55 -38.52	48.19 0.53 -42.01	40.58 1.41 -24.59	44.75 1.91 -25.14	28.97 1.20 -13.31	26.72 1.41 -11.18	24.23 0.83 -15.21
HOLTSVILLE_IC_10 23699	18.04 0.52 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.08 0.63 -19.34	27.06 0.72 -19.18	25.72 0.87 -16.77	21.68 1.00 -11.87	25.74 1.01 -16.13	25.78 0.69 -19.12	26.10 0.71 -19.42	26.61 0.72 -19.91	27.40 0.64 -20.91	28.00 0.58 -22.32	38.54 0.49 -32.94	45.00 0.61 -38.52	48.25 0.59 -42.01	40.73 1.56 -24.59	45.25 2.07 -25.49	29.09 1.32 -13.31	26.82 1.51 -11.18	24.28 0.88 -15.21
HOLTSVILLE_IC_2 23691	18.01 0.49 -12.58	14.55 0.43 -8.90	13.29 0.32 -8.96	12.28 0.35 -7.71	13.69 0.36 -8.81	19.99 0.49 -14.48	26.04 0.59 -19.34	27.01 0.67 -19.18	25.67 0.82 -16.77	21.63 0.95 -11.87	25.67 0.95 -16.13	25.74 0.64 -19.12	26.05 0.66 -19.42	26.55 0.67 -19.91	27.34 0.58 -20.91	27.95 0.54 -22.32	38.49 0.44 -32.94	44.95 0.55 -38.52	48.19 0.53 -42.01	40.58 1.41 -24.59	44.75 1.91 -25.14	28.97 1.20 -13.31	26.72 1.41 -11.18	24.23 0.83 -15.21
HOLTSVILLE_IC_3 23692	18.01 0.49 -12.58	14.55 0.43 -8.90	13.29 0.32 -8.96	12.28 0.35 -7.71	13.69 0.36 -8.81	19.99 0.49 -14.48	26.04 0.59 -19.34	27.01 0.67 -19.18	25.67 0.82 -16.77	21.63 0.95 -11.87	25.67 0.95 -16.13	25.74 0.64 -19.12	26.05 0.66 -19.42	26.55 0.67 -19.91	27.34 0.58 -20.91	27.95 0.54 -22.32	38.49 0.44 -32.94	44.95 0.55 -38.52	48.19 0.53 -42.01	40.58 1.41 -24.59	44.75 1.91 -25.14	28.97 1.20 -13.31	26.72 1.41 -11.18	24.23 0.83 -15.21

HOLTSVILLE_IC_4 23693	18.01 0.49 -12.58	14.55 0.43 -8.90	13.29 0.32 -8.96	12.28 0.35 -7.71	13.69 0.36 -8.81	19.99 0.49 -14.48	26.04 0.59 -19.34	27.01 0.67 -19.18	25.67 0.82 -16.77	21.63 0.95 -11.87	25.67 0.95 -16.13	25.74 0.64 -19.12	26.05 0.66 -19.42	26.55 0.67 -19.91	27.34 0.58 -20.91	27.95 0.54 -22.32	38.49 0.44 -32.94	44.95 0.55 -38.52	48.19 0.53 -42.01	40.58 1.41 -24.59	44.75 1.91 -25.14	28.97 1.20 -13.31	26.72 1.41 -11.18	24.23 0.83 -15.21
HOLTSVILLE_IC_5 23694	18.01 0.49 -12.58	14.55 0.43 -8.90	13.29 0.32 -8.96	12.28 0.35 -7.71	13.69 0.36 -8.81	19.99 0.49 -14.48	26.04 0.59 -19.34	27.01 0.67 -19.18	25.67 0.82 -16.77	21.63 0.95 -11.87	25.67 0.95 -16.13	25.74 0.64 -19.12	26.05 0.66 -19.42	26.55 0.67 -19.91	27.34 0.58 -20.91	27.95 0.54 -22.32	38.49 0.44 -32.94	44.95 0.55 -38.52	48.19 0.53 -42.01	40.58 1.41 -24.59	44.75 1.91 -25.14	28.97 1.20 -13.31	26.72 1.41 -11.18	24.23 0.83 -15.21
HOLTSVILLE_IC_6 23695	18.04 0.52 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.08 0.63 -19.34	27.06 0.72 -19.18	25.72 0.87 -16.77	21.68 1.00 -11.87	25.74 1.01 -16.13	25.78 0.69 -19.12	26.10 0.71 -19.42	26.61 0.72 -19.91	27.40 0.64 -20.91	28.00 0.58 -22.32	38.54 0.49 -32.94	45.00 0.61 -38.52	48.25 0.59 -42.01	40.73 1.56 -24.59	45.25 2.07 -25.49	29.09 1.32 -13.31	26.82 1.51 -11.18	24.28 0.88 -15.21
HOLTSVILLE_IC_7 23696	18.04 0.52 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.08 0.63 -19.34	27.06 0.72 -19.18	25.72 0.87 -16.77	21.68 1.00 -11.87	25.74 1.01 -16.13	25.78 0.69 -19.12	26.10 0.71 -19.42	26.61 0.72 -19.91	27.40 0.64 -20.91	28.00 0.58 -22.32	38.54 0.49 -32.94	45.00 0.61 -38.52	48.25 0.59 -42.01	40.73 1.56 -24.59	45.25 2.07 -25.49	29.09 1.32 -13.31	26.82 1.51 -11.18	24.28 0.88 -15.21
HOLTSVILLE_IC_8 23697	18.04 0.52 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.08 0.63 -19.34	27.06 0.72 -19.18	25.72 0.87 -16.77	21.68 1.00 -11.87	25.74 1.01 -16.13	25.78 0.69 -19.12	26.10 0.71 -19.42	26.61 0.72 -19.91	27.40 0.64 -20.91	28.00 0.58 -22.32	38.54 0.49 -32.94	45.00 0.61 -38.52	48.25 0.59 -42.01	40.73 1.56 -24.59	45.25 2.07 -25.49	29.09 1.32 -13.31	26.82 1.51 -11.18	24.28 0.88 -15.21
HOLTSVILLE_IC_9 23698	18.04 0.52 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.08 0.63 -19.34	27.06 0.72 -19.18	25.72 0.87 -16.77	21.68 1.00 -11.87	25.74 1.01 -16.13	25.78 0.69 -19.12	26.10 0.71 -19.42	26.61 0.72 -19.91	27.40 0.64 -20.91	28.00 0.58 -22.32	38.54 0.49 -32.94	45.00 0.61 -38.52	48.25 0.59 -42.01	40.73 1.56 -24.59	45.25 2.07 -25.49	29.09 1.32 -13.31	26.82 1.51 -11.18	24.28 0.88 -15.21
HOMER_HL_115KV_TB2 355744	7.37 0.00 -2.43	6.98 0.04 -1.72	5.76 0.02 -1.73	5.71 0.00 -1.49	6.24 0.01 -1.70	7.18 -0.02 -2.17	9.14 0.01 -3.02	10.87 -0.01 -3.72	10.71 -0.03 -2.66	10.58 -0.04 -1.81	10.57 -0.03 -2.01	8.60 -0.05 -2.68	8.92 -0.08 -3.03	9.15 -0.08 -3.26	9.72 -0.08 -3.96	9.20 -0.11 -4.21	11.16 -0.09 -6.15	12.91 -0.13 -7.16	13.29 -0.16 -7.81	18.81 -0.54 -4.77	20.47 -0.53 -3.30	16.72 -0.33 -2.59	15.39 -0.34 -1.60	10.58 0.08 -2.31
HOWARD_WT_PWR 323690	7.68 0.22 -2.53	7.28 0.27 -1.79	6.01 0.20 -1.80	5.96 0.19 -1.55	6.53 0.23 -1.77	7.53 0.25 -2.26	9.62 0.38 -3.13	11.41 0.39 -3.85	11.24 0.40 -2.76	11.08 0.40 -1.88	11.04 0.35 -2.09	8.97 0.21 -2.78	9.28 0.17 -3.15	9.52 0.16 -3.38	10.10 0.15 -4.11	9.60 0.12 -4.38	11.63 0.13 -6.40	13.49 0.16 -7.45	13.93 0.16 -8.12	20.05 0.51 -4.96	21.91 0.78 -3.44	17.89 0.74 -2.69	16.38 0.59 -1.66	11.07 0.48 -2.40
HQ_GEN_CEDARS 23644	1.82 -0.19 2.93	1.73 -0.20 3.29	1.76 -0.16 2.09	1.35 -0.16 2.70	1.36 -0.18 2.99	1.50 -0.19 3.34	1.38 -0.24 4.49	1.97 -0.28 4.91	2.04 -0.32 5.72	2.08 -0.36 6.36	2.03 -0.35 6.21	1.76 -0.23 3.98	1.91 -0.23 3.82	1.77 -0.23 3.97	2.22 -0.23 3.39	4.91 -0.19 0.00	4.91 -0.19 0.00	5.68 -0.20 0.00	5.48 -0.17 0.00	14.16 -0.42 0.00	17.13 -0.57 0.00	13.96 -0.51 0.00	13.65 -0.48 0.00	7.83 -0.36 0.00
HQ_GEN_CEDARS_PROXY 323590	1.82 -0.19 2.93	1.73 -0.20 3.29	1.76 -0.16 2.09	1.35 -0.16 2.70	1.36 -0.18 2.99	1.50 -0.19 3.34	1.38 -0.24 4.49	1.97 -0.28 4.91	2.05 -0.32 5.71	2.22 -0.36 6.22	1.92 -0.35 6.32	1.77 -0.23 3.97	1.92 -0.23 3.82	1.77 -0.23 3.97	2.23 -0.23 3.39	4.91 -0.19 0.00	4.91 -0.19 0.00	5.68 -0.20 0.00	5.48 -0.17 0.00	14.15 -0.42 0.00	17.03 -0.57 0.10	14.05 -0.51 -0.10	13.65 -0.48 0.00	7.85 -0.34 0.00
HQ_GEN_IMPORT 323601	4.18 -0.10 0.65	4.41 -0.11 0.70	3.45 -0.08 0.47	3.53 -0.09 0.60	3.77 -0.10 0.66	4.18 -0.11 0.74	5.00 -0.14 0.97	5.93 -0.16 1.07	6.65 -0.19 1.25	7.34 -0.20 1.26	6.92 -0.20 1.47	5.00 -0.13 0.85	5.00 -0.12 0.85	5.00 -0.13 0.85	5.00 -0.12 0.72	5.00 -0.10 0.00	5.00 -0.11 0.00	5.76 -0.12 0.00	5.55 -0.10 0.00	14.32 -0.26 0.00	17.26 -0.34 0.10	14.27 -0.29 -0.10	13.85 -0.28 0.00	8.00 -0.19 0.00
HQ_GEN_WHEEL 23651	4.18 -0.10 0.65	4.41 -0.11 0.70	3.45 -0.08 0.47	3.53 -0.09 0.60	3.77 -0.10 0.66	4.18 -0.11 0.74	5.00 -0.14 0.97	5.93 -0.16 1.07	6.65 -0.19 1.25	7.34 -0.20 1.26	6.92 -0.20 1.47	5.00 -0.13 0.85	5.00 -0.12 0.85	5.00 -0.13 0.85	5.00 -0.12 0.72	5.00 -0.10 0.00	5.00 -0.11 0.00	5.76 -0.12 0.00	5.55 -0.10 0.00	14.32 -0.26 0.00	17.26 -0.34 0.10	14.27 -0.29 -0.10	13.85 -0.28 0.00	8.00 -0.19 0.00
HUDSON_AVE_GT_3 23810	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.89 0.55 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.30 0.54 -20.91	27.88 0.46 -22.31	38.51 0.47 -32.93	44.93 0.54 -38.51	48.16 0.50 -42.00	40.39 1.22 -24.58	36.16 1.49 -16.98	28.79 1.03 -13.31	23.48 1.14 -8.21	20.75 0.68 -11.88
HUDSON_AVE_GT_4 23540	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.89 0.55 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.30 0.54 -20.91	27.88 0.46 -22.31	38.51 0.47 -32.93	44.93 0.54 -38.51	48.16 0.50 -42.00	40.39 1.22 -24.58	36.16 1.49 -16.98	28.79 1.03 -13.31	23.48 1.14 -8.21	20.75 0.68 -11.88
HUDSON_AVE_GT_5 23657	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.35 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.89 0.55 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.30 0.54 -20.91	27.88 0.46 -22.31	38.51 0.47 -32.93	44.93 0.54 -38.51	48.16 0.50 -42.00	40.39 1.22 -24.58	36.16 1.49 -16.98	28.79 1.03 -13.31	23.48 1.14 -8.21	20.75 0.68 -11.88

HUDSON_AVE_10 24168	17.90 0.39 -12.58	14.49 0.38 -8.90	13.25 0.29 -8.96	12.26 0.34 -7.71	13.65 0.32 -8.80	16.64 0.37 -11.24	22.14 0.45 -15.58	26.87 0.54 -19.17	22.50 0.70 -13.73	18.92 0.78 -9.34	19.73 0.75 -10.40	20.32 0.52 -13.83	22.27 0.53 -15.77	23.53 0.54 -17.02	27.28 0.53 -20.90	27.86 0.45 -22.31	38.48 0.45 -32.92	44.90 0.52 -38.50	48.13 0.49 -41.98	40.36 1.20 -24.59	36.11 1.43 -16.98	28.77 1.00 -13.31	23.47 1.13 -8.21	20.74 0.67 -11.88
HUDSON___115KV_TB 4 355613	19.86 0.24 -14.68	15.85 0.25 -10.38	14.65 0.20 -10.45	13.41 0.20 -9.00	15.02 0.22 -10.27	18.40 0.25 -13.11	24.61 0.32 -18.17	29.90 0.37 -22.37	24.47 0.38 -16.01	20.10 0.40 -10.89	21.11 0.39 -12.13	22.38 0.27 -16.13	24.41 0.26 -18.18	25.71 0.26 -19.48	29.66 0.26 -23.55	30.44 0.23 -25.10	41.71 0.23 -36.37	48.41 0.27 -42.26	52.00 0.27 -46.07	44.07 0.76 -28.73	38.53 0.92 -19.92	30.84 0.77 -15.61	24.45 0.69 -9.63	22.53 0.41 -13.94
HUNTER MOUNT___DRP 323613	19.41 0.23 -14.25	15.53 0.23 -10.08	14.33 0.18 -10.15	13.13 0.18 -8.73	14.71 0.21 -9.97	17.99 0.24 -12.73	24.07 0.32 -17.64	29.24 0.37 -21.71	23.98 0.36 -15.54	19.72 0.35 -10.57	20.70 0.34 -11.77	21.87 0.24 -15.66	23.87 0.23 -17.67	25.15 0.22 -18.95	29.04 0.23 -22.96	29.79 0.21 -24.48	40.91 0.21 -35.59	47.51 0.24 -41.40	51.04 0.24 -45.14	43.22 0.74 -27.90	37.93 0.90 -19.34	30.38 0.77 -15.15	24.12 0.65 -9.34	22.10 0.38 -13.53
HUNTINGTON_RES_REC 323705	18.05 0.53 -12.58	14.58 0.46 -8.90	13.32 0.36 -8.96	12.32 0.39 -7.71	13.72 0.39 -8.81	20.01 0.51 -14.48	26.07 0.62 -19.34	27.05 0.71 -19.18	25.71 0.86 -16.77	21.67 0.99 -11.87	25.72 1.00 -16.13	25.78 0.69 -19.12	26.10 0.70 -19.43	26.58 0.69 -19.91	27.34 0.59 -20.90	27.96 0.55 -22.31	38.50 0.45 -32.94	44.95 0.55 -38.52	48.20 0.54 -42.01	40.63 1.47 -24.58	34.26 1.81 -14.76	29.05 1.29 -13.30	26.82 1.51 -11.18	24.28 0.88 -15.21
HUNTLEY___63 23557	7.02 0.00 -2.08	6.74 0.05 -1.47	5.52 0.03 -1.48	5.50 0.01 -1.27	6.00 0.02 -1.46	6.87 -0.02 -1.86	8.60 -0.02 -2.52	10.17 -0.09 -3.10	10.18 -0.12 -2.22	10.19 -0.12 -1.51	10.18 -0.09 -1.68	8.11 -0.10 -2.24	8.39 -0.11 -2.53	8.57 -0.12 -2.72	9.03 -0.12 -3.31	8.54 -0.14 -3.58	10.21 -0.13 -5.23	11.78 -0.19 -6.09	12.06 -0.25 -6.65	17.76 -0.89 -4.07	19.49 -1.03 -2.83	16.01 -0.67 -2.21	14.90 -0.59 -1.37	10.20 0.03 -1.98
HUNTLEY___64 23558	7.02 0.00 -2.08	6.74 0.05 -1.47	5.52 0.03 -1.48	5.50 0.01 -1.27	6.00 0.02 -1.46	6.87 -0.02 -1.86	8.60 -0.02 -2.52	10.17 -0.09 -3.10	10.18 -0.12 -2.22	10.19 -0.12 -1.51	10.18 -0.09 -1.68	8.11 -0.10 -2.24	8.39 -0.11 -2.53	8.57 -0.12 -2.72	9.03 -0.12 -3.31	8.54 -0.14 -3.58	10.21 -0.13 -5.23	11.78 -0.19 -6.09	12.06 -0.25 -6.65	17.76 -0.89 -4.07	19.49 -1.03 -2.83	16.01 -0.67 -2.21	14.90 -0.59 -1.37	10.20 0.03 -1.98
HUNTLEY___65 23559	7.02 0.00 -2.08	6.74 0.05 -1.47	5.52 0.03 -1.48	5.50 0.01 -1.27	6.00 0.02 -1.46	6.87 -0.02 -1.86	8.60 -0.02 -2.52	10.17 -0.09 -3.10	10.18 -0.12 -2.22	10.19 -0.12 -1.51	10.18 -0.09 -1.68	8.11 -0.10 -2.24	8.39 -0.11 -2.53	8.57 -0.12 -2.72	9.03 -0.12 -3.31	8.54 -0.14 -3.58	10.21 -0.13 -5.23	11.78 -0.19 -6.09	12.06 -0.25 -6.65	17.76 -0.89 -4.07	19.49 -1.03 -2.83	16.01 -0.67 -2.21	14.90 -0.59 -1.37	10.20 0.03 -1.98
HUNTLEY___66 23560	7.02 0.00 -2.08	6.74 0.05 -1.47	5.52 0.03 -1.48	5.50 0.01 -1.27	6.00 0.02 -1.46	6.87 -0.02 -1.86	8.60 -0.02 -2.52	10.17 -0.09 -3.10	10.18 -0.12 -2.22	10.19 -0.12 -1.51	10.18 -0.09 -1.68	8.11 -0.10 -2.24	8.39 -0.11 -2.53	8.57 -0.12 -2.72	9.03 -0.12 -3.31	8.54 -0.14 -3.58	10.21 -0.13 -5.23	11.78 -0.19 -6.09	12.06 -0.25 -6.65	17.76 -0.89 -4.07	19.49 -1.03 -2.83	16.01 -0.67 -2.21	14.90 -0.59 -1.37	10.20 0.03 -1.98
HUNTLEY___67 23561	7.04 -0.01 -2.11	6.74 0.03 -1.49	5.52 0.02 -1.50	5.50 -0.01 -1.29	6.01 0.00 -1.48	6.88 -0.04 -1.89	8.69 -0.04 -2.62	10.28 -0.11 -3.22	10.25 -0.14 -2.31	10.23 -0.14 -1.57	10.23 -0.11 -1.75	8.19 -0.11 -2.32	8.47 -0.13 -2.63	8.66 -0.14 -2.82	9.14 -0.14 -3.43	8.60 -0.15 -3.65	10.31 -0.14 -5.34	11.90 -0.19 -6.22	12.18 -0.25 -6.78	17.83 -0.89 -4.14	19.52 -1.04 -2.87	16.03 -0.68 -2.25	14.89 -0.62 -1.39	10.20 0.01 -2.01
HUNTLEY___68 23562	7.04 -0.01 -2.11	6.74 0.03 -1.49	5.52 0.02 -1.50	5.50 -0.01 -1.29	6.01 0.00 -1.48	6.88 -0.04 -1.89	8.69 -0.04 -2.62	10.28 -0.11 -3.22	10.25 -0.14 -2.31	10.23 -0.14 -1.57	10.23 -0.11 -1.75	8.19 -0.11 -2.32	8.47 -0.13 -2.63	8.66 -0.14 -2.82	9.14 -0.14 -3.43	8.60 -0.15 -3.65	10.31 -0.14 -5.34	11.90 -0.19 -6.22	12.18 -0.25 -6.78	17.83 -0.89 -4.14	19.52 -1.04 -2.87	16.03 -0.68 -2.25	14.89 -0.62 -1.39	10.20 0.01 -2.01
HYLAND___LFGE 323620	7.37 0.34 -2.09	7.05 0.36 -1.48	5.74 0.25 -1.49	5.74 0.24 -1.28	6.29 0.31 -1.46	7.25 0.36 -1.87	9.15 0.45 -2.59	10.84 0.49 -3.18	10.72 0.36 -2.28	10.65 0.30 -1.55	10.65 0.33 -1.73	8.46 0.19 -2.30	8.71 0.15 -2.60	8.90 0.14 -2.79	9.38 0.14 -3.39	8.84 0.13 -3.61	10.53 0.14 -5.28	12.22 0.19 -6.15	12.56 0.20 -6.70	19.36 0.69 -4.10	21.49 0.95 -2.84	17.65 0.97 -2.22	16.26 0.76 -1.37	10.73 0.56 -1.98
INDECK___CORINTH 23802	20.69 0.06 -15.69	16.35 0.03 -11.10	15.21 0.02 -11.18	13.85 0.02 -9.62	15.54 0.03 -10.98	19.10 0.05 -14.02	25.66 0.10 -19.45	31.22 0.14 -23.93	25.31 0.10 -17.13	20.59 0.12 -11.67	21.73 0.15 -12.99	23.39 0.13 -17.29	25.55 0.13 -19.45	26.91 0.13 -20.81	31.06 0.12 -25.10	31.96 0.10 -26.75	43.83 0.11 -38.61	50.84 0.13 -44.83	54.62 0.12 -48.84	45.70 0.38 -30.74	39.44 0.42 -21.33	31.42 0.25 -16.71	24.62 0.18 -10.30	23.19 0.08 -14.92
INDECK___ILION 23567	5.04 -0.03 -0.14	5.34 -0.03 -0.15	4.07 -0.03 -0.10	4.32 -0.03 -0.12	4.64 -0.03 -0.14	5.16 -0.02 -0.15	6.30 -0.01 -0.20	7.35 -0.04 -0.22	8.33 -0.02 -0.26	9.07 -0.03 -0.29	8.81 -0.06 -0.28	6.10 -0.05 -0.18	6.09 -0.05 -0.18	6.09 -0.06 -0.18	5.94 -0.06 -0.15	5.05 -0.05 0.00	5.06 -0.05 0.00	5.82 -0.06 0.00	5.60 -0.05 0.00	14.48 -0.10 0.00	17.59 -0.11 0.00	14.42 -0.04 0.00	14.12 -0.01 0.00	8.19 0.00 0.00
INDECK___OLEAN 23982	7.35 -0.02 -2.43	6.97 0.03 -1.72	5.76 0.02 -1.73	5.71 0.00 -1.49	6.24 0.01 -1.70	7.18 -0.02 -2.17	9.14 0.01 -3.01	10.86 -0.01 -3.71	10.70 -0.03 -2.65	10.58 -0.04 -1.81	10.57 -0.03 -2.01	8.60 -0.05 -2.68	8.92 -0.08 -3.03	9.15 -0.08 -3.26	9.72 -0.08 -3.96	9.22 -0.10 -4.22	11.17 -0.09 -6.15	12.91 -0.13 -7.16	13.29 -0.16 -7.81	18.81 -0.54 -4.77	20.47 -0.53 -3.30	16.73 -0.32 -2.59	15.40 -0.32 -1.60	10.52 0.02 -2.31
INDECK___OSWEGO 23783	5.93 -0.10 -1.09	5.86 -0.09 -0.74	4.70 -0.08 -0.77	4.77 -0.08 -0.64	5.18 -0.08 -0.73	5.88 -0.10 -0.95	7.34 -0.10 -1.33	8.69 -0.12 -1.65	9.05 -0.15 -1.11	9.31 -0.17 -0.68	9.20 -0.17 -0.78	7.02 -0.14 -1.18	7.17 -0.14 -1.35	7.29 -0.14 -1.46	7.52 -0.14 -1.81	7.02 -0.12 -2.04	7.98 -0.12 -2.99	9.21 -0.15 -3.48	9.29 -0.15 -3.79	16.52 -0.38 -2.32	18.86 -0.44 -1.61	15.42 -0.30 -1.26	14.58 -0.32 -0.78	9.17 -0.14 -1.12

INDECK___YERKES 23781	7.00 -0.01 -2.08	6.74 0.05 -1.47	5.52 0.04 -1.48	5.50 0.01 -1.27	6.00 0.02 -1.46	6.87 -0.02 -1.86	8.65 -0.02 -2.55	10.22 -0.09 -3.14	10.21 -0.12 -2.25	10.20 -0.11 -1.51	10.18 -0.09 -1.68	8.12 -0.10 -2.24	8.40 -0.10 -2.53	8.58 -0.11 -2.72	9.03 -0.12 -3.31	8.49 -0.14 -3.53	10.21 -0.12 -5.23	11.78 -0.18 -6.09	12.06 -0.24 -6.65	17.77 -0.87 -4.07	19.49 -1.03 -2.83	16.09 -0.58 -2.21	14.90 -0.59 -1.37	10.13 -0.03 -1.98
INDIAN POINT_GT_1 24139	17.78 0.35 -12.49	14.40 0.34 -8.84	13.17 0.26 -8.90	12.17 0.30 -7.66	13.56 0.29 -8.74	16.53 0.34 -11.16	22.00 0.41 -15.48	26.69 0.48 -19.05	22.32 0.61 -13.63	18.76 0.69 -9.27	19.59 0.67 -10.32	20.17 0.46 -13.74	22.11 0.47 -15.67	23.36 0.48 -16.90	27.08 0.47 -20.76	27.67 0.41 -22.15	38.17 0.41 -32.65	44.53 0.47 -38.19	47.73 0.44 -41.64	40.03 1.08 -24.38	35.84 1.31 -16.84	28.61 0.95 -13.19	23.29 1.02 -8.14	20.56 0.59 -11.78
INDIAN POINT_GT_2 23659	17.78 0.35 -12.49	14.40 0.34 -8.84	13.17 0.26 -8.90	12.17 0.30 -7.66	13.56 0.29 -8.74	16.53 0.34 -11.16	22.00 0.41 -15.48	26.69 0.48 -19.05	22.32 0.61 -13.63	18.76 0.69 -9.27	19.59 0.67 -10.32	20.17 0.46 -13.74	22.11 0.47 -15.67	23.36 0.48 -16.90	27.08 0.47 -20.76	27.67 0.41 -22.15	38.17 0.41 -32.65	44.53 0.47 -38.19	47.73 0.44 -41.64	40.03 1.08 -24.38	35.84 1.31 -16.84	28.61 0.95 -13.19	23.29 1.02 -8.14	20.56 0.59 -11.78
INDIAN POINT_GT_3 24019	17.78 0.35 -12.49	14.40 0.34 -8.84	13.17 0.26 -8.90	12.17 0.30 -7.66	13.56 0.29 -8.74	16.53 0.34 -11.16	22.00 0.41 -15.48	26.69 0.48 -19.05	22.32 0.61 -13.63	18.76 0.69 -9.27	19.59 0.67 -10.32	20.17 0.46 -13.74	22.11 0.47 -15.67	23.36 0.48 -16.90	27.08 0.47 -20.76	27.67 0.41 -22.15	38.17 0.41 -32.65	44.53 0.47 -38.19	47.73 0.44 -41.64	40.03 1.08 -24.38	35.84 1.31 -16.84	28.61 0.95 -13.19	23.29 1.02 -8.14	20.56 0.59 -11.78
INDIAN POINT___2 23530	17.66 0.36 -12.37	14.31 0.34 -8.75	13.08 0.27 -8.81	12.10 0.30 -7.58	13.48 0.29 -8.66	16.42 0.34 -11.05	21.85 0.42 -15.33	26.51 0.49 -18.86	22.19 0.61 -13.50	18.68 0.70 -9.18	19.48 0.67 -10.22	20.04 0.47 -13.60	21.96 0.48 -15.51	23.19 0.48 -16.73	26.87 0.47 -20.55	27.45 0.41 -21.93	37.78 0.41 -32.27	44.07 0.46 -37.73	47.23 0.44 -41.15	39.75 1.08 -24.09	35.65 1.31 -16.64	28.46 0.95 -13.04	23.19 1.02 -8.04	20.43 0.60 -11.64
INDIAN POINT___3 23531	17.78 0.35 -12.50	14.40 0.34 -8.84	13.17 0.26 -8.90	12.17 0.30 -7.66	13.57 0.29 -8.75	16.53 0.34 -11.17	22.01 0.41 -15.48	26.69 0.48 -19.05	22.33 0.61 -13.64	18.77 0.69 -9.28	19.59 0.67 -10.33	20.18 0.46 -13.74	22.11 0.47 -15.67	23.36 0.48 -16.91	27.08 0.47 -20.77	27.67 0.40 -22.16	38.16 0.40 -32.65	44.52 0.46 -38.18	47.72 0.43 -41.64	40.03 1.06 -24.39	35.83 1.29 -16.85	28.62 0.95 -13.20	23.28 1.00 -8.14	20.57 0.60 -11.79
INGHAM_C_115KV_TB7 356103	4.96 -0.11 -0.14	5.25 -0.11 -0.15	4.01 -0.09 -0.10	4.25 -0.09 -0.12	4.57 -0.10 -0.14	5.09 -0.09 -0.15	6.22 -0.09 -0.20	7.24 -0.14 -0.22	8.24 -0.11 -0.26	8.95 -0.14 -0.29	8.68 -0.20 -0.28	6.00 -0.16 -0.18	5.98 -0.16 -0.18	5.97 -0.18 -0.18	5.82 -0.18 -0.15	4.94 -0.16 0.00	4.94 -0.16 0.00	5.69 -0.19 0.00	5.48 -0.17 0.00	14.20 -0.38 0.00	17.30 -0.39 0.00	14.23 -0.23 0.00	13.98 -0.16 0.00	8.10 -0.09 0.00
IP CORINTH___1 23988	20.72 0.08 -15.69	16.38 0.06 -11.10	15.23 0.04 -11.18	13.87 0.04 -9.62	15.56 0.05 -10.98	19.13 0.08 -14.02	25.72 0.13 -19.47	31.30 0.17 -23.96	25.38 0.15 -17.15	20.65 0.18 -11.67	21.77 0.19 -12.99	23.42 0.16 -17.29	25.57 0.16 -19.44	26.94 0.16 -20.81	31.08 0.15 -25.09	31.97 0.13 -26.74	43.83 0.14 -38.59	50.84 0.16 -44.80	54.54 0.15 -48.74	45.72 0.45 -30.69	39.52 0.53 -21.30	31.54 0.39 -16.69	24.68 0.25 -10.29	23.22 0.13 -14.90
IP___TICONDEROGA 23804	20.91 0.30 -15.67	16.58 0.28 -11.09	15.38 0.21 -11.16	14.03 0.21 -9.60	15.74 0.25 -10.97	19.34 0.31 -14.00	26.00 0.45 -19.45	31.63 0.54 -23.93	25.72 0.51 -17.13	21.00 0.55 -11.65	22.08 0.52 -12.97	23.66 0.42 -17.26	25.84 0.46 -19.41	27.19 0.44 -20.77	31.30 0.42 -25.04	32.16 0.36 -26.69	43.99 0.38 -38.50	51.03 0.45 -44.70	54.71 0.42 -48.64	46.45 1.22 -30.65	40.39 1.43 -21.27	32.21 1.08 -16.66	25.30 0.89 -10.28	23.57 0.51 -14.88
ISLIP_RES_REC 323679	18.06 0.54 -12.58	14.59 0.47 -8.90	13.32 0.36 -8.96	12.32 0.39 -7.71	13.72 0.39 -8.81	20.04 0.53 -14.48	26.11 0.66 -19.34	27.11 0.77 -19.18	25.75 0.90 -16.77	21.71 1.04 -11.87	25.79 1.07 -16.13	25.83 0.73 -19.12	26.14 0.75 -19.42	26.65 0.76 -19.91	27.44 0.68 -20.92	28.04 0.62 -22.32	38.58 0.53 -32.94	45.05 0.65 -38.52	48.29 0.63 -42.01	40.84 1.66 -24.60	46.63 2.19 -26.75	29.17 1.39 -13.32	26.89 1.58 -11.18	24.31 0.91 -15.21
JAMAICA__27_KV_LOAD 355505	17.94 0.42 -12.58	14.53 0.41 -8.90	13.28 0.32 -8.96	12.29 0.36 -7.71	13.67 0.34 -8.80	16.68 0.41 -11.24	22.19 0.50 -15.58	26.95 0.61 -19.17	22.58 0.78 -13.73	18.97 0.84 -9.34	19.78 0.79 -10.40	20.35 0.55 -13.83	22.30 0.56 -15.77	23.57 0.57 -17.02	27.32 0.57 -20.90	27.89 0.48 -22.31	38.52 0.50 -32.92	44.95 0.58 -38.50	48.18 0.54 -41.98	40.48 1.31 -24.59	36.25 1.57 -16.98	28.82 1.06 -13.31	23.62 1.29 -8.21	20.82 0.75 -11.88
JANIS___SOLAR 323808	8.43 0.19 -3.30	7.77 0.22 -2.33	6.51 0.16 -2.35	6.41 0.17 -2.02	7.02 0.19 -2.31	8.20 0.22 -2.95	10.53 0.34 -4.09	12.53 0.34 -5.03	11.98 0.30 -3.60	11.46 0.21 -2.45	11.48 0.16 -2.73	9.69 0.08 -3.63	10.15 0.08 -4.10	10.46 0.08 -4.41	11.28 0.08 -5.35	10.90 0.09 -5.71	13.56 0.11 -8.34	15.75 0.16 -9.72	16.43 0.19 -10.59	21.67 0.63 -6.47	23.01 0.83 -4.48	18.68 0.71 -3.51	16.90 0.61 -2.17	11.72 0.39 -3.14
JARVIS____ 23743	5.08 0.01 -0.14	5.38 0.01 -0.15	4.11 0.00 -0.10	4.35 0.01 -0.12	4.67 0.00 -0.14	5.19 0.01 -0.15	6.33 0.01 -0.20	7.40 0.01 -0.22	8.36 0.02 -0.26	9.11 0.02 -0.29	8.88 0.01 -0.28	6.16 0.01 -0.18	6.15 0.01 -0.18	6.16 0.01 -0.18	6.00 0.01 -0.15	5.11 0.01 0.00	5.11 0.01 0.00	5.88 0.01 0.00	5.66 0.01 0.00	14.59 0.01 0.00	17.71 0.02 0.00	14.51 0.04 0.00	14.16 0.03 0.00	8.21 0.02 0.00
JENNISON___1 23625	9.28 0.22 -4.12	8.38 0.24 -2.92	7.11 0.17 -2.94	6.94 0.19 -2.53	7.61 0.20 -2.88	8.95 0.24 -3.68	11.58 0.36 -5.11	13.84 0.39 -6.29	12.99 0.40 -4.50	12.22 0.36 -3.06	12.33 0.33 -3.41	10.70 0.19 -4.53	11.29 0.19 -5.13	11.67 0.19 -5.51	12.73 0.19 -6.69	12.42 0.18 -7.13	15.73 0.19 -10.43	18.25 0.23 -12.15	19.12 0.23 -13.23	23.38 0.71 -8.09	24.20 0.90 -5.60	19.57 0.72 -4.39	17.52 0.68 -2.71	12.55 0.44 -3.92
JENNISON___2 23626	9.28 0.22 -4.12	8.38 0.24 -2.92	7.11 0.17 -2.94	6.94 0.19 -2.53	7.61 0.20 -2.88	8.95 0.24 -3.68	11.58 0.36 -5.11	13.84 0.39 -6.29	12.99 0.40 -4.50	12.22 0.36 -3.06	12.33 0.33 -3.41	10.70 0.19 -4.53	11.29 0.19 -5.13	11.67 0.19 -5.51	12.73 0.19 -6.69	12.42 0.18 -7.13	15.73 0.19 -10.43	18.25 0.23 -12.15	19.12 0.23 -13.23	23.38 0.71 -8.09	24.20 0.90 -5.60	19.57 0.72 -4.39	17.52 0.68 -2.71	12.55 0.44 -3.92

JERICO_RISE_WT_PWR 323719	-0.08 -0.37 4.65	1.39 -0.41 3.42	-0.07 -0.32 3.76	-0.07 -0.33 3.96	-0.07 -0.36 4.24	-0.57 -0.39 5.21	0.12 -0.48 5.51	-0.12 -0.53 6.75	-0.54 -0.64 7.98	-0.53 -0.70 8.62	-0.13 -0.64 8.07	1.41 -0.44 4.13	-0.57 -0.43 6.11	1.44 -0.41 4.13	2.01 -0.32 3.52	4.89 -0.21 0.00	4.94 -0.16 0.00	5.76 -0.12 0.00	5.59 -0.06 0.00	14.45 -0.13 0.00	17.45 -0.25 0.00	14.11 -0.35 0.00	13.78 -0.35 0.00	7.89 -0.29 0.00
KATONAH__115KV_46KV_TB4 355592	17.97 0.36 -12.68	14.54 0.35 -8.97	13.30 0.27 -9.03	12.29 0.30 -7.77	13.70 0.30 -8.87	16.70 0.34 -11.33	22.24 0.42 -15.71	26.97 0.48 -19.32	22.51 0.60 -13.83	18.89 0.68 -9.41	19.73 0.66 -10.48	20.37 0.45 -13.94	22.35 0.48 -15.89	23.62 0.50 -17.15	27.40 0.50 -21.06	28.00 0.43 -22.47	38.77 0.43 -33.23	45.23 0.51 -38.85	48.49 0.47 -42.37	40.54 1.12 -24.84	36.21 1.36 -17.16	28.92 1.01 -13.44	23.45 1.03 -8.29	20.81 0.61 -12.00
KCE_NY_1 323755	20.79 0.21 -15.64	16.49 0.20 -11.07	15.31 0.16 -11.14	13.96 0.16 -9.59	15.66 0.18 -10.95	19.22 0.21 -13.98	25.77 0.28 -19.38	31.34 0.33 -23.85	25.49 0.34 -17.07	20.81 0.38 -11.63	21.93 0.39 -12.95	23.48 0.28 -17.23	25.62 0.27 -19.38	26.98 0.27 -20.73	31.10 0.26 -24.99	31.97 0.23 -26.64	43.76 0.24 -38.42	50.76 0.28 -44.60	54.50 0.27 -48.59	45.92 0.71 -30.63	39.80 0.85 -21.25	31.77 0.65 -16.65	24.99 0.59 -10.27	23.39 0.34 -14.87
KCE_NY_6_ESR 323823	7.13 -0.01 -2.20	6.83 0.05 -1.55	5.61 0.04 -1.57	5.58 0.01 -1.35	6.09 0.03 -1.54	6.98 -0.01 -1.96	8.83 -0.01 -2.72	10.46 -0.05 -3.35	10.40 -0.08 -2.40	10.36 -0.08 -1.64	10.36 -0.05 -1.82	8.33 -0.07 -2.43	8.62 -0.09 -2.75	8.83 -0.10 -2.95	9.33 -0.10 -3.58	8.80 -0.12 -3.82	10.56 -0.10 -5.55	12.19 -0.16 -6.47	12.49 -0.21 -7.05	18.14 -0.74 -4.31	19.83 -0.85 -2.99	16.32 -0.48 -2.34	15.08 -0.50 -1.44	10.28 0.00 -2.09
KEDC_PORT_JEFF_GT2 24210	18.03 0.51 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.07 0.62 -19.34	27.05 0.71 -19.18	25.71 0.86 -16.77	21.67 0.99 -11.87	25.72 1.00 -16.13	25.77 0.67 -19.12	26.09 0.70 -19.42	26.59 0.71 -19.91	27.38 0.62 -20.91	27.99 0.57 -22.32	38.51 0.46 -32.94	44.98 0.58 -38.52	48.22 0.56 -42.01	40.66 1.49 -24.59	43.93 2.02 -24.22	29.08 1.30 -13.31	26.81 1.50 -11.18	24.27 0.87 -15.21
KEDC_PORT_JEFF_GT3 24211	18.03 0.51 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.07 0.62 -19.34	27.05 0.71 -19.18	25.71 0.86 -16.77	21.67 0.99 -11.87	25.72 1.00 -16.13	25.77 0.67 -19.12	26.09 0.70 -19.42	26.59 0.71 -19.91	27.38 0.62 -20.91	27.99 0.57 -22.32	38.51 0.46 -32.94	44.98 0.58 -38.52	48.22 0.56 -42.01	40.66 1.49 -24.59	43.93 2.02 -24.22	29.08 1.30 -13.31	26.81 1.50 -11.18	24.27 0.87 -15.21
KEDC_GLWD_GT4 24219	17.96 0.44 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	19.93 0.43 -14.48	25.97 0.52 -19.34	26.94 0.59 -19.18	25.60 0.74 -16.77	21.54 0.86 -11.87	25.57 0.84 -16.13	25.68 0.59 -19.12	25.99 0.60 -19.42	26.49 0.60 -19.91	27.32 0.56 -20.91	27.92 0.51 -22.31	38.47 0.42 -32.94	44.90 0.50 -38.52	48.14 0.47 -42.01	40.39 1.22 -24.59	36.20 1.52 -16.98	28.94 1.17 -13.31	26.58 1.27 -11.18	24.14 0.75 -15.21
KEDC_GLWD_GT5 24220	17.96 0.44 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	19.93 0.43 -14.48	25.97 0.52 -19.34	26.94 0.59 -19.18	25.60 0.74 -16.77	21.54 0.86 -11.87	25.57 0.84 -16.13	25.68 0.59 -19.12	25.99 0.60 -19.42	26.49 0.60 -19.91	27.32 0.56 -20.91	27.92 0.51 -22.31	38.47 0.42 -32.94	44.90 0.50 -38.52	48.14 0.47 -42.01	40.39 1.22 -24.59	36.20 1.52 -16.98	28.94 1.17 -13.31	26.58 1.27 -11.18	24.14 0.75 -15.21
KENSICO____ 23655	17.86 0.36 -12.56	14.46 0.35 -8.89	13.22 0.27 -8.95	12.22 0.30 -7.70	13.62 0.30 -8.79	16.60 0.35 -11.23	22.10 0.42 -15.57	26.81 0.50 -19.15	22.41 0.62 -13.71	18.84 0.71 -9.32	19.67 0.70 -10.38	20.27 0.48 -13.81	22.21 0.49 -15.76	23.47 0.50 -17.00	27.21 0.49 -20.88	27.80 0.42 -22.28	38.39 0.42 -32.87	44.79 0.48 -38.43	48.02 0.45 -41.91	40.23 1.11 -24.55	35.99 1.34 -16.96	28.73 0.98 -13.29	23.37 1.05 -8.19	20.66 0.61 -11.86
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	16.55 0.33 -11.28	13.54 0.34 -7.98	12.30 0.27 -8.03	11.43 0.30 -6.91	12.71 0.29 -7.89	15.45 0.34 -10.08	20.51 0.43 -13.97	24.84 0.49 -17.19	20.99 0.61 -12.31	17.81 0.64 -8.37	18.49 0.58 -9.32	18.77 0.40 -12.40	20.48 0.41 -14.10	21.59 0.42 -15.19	24.81 0.38 -18.59	25.27 0.34 -19.83	34.78 0.34 -29.33	40.50 0.38 -34.25	43.37 0.37 -37.34	37.74 0.98 -22.19	34.39 1.36 -15.34	27.48 1.00 -12.02	22.65 1.10 -7.41	19.57 0.66 -10.73
KIAC_JFK_GT1 23816	17.92 0.40 -12.58	14.49 0.37 -8.90	13.25 0.29 -8.96	12.26 0.33 -7.71	13.65 0.32 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.90 0.57 -19.18	22.53 0.72 -13.73	18.91 0.77 -9.34	19.73 0.74 -10.40	20.31 0.51 -13.83	22.26 0.52 -15.77	23.53 0.53 -17.02	27.28 0.53 -20.91	27.83 0.42 -22.31	38.48 0.44 -32.93	44.90 0.51 -38.51	48.13 0.47 -42.00	40.31 1.15 -24.58	36.06 1.38 -16.98	28.65 0.88 -13.31	23.52 1.19 -8.21	20.75 0.68 -11.88
KIAC_JFK_GT2 23817	17.92 0.40 -12.58	14.49 0.37 -8.90	13.25 0.29 -8.96	12.26 0.33 -7.71	13.65 0.32 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.90 0.57 -19.18	22.53 0.72 -13.73	18.91 0.77 -9.34	19.73 0.74 -10.40	20.31 0.51 -13.83	22.26 0.52 -15.77	23.53 0.53 -17.02	27.28 0.53 -20.91	27.83 0.42 -22.31	38.48 0.44 -32.93	44.90 0.51 -38.51	48.13 0.47 -42.00	40.31 1.15 -24.58	36.06 1.38 -16.98	28.65 0.88 -13.31	23.52 1.19 -8.21	20.75 0.68 -11.88
KIAC_JFK____ 323774	17.92 0.40 -12.58	14.49 0.37 -8.90	13.25 0.29 -8.96	12.26 0.33 -7.71	13.65 0.32 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.90 0.57 -19.18	22.53 0.72 -13.73	18.91 0.77 -9.34	19.73 0.74 -10.40	20.31 0.51 -13.83	22.26 0.52 -15.77	23.53 0.53 -17.02	27.28 0.53 -20.91	27.83 0.42 -22.31	38.48 0.44 -32.93	44.90 0.51 -38.51	48.13 0.47 -42.00	40.31 1.15 -24.58	36.06 1.38 -16.98	28.65 0.88 -13.31	23.52 1.19 -8.21	20.75 0.68 -11.88
KINTIGH____ 23543	6.79 0.01 -1.85	6.57 0.04 -1.31	5.34 0.02 -1.31	5.36 0.01 -1.13	5.84 0.02 -1.29	6.67 -0.01 -1.65	8.39 -0.01 -2.29	9.91 -0.06 -2.81	10.01 -0.09 -2.01	10.08 -0.10 -1.37	10.06 -0.06 -1.53	7.93 -0.07 -2.03	8.17 -0.09 -2.30	8.34 -0.10 -2.46	8.75 -0.09 -2.99	8.19 -0.10 -3.19	9.69 -0.09 -4.67	11.18 -0.14 -5.44	11.39 -0.19 -5.93	17.50 -0.70 -3.62	19.33 -0.87 -2.51	15.89 -0.54 -1.96	14.83 -0.51 -1.21	9.97 0.03 -1.75
KNTFSRNC_46_KV_46KV_LOAD 80397	0.01 -0.31 4.62	1.39 -0.37 3.47	0.01 -0.28 3.71	0.00 -0.27 3.94	0.00 -0.29 4.23	-0.46 -0.31 5.18	0.17 -0.40 5.54	0.00 -0.41 6.75	-0.42 -0.50 8.00	-0.39 -0.55 8.65	-0.02 -0.50 8.11	1.43 -0.35 4.20	-0.45 -0.35 6.07	1.43 -0.36 4.19	2.01 -0.26 3.57	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.67 0.09 0.00	17.69 0.00 0.00	14.36 -0.10 0.00	13.95 -0.18 0.00	7.96 -0.23 0.00

LACHUTE___HYDRO 323717	20.91 0.30 -15.67	16.58 0.28 -11.09	15.38 0.21 -11.16	14.03 0.21 -9.60	15.74 0.25 -10.97	19.34 0.31 -14.00	25.98 0.45 -19.42	31.59 0.54 -23.89	25.70 0.52 -17.10	21.00 0.55 -11.65	22.08 0.52 -12.97	23.66 0.42 -17.26	25.84 0.46 -19.42	27.19 0.44 -20.78	31.31 0.42 -25.05	32.17 0.36 -26.71	44.02 0.38 -38.53	51.06 0.45 -44.74	54.81 0.42 -48.74	46.50 1.22 -30.69	40.42 1.43 -21.30	32.20 1.06 -16.69	25.31 0.89 -10.29	23.59 0.50 -14.90
LAWRNCV_115KV_TB1 80681	2.17 -0.31 2.46	2.00 -0.32 2.90	2.03 -0.24 1.73	1.66 -0.25 2.30	1.69 -0.28 2.56	1.92 -0.29 2.82	1.86 -0.35 3.90	2.53 -0.42 4.21	2.70 -0.48 4.89	2.79 -0.55 5.46	2.70 -0.54 5.35	2.09 -0.37 3.51	2.39 -0.37 3.21	2.10 -0.37 3.51	2.50 -0.36 2.99	4.81 -0.30 0.00	4.82 -0.29 0.00	5.58 -0.30 0.00	5.39 -0.26 0.00	13.95 -0.63 0.00	16.88 -0.81 0.00	13.74 -0.72 0.00	13.44 -0.69 0.00	7.69 -0.50 0.00
LEDERLE___ 23769	17.49 0.37 -12.18	14.21 0.37 -8.63	12.97 0.28 -8.69	12.01 0.32 -7.47	13.37 0.31 -8.54	16.29 0.36 -10.90	21.66 0.44 -15.11	26.28 0.52 -18.59	22.05 0.65 -13.31	18.59 0.73 -9.05	19.38 0.70 -10.08	19.87 0.48 -13.41	21.76 0.50 -15.29	22.98 0.51 -16.50	26.60 0.50 -20.26	27.16 0.43 -21.62	37.34 0.43 -31.80	43.55 0.49 -37.18	46.66 0.46 -40.55	39.50 1.15 -23.77	35.51 1.40 -16.42	28.36 1.03 -12.87	23.15 1.09 -7.93	20.32 0.64 -11.49
LIGHTHSE_115KV_TB6 355974	5.72 -0.07 -0.86	5.64 -0.07 -0.49	4.56 -0.06 -0.61	4.61 -0.06 -0.45	4.99 -0.06 -0.52	5.68 -0.06 -0.71	7.05 -0.04 -0.98	8.36 -0.06 -1.26	8.73 -0.09 -0.74	8.98 -0.13 -0.31	8.85 -0.15 -0.41	6.71 -0.12 -0.86	6.89 -0.13 -1.05	6.97 -0.12 -1.11	7.20 -0.12 -1.47	6.86 -0.10 -1.85	7.73 -0.08 -2.71	8.92 -0.11 -3.15	8.98 -0.10 -3.43	16.47 -0.20 -2.10	18.92 -0.23 -1.45	15.41 -0.19 -1.14	14.66 -0.17 -0.70	9.16 -0.05 -1.02
LINDEN COGEN___ 23786	17.89 0.38 -12.58	14.48 0.37 -8.90	13.25 0.29 -8.96	12.26 0.34 -7.71	13.65 0.32 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.85 0.52 -19.18	22.48 0.67 -13.73	18.93 0.79 -9.34	19.73 0.74 -10.40	20.31 0.51 -13.83	22.27 0.53 -15.77	23.53 0.53 -17.02	27.27 0.51 -20.91	27.85 0.44 -22.31	38.48 0.43 -32.93	44.89 0.50 -38.51	48.12 0.46 -42.00	40.28 1.12 -24.58	36.04 1.36 -16.98	28.74 0.97 -13.31	23.44 1.10 -8.21	20.71 0.64 -11.88
LINDHRST_69_KV_BK1 356055	18.03 0.51 -12.58	14.58 0.46 -8.90	13.32 0.36 -8.96	12.32 0.39 -7.71	13.72 0.39 -8.81	20.01 0.50 -14.48	26.06 0.61 -19.34	27.02 0.68 -19.18	25.69 0.84 -16.77	21.65 0.98 -11.87	25.69 0.96 -16.13	25.76 0.66 -19.12	26.07 0.67 -19.42	26.57 0.68 -19.91	27.37 0.61 -20.91	27.98 0.56 -22.32	38.50 0.46 -32.93	44.96 0.58 -38.50	48.20 0.56 -41.99	40.68 1.50 -24.60	41.55 1.98 -21.87	29.17 1.39 -13.32	26.79 1.48 -11.18	24.28 0.88 -15.21
LIPA_MISC_IPP 23656	18.00 0.48 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	20.01 0.51 -14.48	26.07 0.62 -19.34	27.05 0.71 -19.18	25.69 0.84 -16.77	21.65 0.98 -11.87	25.72 1.00 -16.13	25.77 0.67 -19.12	26.08 0.69 -19.42	26.59 0.70 -19.91	27.39 0.63 -20.91	28.00 0.58 -22.32	38.52 0.48 -32.93	44.97 0.59 -38.50	48.22 0.58 -41.99	40.70 1.53 -24.60	44.95 2.05 -25.20	29.18 1.40 -13.31	26.79 1.48 -11.18	24.27 0.87 -15.21
LISF___SOLAR 323691	18.00 0.48 -12.58	14.55 0.43 -8.90	13.29 0.32 -8.96	12.28 0.35 -7.71	13.69 0.36 -8.81	20.02 0.51 -14.48	26.08 0.63 -19.34	27.06 0.72 -19.18	25.71 0.86 -16.77	21.67 0.99 -11.87	25.72 1.00 -16.13	25.77 0.67 -19.12	26.09 0.70 -19.42	26.59 0.71 -19.91	27.40 0.64 -20.91	28.01 0.59 -22.32	38.54 0.49 -32.94	45.00 0.61 -38.52	48.24 0.58 -42.01	40.73 1.56 -24.59	45.02 2.07 -25.26	29.09 1.32 -13.31	26.82 1.51 -11.18	24.28 0.88 -15.21
LITTLE FALLS___HYD 24013	4.96 -0.11 -0.14	5.25 -0.11 -0.15	4.01 -0.09 -0.10	4.25 -0.09 -0.12	4.57 -0.10 -0.14	5.09 -0.09 -0.15	6.22 -0.09 -0.20	7.24 -0.14 -0.22	8.24 -0.11 -0.26	8.95 -0.14 -0.29	8.68 -0.20 -0.28	6.00 -0.16 -0.18	5.98 -0.16 -0.18	5.97 -0.18 -0.18	5.82 -0.18 -0.15	4.94 -0.16 0.00	4.94 -0.16 0.00	5.69 -0.19 0.00	5.48 -0.17 0.00	14.20 -0.38 0.00	17.30 -0.39 0.00	14.23 -0.23 0.00	13.98 -0.16 0.00	8.10 -0.09 0.00
LITTLRIV_115KV_TB1 356100	2.26 -0.29 2.39	2.09 -0.29 2.84	2.11 -0.23 1.67	1.75 -0.23 2.24	1.79 -0.25 2.48	2.04 -0.26 2.73	2.00 -0.31 3.80	2.69 -0.38 4.09	2.90 -0.43 4.76	2.99 -0.50 5.31	2.87 -0.51 5.21	2.19 -0.35 3.43	2.51 -0.35 3.11	2.20 -0.35 3.43	2.59 -0.34 2.92	4.83 -0.28 0.00	4.84 -0.27 0.00	5.59 -0.28 0.00	5.42 -0.23 0.00	14.04 -0.54 0.00	16.99 -0.71 0.00	13.83 -0.64 0.00	13.51 -0.62 0.00	7.72 -0.47 0.00
LI_NEWBRDGE___DRP 323616	17.96 0.44 -12.58	14.53 0.41 -8.90	13.27 0.31 -8.96	12.27 0.34 -7.71	13.67 0.34 -8.81	19.94 0.44 -14.48	25.97 0.53 -19.34	26.91 0.57 -19.18	25.59 0.74 -16.77	21.54 0.86 -11.87	25.56 0.83 -16.13	25.67 0.57 -19.12	25.97 0.58 -19.42	26.46 0.58 -19.91	27.26 0.51 -20.91	27.88 0.47 -22.31	38.42 0.38 -32.93	44.85 0.47 -38.50	48.10 0.45 -41.99	40.38 1.21 -24.59	36.26 1.57 -16.99	28.90 1.13 -13.31	26.56 1.26 -11.18	24.15 0.75 -15.21
LOCKPORT_115KV_TB60_63_64 80432	6.92 -0.02 -2.01	6.66 0.03 -1.42	5.44 0.01 -1.43	5.43 -0.01 -1.23	5.93 0.00 -1.40	6.79 -0.04 -1.79	8.51 -0.07 -2.47	10.04 -0.16 -3.04	10.07 -0.19 -2.17	10.08 -0.20 -1.48	10.08 -0.16 -1.65	8.02 -0.14 -2.19	8.29 -0.16 -2.48	8.46 -0.17 -2.66	8.90 -0.18 -3.24	8.38 -0.19 -3.46	10.00 -0.17 -5.06	11.53 -0.24 -5.90	11.78 -0.30 -6.43	17.50 -1.01 -3.93	19.22 -1.20 -2.73	15.80 -0.80 -2.14	14.71 -0.73 -1.32	10.06 -0.03 -1.91
LOCKPORT___CC1 323769	6.92 -0.04 -2.02	6.67 0.03 -1.43	5.46 0.02 -1.44	5.45 -0.01 -1.24	5.94 0.00 -1.41	6.80 -0.03 -1.80	8.55 -0.06 -2.49	10.09 -0.14 -3.07	10.09 -0.19 -2.20	10.10 -0.19 -1.49	10.10 -0.15 -1.66	8.05 -0.14 -2.21	8.31 -0.16 -2.50	8.49 -0.17 -2.68	8.94 -0.17 -3.26	8.40 -0.18 -3.48	10.04 -0.16 -5.10	11.58 -0.23 -5.94	11.84 -0.29 -6.48	17.54 -0.99 -3.96	19.25 -1.19 -2.74	15.90 -0.71 -2.15	14.74 -0.72 -1.33	10.01 -0.10 -1.92
LOCKPORT___CC2 323770	6.92 -0.04 -2.02	6.67 0.03 -1.43	5.46 0.02 -1.44	5.45 -0.01 -1.24	5.94 0.00 -1.41	6.80 -0.03 -1.80	8.55 -0.06 -2.49	10.09 -0.14 -3.07	10.09 -0.19 -2.20	10.10 -0.19 -1.49	10.10 -0.15 -1.66	8.05 -0.14 -2.21	8.31 -0.16 -2.50	8.49 -0.17 -2.68	8.94 -0.17 -3.26	8.40 -0.18 -3.48	10.04 -0.16 -5.10	11.58 -0.23 -5.94	11.84 -0.29 -6.48	17.54 -0.99 -3.96	19.25 -1.19 -2.74	15.90 -0.71 -2.15	14.74 -0.72 -1.33	10.01 -0.10 -1.92
LOCKPORT___CC3 323771	6.92 -0.04 -2.02	6.67 0.03 -1.43	5.46 0.02 -1.44	5.45 -0.01 -1.24	5.94 0.00 -1.41	6.80 -0.03 -1.80	8.55 -0.06 -2.49	10.09 -0.14 -3.07	10.09 -0.19 -2.20	10.10 -0.19 -1.49	10.10 -0.15 -1.66	8.05 -0.14 -2.21	8.31 -0.16 -2.50	8.49 -0.17 -2.68	8.94 -0.17 -3.26	8.40 -0.18 -3.48	10.04 -0.16 -5.10	11.58 -0.23 -5.94	11.84 -0.29 -6.48	17.54 -0.99 -3.96	19.25 -1.19 -2.74	15.90 -0.71 -2.15	14.74 -0.72 -1.33	10.01 -0.10 -1.92

LONG_LAKE_PHOENIX 24014	6.06 -0.08 -1.20	6.00 -0.07 -0.85	4.80 -0.06 -0.86	4.89 -0.07 -0.74	5.31 -0.06 -0.84	6.02 -0.08 -1.08	7.54 -0.07 -1.49	8.91 -0.09 -1.84	9.29 -0.11 -1.31	9.57 -0.12 -0.89	9.45 -0.14 -1.00	7.19 -0.11 -1.32	7.35 -0.11 -1.50	7.48 -0.11 -1.61	7.70 -0.11 -1.95	7.09 -0.10 -2.08	8.06 -0.10 -3.05	9.31 -0.12 -3.55	9.39 -0.12 -3.87	16.63 -0.31 -2.36	18.98 -0.35 -1.64	15.48 -0.26 -1.28	14.65 -0.27 -0.79	9.24 -0.09 -1.14
LOVETT___3 23632	17.52 0.36 -12.23	14.24 0.34 -8.67	13.00 0.27 -8.73	12.03 0.30 -7.51	13.40 0.29 -8.58	16.32 0.34 -10.95	21.71 0.42 -15.18	26.33 0.49 -18.68	22.07 0.61 -13.37	18.59 0.70 -9.10	19.39 0.67 -10.13	19.91 0.46 -13.48	21.81 0.47 -15.37	23.04 0.48 -16.58	26.67 0.47 -20.36	27.24 0.41 -21.73	37.45 0.40 -31.94	43.68 0.46 -37.35	46.82 0.44 -40.73	39.53 1.08 -23.87	35.49 1.31 -16.49	28.34 0.95 -12.92	23.12 1.02 -7.97	20.32 0.60 -11.54
LOVETT___4 23642	17.52 0.36 -12.23	14.24 0.34 -8.67	13.00 0.27 -8.73	12.03 0.30 -7.51	13.40 0.29 -8.58	16.32 0.34 -10.95	21.71 0.42 -15.18	26.33 0.49 -18.68	22.07 0.61 -13.37	18.59 0.70 -9.10	19.39 0.67 -10.13	19.91 0.46 -13.48	21.81 0.47 -15.37	23.04 0.48 -16.58	26.67 0.47 -20.36	27.24 0.41 -21.73	37.45 0.40 -31.94	43.68 0.46 -37.35	46.82 0.44 -40.73	39.53 1.08 -23.87	35.49 1.31 -16.49	28.34 0.95 -12.92	23.12 1.02 -7.97	20.32 0.60 -11.54
LOVETT___5 23593	17.52 0.36 -12.23	14.24 0.34 -8.67	13.00 0.27 -8.73	12.03 0.30 -7.51	13.40 0.29 -8.58	16.32 0.34 -10.95	21.71 0.42 -15.18	26.33 0.49 -18.68	22.07 0.61 -13.37	18.59 0.70 -9.10	19.39 0.67 -10.13	19.91 0.46 -13.48	21.81 0.47 -15.37	23.04 0.48 -16.58	26.67 0.47 -20.36	27.24 0.41 -21.73	37.45 0.40 -31.94	43.68 0.46 -37.35	46.82 0.44 -40.73	39.53 1.08 -23.87	35.49 1.31 -16.49	28.34 0.95 -12.92	23.12 1.02 -7.97	20.32 0.60 -11.54
LOWER_RAQUET___HYD 24057	2.28 -0.34 2.32	2.08 -0.36 2.78	2.12 -0.27 1.61	1.76 -0.28 2.17	1.80 -0.31 2.42	2.05 -0.33 2.65	2.00 -0.40 3.71	2.70 -0.47 3.99	2.92 -0.54 4.62	3.02 -0.62 5.16	2.91 -0.61 5.07	2.20 -0.41 3.36	2.54 -0.41 3.02	2.20 -0.41 3.36	2.59 -0.40 2.86	4.77 -0.33 0.00	4.79 -0.32 0.00	5.54 -0.33 0.00	5.36 -0.29 0.00	13.88 -0.70 0.00	16.79 -0.90 0.00	13.67 -0.80 0.00	13.37 -0.76 0.00	7.66 -0.52 0.00
LOWER___HUDSON 24059	20.46 0.19 -15.33	16.27 0.20 -10.85	15.08 0.16 -10.92	13.77 0.15 -9.40	15.43 0.18 -10.73	18.92 0.19 -13.70	25.35 0.24 -19.00	30.82 0.28 -23.38	25.12 0.31 -16.73	20.54 0.34 -11.39	21.60 0.33 -12.68	23.07 0.23 -16.87	25.13 0.22 -18.94	26.44 0.21 -20.25	30.40 0.21 -24.35	31.23 0.18 -25.95	42.58 0.19 -37.29	49.34 0.22 -43.24	52.97 0.21 -47.10	45.12 0.55 -29.98	39.18 0.67 -20.82	31.34 0.56 -16.31	24.73 0.54 -10.06	23.05 0.29 -14.56
LOWVILLE_115KV_TB2 356335	4.78 -0.13 0.03	4.77 -0.14 0.32	3.91 -0.08 0.01	3.93 -0.08 0.21	4.19 -0.12 0.22	4.75 -0.11 0.17	5.76 -0.09 0.26	6.86 -0.13 0.17	7.35 -0.17 0.56	7.66 -0.26 0.88	7.52 -0.26 0.82	5.52 -0.20 0.25	5.70 -0.20 0.07	5.66 -0.20 0.12	5.82 -0.19 -0.16	5.88 -0.15 -0.93	6.38 -0.09 -1.36	7.39 -0.07 -1.58	7.34 -0.04 -1.72	15.66 0.03 -1.05	18.46 0.04 -0.73	15.03 0.00 -0.57	14.48 0.00 -0.35	8.67 -0.02 -0.51
LUTHERFT_115KV_GLOB_FND_222 355753	20.79 0.21 -15.64	16.49 0.20 -11.07	15.30 0.16 -11.14	13.96 0.16 -9.59	15.66 0.18 -10.95	19.21 0.21 -13.98	25.79 0.28 -19.41	31.37 0.33 -23.88	25.52 0.34 -17.10	20.81 0.38 -11.63	21.92 0.38 -12.95	23.48 0.27 -17.23	25.62 0.27 -19.37	26.97 0.27 -20.73	31.09 0.26 -24.98	31.96 0.23 -26.63	43.73 0.23 -38.39	50.71 0.28 -44.56	54.40 0.26 -48.49	45.87 0.70 -30.59	39.75 0.83 -21.23	31.77 0.68 -16.63	24.98 0.59 -10.26	23.37 0.34 -14.85
LUTHERNY_35_KV_BK2 355980	20.79 0.21 -15.64	16.49 0.20 -11.07	15.31 0.16 -11.14	13.96 0.16 -9.59	15.66 0.18 -10.95	19.22 0.21 -13.98	25.79 0.28 -19.41	31.37 0.33 -23.88	25.52 0.34 -17.10	20.81 0.38 -11.63	21.93 0.39 -12.95	23.48 0.28 -17.23	25.62 0.27 -19.37	26.98 0.27 -20.73	31.09 0.26 -24.98	31.96 0.23 -26.63	43.73 0.23 -38.39	50.72 0.28 -44.56	54.41 0.27 -48.49	45.88 0.71 -30.59	39.77 0.85 -21.23	31.77 0.68 -16.63	24.98 0.59 -10.26	23.37 0.34 -14.85
LWR___OSWEGATCHIE_HYD 23850	3.55 -0.25 1.14	3.39 -0.27 1.57	3.02 -0.20 0.78	2.82 -0.20 1.20	2.97 -0.23 1.33	3.39 -0.24 1.40	3.86 -0.28 1.97	4.79 -0.34 2.04	5.05 -0.40 2.64	5.18 -0.48 3.14	5.06 -0.48 3.05	3.84 -0.34 1.80	4.13 -0.33 1.51	3.94 -0.33 1.70	4.27 -0.32 1.25	5.53 -0.27 -0.69	5.89 -0.23 -1.01	6.81 -0.24 -1.18	6.74 -0.20 -1.28	14.94 -0.42 -0.78	17.71 -0.53 -0.54	14.42 -0.46 -0.43	13.94 -0.45 -0.26	8.25 -0.32 -0.38
LYONS_FALL_HYD 23570	5.06 -0.06 -0.19	5.12 -0.06 0.04	4.11 -0.04 -0.14	4.19 -0.03 -0.01	4.49 -0.05 -0.02	5.08 -0.03 -0.08	6.20 -0.01 -0.10	7.34 -0.04 -0.21	7.95 -0.04 0.10	8.35 -0.11 0.35	8.17 -0.12 0.30	5.94 -0.11 -0.07	6.08 -0.10 -0.21	6.07 -0.10 -0.19	6.16 -0.10 -0.41	5.91 -0.07 -0.88	6.36 -0.03 -1.28	7.35 -0.02 -1.50	7.28 0.00 -1.63	15.69 0.12 -1.00	18.52 0.14 -0.69	15.16 0.16 -0.54	14.56 0.10 -0.33	8.71 0.04 -0.48
MADISON___COUNTY_LFGE 323628	5.84 0.07 -0.83	5.90 0.09 -0.59	4.67 0.07 -0.59	4.80 0.08 -0.51	5.19 0.08 -0.58	5.87 0.10 -0.74	7.30 0.16 -1.03	8.59 0.16 -1.27	9.18 0.19 -0.91	9.58 0.16 -0.62	9.40 0.12 -0.69	6.95 0.06 -0.92	7.07 0.07 -1.04	7.15 0.06 -1.11	7.26 0.06 -1.35	6.60 0.06 -1.44	7.29 0.07 -2.11	8.42 0.09 -2.45	8.42 0.09 -2.67	16.53 0.32 -1.63	19.23 0.41 -1.13	15.65 0.30 -0.89	14.99 0.31 -0.55	9.18 0.20 -0.79
MALONE___115KV_TB1 356076	2.57 -0.33 2.04	1.59 -0.37 3.26	2.50 -0.28 1.22	1.85 -0.30 2.07	1.85 -0.32 2.36	2.31 -0.35 2.37	1.70 -0.42 4.00	2.72 -0.47 3.97	2.96 -0.55 4.57	2.98 -0.61 5.22	2.75 -0.57 5.27	1.65 -0.38 3.94	2.95 -0.38 2.64	1.68 -0.36 3.93	2.20 -0.29 3.35	4.90 -0.20 0.00	4.94 -0.16 0.00	5.75 -0.12 0.00	5.58 -0.07 0.00	14.43 -0.15 0.00	17.43 -0.27 0.00	14.14 -0.32 0.00	13.76 -0.37 0.00	7.86 -0.33 0.00
MAPLEWOD_115KV_TB3 80458	20.43 0.23 -15.26	16.26 0.24 -10.80	15.06 0.19 -10.87	13.76 0.19 -9.35	15.42 0.21 -10.68	18.90 0.24 -13.63	25.33 0.30 -18.91	30.78 0.34 -23.28	25.13 0.38 -16.67	20.57 0.43 -11.33	21.63 0.42 -12.62	23.06 0.29 -16.79	25.14 0.29 -18.88	26.46 0.29 -20.20	30.46 0.29 -24.33	31.28 0.24 -25.93	42.73 0.25 -37.37	49.54 0.29 -43.37	53.16 0.28 -47.23	45.15 0.73 -29.84	39.27 0.87 -20.71	31.40 0.71 -16.23	24.80 0.66 -10.01	23.06 0.38 -14.49
MAPLE RIDGE_WT_1 323574	-1.47 -0.28 6.13	-1.71 -0.30 6.64	-0.67 -0.23 4.44	-1.65 -0.25 5.62	-1.94 -0.27 6.19	-2.25 -0.30 6.99	-3.43 -0.37 9.18	-3.39 -0.42 10.14	-4.17 -0.45 11.80	-4.78 -0.49 13.09	-4.61 -0.47 12.72	-2.37 -0.33 8.01	-2.38 -0.33 8.01	-2.38 -0.34 8.01	-1.31 -0.32 6.83	4.84 -0.27 0.00	4.87 -0.24 0.00	5.66 -0.22 0.00	5.49 -0.16 0.00	14.18 -0.39 0.00	17.18 -0.51 0.00	14.01 -0.45 0.00	13.72 -0.41 0.00	7.94 -0.25 0.00

MAPLE_RIDGE_WT_2 323611	-1.47 -0.28 6.13	-1.71 -0.30 6.64	-0.67 -0.23 4.44	-1.65 -0.25 5.62	-1.94 -0.27 6.19	-2.25 -0.30 6.99	-3.43 -0.37 9.18	-3.39 -0.42 10.14	-4.17 -0.45 11.80	-4.78 -0.49 13.09	-4.61 -0.47 12.72	-2.37 -0.33 8.01	-2.38 -0.33 8.01	-2.38 -0.34 8.01	-1.31 -0.32 6.83	4.84 -0.27 0.00	4.87 -0.24 0.00	5.66 -0.22 0.00	5.49 -0.16 0.00	14.18 -0.39 0.00	17.18 -0.51 0.00	14.01 -0.45 0.00	13.72 -0.41 0.00	7.94 -0.25 0.00
MARBLE_RIVER_WT_PWR 323696	-0.04 -0.37 4.61	1.32 -0.41 3.49	-0.02 -0.32 3.70	-0.06 -0.33 3.94	-0.07 -0.36 4.23	-0.53 -0.39 5.17	0.09 -0.48 5.55	-0.11 -0.52 6.75	-0.52 -0.63 7.97	-0.52 -0.70 8.63	-0.14 -0.64 8.10	1.34 -0.43 4.21	-0.52 -0.43 6.06	1.37 -0.40 4.21	1.95 -0.31 3.59	4.90 -0.20 0.00	4.96 -0.15 0.00	5.78 -0.10 0.00	5.61 -0.05 0.00	14.49 -0.09 0.00	17.50 -0.19 0.00	14.14 -0.32 0.00	13.81 -0.32 0.00	7.91 -0.28 0.00
MARSHVLE_115KV_TB1 80742	23.88 0.37 -18.57	18.72 0.36 -13.14	17.51 0.28 -13.23	15.89 0.29 -11.38	17.85 0.32 -13.00	22.01 0.38 -16.60	29.68 0.53 -23.04	36.12 0.60 -28.36	29.02 0.64 -20.30	23.25 0.64 -13.80	24.59 0.63 -15.37	26.88 0.45 -20.45	29.49 0.45 -23.07	31.12 0.42 -24.73	36.19 0.42 -29.93	37.38 0.37 -31.91	51.80 0.38 -46.31	60.19 0.46 -53.85	64.71 0.45 -58.61	52.20 1.25 -36.37	44.41 1.50 -25.21	35.46 1.24 -19.75	27.41 1.10 -12.18	26.47 0.65 -17.64
MARSH_HILL_WT_PWR 323713	7.65 0.23 -2.48	7.27 0.29 -1.76	5.99 0.22 -1.77	5.95 0.21 -1.52	6.51 0.25 -1.74	7.51 0.27 -2.22	9.59 0.40 -3.07	11.37 0.42 -3.78	11.22 0.43 -2.71	11.08 0.43 -1.84	11.03 0.39 -2.05	8.93 0.23 -2.73	9.24 0.19 -3.09	9.48 0.19 -3.32	10.05 0.18 -4.03	9.54 0.14 -4.30	11.53 0.15 -6.28	13.37 0.18 -7.31	13.80 0.18 -7.97	20.01 0.57 -4.87	21.90 0.83 -3.37	17.90 0.79 -2.64	16.41 0.65 -1.63	11.06 0.51 -2.36
MCINTYRE_115KV_TB2 80467	2.21 -0.23 2.50	2.05 -0.23 2.94	2.06 -0.18 1.76	1.70 -0.18 2.34	1.73 -0.20 2.59	1.96 -0.21 2.86	1.92 -0.24 3.95	2.59 -0.29 4.28	2.76 -0.35 4.98	2.84 -0.41 5.55	2.74 -0.41 5.44	2.14 -0.28 3.56	2.42 -0.28 3.27	2.14 -0.28 3.55	2.54 -0.28 3.03	4.88 -0.22 0.00	4.88 -0.22 0.00	5.65 -0.23 0.00	5.47 -0.18 0.00	14.18 -0.39 0.00	17.15 -0.55 0.00	13.96 -0.51 0.00	13.62 -0.51 0.00	7.79 -0.40 0.00
MECO____69_KV_BK1 80468	23.01 0.39 -17.68	18.19 0.46 -12.51	16.95 0.36 -12.59	15.42 0.37 -10.84	17.32 0.42 -12.38	21.34 0.51 -15.80	28.75 0.70 -21.94	34.81 0.64 -27.00	28.20 0.79 -19.33	22.74 0.79 -13.14	23.88 0.65 -14.64	25.94 0.49 -19.47	28.41 0.49 -21.96	29.97 0.47 -23.53	34.76 0.46 -28.46	35.86 0.42 -30.34	49.54 0.44 -43.99	57.59 0.58 -51.14	61.86 0.56 -55.65	50.75 1.56 -34.61	43.55 1.86 -24.00	34.67 1.40 -18.80	27.21 1.48 -11.60	25.84 0.86 -16.79
MENANDS__115KV_TB5 355628	20.27 0.21 -15.12	16.14 0.22 -10.70	14.95 0.18 -10.77	13.66 0.18 -9.27	15.31 0.20 -10.58	18.76 0.22 -13.51	25.11 0.26 -18.74	30.53 0.30 -23.07	24.93 0.34 -16.51	20.43 0.40 -11.23	21.47 0.38 -12.51	22.87 0.26 -16.64	24.93 0.26 -18.70	26.23 0.25 -20.00	30.19 0.25 -24.10	31.00 0.21 -25.68	42.32 0.21 -37.00	49.06 0.25 -42.93	52.65 0.23 -46.77	44.75 0.60 -29.58	38.94 0.73 -20.53	31.17 0.62 -16.08	24.64 0.59 -9.92	22.89 0.34 -14.36
MG INDUSTRY__DRP 24185	19.98 0.20 -14.84	15.93 0.21 -10.50	14.74 0.17 -10.57	13.48 0.17 -9.09	15.10 0.19 -10.39	18.50 0.21 -13.26	24.74 0.26 -18.37	30.04 0.29 -22.60	24.57 0.32 -16.18	20.16 0.35 -11.00	21.19 0.34 -12.25	22.51 0.23 -16.30	24.58 0.23 -18.38	25.89 0.23 -19.69	29.88 0.22 -23.81	30.69 0.19 -25.39	42.11 0.19 -36.81	48.88 0.22 -42.78	52.52 0.21 -46.66	44.18 0.57 -29.04	38.50 0.67 -20.13	30.83 0.59 -15.77	24.41 0.55 -9.73	22.61 0.34 -14.08
MID__OSWEGATCHIE_HYD 23849	3.55 -0.25 1.14	3.39 -0.27 1.57	3.02 -0.20 0.78	2.82 -0.20 1.20	2.97 -0.23 1.33	3.39 -0.24 1.40	3.86 -0.28 1.97	4.79 -0.34 2.04	5.05 -0.40 2.64	5.18 -0.48 3.14	5.06 -0.48 3.05	3.84 -0.34 1.80	4.13 -0.33 1.51	3.94 -0.33 1.70	4.27 -0.32 1.25	5.53 -0.27 -0.69	5.89 -0.23 -1.01	6.81 -0.24 -1.18	6.74 -0.20 -1.28	14.94 -0.42 -0.78	17.71 -0.53 -0.54	14.42 -0.46 -0.43	13.94 -0.45 -0.26	8.25 -0.32 -0.38
MID__RAQUETTE_HYD 23851	2.28 -0.34 2.32	2.08 -0.35 2.78	2.12 -0.27 1.61	1.76 -0.28 2.17	1.80 -0.31 2.42	2.05 -0.33 2.65	2.00 -0.40 3.71	2.70 -0.47 3.99	2.91 -0.54 4.63	3.01 -0.62 5.18	2.90 -0.61 5.08	2.20 -0.41 3.36	2.54 -0.41 3.02	2.21 -0.41 3.36	2.59 -0.40 2.86	4.77 -0.33 0.00	4.79 -0.32 0.00	5.54 -0.33 0.00	5.36 -0.29 0.00	13.88 -0.70 0.00	16.79 -0.90 0.00	13.67 -0.80 0.00	13.37 -0.76 0.00	7.64 -0.55 0.00
MILLIKEN__1 23584	7.61 0.12 -2.55	7.17 0.15 -1.80	5.93 0.11 -1.82	5.89 0.11 -1.56	6.44 0.13 -1.79	7.44 0.14 -2.28	9.49 0.21 -3.16	11.28 0.23 -3.89	11.09 0.23 -2.78	10.92 0.22 -1.89	10.87 0.17 -2.11	8.88 0.10 -2.81	9.24 0.10 -3.17	9.48 0.10 -3.41	10.09 0.10 -4.14	9.60 0.09 -4.42	11.65 0.09 -6.45	13.50 0.11 -7.52	13.95 0.11 -8.19	19.90 0.32 -5.01	21.60 0.44 -3.47	17.55 0.38 -2.72	16.15 0.34 -1.68	10.89 0.28 -2.43
MILLIKEN__2 23585	7.61 0.12 -2.55	7.17 0.15 -1.80	5.93 0.11 -1.82	5.89 0.11 -1.56	6.44 0.13 -1.79	7.44 0.14 -2.28	9.49 0.21 -3.16	11.28 0.23 -3.89	11.09 0.23 -2.78	10.92 0.22 -1.89	10.87 0.17 -2.11	8.88 0.10 -2.81	9.24 0.10 -3.17	9.48 0.10 -3.41	10.09 0.10 -4.14	9.60 0.09 -4.42	11.65 0.09 -6.45	13.50 0.11 -7.52	13.95 0.11 -8.19	19.90 0.32 -5.01	21.60 0.44 -3.47	17.55 0.38 -2.72	16.15 0.34 -1.68	10.89 0.28 -2.43
MILLIKEN__DIESEL 23629	7.61 0.12 -2.55	7.17 0.15 -1.80	5.93 0.11 -1.82	5.89 0.11 -1.56	6.44 0.13 -1.79	7.44 0.14 -2.28	9.49 0.21 -3.16	11.28 0.23 -3.89	11.09 0.23 -2.78	10.92 0.22 -1.89	10.87 0.17 -2.11	8.88 0.10 -2.81	9.24 0.10 -3.17	9.48 0.10 -3.41	10.09 0.10 -4.14	9.60 0.09 -4.42	11.65 0.09 -6.45	13.50 0.11 -7.52	13.95 0.11 -8.19	19.90 0.32 -5.01	21.60 0.44 -3.47	17.55 0.38 -2.72	16.15 0.34 -1.68	10.89 0.28 -2.43
MILLSEAT__LFGE 323607	6.93 -0.01 -2.00	6.69 0.06 -1.42	5.47 0.04 -1.43	5.46 0.01 -1.23	5.96 0.03 -1.40	6.82 0.01 -1.79	8.61 0.02 -2.47	10.16 -0.05 -3.05	10.16 -0.10 -2.18	10.16 -0.12 -1.48	10.16 -0.08 -1.65	8.06 -0.10 -2.19	8.33 -0.12 -2.48	8.51 -0.13 -2.66	8.94 -0.14 -3.24	8.40 -0.15 -3.45	10.05 -0.12 -5.06	11.60 -0.18 -5.90	11.85 -0.23 -6.43	17.74 -0.77 -3.93	19.38 -1.04 -2.73	16.02 -0.58 -2.13	14.84 -0.61 -1.32	10.05 -0.05 -1.91
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	17.82 0.35 -12.53	14.43 0.34 -8.87	13.20 0.27 -8.93	12.20 0.30 -7.68	13.59 0.29 -8.77	16.56 0.34 -11.20	22.05 0.41 -15.53	26.75 0.49 -19.10	22.36 0.61 -13.68	18.80 0.70 -9.30	19.62 0.67 -10.36	20.21 0.46 -13.78	22.16 0.48 -15.72	23.42 0.48 -16.96	27.15 0.47 -20.83	27.74 0.41 -22.23	38.28 0.41 -32.76	44.66 0.47 -38.31	47.87 0.44 -41.78	40.13 1.08 -24.47	35.91 1.31 -16.90	28.67 0.97 -13.24	23.32 1.02 -8.17	20.61 0.60 -11.83

MILLWOOD_13_KV_LOAD 356217	17.83 0.36 -12.53	14.44 0.35 -8.87	13.20 0.27 -8.93	12.20 0.30 -7.68	13.60 0.30 -8.77	16.57 0.35 -11.20	22.06 0.42 -15.53	26.76 0.49 -19.10	22.37 0.61 -13.68	18.80 0.70 -9.30	19.63 0.68 -10.36	20.22 0.47 -13.78	22.17 0.49 -15.72	23.43 0.50 -16.96	27.16 0.49 -20.83	27.75 0.42 -22.23	38.29 0.42 -32.76	44.68 0.49 -38.31	47.89 0.46 -41.78	40.15 1.11 -24.47	35.96 1.36 -16.90	28.70 1.00 -13.24	23.33 1.03 -8.17	20.63 0.61 -11.83
MODEL_CITY_ENERGY 24167	6.89 -0.07 -2.03	6.64 -0.01 -1.43	5.44 -0.01 -1.44	5.42 -0.04 -1.24	5.91 -0.03 -1.42	6.77 -0.07 -1.81	8.49 -0.12 -2.50	10.02 -0.22 -3.08	10.02 -0.27 -2.21	10.02 -0.28 -1.50	10.03 -0.23 -1.67	8.00 -0.20 -2.22	8.27 -0.21 -2.51	8.45 -0.22 -2.70	8.89 -0.23 -3.28	8.36 -0.23 -3.49	10.01 -0.21 -5.12	11.55 -0.29 -5.96	11.80 -0.35 -6.50	17.40 -1.15 -3.97	19.05 -1.40 -2.75	15.77 -0.85 -2.16	14.60 -0.86 -1.33	9.93 -0.18 -1.93
MODERN_LFGE_ 323580	6.89 -0.07 -2.03	6.64 -0.01 -1.43	5.44 -0.01 -1.44	5.42 -0.04 -1.24	5.91 -0.03 -1.42	6.77 -0.07 -1.81	8.49 -0.12 -2.50	10.02 -0.22 -3.08	10.02 -0.27 -2.21	10.02 -0.28 -1.50	10.03 -0.23 -1.67	8.00 -0.20 -2.22	8.27 -0.21 -2.51	8.45 -0.22 -2.70	8.89 -0.23 -3.28	8.36 -0.23 -3.49	10.01 -0.21 -5.12	11.55 -0.29 -5.96	11.80 -0.35 -6.50	17.40 -1.15 -3.97	19.05 -1.40 -2.75	15.77 -0.85 -2.16	14.60 -0.86 -1.33	9.93 -0.18 -1.93
MOHAWK_PAPER___DRP 24187	20.43 0.23 -15.26	16.26 0.24 -10.80	15.06 0.19 -10.87	13.76 0.19 -9.35	15.42 0.21 -10.68	18.90 0.24 -13.63	25.33 0.30 -18.91	30.78 0.34 -23.28	25.13 0.38 -16.67	20.57 0.43 -11.33	21.63 0.42 -12.62	23.06 0.29 -16.79	25.14 0.29 -18.88	26.46 0.29 -20.20	30.46 0.29 -24.33	31.28 0.24 -25.93	42.73 0.25 -37.37	49.54 0.29 -43.37	53.16 0.28 -47.23	45.15 0.73 -29.84	39.27 0.87 -20.71	31.40 0.71 -16.23	24.80 0.66 -10.01	23.06 0.38 -14.49
MOHICAN___35_KV_115KV_LD 80490	20.74 0.14 -15.66	16.42 0.12 -11.08	15.25 0.09 -11.15	13.90 0.09 -9.60	15.60 0.11 -10.96	19.16 0.14 -13.99	25.75 0.21 -19.43	31.32 0.25 -23.91	25.43 0.23 -17.12	20.71 0.26 -11.64	21.83 0.27 -12.96	23.44 0.22 -17.25	25.59 0.22 -19.40	26.94 0.22 -20.75	31.07 0.20 -25.02	31.95 0.18 -26.67	43.75 0.19 -38.46	50.74 0.22 -44.64	54.43 0.21 -48.57	45.82 0.61 -30.63	39.65 0.71 -21.25	31.65 0.54 -16.65	24.81 0.41 -10.27	23.28 0.22 -14.87
MONGAUP___HYD 23641	16.55 0.30 -11.32	13.53 0.31 -8.01	12.30 0.24 -8.06	11.41 0.26 -6.94	12.71 0.26 -7.92	15.43 0.29 -10.11	20.51 0.37 -14.02	24.85 0.43 -17.25	20.93 0.50 -12.35	17.71 0.51 -8.40	18.44 0.50 -9.36	18.76 0.33 -12.45	20.50 0.34 -14.19	21.62 0.35 -15.30	24.98 0.35 -18.78	25.41 0.27 -20.04	35.23 0.28 -29.84	41.02 0.26 -34.89	43.95 0.25 -38.04	37.62 0.70 -22.34	34.01 0.88 -15.44	27.31 0.75 -12.10	22.55 0.96 -7.46	19.54 0.56 -10.80
MONTAUK___DIESEL 23721	18.16 0.64 -12.58	14.69 0.57 -8.90	13.40 0.44 -8.96	12.40 0.47 -7.71	13.81 0.48 -8.81	20.17 0.66 -14.48	26.28 0.83 -19.34	27.35 1.01 -19.18	25.94 1.09 -16.77	21.92 1.24 -11.87	26.08 1.36 -16.13	26.02 0.92 -19.12	26.35 0.95 -19.42	26.86 0.97 -19.91	27.66 0.90 -20.91	28.24 0.82 -22.32	38.73 0.69 -32.93	45.22 0.84 -38.50	48.45 0.81 -41.99	41.30 2.13 -24.60	45.73 2.83 -25.21	29.73 1.95 -13.31	27.26 1.95 -11.18	24.53 1.13 -15.21
MOONROAD_115KV_HARTFLD_TB1-2 355988	7.27 0.03 -2.30	6.92 0.07 -1.62	5.68 0.04 -1.64	5.64 0.01 -1.41	6.16 0.02 -1.61	7.06 -0.03 -2.05	8.97 0.01 -2.85	10.65 -0.02 -3.51	10.62 0.02 -2.51	10.53 0.02 -1.71	10.49 -0.01 -1.90	8.42 -0.08 -2.53	8.70 -0.13 -2.86	8.88 -0.17 -3.08	9.39 -0.19 -3.74	8.87 -0.20 -3.97	10.73 -0.18 -5.81	12.41 -0.22 -6.76	12.79 -0.23 -7.37	18.40 -0.69 -4.50	20.21 -0.60 -3.12	16.60 -0.30 -2.44	15.43 -0.21 -1.51	10.54 0.17 -2.18
MORTIMER_115KV_TB3 55949	6.65 0.05 -1.66	6.46 0.06 -1.17	5.22 0.03 -1.18	5.25 0.02 -1.02	5.73 0.04 -1.16	6.55 0.04 -1.48	8.21 0.05 -2.05	9.73 0.04 -2.53	9.90 0.01 -1.81	10.03 0.00 -1.23	10.01 0.05 -1.37	7.79 -0.01 -1.82	8.01 -0.02 -2.06	8.17 -0.02 -2.21	8.52 -0.02 -2.69	7.94 -0.03 -2.87	9.28 -0.02 -4.19	10.71 -0.05 -4.88	10.88 -0.09 -5.32	17.52 -0.31 -3.25	19.58 -0.37 -2.25	16.05 -0.17 -1.77	14.99 -0.23 -1.09	9.85 0.09 -1.58
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	17.90 0.39 -12.58	14.49 0.38 -8.90	13.26 0.29 -8.96	12.26 0.33 -7.71	13.65 0.32 -8.80	16.64 0.37 -11.24	22.14 0.44 -15.58	26.87 0.53 -19.18	22.48 0.67 -13.73	18.90 0.77 -9.34	19.73 0.75 -10.40	20.32 0.51 -13.83	22.27 0.53 -15.78	23.53 0.54 -17.02	27.27 0.52 -20.90	27.86 0.45 -22.31	38.48 0.45 -32.92	44.89 0.52 -38.50	48.12 0.49 -41.98	40.35 1.18 -24.59	36.11 1.43 -16.98	28.80 1.03 -13.31	23.44 1.10 -8.21	20.73 0.66 -11.88
MUNSVILLE_WIND_PWR 323609	8.91 0.26 -3.71	8.14 0.29 -2.63	6.85 0.20 -2.64	6.73 0.24 -2.27	7.37 0.25 -2.60	8.65 0.31 -3.32	11.18 0.47 -4.60	13.33 0.51 -5.66	12.62 0.49 -4.05	11.96 0.40 -2.76	12.00 0.34 -3.07	10.24 0.19 -4.08	10.78 0.19 -4.62	11.12 0.19 -4.96	12.06 0.19 -6.02	11.72 0.19 -6.42	14.71 0.21 -9.39	17.07 0.26 -10.94	17.86 0.29 -11.92	22.85 0.99 -7.28	24.01 1.27 -5.04	19.44 1.03 -3.95	17.47 0.91 -2.44	12.26 0.54 -3.53
N SALMON___HYD 24042	2.57 -0.33 2.04	1.59 -0.37 3.26	2.50 -0.28 1.22	1.85 -0.30 2.07	1.85 -0.32 2.36	2.31 -0.35 2.37	1.70 -0.42 4.00	2.73 -0.46 3.98	2.98 -0.55 4.55	3.00 -0.61 5.20	2.77 -0.57 5.25	1.66 -0.38 3.93	2.95 -0.38 2.64	1.68 -0.36 3.93	2.20 -0.29 3.35	4.90 -0.20 0.00	4.94 -0.16 0.00	5.75 -0.12 0.00	5.58 -0.07 0.00	14.43 -0.15 0.00	17.43 -0.26 0.00	14.10 -0.36 0.00	13.76 -0.37 0.00	7.88 -0.31 0.00
N.AKRON___115KV_KNAPP 355671	6.95 0.01 -2.00	6.70 0.07 -1.42	5.47 0.04 -1.42	5.46 0.02 -1.23	5.96 0.04 -1.40	6.83 0.01 -1.79	8.53 -0.06 -2.47	10.06 -0.14 -3.04	10.08 -0.18 -2.17	10.09 -0.19 -1.48	10.08 -0.15 -1.65	8.02 -0.15 -2.19	8.28 -0.17 -2.48	8.46 -0.18 -2.66	8.90 -0.19 -3.24	8.38 -0.19 -3.46	10.00 -0.17 -5.06	11.54 -0.24 -5.90	11.79 -0.29 -6.43	17.53 -0.98 -3.93	19.39 -1.03 -2.72	15.94 -0.65 -2.13	14.87 -0.58 -1.31	10.13 0.04 -1.90
N.BELMOR_69_KV_BK1 55787	18.00 0.48 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.70 0.37 -8.81	19.97 0.47 -14.48	26.01 0.56 -19.34	26.97 0.63 -19.18	25.64 0.78 -16.77	21.59 0.92 -11.87	25.62 0.89 -16.13	25.71 0.61 -19.12	26.01 0.62 -19.42	26.51 0.63 -19.91	27.32 0.57 -20.91	27.94 0.52 -22.31	38.47 0.43 -32.93	44.92 0.53 -38.50	48.16 0.51 -41.99	40.52 1.36 -24.59	36.43 1.75 -16.99	29.04 1.27 -13.31	26.66 1.36 -11.18	24.21 0.81 -15.21
N.E._GEN_SANDY PD 24062	19.22 0.22 -14.06	15.40 0.24 -9.94	14.20 0.18 -10.01	13.02 0.19 -8.61	14.58 0.21 -9.84	17.81 0.22 -12.56	23.80 0.27 -17.42	28.90 0.31 -21.43	23.78 0.36 -15.34	19.76 0.40 -10.56	20.47 0.39 -11.49	21.69 0.26 -15.46	22.92 0.26 -16.69	23.64 0.26 -17.41	23.50 0.25 -17.41	24.96 0.21 -19.64	32.67 0.21 -27.35	36.98 0.26 -30.85	39.36 0.24 -33.47	42.30 0.60 -27.12	37.40 0.74 -18.96	30.12 0.62 -15.03	23.96 0.62 -9.21	21.87 0.34 -13.34

N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	17.50 0.36 -12.21	14.22 0.35 -8.65	12.99 0.27 -8.71	12.02 0.30 -7.49	13.38 0.30 -8.56	16.30 0.35 -10.93	21.69 0.42 -15.15	26.31 0.50 -18.64	22.05 0.62 -13.35	18.58 0.70 -9.08	19.38 0.68 -10.11	19.89 0.47 -13.45	21.79 0.48 -15.34	23.01 0.49 -16.55	26.64 0.48 -20.32	27.20 0.42 -21.68	37.40 0.41 -31.88	43.62 0.47 -37.27	46.74 0.44 -40.65	39.50 1.09 -23.83	35.50 1.34 -16.46	28.34 0.98 -12.90	23.13 1.05 -7.95	20.32 0.61 -11.52
N. QUEENS_27_KV_LOAD 356247	17.93 0.41 -12.59	14.55 0.43 -8.91	13.30 0.33 -8.97	12.31 0.37 -7.72	13.70 0.37 -8.80	16.64 0.37 -11.24	22.11 0.41 -15.58	26.85 0.52 -19.18	22.50 0.69 -13.73	18.94 0.80 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.28 0.53 -20.90	27.87 0.46 -22.31	38.50 0.47 -32.91	44.91 0.55 -38.49	48.14 0.51 -41.98	40.39 1.22 -24.59	36.13 1.45 -16.98	28.74 0.97 -13.31	23.40 1.06 -8.21	20.77 0.70 -11.88
N. TROY___115KV_TB1 355778	20.45 0.18 -15.33	16.27 0.20 -10.85	15.08 0.16 -10.92	13.77 0.15 -9.40	15.43 0.18 -10.73	18.92 0.19 -13.70	25.36 0.24 -19.01	30.83 0.28 -23.39	25.13 0.30 -16.75	20.54 0.34 -11.39	21.60 0.33 -12.68	23.07 0.23 -16.87	25.13 0.22 -18.94	26.43 0.22 -20.24	30.39 0.21 -24.34	31.22 0.18 -25.94	42.54 0.18 -37.25	49.29 0.22 -43.20	52.89 0.21 -47.03	45.10 0.55 -29.97	39.17 0.67 -20.80	31.34 0.58 -16.30	24.72 0.54 -10.05	23.04 0.29 -14.56
NARROWS_GT1_1 24228	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT1_2 24229	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT1_3 24230	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT1_4 24231	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT1_5 24232	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT1_6 24233	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT1_7 24234	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT1_8 24235	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT2_1 24236	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT2_2 24237	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT2_3 24238	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT2_4 24239	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88

NARROWS_GT2_5 24240	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT2_6 24241	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT2_7 24242	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NARROWS_GT2_8 24243	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	19.41 0.23 -14.25	15.53 0.23 -10.08	14.33 0.18 -10.15	13.13 0.18 -8.73	14.71 0.21 -9.97	17.99 0.24 -12.73	24.07 0.32 -17.64	29.24 0.37 -21.71	23.98 0.36 -15.54	19.72 0.35 -10.57	20.70 0.34 -11.77	21.87 0.24 -15.66	23.87 0.23 -17.67	25.15 0.22 -18.95	29.04 0.23 -22.96	29.79 0.21 -24.48	40.91 0.21 -35.59	47.51 0.24 -41.40	51.04 0.24 -45.14	43.22 0.74 -27.90	37.93 0.90 -19.34	30.38 0.77 -15.15	24.12 0.65 -9.34	22.10 0.38 -13.53
NCHELSEA_115KV_TR2 355582	17.75 0.35 -12.47	14.39 0.35 -8.82	13.16 0.28 -8.88	12.16 0.30 -7.64	13.55 0.30 -8.73	16.51 0.34 -11.14	21.98 0.43 -15.44	26.67 0.50 -19.00	22.29 0.61 -13.60	18.72 0.66 -9.25	19.53 0.64 -10.30	20.12 0.44 -13.71	22.03 0.45 -15.61	23.26 0.45 -16.83	26.93 0.45 -20.63	27.51 0.40 -22.01	38.10 0.40 -32.59	44.41 0.45 -38.09	47.61 0.42 -41.53	40.19 1.11 -24.50	35.99 1.36 -16.93	28.76 1.03 -13.27	23.37 1.06 -8.18	20.67 0.63 -11.85
NEG CAPITAL___MECHNVIL 23645	20.70 0.21 -15.55	16.43 0.21 -11.00	15.24 0.16 -11.07	13.91 0.16 -9.53	15.60 0.19 -10.88	19.14 0.22 -13.89	25.66 0.28 -19.26	31.19 0.33 -23.70	25.40 0.36 -16.97	20.75 0.40 -11.55	21.84 0.39 -12.87	23.38 0.29 -17.12	25.49 0.28 -19.24	26.83 0.28 -20.58	30.90 0.27 -24.79	31.75 0.23 -26.42	43.41 0.25 -38.05	50.32 0.29 -44.16	54.03 0.27 -48.10	45.74 0.73 -30.43	39.68 0.87 -21.12	31.69 0.68 -16.55	24.94 0.61 -10.20	23.30 0.34 -14.78
NEG CENTRAL_HIGH_ACRES 23767	6.52 -0.05 -1.63	6.35 -0.02 -1.15	5.13 -0.03 -1.16	5.17 -0.04 -1.00	5.64 -0.03 -1.14	6.45 -0.03 -1.45	8.10 -0.02 -2.02	9.61 -0.04 -2.48	9.79 -0.06 -1.78	9.93 -0.08 -1.21	9.88 -0.06 -1.34	7.68 -0.08 -1.79	7.90 -0.09 -2.02	8.06 -0.09 -2.17	8.40 -0.08 -2.64	7.83 -0.09 -2.81	9.14 -0.08 -4.12	10.56 -0.11 -4.79	10.73 -0.14 -5.22	17.36 -0.41 -3.19	19.41 -0.50 -2.21	15.90 -0.29 -1.73	14.83 -0.37 -1.07	9.66 -0.07 -1.55
NEG CENTRAL___DRP 24199	6.76 0.07 -1.75	6.55 0.09 -1.24	5.31 0.06 -1.25	5.34 0.05 -1.07	5.83 0.08 -1.22	6.67 0.08 -1.56	8.42 0.14 -2.17	9.98 0.15 -2.67	10.14 0.15 -1.91	10.25 0.15 -1.30	10.16 0.12 -1.45	7.96 0.06 -1.92	8.19 0.05 -2.18	8.36 0.05 -2.34	8.74 0.05 -2.84	8.16 0.04 -3.03	9.57 0.04 -4.42	11.08 0.05 -5.15	11.30 0.03 -5.62	18.11 0.10 -3.43	20.23 0.16 -2.38	16.48 0.16 -1.86	15.39 0.11 -1.15	10.03 0.18 -1.66
NEG CENTRAL___INDECK 23768	7.31 0.28 -2.09	7.02 0.32 -1.48	5.72 0.23 -1.49	5.72 0.22 -1.28	6.26 0.28 -1.46	7.21 0.31 -1.87	9.12 0.42 -2.59	10.79 0.44 -3.19	10.76 0.40 -2.28	10.72 0.37 -1.55	10.69 0.37 -1.73	8.49 0.21 -2.30	8.75 0.18 -2.60	8.94 0.17 -2.79	9.41 0.18 -3.39	8.86 0.14 -3.62	10.55 0.15 -5.29	12.22 0.19 -6.16	12.54 0.18 -6.71	19.23 0.55 -4.10	21.31 0.78 -2.84	17.51 0.82 -2.23	16.14 0.64 -1.37	10.67 0.50 -1.99
NEG CENTRAL___SENECA 23627	6.94 0.10 -1.90	6.70 0.14 -1.34	5.46 0.10 -1.35	5.48 0.10 -1.16	5.98 0.12 -1.33	6.85 0.13 -1.70	8.67 0.21 -2.35	10.27 0.21 -2.90	10.37 0.22 -2.07	10.42 0.21 -1.41	10.33 0.17 -1.57	8.16 0.10 -2.09	8.40 0.07 -2.36	8.60 0.08 -2.54	9.02 0.09 -3.08	8.45 0.06 -3.29	9.99 0.07 -4.81	11.56 0.08 -5.60	11.81 0.06 -6.10	18.48 0.17 -3.73	20.52 0.25 -2.58	16.72 0.23 -2.02	15.58 0.20 -1.25	10.26 0.26 -1.81
NEG CENTRAL___STATE_STREET 24147	6.76 0.09 -1.73	6.51 0.07 -1.22	5.29 0.05 -1.23	5.31 0.04 -1.06	5.79 0.05 -1.21	6.63 0.06 -1.54	8.37 0.12 -2.14	9.99 0.20 -2.63	10.11 0.15 -1.88	10.23 0.15 -1.28	10.20 0.18 -1.43	7.98 0.11 -1.90	8.21 0.10 -2.15	8.38 0.10 -2.31	8.75 0.10 -2.80	8.17 0.08 -2.99	9.56 0.08 -4.37	11.05 0.09 -5.09	11.27 0.07 -5.54	18.18 0.22 -3.39	20.34 0.30 -2.35	16.57 0.27 -1.84	15.39 0.13 -1.13	9.98 0.16 -1.64
NEG MILLWOOD___DRP 24198	17.91 0.36 -12.61	14.50 0.35 -8.92	13.27 0.28 -8.98	12.26 0.31 -7.73	13.66 0.30 -8.83	16.65 0.35 -11.27	22.17 0.43 -15.63	26.89 0.49 -19.23	22.45 0.60 -13.77	18.83 0.67 -9.36	19.67 0.65 -10.43	20.29 0.45 -13.87	22.25 0.48 -15.81	23.51 0.49 -17.04	27.24 0.49 -20.91	27.84 0.43 -22.31	38.55 0.43 -33.01	44.95 0.50 -38.58	48.20 0.47 -42.07	40.48 1.15 -24.75	36.21 1.42 -17.10	28.93 1.07 -13.40	23.47 1.07 -8.26	20.79 0.64 -11.97
NEG NORTH_FLCN_SEA 23793	0.01 -0.32 4.61	1.37 -0.37 3.48	0.01 -0.28 3.71	-0.02 -0.30 3.94	-0.02 -0.32 4.23	-0.49 -0.34 5.18	0.15 -0.42 5.54	-0.04 -0.44 6.75	-0.47 -0.55 8.00	-0.46 -0.61 8.65	-0.07 -0.54 8.12	1.40 -0.37 4.21	-0.47 -0.38 6.06	1.42 -0.36 4.20	2.01 -0.26 3.58	4.95 -0.15 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.65 0.07 0.00	17.68 -0.02 0.00	14.36 -0.10 0.00	13.95 -0.18 0.00	7.97 -0.22 0.00
NEG NORTH_KES_CHATEGAY 23792	-0.06 -0.36 4.65	1.40 -0.40 3.42	-0.06 -0.31 3.75	-0.06 -0.32 3.95	-0.06 -0.35 4.24	-0.56 -0.38 5.21	0.14 -0.46 5.51	-0.11 -0.52 6.75	-0.55 -0.63 8.01	-0.54 -0.70 8.65	-0.14 -0.64 8.10	1.41 -0.43 4.14	-0.57 -0.42 6.11	1.45 -0.39 4.13	2.02 -0.30 3.52	4.90 -0.20 0.00	4.96 -0.15 0.00	5.78 -0.10 0.00	5.61 -0.05 0.00	14.49 -0.09 0.00	17.50 -0.19 0.00	14.22 -0.25 0.00	13.81 -0.33 0.00	7.89 -0.30 0.00

NEG NORTH___ALICE_FALLS 23915	0.01 -0.31 4.62	1.39 -0.37 3.47	0.01 -0.28 3.71	0.00 -0.27 3.94	0.00 -0.29 4.23	-0.46 -0.31 5.18	0.17 -0.40 5.54	0.00 -0.41 6.75	-0.42 -0.50 8.00	-0.39 -0.55 8.65	-0.02 -0.50 8.11	1.43 -0.35 4.20	-0.45 -0.35 6.07	1.43 -0.36 4.19	2.01 -0.26 3.57	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.67 0.09 0.00	17.69 0.00 0.00	14.36 -0.10 0.00	13.95 -0.18 0.00	7.96 -0.23 0.00
NEG NORTH___LWR_SARANAC 23913	0.01 -0.31 4.62	1.39 -0.37 3.47	0.01 -0.28 3.71	0.00 -0.27 3.94	0.00 -0.29 4.23	-0.46 -0.31 5.18	0.17 -0.40 5.54	0.00 -0.41 6.75	-0.42 -0.50 8.00	-0.39 -0.55 8.65	-0.02 -0.50 8.11	1.43 -0.35 4.20	-0.45 -0.35 6.07	1.43 -0.36 4.19	2.01 -0.26 3.57	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.67 0.09 0.00	17.69 0.00 0.00	14.36 -0.10 0.00	13.95 -0.18 0.00	7.96 -0.23 0.00
NEG NORTH___PLATTSBURG 23628	0.01 -0.31 4.62	1.39 -0.37 3.47	0.01 -0.28 3.71	0.00 -0.27 3.94	0.00 -0.29 4.23	-0.46 -0.31 5.18	0.17 -0.40 5.54	0.00 -0.41 6.75	-0.40 -0.50 7.98	-0.37 -0.55 8.63	0.00 -0.50 8.09	1.44 -0.35 4.19	-0.45 -0.35 6.07	1.43 -0.36 4.19	2.01 -0.26 3.57	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.67 0.02 0.00	14.67 0.09 0.00	17.69 0.00 0.00	14.29 -0.17 0.00	13.95 -0.18 0.00	7.98 -0.21 0.00
NEG WEST_LEA_LOCKPORT 23791	6.94 -0.01 -2.02	6.68 0.03 -1.43	5.46 0.02 -1.44	5.45 -0.01 -1.24	5.94 0.00 -1.41	6.80 -0.04 -1.80	8.54 -0.06 -2.49	10.08 -0.14 -3.06	10.09 -0.18 -2.19	10.10 -0.19 -1.49	10.10 -0.15 -1.66	8.05 -0.14 -2.21	8.31 -0.16 -2.50	8.49 -0.17 -2.68	8.94 -0.17 -3.26	8.41 -0.18 -3.49	10.04 -0.17 -5.10	11.58 -0.23 -5.94	11.84 -0.29 -6.48	17.54 -0.99 -3.96	19.25 -1.19 -2.74	15.83 -0.78 -2.15	14.75 -0.71 -1.33	10.08 -0.02 -1.92
NEG WEST___LANCASTR 23811	7.16 -0.09 -2.31	6.80 -0.06 -1.64	5.60 -0.05 -1.65	5.56 -0.08 -1.42	6.07 -0.07 -1.62	6.98 -0.12 -2.07	8.87 -0.12 -2.88	10.53 -0.17 -3.54	10.40 -0.21 -2.53	10.30 -0.23 -1.72	10.30 -0.21 -1.92	8.35 -0.17 -2.55	8.67 -0.19 -2.89	8.88 -0.20 -3.10	9.42 -0.20 -3.77	8.90 -0.20 -4.00	10.77 -0.19 -5.85	12.44 -0.25 -6.81	12.79 -0.29 -7.43	18.21 -0.90 -4.54	19.81 -1.03 -3.15	16.22 -0.71 -2.46	14.96 -0.69 -1.52	10.30 -0.09 -2.20
NEG_PENN_ALLEGHNY 23528	8.96 0.09 -3.93	8.11 0.11 -2.78	6.89 0.08 -2.80	6.71 0.08 -2.41	7.37 0.09 -2.75	8.63 0.09 -3.51	11.13 0.14 -4.87	13.32 0.16 -6.00	12.54 0.16 -4.29	11.90 0.18 -2.92	12.00 0.15 -3.25	10.39 0.09 -4.33	10.95 0.08 -4.89	11.32 0.09 -5.25	12.32 0.09 -6.38	11.98 0.07 -6.81	15.12 0.08 -9.94	17.52 0.08 -11.57	18.32 0.06 -12.61	22.41 0.13 -7.71	23.23 0.19 -5.34	18.86 0.22 -4.18	16.89 0.18 -2.58	12.10 0.18 -3.73
NEG___GEN_MONROE 24207	6.67 0.07 -1.66	6.49 0.09 -1.17	5.24 0.05 -1.18	5.27 0.04 -1.02	5.75 0.07 -1.16	6.59 0.08 -1.48	8.25 0.09 -2.05	9.77 0.09 -2.53	9.94 0.05 -1.81	10.07 0.04 -1.23	10.03 0.07 -1.37	7.80 0.01 -1.82	8.02 -0.01 -2.06	8.17 -0.02 -2.21	8.52 -0.02 -2.69	7.94 -0.03 -2.87	9.28 -0.02 -4.19	10.71 -0.05 -4.88	10.89 -0.08 -5.32	17.57 -0.26 -3.25	19.65 -0.30 -2.25	16.14 -0.09 -1.77	15.11 -0.11 -1.09	9.91 0.15 -1.58
NEPA___ENERGY 23901	7.63 -0.01 -2.70	7.16 0.03 -1.91	5.95 0.02 -1.92	5.87 0.00 -1.66	6.43 0.01 -1.89	7.42 -0.02 -2.41	9.46 -0.01 -3.35	11.24 -0.04 -4.12	10.97 -0.06 -2.95	10.73 -0.08 -2.01	10.76 -0.07 -2.24	8.88 -0.07 -2.97	9.24 -0.09 -3.37	9.50 -0.09 -3.61	10.15 -0.09 -4.39	9.68 -0.10 -4.68	11.86 -0.09 -6.84	13.72 -0.12 -7.96	14.17 -0.16 -8.68	19.31 -0.57 -5.30	20.71 -0.65 -3.67	16.92 -0.42 -2.88	15.50 -0.41 -1.77	10.80 0.04 -2.57
NEVERSINK___HYD 23608	15.80 0.29 -10.57	13.00 0.30 -7.48	11.77 0.24 -7.53	10.96 0.26 -6.48	12.18 0.26 -7.40	14.77 0.30 -9.45	19.59 0.38 -13.10	23.70 0.42 -16.12	20.15 0.53 -11.54	17.19 0.55 -7.85	17.83 0.50 -8.74	17.93 0.33 -11.62	19.53 0.35 -13.22	20.57 0.36 -14.24	23.48 0.20 -17.43	23.89 0.19 -18.60	32.81 0.19 -27.51	38.21 0.21 -32.13	40.89 0.21 -35.03	35.96 0.58 -20.80	33.26 1.19 -14.38	26.67 0.94 -11.27	22.06 0.97 -6.95	18.82 0.57 -10.06
NEWKRMKL_115KV_TB1 55635	20.32 0.22 -15.17	16.19 0.23 -10.73	14.99 0.18 -10.80	13.70 0.19 -9.30	15.35 0.21 -10.62	18.81 0.23 -13.55	25.18 0.28 -18.79	30.62 0.32 -23.14	25.01 0.36 -16.56	20.49 0.42 -11.26	21.54 0.40 -12.54	22.94 0.28 -16.69	25.01 0.27 -18.77	26.33 0.27 -20.08	30.33 0.27 -24.21	31.14 0.23 -25.81	42.57 0.23 -37.23	49.36 0.27 -43.21	52.99 0.25 -47.08	44.91 0.66 -29.67	39.08 0.80 -20.59	31.26 0.67 -16.13	24.71 0.64 -9.95	22.96 0.37 -14.40
NEWTON___FALLS_HYD 23847	3.55 -0.25 1.14	3.39 -0.27 1.57	3.02 -0.20 0.78	2.82 -0.20 1.20	2.97 -0.23 1.33	3.39 -0.24 1.40	3.86 -0.28 1.97	4.79 -0.34 2.04	5.05 -0.40 2.64	5.18 -0.48 3.14	5.06 -0.48 3.05	3.84 -0.34 1.80	4.13 -0.33 1.51	3.94 -0.33 1.70	4.27 -0.32 1.25	5.53 -0.27 -0.69	5.89 -0.23 -1.01	6.81 -0.24 -1.18	6.74 -0.20 -1.28	14.94 -0.42 -0.78	17.71 -0.53 -0.54	14.42 -0.46 -0.43	13.94 -0.45 -0.26	8.25 -0.32 -0.38
NGRID_A1_DSASP 323792	6.87 -0.11 -2.04	6.61 -0.05 -1.44	5.41 -0.05 -1.45	5.39 -0.07 -1.25	5.89 -0.07 -1.43	6.73 -0.12 -1.82	8.46 -0.13 -2.48	9.99 -0.23 -3.06	9.98 -0.29 -2.18	9.98 -0.30 -1.48	9.98 -0.26 -1.65	7.96 -0.21 -2.20	8.24 -0.22 -2.49	8.42 -0.23 -2.67	8.87 -0.23 -3.25	8.34 -0.23 -3.47	9.99 -0.21 -5.09	11.51 -0.29 -5.93	11.80 -0.36 -6.50	17.35 -1.21 -3.98	18.98 -1.49 -2.77	15.68 -0.95 -2.17	14.55 -0.92 -1.34	9.92 -0.21 -1.94
NGRID_A2_DSASP 323793	6.87 -0.11 -2.04	6.61 -0.05 -1.44	5.41 -0.05 -1.45	5.39 -0.07 -1.25	5.89 -0.07 -1.43	6.73 -0.12 -1.82	8.46 -0.13 -2.48	9.99 -0.23 -3.06	9.98 -0.29 -2.18	9.98 -0.30 -1.48	9.98 -0.26 -1.65	7.96 -0.21 -2.20	8.24 -0.22 -2.49	8.42 -0.23 -2.67	8.87 -0.23 -3.25	8.34 -0.23 -3.47	9.99 -0.21 -5.09	11.51 -0.29 -5.93	11.80 -0.36 -6.50	17.35 -1.21 -3.98	18.98 -1.49 -2.77	15.68 -0.95 -2.17	14.55 -0.92 -1.34	9.92 -0.21 -1.94
NGRID_A4_DSASP 323807	6.87 -0.11 -2.04	6.61 -0.05 -1.44	5.41 -0.05 -1.45	5.39 -0.07 -1.25	5.89 -0.07 -1.43	6.73 -0.12 -1.82	8.46 -0.13 -2.48	9.99 -0.23 -3.06	9.98 -0.29 -2.18	9.98 -0.30 -1.48	9.98 -0.26 -1.65	7.96 -0.21 -2.20	8.24 -0.22 -2.49	8.42 -0.23 -2.67	8.87 -0.23 -3.25	8.34 -0.23 -3.47	9.99 -0.21 -5.09	11.51 -0.29 -5.93	11.80 -0.36 -6.50	17.35 -1.21 -3.98	18.98 -1.49 -2.77	15.68 -0.95 -2.17	14.55 -0.92 -1.34	9.92 -0.21 -1.94
NIAGARA_115E_LBMP 323715	6.88 -0.09 -2.04	6.63 -0.03 -1.44	5.43 -0.03 -1.45	5.41 -0.05 -1.25	5.91 -0.05 -1.42	6.76 -0.09 -1.82	8.48 -0.15 -2.52	10.00 -0.26 -3.10	9.99 -0.31 -2.22	9.99 -0.32 -1.51	9.99 -0.28 -1.68	7.99 -0.22 -2.23	8.25 -0.24 -2.53	8.44 -0.25 -2.71	8.88 -0.26 -3.29	8.36 -0.25 -3.51	10.02 -0.23 -5.14	11.55 -0.32 -5.99	11.81 -0.37 -6.53	17.35 -1.22 -3.99	18.97 -1.49 -2.77	15.70 -0.93 -2.17	14.53 -0.93 -1.34	9.90 -0.22 -1.94

NIAGARA_115W_LBMP 323714	6.85 -0.12 -2.04	6.59 -0.07 -1.44	5.40 -0.06 -1.45	5.38 -0.08 -1.25	5.87 -0.08 -1.43	6.72 -0.13 -1.82	8.44 -0.15 -2.48	9.97 -0.24 -3.05	9.96 -0.31 -2.18	9.95 -0.33 -1.48	9.95 -0.28 -1.65	7.95 -0.22 -2.20	8.22 -0.24 -2.49	8.40 -0.25 -2.67	8.86 -0.24 -3.25	8.32 -0.24 -3.47	9.97 -0.22 -5.08	11.49 -0.31 -5.92	11.78 -0.37 -6.49	17.31 -1.24 -3.98	18.94 -1.52 -2.77	15.63 -1.00 -2.17	14.51 -0.96 -1.34	9.89 -0.24 -1.94
NIAGARA_230_LBMP 323716	6.90 -0.05 -2.02	6.65 0.00 -1.43	5.44 0.00 -1.44	5.43 -0.03 -1.24	5.92 -0.02 -1.41	6.77 -0.06 -1.80	8.53 -0.08 -2.50	10.08 -0.16 -3.07	10.07 -0.21 -2.20	10.09 -0.21 -1.50	10.09 -0.17 -1.67	8.04 -0.15 -2.22	8.31 -0.17 -2.51	8.49 -0.17 -2.69	8.94 -0.18 -3.27	8.41 -0.18 -3.49	10.05 -0.16 -5.10	11.59 -0.23 -5.94	11.83 -0.29 -6.47	17.51 -1.02 -3.96	19.18 -1.26 -2.74	15.84 -0.77 -2.15	14.69 -0.76 -1.32	9.97 -0.13 -1.92
NIAGARA__115KV_198_GIBSON 55903	6.88 -0.10 -2.04	6.60 -0.06 -1.44	5.40 -0.06 -1.45	5.38 -0.08 -1.25	5.87 -0.08 -1.43	6.73 -0.13 -1.82	8.43 -0.15 -2.47	9.96 -0.24 -3.04	9.95 -0.30 -2.17	9.95 -0.33 -1.48	9.95 -0.28 -1.65	7.95 -0.22 -2.20	8.22 -0.24 -2.49	8.40 -0.24 -2.67	8.86 -0.24 -3.25	8.34 -0.24 -3.49	9.96 -0.23 -5.08	11.49 -0.31 -5.92	11.78 -0.37 -6.49	17.31 -1.24 -3.98	18.94 -1.52 -2.77	15.59 -1.04 -2.17	14.51 -0.96 -1.34	9.97 -0.16 -1.94
NIAGARA____ 23760	6.86 -0.11 -2.04	6.61 -0.05 -1.44	5.41 -0.04 -1.45	5.39 -0.07 -1.25	5.89 -0.06 -1.43	6.74 -0.11 -1.82	8.46 -0.15 -2.50	10.00 -0.24 -3.08	10.00 -0.28 -2.20	10.00 -0.30 -1.49	10.00 -0.26 -1.66	7.98 -0.21 -2.21	8.25 -0.23 -2.51	8.43 -0.24 -2.69	8.87 -0.25 -3.27	8.35 -0.24 -3.49	10.00 -0.22 -5.11	11.54 -0.29 -5.96	11.80 -0.36 -6.51	17.39 -1.17 -3.98	19.02 -1.43 -2.76	15.71 -0.91 -2.16	14.56 -0.90 -1.33	9.90 -0.23 -1.94
NINE_MILE_1 23575	5.84 -0.13 -1.03	5.82 -0.13 -0.73	4.64 -0.10 -0.73	4.74 -0.11 -0.63	5.13 -0.11 -0.72	5.82 -0.13 -0.92	7.25 -0.14 -1.28	8.56 -0.17 -1.57	9.01 -0.20 -1.13	9.35 -0.22 -0.77	9.22 -0.22 -0.85	6.94 -0.17 -1.13	7.08 -0.17 -1.28	7.18 -0.17 -1.38	7.36 -0.16 -1.67	6.74 -0.15 -1.78	7.57 -0.15 -2.61	8.74 -0.18 -3.04	8.78 -0.18 -3.31	16.13 -0.47 -2.02	18.55 -0.55 -1.40	15.16 -0.40 -1.10	14.38 -0.42 -0.68	8.97 -0.20 -0.98
NINE_MILE_2 23744	5.84 -0.13 -1.03	5.82 -0.13 -0.73	4.64 -0.10 -0.73	4.74 -0.11 -0.63	5.13 -0.11 -0.72	5.82 -0.13 -0.92	7.25 -0.14 -1.28	8.56 -0.17 -1.57	9.00 -0.20 -1.12	9.35 -0.22 -0.76	9.22 -0.22 -0.85	6.94 -0.17 -1.13	7.08 -0.17 -1.28	7.18 -0.17 -1.38	7.36 -0.16 -1.67	6.74 -0.15 -1.78	7.57 -0.14 -2.61	8.74 -0.18 -3.04	8.78 -0.18 -3.31	16.13 -0.47 -2.02	18.55 -0.55 -1.40	15.15 -0.40 -1.10	14.38 -0.42 -0.68	8.97 -0.20 -0.98
NM_CAPITAL____DRP 24208	20.26 0.21 -15.11	16.13 0.22 -10.69	14.94 0.18 -10.76	13.65 0.18 -9.26	15.30 0.20 -10.57	18.74 0.22 -13.50	25.09 0.26 -18.72	30.50 0.30 -23.04	24.92 0.34 -16.49	20.42 0.40 -11.22	21.46 0.38 -12.49	22.85 0.26 -16.62	24.91 0.26 -18.68	26.21 0.25 -19.98	30.17 0.25 -24.07	30.98 0.21 -25.66	42.29 0.21 -36.97	49.03 0.25 -42.90	52.63 0.24 -46.74	44.72 0.60 -29.55	38.92 0.73 -20.50	31.15 0.62 -16.07	24.63 0.59 -9.91	22.88 0.34 -14.35
NM_CENTRAL____DRP 24181	6.20 -0.01 -1.27	6.12 -0.01 -0.90	4.90 -0.01 -0.91	4.99 -0.01 -0.78	5.41 -0.01 -0.89	6.15 -0.02 -1.14	7.70 0.01 -1.58	9.11 0.01 -1.94	9.48 0.01 -1.39	9.75 0.00 -0.95	9.63 -0.02 -1.05	7.35 -0.02 -1.40	7.52 -0.03 -1.58	7.65 -0.03 -1.70	7.89 -0.02 -2.07	7.28 -0.03 -2.20	8.30 -0.03 -3.22	9.59 -0.04 -3.75	9.69 -0.05 -4.09	16.96 -0.12 -2.50	19.30 -0.12 -1.73	15.73 -0.09 -1.36	14.87 -0.10 -0.84	9.42 0.02 -1.21
NM_FRONTIER____DRP 24179	6.88 -0.10 -2.04	6.60 -0.06 -1.44	5.40 -0.06 -1.45	5.38 -0.08 -1.25	5.87 -0.08 -1.43	6.73 -0.13 -1.82	8.43 -0.15 -2.47	9.96 -0.24 -3.04	9.95 -0.30 -2.17	9.95 -0.33 -1.48	9.95 -0.28 -1.65	7.95 -0.22 -2.20	8.22 -0.24 -2.49	8.40 -0.24 -2.67	8.86 -0.24 -3.25	8.34 -0.24 -3.49	9.96 -0.23 -5.08	11.49 -0.31 -5.92	11.78 -0.37 -6.49	17.31 -1.24 -3.98	18.94 -1.52 -2.77	15.59 -1.04 -2.17	14.51 -0.96 -1.34	9.97 -0.16 -1.94
NM_ST_REGIS____HYD 24053	2.33 -0.35 2.26	1.97 -0.37 2.88	2.19 -0.28 1.53	1.77 -0.30 2.15	1.80 -0.32 2.40	2.09 -0.34 2.59	1.93 -0.41 3.77	2.70 -0.48 3.98	2.91 -0.56 4.62	2.99 -0.63 5.18	2.86 -0.61 5.12	2.08 -0.41 3.48	2.62 -0.41 2.94	2.09 -0.41 3.47	2.50 -0.38 2.96	4.80 -0.31 0.00	4.83 -0.28 0.00	5.59 -0.29 0.00	5.41 -0.24 0.00	14.01 -0.57 0.00	16.93 -0.76 0.00	13.78 -0.68 0.00	13.45 -0.68 0.00	7.68 -0.51 0.00
NORTHPORT____1 23551	17.95 0.43 -12.58	14.49 0.37 -8.90	13.25 0.28 -8.96	12.24 0.31 -7.71	13.64 0.31 -8.81	19.92 0.42 -14.48	25.94 0.49 -19.34	26.84 0.50 -19.18	25.54 0.69 -16.77	21.50 0.83 -11.87	25.47 0.75 -16.13	25.60 0.50 -19.12	25.91 0.52 -19.42	26.39 0.51 -19.90	27.19 0.45 -20.90	27.83 0.42 -22.30	38.36 0.32 -32.93	44.79 0.40 -38.51	48.04 0.39 -42.00	40.22 1.06 -24.58	34.37 1.63 -15.05	28.67 0.91 -13.30	26.47 1.16 -11.18	24.11 0.71 -15.21
NORTHPORT____2 23552	17.95 0.43 -12.58	14.49 0.37 -8.90	13.25 0.28 -8.96	12.24 0.31 -7.71	13.64 0.31 -8.81	19.92 0.42 -14.48	25.94 0.49 -19.34	26.84 0.50 -19.18	25.54 0.69 -16.77	21.50 0.83 -11.87	25.47 0.75 -16.13	25.60 0.50 -19.12	25.91 0.52 -19.42	26.39 0.51 -19.90	27.19 0.45 -20.90	27.83 0.42 -22.30	38.36 0.32 -32.93	44.79 0.40 -38.51	48.04 0.39 -42.00	40.22 1.06 -24.58	34.37 1.63 -15.05	28.67 0.91 -13.30	26.47 1.16 -11.18	24.11 0.71 -15.21
NORTHPORT____3 23553	18.06 0.54 -12.58	14.62 0.50 -8.90	13.34 0.38 -8.96	12.34 0.41 -7.71	13.75 0.42 -8.81	20.03 0.53 -14.48	26.09 0.64 -19.34	27.06 0.72 -19.18	25.74 0.89 -16.77	21.70 1.03 -11.87	25.72 1.00 -16.13	25.78 0.69 -19.12	26.10 0.70 -19.43	26.55 0.67 -19.91	27.29 0.54 -20.91	27.91 0.49 -22.31	38.45 0.40 -32.94	44.89 0.49 -38.52	48.14 0.47 -42.01	40.51 1.34 -24.59	34.63 1.43 -15.50	29.01 1.24 -13.31	26.83 1.51 -11.18	24.31 0.91 -15.21
NORTHPORT____4 23650	18.06 0.54 -12.58	14.62 0.50 -8.90	13.34 0.38 -8.96	12.34 0.41 -7.71	13.75 0.42 -8.81	20.03 0.53 -14.48	26.09 0.64 -19.34	27.06 0.72 -19.18	25.74 0.89 -16.77	21.70 1.03 -11.87	25.72 1.00 -16.13	25.78 0.69 -19.12	26.10 0.70 -19.43	26.55 0.67 -19.91	27.29 0.54 -20.91	27.91 0.49 -22.31	38.45 0.40 -32.94	44.89 0.49 -38.52	48.14 0.47 -42.01	40.51 1.34 -24.59	34.63 1.43 -15.50	29.01 1.24 -13.31	26.83 1.51 -11.18	24.31 0.91 -15.21
NORTHPORT____IC 23718	17.95 0.43 -12.58	14.49 0.37 -8.90	13.25 0.28 -8.96	12.24 0.31 -7.71	13.64 0.31 -8.81	19.92 0.42 -14.48	25.94 0.49 -19.34	26.84 0.50 -19.18	25.54 0.69 -16.77	21.50 0.83 -11.87	25.47 0.75 -16.13	25.60 0.50 -19.12	25.91 0.52 -19.42	26.39 0.51 -19.90	27.19 0.45 -20.90	27.83 0.42 -22.30	38.36 0.32 -32.93	44.79 0.40 -38.51	48.04 0.39 -42.00	40.22 1.06 -24.58	34.37 1.63 -15.05	28.67 0.91 -13.30	26.47 1.16 -11.18	24.11 0.71 -15.21

NORTH_COUNTRY_ESR 323785	-0.08 -0.37 4.65	1.39 -0.41 3.42	-0.07 -0.32 3.76	-0.07 -0.33 3.96	-0.07 -0.36 4.24	-0.57 -0.39 5.21	0.12 -0.48 5.51	-0.12 -0.53 6.75	-0.54 -0.64 7.98	-0.53 -0.70 8.62	-0.13 -0.64 8.07	1.41 -0.44 4.13	-0.57 -0.43 6.11	1.44 -0.41 4.13	2.01 -0.32 3.52	4.89 -0.21 0.00	4.94 -0.16 0.00	5.76 -0.12 0.00	5.59 -0.06 0.00	14.45 -0.13 0.00	17.45 -0.25 0.00	14.11 -0.35 0.00	13.78 -0.35 0.00	7.89 -0.29 0.00
NPX_GEN_1385_PROXY 323591	17.87 0.36 -12.58	14.46 0.34 -8.90	13.22 0.26 -8.96	12.21 0.29 -7.71	13.62 0.29 -8.81	19.89 0.38 -14.48	25.90 0.45 -19.34	26.69 0.35 -19.18	25.39 0.54 -16.77	21.54 0.74 -12.00	23.00 0.39 -14.02	22.64 0.25 -16.41	21.50 0.26 -15.27	22.00 0.27 -15.76	22.50 0.20 -16.45	25.48 0.21 -20.16	29.00 0.12 -23.77	38.76 0.18 -32.71	41.80 0.18 -35.97	39.86 0.70 -24.58	33.92 1.27 -14.95	28.68 0.82 -13.40	26.31 1.00 -11.18	23.88 0.48 -15.21
NPX_GEN_CSC 323557	17.99 0.47 -12.58	14.53 0.41 -8.90	13.28 0.31 -8.96	12.27 0.34 -7.71	13.67 0.34 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.09 0.75 -19.18	25.73 0.87 -16.77	21.81 1.01 -12.00	25.64 1.05 -16.01	25.79 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.43 0.67 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.03 0.63 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	44.97 2.19 -25.09	29.23 1.36 -13.41	26.86 1.55 -11.18	24.30 0.90 -15.21
NSINS_S_GLNS_FALLS 23858	20.74 0.12 -15.67	16.41 0.10 -11.09	15.25 0.08 -11.16	13.90 0.08 -9.61	15.59 0.10 -10.97	19.16 0.13 -14.00	25.75 0.19 -19.45	31.33 0.24 -23.93	25.43 0.22 -17.13	20.70 0.25 -11.65	21.82 0.26 -12.97	23.44 0.20 -17.26	25.59 0.21 -19.42	26.95 0.20 -20.77	31.08 0.19 -25.04	31.97 0.17 -26.70	43.79 0.18 -38.51	50.79 0.21 -44.70	54.49 0.20 -48.64	45.81 0.58 -30.65	39.63 0.67 -21.27	31.63 0.51 -16.66	24.79 0.38 -10.28	23.27 0.20 -14.88
NUCOR_STEEL_DRP 24197	6.68 0.07 -1.67	6.48 0.08 -1.18	5.26 0.06 -1.19	5.29 0.05 -1.02	5.76 0.06 -1.17	6.59 0.07 -1.49	8.31 0.13 -2.07	9.86 0.15 -2.55	10.05 0.15 -1.82	10.18 0.14 -1.24	10.09 0.12 -1.38	7.88 0.07 -1.84	8.10 0.06 -2.08	8.26 0.06 -2.23	8.62 0.06 -2.71	8.04 0.05 -2.89	9.38 0.05 -4.22	10.85 0.05 -4.92	11.05 0.04 -5.36	17.98 0.13 -3.28	20.16 0.19 -2.27	16.43 0.19 -1.78	15.37 0.14 -1.10	9.94 0.16 -1.59
NUMBER_THREE_WT_PWR 323818	4.74 -0.14 0.06	4.73 -0.15 0.34	3.89 -0.09 0.03	3.90 -0.09 0.23	4.15 -0.13 0.25	4.71 -0.12 0.20	5.71 -0.11 0.30	6.81 -0.14 0.21	7.29 -0.19 0.61	7.59 -0.27 0.94	7.45 -0.28 0.87	5.48 -0.21 0.28	5.65 -0.21 0.10	5.61 -0.21 0.15	5.78 -0.20 -0.13	5.88 -0.16 -0.93	6.38 -0.10 -1.37	7.39 -0.08 -1.59	7.34 -0.05 -1.73	15.64 0.00 -1.06	18.45 0.02 -0.73	15.08 0.04 -0.57	14.46 -0.03 -0.35	8.66 -0.04 -0.51
NYISO_LBMP_REFERENCE 24008	4.94 0.00 0.00	5.22 0.00 0.00	4.00 0.00 0.00	4.22 0.00 0.00	4.53 0.00 0.00	5.03 0.00 0.00	6.11 0.00 0.00	7.16 0.00 0.00	8.08 0.00 0.00	8.80 0.00 0.00	8.59 0.00 0.00	5.97 0.00 0.00	5.97 0.00 0.00	5.97 0.00 0.00	5.85 0.00 0.00	5.10 0.00 0.00	5.11 0.00 0.00	5.88 0.00 0.00	5.65 0.00 0.00	14.58 0.00 0.00	17.69 0.00 0.00	14.46 0.00 0.00	14.13 0.00 0.00	8.19 0.00 0.00
NYPA_BRENTWD_GT 24164	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.00 0.49 -14.48	26.05 0.60 -19.34	26.99 0.65 -19.18	25.68 0.82 -16.77	21.63 0.96 -11.87	25.65 0.93 -16.13	25.73 0.63 -19.12	26.04 0.65 -19.42	26.54 0.66 -19.91	27.37 0.58 -20.94	27.99 0.54 -22.35	38.47 0.42 -32.94	44.93 0.53 -38.52	48.18 0.51 -42.01	40.59 1.39 -24.62	65.73 1.96 -46.08	29.03 1.23 -13.34	26.73 1.43 -11.18	24.25 0.85 -15.21
NYPA_GOWANUS_GT5 24156	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NYPA_GOWANUS_GT6 24157	17.96 0.43 -12.59	14.54 0.42 -8.91	13.30 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.91	27.91 0.49 -22.31	38.57 0.52 -32.94	44.99 0.59 -38.52	68.01 0.55 -61.80	40.50 1.34 -24.58	36.29 1.61 -16.98	28.81 1.04 -13.31	23.52 1.19 -8.21	20.80 0.73 -11.88
NYPA_HARLEM_RVR_GT1 24160	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.64 0.37 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.77 -9.33	19.74 0.76 -10.39	20.32 0.52 -13.82	22.28 0.54 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
NYPA_HARLEM_RVR_GT2 24161	17.93 0.41 -12.59	14.55 0.42 -8.91	13.30 0.33 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.64 0.37 -11.24	22.09 0.40 -15.58	26.83 0.50 -19.17	22.47 0.67 -13.72	18.91 0.77 -9.33	19.74 0.76 -10.39	20.32 0.52 -13.82	22.28 0.54 -15.77	23.54 0.55 -17.01	27.26 0.52 -20.90	27.85 0.45 -22.30	38.49 0.46 -32.93	44.91 0.53 -38.51	48.14 0.49 -41.99	40.33 1.18 -24.58	36.08 1.42 -16.97	28.69 0.93 -13.30	23.37 1.05 -8.20	20.75 0.68 -11.88
NYPA_KENT_GT 24152	17.95 0.43 -12.59	14.54 0.41 -8.91	13.29 0.32 -8.97	12.30 0.36 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.14 0.44 -15.59	26.88 0.54 -19.18	22.52 0.71 -13.73	18.95 0.81 -9.34	19.79 0.80 -10.40	20.35 0.55 -13.83	22.32 0.57 -15.77	23.58 0.58 -17.02	27.31 0.56 -20.91	27.90 0.48 -22.31	38.55 0.50 -32.94	44.98 0.58 -38.52	60.47 0.54 -54.28	40.46 1.30 -24.58	36.23 1.56 -16.98	28.79 1.03 -13.31	23.50 1.16 -8.21	20.78 0.71 -11.88
NYPA_POUCH1_GT 24155	17.96 0.43 -12.59	14.54 0.42 -8.91	13.29 0.32 -8.97	12.29 0.36 -7.72	13.68 0.35 -8.80	16.63 0.36 -11.24	22.08 0.39 -15.59	26.81 0.48 -19.17	22.45 0.65 -13.72	18.86 0.73 -9.33	19.72 0.74 -10.39	20.31 0.51 -13.82	22.27 0.54 -15.77	23.54 0.55 -17.01	27.28 0.54 -20.90	27.86 0.46 -22.30	38.53 0.49 -32.93	44.95 0.56 -38.51	48.77 0.53 -42.59	40.42 1.27 -24.58	36.17 1.50 -16.97	28.70 0.94 -13.30	23.50 1.16 -8.21	20.80 0.73 -11.88
NYPA_VERNON_GT2 24162	17.95 0.42 -12.59	14.54 0.41 -8.91	13.29 0.32 -8.97	12.29 0.36 -7.72	13.68 0.35 -8.80	16.66 0.39 -11.24	22.14 0.44 -15.59	26.88 0.54 -19.18	22.52 0.71 -13.73	18.95 0.81 -9.34	19.78 0.79 -10.40	20.35 0.54 -13.83	22.30 0.56 -15.77	23.56 0.57 -17.02	27.30 0.55 -20.91	27.89 0.47 -22.31	38.54 0.49 -32.95	44.96 0.56 -38.53	52.92 0.52 -46.75	40.42 1.25 -24.58	36.18 1.50 -16.98	28.78 1.01 -13.31	23.48 1.14 -8.21	20.76 0.69 -11.88

NYPA_VERNON____GT3 24163	17.95	14.54	13.29	12.29	13.68	16.66	22.14	26.88	22.52	18.95	19.78	20.35	22.30	23.56	27.30	27.89	38.54	44.96	52.92	40.42	36.18	28.78	23.48	20.76
	0.42	0.41	0.32	0.36	0.35	0.39	0.44	0.54	0.71	0.81	0.79	0.54	0.56	0.57	0.55	0.47	0.49	0.56	0.52	1.25	1.50	1.01	1.14	0.69
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.95	-38.53	-46.75	-24.58	-16.98	-13.31	-8.21	-11.88
NYPA____ASTORIA_CC1 323568	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
NYPA____ASTORIA_CC2 323569	17.94	14.53	13.29	12.29	13.68	16.65	22.13	26.87	22.50	18.93	19.76	20.34	22.30	23.56	27.30	27.88	38.53	44.95	50.06	40.40	36.16	28.75	23.45	20.75
	0.42	0.41	0.32	0.36	0.35	0.38	0.43	0.53	0.70	0.79	0.77	0.54	0.56	0.56	0.54	0.46	0.48	0.55	0.51	1.24	1.49	0.98	1.12	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.59	-19.18	-13.73	-9.34	-10.40	-13.83	-15.77	-17.02	-20.91	-22.31	-32.94	-38.52	-43.89	-24.58	-16.98	-13.31	-8.21	-11.88
NYPA____HOLTSVILL 23794	18.01	14.55	13.29	12.28	13.69	19.99	26.04	27.01	25.67	21.63	25.67	25.74	26.05	26.55	27.34	27.95	38.49	44.95	48.19	40.58	44.73	28.97	26.72	24.23
	0.49	0.43	0.32	0.35	0.36	0.49	0.59	0.67	0.82	0.95	0.95	0.64	0.66	0.67	0.58	0.54	0.44	0.55	0.53	1.41	1.89	1.20	1.41	0.83
	-12.58	-8.90	-8.96	-7.71	-8.81	-14.48	-19.34	-19.18	-16.77	-11.87	-16.13	-19.12	-19.42	-19.91	-20.91	-22.32	-32.94	-38.52	-42.01	-24.59	-25.14	-13.31	-11.18	-15.21
NYPA____HELLGATE_GT1 24158	17.93	14.55	13.30	12.30	13.69	16.64	22.09	26.83	22.47	18.91	19.74	20.32	22.28	23.54	27.26	27.85	38.49	44.91	48.14	40.33	36.08	28.69	23.37	20.75
	0.41	0.42	0.33	0.36	0.36	0.37	0.40	0.50	0.67	0.77	0.76	0.52	0.54	0.55	0.52	0.45	0.46	0.53	0.49	1.18	1.42	0.93	1.05	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.58	-19.17	-13.72	-9.33	-10.39	-13.82	-15.77	-17.01	-20.90	-22.30	-32.93	-38.51	-41.99	-24.58	-16.97	-13.30	-8.20	-11.88
NYPA____HELLGATE_GT2 24159	17.93	14.55	13.30	12.30	13.69	16.64	22.09	26.83	22.47	18.91	19.74	20.32	22.28	23.54	27.26	27.85	38.49	44.91	48.14	40.33	36.08	28.69	23.37	20.75
	0.41	0.42	0.33	0.36	0.36	0.37	0.40	0.50	0.67	0.77	0.76	0.52	0.54	0.55	0.52	0.45	0.46	0.53	0.49	1.18	1.42	0.93	1.05	0.68
	-12.59	-8.91	-8.97	-7.72	-8.80	-11.24	-15.58	-19.17	-13.72	-9.33	-10.39	-13.82	-15.77	-17.01	-20.90	-22.30	-32.93	-38.51	-41.99	-24.58	-16.97	-13.30	-8.20	-11.88
NYS_BARGE____HYD 23848	6.90	6.67	5.44	5.43	5.93	6.79	8.52	10.05	10.07	10.08	10.07	8.02	8.29	8.46	8.90	8.37	10.00	11.53	11.78	17.50	19.22	15.87	14.71	9.98
	-0.04	0.03	0.01	-0.01	0.00	-0.03	-0.07	-0.16	-0.19	-0.20	-0.16	-0.14	-0.16	-0.17	-0.18	-0.19	-0.17	-0.24	-0.30	-1.01	-1.20	-0.72	-0.74	-0.11
	-2.01	-1.42	-1.43	-1.23	-1.40	-1.79	-2.48	-3.05	-2.18	-1.48	-1.65	-2.19	-2.48	-2.66	-3.24	-3.45	-5.06	-5.90	-6.43	-3.93	-2.73	-2.13	-1.32	-1.91
OAK ORCHARD____HYD 24046	6.63	6.46	5.22	5.25	5.73	6.55	8.22	9.73	9.90	10.03	10.01	7.79	8.01	8.17	8.52	7.94	9.28	10.71	10.88	17.52	19.57	16.07	14.99	9.81
	0.03	0.06	0.03	0.02	0.04	0.04	0.05	0.04	0.01	0.00	0.05	-0.01	-0.02	-0.02	-0.02	-0.03	-0.02	-0.05	-0.09	-0.31	-0.37	-0.16	-0.23	0.04
	-1.66	-1.17	-1.18	-1.02	-1.16	-1.48	-2.05	-2.53	-1.81	-1.23	-1.37	-1.82	-2.06	-2.21	-2.69	-2.87	-4.19	-4.88	-5.32	-3.25	-2.25	-1.77	-1.09	-1.58
OAKDALE____35_KV_LOAD 356122	8.92	8.07	6.85	6.68	7.33	8.59	11.06	13.23	12.47	11.84	11.94	10.33	10.89	11.25	12.25	11.90	15.03	17.42	18.21	22.31	23.13	18.76	16.83	12.08
	0.08	0.09	0.07	0.07	0.08	0.08	0.12	0.13	0.14	0.14	0.13	0.07	0.07	0.07	0.08	0.06	0.06	0.06	0.05	0.09	0.14	0.14	0.14	0.19
	-3.90	-2.76	-2.78	-2.39	-2.73	-3.48	-4.83	-5.94	-4.25	-2.89	-3.22	-4.29	-4.85	-5.21	-6.33	-6.75	-9.86	-11.48	-12.51	-7.65	-5.30	-4.15	-2.56	-3.70
OCC_CHEM____DRP 24175	6.89	6.61	5.41	5.40	5.89	6.74	8.45	9.97	9.97	9.98	9.98	7.96	8.24	8.42	8.87	8.36	9.98	11.51	11.80	17.36	19.00	15.64	14.55	9.99
	-0.09	-0.05	-0.05	-0.07	-0.07	-0.12	-0.13	-0.23	-0.28	-0.30	-0.26	-0.21	-0.22	-0.23	-0.23	-0.23	-0.21	-0.29	-0.36	-1.20	-1.47	-1.00	-0.92	-0.14
	-2.04	-1.44	-1.45	-1.25	-1.43	-1.82	-2.47	-3.04	-2.17	-1.48	-1.65	-2.20	-2.49	-2.67	-3.25	-3.49	-5.09	-5.93	-6.50	-3.98	-2.77	-2.17	-1.34	-1.94
OH_GEN_PROXY 24063	6.91	6.66	5.44	5.43	5.92	6.78	8.55	10.10	10.10	10.24	9.98	8.06	8.33	8.51	8.96	8.43	10.07	11.62	11.86	17.59	19.19	16.00	14.75	10.00
	-0.05	0.01	0.00	-0.02	-0.01	-0.05	-0.06	-0.14	-0.19	-0.19	-0.15	-0.13	-0.15	-0.16	-0.16	-0.16	-0.14	-0.21	-0.27	-0.95	-1.15	-0.71	-0.71	-0.11
	-2.02	-1.43	-1.44	-1.24	-1.41	-1.80	-2.50	-3.08	-2.20	-1.62	-1.54	-2.22	-2.51	-2.70	-3.28	-3.49	-5.11	-5.95	-6.48	-3.96	-2.64	-2.25	-1.33	-1.92
OLIN_CORP_DRP 24177	6.93	6.65	5.44	5.43	5.92	6.78	8.51	10.04	10.03	10.02	10.02	8.02	8.29	8.47	8.92	8.41	10.06	11.61	11.88	17.42	19.05	15.66	14.59	10.01
	-0.06	-0.02	-0.02	-0.05	-0.04	-0.08	-0.13	-0.24	-0.28	-0.30	-0.26	-0.21	-0.22	-0.23	-0.25	-0.24	-0.22	-0.30	-0.36	-1.18	-1.43	-0.98	-0.89	-0.12
	-2.05	-1.45	-1.46	-1.26	-1.44	-1.83	-2.53	-3.12	-2.23	-1.52	-1.69	-2.25	-2.55	-2.73	-3.32	-3.55	-5.18	-6.03	-6.58	-4.02	-2.79	-2.18	-1.35	-1.95
OLIN_CORP_DSASP 323712	6.87	6.61	5.41	5.39	5.89	6.73	8.46	9.99	9.98	9.98	9.98	7.96	8.24	8.42	8.87	8.34	9.99	11.51	11.80	17.35	18.98	15.68	14.55	9.92
	-0.11	-0.05	-0.05	-0.07	-0.07	-0.12	-0.13	-0.23	-0.29	-0.30	-0.26	-0.21	-0.22	-0.23	-0.23	-0.23	-0.21	-0.29	-0.36	-1.21	-1.49	-0.95	-0.92	-0.21
	-2.04	-1.44	-1.45	-1.25	-1.43	-1.82	-2.48	-3.06	-2.18	-1.48	-1.65	-2.20	-2.49	-2.67	-3.25	-3.47	-5.09	-5.93	-6.50	-3.98	-2.77	-2.17	-1.34	-1.94
ONEIDA_HERK_LFGE 323681	5.21	5.31	4.22	4.34	4.65	5.25	6.43	7.59	8.25	8.72	8.53	6.17	6.27	6.28	6.33	5.89	6.31	7.29	7.20	15.67	18.53	15.18	14.60	8.71
	-0.02	-0.01	0.00	0.00	-0.01	0.01	0.04	0.02	0.02	-0.02	-0.04	-0.05	-0.05	-0.05	-0.05	-0.03	0.00	0.01	0.03	0.16	0.19	0.22	0.16	0.07
	-0.29	-0.10	-0.22	-0.12	-0.14	-0.22	-0.28	-0.40	-0.15	0.07	0.02	-0.24	-0.35	-0.35	-0.53	-0.82	-1.20	-1.40	-1.52	-0.93	-0.65	-0.51	-0.31	-0.45
ONEIDA____115KV_TB4 55905	5.84	5.90	4.67	4.80	5.19	5.87	7.30	8.59	9.18	9.58	9.40	6.95	7.07	7.15	7.26	6.60	7.29	8.42	8.42	16.53	19.23	15.65	14.99	9.18
	0.07	0.09	0.07	0.08	0.08	0.10	0.16	0.16	0.19	0.16	0.12	0.06	0.07	0.06	0.06	0.06	0.07	0.09	0.09	0.32	0.41	0.30	0.31	0.20
	-0.83	-0.59	-0.59	-0.51	-0.58	-0.74	-1.03	-1.27	-0.91	-0.62	-0.69	-0.92	-1.04	-1.11	-1.35	-1.44	-2.11	-2.45	-2.67	-1.63	-1.13	-0.89	-0.55	-0.79

ONONDAGA_REF_OCCRA 23987	6.46 0.00 -1.52	6.31 0.02 -1.08	5.09 0.01 -1.08	5.15 0.00 -0.93	5.60 0.01 -1.06	6.39 0.01 -1.36	8.03 0.04 -1.88	9.52 0.04 -2.32	9.78 0.04 -1.66	9.97 0.04 -1.13	9.86 0.02 -1.26	7.65 0.00 -1.67	7.85 -0.01 -1.89	8.00 -0.01 -2.03	8.31 0.00 -2.47	7.73 -0.01 -2.63	8.95 -0.01 -3.85	10.34 -0.01 -4.48	10.51 -0.02 -4.88	17.52 -0.04 -2.98	19.72 -0.04 -2.07	16.07 -0.01 -1.62	15.10 -0.03 -1.00	9.68 0.05 -1.44
ONONDAGA___COGEN 23986	6.38 0.00 -1.44	6.25 0.02 -1.02	5.04 0.01 -1.03	5.10 0.00 -0.88	5.55 0.01 -1.01	6.32 0.01 -1.29	7.93 0.03 -1.79	9.39 0.04 -2.20	9.69 0.03 -1.57	9.90 0.03 -1.07	9.80 0.02 -1.19	7.55 -0.01 -1.58	7.75 -0.01 -1.79	7.89 -0.01 -1.92	8.18 -0.01 -2.34	7.59 -0.01 -2.49	8.74 -0.01 -3.65	10.10 -0.02 -4.25	10.25 -0.03 -4.63	17.35 -0.06 -2.83	19.60 -0.05 -1.96	15.98 -0.01 -1.53	15.05 -0.03 -0.95	9.61 0.05 -1.37
ONTARIO___LFGE 23819	6.93 0.09 -1.90	6.70 0.14 -1.34	5.46 0.10 -1.35	5.48 0.10 -1.16	5.98 0.12 -1.33	6.85 0.13 -1.70	8.67 0.21 -2.35	10.27 0.21 -2.90	10.36 0.21 -2.07	10.42 0.21 -1.41	10.33 0.17 -1.57	8.16 0.10 -2.09	8.40 0.07 -2.36	8.60 0.08 -2.54	9.02 0.09 -3.08	8.45 0.06 -3.29	9.99 0.07 -4.81	11.56 0.08 -5.60	11.81 0.06 -6.10	18.48 0.18 -3.73	20.52 0.25 -2.58	16.79 0.30 -2.02	15.58 0.20 -1.25	10.22 0.22 -1.81
ORANGEVILLE_WT_PWR 323706	7.33 -0.05 -2.44	6.94 -0.01 -1.73	5.75 0.00 -1.74	5.70 -0.02 -1.50	6.23 -0.01 -1.71	7.17 -0.05 -2.18	9.10 -0.04 -3.03	10.80 -0.09 -3.73	10.63 -0.12 -2.67	10.48 -0.14 -1.82	10.49 -0.13 -2.02	8.54 -0.13 -2.69	8.86 -0.15 -3.05	9.10 -0.15 -3.27	9.67 -0.15 -3.97	9.18 -0.16 -4.24	11.15 -0.14 -6.18	12.90 -0.18 -7.20	13.29 -0.21 -7.85	18.67 -0.70 -4.80	20.24 -0.78 -3.32	16.62 -0.45 -2.60	15.27 -0.47 -1.61	10.50 -0.02 -2.32
ORANGEVILLE___ESR 323794	7.33 -0.05 -2.44	6.94 -0.01 -1.73	5.75 0.00 -1.74	5.70 -0.02 -1.50	6.23 -0.01 -1.71	7.17 -0.05 -2.18	9.10 -0.04 -3.03	10.80 -0.09 -3.73	10.63 -0.12 -2.67	10.48 -0.14 -1.82	10.49 -0.13 -2.02	8.54 -0.13 -2.69	8.86 -0.15 -3.05	9.10 -0.15 -3.27	9.67 -0.15 -3.97	9.18 -0.16 -4.24	11.15 -0.14 -6.18	12.90 -0.18 -7.20	13.29 -0.21 -7.85	18.67 -0.70 -4.80	20.24 -0.78 -3.32	16.62 -0.45 -2.60	15.27 -0.47 -1.61	10.50 -0.02 -2.32
OSWEGATCHIE___HYD 24044	3.55 -0.25 1.14	3.39 -0.27 1.57	3.02 -0.20 0.78	2.82 -0.20 1.20	2.97 -0.23 1.33	3.39 -0.24 1.40	3.86 -0.27 1.97	4.79 -0.34 2.04	5.04 -0.48 2.63	5.18 -0.48 3.13	5.07 -0.48 3.04	3.84 -0.34 1.79	4.13 -0.33 1.51	3.94 -0.33 1.70	4.27 -0.32 1.26	5.53 -0.27 -0.69	5.89 -0.23 -1.01	6.81 -0.24 -1.18	6.74 -0.20 -1.28	14.94 -0.42 -0.78	17.71 -0.53 -0.54	14.45 -0.43 -0.43	13.94 -0.45 -0.26	8.25 -0.32 -0.38
OSWEGO___5 23606	6.00 -0.10 -1.16	5.95 -0.09 -0.82	4.76 -0.07 -0.83	4.85 -0.08 -0.71	5.26 -0.08 -0.81	5.97 -0.10 -1.04	7.46 -0.10 -1.44	8.81 -0.12 -1.77	9.21 -0.15 -1.27	9.50 -0.17 -0.86	9.39 -0.16 -0.96	7.12 -0.13 -1.28	7.28 -0.14 -1.45	7.40 -0.13 -1.55	7.61 -0.13 -1.89	7.00 -0.12 -2.01	7.94 -0.11 -2.94	9.16 -0.14 -3.43	9.24 -0.15 -3.74	16.48 -0.38 -2.28	18.83 -0.44 -1.58	15.38 -0.32 -1.24	14.56 -0.34 -0.76	9.15 -0.15 -1.11
OSWEGO___6 23613	6.00 -0.10 -1.16	5.95 -0.09 -0.82	4.76 -0.07 -0.83	4.85 -0.08 -0.71	5.26 -0.08 -0.81	5.97 -0.10 -1.04	7.46 -0.10 -1.44	8.81 -0.12 -1.77	9.21 -0.15 -1.27	9.50 -0.17 -0.86	9.39 -0.16 -0.96	7.12 -0.13 -1.28	7.28 -0.14 -1.45	7.40 -0.13 -1.55	7.61 -0.13 -1.89	7.00 -0.12 -2.01	7.94 -0.11 -2.94	9.16 -0.14 -3.43	9.24 -0.15 -3.74	16.48 -0.38 -2.28	18.83 -0.44 -1.58	15.38 -0.32 -1.24	14.56 -0.34 -0.76	9.15 -0.15 -1.11
OUTOKUMPU-AB___DRP 24206	7.02 0.00 -2.08	6.74 0.05 -1.47	5.52 0.03 -1.48	5.50 0.01 -1.27	6.00 0.02 -1.46	6.87 -0.02 -1.86	8.60 -0.02 -2.52	10.17 -0.09 -3.10	10.18 -0.12 -2.22	10.19 -0.12 -1.51	10.18 -0.09 -1.68	8.11 -0.10 -2.24	8.39 -0.11 -2.53	8.57 -0.12 -2.72	9.03 -0.12 -3.31	8.54 -0.14 -3.58	10.21 -0.13 -5.23	11.78 -0.19 -6.09	12.06 -0.25 -6.65	17.76 -0.89 -4.07	19.49 -1.03 -2.83	16.01 -0.67 -2.21	14.90 -0.59 -1.37	10.20 0.03 -1.98
OXBOW____ 24026	6.94 -0.05 -2.06	6.68 0.01 -1.46	5.47 0.00 -1.47	5.45 -0.03 -1.26	5.95 -0.01 -1.44	6.81 -0.06 -1.84	8.56 -0.07 -2.52	10.12 -0.14 -3.10	10.10 -0.19 -2.22	10.10 -0.19 -1.49	10.10 -0.15 -1.66	8.05 -0.14 -2.22	8.33 -0.15 -2.51	8.51 -0.16 -2.70	8.96 -0.16 -3.28	8.42 -0.18 -3.50	10.11 -0.16 -5.16	11.66 -0.23 -6.01	11.94 -0.29 -6.58	17.60 -1.01 -4.03	19.27 -1.22 -2.80	15.92 -0.74 -2.19	14.75 -0.74 -1.35	10.04 -0.11 -1.96
OXY_CHEM_DSASP 323612	6.87 -0.11 -2.04	6.61 -0.05 -1.44	5.41 -0.05 -1.45	5.39 -0.07 -1.25	5.89 -0.07 -1.43	6.73 -0.12 -1.82	8.46 -0.13 -2.48	9.99 -0.23 -3.06	9.98 -0.29 -2.18	9.98 -0.30 -1.48	9.98 -0.26 -1.65	7.96 -0.21 -2.20	8.24 -0.22 -2.49	8.42 -0.23 -2.67	8.87 -0.23 -3.25	8.34 -0.23 -3.47	9.99 -0.21 -5.09	11.51 -0.29 -5.93	11.80 -0.36 -6.50	17.35 -1.21 -3.98	18.98 -1.49 -2.77	15.68 -0.95 -2.17	14.55 -0.92 -1.34	9.92 -0.21 -1.94
OZONE_PARK_ESR 323760	17.94 0.42 -12.58	14.54 0.42 -8.90	13.29 0.32 -8.96	12.29 0.37 -7.71	13.68 0.35 -8.80	16.68 0.41 -11.24	22.19 0.49 -15.58	26.93 0.59 -19.17	22.57 0.76 -13.73	18.99 0.85 -9.34	19.82 0.83 -10.40	20.38 0.57 -13.83	22.33 0.59 -15.77	23.59 0.60 -17.02	27.34 0.58 -20.90	27.91 0.50 -22.31	38.54 0.51 -32.92	44.96 0.59 -38.50	48.19 0.55 -41.98	40.50 1.34 -24.59	36.30 1.63 -16.98	28.91 1.14 -13.31	23.58 1.24 -8.21	20.81 0.74 -11.88
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	6.89 -0.09 -2.04	6.61 -0.05 -1.44	5.41 -0.05 -1.45	5.40 -0.07 -1.25	5.89 -0.07 -1.43	6.74 -0.12 -1.82	8.45 -0.13 -2.47	9.97 -0.23 -3.04	9.97 -0.28 -2.17	9.98 -0.30 -1.48	9.98 -0.26 -1.65	7.96 -0.21 -2.20	8.24 -0.22 -2.49	8.42 -0.23 -2.67	8.87 -0.23 -3.25	8.36 -0.23 -3.49	9.98 -0.21 -5.09	11.51 -0.29 -5.93	11.80 -0.36 -6.50	17.36 -1.20 -3.98	19.00 -1.47 -2.77	15.64 -1.00 -2.17	14.55 -0.92 -1.34	9.99 -0.14 -1.94
PACKARD___115KV_DUPONT_184 80571	6.89 -0.09 -2.04	6.61 -0.05 -1.44	5.41 -0.05 -1.45	5.40 -0.07 -1.25	5.89 -0.07 -1.43	6.74 -0.12 -1.82	8.45 -0.13 -2.47	9.97 -0.23 -3.04	9.97 -0.28 -2.17	9.98 -0.30 -1.48	9.98 -0.26 -1.65	7.96 -0.21 -2.20	8.24 -0.22 -2.49	8.42 -0.23 -2.67	8.87 -0.23 -3.25	8.36 -0.23 -3.49	9.98 -0.21 -5.09	11.51 -0.29 -5.93	11.80 -0.36 -6.50	17.36 -1.20 -3.98	19.00 -1.47 -2.77	15.64 -1.00 -2.17	14.55 -0.92 -1.34	9.99 -0.14 -1.94
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	17.93 0.41 -12.59	14.54 0.42 -8.91	13.29 0.32 -8.97	12.30 0.36 -7.72	13.69 0.36 -8.80	16.63 0.37 -11.24	22.11 0.41 -15.58	26.84 0.50 -19.18	22.47 0.66 -13.73	18.90 0.76 -9.34	19.73 0.74 -10.40	20.32 0.51 -13.83	22.27 0.53 -15.77	23.53 0.54 -17.02	27.27 0.52 -20.90	27.86 0.45 -22.31	38.48 0.46 -32.91	44.89 0.53 -38.49	48.13 0.50 -41.98	40.36 1.20 -24.59	36.09 1.42 -16.98	28.71 0.94 -13.31	23.40 1.06 -8.21	20.76 0.69 -11.88

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	17.93 0.41 -12.59	14.56 0.43 -8.91	13.31 0.34 -8.97	12.31 0.38 -7.72	13.70 0.38 -8.80	16.66 0.39 -11.24	22.12 0.43 -15.58	26.83 0.49 -19.18	22.49 0.68 -13.73	18.90 0.77 -9.34	19.72 0.73 -10.40	20.32 0.51 -13.83	22.28 0.54 -15.77	23.53 0.54 -17.02	27.27 0.52 -20.90	27.86 0.45 -22.31	38.48 0.46 -32.91	44.90 0.53 -38.49	48.13 0.50 -41.98	40.37 1.21 -24.59	36.15 1.47 -16.98	28.75 0.98 -13.31	23.51 1.17 -8.21	20.84 0.77 -11.88
PATROON__115KV_TB1 80586	20.37 0.22 -15.21	16.22 0.24 -10.76	15.03 0.19 -10.83	13.73 0.19 -9.32	15.39 0.21 -10.65	18.85 0.23 -13.59	25.25 0.29 -18.85	30.70 0.33 -23.21	25.07 0.37 -16.61	20.53 0.43 -11.30	21.59 0.41 -12.58	23.00 0.29 -16.74	25.08 0.29 -18.83	26.40 0.28 -20.14	30.40 0.27 -24.28	31.22 0.24 -25.88	42.67 0.24 -37.32	49.48 0.28 -43.32	53.10 0.26 -47.19	45.01 0.67 -29.76	39.15 0.81 -20.65	31.32 0.68 -16.18	24.76 0.65 -9.98	23.01 0.38 -14.45
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	7.14 -0.04 -2.24	6.81 0.00 -1.59	5.60 -0.01 -1.60	5.56 -0.03 -1.38	6.07 -0.02 -1.57	6.97 -0.07 -2.01	8.84 -0.06 -2.79	10.48 -0.11 -3.43	10.40 -0.14 -2.46	10.33 -0.14 -1.67	10.33 -0.12 -1.86	8.34 -0.11 -2.48	8.64 -0.13 -2.80	8.84 -0.14 -3.01	9.36 -0.14 -3.65	8.83 -0.16 -3.88	10.64 -0.14 -5.67	12.29 -0.19 -6.61	12.61 -0.24 -7.20	18.18 -0.80 -4.40	19.84 -0.90 -3.05	16.24 -0.61 -2.39	15.03 -0.58 -1.47	10.31 -0.01 -2.13
PAWLING_115_KV_BK3_REV_LBMP_H 345028	17.91 0.36 -12.61	14.50 0.35 -8.92	13.27 0.28 -8.98	12.26 0.31 -7.73	13.66 0.30 -8.83	16.65 0.35 -11.27	22.17 0.43 -15.63	26.89 0.49 -19.23	22.45 0.60 -13.77	18.83 0.67 -9.36	19.67 0.65 -10.43	20.29 0.45 -13.87	22.25 0.48 -15.81	23.51 0.49 -17.04	27.24 0.49 -20.91	27.84 0.43 -22.31	38.55 0.43 -33.01	44.95 0.50 -38.58	48.20 0.47 -42.07	40.48 1.15 -24.75	36.21 1.42 -17.10	28.93 1.07 -13.40	23.47 1.07 -8.26	20.79 0.64 -11.97
PEEKSKILL____ 23653	17.78 0.35 -12.49	14.40 0.34 -8.84	13.17 0.26 -8.90	12.17 0.30 -7.66	13.56 0.29 -8.74	16.53 0.34 -11.16	22.00 0.41 -15.48	26.69 0.48 -19.05	22.32 0.61 -13.63	18.76 0.69 -9.27	19.59 0.67 -10.32	20.17 0.46 -13.74	22.11 0.47 -15.67	23.36 0.48 -16.90	27.08 0.47 -20.76	27.67 0.41 -22.15	38.17 0.41 -32.65	44.53 0.47 -38.19	47.73 0.44 -41.64	40.03 1.08 -24.38	35.84 1.31 -16.84	28.61 0.95 -13.19	23.29 1.02 -8.14	20.56 0.59 -11.78
PGE MADISON__WINDPWR 24146	8.91 0.26 -3.71	8.14 0.29 -2.63	6.85 0.20 -2.64	6.73 0.24 -2.27	7.37 0.25 -2.60	8.65 0.31 -3.32	11.18 0.47 -4.60	13.33 0.51 -5.66	12.62 0.49 -4.05	11.96 0.40 -2.76	12.00 0.34 -3.07	10.24 0.19 -4.08	10.78 0.19 -4.62	11.12 0.19 -4.96	12.06 0.19 -6.02	11.72 0.19 -6.42	14.71 0.21 -9.39	17.07 0.26 -10.94	17.86 0.29 -11.92	22.85 0.99 -7.28	24.01 1.27 -5.04	19.44 1.03 -3.95	17.47 0.91 -2.44	12.26 0.54 -3.53
PIERCEFIELD__HYD 23852	2.28 -0.34 2.32	2.08 -0.35 2.78	2.12 -0.27 1.61	1.76 -0.28 2.17	1.80 -0.31 2.42	2.05 -0.33 2.65	2.00 -0.40 3.71	2.70 -0.47 3.99	2.91 -0.54 4.63	3.01 -0.62 5.18	2.90 -0.61 5.08	2.20 -0.41 3.36	2.54 -0.41 3.02	2.21 -0.41 3.36	2.59 -0.40 2.86	4.77 -0.33 0.00	4.79 -0.32 0.00	5.54 -0.33 0.00	5.36 -0.29 0.00	13.88 -0.70 0.00	16.79 -0.90 0.00	13.67 -0.80 0.00	13.37 -0.76 0.00	7.64 -0.55 0.00
PINELAWN_CC_1 323563	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.29 0.37 -7.71	13.71 0.38 -8.81	19.99 0.48 -14.48	26.04 0.59 -19.34	26.99 0.65 -19.18	25.66 0.81 -16.77	21.62 0.94 -11.87	25.64 0.92 -16.13	25.73 0.63 -19.12	26.04 0.64 -19.42	26.53 0.65 -19.91	27.33 0.57 -20.91	27.95 0.53 -22.32	38.49 0.44 -32.94	44.94 0.54 -38.52	48.19 0.53 -42.01	40.59 1.41 -24.59	40.54 1.87 -20.97	29.00 1.23 -13.31	26.72 1.41 -11.18	24.23 0.83 -15.21
PJM_GEN_HTP_PROXY 323702	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	19.05 0.78 -9.46	19.63 0.76 -10.27	20.33 0.53 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.90	27.87 0.45 -22.31	38.50 0.46 -32.93	44.92 0.53 -38.51	48.14 0.49 -42.00	40.36 1.20 -24.58	36.03 1.45 -16.88	28.88 1.01 -13.40	23.47 1.13 -8.21	20.73 0.66 -11.88
PJM_GEN_KEystone 24065	12.96 0.17 -7.85	10.96 0.19 -5.55	9.74 0.15 -5.59	9.18 0.16 -4.81	10.18 0.16 -5.49	12.21 0.17 -7.01	16.05 0.21 -9.72	19.36 0.23 -11.97	16.93 0.28 -8.57	15.08 0.33 -5.95	15.27 0.32 -6.36	14.81 0.21 -8.63	16.01 0.21 -9.83	16.79 0.21 -10.60	19.06 0.20 -13.00	19.15 0.17 -13.88	25.66 0.17 -20.38	29.88 0.18 -23.82	31.78 0.15 -25.98	30.14 0.28 -15.29	28.52 0.35 -10.47	23.14 0.30 -8.38	19.57 0.34 -5.10	15.87 0.29 -7.39
PJM_GEN_NEPTUNE_PROXY 323594	17.96 0.44 -12.58	14.52 0.40 -8.90	13.27 0.31 -8.96	12.26 0.34 -7.71	13.67 0.34 -8.81	18.46 0.43 -13.00	24.26 0.52 -17.63	26.91 0.57 -19.18	24.20 0.74 -15.39	20.51 0.86 -10.84	22.81 0.82 -13.39	23.25 0.56 -16.71	24.30 0.57 -17.76	25.14 0.57 -18.59	27.26 0.50 -20.91	27.88 0.46 -22.31	38.43 0.38 -32.94	44.86 0.46 -38.52	48.11 0.45 -42.01	40.36 1.20 -24.59	36.14 1.56 -16.89	28.94 1.07 -13.41	25.20 1.24 -9.82	22.63 0.75 -13.69
PJM_GEN_VFT_PROXY 323633	17.89 0.38 -12.58	14.48 0.37 -8.90	13.25 0.29 -8.96	12.26 0.34 -7.71	13.65 0.32 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.85 0.52 -19.18	22.48 0.67 -13.73	19.06 0.79 -9.46	19.60 0.74 -10.27	20.31 0.51 -13.83	22.27 0.53 -15.77	23.53 0.53 -17.02	27.27 0.51 -20.91	27.85 0.44 -22.31	38.48 0.43 -32.93	44.89 0.50 -38.51	48.12 0.46 -42.00	40.28 1.12 -24.58	35.94 1.36 -16.88	28.83 0.97 -13.40	23.44 1.10 -8.21	20.71 0.64 -11.88
PLATSBRG_115KV_PMLD1 355749	0.01 -0.32 4.61	1.37 -0.37 3.48	0.01 -0.29 3.71	-0.02 -0.30 3.94	-0.03 -0.32 4.23	-0.49 -0.35 5.18	0.15 -0.42 5.54	-0.04 -0.45 6.75	-0.47 -0.56 8.00	-0.47 -0.62 8.65	-0.08 -0.55 8.12	1.39 -0.38 4.21	-0.48 -0.38 6.06	1.42 -0.36 4.20	2.00 -0.26 3.58	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.66 0.01 0.00	14.65 0.07 0.00	17.68 -0.02 0.00	14.35 -0.12 0.00	13.93 -0.20 0.00	7.96 -0.23 0.00
PLEASANTVLY__LBMP 24000	18.26 0.30 -13.02	14.73 0.30 -9.21	13.51 0.24 -9.27	12.45 0.26 -7.98	13.90 0.26 -9.11	16.96 0.30 -11.63	22.60 0.36 -16.13	27.42 0.42 -19.84	22.80 0.52 -14.20	19.05 0.59 -9.66	19.92 0.58 -10.76	20.68 0.39 -14.31	22.70 0.40 -16.33	24.00 0.41 -17.62	27.89 0.40 -21.65	28.55 0.35 -23.10	39.69 0.34 -34.24	46.31 0.39 -40.04	49.69 0.37 -43.67	41.03 0.92 -25.53	36.45 1.11 -17.64	29.12 0.84 -13.82	23.53 0.88 -8.52	21.05 0.52 -12.34
PLSNTVLE_13_KV_13.8KVDIST 80602	17.92 0.35 -12.63	14.51 0.35 -8.94	13.27 0.27 -9.00	12.26 0.30 -7.74	13.66 0.30 -8.84	16.66 0.34 -11.29	22.18 0.42 -15.65	26.91 0.49 -19.26	22.48 0.61 -13.78	18.87 0.70 -9.37	19.71 0.68 -10.44	20.33 0.47 -13.89	22.29 0.48 -15.84	23.56 0.49 -17.09	27.32 0.48 -20.99	27.92 0.42 -22.40	38.64 0.42 -33.11	45.07 0.48 -38.72	48.33 0.45 -42.23	40.41 1.11 -24.73	36.12 1.34 -17.08	28.83 0.98 -13.38	23.42 1.03 -8.25	20.75 0.61 -11.95

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	17.92 0.35 -12.63	14.51 0.35 -8.94	13.27 0.27 -9.00	12.26 0.30 -7.74	13.66 0.30 -8.84	16.66 0.34 -11.29	22.18 0.42 -15.65	26.91 0.49 -19.26	22.48 0.61 -13.78	18.87 0.70 -9.37	19.71 0.68 -10.44	20.33 0.47 -13.89	22.29 0.48 -15.84	23.56 0.49 -17.09	27.32 0.48 -20.99	27.92 0.42 -22.40	38.64 0.42 -33.11	45.07 0.48 -38.72	48.33 0.45 -42.23	40.41 1.11 -24.73	36.12 1.34 -17.08	28.83 0.98 -13.38	23.42 1.03 -8.25	20.75 0.61 -11.95
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	17.99 0.33 -12.73	14.55 0.33 -9.00	13.32 0.26 -9.06	12.30 0.28 -7.80	13.72 0.29 -8.91	16.72 0.32 -11.37	22.28 0.40 -15.77	27.02 0.46 -19.40	22.53 0.56 -13.89	18.87 0.62 -9.45	19.69 0.58 -10.52	20.37 0.40 -13.99	22.21 0.41 -15.83	23.39 0.42 -17.00	26.91 0.42 -20.65	27.49 0.36 -22.02	37.62 0.36 -32.15	43.73 0.41 -37.44	46.86 0.39 -40.81	40.52 1.01 -24.94	36.20 1.24 -17.27	28.93 0.94 -13.53	23.45 0.98 -8.35	20.85 0.58 -12.08
POLETTI____ 23519	17.90 0.39 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.64 0.38 -11.24	22.13 0.43 -15.58	26.86 0.52 -19.17	22.49 0.68 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.27 0.53 -15.77	23.53 0.54 -17.02	27.27 0.52 -20.90	27.86 0.45 -22.31	38.48 0.45 -32.92	44.89 0.52 -38.50	48.12 0.49 -41.98	40.33 1.17 -24.59	36.09 1.42 -16.98	28.77 1.00 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
PORT_JEFF_3 23555	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	20.01 0.50 -14.48	26.06 0.61 -19.34	27.03 0.69 -19.18	25.69 0.84 -16.77	21.65 0.98 -11.87	25.69 0.97 -16.13	25.76 0.66 -19.12	26.07 0.68 -19.42	26.58 0.69 -19.91	27.36 0.60 -20.91	27.98 0.56 -22.32	38.51 0.46 -32.94	44.96 0.56 -38.52	48.21 0.55 -42.01	40.64 1.47 -24.59	44.68 1.98 -25.01	29.03 1.26 -13.31	26.76 1.46 -11.18	24.25 0.85 -15.21
PORT_JEFF_4 23616	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	20.01 0.50 -14.48	26.06 0.61 -19.34	27.03 0.69 -19.18	25.69 0.84 -16.77	21.65 0.98 -11.87	25.69 0.97 -16.13	25.76 0.66 -19.12	26.07 0.68 -19.42	26.58 0.69 -19.91	27.36 0.60 -20.91	27.98 0.56 -22.32	38.51 0.46 -32.94	44.96 0.56 -38.52	48.21 0.55 -42.01	40.64 1.47 -24.59	44.68 1.98 -25.01	29.03 1.26 -13.31	26.76 1.46 -11.18	24.25 0.85 -15.21
PORT_JEFF_IC 23713	18.03 0.51 -12.58	14.57 0.45 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.02 0.51 -14.48	26.07 0.62 -19.34	27.05 0.71 -19.18	25.71 0.86 -16.77	21.67 0.99 -11.87	25.72 1.00 -16.13	25.77 0.67 -19.12	26.09 0.70 -19.42	26.59 0.71 -19.91	27.38 0.62 -20.91	27.99 0.57 -22.32	38.51 0.46 -32.94	44.98 0.58 -38.52	48.22 0.56 -42.01	40.66 1.49 -24.59	43.93 2.02 -24.22	29.08 1.30 -13.31	26.81 1.50 -11.18	24.27 0.87 -15.21
PPL PILGRIM_ST_GT1 24216	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.00 0.49 -14.48	26.05 0.60 -19.34	26.99 0.65 -19.18	25.68 0.82 -16.77	21.63 0.96 -11.87	25.65 0.93 -16.13	25.73 0.63 -19.12	26.04 0.65 -19.42	26.54 0.66 -19.91	27.37 0.58 -20.94	27.99 0.54 -22.35	38.47 0.42 -32.94	44.93 0.53 -38.52	48.18 0.51 -42.01	40.59 1.39 -24.62	65.73 1.96 -46.08	29.03 1.23 -13.34	26.73 1.43 -11.18	24.25 0.85 -15.21
PPL PILGRIM_ST_GT2 24217	18.02 0.50 -12.58	14.56 0.44 -8.90	13.30 0.34 -8.96	12.30 0.37 -7.71	13.71 0.38 -8.81	20.00 0.49 -14.48	26.05 0.60 -19.34	26.99 0.65 -19.18	25.68 0.82 -16.77	21.63 0.96 -11.87	25.65 0.93 -16.13	25.73 0.63 -19.12	26.04 0.65 -19.42	26.54 0.66 -19.91	27.37 0.58 -20.94	27.99 0.54 -22.35	38.47 0.42 -32.94	44.93 0.53 -38.52	48.18 0.51 -42.01	40.59 1.39 -24.62	65.73 1.96 -46.08	29.03 1.23 -13.34	26.73 1.43 -11.18	24.25 0.85 -15.21
PPL_SHRM_GT3 24213	17.99 0.47 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.27 0.35 -7.71	13.68 0.35 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.09 0.75 -19.18	25.73 0.87 -16.77	21.69 1.01 -11.87	25.76 1.04 -16.13	25.78 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.43 0.67 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.03 0.63 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	44.90 2.18 -25.03	29.15 1.37 -13.31	26.86 1.55 -11.18	24.30 0.90 -15.21
PPL_SHRM_GT4 24214	17.99 0.47 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.27 0.35 -7.71	13.68 0.35 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.09 0.75 -19.18	25.73 0.87 -16.77	21.69 1.01 -11.87	25.76 1.04 -16.13	25.78 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.43 0.67 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.03 0.63 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	44.90 2.18 -25.03	29.15 1.37 -13.31	26.86 1.55 -11.18	24.30 0.90 -15.21
PROJECT____ORANGE 1 24174	6.22 -0.01 -1.29	6.13 0.00 -0.91	4.92 0.00 -0.92	5.00 -0.01 -0.79	5.42 0.00 -0.90	6.17 -0.01 -1.15	7.73 0.02 -1.60	9.14 0.01 -1.97	9.50 0.01 -1.41	9.77 0.01 -0.96	9.66 0.00 -1.07	7.37 -0.02 -1.42	7.55 -0.02 -1.60	7.67 -0.02 -1.72	7.92 -0.02 -2.09	7.31 -0.02 -2.23	8.35 -0.02 -3.26	9.64 -0.04 -3.80	9.75 -0.05 -4.14	16.99 -0.12 -2.53	19.32 -0.12 -1.75	15.76 -0.07 -1.37	14.89 -0.08 -0.85	9.44 0.02 -1.23
PROJECT____ORANGE 2 24166	6.22 -0.01 -1.29	6.13 0.00 -0.91	4.92 0.00 -0.92	5.00 -0.01 -0.79	5.42 0.00 -0.90	6.17 -0.01 -1.15	7.73 0.02 -1.60	9.14 0.01 -1.97	9.50 0.01 -1.41	9.77 0.01 -0.96	9.66 0.00 -1.07	7.37 -0.02 -1.42	7.55 -0.02 -1.60	7.67 -0.02 -1.72	7.92 -0.02 -2.09	7.31 -0.02 -2.23	8.35 -0.02 -3.26	9.64 -0.04 -3.80	9.75 -0.05 -4.14	16.99 -0.12 -2.53	19.32 -0.12 -1.75	15.76 -0.07 -1.37	14.89 -0.08 -0.85	9.44 0.02 -1.23
PUCKETT____SOLAR 323809	9.07 0.14 -3.99	8.21 0.16 -2.82	6.97 0.12 -2.84	6.79 0.13 -2.45	7.46 0.14 -2.79	8.75 0.16 -3.57	11.28 0.23 -4.95	13.48 0.24 -6.09	12.66 0.23 -4.36	11.97 0.20 -2.96	12.05 0.16 -3.30	10.45 0.09 -4.39	11.02 0.09 -4.97	11.40 0.09 -5.33	12.42 0.09 -6.48	12.09 0.08 -6.91	15.30 0.10 -10.10	17.76 0.12 -11.76	18.59 0.12 -12.82	22.77 0.36 -7.83	23.60 0.48 -5.42	19.15 0.43 -4.25	17.13 0.38 -2.62	12.26 0.28 -3.79
PYRITES____HYD 24023	2.26 -0.27 2.41	2.10 -0.27 2.86	2.11 -0.21 1.68	1.76 -0.21 2.25	1.79 -0.23 2.50	2.04 -0.23 2.76	2.02 -0.26 3.83	2.71 -0.34 4.12	2.92 -0.37 4.79	3.00 -0.46 5.35	2.88 -0.46 5.25	2.20 -0.32 3.45	2.51 -0.32 3.13	2.21 -0.32 3.45	2.59 -0.32 2.94	4.84 -0.26 0.00	4.86 -0.25 0.00	5.62 -0.26 0.00	5.44 -0.21 0.00	14.11 -0.47 0.00	17.07 -0.62 0.00	13.88 -0.58 0.00	13.58 -0.55 0.00	7.75 -0.43 0.00
QUAKERRD_115KV_BK1 80622	6.46 -0.08 -1.61	6.29 -0.07 -1.14	5.09 -0.06 -1.15	5.12 -0.08 -0.99	5.58 -0.07 -1.13	6.38 -0.09 -1.44	8.01 -0.09 -1.99	9.49 -0.12 -2.45	9.68 -0.16 -1.76	9.81 -0.18 -1.19	9.76 -0.16 -1.33	7.60 -0.14 -1.77	7.82 -0.15 -2.00	7.97 -0.16 -2.15	8.31 -0.15 -2.61	7.74 -0.14 -2.78	9.05 -0.13 -4.07	10.45 -0.17 -4.74	10.61 -0.20 -5.17	17.15 -0.58 -3.16	19.17 -0.71 -2.19	15.70 -0.48 -1.71	14.69 -0.49 -1.06	9.61 -0.11 -1.53

QUENSBRY_115KV_TB8 356137	20.74 0.12 -15.68	16.41 0.09 -11.10	15.25 0.07 -11.17	13.89 0.06 -9.61	15.59 0.09 -10.98	19.16 0.12 -14.01	25.75 0.18 -19.46	31.34 0.23 -23.95	25.44 0.21 -17.14	20.70 0.24 -11.66	21.82 0.25 -12.98	23.45 0.20 -17.27	25.61 0.21 -19.43	26.98 0.21 -20.79	31.11 0.19 -25.07	31.99 0.17 -26.72	43.84 0.18 -38.55	50.84 0.21 -44.75	54.54 0.20 -48.69	45.84 0.58 -30.68	39.65 0.67 -21.28	31.64 0.51 -16.68	24.77 0.35 -10.28	23.26 0.18 -14.89
RAMAPO____LBMP 323565	17.51 0.34 -12.23	14.21 0.34 -8.65	12.98 0.26 -8.71	12.01 0.29 -7.50	13.38 0.29 -8.56	16.29 0.33 -10.93	21.67 0.40 -15.16	26.29 0.48 -18.65	22.04 0.61 -13.35	18.56 0.68 -9.08	19.36 0.66 -10.11	19.88 0.45 -13.45	21.77 0.47 -15.34	23.00 0.47 -16.55	26.63 0.46 -20.32	27.19 0.40 -21.69	37.31 0.39 -31.81	43.53 0.45 -37.20	46.64 0.42 -40.57	39.41 1.05 -23.78	35.40 1.27 -16.43	28.27 0.94 -12.87	23.06 0.99 -7.94	20.27 0.59 -11.49
RANKINE____ 23646	7.15 0.01 -2.20	6.83 0.05 -1.55	5.60 0.03 -1.57	5.58 0.01 -1.35	6.09 0.02 -1.54	6.98 -0.02 -1.96	8.84 -0.01 -2.73	10.47 -0.06 -3.36	10.41 -0.08 -2.41	10.36 -0.08 -1.64	10.36 -0.06 -1.82	8.33 -0.07 -2.43	8.62 -0.09 -2.75	8.82 -0.10 -2.95	9.32 -0.11 -3.58	8.78 -0.12 -3.80	10.55 -0.11 -5.55	12.18 -0.16 -6.47	12.49 -0.21 -7.05	18.13 -0.76 -4.31	19.83 -0.85 -2.99	16.27 -0.54 -2.34	15.07 -0.51 -1.44	10.34 0.07 -2.09
RAVENSWOOD_GT2_1 24244	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.44 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.94	44.92 0.53 -38.51	48.14 0.49 -42.00	40.36 1.20 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT2_2 24245	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.44 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.94	44.92 0.53 -38.51	48.14 0.49 -42.00	40.36 1.20 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT2_3 24246	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.55 0.55 -17.02	27.28 0.53 -20.91	27.87 0.46 -22.31	38.50 0.46 -32.94	44.92 0.53 -38.51	48.15 0.50 -42.00	40.37 1.21 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT2_4 24247	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.29 0.54 -15.77	23.55 0.55 -17.02	27.28 0.53 -20.91	27.87 0.46 -22.31	38.50 0.46 -32.94	44.92 0.53 -38.51	48.15 0.50 -42.00	40.37 1.21 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.47 1.13 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT3_1 24248	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.94	44.92 0.53 -38.51	48.14 0.49 -42.00	40.36 1.20 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT3_2 24249	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.94	44.92 0.53 -38.51	48.14 0.49 -42.00	40.36 1.20 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT3_3 24250	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.93 0.79 -9.34	19.76 0.77 -10.40	20.34 0.53 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.29 0.54 -20.91	27.88 0.46 -22.31	38.51 0.47 -32.94	44.93 0.54 -38.51	48.16 0.50 -42.00	40.39 1.22 -24.58	36.14 1.47 -16.98	28.79 1.03 -13.31	23.47 1.13 -8.21	20.74 0.67 -11.88
RAVENSWOOD_GT3_4 24251	17.92 0.40 -12.58	14.51 0.39 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.15 0.45 -15.59	26.88 0.54 -19.18	22.50 0.70 -13.73	18.93 0.79 -9.34	19.76 0.77 -10.40	20.34 0.53 -13.83	22.29 0.55 -15.77	23.55 0.56 -17.02	27.29 0.54 -20.91	27.88 0.46 -22.31	38.51 0.47 -32.94	44.93 0.54 -38.51	48.16 0.50 -42.00	40.39 1.22 -24.58	36.14 1.47 -16.98	28.79 1.03 -13.31	23.47 1.13 -8.21	20.74 0.67 -11.88
RAVENSWOOD_GT_1 23729	17.95 0.42 -12.59	14.54 0.41 -8.91	13.29 0.32 -8.97	12.29 0.36 -7.72	13.68 0.35 -8.80	16.66 0.39 -11.24	22.14 0.44 -15.59	26.88 0.54 -19.18	22.52 0.71 -13.73	18.95 0.81 -9.34	19.78 0.79 -10.40	20.35 0.54 -13.83	22.30 0.56 -15.77	23.56 0.57 -17.02	27.30 0.55 -20.91	27.89 0.47 -22.31	38.54 0.49 -32.95	44.96 0.56 -38.53	52.92 0.52 -46.75	40.42 1.25 -24.58	36.18 1.50 -16.98	28.78 1.01 -13.31	23.48 1.14 -8.21	20.76 0.69 -11.88
RAVENSWOOD_GT_10 24258	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.93	44.92 0.53 -38.51	47.95 0.49 -41.81	40.36 1.20 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT_11 24259	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.93	44.92 0.53 -38.51	47.95 0.49 -41.81	40.36 1.20 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT_4 24252	17.90 0.39 -12.57	14.49 0.38 -8.89	13.25 0.29 -8.95	12.25 0.33 -7.70	13.65 0.32 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.49 0.45 -32.93	44.91 0.52 -38.51	48.85 0.49 -42.72	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.72 0.66 -11.88

RAVENSWOOD_GT_5 24254	17.90 0.39 -12.57	14.49 0.38 -8.89	13.25 0.29 -8.95	12.25 0.33 -7.70	13.65 0.32 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.49 0.45 -32.93	44.91 0.52 -38.51	48.85 0.49 -42.72	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.72 0.66 -11.88
RAVENSWOOD_GT_6 24253	17.90 0.39 -12.57	14.49 0.38 -8.89	13.25 0.29 -8.95	12.25 0.33 -7.70	13.65 0.32 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.49 0.45 -32.93	44.91 0.52 -38.51	48.85 0.49 -42.72	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.72 0.66 -11.88
RAVENSWOOD_GT_7 24255	17.90 0.39 -12.57	14.49 0.38 -8.89	13.25 0.29 -8.95	12.25 0.33 -7.70	13.65 0.32 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.49 0.45 -32.93	44.91 0.52 -38.51	48.85 0.49 -42.72	40.34 1.18 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.72 0.66 -11.88
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.93	44.92 0.53 -38.51	47.95 0.49 -41.81	40.36 1.20 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD_GT_9 24257	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.74 0.76 -10.40	20.32 0.52 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.93	44.92 0.53 -38.51	47.95 0.49 -41.81	40.36 1.20 -24.58	36.11 1.43 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD___1 23533	17.94 0.42 -12.59	14.53 0.41 -8.91	13.29 0.32 -8.97	12.29 0.36 -7.72	13.67 0.34 -8.80	16.65 0.38 -11.24	22.13 0.44 -15.59	26.88 0.54 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.30 0.55 -20.91	27.88 0.47 -22.31	38.53 0.48 -32.94	44.95 0.55 -38.52	50.06 0.52 -43.89	40.40 1.25 -24.58	36.16 1.50 -16.98	28.76 1.00 -13.31	23.47 1.13 -8.21	20.75 0.69 -11.88
RAVENSWOOD___2 23534	17.94 0.41 -12.59	14.53 0.41 -8.91	13.29 0.32 -8.97	12.29 0.36 -7.72	13.67 0.34 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.51 0.70 -13.73	18.94 0.80 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.30 0.54 -20.91	27.88 0.47 -22.31	38.53 0.48 -32.94	44.95 0.55 -38.52	50.06 0.52 -43.89	40.40 1.24 -24.58	36.16 1.49 -16.98	28.76 1.00 -13.31	23.47 1.13 -8.21	20.75 0.68 -11.88
RAVENSWOOD___3 23535	17.91 0.40 -12.58	14.50 0.38 -8.90	13.26 0.30 -8.96	12.26 0.34 -7.71	13.66 0.33 -8.80	16.65 0.38 -11.24	22.14 0.45 -15.59	26.88 0.54 -19.18	22.50 0.69 -13.73	18.92 0.78 -9.34	19.75 0.76 -10.40	20.33 0.53 -13.83	22.28 0.54 -15.77	23.54 0.54 -17.02	27.28 0.53 -20.91	27.87 0.45 -22.31	38.50 0.46 -32.94	44.92 0.53 -38.51	48.14 0.49 -42.00	40.36 1.20 -24.58	36.13 1.45 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.73 0.66 -11.88
RAVENSWOOD___4 23820	17.94 0.41 -12.59	14.53 0.40 -8.91	13.28 0.31 -8.97	12.29 0.35 -7.72	13.67 0.34 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.59	26.88 0.54 -19.18	22.51 0.70 -13.73	18.93 0.79 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.30 0.54 -20.91	27.88 0.47 -22.31	38.53 0.48 -32.94	44.95 0.55 -38.52	47.24 0.51 -41.07	40.40 1.24 -24.58	36.16 1.49 -16.98	28.76 1.00 -13.31	23.45 1.12 -8.21	20.75 0.68 -11.88
RCPL_TRUST___DRP 24196	17.91 0.40 -12.58	14.50 0.39 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.39 -11.24	22.15 0.46 -15.58	26.89 0.56 -19.17	22.52 0.71 -13.73	18.95 0.81 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.29 0.54 -20.90	27.88 0.47 -22.31	38.50 0.47 -32.92	44.92 0.55 -38.50	48.14 0.50 -41.98	40.39 1.22 -24.59	36.16 1.49 -16.98	28.82 1.06 -13.31	23.48 1.14 -8.21	20.75 0.68 -11.88
RED___ROCHESTER 323720	6.65 0.06 -1.65	6.47 0.08 -1.17	5.23 0.05 -1.18	5.26 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.24 0.08 -2.05	9.77 0.09 -2.52	9.93 0.05 -1.80	10.07 0.04 -1.23	10.06 0.10 -1.36	7.82 0.03 -1.81	8.04 0.02 -2.05	8.20 0.02 -2.20	8.54 0.02 -2.68	7.96 0.00 -2.86	9.30 0.01 -4.18	10.73 -0.01 -4.87	10.90 -0.06 -5.30	17.61 -0.20 -3.24	19.69 -0.25 -2.24	16.16 -0.06 -1.76	15.07 -0.14 -1.08	9.84 0.08 -1.57
REGAN___SOLAR 323812	23.01 0.39 -17.68	18.19 0.46 -12.51	16.95 0.36 -12.59	15.43 0.37 -10.84	17.32 0.42 -12.38	21.34 0.51 -15.80	28.72 0.70 -21.91	34.76 0.64 -26.96	28.17 0.79 -19.30	22.74 0.79 -13.14	23.88 0.65 -14.64	25.94 0.49 -19.47	28.42 0.49 -21.96	29.98 0.47 -23.53	34.77 0.46 -28.46	35.87 0.42 -30.35	49.57 0.45 -44.01	57.62 0.58 -51.16	61.96 0.56 -55.75	50.80 1.56 -34.66	43.58 1.86 -24.03	34.98 1.69 -18.83	27.23 1.48 -11.61	25.85 0.85 -16.81
RENSSELAER___COGEN 23796	20.22 0.21 -15.07	16.10 0.22 -10.66	14.91 0.17 -10.73	13.63 0.18 -9.24	15.27 0.19 -10.55	18.71 0.21 -13.47	25.04 0.26 -18.67	30.44 0.30 -22.98	24.86 0.33 -16.45	20.38 0.39 -11.19	21.42 0.37 -12.46	22.80 0.25 -16.58	24.87 0.25 -18.65	26.18 0.25 -19.96	30.16 0.24 -24.07	30.97 0.21 -25.66	42.36 0.21 -37.04	49.12 0.24 -43.00	52.73 0.23 -46.85	44.65 0.60 -29.48	38.87 0.73 -20.45	31.09 0.61 -16.02	24.59 0.58 -9.88	22.83 0.34 -14.31
REPUBLIC_115KV_BARTNBRK 55605	20.93 0.32 -15.67	16.61 0.30 -11.09	15.40 0.23 -11.16	14.05 0.23 -9.60	15.77 0.28 -10.97	19.37 0.34 -14.00	26.05 0.49 -19.45	31.67 0.58 -23.93	25.78 0.57 -17.13	21.06 0.61 -11.65	22.12 0.56 -12.97	23.70 0.46 -17.26	25.88 0.50 -19.41	27.22 0.47 -20.77	31.33 0.44 -25.04	32.19 0.39 -26.69	44.02 0.41 -38.50	51.06 0.49 -44.70	54.74 0.45 -48.64	46.54 1.31 -30.65	40.50 1.54 -21.27	32.28 1.16 -16.66	25.38 0.98 -10.28	23.62 0.56 -14.88
REVERE_CPPR_DRP 24186	5.61 0.06 -0.61	5.70 0.09 -0.39	4.50 0.06 -0.43	4.64 0.08 -0.34	4.99 0.07 -0.40	5.65 0.10 -0.52	7.01 0.17 -0.73	8.25 0.17 -0.92	8.86 0.20 -0.58	9.26 0.15 -0.30	9.08 0.12 -0.37	6.68 0.05 -0.65	6.78 0.06 -0.76	6.85 0.05 -0.82	6.95 0.05 -1.05	6.41 0.06 -1.25	7.01 0.08 -1.82	8.10 0.10 -2.12	8.08 0.11 -2.31	16.40 0.41 -1.41	19.19 0.51 -0.98	15.60 0.38 -0.77	14.97 0.37 -0.47	9.09 0.22 -0.68

REYNOLDS_115KV_TB3 80639	20.24 0.20 -15.10	16.11 0.21 -10.68	14.92 0.17 -10.75	13.64 0.17 -9.25	15.28 0.19 -10.57	18.72 0.21 -13.49	25.06 0.25 -18.70	30.47 0.29 -23.02	24.88 0.32 -16.48	20.38 0.37 -11.21	21.43 0.36 -12.48	22.83 0.24 -16.61	24.87 0.24 -18.66	26.16 0.23 -19.96	30.10 0.23 -24.03	30.91 0.20 -25.61	42.17 0.20 -36.86	48.87 0.23 -42.77	52.46 0.22 -46.59	44.67 0.57 -29.52	38.87 0.69 -20.49	31.09 0.58 -16.05	24.58 0.55 -9.90	22.85 0.33 -14.33
RIVERBAY____ 323610	17.93 0.41 -12.59	14.56 0.43 -8.91	13.31 0.34 -8.97	12.31 0.38 -7.72	13.70 0.38 -8.80	16.66 0.39 -11.24	22.12 0.43 -15.58	26.83 0.49 -19.18	22.49 0.68 -13.73	18.90 0.77 -9.34	19.72 0.73 -10.40	20.32 0.51 -13.83	22.28 0.54 -15.77	23.53 0.54 -17.02	27.27 0.52 -20.90	27.86 0.45 -22.31	38.48 0.46 -32.91	44.90 0.53 -38.49	48.13 0.50 -41.98	40.37 1.21 -24.59	36.15 1.47 -16.98	28.75 0.98 -13.31	23.51 1.17 -8.21	20.84 0.77 -11.88
RIVERSDE_115KV_TB3 55908	20.26 0.21 -15.11	16.13 0.22 -10.69	14.94 0.18 -10.76	13.65 0.18 -9.26	15.30 0.20 -10.57	18.74 0.22 -13.50	25.09 0.26 -18.72	30.50 0.30 -23.04	24.92 0.34 -16.49	20.42 0.40 -11.22	21.46 0.38 -12.49	22.85 0.26 -16.62	24.91 0.26 -18.68	26.21 0.25 -19.98	30.17 0.25 -24.07	30.98 0.21 -25.66	42.29 0.21 -36.97	49.03 0.25 -42.90	52.63 0.24 -46.74	44.72 0.60 -29.55	38.92 0.73 -20.50	31.15 0.62 -16.07	24.63 0.59 -9.91	22.88 0.34 -14.35
ROARING____BROOK_WT_PWR 323790	-1.47 -0.28 6.13	-1.71 -0.30 6.64	-0.67 -0.23 4.44	-1.65 -0.25 5.62	-1.94 -0.27 6.19	-2.25 -0.30 6.99	-3.43 -0.37 9.18	-3.39 -0.42 10.14	-4.17 -0.45 11.80	-4.78 -0.49 13.09	-4.61 -0.47 12.72	-2.37 -0.33 8.01	-2.38 -0.33 8.01	-2.38 -0.34 8.01	-1.31 -0.32 6.83	4.84 -0.27 0.00	4.87 -0.24 0.00	5.66 -0.22 0.00	5.49 -0.16 0.00	14.18 -0.39 0.00	17.18 -0.51 0.00	14.01 -0.45 0.00	13.72 -0.41 0.00	7.94 -0.25 0.00
ROCHESRG_115KV_T4 355643	6.61 0.03 -1.64	6.42 0.04 -1.16	5.19 0.02 -1.17	5.23 0.00 -1.01	5.70 0.02 -1.15	6.51 0.02 -1.47	8.17 0.02 -2.03	9.68 0.01 -2.50	9.86 -0.02 -1.79	9.99 -0.04 -1.22	9.96 0.01 -1.36	7.75 -0.03 -1.81	7.97 -0.04 -2.04	8.13 -0.04 -2.19	8.47 -0.04 -2.67	7.90 -0.05 -2.84	9.22 -0.04 -4.16	10.65 -0.07 -4.84	10.82 -0.11 -5.28	17.42 -0.38 -3.22	19.47 -0.46 -2.23	15.95 -0.26 -1.75	14.93 -0.28 -1.08	9.81 0.06 -1.56
ROCHESTER_9_IC 23652	6.64 0.05 -1.65	6.46 0.07 -1.17	5.22 0.04 -1.18	5.25 0.02 -1.01	5.73 0.05 -1.16	6.55 0.05 -1.48	8.21 0.06 -2.04	9.73 0.05 -2.52	9.91 0.02 -1.80	10.04 0.01 -1.22	10.02 0.06 -1.36	7.79 0.00 -1.81	8.01 -0.01 -2.05	8.17 -0.01 -2.20	8.51 -0.01 -2.68	7.93 -0.03 -2.86	9.27 -0.02 -4.18	10.70 -0.04 -4.87	10.87 -0.08 -5.30	17.53 -0.29 -3.24	19.58 -0.35 -2.24	16.06 -0.16 -1.76	15.00 -0.21 -1.08	9.86 0.10 -1.57
ROCKVIEW_13_KV_LD 356306	17.89 0.38 -12.58	14.49 0.37 -8.90	13.25 0.28 -8.96	12.25 0.32 -7.71	13.64 0.31 -8.80	16.63 0.36 -11.24	22.14 0.45 -15.58	26.87 0.53 -19.18	22.47 0.66 -13.73	18.89 0.75 -9.34	19.72 0.73 -10.40	20.31 0.50 -13.83	22.27 0.53 -15.78	23.53 0.53 -17.02	27.27 0.51 -20.91	27.86 0.45 -22.31	38.48 0.45 -32.92	44.89 0.52 -38.50	48.12 0.49 -41.99	40.35 1.18 -24.59	36.11 1.43 -16.98	28.81 1.04 -13.31	23.44 1.10 -8.21	20.73 0.66 -11.88
ROME____115KV_TB2 80656	5.61 0.06 -0.61	5.70 0.09 -0.39	4.50 0.06 -0.43	4.64 0.08 -0.34	4.99 0.07 -0.40	5.65 0.10 -0.52	7.01 0.17 -0.73	8.25 0.17 -0.92	8.86 0.20 -0.58	9.26 0.15 -0.30	9.08 0.12 -0.37	6.68 0.05 -0.65	6.78 0.06 -0.76	6.85 0.05 -0.82	6.95 0.05 -1.05	6.41 0.06 -1.25	7.01 0.08 -1.82	8.10 0.10 -2.12	8.08 0.11 -2.31	16.40 0.41 -1.41	19.19 0.51 -0.98	15.60 0.38 -0.77	14.97 0.37 -0.47	9.09 0.22 -0.68
ROSETON____1 23587	17.65 0.32 -12.40	14.30 0.31 -8.77	13.07 0.24 -8.83	12.08 0.27 -7.60	13.47 0.27 -8.68	16.41 0.31 -11.08	21.85 0.37 -15.36	26.50 0.44 -18.90	22.15 0.54 -13.53	18.62 0.62 -9.20	19.43 0.59 -10.25	20.01 0.41 -13.63	21.93 0.42 -15.55	23.17 0.42 -16.77	26.86 0.42 -20.60	27.44 0.36 -21.98	38.11 0.36 -32.64	44.45 0.41 -38.16	47.66 0.39 -41.62	39.92 0.96 -24.38	35.72 1.19 -16.84	28.53 0.87 -13.20	23.19 0.92 -8.14	20.51 0.54 -11.79
ROSETON____2 23588	17.65 0.32 -12.40	14.30 0.31 -8.77	13.07 0.24 -8.83	12.08 0.27 -7.60	13.47 0.27 -8.68	16.41 0.31 -11.08	21.85 0.37 -15.36	26.50 0.44 -18.90	22.15 0.54 -13.53	18.62 0.62 -9.20	19.43 0.59 -10.25	20.01 0.41 -13.63	21.93 0.42 -15.55	23.17 0.42 -16.77	26.86 0.42 -20.60	27.44 0.36 -21.98	38.11 0.36 -32.64	44.45 0.41 -38.16	47.66 0.39 -41.62	39.92 0.96 -24.38	35.72 1.19 -16.84	28.53 0.87 -13.20	23.19 0.92 -8.14	20.51 0.54 -11.79
ROTTSDAM_115KV_TB3 80664	20.99 0.17 -15.88	16.64 0.18 -11.23	15.46 0.14 -11.31	14.10 0.15 -9.73	15.80 0.16 -11.11	19.40 0.18 -14.19	26.06 0.24 -19.71	31.68 0.26 -24.26	25.75 0.31 -17.36	20.96 0.34 -11.81	22.07 0.33 -13.15	23.70 0.23 -17.50	25.90 0.23 -19.70	27.31 0.23 -21.10	31.56 0.23 -25.48	32.47 0.20 -27.16	44.60 0.20 -39.29	51.76 0.24 -45.64	55.52 0.22 -49.65	46.21 0.57 -31.07	39.93 0.69 -21.54	31.89 0.55 -16.88	25.06 0.52 -10.41	23.57 0.31 -15.07
RUSSELL____1 23602	6.66 0.07 -1.65	6.48 0.09 -1.17	5.23 0.05 -1.18	5.26 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.24 0.08 -2.04	9.76 0.09 -2.52	9.94 0.06 -1.80	10.07 0.04 -1.23	10.06 0.10 -1.36	7.82 0.03 -1.81	8.04 0.02 -2.05	8.20 0.02 -2.20	8.54 0.02 -2.68	7.96 0.00 -2.86	9.30 0.01 -4.18	10.73 -0.01 -4.87	10.90 -0.06 -5.30	17.61 -0.20 -3.24	19.69 -0.25 -2.24	16.15 -0.07 -1.76	15.07 -0.14 -1.08	9.89 0.13 -1.57
RUSSELL____2 23532	6.66 0.07 -1.65	6.48 0.09 -1.17	5.23 0.05 -1.18	5.26 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.24 0.08 -2.04	9.76 0.09 -2.52	9.94 0.06 -1.80	10.07 0.04 -1.23	10.06 0.10 -1.36	7.82 0.03 -1.81	8.04 0.02 -2.05	8.20 0.02 -2.20	8.54 0.02 -2.68	7.96 0.00 -2.86	9.30 0.01 -4.18	10.73 -0.01 -4.87	10.90 -0.06 -5.30	17.61 -0.20 -3.24	19.69 -0.25 -2.24	16.15 -0.07 -1.76	15.07 -0.14 -1.08	9.89 0.13 -1.57
RUSSELL____3 23549	6.66 0.07 -1.65	6.48 0.09 -1.17	5.23 0.05 -1.18	5.26 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.24 0.08 -2.04	9.76 0.09 -2.52	9.94 0.06 -1.80	10.07 0.04 -1.23	10.06 0.10 -1.36	7.82 0.03 -1.81	8.04 0.02 -2.05	8.20 0.02 -2.20	8.54 0.02 -2.68	7.96 0.00 -2.86	9.30 0.01 -4.18	10.73 -0.01 -4.87	10.90 -0.06 -5.30	17.61 -0.20 -3.24	19.69 -0.25 -2.24	16.15 -0.07 -1.76	15.07 -0.14 -1.08	9.89 0.13 -1.57
RUSSELL____4 23556	6.66 0.07 -1.65	6.48 0.09 -1.17	5.23 0.05 -1.18	5.26 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.24 0.08 -2.04	9.76 0.09 -2.52	9.94 0.06 -1.80	10.07 0.04 -1.23	10.06 0.10 -1.36	7.82 0.03 -1.81	8.04 0.02 -2.05	8.20 0.02 -2.20	8.54 0.02 -2.68	7.96 0.00 -2.86	9.30 0.01 -4.18	10.73 -0.01 -4.87	10.90 -0.06 -5.30	17.61 -0.20 -3.24	19.69 -0.25 -2.24	16.15 -0.07 -1.76	15.07 -0.14 -1.08	9.89 0.13 -1.57

RUSSELL___STATION 23914	6.66 0.07 -1.65	6.48 0.09 -1.17	5.23 0.05 -1.18	5.26 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.24 0.08 -2.04	9.76 0.09 -2.52	9.94 0.06 -1.80	10.07 0.04 -1.23	10.06 0.10 -1.36	7.82 0.03 -1.81	8.04 0.02 -2.05	8.20 0.02 -2.20	8.54 0.02 -2.68	7.96 0.00 -2.86	9.30 0.01 -4.18	10.73 -0.01 -4.87	10.90 -0.06 -5.30	17.61 -0.20 -3.24	19.69 -0.25 -2.24	16.15 -0.07 -1.76	15.07 -0.14 -1.08	9.89 0.13 -1.57
S SALMON___HYD 24043	5.72 -0.07 -0.86	5.64 -0.07 -0.49	4.56 -0.06 -0.61	4.61 -0.06 -0.45	4.99 -0.06 -0.52	5.68 -0.06 -0.71	7.05 -0.04 -0.98	8.36 -0.06 -1.26	8.72 -0.10 -0.74	8.98 -0.13 -0.31	8.85 -0.15 -0.41	6.71 -0.12 -0.86	6.89 -0.13 -1.05	6.97 -0.12 -1.11	7.20 -0.12 -1.47	6.86 -0.10 -1.85	7.73 -0.08 -2.71	8.92 -0.11 -3.15	8.98 -0.10 -3.43	16.47 -0.20 -2.10	18.92 -0.23 -1.45	15.44 -0.16 -1.14	14.66 -0.17 -0.70	9.14 -0.07 -1.02
S.PERRY___115KV_TB1 80734	7.32 0.30 -2.09	7.02 0.32 -1.48	5.72 0.23 -1.49	5.72 0.22 -1.28	6.26 0.28 -1.46	7.21 0.31 -1.87	9.12 0.42 -2.59	10.79 0.44 -3.19	10.77 0.40 -2.28	10.72 0.37 -1.55	10.69 0.37 -1.73	8.49 0.22 -2.30	8.75 0.18 -2.60	8.94 0.17 -2.79	9.41 0.18 -3.39	8.86 0.14 -3.62	10.54 0.15 -5.29	12.22 0.19 -6.16	12.54 0.18 -6.71	19.23 0.55 -4.10	21.31 0.78 -2.84	17.40 0.71 -2.23	16.14 0.64 -1.37	10.73 0.56 -1.99
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	7.05 0.00 -2.11	6.75 0.04 -1.49	5.53 0.02 -1.50	5.51 0.00 -1.29	6.02 0.01 -1.48	6.89 -0.03 -1.88	8.71 -0.02 -2.62	10.30 -0.09 -3.22	10.27 -0.12 -2.31	10.25 -0.12 -1.57	10.25 -0.09 -1.75	8.20 -0.10 -2.32	8.49 -0.11 -2.63	8.68 -0.12 -2.82	9.15 -0.12 -3.43	8.61 -0.14 -3.65	10.32 -0.12 -5.34	11.91 -0.18 -6.21	12.19 -0.24 -6.77	17.87 -0.85 -4.14	19.57 -0.99 -2.87	16.07 -0.64 -2.25	14.92 -0.59 -1.38	10.23 0.03 -2.00
SAWYER___23_KV_LOAD 55526	7.05 0.00 -2.11	6.75 0.04 -1.49	5.53 0.02 -1.50	5.51 0.00 -1.29	6.02 0.01 -1.48	6.89 -0.03 -1.88	8.71 -0.02 -2.62	10.30 -0.09 -3.22	10.27 -0.12 -2.31	10.25 -0.12 -1.57	10.25 -0.09 -1.75	8.20 -0.10 -2.32	8.49 -0.11 -2.63	8.68 -0.12 -2.82	9.15 -0.12 -3.43	8.61 -0.14 -3.65	10.32 -0.12 -5.34	11.91 -0.18 -6.21	12.19 -0.24 -6.77	17.87 -0.85 -4.14	19.57 -0.99 -2.87	16.07 -0.64 -2.25	14.92 -0.59 -1.38	10.23 0.03 -2.00
SELKIRK___I 23801	19.98 0.20 -14.84	15.93 0.21 -10.50	14.74 0.17 -10.57	13.48 0.17 -9.09	15.10 0.19 -10.39	18.50 0.21 -13.26	24.75 0.26 -18.39	30.07 0.29 -22.62	24.59 0.31 -16.19	20.16 0.35 -11.00	21.19 0.34 -12.25	22.51 0.23 -16.30	24.58 0.23 -18.38	25.89 0.23 -19.69	29.88 0.22 -23.81	30.68 0.19 -25.39	42.10 0.19 -36.80	48.87 0.22 -42.77	52.47 0.21 -46.60	44.15 0.57 -29.00	38.48 0.67 -20.11	30.80 0.58 -15.76	24.40 0.55 -9.72	22.59 0.33 -14.07
SELKIRK___II 23799	20.15 0.19 -15.02	16.05 0.20 -10.62	14.86 0.16 -10.69	13.58 0.16 -9.20	15.22 0.18 -10.51	18.64 0.20 -13.42	24.96 0.24 -18.61	30.33 0.27 -22.89	24.78 0.31 -16.39	20.29 0.35 -11.13	21.33 0.34 -12.40	22.70 0.23 -16.50	24.78 0.23 -18.59	26.11 0.23 -19.91	30.12 0.22 -24.05	30.94 0.19 -25.64	42.42 0.19 -37.11	49.22 0.22 -43.13	52.85 0.21 -46.99	44.46 0.54 -29.35	38.70 0.66 -20.35	30.96 0.55 -15.95	24.50 0.54 -9.83	22.74 0.31 -14.24
SENECA OSWGO___HYD 24041	6.06 -0.08 -1.20	6.00 -0.07 -0.85	4.80 -0.06 -0.86	4.89 -0.07 -0.74	5.31 -0.06 -0.84	6.02 -0.08 -1.08	7.54 -0.07 -1.49	8.91 -0.09 -1.84	9.29 -0.11 -1.31	9.57 -0.12 -0.89	9.45 -0.14 -1.00	7.19 -0.11 -1.32	7.35 -0.11 -1.50	7.48 -0.11 -1.61	7.70 -0.11 -1.95	7.09 -0.10 -2.08	8.06 -0.10 -3.05	9.31 -0.12 -3.55	9.39 -0.12 -3.87	16.63 -0.31 -2.36	18.98 -0.35 -1.64	15.51 -0.23 -1.28	14.65 -0.27 -0.79	9.23 -0.11 -1.15
SENECA___115KV_TB3 355854	7.15 0.01 -2.20	6.84 0.06 -1.55	5.61 0.04 -1.57	5.58 0.02 -1.35	6.10 0.03 -1.54	6.98 -0.01 -1.96	8.85 0.00 -2.73	10.48 -0.04 -3.36	10.42 -0.07 -2.41	10.37 -0.07 -1.64	10.37 -0.04 -1.82	8.34 -0.07 -2.43	8.63 -0.08 -2.75	8.83 -0.09 -2.95	9.34 -0.09 -3.58	8.78 -0.12 -3.80	10.56 -0.10 -5.55	12.19 -0.15 -6.47	12.50 -0.20 -7.05	18.16 -0.73 -4.31	19.85 -0.83 -2.99	16.28 -0.52 -2.34	15.09 -0.48 -1.44	10.36 0.08 -2.09
SENECA___ENERGY 23797	6.71 0.03 -1.74	6.50 0.05 -1.23	5.27 0.03 -1.24	5.30 0.02 -1.07	5.78 0.04 -1.22	6.63 0.05 -1.55	8.36 0.10 -2.15	9.91 0.10 -2.65	10.07 0.09 -1.90	10.18 0.09 -1.29	10.10 0.07 -1.44	7.91 0.02 -1.91	8.14 0.01 -2.16	8.31 0.02 -2.32	8.69 0.02 -2.82	8.12 0.01 -3.01	9.52 0.01 -4.40	11.00 0.01 -5.12	11.22 -0.01 -5.58	17.97 -0.01 -3.41	20.07 0.02 -2.36	16.42 0.10 -1.85	15.29 0.01 -1.14	9.93 0.09 -1.65
SHOEMAKER___GT 23640	16.54 0.28 -11.32	13.50 0.27 -8.01	12.28 0.21 -8.06	11.39 0.23 -6.94	12.68 0.24 -7.92	15.41 0.27 -10.11	20.47 0.33 -14.02	24.82 0.40 -17.25	20.89 0.46 -12.35	17.71 0.50 -8.40	18.44 0.49 -9.36	18.76 0.33 -12.45	20.50 0.34 -14.19	21.62 0.35 -15.30	24.97 0.34 -18.78	25.45 0.30 -20.04	35.27 0.32 -29.84	41.12 0.35 -34.89	44.03 0.33 -38.04	37.78 0.86 -22.34	34.19 1.06 -15.44	27.35 0.79 -12.10	22.42 0.83 -7.46	19.48 0.49 -10.80
SHOEMAKR_138KV_BK 111 55601	16.43 0.28 -11.22	13.43 0.27 -7.94	12.21 0.21 -7.99	11.32 0.23 -6.87	12.61 0.24 -7.85	15.32 0.27 -10.02	20.34 0.33 -13.90	24.66 0.39 -17.10	20.79 0.47 -12.24	17.64 0.51 -8.33	18.36 0.50 -9.27	18.65 0.34 -12.34	20.37 0.35 -14.06	21.49 0.35 -15.17	24.81 0.35 -18.61	25.27 0.35 -19.86	35.01 0.32 -29.59	40.82 0.36 -34.59	43.71 0.34 -37.72	37.59 0.86 -22.15	34.06 1.06 -15.31	27.27 0.81 -11.99	22.36 0.83 -7.40	19.40 0.50 -10.71
SHOREHAM_IC_1 23715	17.99 0.47 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.27 0.35 -7.71	13.68 0.35 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.09 0.75 -19.18	25.73 0.87 -16.77	21.69 1.01 -11.87	25.76 1.04 -16.13	25.78 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.43 0.67 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.03 0.63 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	44.90 2.18 -25.03	29.15 1.37 -13.31	26.86 1.55 -11.18	24.30 0.90 -15.21
SHOREHAM_IC_2 23716	17.99 0.47 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.27 0.35 -7.71	13.68 0.35 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.09 0.75 -19.18	25.73 0.87 -16.77	21.69 1.01 -11.87	25.76 1.04 -16.13	25.78 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.43 0.67 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.03 0.63 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	44.90 2.18 -25.03	29.15 1.37 -13.31	26.86 1.55 -11.18	24.30 0.90 -15.21
SISSONVILLE___ 23735	2.28 -0.34 2.32	2.08 -0.35 2.78	2.12 -0.27 1.61	1.76 -0.28 2.17	1.80 -0.31 2.42	2.05 -0.33 2.65	2.00 -0.40 3.71	2.70 -0.47 3.99	2.91 -0.54 4.63	3.01 -0.62 5.18	2.90 -0.61 5.08	2.20 -0.41 3.36	2.54 -0.41 3.02	2.21 -0.41 3.36	2.59 -0.40 2.86	4.77 -0.33 0.00	4.79 -0.32 0.00	5.54 -0.33 0.00	5.36 -0.29 0.00	13.88 -0.70 0.00	16.79 -0.90 0.00	13.67 -0.80 0.00	13.37 -0.76 0.00	7.64 -0.55 0.00

SITHE_IND_GS1 24169	5.85 -0.12 -1.03	5.83 -0.12 -0.73	4.64 -0.10 -0.74	4.75 -0.11 -0.63	5.14 -0.11 -0.72	5.83 -0.13 -0.92	7.26 -0.13 -1.28	8.57 -0.16 -1.58	9.02 -0.19 -1.13	9.36 -0.21 -0.77	9.23 -0.21 -0.85	6.95 -0.16 -1.14	7.09 -0.17 -1.29	7.19 -0.16 -1.38	7.37 -0.16 -1.68	6.75 -0.14 -1.79	7.59 -0.14 -2.62	8.75 -0.17 -3.05	8.80 -0.18 -3.32	16.15 -0.45 -2.03	18.57 -0.53 -1.41	15.17 -0.39 -1.10	14.40 -0.41 -0.68	8.98 -0.19 -0.98
SITHE_IND_GS2 24170	5.85 -0.12 -1.03	5.83 -0.12 -0.73	4.64 -0.10 -0.74	4.75 -0.11 -0.63	5.14 -0.11 -0.72	5.83 -0.13 -0.92	7.26 -0.13 -1.28	8.57 -0.16 -1.58	9.02 -0.19 -1.13	9.36 -0.21 -0.77	9.23 -0.21 -0.85	6.95 -0.16 -1.14	7.09 -0.17 -1.29	7.19 -0.16 -1.38	7.37 -0.16 -1.68	6.75 -0.14 -1.79	7.59 -0.14 -2.62	8.75 -0.17 -3.05	8.80 -0.18 -3.32	16.15 -0.45 -2.03	18.57 -0.53 -1.41	15.17 -0.39 -1.10	14.40 -0.41 -0.68	8.98 -0.19 -0.98
SITHE_IND_GS3 24171	5.85 -0.12 -1.03	5.83 -0.12 -0.73	4.64 -0.10 -0.74	4.75 -0.11 -0.63	5.14 -0.11 -0.72	5.83 -0.13 -0.92	7.26 -0.13 -1.28	8.57 -0.16 -1.58	9.02 -0.19 -1.13	9.36 -0.21 -0.77	9.23 -0.21 -0.85	6.95 -0.16 -1.14	7.09 -0.17 -1.29	7.19 -0.16 -1.38	7.37 -0.16 -1.68	6.75 -0.14 -1.79	7.59 -0.14 -2.62	8.75 -0.17 -3.05	8.80 -0.18 -3.32	16.15 -0.45 -2.03	18.57 -0.53 -1.41	15.17 -0.39 -1.10	14.40 -0.41 -0.68	8.98 -0.19 -0.98
SITHE_IND_GS4 24172	5.85 -0.12 -1.03	5.83 -0.12 -0.73	4.64 -0.10 -0.74	4.75 -0.11 -0.63	5.14 -0.11 -0.72	5.83 -0.13 -0.92	7.26 -0.13 -1.28	8.57 -0.16 -1.58	9.02 -0.19 -1.13	9.36 -0.21 -0.77	9.23 -0.21 -0.85	6.95 -0.16 -1.14	7.09 -0.17 -1.29	7.19 -0.16 -1.38	7.37 -0.16 -1.68	6.75 -0.14 -1.79	7.59 -0.14 -2.62	8.75 -0.17 -3.05	8.80 -0.18 -3.32	16.15 -0.45 -2.03	18.57 -0.53 -1.41	15.17 -0.39 -1.10	14.40 -0.41 -0.68	8.98 -0.19 -0.98
SITHE___BATAVIA 24024	6.78 0.18 -1.66	6.60 0.20 -1.17	5.31 0.13 -1.18	5.35 0.12 -1.02	5.85 0.17 -1.16	6.71 0.20 -1.48	8.40 0.23 -2.05	9.95 0.26 -2.53	10.13 0.23 -1.81	10.26 0.23 -1.23	10.24 0.28 -1.37	7.93 0.13 -1.82	8.15 0.12 -2.06	8.31 0.12 -2.21	8.65 0.11 -2.69	8.05 0.08 -2.87	9.40 0.10 -4.19	10.85 0.09 -4.88	11.02 0.05 -5.32	17.98 0.15 -3.25	20.12 0.18 -2.25	16.56 0.33 -1.77	15.43 0.21 -1.09	10.03 0.26 -1.58
SITHE___INDEPEND 23800	5.85 -0.12 -1.03	5.83 -0.12 -0.73	4.64 -0.10 -0.74	4.75 -0.11 -0.63	5.14 -0.11 -0.72	5.83 -0.13 -0.92	7.26 -0.13 -1.28	8.57 -0.16 -1.58	9.02 -0.19 -1.13	9.36 -0.21 -0.77	9.23 -0.21 -0.85	6.95 -0.16 -1.14	7.09 -0.17 -1.29	7.19 -0.16 -1.38	7.37 -0.16 -1.68	6.75 -0.14 -1.79	7.58 -0.14 -2.62	8.75 -0.17 -3.05	8.80 -0.17 -3.32	16.15 -0.45 -2.03	18.57 -0.53 -1.40	15.16 -0.40 -1.10	14.40 -0.41 -0.68	9.00 -0.17 -0.98
SITHE___MASSENA 23902	1.75 -0.17 3.01	1.67 -0.18 3.36	1.71 -0.14 2.16	1.29 -0.15 2.78	1.29 -0.16 3.07	1.42 -0.17 3.44	1.29 -0.21 4.60	1.86 -0.26 5.04	1.92 -0.30 5.86	1.96 -0.33 6.52	1.92 -0.32 6.35	1.70 -0.21 4.06	1.82 -0.21 3.93	1.70 -0.21 4.06	2.17 -0.21 3.46	4.93 -0.17 0.00	4.93 -0.17 0.00	5.69 -0.18 0.00	5.50 -0.15 0.00	14.20 -0.38 0.00	17.18 -0.51 0.00	14.00 -0.46 0.00	13.69 -0.44 0.00	7.88 -0.31 0.00
SITHE___OGDNSBRG 24021	2.13 -0.22 2.59	1.99 -0.22 3.01	2.00 -0.18 1.82	1.64 -0.17 2.41	1.66 -0.19 2.67	1.88 -0.20 2.96	1.82 -0.23 4.06	2.47 -0.29 4.40	2.62 -0.34 5.12	2.68 -0.40 5.71	2.60 -0.40 5.59	2.06 -0.27 3.64	2.32 -0.27 3.38	2.07 -0.27 3.64	2.48 -0.27 3.10	4.88 -0.22 0.00	4.89 -0.21 0.00	5.65 -0.22 0.00	5.48 -0.18 0.00	14.18 -0.39 0.00	17.16 -0.53 0.00	13.97 -0.49 0.00	13.64 -0.49 0.00	7.80 -0.38 0.00
SITHE___STERLING 23777	5.84 0.07 -0.83	5.90 0.09 -0.59	4.67 0.07 -0.59	4.80 0.08 -0.51	5.19 0.08 -0.58	5.87 0.10 -0.74	7.30 0.16 -1.03	8.59 0.16 -1.27	9.18 0.19 -0.91	9.58 0.16 -0.62	9.40 0.12 -0.69	6.95 0.06 -0.92	7.07 0.07 -1.04	7.15 0.06 -1.11	7.26 0.06 -1.35	6.61 0.06 -1.44	7.29 0.07 -2.11	8.42 0.09 -2.45	8.42 0.09 -2.67	16.53 0.32 -1.63	19.23 0.41 -1.13	15.72 0.38 -0.89	14.99 0.31 -0.55	9.17 0.19 -0.79
SLEIGHT__34_KV_TB1 80719	6.71 0.12 -1.65	6.54 0.15 -1.17	5.29 0.11 -1.17	5.33 0.10 -1.01	5.81 0.13 -1.15	6.64 0.14 -1.47	8.39 0.23 -2.04	9.95 0.27 -2.51	10.17 0.29 -1.80	10.33 0.31 -1.22	10.22 0.27 -1.36	7.94 0.15 -1.81	8.15 0.14 -2.05	8.32 0.14 -2.20	8.67 0.15 -2.67	8.07 0.12 -2.85	9.39 0.11 -4.17	10.86 0.12 -4.86	11.05 0.10 -5.29	18.09 0.28 -3.23	20.30 0.37 -2.24	16.55 0.33 -1.75	15.51 0.30 -1.08	10.03 0.28 -1.57
SOUTH CAIRO___GT 23612	19.45 0.27 -14.25	15.57 0.27 -10.08	14.36 0.21 -10.15	13.16 0.21 -8.73	14.74 0.24 -9.97	18.03 0.28 -12.73	24.13 0.37 -17.65	29.32 0.44 -21.72	24.05 0.42 -15.55	19.77 0.40 -10.57	20.75 0.39 -11.77	21.90 0.27 -15.66	23.90 0.26 -17.68	25.18 0.25 -18.95	29.08 0.27 -22.96	29.82 0.23 -24.49	40.95 0.24 -35.61	47.56 0.26 -41.42	51.06 0.27 -45.13	43.31 0.27 -27.88	38.08 1.06 -19.32	30.47 0.87 -15.14	24.23 0.76 -9.34	22.15 0.44 -13.52
SOUTH HAMPTN___IC 23720	18.07 0.55 -12.58	14.61 0.49 -8.90	13.33 0.37 -8.96	12.33 0.40 -7.71	13.74 0.41 -8.81	20.09 0.58 -14.48	26.17 0.72 -19.34	27.19 0.85 -19.18	25.81 0.96 -16.77	21.78 1.11 -11.87	25.88 1.16 -16.13	25.88 0.78 -19.12	26.20 0.81 -19.42	26.71 0.83 -19.91	27.52 0.76 -20.91	28.12 0.70 -22.32	38.64 0.59 -32.94	45.12 0.72 -38.52	48.35 0.69 -42.01	40.99 1.82 -24.59	45.34 2.44 -25.21	29.31 1.53 -13.31	27.03 1.72 -11.18	24.39 0.99 -15.21
SOUTHDOW__115KV_TB1 355954	7.42 0.12 -2.36	7.06 0.17 -1.67	5.80 0.11 -1.68	5.76 0.09 -1.45	6.29 0.11 -1.65	7.22 0.08 -2.11	9.19 0.15 -2.93	10.92 0.16 -3.60	10.86 0.20 -2.58	10.78 0.22 -1.75	10.73 0.19 -1.95	8.63 0.06 -2.60	8.93 0.02 -2.94	9.13 0.00 -3.16	9.65 -0.03 -3.84	9.11 -0.07 -4.08	11.01 -0.06 -5.96	12.74 -0.08 -6.94	13.12 -0.11 -7.57	18.84 -0.36 -4.63	20.70 -0.19 -3.20	16.96 -0.01 -2.51	15.72 0.04 -1.55	10.74 0.31 -2.24
SOUTHOLD_69_KV_BK 2 55809	18.15 0.63 -12.58	14.69 0.57 -8.90	13.40 0.43 -8.96	12.39 0.46 -7.71	13.81 0.48 -8.81	20.17 0.66 -14.48	26.27 0.83 -19.34	27.33 0.99 -19.18	25.93 1.08 -16.77	21.91 1.23 -11.87	26.06 1.34 -16.13	26.01 0.91 -19.12	26.33 0.94 -19.42	26.85 0.96 -19.91	27.65 0.89 -20.91	28.22 0.81 -22.32	38.72 0.68 -32.93	45.21 0.83 -38.50	48.45 0.80 -41.99	41.29 2.11 -24.60	45.70 2.80 -25.21	29.71 1.94 -13.31	27.26 1.95 -11.18	24.52 1.12 -15.21
SOUTHOLD___IC 23719	18.15 0.63 -12.58	14.69 0.57 -8.90	13.40 0.43 -8.96	12.39 0.46 -7.71	13.81 0.48 -8.81	20.17 0.66 -14.48	26.28 0.82 -19.34	27.34 1.00 -19.18	25.94 1.09 -16.77	21.91 1.23 -11.87	26.05 1.32 -16.13	26.01 0.91 -19.12	26.33 0.94 -19.42	26.85 0.96 -19.91	27.65 0.89 -20.91	28.23 0.81 -22.32	38.74 0.69 -32.94	45.23 0.83 -38.52	48.46 0.80 -42.01	41.28 2.11 -24.59	45.70 2.79 -25.21	29.55 1.78 -13.31	27.26 1.95 -11.18	24.51 1.11 -15.21

SPIERFLS_115KV_TB 1 80737	20.72 0.08 -15.69	16.38 0.06 -11.10	15.23 0.04 -11.18	13.87 0.04 -9.62	15.56 0.05 -10.98	19.13 0.08 -14.02	25.72 0.13 -19.47	31.30 0.17 -23.96	25.38 0.15 -17.15	20.65 0.18 -11.67	21.77 0.19 -12.99	23.42 0.16 -17.29	25.57 0.16 -19.44	26.94 0.16 -20.81	31.08 0.15 -25.09	31.97 0.13 -26.74	43.83 0.14 -38.59	50.84 0.16 -44.80	54.54 0.15 -48.74	45.72 0.45 -30.69	39.52 0.53 -21.30	31.54 0.39 -16.69	24.68 0.25 -10.29	23.22 0.13 -14.90
ST LAWRENCE____ 23600	1.50 -0.17 3.27	1.50 -0.19 3.53	1.50 -0.14 2.36	1.08 -0.15 2.99	1.07 -0.16 3.30	1.13 -0.18 3.72	1.00 -0.23 4.89	1.50 -0.26 5.40	1.50 -0.30 6.28	1.50 -0.33 6.97	1.50 -0.32 6.77	1.50 -0.21 4.26	1.50 -0.20 4.26	1.50 -0.21 4.26	2.00 -0.21 3.64	4.92 -0.18 0.00	4.93 -0.18 0.00	5.68 -0.19 0.00	5.48 -0.17 0.00	14.14 -0.44 0.00	17.15 -0.55 0.00	13.97 -0.49 0.00	13.67 -0.47 0.00	7.88 -0.31 0.00
STATE_CA_115KV_115_LB 55624	20.38 0.22 -15.22	16.23 0.24 -10.77	15.03 0.19 -10.84	13.74 0.19 -9.33	15.39 0.21 -10.66	18.86 0.23 -13.60	25.26 0.29 -18.86	30.72 0.33 -23.22	25.08 0.37 -16.63	20.54 0.43 -11.31	21.59 0.41 -12.59	23.01 0.29 -16.75	25.09 0.29 -18.84	26.41 0.28 -20.16	30.42 0.27 -24.30	31.24 0.24 -25.90	42.70 0.24 -37.35	49.51 0.28 -43.36	53.14 0.26 -47.23	45.03 0.67 -29.78	39.17 0.81 -20.66	31.33 0.68 -16.19	24.77 0.65 -9.98	23.02 0.38 -14.46
STATE_ST_34_KV_LOAD 55959	6.76 0.09 -1.73	6.51 0.07 -1.22	5.29 0.05 -1.23	5.31 0.04 -1.06	5.79 0.05 -1.21	6.63 0.06 -1.54	8.37 0.12 -2.14	9.99 0.20 -2.63	10.11 0.15 -1.88	10.23 0.15 -1.28	10.20 0.18 -1.43	7.98 0.11 -1.90	8.21 0.10 -2.15	8.38 0.10 -2.31	8.75 0.10 -2.80	8.17 0.08 -2.99	9.56 0.08 -4.37	11.05 0.09 -5.09	11.27 0.07 -5.54	18.18 0.22 -3.39	20.34 0.30 -2.35	16.57 0.27 -1.84	15.39 0.13 -1.13	9.98 0.16 -1.64
STATION 5_MISC_HYD 23604	6.63 0.04 -1.65	6.46 0.07 -1.17	5.22 0.04 -1.18	5.25 0.02 -1.01	5.73 0.05 -1.16	6.55 0.05 -1.48	8.21 0.05 -2.05	9.73 0.05 -2.52	9.90 0.02 -1.80	10.04 0.01 -1.22	10.02 0.06 -1.36	7.79 0.00 -1.81	8.01 -0.01 -2.05	8.17 -0.01 -2.20	8.51 -0.01 -2.68	7.93 -0.03 -2.86	9.28 -0.01 -4.18	10.70 -0.04 -4.87	10.87 -0.08 -5.30	17.53 -0.29 -3.24	19.58 -0.35 -2.24	16.08 -0.14 -1.76	15.00 -0.21 -1.08	9.81 0.05 -1.57
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	6.65 0.05 -1.65	6.46 0.07 -1.17	5.23 0.04 -1.18	5.27 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.26 0.10 -2.05	9.78 0.10 -2.52	9.98 0.10 -1.81	10.12 0.09 -1.23	10.05 0.09 -1.37	7.82 0.03 -1.82	8.04 0.02 -2.06	8.20 0.02 -2.21	8.55 0.02 -2.68	7.97 0.01 -2.86	9.31 0.02 -4.19	10.76 0.01 -4.88	10.94 -0.03 -5.31	17.75 -0.07 -3.25	19.85 -0.09 -2.25	16.22 0.00 -1.76	15.19 -0.03 -1.09	9.90 0.14 -1.57
STA_56_34_KV_BUS2_REV_LBMP_B 345033	6.60 0.02 -1.64	6.41 0.03 -1.16	5.18 0.01 -1.17	5.22 0.00 -1.00	5.69 0.01 -1.15	6.50 0.01 -1.46	8.16 0.02 -2.03	9.67 0.01 -2.50	9.85 -0.02 -1.79	9.99 -0.03 -1.22	9.96 0.02 -1.35	7.75 -0.03 -1.80	7.96 -0.04 -2.04	8.12 -0.04 -2.19	8.46 -0.04 -2.66	7.89 -0.05 -2.84	9.21 -0.04 -4.15	10.64 -0.06 -4.83	10.81 -0.11 -5.26	17.46 -0.34 -3.22	19.50 -0.42 -2.23	15.98 -0.23 -1.75	14.94 -0.27 -1.08	9.80 0.05 -1.56
STA_56____34_KV_BUS2 355983	6.60 0.02 -1.64	6.41 0.03 -1.16	5.18 0.01 -1.17	5.22 0.00 -1.00	5.69 0.01 -1.15	6.50 0.01 -1.46	8.16 0.02 -2.03	9.67 0.01 -2.50	9.85 -0.02 -1.79	9.99 -0.03 -1.22	9.96 0.02 -1.35	7.75 -0.03 -1.80	7.96 -0.04 -2.04	8.12 -0.04 -2.19	8.46 -0.04 -2.66	7.89 -0.05 -2.84	9.21 -0.04 -4.15	10.64 -0.06 -4.83	10.81 -0.11 -5.26	17.46 -0.34 -3.22	19.50 -0.42 -2.23	15.98 -0.23 -1.75	14.94 -0.27 -1.08	9.80 0.05 -1.56
STA_67____115KV_BK2 355882	6.63 0.04 -1.65	6.45 0.06 -1.17	5.21 0.03 -1.18	5.25 0.02 -1.01	5.72 0.04 -1.16	6.54 0.04 -1.47	8.20 0.04 -2.04	9.71 0.04 -2.51	9.89 0.01 -1.80	10.02 -0.01 -1.22	10.00 0.04 -1.36	7.78 -0.01 -1.81	8.00 -0.02 -2.05	8.15 -0.02 -2.20	8.50 -0.02 -2.68	7.92 -0.04 -2.86	9.26 -0.03 -4.18	10.69 -0.05 -4.86	10.86 -0.10 -5.30	17.50 -0.32 -3.24	19.55 -0.39 -2.24	16.02 -0.20 -1.76	14.97 -0.24 -1.08	9.84 0.08 -1.57
STA_7____115KV_9TRANS 80674	6.66 0.07 -1.65	6.48 0.09 -1.17	5.23 0.05 -1.18	5.26 0.03 -1.01	5.74 0.06 -1.16	6.57 0.07 -1.48	8.24 0.08 -2.04	9.76 0.09 -2.52	9.94 0.06 -1.80	10.07 0.04 -1.23	10.06 0.10 -1.36	7.82 0.03 -1.81	8.04 0.02 -2.05	8.20 0.02 -2.20	8.54 0.02 -2.68	7.96 0.00 -2.86	9.30 0.01 -4.18	10.73 -0.01 -4.87	10.90 -0.06 -5.30	17.61 -0.20 -3.24	19.69 -0.25 -2.24	16.15 -0.07 -1.76	15.07 -0.14 -1.08	9.89 0.13 -1.57
STA_82____115KV_TB1 80780	6.64 0.05 -1.66	6.45 0.06 -1.17	5.22 0.03 -1.18	5.25 0.02 -1.02	5.73 0.04 -1.16	6.54 0.04 -1.48	8.21 0.04 -2.05	9.73 0.04 -2.52	9.90 0.01 -1.81	10.03 0.00 -1.23	10.01 0.05 -1.37	7.79 -0.01 -1.82	8.01 -0.02 -2.06	8.16 -0.02 -2.21	8.51 -0.02 -2.69	7.93 -0.04 -2.87	9.27 -0.03 -4.19	10.71 -0.05 -4.88	10.88 -0.10 -5.32	17.52 -0.31 -3.25	19.56 -0.39 -2.25	16.04 -0.19 -1.76	14.99 -0.23 -1.09	9.85 0.09 -1.57
STEEL____WIND 323596	7.13 -0.01 -2.20	6.83 0.05 -1.55	5.61 0.04 -1.57	5.58 0.01 -1.35	6.09 0.03 -1.54	6.98 -0.01 -1.96	8.83 -0.01 -2.72	10.46 -0.05 -3.35	10.40 -0.08 -2.40	10.36 -0.08 -1.64	10.36 -0.05 -1.82	8.33 -0.07 -2.43	8.62 -0.09 -2.75	8.83 -0.10 -2.95	9.33 -0.10 -3.58	8.80 -0.12 -3.82	10.56 -0.10 -5.55	12.19 -0.16 -6.47	12.49 -0.21 -7.05	18.14 -0.74 -4.31	19.83 -0.85 -2.99	16.32 -0.48 -2.34	15.08 -0.50 -1.44	10.28 0.00 -2.09
STEPHTWN_115KV_BK_2 55603	20.26 0.25 -15.07	16.14 0.26 -10.66	14.94 0.20 -10.73	13.66 0.21 -9.24	15.30 0.23 -10.55	18.75 0.26 -13.47	25.10 0.32 -18.67	30.51 0.37 -22.98	24.94 0.41 -16.45	20.47 0.48 -11.19	21.51 0.46 -12.46	22.87 0.32 -16.58	24.93 0.32 -18.64	26.23 0.31 -19.95	30.21 0.31 -24.05	31.01 0.27 -25.64	42.36 0.28 -36.98	49.12 0.32 -42.93	52.73 0.30 -46.78	44.83 0.77 -29.48	39.09 0.94 -20.46	31.26 0.77 -16.03	24.75 0.73 -9.88	22.93 0.43 -14.31
STEBEN_REC_LFGE 323667	7.83 0.22 -2.67	7.38 0.28 -1.89	6.11 0.20 -1.90	6.05 0.19 -1.63	6.62 0.23 -1.87	7.65 0.24 -2.38	9.80 0.38 -3.31	11.62 0.39 -4.07	11.39 0.40 -2.91	11.18 0.40 -1.98	11.14 0.34 -2.21	9.12 0.21 -2.93	9.45 0.17 -3.32	9.71 0.17 -3.56	10.34 0.16 -4.33	9.84 0.12 -4.62	11.98 0.13 -6.75	13.89 0.16 -7.86	14.37 0.15 -8.56	20.29 0.48 -5.23	22.04 0.73 -3.62	17.91 0.61 -2.84	16.45 0.57 -1.75	11.24 0.52 -2.54
STONY____BROOK 24151	18.05 0.53 -12.58	14.58 0.46 -8.90	13.31 0.35 -8.96	12.31 0.38 -7.71	13.72 0.38 -8.81	20.02 0.52 -14.48	26.09 0.64 -19.34	27.07 0.73 -19.18	25.73 0.87 -16.77	21.68 1.00 -11.87	25.74 1.02 -16.13	25.80 0.70 -19.12	26.11 0.72 -19.42	26.61 0.73 -19.91	27.40 0.64 -20.91	28.00 0.59 -22.32	38.53 0.48 -32.94	45.00 0.60 -38.52	48.24 0.58 -42.01	40.73 1.56 -24.59	43.29 2.07 -23.52	29.10 1.33 -13.31	26.84 1.53 -11.18	24.29 0.89 -15.21

STURGEON_POOL_HYD 23609	17.71 0.33 -12.44	14.36 0.33 -8.80	13.13 0.26 -8.86	12.14 0.30 -7.63	13.52 0.29 -8.71	16.48 0.33 -11.12	21.93 0.40 -15.42	26.60 0.47 -18.97	22.27 0.61 -13.58	18.71 0.67 -9.23	19.49 0.62 -10.28	20.08 0.42 -13.68	21.95 0.44 -15.55	23.16 0.45 -16.74	26.74 0.44 -20.46	27.32 0.39 -21.83	37.69 0.39 -32.20	43.89 0.43 -37.58	47.04 0.41 -40.98	40.08 1.05 -24.45	35.93 1.33 -16.91	28.67 0.95 -13.25	23.36 1.06 -8.17	20.65 0.63 -11.83
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	16.91 0.32 -11.65	13.79 0.32 -8.25	12.56 0.25 -8.30	11.64 0.28 -7.14	12.96 0.28 -8.16	15.76 0.32 -10.42	20.95 0.39 -14.44	25.39 0.46 -17.77	21.37 0.57 -12.72	18.07 0.62 -8.65	18.81 0.58 -9.63	19.20 0.41 -12.82	20.99 0.41 -14.61	22.16 0.42 -15.77	25.61 0.42 -19.35	26.12 0.37 -20.65	36.19 0.36 -30.72	42.20 0.41 -35.91	45.21 0.39 -39.17	38.54 0.98 -22.98	34.77 1.20 -15.88	27.80 0.90 -12.44	22.75 0.95 -7.67	19.86 0.56 -11.11
SWANROAD_115KV_TB1 355699	6.91 -0.06 -2.03	6.64 -0.02 -1.44	5.43 -0.02 -1.45	5.42 -0.05 -1.24	5.91 -0.04 -1.42	6.76 -0.08 -1.81	8.48 -0.14 -2.51	10.00 -0.24 -3.08	10.01 -0.28 -2.21	10.00 -0.31 -1.50	10.01 -0.26 -1.67	7.98 -0.22 -2.22	8.26 -0.23 -2.52	8.44 -0.24 -2.70	8.88 -0.25 -3.28	8.36 -0.25 -3.51	10.00 -0.23 -5.13	11.54 -0.31 -5.97	11.80 -0.36 -6.51	17.36 -1.20 -3.98	19.00 -1.45 -2.76	15.63 -1.00 -2.16	14.56 -0.90 -1.33	9.99 -0.13 -1.93
SYNERGY___BIOGAS 323694	6.78 0.18 -1.66	6.60 0.20 -1.17	5.31 0.13 -1.18	5.35 0.12 -1.02	5.85 0.17 -1.16	6.71 0.20 -1.48	8.40 0.23 -2.05	9.95 0.26 -2.53	10.13 0.23 -1.81	10.26 0.23 -1.23	10.24 0.28 -1.37	7.93 0.13 -1.82	8.15 0.12 -2.06	8.31 0.12 -2.21	8.65 0.11 -2.69	8.05 0.08 -2.87	9.40 0.10 -4.19	10.85 0.09 -4.88	11.02 0.05 -5.32	17.98 0.15 -3.25	20.12 0.18 -2.25	16.56 0.33 -1.77	15.43 0.21 -1.09	10.03 0.26 -1.58
SYRACUSE___ENERGY_ST1 323597	6.38 0.00 -1.44	6.25 0.02 -1.02	5.04 0.01 -1.03	5.10 0.00 -0.88	5.55 0.01 -1.01	6.32 0.01 -1.29	7.93 0.03 -1.79	9.39 0.04 -2.20	9.69 0.03 -1.57	9.90 0.03 -1.07	9.80 0.02 -1.19	7.55 -0.01 -1.58	7.75 -0.01 -1.79	7.89 -0.01 -1.92	8.18 -0.01 -2.34	7.59 -0.01 -2.49	8.74 -0.01 -3.65	10.10 -0.02 -4.25	10.25 -0.03 -4.63	17.35 -0.06 -2.83	19.60 -0.05 -1.96	16.01 0.01 -1.53	15.05 -0.03 -0.95	9.59 0.03 -1.37
SYRACUSE___ENERGY_ST2 323598	6.38 0.00 -1.44	6.25 0.02 -1.02	5.04 0.01 -1.03	5.10 0.00 -0.88	5.55 0.01 -1.01	6.32 0.01 -1.29	7.93 0.03 -1.79	9.39 0.04 -2.20	9.69 0.03 -1.57	9.90 0.03 -1.07	9.80 0.02 -1.19	7.55 -0.01 -1.58	7.75 -0.01 -1.79	7.89 -0.01 -1.92	8.18 -0.01 -2.34	7.59 -0.01 -2.49	8.74 -0.01 -3.65	10.10 -0.02 -4.25	10.25 -0.03 -4.63	17.35 -0.06 -2.83	19.60 -0.05 -1.96	16.01 0.01 -1.53	15.05 -0.03 -0.95	9.59 0.03 -1.37
SYRACUSE___POWER 24017	6.42 0.00 -1.48	6.28 0.01 -1.05	5.07 0.01 -1.06	5.13 0.00 -0.91	5.57 0.01 -1.04	6.35 0.00 -1.32	7.98 0.03 -1.84	9.46 0.04 -2.26	9.73 0.03 -1.62	9.93 0.03 -1.10	9.83 0.02 -1.22	7.60 -0.01 -1.63	7.80 -0.01 -1.84	7.95 -0.01 -1.98	8.24 -0.01 -2.40	7.66 -0.01 -2.56	8.85 -0.01 -3.75	10.23 -0.01 -4.36	10.39 -0.02 -4.76	17.43 -0.06 -2.91	19.65 -0.05 -2.01	16.01 -0.03 -1.58	15.06 -0.04 -0.97	9.64 0.04 -1.41
TALLMAN__138KV_BK151 55660	17.43 0.35 -12.14	14.17 0.35 -8.60	12.93 0.27 -8.66	11.97 0.30 -7.45	13.33 0.30 -8.51	16.23 0.34 -10.86	21.59 0.42 -15.06	26.18 0.49 -18.53	21.97 0.62 -13.26	18.53 0.70 -9.02	19.31 0.68 -10.04	19.80 0.47 -13.36	21.68 0.48 -15.24	22.90 0.49 -16.44	26.51 0.48 -20.19	27.06 0.42 -21.54	37.22 0.41 -31.70	43.41 0.47 -37.07	46.52 0.44 -40.42	39.37 1.09 -23.70	35.41 1.34 -16.37	28.27 0.98 -12.83	23.07 1.03 -7.91	20.26 0.61 -11.45
TEALLAVE_115KV_TB7 355573	6.20 -0.01 -1.27	6.12 -0.01 -0.90	4.90 -0.01 -0.91	4.99 -0.01 -0.78	5.41 -0.01 -0.89	6.15 -0.02 -1.14	7.70 0.01 -1.58	9.11 0.01 -1.94	9.48 0.01 -1.39	9.75 0.00 -0.95	9.63 -0.02 -1.05	7.35 -0.02 -1.40	7.52 -0.03 -1.58	7.65 -0.03 -1.70	7.89 -0.02 -2.07	7.28 -0.03 -2.20	8.30 -0.03 -3.22	9.59 -0.04 -3.75	9.69 -0.05 -4.09	16.96 -0.12 -2.50	19.30 -0.12 -1.73	15.73 -0.09 -1.36	14.87 -0.10 -0.84	9.42 0.02 -1.21
TELGRAPH_34_KV_EAST 80808	6.92 0.01 -1.97	6.67 0.06 -1.39	5.44 0.03 -1.40	5.44 0.01 -1.21	5.93 0.03 -1.38	6.79 0.00 -1.76	8.52 -0.02 -2.42	10.05 -0.09 -2.98	10.10 -0.11 -2.13	10.12 -0.13 -1.45	10.12 -0.09 -1.62	8.02 -0.10 -2.15	8.29 -0.11 -2.43	8.46 -0.13 -2.61	8.89 -0.13 -3.18	8.35 -0.15 -3.40	9.94 -0.13 -4.97	11.47 -0.19 -5.78	11.71 -0.25 -6.31	17.59 -0.85 -3.86	19.34 -1.03 -2.67	15.91 -0.65 -2.10	14.83 -0.59 -1.29	10.08 0.02 -1.87
TEMPLE___115KV_TB 2 55572	6.22 -0.01 -1.29	6.13 0.00 -0.91	4.92 0.00 -0.92	5.00 -0.01 -0.79	5.42 0.00 -0.90	6.17 -0.01 -1.15	7.73 0.02 -1.60	9.14 0.01 -1.97	9.50 0.01 -1.41	9.77 0.01 -0.96	9.66 0.00 -1.07	7.37 -0.02 -1.42	7.55 -0.02 -1.60	7.67 -0.02 -1.72	7.92 -0.02 -2.09	7.31 -0.02 -2.23	8.35 -0.02 -3.26	9.64 -0.04 -3.80	9.75 -0.05 -4.14	16.99 -0.12 -2.53	19.32 -0.12 -1.75	15.76 -0.07 -1.37	14.89 -0.08 -0.85	9.44 0.02 -1.23
TIANA____69_KV_BK 1 55817	18.04 0.52 -12.58	14.58 0.46 -8.90	13.32 0.36 -8.96	12.31 0.38 -7.71	13.72 0.39 -8.81	20.07 0.56 -14.48	26.15 0.70 -19.34	27.16 0.82 -19.18	25.79 0.94 -16.77	21.75 1.07 -11.87	25.87 1.15 -16.13	25.86 0.76 -19.12	26.19 0.79 -19.42	26.70 0.81 -19.91	27.50 0.74 -20.91	28.10 0.68 -22.32	38.60 0.57 -32.93	45.07 0.69 -38.50	48.31 0.67 -41.99	40.94 1.76 -24.60	45.28 2.37 -25.21	29.40 1.62 -13.31	26.98 1.67 -11.18	24.37 0.97 -15.21
TILDEN___115KV_TB1 80814	6.42 0.00 -1.48	6.28 0.01 -1.05	5.07 0.01 -1.06	5.13 0.00 -0.91	5.57 0.01 -1.04	6.35 0.00 -1.32	7.98 0.03 -1.84	9.46 0.04 -2.26	9.73 0.03 -1.62	9.93 0.03 -1.10	9.83 0.02 -1.22	7.60 -0.01 -1.63	7.80 -0.01 -1.84	7.95 -0.01 -1.98	8.24 -0.01 -2.40	7.66 -0.01 -2.56	8.85 -0.01 -3.75	10.23 -0.01 -4.36	10.39 -0.02 -4.76	17.43 -0.06 -2.91	19.65 -0.05 -2.01	16.01 -0.03 -1.58	15.06 -0.04 -0.97	9.64 0.04 -1.41
TRIGEN___CC 323695	17.97 0.45 -12.58	14.54 0.42 -8.90	13.28 0.32 -8.96	12.28 0.35 -7.71	13.68 0.35 -8.81	19.95 0.44 -14.48	25.98 0.53 -19.34	26.94 0.60 -19.18	25.60 0.75 -16.77	21.55 0.88 -11.87	25.58 0.86 -16.13	25.68 0.59 -19.12	25.98 0.59 -19.42	26.48 0.60 -19.91	27.29 0.54 -20.91	27.90 0.49 -22.31	38.45 0.41 -32.93	44.88 0.50 -38.50	48.13 0.48 -41.99	40.44 1.27 -24.59	36.31 1.63 -16.99	28.96 1.19 -13.31	26.58 1.27 -11.18	24.16 0.76 -15.21
TRINITY__115KV__ 4 BK 55933	20.24 0.21 -15.09	16.12 0.22 -10.68	14.93 0.18 -10.75	13.64 0.18 -9.25	15.29 0.20 -10.56	18.73 0.22 -13.49	25.07 0.26 -18.69	30.48 0.30 -23.02	24.90 0.34 -16.48	20.41 0.40 -11.21	21.45 0.38 -12.48	22.83 0.26 -16.60	24.90 0.26 -18.67	26.21 0.25 -19.98	30.17 0.25 -24.08	30.99 0.21 -25.67	42.34 0.21 -37.02	49.09 0.25 -42.97	52.71 0.24 -46.82	44.72 0.61 -29.53	38.93 0.74 -20.49	31.14 0.62 -16.05	24.62 0.59 -9.90	22.87 0.34 -14.33

UNION___PROCESSING_DRP 323587	6.65 0.05 -1.66	6.46 0.06 -1.17	5.22 0.03 -1.18	5.25 0.02 -1.02	5.73 0.04 -1.16	6.55 0.04 -1.48	8.21 0.05 -2.05	9.73 0.04 -2.53	9.90 0.01 -1.81	10.03 0.00 -1.23	10.01 0.05 -1.37	7.79 -0.01 -1.82	8.01 -0.02 -2.06	8.17 -0.02 -2.21	8.52 -0.02 -2.69	7.94 -0.03 -2.87	9.28 -0.02 -4.19	10.71 -0.05 -4.88	10.88 -0.09 -5.32	17.52 -0.31 -3.25	19.58 -0.37 -2.25	16.05 -0.17 -1.77	14.99 -0.23 -1.09	9.85 0.09 -1.58
UPPER HUDSON___HYD 24058	20.72 0.09 -15.69	16.38 0.06 -11.10	15.23 0.04 -11.18	13.87 0.04 -9.62	15.56 0.05 -10.98	19.13 0.08 -14.02	25.69 0.13 -19.45	31.26 0.17 -23.93	25.36 0.15 -17.13	20.65 0.18 -11.67	21.77 0.19 -12.99	23.42 0.16 -17.29	25.58 0.16 -19.45	26.95 0.16 -20.81	31.09 0.15 -25.10	31.98 0.13 -26.75	43.86 0.14 -38.61	50.87 0.16 -44.83	54.65 0.15 -48.84	45.77 0.45 -30.74	39.55 0.53 -21.33	31.50 0.33 -16.71	24.69 0.25 -10.30	23.23 0.12 -14.92
UPPER RAQUET___HYD 24056	2.28 -0.34 2.32	2.08 -0.36 2.78	2.12 -0.27 1.61	1.76 -0.28 2.17	1.80 -0.31 2.42	2.05 -0.33 2.65	2.00 -0.40 3.71	2.70 -0.47 3.99	2.92 -0.54 4.62	3.02 -0.62 5.16	2.91 -0.61 5.07	2.20 -0.41 3.36	2.54 -0.41 3.02	2.20 -0.41 3.36	2.59 -0.40 2.86	4.77 -0.33 0.00	4.79 -0.32 0.00	5.54 -0.33 0.00	5.36 -0.29 0.00	13.88 -0.70 0.00	16.79 -0.90 0.00	13.67 -0.80 0.00	13.37 -0.76 0.00	7.66 -0.52 0.00
VALLEY44_115KV_TB2 355964	7.33 -0.02 -2.42	6.95 0.02 -1.71	5.73 0.00 -1.72	5.68 -0.02 -1.48	6.21 -0.01 -1.69	7.15 -0.04 -2.16	9.10 -0.02 -3.00	10.81 -0.05 -3.70	10.66 -0.07 -2.65	10.52 -0.09 -1.80	10.51 -0.09 -2.00	8.56 -0.08 -2.67	8.88 -0.11 -3.02	9.11 -0.11 -3.24	9.67 -0.11 -3.94	9.16 -0.13 -4.18	11.11 -0.12 -6.12	12.84 -0.16 -7.12	13.23 -0.19 -7.77	18.70 -0.63 -4.75	20.33 -0.65 -3.29	16.62 -0.42 -2.58	15.31 -0.41 -1.59	10.55 0.06 -2.30
VALLEY___115KV_TB 1-4 80826	4.99 -0.08 -0.14	5.28 -0.08 -0.15	4.03 -0.07 -0.10	4.27 -0.07 -0.12	4.60 -0.07 -0.14	5.12 -0.07 -0.15	6.25 -0.06 -0.20	7.29 -0.09 -0.22	8.29 -0.06 -0.26	9.00 -0.09 -0.29	8.74 -0.13 -0.28	6.04 -0.11 -0.18	6.03 -0.11 -0.18	6.02 -0.13 -0.18	5.86 -0.13 -0.15	4.98 -0.12 0.00	4.98 -0.12 0.00	5.74 -0.14 0.00	5.53 -0.12 0.00	14.32 -0.26 0.00	17.43 -0.27 0.00	14.32 -0.14 0.00	14.05 -0.08 0.00	8.14 -0.05 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	10.08 0.22 -4.92	8.91 0.20 -3.48	7.66 0.15 -3.51	7.40 0.17 -3.02	8.14 0.17 -3.44	9.63 0.21 -4.40	12.50 0.28 -6.10	15.03 0.36 -7.51	13.83 0.37 -5.37	12.83 0.37 -3.66	13.05 0.39 -4.07	11.63 0.24 -5.42	12.34 0.25 -6.13	12.80 0.24 -6.58	14.08 0.25 -7.99	13.84 0.22 -8.52	17.78 0.22 -12.46	20.63 0.25 -14.51	21.69 0.24 -15.80	24.89 0.66 -9.66	25.20 0.81 -6.69	20.37 0.67 -5.24	17.94 0.58 -3.23	13.24 0.37 -4.68
VISCHER___FERRY HYD 24020	20.46 0.19 -15.33	16.27 0.20 -10.85	15.08 0.16 -10.92	13.77 0.15 -9.40	15.43 0.18 -10.73	18.92 0.19 -13.70	25.35 0.24 -19.00	30.82 0.28 -23.38	25.12 0.31 -16.73	20.54 0.34 -11.39	21.60 0.33 -12.68	23.07 0.23 -16.87	25.13 0.22 -18.94	26.44 0.21 -20.25	30.40 0.21 -24.35	31.23 0.18 -25.95	42.58 0.19 -37.29	49.34 0.22 -43.24	52.97 0.21 -47.10	45.12 0.55 -29.98	39.18 0.67 -20.82	31.34 0.56 -16.31	24.73 0.54 -10.06	23.05 0.29 -14.56
V_A_10_SYNC_DSASP 323832	6.78 0.00 -1.85	6.57 0.04 -1.31	5.34 0.02 -1.31	5.36 0.01 -1.13	5.84 0.02 -1.29	6.67 -0.01 -1.65	8.39 -0.01 -2.29	9.91 -0.06 -2.81	10.00 -0.10 -2.01	10.08 -0.10 -1.37	10.06 -0.06 -1.53	7.93 -0.07 -2.03	8.17 -0.09 -2.30	8.34 -0.10 -2.46	8.75 -0.09 -2.99	8.19 -0.10 -3.19	9.69 -0.09 -4.67	11.18 -0.13 -5.44	11.38 -0.20 -5.93	17.50 -0.70 -3.62	19.33 -0.87 -2.51	15.94 -0.49 -1.96	14.82 -0.52 -1.21	9.91 -0.03 -1.75
V_CMM_10_SYNC_DSASP 323787	1.51 -0.16 3.27	1.52 -0.17 3.53	1.51 -0.13 2.36	1.09 -0.14 2.99	1.08 -0.14 3.30	1.15 -0.16 3.72	1.02 -0.20 4.89	1.53 -0.24 5.40	1.52 -0.27 6.28	1.54 -0.30 6.97	1.53 -0.29 6.77	1.52 -0.19 4.26	1.52 -0.19 4.26	1.52 -0.19 4.26	2.02 -0.19 3.64	4.94 -0.16 0.00	4.94 -0.16 0.00	5.71 -0.17 0.00	5.50 -0.15 0.00	14.20 -0.38 0.00	17.20 -0.50 0.00	14.01 -0.45 0.00	13.71 -0.42 0.00	7.90 -0.29 0.00
V_CMP_10_SYNC_DSASP 323788	0.01 -0.32 4.61	1.37 -0.37 3.48	0.01 -0.29 3.71	-0.02 -0.30 3.94	-0.03 -0.32 4.23	-0.49 -0.35 5.18	0.15 -0.42 5.54	-0.04 -0.45 6.75	-0.45 -0.56 7.97	-0.44 -0.62 8.63	-0.06 -0.55 8.10	1.40 -0.38 4.20	-0.48 -0.38 6.06	1.42 -0.36 4.20	2.00 -0.26 3.58	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.66 0.01 0.00	14.65 0.07 0.00	17.68 -0.02 0.00	14.27 -0.19 0.00	13.93 -0.20 0.00	7.98 -0.20 0.00
V_E_10_SYNC_DSASP 323830	8.91 0.26 -3.71	8.14 0.29 -2.63	6.85 0.20 -2.64	6.73 0.24 -2.27	7.37 0.25 -2.60	8.65 0.31 -3.32	11.18 0.47 -4.60	13.33 0.51 -5.66	12.62 0.49 -4.05	11.96 0.40 -2.76	12.00 0.34 -3.07	10.24 0.19 -4.08	10.78 0.19 -4.62	11.12 0.19 -4.96	12.06 0.19 -6.02	11.72 0.19 -6.42	14.71 0.21 -9.39	17.07 0.26 -10.94	17.86 0.29 -11.92	22.85 0.99 -7.28	24.01 1.27 -5.04	19.44 1.03 -3.95	17.47 0.91 -2.44	12.26 0.54 -3.53
V_F_30_NSYNC___DSASP 323816	20.79 0.21 -15.64	16.49 0.20 -11.07	15.30 0.16 -11.14	13.96 0.16 -9.59	15.66 0.18 -10.95	19.21 0.21 -13.98	25.77 0.28 -19.38	31.34 0.33 -23.85	25.49 0.34 -17.07	20.81 0.38 -11.63	21.92 0.38 -12.95	23.48 0.27 -17.23	25.62 0.27 -19.38	26.97 0.27 -20.73	31.10 0.26 -24.99	31.97 0.23 -26.64	43.76 0.24 -38.42	50.75 0.28 -44.60	54.50 0.26 -48.59	45.91 0.70 -30.63	39.78 0.83 -21.25	31.77 0.65 -16.65	24.99 0.59 -10.27	23.39 0.33 -14.87
V_F_30_SYNC_DSASP 323786	20.38 0.23 -15.21	16.22 0.24 -10.76	15.03 0.19 -10.83	13.73 0.19 -9.32	15.39 0.21 -10.65	18.85 0.23 -13.59	25.25 0.29 -18.85	30.68 0.33 -23.19	25.06 0.37 -16.60	20.53 0.43 -11.30	21.59 0.41 -12.58	23.00 0.29 -16.74	25.09 0.29 -18.83	26.41 0.28 -20.15	30.42 0.27 -24.30	31.25 0.24 -25.90	42.73 0.24 -37.38	49.55 0.28 -43.40	53.19 0.26 -47.28	45.01 0.67 -29.76	39.16 0.81 -20.65	31.32 0.68 -16.18	24.76 0.65 -9.98	23.01 0.38 -14.45
V_XM_10_SYNC_DSASP 323789	0.01 -0.32 4.61	1.37 -0.37 3.48	0.01 -0.29 3.71	-0.02 -0.30 3.94	-0.03 -0.32 4.23	-0.49 -0.35 5.18	0.15 -0.42 5.54	-0.04 -0.45 6.75	-0.45 -0.56 7.97	-0.44 -0.62 8.63	-0.06 -0.55 8.10	1.40 -0.38 4.20	-0.48 -0.38 6.06	1.42 -0.36 4.20	2.00 -0.26 3.58	4.94 -0.16 0.00	5.01 -0.10 0.00	5.84 -0.04 0.00	5.66 0.01 0.00	14.65 0.07 0.00	17.68 -0.02 0.00	14.27 -0.19 0.00	13.93 -0.20 0.00	7.98 -0.20 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	17.51 0.37 -12.20	14.24 0.36 -8.66	13.00 0.28 -8.71	12.03 0.31 -7.50	13.40 0.31 -8.56	16.31 0.35 -10.93	21.70 0.43 -15.16	26.33 0.52 -18.65	22.08 0.65 -13.35	18.60 0.72 -9.08	19.40 0.70 -10.11	19.90 0.48 -13.45	21.80 0.50 -15.34	23.03 0.50 -16.55	26.66 0.49 -20.32	27.22 0.43 -21.69	37.42 0.42 -31.89	43.64 0.48 -37.29	46.77 0.45 -40.66	39.55 1.14 -23.83	35.54 1.38 -16.46	28.38 1.01 -12.90	23.16 1.07 -7.96	20.34 0.63 -11.52

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	17.91 0.40 -12.58	14.50 0.39 -8.90	13.26 0.30 -8.96	12.27 0.34 -7.71	13.66 0.33 -8.80	16.65 0.39 -11.24	22.15 0.46 -15.58	26.89 0.56 -19.17	22.52 0.71 -13.73	18.95 0.81 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.29 0.54 -20.90	27.88 0.47 -22.31	38.50 0.47 -32.92	44.92 0.55 -38.50	48.14 0.50 -41.98	40.39 1.22 -24.59	36.16 1.49 -16.98	28.82 1.06 -13.31	23.48 1.14 -8.21	20.75 0.68 -11.88
W50THST__13_KV_LOAD 356117	17.94 0.42 -12.58	14.53 0.41 -8.90	13.28 0.32 -8.96	12.29 0.36 -7.71	13.68 0.35 -8.80	16.68 0.41 -11.24	22.19 0.50 -15.58	26.94 0.60 -19.17	22.58 0.77 -13.73	19.00 0.86 -9.34	19.83 0.84 -10.40	20.38 0.58 -13.83	22.34 0.60 -15.77	23.60 0.60 -17.02	27.34 0.58 -20.90	27.91 0.50 -22.31	38.55 0.52 -32.92	44.97 0.59 -38.50	48.18 0.54 -41.98	40.48 1.31 -24.59	36.27 1.59 -16.98	28.88 1.11 -13.31	23.55 1.22 -8.21	20.79 0.72 -11.88
WADING RIVER_IC_1 23522	17.99 0.47 -12.58	14.53 0.41 -8.90	13.28 0.31 -8.96	12.27 0.34 -7.71	13.67 0.34 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.10 0.76 -19.18	25.73 0.88 -16.77	21.69 1.01 -11.87	25.77 1.05 -16.13	25.79 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.44 0.68 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.04 0.64 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	45.09 2.21 -25.19	29.15 1.37 -13.31	26.88 1.57 -11.18	24.30 0.90 -15.21
WADING RIVER_IC_2 23547	17.99 0.47 -12.58	14.53 0.41 -8.90	13.28 0.31 -8.96	12.27 0.34 -7.71	13.67 0.34 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.10 0.76 -19.18	25.73 0.88 -16.77	21.69 1.01 -11.87	25.77 1.05 -16.13	25.79 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.44 0.68 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.04 0.64 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	45.09 2.21 -25.19	29.15 1.37 -13.31	26.88 1.57 -11.18	24.30 0.90 -15.21
WADING RIVER_IC_3 23601	17.99 0.47 -12.58	14.53 0.41 -8.90	13.28 0.31 -8.96	12.27 0.34 -7.71	13.67 0.34 -8.81	20.03 0.53 -14.48	26.10 0.65 -19.34	27.10 0.76 -19.18	25.73 0.88 -16.77	21.69 1.01 -11.87	25.77 1.05 -16.13	25.79 0.69 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.44 0.68 -20.91	28.04 0.62 -22.32	38.57 0.52 -32.94	45.04 0.64 -38.52	48.28 0.62 -42.01	40.80 1.63 -24.59	45.09 2.21 -25.19	29.15 1.37 -13.31	26.88 1.57 -11.18	24.30 0.90 -15.21
WALDENNY_12_KV_BK2 80841	7.13 0.01 -2.18	6.82 0.06 -1.54	5.60 0.04 -1.55	5.57 0.02 -1.34	6.08 0.03 -1.53	6.97 -0.01 -1.95	8.82 0.00 -2.71	10.45 -0.05 -3.33	10.40 -0.07 -2.39	10.36 -0.07 -1.62	10.36 -0.04 -1.81	8.31 -0.07 -2.41	8.61 -0.08 -2.72	8.81 -0.09 -2.92	9.30 -0.10 -3.55	8.75 -0.12 -3.77	10.51 -0.11 -5.51	12.13 -0.16 -6.41	12.44 -0.21 -6.99	18.09 -0.76 -4.27	19.81 -0.85 -2.96	16.23 -0.55 -2.32	15.07 -0.49 -1.43	10.33 0.07 -2.07
WALDEN__HYDRO 24148	17.40 0.35 -12.11	14.14 0.35 -8.57	12.90 0.27 -8.63	11.94 0.30 -7.42	13.30 0.30 -8.48	16.19 0.34 -10.82	21.54 0.42 -15.01	26.13 0.50 -18.46	21.89 0.59 -13.22	18.43 0.64 -8.99	19.21 0.61 -10.01	19.71 0.42 -13.32	21.57 0.43 -15.17	22.77 0.44 -16.36	26.34 0.44 -20.06	26.89 0.38 -21.40	37.28 0.39 -31.78	43.45 0.44 -37.14	46.58 0.43 -40.49	39.56 1.12 -23.86	35.58 1.40 -16.49	28.42 1.04 -12.92	23.17 1.07 -7.97	20.35 0.63 -11.53
WARRENSBURG____ 23737	20.72 0.09 -15.69	16.38 0.06 -11.10	15.23 0.04 -11.18	13.87 0.04 -9.62	15.56 0.05 -10.98	19.13 0.08 -14.02	25.69 0.13 -19.45	31.26 0.17 -23.93	25.36 0.15 -17.13	20.65 0.18 -11.67	21.77 0.19 -12.99	23.42 0.16 -17.29	25.58 0.16 -19.45	26.95 0.16 -20.81	31.09 0.15 -25.10	31.98 0.13 -26.75	43.86 0.14 -38.61	50.87 0.16 -44.83	54.65 0.15 -48.84	45.77 0.45 -30.74	39.55 0.53 -21.33	31.50 0.33 -16.71	24.69 0.25 -10.30	23.23 0.12 -14.92
WATERSIDE____6 8 9 23538	17.93 0.41 -12.59	14.53 0.40 -8.91	13.28 0.31 -8.97	12.29 0.35 -7.72	13.67 0.34 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.58	26.87 0.54 -19.18	22.50 0.70 -13.73	18.93 0.79 -9.34	19.77 0.78 -10.40	20.34 0.54 -13.83	22.30 0.56 -15.77	23.56 0.56 -17.02	27.30 0.54 -20.90	27.88 0.47 -22.31	38.51 0.47 -32.93	44.93 0.55 -38.50	47.22 0.51 -41.06	40.40 1.24 -24.59	36.16 1.49 -16.98	28.78 1.01 -13.31	23.45 1.12 -8.21	20.76 0.69 -11.88
WATKINRD_115KV_LN8_ILLION 55919	5.04 -0.03 -0.14	5.34 -0.03 -0.15	4.07 -0.03 -0.10	4.32 -0.03 -0.12	4.64 -0.03 -0.14	5.16 -0.02 -0.15	6.30 -0.01 -0.20	7.35 -0.04 -0.22	8.33 -0.02 -0.26	9.07 -0.03 -0.29	8.81 -0.06 -0.28	6.10 -0.05 -0.18	6.09 -0.05 -0.18	6.09 -0.06 -0.18	5.94 -0.06 -0.15	5.05 -0.05 0.00	5.06 -0.05 0.00	5.82 -0.06 0.00	5.60 -0.05 0.00	14.48 -0.10 0.00	17.59 -0.11 0.00	14.42 -0.04 0.00	14.12 -0.01 0.00	8.19 0.00 0.00
WATSON____69_KV_BK 1 55734	18.06 0.54 -12.58	14.61 0.49 -8.90	13.33 0.37 -8.96	12.33 0.40 -7.71	13.74 0.41 -8.81	20.04 0.54 -14.48	26.11 0.66 -19.34	27.07 0.73 -19.18	25.75 0.90 -16.77	21.71 1.04 -11.87	25.75 1.02 -16.13	25.80 0.70 -19.12	26.11 0.72 -19.42	26.62 0.73 -19.91	27.42 0.65 -20.93	28.03 0.60 -22.33	38.54 0.50 -32.93	45.00 0.62 -38.50	48.25 0.60 -41.99	40.80 1.62 -24.61	52.65 2.16 -32.80	29.28 1.49 -13.33	26.91 1.60 -11.18	24.33 0.93 -15.21
WDELAWARE__HYD 323627	15.85 0.28 -10.63	13.03 0.29 -7.52	11.80 0.22 -7.57	10.99 0.25 -6.52	12.21 0.24 -7.44	14.81 0.28 -9.50	19.65 0.36 -13.17	23.78 0.42 -16.21	20.19 0.51 -11.60	17.21 0.52 -7.89	17.87 0.49 -8.79	17.99 0.33 -11.69	19.60 0.34 -13.30	20.65 0.35 -14.32	23.59 0.22 -17.53	24.00 0.19 -18.70	32.97 0.20 -27.67	38.40 0.21 -32.31	41.09 0.21 -35.23	36.10 0.60 -20.92	33.32 1.17 -14.46	26.69 0.90 -11.33	22.05 0.93 -6.99	18.86 0.55 -10.12
WEST BABYLON__IC 23714	18.04 0.52 -12.58	14.60 0.48 -8.90	13.33 0.36 -8.96	12.32 0.40 -7.71	13.73 0.40 -8.81	20.02 0.52 -14.48	26.08 0.63 -19.34	27.04 0.70 -19.18	25.72 0.86 -16.77	21.68 1.00 -11.87	25.71 0.99 -16.13	25.77 0.68 -19.12	26.09 0.70 -19.42	26.59 0.70 -19.91	27.39 0.63 -20.92	28.00 0.58 -22.32	38.52 0.48 -32.93	44.97 0.59 -38.50	48.23 0.58 -41.99	40.72 1.55 -24.60	43.56 2.07 -23.79	29.23 1.45 -13.32	26.85 1.54 -11.18	24.31 0.91 -15.21
WEST CANADA__HYD 24049	5.08 0.01 -0.14	5.38 0.01 -0.15	4.11 0.00 -0.10	4.35 0.01 -0.12	4.67 0.00 -0.14	5.19 0.01 -0.15	6.33 0.01 -0.20	7.40 0.01 -0.22	8.36 0.02 -0.26	9.11 0.02 -0.29	8.88 0.01 -0.28	6.16 0.01 -0.18	6.15 0.01 -0.18	6.16 0.01 -0.18	6.00 0.01 -0.15	5.11 0.01 0.00	5.11 0.01 0.00	5.88 0.01 0.00	5.66 0.01 0.00	14.59 0.01 0.00	17.71 0.02 0.00	14.51 0.04 0.00	14.16 0.03 0.00	8.21 0.02 0.00
WESTERN_NY_WIND 24143	6.95 0.01 -2.00	6.72 0.08 -1.42	5.48 0.05 -1.43	5.47 0.03 -1.23	5.98 0.05 -1.40	6.85 0.03 -1.79	8.65 0.07 -2.47	10.21 0.00 -3.04	10.21 -0.05 -2.18	10.20 -0.08 -1.48	10.20 -0.03 -1.65	8.09 -0.08 -2.19	8.35 -0.10 -2.48	8.53 -0.11 -2.66	8.97 -0.12 -3.24	8.42 -0.13 -3.45	10.07 -0.10 -5.06	11.63 -0.15 -5.90	11.89 -0.20 -6.43	17.85 -0.66 -3.93	19.46 -0.96 -2.73	16.10 -0.49 -2.13	14.93 -0.52 -1.32	10.09 -0.01 -1.91

WESTOVER___LESR 323668	8.94 0.09 -3.91	8.10 0.11 -2.76	6.87 0.08 -2.78	6.70 0.08 -2.39	7.35 0.10 -2.73	8.61 0.10 -3.49	11.09 0.14 -4.84	13.27 0.15 -5.96	12.51 0.16 -4.26	11.87 0.17 -2.90	11.97 0.15 -3.23	10.36 0.09 -4.30	10.91 0.08 -4.86	11.28 0.08 -5.22	12.27 0.09 -6.34	11.93 0.07 -6.76	15.07 0.08 -9.89	17.47 0.08 -11.51	18.26 0.06 -12.55	22.38 0.13 -7.67	23.20 0.19 -5.31	18.81 0.19 -4.16	16.88 0.18 -2.57	12.12 0.21 -3.71
WETHRSFD_WT_PWR 323626	7.35 -0.05 -2.47	6.95 -0.01 -1.74	5.76 0.00 -1.76	5.71 -0.02 -1.51	6.24 -0.01 -1.73	7.19 -0.05 -2.20	9.12 -0.04 -3.05	10.83 -0.09 -3.76	10.65 -0.12 -2.69	10.49 -0.14 -1.83	10.50 -0.13 -2.04	8.56 -0.13 -2.72	8.89 -0.15 -3.07	9.12 -0.15 -3.30	9.70 -0.15 -4.01	9.22 -0.16 -4.27	11.21 -0.14 -6.24	12.96 -0.18 -7.26	13.35 -0.21 -7.92	18.72 -0.70 -4.84	20.28 -0.76 -3.35	16.64 -0.45 -2.63	15.28 -0.47 -1.62	10.52 -0.02 -2.34
WHAVSTOR_138KV_BK127 55557	17.52 0.35 -12.23	14.23 0.34 -8.67	13.00 0.27 -8.72	12.02 0.30 -7.51	13.39 0.29 -8.57	16.31 0.34 -10.95	21.70 0.41 -15.18	26.32 0.49 -18.67	22.06 0.61 -13.37	18.59 0.70 -9.09	19.39 0.67 -10.12	19.90 0.46 -13.47	21.80 0.47 -15.36	23.03 0.48 -16.57	26.66 0.47 -20.35	27.23 0.41 -21.72	37.44 0.40 -31.93	43.66 0.46 -37.33	46.80 0.44 -40.71	39.52 1.08 -23.86	35.49 1.31 -16.48	28.33 0.95 -12.92	23.11 1.02 -7.96	20.32 0.60 -11.53
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	17.52 0.35 -12.23	14.23 0.34 -8.67	13.00 0.27 -8.72	12.02 0.30 -7.51	13.39 0.29 -8.57	16.31 0.34 -10.95	21.70 0.41 -15.18	26.32 0.49 -18.67	22.06 0.61 -13.37	18.59 0.70 -9.09	19.39 0.67 -10.12	19.90 0.46 -13.47	21.80 0.47 -15.36	23.03 0.48 -16.57	26.66 0.47 -20.35	27.23 0.41 -21.72	37.44 0.40 -31.93	43.66 0.46 -37.33	46.80 0.44 -40.71	39.52 1.08 -23.86	35.49 1.31 -16.48	28.33 0.95 -12.92	23.11 1.02 -7.96	20.32 0.60 -11.53
WHITEHAL_115KV_TB1 80871	20.82 0.21 -15.67	16.48 0.17 -11.09	15.30 0.14 -11.16	13.95 0.13 -9.60	15.65 0.16 -10.97	19.24 0.21 -14.00	25.86 0.30 -19.45	31.47 0.38 -23.93	25.55 0.34 -17.13	20.81 0.36 -11.65	21.92 0.35 -12.97	23.53 0.29 -17.26	25.71 0.33 -19.41	27.06 0.32 -20.77	31.19 0.30 -25.04	32.06 0.27 -26.69	43.89 0.28 -38.50	50.91 0.33 -44.70	54.60 0.31 -48.64	46.13 0.90 -30.65	40.00 1.04 -21.27	31.92 0.80 -16.66	25.00 0.59 -10.28	23.39 0.33 -14.88
WHITEPLN_13_KV_LOAD 356215	17.88 0.38 -12.56	14.50 0.39 -8.89	13.25 0.30 -8.95	12.25 0.34 -7.70	13.65 0.33 -8.79	16.63 0.38 -11.23	22.17 0.49 -15.57	26.86 0.54 -19.15	22.49 0.70 -13.71	18.91 0.78 -9.32	19.71 0.74 -10.38	20.30 0.51 -13.81	22.25 0.53 -15.76	23.52 0.54 -17.00	27.26 0.53 -20.88	27.85 0.46 -22.28	38.44 0.46 -32.87	44.85 0.54 -38.43	48.07 0.50 -41.91	40.33 1.21 -24.55	36.12 1.47 -16.96	28.82 1.07 -13.29	23.50 1.17 -8.19	20.75 0.70 -11.86
WM_FLOYD_69_KV_BK2 356380	18.01 0.49 -12.58	14.56 0.44 -8.90	13.30 0.33 -8.96	12.29 0.36 -7.71	13.70 0.37 -8.81	20.03 0.52 -14.48	26.09 0.64 -19.34	27.07 0.73 -19.18	25.72 0.86 -16.77	21.68 1.00 -11.87	25.75 1.03 -16.13	25.79 0.69 -19.12	26.10 0.71 -19.42	26.61 0.72 -19.91	27.41 0.65 -20.91	28.02 0.60 -22.32	38.54 0.50 -32.93	45.00 0.62 -38.50	48.24 0.60 -41.99	40.76 1.59 -24.60	45.11 2.12 -25.30	29.22 1.45 -13.31	26.85 1.54 -11.18	24.29 0.89 -15.21
WOODARD__115KV_TB2 355635	6.20 -0.03 -1.29	6.11 -0.02 -0.91	4.91 -0.02 -0.92	4.98 -0.03 -0.79	5.41 -0.02 -0.90	6.16 -0.03 -1.15	7.71 -0.01 -1.60	9.12 -0.01 -1.97	9.47 -0.02 -1.41	9.74 -0.03 -0.96	9.62 -0.04 -1.07	7.35 -0.04 -1.42	7.53 -0.05 -1.61	7.65 -0.05 -1.72	7.90 -0.04 -2.10	7.30 -0.04 -2.23	8.33 -0.04 -3.27	9.63 -0.05 -3.80	9.74 -0.06 -4.15	16.95 -0.16 -2.53	19.27 -0.18 -1.75	15.71 -0.13 -1.37	14.85 -0.13 -0.85	9.41 -0.01 -1.23
YORK___WARBASSE 23770	17.95 0.43 -12.59	14.54 0.42 -8.91	13.29 0.32 -8.97	12.30 0.37 -7.72	13.68 0.35 -8.80	16.65 0.38 -11.24	22.13 0.43 -15.58	26.88 0.54 -19.18	22.53 0.72 -13.73	18.95 0.81 -9.34	19.79 0.81 -10.40	20.36 0.56 -13.83	22.32 0.58 -15.77	23.58 0.59 -17.02	27.32 0.57 -20.90	27.91 0.49 -22.31	38.55 0.52 -32.93	44.98 0.59 -38.51	67.99 0.55 -61.79	40.51 1.34 -24.59	36.29 1.61 -16.98	28.82 1.06 -13.31	23.52 1.19 -8.21	20.81 0.74 -11.88