

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

05/19/2023

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	20.86	19.37	18.62	18.28	18.76	20.89	28.20	30.92	25.66	20.72	20.10	19.72	19.20	19.66	20.61	23.55	24.39	32.61	33.45	34.62	35.22	31.10	23.19	20.95
24138	0.39	0.38	0.31	0.18	0.22	0.27	0.29	0.39	0.53	0.62	0.58	0.60	0.63	0.74	0.71	0.64	0.80	0.64	0.71	0.98	0.65	0.71	0.95	0.68
	-15.29	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.77	-13.05	-13.02	-12.57	-11.69	-10.84	-12.38	-15.76	-13.77	-24.53	-24.24	-21.43	-26.25	-21.32	-10.10	-11.10
74TH STREET_GT_1	20.86	19.37	18.63	18.28	18.76	20.89	28.20	30.92	25.66	20.72	20.10	19.73	19.20	19.66	20.61	23.56	24.39	32.61	33.46	34.62	35.22	31.10	23.20	20.96
24260	0.38	0.37	0.31	0.19	0.22	0.27	0.29	0.38	0.53	0.63	0.58	0.60	0.63	0.74	0.71	0.64	0.80	0.64	0.71	0.98	0.65	0.71	0.96	0.69
	-15.29	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.78	-13.05	-13.03	-12.58	-11.69	-10.84	-12.38	-15.76	-13.77	-24.53	-24.24	-21.43	-26.25	-21.32	-10.10	-11.10
74TH STREET_GT_2	20.86	19.37	18.63	18.28	18.76	20.89	28.20	30.92	25.66	20.72	20.10	19.73	19.20	19.66	20.61	23.56	24.39	32.61	33.46	34.62	35.22	31.10	23.20	20.96
24261	0.38	0.37	0.31	0.19	0.22	0.27	0.29	0.38	0.53	0.63	0.58	0.60	0.63	0.74	0.71	0.64	0.80	0.64	0.71	0.98	0.65	0.71	0.96	0.69
	-15.29	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.78	-13.05	-13.03	-12.58	-11.69	-10.84	-12.38	-15.76	-13.77	-24.53	-24.24	-21.43	-26.25	-21.32	-10.10	-11.10
ADK HUDSON___FALLS	24.61	22.76	22.00	22.10	22.59	25.02	34.19	37.30	30.27	23.80	23.19	22.61	21.90	22.10	23.16	26.23	27.03	36.32	37.78	38.87	40.24	35.25	25.52	23.57
24011	0.30	0.28	0.25	0.15	0.17	0.25	0.28	0.32	0.39	0.39	0.37	0.34	0.37	0.42	0.39	0.39	0.58	0.47	0.54	0.81	0.57	0.61	0.77	0.53
	-19.13	-17.38	-17.14	-19.20	-19.33	-20.69	-29.72	-31.83	-23.53	-16.36	-16.33	-15.72	-14.66	-13.59	-15.25	-18.68	-16.64	-28.41	-28.72	-25.86	-31.35	-25.57	-12.61	-13.87
ADK RESOURCE___RCVRY	24.66	22.80	22.04	22.13	22.62	25.05	34.20	37.36	30.33	23.85	23.25	22.67	21.95	22.15	23.21	26.29	27.11	36.41	37.93	39.02	40.40	35.38	25.62	23.65
23798	0.33	0.30	0.27	0.16	0.19	0.27	0.30	0.36	0.43	0.44	0.41	0.38	0.41	0.46	0.43	0.44	0.64	0.52	0.62	0.89	0.66	0.67	0.84	0.58
	-19.15	-17.39	-17.15	-19.21	-19.35	-20.70	-29.71	-31.86	-23.55	-16.37	-16.34	-15.74	-14.67	-13.60	-15.26	-18.70	-16.66	-28.45	-28.79	-25.92	-31.43	-25.63	-12.64	-13.90
ADK S GLENS___FALLS	24.61	22.76	22.00	22.10	22.59	25.02	34.19	37.30	30.27	23.80	23.19	22.61	21.90	22.10	23.16	26.23	27.03	36.32	37.78	38.87	40.24	35.25	25.52	23.57
24028	0.30	0.28	0.25	0.15	0.17	0.25	0.28	0.32	0.39	0.39	0.37	0.34	0.37	0.42	0.39	0.39	0.58	0.47	0.54	0.81	0.57	0.61	0.77	0.53
	-19.13	-17.38	-17.14	-19.20	-19.33	-20.69	-29.72	-31.83	-23.53	-16.36	-16.33	-15.72	-14.66	-13.59	-15.25	-18.68	-16.64	-28.41	-28.72	-25.86	-31.35	-25.57	-12.61	-13.87
ADK_NYS___DAM	23.89	22.10	21.36	21.39	21.89	24.23	33.02	36.01	29.30	23.09	22.49	21.92	21.25	21.50	22.35	24.91	25.96	34.00	35.82	37.24	38.20	33.60	24.84	22.92
23527	0.26	0.24	0.21	0.13	0.15	0.20	0.20	0.23	0.29	0.30	0.27	0.26	0.27	0.33	0.28	0.29	0.42	0.32	0.39	0.56	0.38	0.41	0.55	0.39
	-18.45	-16.76	-16.53	-18.51	-18.64	-19.95	-28.63	-30.64	-22.66	-15.75	-15.72	-15.12	-14.11	-13.09	-14.55	-17.47	-15.72	-26.24	-26.92	-24.46	-29.51	-24.12	-12.14	-13.35
AIR_PRODUCTS___DRP	23.83	22.06	21.32	21.36	21.84	24.19	32.93	35.94	29.23	23.06	22.46	21.93	21.25	21.48	22.49	25.44	26.24	35.15	36.60	37.67	38.92	34.12	24.81	22.90
24190	0.22	0.22	0.20	0.12	0.13	0.18	0.17	0.21	0.27	0.30	0.27	0.26	0.28	0.33	0.30	0.29	0.41	0.31	0.37	0.53	0.36	0.38	0.52	0.38
	-18.43	-16.74	-16.51	-18.49	-18.62	-19.93	-28.57	-30.59	-22.62	-15.72	-15.69	-15.11	-14.09	-13.06	-14.67	-18.00	-16.02	-27.40	-27.72	-24.94	-30.25	-24.67	-12.15	-13.35
AKWESSNE_115KV_BK	5.02	4.96	3.02	2.67	2.52	2.02	2.02	2.52	2.53	3.04	4.98	5.03	3.41	2.88	4.97	3.04	3.05	4.97	5.04	11.76	8.00	3.06	2.60	2.56
355683	-0.16	-0.14	-0.13	-0.08	-0.09	-0.12	-0.12	-0.15	-0.20	-0.23	-0.22	-0.23	-0.24	-0.29	-0.27	-0.26	-0.36	-0.28	-0.32	-0.45	-0.30	-0.31	-0.39	-0.30
	0.00	0.00	1.46	0.00	0.49	1.95	2.05	2.47	3.62	3.78	1.30	1.29	3.23	4.91	2.28	3.85	6.40	2.19	3.15	0.00	0.01	5.71	9.16	6.31
ALBANY___1	23.83	22.06	21.32	21.36	21.84	24.19	32.93	35.94	29.23	23.06	22.46	21.93	21.25	21.48	22.49	25.44	26.24	35.15	36.60	37.67	38.92	34.12	24.81	22.90
23571	0.22	0.22	0.20	0.12	0.13	0.18	0.17	0.21	0.27	0.30	0.27	0.26	0.28	0.33	0.30	0.29	0.41	0.31	0.37	0.53	0.36	0.38	0.52	0.38
	-18.43	-16.74	-16.51	-18.49	-18.62	-19.93	-28.57	-30.59	-22.62	-15.72	-15.69	-15.11	-14.09	-13.06	-14.67	-18.00	-16.02	-27.40	-27.72	-24.94	-30.25	-24.67	-12.15	-13.35
ALBANY___2	23.83	22.06	21.32	21.36	21.84	24.19	32.93	35.94	29.23	23.06	22.46	21.93	21.25	21.48	22.49	25.44	26.24	35.15	36.60	37.67	38.92	34.12	24.81	22.90
23572	0.22	0.22	0.20	0.12	0.13	0.18	0.17	0.21	0.27	0.30	0.27	0.26	0.28	0.33	0.30	0.29	0.41	0.31	0.37	0.53	0.36	0.38	0.52	0.38
	-18.43	-16.74	-16.51	-18.49	-18.62	-19.93	-28.57	-30.59	-22.62	-15.72	-15.69	-15.11	-14.09	-13.06	-14.67	-18.00	-16.02	-27.40	-27.72	-24.94	-30.25	-24.67	-12.15	-13.35
ALBANY___3	23.83	22.06	21.32	21.36	21.84	24.19	32.93	35.94	29.23	23.06	22.46	21.93	21.25	21.48	22.49	25.44	26.24	35.15	36.60	37.67	38.92	34.12	24.81	22.90
23573	0.22	0.22	0.20	0.12	0.13	0.18	0.17	0.21	0.27	0.30	0.27	0.26	0.28	0.33	0.30	0.29	0.41	0.31	0.37	0.53	0.36	0.38	0.52	0.38
	-18.43	-16.74	-16.51	-18.49	-18.62	-19.93	-28.57	-30.59	-22.62	-15.72	-15.69	-15.11	-14.09	-13.06	-14.67	-18.00	-16.02	-27.40	-27.72	-24.94	-30.25	-24.67	-12.15	-13.35

ALBANY___4 23574	23.83 0.22 -18.43	22.06 0.22 -16.74	21.32 0.20 -16.51	21.36 0.12 -18.49	21.84 0.13 -18.62	24.19 0.18 -19.93	32.93 0.17 -28.57	35.94 0.21 -30.59	29.23 0.27 -22.62	23.06 0.30 -15.72	22.46 0.27 -15.69	21.93 0.26 -15.11	21.25 0.28 -14.09	21.48 0.33 -13.06	22.49 0.30 -14.67	25.44 0.29 -18.00	26.24 0.41 -16.02	35.15 0.31 -27.40	36.60 0.37 -27.72	37.67 0.53 -24.94	38.92 0.36 -30.25	34.12 0.38 -24.67	24.81 0.52 -12.15	22.90 0.38 -13.35
ALBANY___LFGE 323615	24.01 0.24 -18.58	22.22 0.24 -16.88	21.48 0.22 -16.65	21.53 0.13 -18.65	22.01 0.15 -18.78	24.37 0.19 -20.09	33.21 0.19 -28.83	36.52 0.25 -31.13	29.68 0.32 -23.02	23.39 0.35 -16.00	22.78 0.32 -15.97	22.25 0.31 -15.38	21.54 0.33 -14.33	21.77 0.40 -13.30	22.81 0.36 -14.93	25.83 0.34 -18.34	26.61 0.48 -16.31	35.74 0.37 -27.93	37.17 0.43 -28.23	38.22 0.62 -25.38	39.55 0.43 -30.80	34.63 0.44 -25.11	25.11 0.61 -12.35	23.20 0.44 -13.58
ALCOA_PA_115KV_PL-6C 55860	5.05 -0.13 0.00	4.98 -0.12 0.00	3.11 -0.12 1.39	2.69 -0.07 0.00	2.55 -0.08 0.46	2.13 -0.10 1.85	2.13 -0.11 1.95	2.66 -0.13 2.36	2.72 -0.18 3.45	3.23 -0.22 3.60	5.05 -0.21 1.24	5.10 -0.22 1.23	3.56 -0.25 3.07	3.10 -0.31 4.68	5.04 -0.28 2.20	3.15 -0.27 3.73	3.25 -0.37 6.19	5.03 -0.29 2.12	5.13 -0.33 3.05	11.76 -0.45 0.00	8.01 -0.29 0.01	3.24 -0.31 5.52	2.92 -0.36 8.86	2.79 -0.28 6.10
ALCOA_RYNLDS___DRP 24188	5.05 -0.13 0.00	4.98 -0.12 0.00	3.11 -0.12 1.39	2.69 -0.07 0.00	2.55 -0.08 0.46	2.13 -0.10 1.85	2.13 -0.11 1.95	2.66 -0.13 2.36	2.72 -0.18 3.45	3.23 -0.22 3.60	5.05 -0.21 1.24	5.10 -0.22 1.23	3.56 -0.25 3.07	3.10 -0.31 4.68	5.04 -0.28 2.20	3.15 -0.27 3.73	3.25 -0.37 6.19	5.03 -0.29 2.12	5.13 -0.33 3.05	11.76 -0.45 0.00	8.01 -0.29 0.01	3.24 -0.31 5.52	2.92 -0.36 8.86	2.79 -0.28 6.10
ALCOA___DSASP 323711	5.05 -0.13 0.00	4.98 -0.12 0.00	3.11 -0.12 1.39	2.69 -0.07 0.00	2.55 -0.08 0.46	2.13 -0.10 1.85	2.13 -0.11 1.95	2.66 -0.13 2.36	2.72 -0.18 3.45	3.23 -0.22 3.60	5.05 -0.21 1.24	5.10 -0.22 1.23	3.56 -0.25 3.07	3.10 -0.31 4.68	5.06 -0.28 2.18	3.20 -0.27 3.68	3.32 -0.37 6.11	5.05 -0.29 2.09	5.17 -0.33 3.01	11.76 -0.45 0.00	8.01 -0.29 0.01	3.31 -0.31 5.46	3.02 -0.36 8.76	2.86 -0.27 6.03
ALLEGHENY___COGEN 23514	8.10 0.36 -2.55	7.74 0.32 -2.32	7.18 0.27 -2.29	5.47 0.16 -2.56	5.85 0.18 -2.58	7.14 0.29 -2.76	8.45 0.30 -3.96	9.75 0.37 -4.24	9.92 0.43 -3.14	9.68 0.46 -2.18	9.05 0.38 -2.18	8.99 0.34 -2.10	9.17 0.34 -1.95	10.28 0.39 -1.81	9.93 0.37 -2.05	10.12 0.42 -2.55	12.54 0.31 -2.42	11.94 0.30 -4.20	13.11 0.39 -4.21	16.52 0.55 -3.76	13.31 0.42 -4.58	13.25 0.44 -3.73	14.38 0.42 -1.81	11.45 0.28 -1.99
ALTAMONT_115KV_TB 2 55880	23.84 0.20 -18.46	22.07 0.19 -16.77	21.33 0.18 -16.54	21.38 0.10 -18.52	21.86 0.12 -18.65	24.20 0.15 -19.96	33.81 0.21 -29.41	36.89 0.25 -31.50	29.94 0.30 -23.29	23.55 0.32 -16.19	22.95 0.29 -16.16	22.40 0.29 -15.57	21.68 0.30 -14.51	21.89 0.36 -13.45	22.98 0.33 -15.13	26.09 0.31 -18.63	26.82 0.46 -16.55	36.22 0.36 -28.41	36.79 0.32 -27.95	37.78 0.48 -25.09	39.11 0.32 -30.48	34.26 0.34 -24.84	24.78 0.46 -12.17	22.89 0.33 -13.38
ALTONA_WT_PWR 323606	5.07 -0.11 0.00	4.94 -0.16 0.00	2.97 -0.21 1.44	2.60 -0.15 0.00	2.42 -0.19 0.48	1.91 -0.26 1.92	1.89 -0.28 2.02	2.41 -0.29 2.44	2.43 -0.35 3.57	2.95 -0.37 3.72	4.89 -0.33 1.28	4.96 -0.31 1.28	3.35 -0.34 3.18	2.80 -0.44 4.84	4.84 -0.43 2.25	2.95 -0.39 3.81	2.93 -0.55 6.33	4.89 -0.38 2.17	5.00 -0.39 3.12	11.61 -0.60 0.00	7.95 -0.35 0.01	2.97 -0.45 5.65	2.31 -0.76 9.07	2.31 -0.61 6.24
AMERICAN_REF_FUEL 24010	7.54 -0.15 -2.51	7.20 -0.18 -2.28	6.69 -0.17 -2.25	5.18 -0.09 -2.52	5.54 -0.09 -2.53	6.67 -0.13 -2.71	7.93 -0.15 -3.89	9.05 -0.26 -4.16	9.12 -0.30 -3.08	8.82 -0.37 -2.14	8.33 -0.31 -2.14	8.25 -0.36 -2.06	8.42 -0.38 -1.92	9.51 -0.35 -1.78	9.14 -0.39 -2.01	9.32 -0.33 -2.50	11.56 -0.45 -2.20	10.94 -0.32 -3.82	11.94 -0.40 -3.83	15.04 -0.60 -3.42	12.05 -0.43 -4.17	12.04 -0.43 -3.39	13.23 -0.56 -1.64	10.49 -0.49 -1.81
ARKWRIGHT___SUMMIT_WT_PWR 323751	7.79 -0.17 -2.78	7.42 -0.21 -2.53	6.89 -0.22 -2.49	5.42 -0.13 -2.79	5.77 -0.14 -2.81	6.91 -0.18 -3.01	8.34 -0.17 -4.32	9.52 -0.24 -4.62	9.49 -0.27 -3.42	9.11 -0.31 -2.37	8.61 -0.25 -2.37	8.55 -0.28 -2.28	8.73 -0.28 -2.13	9.81 -0.24 -1.97	9.47 -0.28 -2.23	9.73 -0.20 -2.78	11.99 -0.26 -2.44	11.57 -0.11 -4.25	12.68 -0.09 -4.25	15.83 -0.18 -3.80	12.79 -0.15 -4.63	12.67 -0.17 -3.77	13.60 -0.38 -1.83	10.82 -0.36 -2.01
ARTHUR_KILL_GT_1 23520	20.90 0.42 -15.29	19.39 0.40 -13.89	18.64 0.32 -13.70	18.29 0.19 -15.34	18.77 0.23 -15.45	20.89 0.27 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.18 0.61 -11.69	19.66 0.73 -10.84	20.62 0.72 -12.38	23.57 0.66 -15.76	24.39 0.80 -13.77	32.56 0.59 -24.53	33.38 0.63 -24.24	34.47 0.83 -21.42	35.11 0.55 -26.25	31.14 0.74 -21.32	23.25 1.01 -10.10	21.04 0.76 -11.10
ARTHUR_KILL_2 23512	20.88 0.41 -15.29	19.38 0.39 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.26 -23.72	30.88 0.34 -25.39	25.61 0.48 -18.78	20.66 0.56 -13.05	20.05 0.53 -13.03	19.68 0.56 -12.58	19.16 0.59 -11.69	19.64 0.71 -10.84	20.60 0.70 -12.38	23.55 0.64 -15.76	24.37 0.79 -13.77	32.53 0.57 -24.53	33.35 0.60 -24.24	34.43 0.79 -21.42	35.09 0.53 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.02 0.74 -11.10
ARTHUR_KILL_3 23513	20.83 0.35 -15.29	19.33 0.34 -13.89	18.60 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.58 0.68 -12.38	23.49 0.58 -15.76	24.30 0.72 -13.77	32.54 0.57 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.03 0.63 -21.32	23.13 0.89 -10.10	20.91 0.63 -11.10
ARTHUR_KILL_COGEN 323718	20.90 0.42 -15.29	19.39 0.40 -13.89	18.64 0.32 -13.70	18.29 0.19 -15.34	18.77 0.23 -15.45	20.89 0.27 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.18 0.61 -11.69	19.66 0.73 -10.84	20.62 0.72 -12.38	23.57 0.66 -15.76	24.39 0.80 -13.77	32.56 0.59 -24.53	33.38 0.63 -24.24	34.47 0.83 -21.42	35.11 0.55 -26.25	31.14 0.74 -21.32	23.25 1.01 -10.10	21.04 0.76 -11.10
ASHOKAN____ 23654	21.87 0.16 -16.53	20.27 0.15 -15.01	19.54 0.12 -14.80	19.41 0.07 -16.58	19.88 0.09 -16.70	22.07 0.12 -17.87	29.95 0.12 -25.64	32.72 0.14 -27.43	26.83 0.20 -20.28	21.32 0.18 -14.10	20.72 0.15 -14.07	20.28 0.16 -13.56	19.64 0.14 -12.63	19.97 0.17 -11.71	20.92 0.17 -13.24	23.80 0.16 -16.48	24.61 0.24 -14.56	32.91 0.16 -25.31	34.12 0.25 -25.36	35.32 0.45 -22.66	36.23 0.32 -27.59	31.79 0.25 -22.46	23.52 0.49 -10.89	21.47 0.32 -11.98

ASTORIA_EAST_ENERGY_CC1 323581	20.89	19.38	18.63	18.28	18.76	20.88	28.15	30.84	25.57	20.64	20.03	19.65	19.14	19.58	20.54	23.49	24.28	32.51	33.35	34.45	35.10	31.01	23.13	21.01
	0.41	0.38	0.31	0.18	0.22	0.26	0.23	0.31	0.46	0.55	0.51	0.54	0.57	0.66	0.65	0.58	0.71	0.55	0.60	0.82	0.54	0.62	0.89	0.73
	-15.30	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.77	-13.04	-13.02	-12.57	-11.69	-10.84	-12.37	-15.76	-13.76	-24.52	-24.23	-21.42	-26.25	-21.32	-10.10	-11.10
ASTORIA_EAST_ENERGY_CC2 323582	20.89	19.38	18.63	18.28	18.76	20.88	28.15	30.84	25.57	20.64	20.03	19.65	19.14	19.58	20.54	23.49	24.28	32.51	33.35	34.45	35.10	31.01	23.13	21.01
	0.41	0.38	0.31	0.18	0.22	0.26	0.23	0.31	0.46	0.55	0.51	0.54	0.57	0.66	0.65	0.58	0.71	0.55	0.60	0.82	0.54	0.62	0.89	0.73
	-15.30	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.77	-13.04	-13.02	-12.57	-11.69	-10.84	-12.37	-15.76	-13.76	-24.52	-24.23	-21.42	-26.25	-21.32	-10.10	-11.10
ASTORIA_GT2_1 24094	20.89	19.38	18.63	18.28	18.76	20.88	28.15	30.85	25.58	20.64	20.03	19.66	19.15	19.59	20.55	23.49	24.29	32.52	33.35	34.47	35.11	31.02	23.14	21.01
	0.41	0.39	0.31	0.19	0.22	0.26	0.23	0.32	0.46	0.56	0.52	0.54	0.58	0.67	0.65	0.58	0.72	0.56	0.60	0.83	0.55	0.63	0.90	0.73
	-15.30	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.77	-13.04	-13.02	-12.57	-11.69	-10.84	-12.37	-15.76	-13.76	-24.52	-24.23	-21.42	-26.25	-21.32	-10.10	-11.10
ASTORIA_GT2_2 24095	20.89	19.38	18.63	18.28	18.76	20.88	28.15	30.85	25.58	20.64	20.03	19.66	19.15	19.59	20.55	23.49	24.29	32.52	33.35	34.47	35.11	31.02	23.14	21.01
	0.41	0.39	0.31	0.19	0.22	0.26	0.23	0.32	0.46	0.56	0.52	0.54	0.58	0.67	0.65	0.58	0.72	0.56	0.60	0.83	0.55	0.63	0.90	0.73
	-15.30	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.77	-13.04	-13.02	-12.57	-11.69	-10.84	-12.37	-15.76	-13.76	-24.52	-24.23	-21.42	-26.25	-21.32	-10.10	-11.10
ASTORIA_GT2_3 24096	20.89	19.38	18.63	18.28	18.76	20.88	28.15	30.85	25.58	20.64	20.03	19.66	19.15	19.59	20.55	23.49	24.29	32.52	33.35	34.47	35.11	31.02	23.14	21.01
	0.41	0.39	0.31	0.19	0.22	0.26	0.23	0.32	0.46	0.56	0.52	0.54	0.58	0.67	0.65	0.58	0.72	0.56	0.60	0.83	0.55	0.63	0.90	0.73
	-15.30	-13.89	-13.70	-15.34	-15.45	-16.54	-23.72	-25.39	-18.77	-13.04	-13.02	-12.57	-11.69	-10.84	-12.37	-15.76	-13.76	-24.52	-24.23	-21.42	-26.25	-21.32	-10.10	-11.10
ASTORIA_GT2_4 24097	20.89	19.38	18.63	18.28	18.76	20.88	28.15	30.85	25.58	20.64	20.03	19.66	19.15	19.59	20.55	23.49	24.29	32.52	33.35	34.47	35.11	31.02	23.14	21.01
	0.41	0.39	0.31	0.19	0.22	0.26	0.23	0.32	0.46	0.56	0.52	0.54	0.58	0.67	0.65	0.58	0.72	0.56	0.60	0.8				

ASTORIA_GT_10 24110	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
ASTORIA_GT_11 24225	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
ASTORIA_GT_12 24226	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
ASTORIA_GT_13 24227	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
ASTORIA_GT_5 24106	20.90 0.42 -15.30	19.39 0.39 -13.89	18.63 0.32 -13.70	18.29 0.19 -15.34	18.76 0.22 -15.45	20.89 0.27 -16.54	28.15 0.24 -23.72	30.86 0.33 -25.39	25.59 0.48 -18.77	20.65 0.56 -13.04	20.04 0.53 -13.02	19.67 0.55 -12.57	19.16 0.59 -11.69	19.61 0.69 -10.84	20.56 0.67 -12.37	23.50 0.59 -15.76	24.30 0.73 -13.76	32.53 0.57 -24.52	33.36 0.62 -24.23	34.49 0.85 -21.42	35.12 0.56 -26.25	31.04 0.64 -21.32	23.15 0.91 -10.10	21.02 0.74 -11.10
ASTORIA_GT_7 24107	20.90 0.42 -15.30	19.39 0.39 -13.89	18.63 0.32 -13.70	18.29 0.19 -15.34	18.76 0.22 -15.45	20.89 0.27 -16.54	28.15 0.24 -23.72	30.86 0.33 -25.39	25.59 0.48 -18.77	20.65 0.56 -13.04	20.04 0.53 -13.02	19.67 0.55 -12.57	19.16 0.59 -11.69	19.61 0.69 -10.84	20.56 0.67 -12.37	23.50 0.59 -15.76	24.30 0.73 -13.76	32.53 0.57 -24.52	33.36 0.62 -24.23	34.49 0.85 -21.42	35.12 0.56 -26.25	31.04 0.64 -21.32	23.15 0.91 -10.10	21.02 0.74 -11.10
ASTORIA_GT_8 24108	20.90 0.42 -15.30	19.39 0.39 -13.89	18.63 0.32 -13.70	18.29 0.19 -15.34	18.76 0.22 -15.45	20.89 0.27 -16.54	28.15 0.24 -23.72	30.86 0.33 -25.39	25.59 0.48 -18.77	20.65 0.56 -13.04	20.04 0.53 -13.02	19.67 0.55 -12.57	19.16 0.59 -11.69	19.61 0.69 -10.84	20.56 0.67 -12.37	23.50 0.59 -15.76	24.30 0.73 -13.76	32.53 0.57 -24.52	33.36 0.62 -24.23	34.49 0.85 -21.42	35.12 0.56 -26.25	31.04 0.64 -21.32	23.15 0.91 -10.10	21.02 0.74 -11.10
ASTORIA___2 24149	20.89 0.41 -15.30	19.38 0.39 -13.89	18.63 0.31 -13.70	18.28 0.19 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.15 0.23 -23.72	30.85 0.32 -25.39	25.58 0.46 -18.77	20.64 0.56 -13.04	20.03 0.52 -13.02	19.66 0.54 -12.57	19.15 0.58 -11.69	19.59 0.67 -10.84	20.55 0.65 -12.37	23.49 0.58 -15.76	24.29 0.72 -13.76	32.52 0.56 -24.52	33.35 0.60 -24.23	34.47 0.83 -21.42	35.11 0.55 -26.25	31.02 0.63 -21.32	23.14 0.90 -10.10	21.01 0.73 -11.10
ASTORIA___3 23516	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
ASTORIA___4 23517	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.70 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.38 0.63 -24.24	34.53 0.88 -21.43	35.14 0.57 -26.26	31.06 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
ASTORIA___5 23518	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
AST_ENERGY_2_CC3 323677	20.83 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.61 0.49 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.55 0.58 -24.53	33.39 0.64 -24.24	34.54 0.89 -21.43	35.16 0.59 -26.25	31.04 0.64 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
AST_ENERGY_2_CC4 323678	20.83 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.61 0.49 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.55 0.58 -24.53	33.39 0.64 -24.24	34.54 0.89 -21.43	35.16 0.59 -26.25	31.04 0.64 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
ATHENS_STG_1 23668	22.17 0.20 -16.79	20.55 0.20 -15.25	19.84 0.18 -15.04	19.70 0.11 -16.85	20.17 0.12 -16.96	22.39 0.15 -18.15	30.39 0.15 -26.05	33.21 0.18 -27.88	27.22 0.25 -20.61	21.66 0.29 -14.33	21.06 0.27 -14.30	20.62 0.28 -13.79	20.00 0.29 -12.84	20.33 0.34 -11.91	21.33 0.32 -13.49	24.34 0.29 -16.89	25.08 0.39 -14.88	33.77 0.30 -26.03	34.84 0.34 -25.99	35.86 0.49 -23.15	36.88 0.32 -28.24	32.40 0.35 -22.97	23.69 0.47 -11.08	21.69 0.34 -12.18
ATHENS_STG_2 23670	22.17 0.20 -16.79	20.55 0.20 -15.25	19.84 0.18 -15.04	19.70 0.11 -16.85	20.17 0.12 -16.96	22.39 0.15 -18.15	30.39 0.15 -26.05	33.21 0.18 -27.88	27.22 0.25 -20.61	21.66 0.29 -14.33	21.06 0.27 -14.30	20.62 0.28 -13.79	20.00 0.29 -12.84	20.33 0.34 -11.91	21.33 0.32 -13.49	24.34 0.29 -16.89	25.08 0.39 -14.88	33.77 0.30 -26.03	34.84 0.34 -25.99	35.86 0.49 -23.15	36.88 0.32 -28.24	32.40 0.35 -22.97	23.69 0.47 -11.08	21.69 0.34 -12.18

ATHENS_STG_3 23677	22.17 0.20 -16.79	20.55 0.20 -15.25	19.84 0.18 -15.04	19.70 0.11 -16.85	20.17 0.12 -16.96	22.39 0.15 -18.15	30.39 0.15 -26.05	33.21 0.18 -27.88	27.22 0.25 -20.61	21.66 0.29 -14.33	21.06 0.27 -14.30	20.62 0.28 -13.79	20.00 0.29 -12.84	20.33 0.34 -11.91	21.33 0.32 -13.49	24.34 0.29 -16.89	25.08 0.39 -14.88	33.77 0.30 -26.03	34.84 0.34 -25.99	35.86 0.49 -23.15	36.88 0.32 -28.24	32.40 0.35 -22.97	23.69 0.47 -11.08	21.69 0.34 -12.18
AUBURN____LFGE 323710	7.40 0.10 -2.11	7.10 0.08 -1.92	6.57 0.06 -1.89	4.91 0.04 -2.12	5.27 0.04 -2.13	6.45 0.08 -2.28	7.56 0.10 -3.28	8.77 0.12 -3.51	9.10 0.16 -2.59	9.02 0.17 -1.80	8.46 0.16 -1.80	8.45 0.16 -1.73	8.66 0.17 -1.62	9.78 0.19 -1.50	9.41 0.20 -1.69	9.49 0.24 -2.11	12.00 0.32 -1.87	10.93 0.24 -3.25	11.99 0.22 -3.26	15.40 0.28 -2.91	12.06 0.20 -3.54	12.22 0.26 -2.88	13.75 0.21 -1.40	10.89 0.18 -1.54
BABYLON_RES_REC 323704	27.31 0.48 -21.65	21.64 0.46 -16.08	21.81 0.40 -16.79	20.10 0.24 -17.11	21.02 0.28 -17.65	26.55 0.35 -22.11	29.71 0.37 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.03 0.70 -20.28	26.40 0.63 -19.27	26.40 0.64 -19.21	26.08 0.68 -18.52	26.42 0.79 -17.54	26.76 0.74 -18.49	26.80 0.72 -18.93	29.85 0.94 -19.10	34.28 0.75 -26.09	37.85 0.89 -28.46	41.17 1.15 -27.81	42.13 0.83 -32.99	34.36 0.89 -24.40	28.22 1.14 -14.94	26.07 0.83 -16.07
BABYLON__69_KV_BK2 356345	27.36 0.52 -21.65	21.69 0.51 -16.08	21.85 0.44 -16.79	20.13 0.26 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.40 -25.15	31.01 0.47 -25.40	28.65 0.67 -21.63	28.09 0.77 -20.28	26.45 0.68 -19.27	26.46 0.70 -19.21	26.13 0.74 -18.52	26.49 0.86 -17.54	26.82 0.80 -18.49	26.86 0.78 -18.93	29.94 1.03 -19.10	34.35 0.82 -26.09	37.83 0.86 -28.46	41.29 1.27 -27.81	42.13 0.82 -32.99	34.46 0.98 -24.40	28.33 1.25 -14.94	26.15 0.91 -16.07
BARON_WINDS____WT_PWR 323822	8.67 -0.04 -3.53	8.24 -0.07 -3.20	7.70 -0.07 -3.16	6.25 -0.04 -3.54	6.61 -0.04 -3.56	7.85 -0.05 -3.81	9.63 -0.04 -5.47	10.92 -0.08 -5.86	10.60 -0.08 -4.33	9.96 -0.09 -3.01	9.43 -0.07 -3.01	9.34 -0.11 -2.90	9.47 -0.10 -2.70	10.51 -0.07 -2.50	10.26 -0.08 -2.83	10.61 -0.06 -3.52	12.86 0.04 -3.01	12.73 0.05 -5.24	13.81 0.05 -5.25	16.97 0.07 -4.69	14.05 0.03 -5.71	13.74 0.02 -4.65	14.35 -0.05 -2.25	11.59 -0.06 -2.48
BARRETT_IC_1 23704	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_10 23701	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_11 23702	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_12 23703	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_2 23705	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_3 23706	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_4 23707	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_5 23708	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_6 23709	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_7 23710	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07

BARRETT_IC_8 23711	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT_IC_9 23700	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT___1 23545	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BARRETT___2 23546	27.31 0.48 -21.65	21.64 0.46 -16.08	21.80 0.40 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.78 0.70 -18.93	29.78 0.87 -19.10	34.22 0.69 -26.09	37.76 0.79 -28.46	41.12 1.10 -27.81	42.05 0.75 -32.99	34.27 0.80 -24.40	28.18 1.09 -14.94	26.06 0.82 -16.07
BATAVIA___115KV_TB1 55881	7.61 -0.02 -2.45	7.25 -0.08 -2.22	6.74 -0.07 -2.19	5.17 -0.04 -2.46	5.53 -0.03 -2.47	6.70 -0.04 -2.65	7.93 -0.06 -3.80	9.08 -0.13 -4.06	9.21 -0.15 -3.00	8.95 -0.18 -2.09	8.41 -0.17 -2.09	8.37 -0.19 -2.01	8.53 -0.22 -1.87	9.67 -0.15 -1.74	9.27 -0.21 -1.96	9.44 -0.16 -2.44	11.75 -0.21 -2.15	11.04 -0.13 -3.73	12.19 -0.09 -3.76	15.33 -0.24 -3.36	12.30 -0.11 -4.09	12.22 -0.18 -3.33	13.50 -0.26 -1.61	10.68 -0.27 -1.77
BAYONEEC___CTG1 323682	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG10 323750	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG2 323683	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG3 323684	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG4 323685	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG5 323686	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG6 323687	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG7 323688	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG8 323689	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
BAYONEEC___CTG9 323749	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.55 0.59 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10

BEACON___LESR 323632	23.87 0.27 -18.41	22.10 0.27 -16.73	21.35 0.24 -16.49	21.37 0.15 -18.47	21.85 0.16 -18.60	24.21 0.22 -19.91	32.98 0.23 -28.56	35.96 0.27 -30.55	29.28 0.34 -22.59	23.11 0.37 -15.70	22.50 0.33 -15.67	21.96 0.32 -15.09	21.29 0.34 -14.07	21.54 0.41 -13.05	22.54 0.38 -14.64	25.46 0.36 -17.95	26.30 0.51 -15.98	35.13 0.39 -27.31	36.60 0.46 -27.63	37.75 0.67 -24.87	38.93 0.46 -30.16	34.15 0.48 -24.59	24.91 0.64 -12.12	22.97 0.47 -13.33
BEAVER RIVER___HYD 24048	5.89 0.02 -0.69	5.74 0.01 -0.63	4.82 -0.01 -0.22	3.44 -0.01 -0.69	3.65 0.00 -0.56	4.30 0.00 -0.21	4.68 -0.02 -0.51	5.59 -0.02 -0.47	6.13 -0.06 0.15	6.50 -0.09 0.45	6.61 -0.12 -0.23	6.68 -0.09 -0.21	6.39 -0.12 0.36	7.03 -0.19 0.87	7.25 -0.20 0.08	6.58 -0.19 0.38	8.42 -0.23 1.17	7.73 -0.16 -0.45	8.53 -0.16 -0.19	13.02 -0.13 -0.95	9.35 -0.11 -1.15	8.32 -0.11 0.65	9.96 -0.10 2.09	7.87 -0.05 1.25
BEEBEE_GT_13 23619	7.23 0.03 -2.02	6.92 -0.02 -1.84	6.41 -0.02 -1.81	4.77 -0.01 -2.03	5.13 -0.01 -2.04	6.28 0.01 -2.19	7.33 0.00 -3.14	8.49 -0.01 -3.36	8.83 0.00 -2.48	8.76 -0.01 -1.73	8.22 0.00 -1.72	8.19 -0.02 -1.66	8.40 -0.03 -1.55	9.53 0.02 -1.43	9.13 -0.01 -1.62	9.18 0.01 -2.02	11.63 0.03 -1.79	10.58 0.03 -3.11	11.71 0.07 -3.13	15.03 0.02 -2.79	11.77 0.06 -3.40	11.86 0.02 -2.77	13.48 -0.01 -1.34	10.61 -0.04 -1.48
BENSHRST_27_KV_BENSHRST_1 355998	20.89 0.42 -15.29	19.39 0.39 -13.89	18.64 0.32 -13.70	18.29 0.19 -15.34	18.77 0.23 -15.45	20.89 0.27 -16.54	28.19 0.28 -23.72	30.92 0.38 -25.39	25.66 0.53 -18.78	20.72 0.63 -13.05	20.11 0.58 -13.03	19.74 0.62 -12.58	19.22 0.65 -11.69	19.70 0.77 -10.84	20.65 0.75 -12.38	23.59 0.67 -15.76	24.42 0.83 -13.77	32.62 0.65 -24.53	33.44 0.69 -24.24	34.62 0.98 -21.43	35.19 0.62 -26.26	31.15 0.75 -21.32	23.25 1.01 -10.10	21.03 0.75 -11.10
BETHLEHEM___GRP 23843	23.83 0.22 -18.43	22.06 0.22 -16.74	21.32 0.20 -16.51	21.36 0.12 -18.49	21.84 0.13 -18.62	24.19 0.18 -19.93	32.93 0.17 -28.57	35.94 0.21 -30.59	29.23 0.27 -22.62	23.06 0.30 -15.72	22.46 0.27 -15.69	21.93 0.26 -15.11	21.25 0.28 -14.09	21.48 0.33 -13.06	22.49 0.30 -14.67	25.44 0.29 -18.00	26.24 0.41 -16.02	35.15 0.31 -27.40	36.60 0.37 -27.72	37.67 0.53 -24.94	38.92 0.36 -30.25	34.12 0.38 -24.67	24.81 0.52 -12.15	22.90 0.38 -13.35
BETHLEHEM___GS1 323560	23.83 0.22 -18.43	22.06 0.22 -16.74	21.32 0.20 -16.51	21.36 0.12 -18.49	21.84 0.13 -18.62	24.19 0.18 -19.93	32.95 0.17 -28.59	35.94 0.21 -30.59	29.23 0.27 -22.62	23.06 0.30 -15.72	22.46 0.27 -15.69	21.93 0.26 -15.11	21.25 0.28 -14.09	21.48 0.33 -13.06	22.49 0.30 -14.67	25.44 0.29 -18.00	26.24 0.41 -16.02	35.15 0.31 -27.40	36.59 0.37 -27.71	37.66 0.52 -24.92	38.92 0.37 -30.24	34.11 0.38 -24.66	24.81 0.52 -12.14	22.90 0.38 -13.35
BETHLEHEM___GS2 323561	23.83 0.22 -18.43	22.06 0.22 -16.74	21.32 0.20 -16.51	21.36 0.12 -18.49	21.84 0.13 -18.62	24.19 0.18 -19.93	32.95 0.17 -28.59	35.94 0.21 -30.59	29.23 0.27 -22.62	23.06 0.30 -15.72	22.46 0.27 -15.69	21.93 0.26 -15.11	21.25 0.28 -14.09	21.48 0.33 -13.06	22.49 0.30 -14.67	25.44 0.29 -18.00	26.24 0.41 -16.02	35.15 0.31 -27.40	36.59 0.37 -27.71	37.66 0.52 -24.92	38.92 0.37 -30.24	34.11 0.38 -24.66	24.81 0.52 -12.14	22.90 0.38 -13.35
BETHLEHEM___GS3 323562	23.83 0.22 -18.43	22.06 0.22 -16.74	21.32 0.20 -16.51	21.36 0.12 -18.49	21.84 0.13 -18.62	24.19 0.18 -19.93	32.95 0.17 -28.59	35.94 0.21 -30.59	29.23 0.27 -22.62	23.06 0.30 -15.72	22.46 0.27 -15.69	21.93 0.26 -15.11	21.25 0.28 -14.09	21.48 0.33 -13.06	22.49 0.30 -14.67	25.44 0.29 -18.00	26.24 0.41 -16.02	35.15 0.31 -27.40	36.59 0.37 -27.71	37.66 0.52 -24.92	38.92 0.37 -30.24	34.11 0.38 -24.66	24.81 0.52 -12.14	22.90 0.38 -13.35
BETHLEHEM___STEEL 23779	7.80 -0.07 -2.69	7.43 -0.11 -2.44	6.91 -0.11 -2.41	5.39 -0.06 -2.70	5.75 -0.06 -2.72	6.91 -0.08 -2.91	8.29 -0.07 -4.17	9.47 -0.14 -4.46	9.50 -0.15 -3.30	9.15 -0.19 -2.29	8.62 -0.17 -2.29	8.57 -0.18 -2.21	8.74 -0.19 -2.06	9.84 -0.15 -1.91	9.49 -0.19 -2.15	9.70 -0.14 -2.68	11.97 -0.20 -2.35	11.41 -0.11 -4.09	12.57 -0.08 -4.13	15.66 -0.24 -3.69	12.69 -0.12 -4.50	12.55 -0.18 -3.66	13.63 -0.29 -1.77	10.84 -0.28 -1.95
BETHLHEM_115KV_TB1 79974	23.82 0.22 -18.42	22.05 0.21 -16.73	21.31 0.19 -16.50	21.35 0.12 -18.48	21.83 0.13 -18.61	24.17 0.17 -19.92	32.92 0.17 -28.56	35.92 0.20 -30.58	29.22 0.26 -22.61	23.05 0.29 -15.71	22.45 0.27 -15.68	21.92 0.26 -15.11	21.23 0.28 -14.08	21.47 0.33 -13.06	22.48 0.30 -14.67	25.45 0.29 -18.01	26.24 0.40 -16.02	35.17 0.30 -27.43	36.61 0.36 -27.74	37.67 0.51 -24.94	38.93 0.35 -30.27	34.12 0.37 -24.68	24.80 0.51 -12.14	22.89 0.37 -13.35
BETHPAGE_CC_5 323564	27.30 0.47 -21.65	21.63 0.45 -16.08	21.80 0.39 -16.79	20.10 0.23 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.70 0.36 -25.15	30.96 0.42 -25.40	28.58 0.60 -21.63	28.01 0.69 -20.28	26.39 0.62 -19.27	26.40 0.64 -19.21	26.07 0.67 -18.52	26.42 0.79 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.81 0.90 -19.10	34.24 0.71 -26.09	37.80 0.83 -28.46	41.13 1.11 -27.81	42.08 0.78 -32.99	34.31 0.83 -24.40	28.20 1.12 -14.94	26.07 0.83 -16.07
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	7.84 -0.08 -2.74	7.46 -0.13 -2.49	6.94 -0.12 -2.45	5.43 -0.07 -2.75	5.78 -0.07 -2.77	6.95 -0.09 -2.96	8.35 -0.08 -4.25	9.54 -0.15 -4.54	9.54 -0.17 -3.36	9.18 -0.20 -2.34	8.65 -0.18 -2.33	8.60 -0.20 -2.25	8.77 -0.20 -2.09	9.86 -0.16 -1.94	9.51 -0.20 -2.19	9.73 -0.15 -2.73	11.99 -0.22 -2.40	11.48 -0.13 -4.17	12.62 -0.10 -4.21	15.69 -0.28 -3.76	12.72 -0.14 -4.55	12.58 -0.20 -3.70	13.61 -0.33 -1.79	10.84 -0.30 -1.97
BINGHAMTON___COGEN 23790	10.10 0.11 -4.81	9.56 0.09 -4.37	9.00 0.08 -4.31	7.63 0.05 -4.83	8.01 0.06 -4.86	9.37 0.08 -5.20	11.75 0.09 -7.46	13.23 0.10 -7.99	12.38 0.13 -5.91	11.29 0.14 -4.11	10.73 0.13 -4.10	10.62 0.12 -3.95	10.69 0.14 -3.68	11.66 0.17 -3.41	11.53 0.16 -3.86	12.10 0.15 -4.80	14.26 0.22 -4.24	14.97 0.17 -7.36	16.09 0.21 -7.37	19.08 0.28 -6.58	16.52 0.19 -8.02	15.79 0.19 -6.53	15.53 0.22 -3.16	12.83 0.17 -3.48
BIXINCNT_115KV_LOAD 355685	7.90 -0.15 -2.86	7.51 -0.19 -2.60	6.99 -0.19 -2.57	5.52 -0.11 -2.87	5.86 -0.13 -2.89	7.02 -0.16 -3.10	8.49 -0.14 -4.44	9.70 -0.20 -4.75	9.65 -0.21 -3.52	9.24 -0.25 -2.44	8.71 -0.23 -2.44	8.65 -0.25 -2.35	8.82 -0.25 -2.19	9.90 -0.22 -2.03	9.56 -0.26 -2.30	9.83 -0.18 -2.86	12.09 -0.25 -2.52	11.67 -0.15 -4.38	12.77 -0.14 -4.41	15.82 -0.33 -3.94	12.93 -0.17 -4.78	12.72 -0.25 -3.89	13.63 -0.40 -1.89	10.87 -0.38 -2.08
BLACK RIVER___HYD 24047	6.20 0.06 -0.95	6.01 0.05 -0.86	5.24 0.05 -0.57	3.73 0.02 -0.95	3.99 0.03 -0.87	4.80 0.06 -0.66	5.31 0.03 -1.08	6.29 0.04 -1.11	6.83 0.01 -0.48	7.12 -0.01 -0.09	7.01 -0.05 -0.56	7.08 0.00 -0.53	6.96 -0.03 -0.11	7.73 -0.09 0.27	7.75 -0.10 -0.33	7.26 -0.10 -0.21	9.34 -0.08 0.39	8.43 -0.04 -1.04	9.34 -0.03 -0.86	13.61 0.10 -1.30	9.92 0.03 -1.59	9.31 0.04 -0.20	11.09 0.07 1.13	8.73 0.08 0.52

BLACKRVR_115KV_TB2 79977	6.20 0.06 -0.95	6.01 0.05 -0.86	5.24 0.05 -0.57	3.73 0.02 -0.95	3.99 0.03 -0.87	4.80 0.06 -0.66	5.31 0.03 -1.08	6.29 0.04 -1.11	6.83 0.01 -0.48	7.12 -0.01 -0.09	7.04 -0.02 -0.56	7.08 0.00 -0.53	6.96 -0.03 -0.11	7.73 -0.09 0.27	7.74 -0.10 -0.32	7.25 -0.10 -0.20	9.33 -0.08 0.40	8.43 -0.04 -1.03	9.38 0.02 -0.85	13.62 0.10 -1.31	9.97 0.07 -1.59	9.30 0.04 -0.19	11.07 0.07 1.15	8.72 0.08 0.53
BLISS_WT_PWR 323608	7.85 -0.19 -2.86	7.47 -0.23 -2.60	6.95 -0.23 -2.57	5.49 -0.13 -2.87	5.83 -0.15 -2.89	6.99 -0.20 -3.10	8.46 -0.18 -4.44	9.66 -0.24 -4.75	9.62 -0.24 -3.52	9.20 -0.29 -2.44	8.70 -0.24 -2.44	8.62 -0.28 -2.35	8.78 -0.29 -2.19	9.86 -0.26 -2.03	9.52 -0.29 -2.30	9.81 -0.20 -2.86	12.07 -0.26 -2.52	11.65 -0.16 -4.38	12.68 -0.22 -4.39	15.78 -0.35 -3.92	12.85 -0.23 -4.77	12.69 -0.26 -3.88	13.59 -0.44 -1.88	10.83 -0.41 -2.07
BLUE_CIRC_CHEM_DRP 24182	23.54 0.23 -18.13	21.79 0.22 -16.47	21.06 0.20 -16.24	21.06 0.12 -18.19	21.54 0.14 -18.32	23.87 0.18 -19.60	32.46 0.18 -28.09	35.42 0.21 -30.08	28.84 0.26 -22.24	22.78 0.27 -15.46	22.18 0.25 -15.43	21.66 0.25 -14.86	20.99 0.26 -13.85	21.23 0.31 -12.84	22.25 0.28 -14.45	25.24 0.27 -17.82	26.02 0.39 -15.82	34.94 0.30 -27.20	36.32 0.36 -27.45	37.36 0.51 -24.64	38.60 0.36 -29.93	33.84 0.38 -24.39	24.62 0.52 -11.95	22.69 0.38 -13.14
BOC_GAS_DRP 24189	23.74 0.19 -18.38	21.98 0.18 -16.69	21.24 0.17 -16.46	21.29 0.10 -18.44	21.77 0.11 -18.57	24.09 0.14 -19.87	32.80 0.14 -28.47	35.79 0.17 -30.48	29.11 0.22 -22.54	22.96 0.25 -15.67	22.36 0.23 -15.63	21.84 0.23 -15.06	21.15 0.24 -14.04	21.39 0.29 -13.02	22.43 0.26 -14.65	25.46 0.25 -18.06	26.19 0.34 -16.03	35.27 0.26 -27.57	36.64 0.30 -27.83	37.63 0.44 -24.98	38.95 0.29 -30.34	34.12 0.32 -24.73	24.70 0.44 -12.11	22.80 0.31 -13.32
BOONVILLE_115KV_TB1 79983	5.87 0.09 -0.60	5.73 0.08 -0.55	5.12 0.06 -0.43	3.40 0.04 -0.61	3.71 0.05 -0.57	4.66 0.07 -0.51	5.03 0.05 -0.79	6.03 0.06 -0.82	6.88 0.06 -0.48	7.33 0.05 -0.24	6.97 0.05 -0.42	7.02 0.07 -0.40	7.16 0.06 -0.23	8.19 0.04 -0.07	7.85 0.02 -0.31	7.46 -0.01 -0.31	9.90 0.03 -0.05	8.23 0.03 -0.76	9.29 0.09 -0.69	13.20 0.16 -0.83	9.43 0.11 -1.01	9.54 0.07 -0.40	11.98 0.12 0.28	9.24 0.10 0.03
BORALEX_4TH_BRANCH 23824	23.89 0.26 -18.45	22.10 0.24 -16.76	21.36 0.21 -16.53	21.39 0.13 -18.51	21.89 0.15 -18.64	24.23 0.20 -19.95	33.02 0.20 -28.63	36.01 0.23 -30.64	29.30 0.29 -22.66	23.09 0.30 -15.75	22.49 0.27 -15.72	21.92 0.26 -15.12	21.25 0.27 -14.11	21.50 0.33 -13.09	22.35 0.28 -14.55	24.91 0.29 -17.47	25.96 0.42 -15.72	34.00 0.32 -26.24	35.82 0.39 -26.92	37.24 0.56 -24.46	38.20 0.38 -29.51	33.60 0.41 -24.12	24.84 0.55 -12.14	22.92 0.39 -13.35
BOWLINE___1 23526	20.41 0.32 -14.90	18.95 0.31 -13.54	18.23 0.26 -13.35	17.86 0.16 -14.95	18.33 0.19 -15.06	20.43 0.23 -16.12	27.55 0.24 -23.12	30.20 0.31 -24.75	25.07 0.43 -18.30	20.26 0.50 -12.72	19.65 0.46 -12.69	19.28 0.48 -12.26	18.77 0.50 -11.40	19.24 0.59 -10.57	20.15 0.57 -12.06	23.03 0.52 -15.35	23.90 0.67 -13.42	31.84 0.51 -23.89	32.70 0.58 -23.61	33.91 0.82 -20.88	34.44 0.55 -25.57	30.42 0.58 -20.77	22.78 0.79 -9.84	20.55 0.56 -10.82
BOWLINE___2 23595	20.41 0.32 -14.91	18.95 0.31 -13.54	18.23 0.26 -13.35	17.86 0.16 -14.96	18.34 0.19 -15.06	20.43 0.23 -16.12	27.55 0.24 -23.12	30.20 0.31 -24.75	25.07 0.43 -18.30	20.27 0.50 -12.72	19.65 0.46 -12.70	19.28 0.48 -12.26	18.77 0.50 -11.40	19.24 0.59 -10.57	20.15 0.57 -12.06	23.03 0.52 -15.36	23.90 0.67 -13.42	31.84 0.51 -23.89	32.70 0.58 -23.61	33.91 0.82 -20.88	34.44 0.55 -25.58	30.42 0.58 -20.77	22.78 0.79 -9.84	20.55 0.56 -10.82
BRADY___115KV_TB2 356060	5.06 -0.12 0.00	4.99 -0.11 0.00	3.21 -0.10 1.31	2.69 -0.06 0.00	2.59 -0.07 0.43	2.25 -0.09 1.74	2.25 -0.10 1.84	2.81 -0.11 2.22	2.93 -0.18 3.24	3.44 -0.22 3.39	5.12 -0.21 1.16	5.18 -0.21 1.16	3.72 -0.26 2.89	3.34 -0.34 4.40	5.13 -0.32 2.07	3.34 -0.31 3.50	3.57 -0.42 5.82	5.13 -0.32 1.99	5.29 -0.36 2.86	11.74 -0.48 0.00	8.00 -0.30 0.01	3.57 -0.31 5.19	3.46 -0.35 8.33	3.18 -0.26 5.74
BRANSCOMB___SOLAR 323811	24.46 0.27 -19.00	22.63 0.26 -17.27	21.87 0.23 -17.02	21.96 0.14 -19.07	22.45 0.16 -19.20	24.85 0.22 -20.55	33.91 0.23 -29.48	37.01 0.27 -31.60	30.03 0.32 -23.36	23.62 0.33 -16.24	23.01 0.31 -16.21	22.44 0.29 -15.61	21.74 0.31 -14.55	21.94 0.36 -13.49	22.97 0.33 -15.13	25.97 0.33 -18.49	26.78 0.48 -16.49	35.91 0.38 -28.09	37.43 0.45 -28.47	38.53 0.66 -25.65	39.90 0.49 -31.09	34.96 0.52 -25.37	25.35 0.67 -12.53	23.42 0.47 -13.78
BRENTWOD_69_KV_W. BRTWOOD 56703	27.33 0.50 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.12 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.72 0.38 -25.15	30.97 0.43 -25.40	28.62 0.64 -21.63	28.05 0.73 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.76 0.75 -18.49	26.80 0.72 -18.93	29.86 0.95 -19.10	34.29 0.76 -26.09	37.76 0.79 -28.46	41.20 1.17 -27.81	42.06 0.76 -32.99	34.38 0.91 -24.40	28.24 1.15 -14.94	26.10 0.85 -16.07
BRISTLHL_115KV_TB1 79998	6.63 -0.03 -1.47	6.40 -0.04 -1.34	5.90 -0.04 -1.32	4.21 -0.02 -1.48	4.55 -0.03 -1.49	5.65 -0.02 -1.59	6.46 -0.02 -2.29	7.56 -0.03 -2.45	8.13 -0.03 -1.81	8.28 -0.03 -1.26	7.73 -0.02 -1.26	7.73 -0.03 -1.21	7.98 -0.03 -1.13	9.10 -0.03 -1.05	8.68 -0.02 -1.18	8.59 -0.03 -1.47	11.09 -0.02 -1.30	9.69 -0.01 -2.26	10.79 0.01 -2.27	14.23 -0.01 -2.03	10.78 0.00 -2.47	11.06 -0.03 -2.01	13.08 -0.04 -0.97	10.27 0.03 -1.07
BROOKHAVEN___DRP 24191	27.34 0.50 -21.65	21.68 0.49 -16.08	21.83 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.37 -22.11	29.73 0.39 -25.15	30.99 0.45 -25.40	28.63 0.65 -21.63	28.06 0.74 -20.28	26.42 0.66 -19.27	26.43 0.67 -19.21	26.11 0.71 -18.52	26.46 0.83 -17.54	26.79 0.77 -18.49	26.86 0.78 -18.93	29.91 1.00 -19.10	34.32 0.80 -26.09	37.77 0.80 -28.46	41.21 1.18 -27.81	42.07 0.76 -32.99	34.44 0.96 -24.40	28.29 1.20 -14.94	26.11 0.86 -16.07
BROOKLYN_NAVY_YARD 23515	20.83 0.35 -15.29	19.33 0.34 -13.89	18.60 0.28 -13.70	18.26 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.06 0.53 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.55 0.58 -24.53	33.40 0.65 -24.24	34.52 0.88 -21.43	35.16 0.59 -26.25	31.04 0.64 -21.32	23.13 0.89 -10.10	20.91 0.63 -11.10
BROOKLYN___ARMY_DRP 323595	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.16 0.59 -26.26	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10

BROOKVLE_69_KV_TB1 55790	27.27 0.44 -21.65	21.61 0.43 -16.08	21.77 0.37 -16.79	20.08 0.22 -17.11	21.00 0.25 -17.65	26.52 0.32 -22.11	29.68 0.34 -25.15	30.95 0.41 -25.40	28.56 0.58 -21.63	28.00 0.68 -20.28	26.38 0.61 -19.27	26.39 0.63 -19.21	26.06 0.66 -18.52	26.41 0.78 -17.54	26.77 0.76 -18.49	26.79 0.71 -18.93	29.82 0.91 -19.10	34.23 0.70 -26.09	37.70 0.73 -28.46	41.09 1.06 -27.81	41.99 0.69 -32.99	34.26 0.79 -24.40	28.16 1.08 -14.94	26.02 0.78 -16.07
BROOME_2_LFGE 323671	10.10 0.10 -4.81	9.56 0.09 -4.37	9.00 0.08 -4.31	7.63 0.05 -4.83	8.01 0.06 -4.86	9.37 0.08 -5.20	11.75 0.09 -7.46	13.23 0.10 -7.99	12.38 0.13 -5.91	11.29 0.14 -4.11	10.73 0.13 -4.10	10.62 0.12 -3.95	10.69 0.14 -3.68	11.66 0.17 -3.41	11.53 0.16 -3.86	12.10 0.15 -4.80	14.26 0.22 -4.24	14.97 0.17 -7.36	16.08 0.19 -7.38	19.09 0.28 -6.59	16.52 0.17 -8.03	15.80 0.19 -6.53	15.53 0.22 -3.17	12.83 0.17 -3.48
BROOME__LFGE 323600	10.10 0.10 -4.81	9.56 0.09 -4.37	9.00 0.08 -4.31	7.63 0.05 -4.83	8.01 0.06 -4.86	9.37 0.08 -5.20	11.75 0.09 -7.46	13.23 0.10 -7.99	12.38 0.13 -5.91	11.29 0.14 -4.11	10.73 0.13 -4.10	10.62 0.12 -3.95	10.69 0.14 -3.68	11.66 0.17 -3.41	11.53 0.16 -3.86	12.10 0.15 -4.80	14.26 0.22 -4.24	14.97 0.17 -7.36	16.08 0.19 -7.38	19.09 0.28 -6.59	16.52 0.17 -8.03	15.80 0.19 -6.53	15.53 0.22 -3.17	12.83 0.17 -3.48
BROWNFLS_115KV_TB_3_5 80003	5.60 -0.07 -0.49	5.48 -0.07 -0.45	4.21 -0.08 0.32	3.20 -0.05 -0.49	3.28 -0.05 -0.24	3.53 -0.07 0.49	3.80 -0.08 0.31	4.57 -0.10 0.48	4.91 -0.15 1.29	5.30 -0.19 1.56	6.05 -0.19 0.26	6.10 -0.18 0.27	5.32 -0.25 1.31	5.52 -0.34 2.22	6.35 -0.35 0.82	5.25 -0.34 1.56	6.41 -0.44 2.96	6.69 -0.33 0.42	7.25 -0.34 0.92	12.44 -0.44 -0.67	8.84 -0.27 -0.80	6.41 -0.30 2.36	7.30 -0.32 4.53	5.98 -0.20 2.99
BROWNSV1_27_KV_LOAD 356125	20.87 0.39 -15.29	19.37 0.38 -13.89	18.63 0.32 -13.70	18.29 0.19 -15.34	18.76 0.22 -15.45	20.90 0.28 -16.54	28.21 0.29 -23.72	30.93 0.39 -25.39	25.67 0.55 -18.78	20.74 0.64 -13.05	20.11 0.59 -13.03	19.73 0.61 -12.58	19.21 0.64 -11.69	19.69 0.76 -10.84	20.63 0.73 -12.38	23.57 0.66 -15.76	24.41 0.82 -13.77	32.62 0.65 -24.53	33.46 0.71 -24.24	34.65 1.00 -21.43	35.22 0.65 -26.26	31.13 0.74 -21.32	23.23 0.98 -10.10	20.98 0.71 -11.10
BURROWS__LYONSDAL 23803	5.88 0.07 -0.62	5.73 0.06 -0.56	5.05 0.05 -0.39	3.40 0.03 -0.62	3.70 0.03 -0.57	4.59 0.05 -0.45	4.95 0.03 -0.73	5.94 0.04 -0.75	6.73 0.03 -0.35	7.16 0.01 -0.10	6.89 0.01 -0.38	6.94 0.03 -0.36	7.00 0.01 -0.11	7.94 -0.02 0.12	7.72 -0.03 -0.23	7.28 -0.05 -0.18	9.58 -0.04 0.19	8.12 -0.02 -0.70	9.14 0.03 -0.59	13.15 0.09 -0.85	9.41 0.06 -1.04	9.29 0.03 -0.19	11.56 0.06 0.64	8.96 0.06 0.27
CAITHNESS_CC_1 323624	27.32 0.49 -21.65	21.66 0.48 -16.08	21.82 0.42 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.72 0.38 -25.15	30.97 0.43 -25.40	28.61 0.63 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.76 0.75 -18.49	26.81 0.73 -18.93	29.88 0.97 -19.10	34.29 0.77 -26.09	37.87 0.90 -28.46	41.17 1.15 -27.81	42.15 0.85 -32.99	34.39 0.92 -24.40	28.24 1.15 -14.94	26.08 0.83 -16.07
CALPINE BETH_PAGE_GT4 24209	27.30 0.47 -21.65	21.63 0.45 -16.08	21.80 0.39 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.70 0.36 -25.15	30.95 0.41 -25.40	28.57 0.60 -21.63	28.01 0.68 -20.28	26.39 0.62 -19.27	26.40 0.64 -19.21	26.06 0.67 -18.52	26.41 0.78 -17.54	26.76 0.74 -18.49	26.78 0.70 -18.93	29.79 0.88 -19.10	34.22 0.69 -26.09	37.70 0.73 -28.46	41.10 1.07 -27.81	41.99 0.69 -32.99	34.28 0.81 -24.40	28.19 1.11 -14.94	26.07 0.83 -16.07
CALPINE_BETH_PAGE_GT_4 323586	27.30 0.47 -21.65	21.63 0.45 -16.08	21.80 0.39 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.70 0.36 -25.15	30.95 0.41 -25.40	28.57 0.60 -21.63	28.01 0.68 -20.28	26.39 0.62 -19.27	26.40 0.64 -19.21	26.06 0.67 -18.52	26.41 0.78 -17.54	26.76 0.74 -18.49	26.79 0.71 -18.93	29.79 0.88 -19.10	34.22 0.69 -26.09	37.78 0.81 -28.46	41.10 1.07 -27.81	42.06 0.76 -32.99	34.28 0.81 -24.40	28.19 1.11 -14.94	26.07 0.83 -16.07
CALPINE_BP_GT1 23823	27.30 0.47 -21.65	21.63 0.45 -16.08	21.80 0.39 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.70 0.36 -25.15	30.95 0.41 -25.40	28.57 0.60 -21.63	28.01 0.68 -20.28	26.39 0.62 -19.27	26.40 0.64 -19.21	26.06 0.67 -18.52	26.41 0.78 -17.54	26.76 0.74 -18.49	26.79 0.71 -18.93	29.79 0.88 -19.10	34.22 0.69 -26.09	37.78 0.81 -28.46	41.10 1.07 -27.81	42.06 0.76 -32.99	34.28 0.81 -24.40	28.19 1.11 -14.94	26.07 0.83 -16.07
CALSPAN__DRP 24200	7.80 -0.07 -2.69	7.43 -0.11 -2.44	6.91 -0.11 -2.41	5.39 -0.06 -2.70	5.75 -0.06 -2.72	6.91 -0.08 -2.91	8.29 -0.07 -4.17	9.47 -0.14 -4.46	9.50 -0.15 -3.30	9.15 -0.19 -2.29	8.62 -0.17 -2.29	8.57 -0.18 -2.21	8.74 -0.19 -2.06	9.84 -0.15 -1.91	9.49 -0.19 -2.15	9.70 -0.14 -2.68	11.97 -0.20 -2.35	11.41 -0.11 -4.09	12.57 -0.08 -4.13	15.66 -0.24 -3.69	12.69 -0.12 -4.50	12.55 -0.18 -3.66	13.63 -0.29 -1.77	10.84 -0.28 -1.95
CALVERTON__SOLAR 323806	27.35 0.52 -21.65	21.69 0.51 -16.08	21.85 0.44 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.40 -25.15	31.01 0.47 -25.40	28.65 0.68 -21.63	28.09 0.77 -20.28	26.45 0.68 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.82 0.80 -18.49	26.87 0.79 -18.93	29.97 1.06 -19.10	34.37 0.84 -26.09	37.96 0.99 -28.46	41.27 1.25 -27.81	42.23 0.93 -32.99	34.49 1.02 -24.40	28.33 1.25 -14.94	26.14 0.90 -16.07
CANDIGU_WT_PWR 323617	8.67 -0.04 -3.53	8.24 -0.07 -3.20	7.70 -0.07 -3.16	6.25 -0.04 -3.54	6.61 -0.04 -3.56	7.85 -0.05 -3.81	9.63 -0.04 -5.47	10.92 -0.08 -5.86	10.60 -0.08 -4.33	9.96 -0.09 -3.01	9.43 -0.07 -3.01	9.34 -0.11 -2.90	9.47 -0.10 -2.70	10.51 -0.07 -2.50	10.26 -0.08 -2.83	10.61 -0.06 -3.52	12.86 0.04 -3.01	12.73 0.05 -5.24	13.81 0.05 -5.25	16.97 0.07 -4.69	14.05 0.03 -5.71	13.74 0.02 -4.65	14.35 -0.05 -2.25	11.59 -0.06 -2.48
CARR STREET_E_SYR 24060	6.78 0.01 -1.60	6.55 -0.01 -1.45	6.03 -0.01 -1.43	4.35 -0.01 -1.60	4.70 -0.01 -1.61	5.82 0.00 -1.73	6.68 0.01 -2.48	7.81 0.01 -2.65	8.33 0.02 -1.96	8.44 0.03 -1.36	7.88 0.03 -1.36	7.88 0.02 -1.31	8.13 0.03 -1.22	9.25 0.03 -1.13	8.83 0.03 -1.28	8.77 0.02 -1.59	11.26 0.04 -1.41	9.93 0.04 -2.45	10.99 0.03 -2.46	14.47 0.06 -2.19	11.00 0.02 -2.67	11.27 0.02 -2.18	13.22 0.02 -1.05	10.39 0.06 -1.16
CARTHAGE__PAPER 23857	6.06 0.03 -0.85	5.89 0.02 -0.77	5.06 0.00 -0.43	3.61 0.00 -0.85	3.85 0.01 -0.75	4.59 0.02 -0.48	5.05 0.00 -0.86	6.00 -0.01 -0.86	6.54 -0.04 -0.23	6.85 -0.08 0.12	6.83 -0.10 -0.43	6.89 -0.07 -0.41	6.70 -0.10 0.07	7.41 -0.17 0.50	7.52 -0.17 -0.17	6.96 -0.17 0.02	8.95 0.04 0.69	8.13 -0.12 -0.81	9.00 -0.11 -0.60	13.32 -0.06 -1.17	9.67 -0.06 -1.42	8.89 -0.05 0.13	10.60 -0.05 1.50	8.35 -0.02 0.80

CASSADAGA_WT_PWR 323784	7.82 -0.17 -2.80	7.43 -0.21 -2.54	6.90 -0.22 -2.51	5.43 -0.13 -2.81	5.78 -0.14 -2.83	6.93 -0.18 -3.03	8.36 -0.17 -4.34	9.55 -0.24 -4.65	9.51 -0.27 -3.44	9.13 -0.30 -2.39	8.64 -0.25 -2.38	8.57 -0.27 -2.30	8.74 -0.28 -2.14	9.82 -0.25 -1.99	9.48 -0.28 -2.24	9.74 -0.20 -2.79	12.01 -0.26 -2.46	11.61 -0.10 -4.28	12.71 -0.09 -4.28	15.87 -0.17 -3.83	12.83 -0.14 -4.66	12.70 -0.16 -3.79	13.60 -0.39 -1.84	10.82 -0.38 -2.02
CE_DUNWOOD___DRP 24194	20.79 0.34 -15.27	19.30 0.33 -13.87	18.57 0.28 -13.68	18.24 0.17 -15.32	18.71 0.19 -15.43	20.83 0.24 -16.51	28.13 0.25 -23.68	30.82 0.33 -25.35	25.54 0.45 -18.74	20.60 0.53 -13.03	19.99 0.49 -13.00	19.61 0.50 -12.55	19.08 0.53 -11.67	19.53 0.62 -10.83	20.48 0.60 -12.36	23.44 0.55 -15.74	24.26 0.70 -13.75	32.48 0.55 -24.49	33.31 0.60 -24.20	34.47 0.85 -21.40	35.08 0.56 -26.21	30.97 0.62 -21.28	23.05 0.83 -10.08	20.85 0.60 -11.09
CE_MILLWOOD___DRP 24193	20.73 0.33 -15.22	19.25 0.32 -13.83	18.52 0.27 -13.63	18.19 0.16 -15.27	18.66 0.19 -15.38	20.78 0.23 -16.46	28.04 0.24 -23.61	30.73 0.32 -25.27	25.47 0.44 -18.69	20.54 0.51 -12.99	19.93 0.47 -12.96	19.55 0.48 -12.52	19.02 0.51 -11.64	19.47 0.60 -10.79	20.42 0.58 -12.32	23.37 0.53 -15.69	24.19 0.68 -13.71	32.38 0.53 -24.41	33.20 0.57 -24.12	34.37 0.83 -21.33	34.98 0.54 -26.13	30.89 0.60 -21.22	23.00 0.80 -10.05	20.79 0.57 -11.05
CE_NYC2_DRP 24202	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.17 0.26 -23.72	30.89 0.35 -25.39	25.63 0.50 -18.78	20.69 0.59 -13.05	20.08 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.61 -15.76	24.35 0.77 -13.77	32.56 0.60 -24.53	33.39 0.64 -24.24	34.54 0.89 -21.43	35.14 0.57 -26.26	31.06 0.67 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
CE_NYC_DRP 24195	20.84 0.36 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.63 0.50 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.57 0.60 -24.53	33.40 0.65 -24.24	34.56 0.92 -21.43	35.16 0.59 -26.26	31.06 0.66 -21.32	23.15 0.91 -10.10	20.93 0.65 -11.10
CHAFFEE___LFGE 323603	7.85 -0.11 -2.78	7.48 -0.14 -2.52	6.97 -0.14 -2.49	5.47 -0.07 -2.79	5.82 -0.08 -2.81	6.98 -0.11 -3.00	8.41 -0.10 -4.31	9.59 -0.16 -4.61	9.58 -0.18 -3.41	9.20 -0.22 -2.37	8.69 -0.18 -2.37	8.62 -0.22 -2.28	8.78 -0.22 -2.12	9.87 -0.19 -1.97	9.53 -0.22 -2.23	9.75 -0.17 -2.77	12.01 -0.24 -2.44	11.53 -0.14 -4.24	12.56 -0.20 -4.24	15.69 -0.32 -3.79	12.70 -0.23 -4.62	12.60 -0.23 -3.76	13.61 -0.35 -1.82	10.85 -0.33 -2.00
CHATEAUG_35_KV_LOAD 355732	5.05 -0.13 0.00	4.93 -0.17 0.00	2.98 -0.22 1.41	2.60 -0.15 0.00	2.43 -0.19 0.47	1.94 -0.26 1.88	1.93 -0.28 1.98	2.46 -0.29 2.39	2.49 -0.36 3.50	3.02 -0.37 3.65	4.90 -0.34 1.26	4.97 -0.33 1.25	3.40 -0.36 3.12	2.87 -0.46 4.75	4.87 -0.44 2.21	3.01 -0.41 3.74	3.04 -0.57 6.21	4.92 -0.39 2.13	5.01 -0.44 3.05	11.60 -0.61 0.00	7.90 -0.40 0.01	3.07 -0.47 5.54	2.49 -0.77 8.89	2.45 -0.61 6.12
CHATEAUG_WT_PWR 323614	5.05 -0.13 0.00	4.92 -0.18 0.00	2.96 -0.22 1.44	2.60 -0.16 0.00	2.42 -0.19 0.48	1.90 -0.27 1.92	1.89 -0.29 2.02	2.40 -0.30 2.44	2.42 -0.36 3.57	2.94 -0.38 3.73	4.87 -0.34 1.28	4.95 -0.33 1.28	3.34 -0.36 3.18	2.78 -0.45 4.85	4.82 -0.44 2.25	2.92 -0.41 3.81	2.91 -0.57 6.33	4.88 -0.39 2.17	4.98 -0.42 3.12	11.59 -0.62 0.00	7.93 -0.37 0.01	2.94 -0.48 5.65	2.28 -0.79 9.07	2.30 -0.62 6.25
CHAT_HIGH_FALL_HYD 323578	5.05 -0.13 0.00	4.93 -0.17 0.00	2.98 -0.22 1.41	2.60 -0.15 0.00	2.43 -0.19 0.47	1.95 -0.26 1.88	1.93 -0.28 1.98	2.46 -0.29 2.39	2.49 -0.36 3.50	3.02 -0.37 3.65	4.90 -0.34 1.26	4.97 -0.33 1.25	3.40 -0.36 3.12	2.87 -0.46 4.75	4.86 -0.44 2.21	3.00 -0.41 3.74	3.03 -0.57 6.21	4.92 -0.39 2.13	5.04 -0.41 3.06	11.60 -0.61 0.00	7.93 -0.37 0.01	3.06 -0.47 5.54	2.48 -0.76 8.90	2.44 -0.61 6.13
CHAUTAUQUA___LFGE 323629	7.83 -0.09 -2.74	7.46 -0.13 -2.49	6.94 -0.14 -2.46	5.43 -0.08 -2.75	5.78 -0.08 -2.77	6.94 -0.11 -2.97	8.35 -0.10 -4.25	9.54 -0.16 -4.55	9.54 -0.17 -3.37	9.18 -0.20 -2.34	8.68 -0.16 -2.34	8.61 -0.20 -2.25	8.78 -0.19 -2.10	9.88 -0.15 -1.95	9.53 -0.19 -2.20	9.75 -0.14 -2.74	12.04 -0.18 -2.40	11.54 -0.07 -4.18	12.65 -0.05 -4.19	15.83 -0.12 -3.74	12.76 -0.11 -4.56	12.67 -0.11 -3.71	13.70 -0.24 -1.80	10.90 -0.25 -1.98
CHERRYST_13_KV_LD 356241	20.85 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.28 0.18 -15.34	18.75 0.21 -15.45	20.89 0.27 -16.54	28.19 0.28 -23.72	30.91 0.38 -25.39	25.65 0.53 -18.78	20.72 0.62 -13.05	20.09 0.57 -13.03	19.72 0.60 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.61 0.71 -12.38	23.54 0.63 -15.76	24.37 0.78 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.60 0.95 -21.43	35.18 0.62 -26.26	31.08 0.69 -21.32	23.18 0.94 -10.10	20.95 0.68 -11.10
CHESTROR_138KV_BK263 355645	19.68 0.29 -14.21	18.29 0.28 -12.91	17.58 0.24 -12.73	17.15 0.14 -14.26	17.61 0.17 -14.36	19.65 0.20 -15.36	26.44 0.21 -22.04	29.01 0.27 -23.59	24.17 0.37 -17.44	19.61 0.44 -12.12	19.00 0.40 -12.10	18.65 0.42 -11.68	18.17 0.43 -10.86	18.67 0.51 -10.08	19.51 0.50 -11.50	22.23 0.46 -14.62	23.18 0.59 -12.78	30.63 0.45 -22.74	31.50 0.50 -22.48	32.82 0.72 -19.89	33.16 0.48 -24.36	29.37 0.52 -19.78	22.23 0.70 -9.38	19.99 0.50 -10.31
CH_MIDHUDSON___DRP 24192	20.95 0.31 -15.46	19.45 0.30 -14.05	18.73 0.26 -13.85	18.42 0.15 -15.51	18.90 0.18 -15.62	21.03 0.22 -16.72	28.40 0.23 -23.99	31.11 0.29 -25.68	25.73 0.40 -18.98	20.70 0.46 -13.20	20.08 0.42 -13.17	19.70 0.44 -12.71	19.15 0.45 -11.82	19.58 0.53 -10.96	20.51 0.51 -12.48	23.43 0.47 -15.81	24.27 0.61 -13.85	32.42 0.47 -24.52	33.34 0.52 -24.31	34.52 0.76 -21.55	35.18 0.51 -26.36	31.04 0.54 -21.42	23.11 0.75 -10.21	20.94 0.54 -11.22
CH_MISC_IPPS 23765	20.75 0.34 -15.23	19.27 0.33 -13.83	18.54 0.28 -13.64	18.20 0.17 -15.28	18.67 0.20 -15.38	20.79 0.24 -16.46	28.06 0.25 -23.62	30.75 0.32 -25.28	25.48 0.44 -18.69	20.53 0.49 -12.99	19.92 0.45 -12.97	19.55 0.48 -12.52	19.00 0.48 -11.64	19.45 0.57 -10.80	20.38 0.56 -12.30	23.27 0.52 -15.61	24.14 0.67 -13.66	32.17 0.51 -24.23	33.10 0.59 -24.00	34.31 0.84 -21.26	34.91 0.58 -26.02	30.82 0.61 -21.13	23.03 0.84 -10.05	20.83 0.61 -11.05
CH_RES_BVR_FALLS 23983	4.95 -0.23 0.00	4.87 -0.23 0.00	1.66 -0.22 2.74	2.62 -0.13 0.00	2.03 -0.15 0.91	0.23 -0.20 3.65	0.14 -0.20 3.85	0.26 -0.24 4.64	-0.74 -0.29 6.80	-0.36 -0.31 7.09	3.78 -0.28 2.44	3.84 -0.27 2.43	0.53 -0.29 6.06	-1.49 -0.35 9.23	2.90 -0.32 4.29	-0.41 -0.31 7.26	-2.66 -0.42 12.05	3.00 -0.31 4.13	2.22 -0.35 5.94	11.71 -0.50 0.00	7.93 -0.36 0.03	-2.09 -0.41 10.76	-5.68 -0.56 17.27	-3.15 -0.43 11.89

CH_RES_NIAGARA 23895	7.50 -0.18 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.15 -0.10 -2.50	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.15 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.31 -0.31 -2.12	8.23 -0.36 -2.04	8.40 -0.38 -1.91	9.49 -0.36 -1.77	9.12 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.89 -0.41 -3.79	15.00 -0.60 -3.39	12.01 -0.42 -4.12	11.98 -0.42 -3.33	13.17 -0.57 -1.60	10.44 -0.50 -1.76
CH_RES_SYRACUSE 23985	6.99 0.05 -1.76	6.73 0.03 -1.60	6.22 0.02 -1.58	4.53 0.01 -1.77	4.89 0.02 -1.78	6.02 0.03 -1.91	6.97 0.04 -2.73	8.12 0.05 -2.93	8.58 0.06 -2.16	8.63 0.08 -1.50	8.07 0.07 -1.50	8.06 0.07 -1.45	8.30 0.08 -1.35	9.41 0.08 -1.25	9.01 0.08 -1.41	8.98 0.07 -1.76	11.48 0.11 -1.56	10.23 0.08 -2.71	11.31 0.09 -2.71	14.78 0.15 -2.42	11.34 0.07 -2.95	11.56 0.08 -2.40	13.41 0.10 -1.17	10.57 0.12 -1.28
CLINTON_WT_PWR 323605	5.05 -0.13 0.00	4.92 -0.18 0.00	2.96 -0.22 1.44	2.60 -0.16 0.00	2.42 -0.19 0.48	1.90 -0.27 1.92	1.89 -0.29 2.02	2.40 -0.30 2.44	2.42 -0.36 3.57	2.94 -0.38 3.73	4.87 -0.34 1.28	4.95 -0.33 1.28	3.34 -0.36 3.18	2.78 -0.45 4.85	4.82 -0.44 2.25	2.92 -0.41 3.81	2.91 -0.57 6.33	4.88 -0.39 2.17	4.98 -0.42 3.12	11.59 -0.62 0.00	7.93 -0.37 0.01	2.94 -0.48 5.65	2.28 -0.79 9.07	2.30 -0.62 6.25
CLINTON___LFGE 323618	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.43	2.62 -0.13 0.00	2.45 -0.17 0.48	1.95 -0.23 1.91	1.94 -0.24 2.01	2.47 -0.25 2.43	2.50 -0.30 3.55	3.02 -0.32 3.71	4.93 -0.29 1.28	5.00 -0.27 1.27	3.41 -0.30 3.17	2.87 -0.40 4.82	4.89 -0.38 2.24	3.00 -0.36 3.79	3.01 -0.50 6.30	4.94 -0.34 2.16	5.06 -0.35 3.10	11.69 -0.52 0.00	8.00 -0.30 0.01	3.04 -0.41 5.62	2.43 -0.69 9.03	2.40 -0.56 6.22
COBBLENY_34_KV_TB1 80064	7.86 -0.10 -2.78	7.48 -0.14 -2.52	6.97 -0.14 -2.49	5.47 -0.07 -2.79	5.82 -0.08 -2.81	6.98 -0.11 -3.00	8.40 -0.10 -4.31	9.59 -0.16 -4.61	9.58 -0.18 -3.41	9.20 -0.22 -2.37	8.67 -0.19 -2.37	8.62 -0.22 -2.28	8.78 -0.22 -2.12	9.87 -0.19 -1.97	9.53 -0.22 -2.23	9.75 -0.17 -2.77	12.00 -0.25 -2.44	11.53 -0.14 -4.24	12.67 -0.12 -4.27	15.71 -0.32 -3.82	12.78 -0.17 -4.64	12.62 -0.23 -3.77	13.62 -0.35 -1.83	10.85 -0.33 -2.01
COFFEEN___115KV_TB3 355620	6.24 0.09 -0.97	6.05 0.07 -0.88	5.29 0.08 -0.60	3.76 0.04 -0.97	4.03 0.05 -0.89	4.85 0.08 -0.69	5.37 0.06 -1.12	6.36 0.07 -1.15	6.91 0.04 -0.52	7.19 0.01 -0.13	7.09 0.01 -0.58	7.14 0.03 -0.56	7.02 0.00 -0.14	7.81 -0.05 0.22	7.80 -0.07 -0.35	7.32 -0.07 -0.24	9.43 -0.03 0.35	8.50 -0.01 -1.07	9.47 0.07 -0.90	13.73 0.18 -1.33	10.05 0.12 -1.62	9.41 0.09 -0.24	11.21 0.15 1.08	8.83 0.14 0.48
COLDSPRG_115KV_BK1 355956	8.05 -0.03 -2.89	7.66 -0.07 -2.63	7.12 -0.09 -2.59	5.60 -0.05 -2.90	5.96 -0.05 -2.92	7.15 -0.06 -3.12	8.64 -0.04 -4.48	9.86 -0.08 -4.80	9.82 -0.08 -3.55	9.43 -0.08 -2.47	8.88 -0.08 -2.46	8.84 -0.09 -2.37	9.00 -0.08 -2.21	10.10 -0.03 -2.05	9.76 -0.08 -2.32	10.01 -0.03 -2.88	12.29 -0.07 -2.55	11.89 0.02 -4.43	13.08 0.08 -4.49	16.18 -0.05 -4.01	13.20 0.00 -4.88	12.99 -0.05 -3.97	13.87 -0.21 -1.93	11.07 -0.22 -2.12
COLONIE_LFGE___ 323577	24.14 0.23 -18.73	22.34 0.22 -17.02	21.59 0.20 -16.78	21.67 0.12 -18.79	22.15 0.14 -18.92	24.52 0.18 -20.25	33.44 0.19 -29.06	36.46 0.22 -31.10	29.62 0.27 -23.00	23.32 0.29 -15.98	22.72 0.27 -15.95	22.16 0.26 -15.36	21.47 0.28 -14.32	21.70 0.33 -13.28	22.68 0.29 -14.87	25.55 0.29 -18.11	26.40 0.41 -16.18	35.20 0.32 -27.45	36.78 0.38 -27.89	37.93 0.55 -25.17	39.16 0.37 -30.48	34.34 0.40 -24.87	25.02 0.53 -12.34	23.12 0.39 -13.56
COOPERNY_115KV_TB1 80082	15.67 0.19 -10.30	14.64 0.18 -9.36	14.00 0.16 -9.22	13.18 0.10 -10.33	13.61 0.11 -10.41	15.36 0.14 -11.14	20.31 0.14 -15.98	22.42 0.18 -17.10	19.24 0.25 -12.64	16.12 0.29 -8.79	15.54 0.27 -8.77	15.29 0.28 -8.46	15.04 0.29 -7.87	15.73 0.34 -7.30	16.15 0.32 -8.31	17.97 0.30 -10.52	19.42 0.39 -9.22	24.04 0.30 -16.30	25.02 0.33 -16.17	27.04 0.49 -14.34	26.17 0.32 -17.54	23.67 0.34 -14.25	19.40 0.46 -6.80	16.99 0.34 -7.47
COPENHAGEN_WT_PWR 323753	6.23 0.05 -1.00	6.05 0.04 -0.91	5.29 0.04 -0.64	3.77 0.02 -1.00	4.04 0.02 -0.93	4.88 0.05 -0.74	5.41 0.03 -1.19	6.40 0.03 -1.23	6.94 0.00 -0.59	7.22 -0.02 -0.19	7.08 -0.05 -0.62	7.14 -0.01 -0.60	7.04 -0.03 -0.20	7.85 -0.08 0.15	7.82 -0.10 -0.40	7.38 -0.09 -0.32	9.49 -0.08 0.24	8.54 -0.04 -1.15	9.47 -0.03 -0.98	13.66 0.07 -1.37	10.00 0.02 -1.67	9.46 0.03 -0.36	11.24 0.05 0.95	8.86 0.07 0.38
CORNELL___ 23752	8.79 0.19 -3.43	8.38 0.17 -3.11	7.83 0.15 -3.07	6.28 0.09 -3.44	6.65 0.10 -3.46	7.94 0.15 -3.71	9.68 0.17 -5.32	11.03 0.20 -5.69	10.79 0.23 -4.21	10.23 0.26 -2.93	9.66 0.24 -2.92	9.61 0.24 -2.81	9.76 0.26 -2.62	10.80 0.28 -2.43	10.56 0.29 -2.75	10.83 0.26 -3.42	13.21 0.36 -3.03	12.99 0.28 -5.27	14.16 0.37 -5.27	17.44 0.51 -4.71	14.41 0.36 -5.74	14.09 0.34 -4.67	14.84 0.43 -2.27	12.00 0.34 -2.49
CORONA_AAV_69_KV_TB1 355595	27.30 0.47 -21.65	21.63 0.45 -16.08	21.79 0.39 -16.79	20.09 0.23 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.70 0.36 -25.15	30.96 0.42 -25.40	28.58 0.61 -21.63	28.02 0.70 -20.28	26.40 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.44 0.82 -17.54	26.79 0.77 -18.49	26.79 0.71 -18.93	29.83 0.92 -19.10	34.25 0.72 -26.09	37.76 0.79 -28.46	41.18 1.16 -27.81	42.05 0.75 -32.99	34.32 0.84 -24.40	28.21 1.13 -14.94	26.07 0.83 -16.07
CORTLAND_115KV_TB3 80093	8.14 0.12 -2.83	7.78 0.11 -2.57	7.25 0.09 -2.54	5.65 0.06 -2.84	6.02 0.06 -2.86	7.24 0.09 -3.06	8.70 0.11 -4.40	9.97 0.12 -4.71	9.98 0.15 -3.48	9.63 0.17 -2.42	9.06 0.15 -2.41	9.03 0.15 -2.33	9.21 0.17 -2.17	10.28 0.19 -2.01	9.97 0.18 -2.27	10.14 0.16 -2.83	12.56 0.25 -2.50	11.98 0.19 -4.35	13.11 0.25 -4.35	16.44 0.34 -3.89	13.28 0.23 -4.74	13.15 0.22 -3.86	14.28 0.27 -1.87	11.46 0.23 -2.06
COXSACKIE___GT 23611	22.93 0.34 -17.41	21.25 0.33 -15.82	20.50 0.29 -15.60	20.39 0.17 -17.47	20.88 0.20 -17.59	23.19 0.28 -18.83	31.49 0.29 -27.01	34.36 0.32 -28.89	28.10 0.39 -21.36	22.27 0.37 -14.85	21.63 0.32 -14.82	21.14 0.31 -14.28	20.48 0.30 -13.30	20.78 0.36 -12.34	21.75 0.33 -13.91	24.73 0.37 -17.21	25.62 0.56 -15.25	34.19 0.42 -26.34	35.55 0.55 -26.49	36.78 0.84 -23.73	37.83 0.66 -28.86	33.21 0.63 -23.51	24.50 0.89 -11.47	22.41 0.62 -12.61
CPV_VALLEY___CC1 323721	19.80 0.27 -14.34	18.40 0.27 -13.03	17.69 0.23 -12.85	17.28 0.13 -14.39	17.74 0.16 -14.49	19.79 0.19 -15.51	26.64 0.20 -22.25	29.22 0.26 -23.82	24.32 0.37 -17.61	19.71 0.43 -12.24	19.11 0.40 -12.22	18.76 0.41 -11.79	18.27 0.43 -10.97	18.75 0.50 -10.17	19.61 0.49 -11.61	22.35 0.44 -14.76	23.29 0.58 -12.90	30.84 0.45 -22.95	31.72 0.51 -22.70	33.00 0.71 -20.08	33.38 0.48 -24.59	29.53 0.49 -19.97	22.29 0.68 -9.47	20.07 0.49 -10.41

CPV_VALLEY___CC2 323722	19.80 0.27 -14.34	18.40 0.27 -13.03	17.69 0.23 -12.85	17.28 0.13 -14.39	17.74 0.16 -14.49	19.79 0.19 -15.51	26.64 0.20 -22.25	29.22 0.26 -23.82	24.32 0.37 -17.61	19.71 0.43 -12.24	19.11 0.40 -12.22	18.76 0.41 -11.79	18.27 0.43 -10.97	18.75 0.50 -10.17	19.61 0.49 -11.61	22.35 0.44 -14.76	23.29 0.58 -12.90	30.84 0.45 -22.95	31.72 0.51 -22.70	33.00 0.71 -20.08	33.38 0.48 -24.59	29.53 0.49 -19.97	22.29 0.68 -9.47	20.07 0.49 -10.41
CRESCENT___HYD 24018	24.14 0.23 -18.73	22.34 0.22 -17.02	21.59 0.20 -16.78	21.67 0.12 -18.79	22.15 0.14 -18.92	24.52 0.18 -20.25	33.44 0.19 -29.06	36.46 0.22 -31.10	29.62 0.27 -23.00	23.32 0.29 -15.98	22.72 0.27 -15.95	22.16 0.26 -15.36	21.47 0.28 -14.32	21.70 0.33 -13.28	22.68 0.29 -14.87	25.55 0.29 -18.11	26.40 0.41 -16.18	35.20 0.32 -27.45	36.78 0.38 -27.89	37.93 0.55 -25.17	39.16 0.37 -30.48	34.34 0.40 -24.87	25.02 0.53 -12.34	23.12 0.39 -13.56
CRICKET___VALLEY_CC1 323756	21.42 0.25 -15.99	19.87 0.24 -14.53	19.15 0.21 -14.32	18.92 0.13 -16.04	19.40 0.15 -16.16	21.55 0.17 -17.29	29.17 0.18 -24.81	31.92 0.22 -26.55	26.28 0.30 -19.63	21.05 0.36 -13.65	20.45 0.33 -13.62	19.77 0.34 -12.88	19.46 0.36 -12.23	19.85 0.43 -11.34	19.04 0.41 -11.12	17.82 0.37 -10.29	21.19 0.47 -10.91	19.86 0.36 -12.06	24.97 0.42 -16.04	29.73 0.57 -16.95	27.54 0.39 -18.84	25.47 0.42 -15.98	23.27 0.56 -10.57	21.20 0.40 -11.62
CRICKET___VALLEY_CC2 323757	21.42 0.25 -15.99	19.87 0.24 -14.53	19.15 0.21 -14.32	18.92 0.13 -16.04	19.40 0.15 -16.16	21.55 0.17 -17.29	29.17 0.18 -24.81	31.92 0.22 -26.55	26.28 0.30 -19.63	21.05 0.36 -13.65	20.45 0.33 -13.62	19.77 0.34 -12.88	19.46 0.36 -12.23	19.85 0.43 -11.34	19.04 0.41 -11.12	17.82 0.37 -10.29	21.19 0.47 -10.91	19.86 0.36 -12.06	24.97 0.42 -16.04	29.73 0.57 -16.95	27.54 0.39 -18.84	25.47 0.42 -15.98	23.27 0.56 -10.57	21.20 0.40 -11.62
CRICKET___VALLEY_CC3 323758	21.42 0.25 -15.99	19.87 0.24 -14.53	19.15 0.21 -14.32	18.92 0.13 -16.04	19.40 0.15 -16.16	21.55 0.17 -17.29	29.17 0.18 -24.81	31.92 0.22 -26.55	26.28 0.30 -19.63	21.05 0.36 -13.65	20.45 0.33 -13.62	19.77 0.34 -12.88	19.46 0.36 -12.23	19.85 0.43 -11.34	19.04 0.41 -11.12	17.82 0.37 -10.29	21.19 0.47 -10.91	19.86 0.36 -12.06	24.97 0.42 -16.04	29.73 0.57 -16.95	27.54 0.39 -18.84	25.47 0.42 -15.98	23.27 0.56 -10.57	21.20 0.40 -11.62
CRUCIBLE_METL_DRP 24180	6.99 0.05 -1.76	6.73 0.03 -1.60	6.21 0.02 -1.58	4.53 0.01 -1.77	4.89 0.02 -1.78	6.02 0.03 -1.91	6.97 0.04 -2.74	8.12 0.05 -2.93	8.58 0.06 -2.16	8.63 0.08 -1.50	8.07 0.07 -1.50	8.06 0.07 -1.45	8.30 0.08 -1.35	9.41 0.08 -1.25	9.01 0.08 -1.41	8.97 0.06 -1.76	11.48 0.11 -1.56	10.23 0.08 -2.71	11.34 0.12 -2.71	14.78 0.15 -2.43	11.37 0.10 -2.95	11.56 0.08 -2.40	13.41 0.10 -1.17	10.57 0.12 -1.28
DAHOWA___HYDRO 323763	24.52 0.28 -19.05	22.68 0.27 -17.31	21.92 0.24 -17.07	22.01 0.14 -19.12	22.51 0.17 -19.25	24.92 0.23 -20.60	34.00 0.25 -29.56	37.12 0.29 -31.69	30.12 0.34 -23.43	23.68 0.35 -16.28	23.08 0.33 -16.25	22.51 0.31 -15.65	21.80 0.33 -14.59	21.99 0.38 -13.53	23.04 0.35 -15.17	26.07 0.35 -18.57	26.88 0.52 -16.55	36.06 0.41 -28.21	37.59 0.49 -28.58	38.68 0.72 -25.74	40.05 0.52 -31.21	35.08 0.54 -25.46	25.42 0.70 -12.57	23.49 0.49 -13.82
DANC___LFGE 323619	6.37 0.01 -1.17	6.17 0.00 -1.07	5.50 0.00 -0.88	3.93 0.00 -1.18	4.22 0.00 -1.13	5.14 0.02 -1.04	5.77 0.00 -1.58	6.80 0.00 -1.66	7.34 -0.02 -1.01	7.56 -0.04 -0.55	7.30 -0.05 -0.85	7.33 -0.03 -0.81	7.35 -0.04 -0.52	8.25 -0.08 -0.25	8.11 -0.08 -0.67	7.78 -0.08 -0.71	10.02 -0.07 -0.27	8.93 -0.04 -1.54	9.90 -0.04 -1.43	13.82 0.00 -1.61	10.26 -0.02 -1.96	9.98 -0.01 -0.92	11.83 0.00 0.31	9.31 0.04 -0.10
DANSKAMMER___1 23586	20.75 0.34 -15.23	19.27 0.33 -13.83	18.54 0.28 -13.64	18.20 0.17 -15.28	18.67 0.20 -15.38	20.79 0.24 -16.46	28.06 0.25 -23.62	30.75 0.32 -25.28	25.48 0.44 -18.69	20.53 0.49 -12.99	19.92 0.45 -12.97	19.55 0.48 -12.52	19.00 0.48 -11.64	19.45 0.57 -10.80	20.38 0.56 -12.30	23.27 0.52 -15.61	24.14 0.67 -13.66	32.17 0.51 -24.23	33.10 0.59 -24.00	34.31 0.84 -21.26	34.91 0.58 -26.02	30.82 0.61 -21.13	23.03 0.84 -10.05	20.83 0.61 -11.05
DANSKAMMER___2 23589	20.75 0.34 -15.23	19.27 0.33 -13.83	18.54 0.28 -13.64	18.20 0.17 -15.28	18.67 0.20 -15.38	20.79 0.24 -16.46	28.06 0.25 -23.62	30.75 0.32 -25.28	25.48 0.44 -18.69	20.53 0.49 -12.99	19.92 0.45 -12.97	19.55 0.48 -12.52	19.00 0.48 -11.64	19.45 0.57 -10.80	20.38 0.56 -12.30	23.27 0.52 -15.61	24.14 0.67 -13.66	32.17 0.51 -24.23	33.10 0.59 -24.00	34.31 0.84 -21.26	34.91 0.58 -26.02	30.82 0.61 -21.13	23.03 0.84 -10.05	20.83 0.61 -11.05
DANSKAMMER___3 23590	20.75 0.34 -15.23	19.27 0.33 -13.83	18.54 0.28 -13.64	18.20 0.17 -15.28	18.67 0.20 -15.38	20.79 0.24 -16.46	28.06 0.25 -23.62	30.75 0.32 -25.28	25.48 0.44 -18.69	20.53 0.49 -12.99	19.92 0.45 -12.97	19.55 0.48 -12.52	19.00 0.48 -11.64	19.45 0.57 -10.80	20.38 0.56 -12.30	23.27 0.52 -15.61	24.14 0.67 -13.66	32.17 0.51 -24.23	33.10 0.59 -24.00	34.31 0.84 -21.26	34.91 0.58 -26.02	30.82 0.61 -21.13	23.03 0.84 -10.05	20.83 0.61 -11.05
DANSKAMMER___4 23591	20.75 0.34 -15.23	19.27 0.33 -13.83	18.54 0.28 -13.64	18.20 0.17 -15.28	18.67 0.20 -15.38	20.79 0.24 -16.46	28.06 0.25 -23.62	30.75 0.32 -25.28	25.48 0.44 -18.69	20.53 0.49 -12.99	19.92 0.45 -12.97	19.55 0.48 -12.52	19.00 0.48 -11.64	19.45 0.57 -10.80	20.38 0.56 -12.30	23.27 0.52 -15.61	24.14 0.67 -13.66	32.17 0.51 -24.23	33.10 0.59 -24.00	34.31 0.84 -21.26	34.91 0.58 -26.02	30.82 0.61 -21.13	23.03 0.84 -10.05	20.83 0.61 -11.05
DANSKAMMER___DIESEL 23592	20.75 0.34 -15.23	19.27 0.33 -13.83	18.54 0.28 -13.64	18.20 0.17 -15.28	18.67 0.20 -15.38	20.79 0.24 -16.46	28.06 0.25 -23.62	30.75 0.32 -25.28	25.48 0.44 -18.69	20.53 0.49 -12.99	19.92 0.45 -12.97	19.55 0.48 -12.52	19.00 0.48 -11.64	19.45 0.57 -10.80	20.38 0.56 -12.30	23.27 0.52 -15.61	24.14 0.67 -13.66	32.18 0.51 -24.23	33.08 0.57 -24.00	34.32 0.84 -21.26	34.91 0.57 -26.02	30.82 0.61 -21.13	23.04 0.84 -10.05	20.83 0.61 -11.05
DARBY___SOLAR 323810	24.46 0.27 -19.01	22.63 0.26 -17.27	21.87 0.23 -17.03	21.96 0.14 -19.07	22.45 0.16 -19.20	24.85 0.22 -20.55	33.95 0.24 -29.52	37.02 0.28 -31.60	30.05 0.34 -23.37	23.63 0.35 -16.24	23.03 0.32 -16.21	22.46 0.30 -15.61	21.75 0.32 -14.55	21.96 0.38 -13.50	22.99 0.35 -15.13	25.99 0.34 -18.50	26.81 0.51 -16.49	35.93 0.40 -28.09	37.42 0.46 -28.45	38.53 0.68 -25.63	39.86 0.48 -31.07	34.93 0.52 -25.34	25.34 0.67 -12.52	23.41 0.47 -13.77
DASHVILLE___HYD 23610	20.76 0.27 -15.30	19.27 0.27 -13.90	18.53 0.21 -13.70	18.23 0.13 -15.35	18.70 0.15 -15.46	20.80 0.18 -16.54	28.10 0.18 -23.73	30.79 0.25 -25.40	25.50 0.37 -18.78	20.53 0.43 -13.05	19.92 0.39 -13.03	19.54 0.42 -12.57	19.00 0.43 -11.70	19.43 0.50 -10.85	20.34 0.50 -12.32	23.11 0.44 -15.53	23.99 0.54 -13.64	31.87 0.42 -24.01	32.87 0.47 -23.89	34.13 0.70 -21.22	34.71 0.47 -25.93	30.61 0.46 -21.08	22.93 0.69 -10.10	20.76 0.49 -11.10

DEERFIELD_69_KV_DEERFIELD LD 355887	27.43 0.60 -21.65	21.77 0.59 -16.08	21.93 0.52 -16.79	20.18 0.31 -17.11	21.10 0.36 -17.65	26.65 0.45 -22.11	29.82 0.48 -25.15	31.10 0.56 -25.40	28.76 0.79 -21.63	28.21 0.89 -20.28	26.57 0.80 -19.27	26.57 0.81 -19.21	26.25 0.85 -18.52	26.63 1.00 -17.54	26.95 0.93 -18.49	27.05 0.97 -18.93	30.19 1.29 -19.10	34.55 1.03 -26.09	37.99 1.02 -28.46	41.53 1.50 -27.81	42.28 0.97 -32.99	34.72 1.24 -24.40	28.59 1.51 -14.94	26.32 1.07 -16.07
DELAWARE___LFGE 323621	11.37 0.17 -6.02	10.73 0.15 -5.47	10.16 0.15 -5.39	8.88 0.09 -6.04	9.27 0.10 -6.08	10.73 0.13 -6.51	13.67 0.13 -9.35	15.31 0.16 -10.01	13.96 0.21 -7.40	12.42 0.23 -5.14	11.85 0.22 -5.13	11.73 0.23 -4.95	11.73 0.24 -4.61	12.63 0.27 -4.27	12.60 0.26 -4.83	13.40 0.24 -6.01	15.46 0.33 -5.31	16.92 0.25 -9.23	18.05 0.30 -9.24	20.90 0.43 -8.26	18.66 0.29 -10.06	17.57 0.31 -8.19	16.52 0.40 -3.97	13.83 0.29 -4.36
DERFIELD_115KV_TB7 355931	5.20 0.02 0.00	5.11 0.01 0.00	4.69 0.01 -0.06	2.76 0.01 0.00	3.12 0.01 -0.02	4.18 0.01 -0.08	4.28 0.01 -0.09	5.26 0.01 -0.10	6.52 0.02 -0.15	7.22 0.01 -0.16	6.57 0.02 -0.05	6.62 0.02 -0.05	7.03 0.02 -0.13	8.31 0.02 -0.20	7.64 0.02 -0.09	7.33 0.01 -0.16	10.10 0.02 -0.27	7.54 0.01 -0.09	8.67 0.03 -0.13	12.25 0.04 0.00	8.34 0.02 0.00	9.34 0.03 -0.24	12.56 0.04 -0.38	9.47 0.04 -0.26
DOGLEVILLE___HYD 23807	5.22 0.04 0.00	5.13 0.03 0.00	4.71 0.04 -0.06	2.77 0.02 0.00	3.13 0.02 -0.02	4.20 0.03 -0.08	4.30 0.03 -0.09	5.28 0.03 -0.10	6.54 0.04 -0.15	7.25 0.04 -0.16	6.59 0.04 -0.05	6.66 0.05 -0.05	7.07 0.05 -0.13	8.34 0.05 -0.20	7.64 0.02 -0.10	7.30 -0.01 -0.16	10.07 -0.01 -0.27	7.52 -0.01 -0.09	8.63 -0.02 -0.13	12.26 0.05 0.00	8.28 -0.03 0.00	9.28 -0.04 -0.24	12.53 0.00 -0.38	9.44 0.00 -0.26
DUNKIRK___115KV_TB_200 55889	7.84 -0.08 -2.74	7.47 -0.12 -2.49	6.94 -0.13 -2.45	5.43 -0.07 -2.75	5.78 -0.07 -2.77	6.95 -0.10 -2.96	8.35 -0.09 -4.25	9.54 -0.15 -4.54	9.55 -0.16 -3.36	9.18 -0.20 -2.34	8.65 -0.18 -2.33	8.61 -0.18 -2.25	8.78 -0.19 -2.09	9.89 -0.14 -1.94	9.53 -0.18 -2.19	9.75 -0.13 -2.73	12.03 -0.18 -2.40	11.53 -0.07 -4.17	12.83 0.02 -4.30	15.93 -0.12 -3.84	12.94 -0.05 -4.68	12.78 -0.10 -3.81	13.76 -0.23 -1.85	10.96 -0.24 -2.03
DUNKIRK___1 23563	7.84 -0.08 -2.74	7.47 -0.12 -2.49	6.94 -0.13 -2.45	5.43 -0.07 -2.75	5.78 -0.07 -2.77	6.95 -0.10 -2.96	8.35 -0.09 -4.25	9.54 -0.15 -4.54	9.55 -0.16 -3.36	9.18 -0.20 -2.34	8.65 -0.18 -2.33	8.61 -0.18 -2.25	8.78 -0.19 -2.09	9.89 -0.14 -1.94	9.53 -0.18 -2.19	9.75 -0.13 -2.73	12.03 -0.18 -2.40	11.53 -0.07 -4.17	12.83 0.02 -4.30	15.93 -0.12 -3.84	12.94 -0.05 -4.68	12.78 -0.10 -3.81	13.76 -0.23 -1.85	10.96 -0.24 -2.03
DUNKIRK___2 23564	7.84 -0.08 -2.74	7.47 -0.12 -2.49	6.94 -0.13 -2.45	5.43 -0.07 -2.75	5.78 -0.07 -2.77	6.95 -0.10 -2.96	8.35 -0.09 -4.25	9.54 -0.15 -4.54	9.55 -0.16 -3.36	9.18 -0.20 -2.34	8.65 -0.18 -2.33	8.61 -0.18 -2.25	8.78 -0.19 -2.09	9.89 -0.14 -1.94	9.53 -0.18 -2.19	9.75 -0.13 -2.73	12.03 -0.18 -2.40	11.53 -0.07 -4.17	12.83 0.02 -4.30	15.93 -0.12 -3.84	12.94 -0.05 -4.68	12.78 -0.10 -3.81	13.76 -0.23 -1.85	10.96 -0.24 -2.03
DUNKIRK___3 23565	7.81 -0.07 -2.70	7.44 -0.12 -2.46	6.91 -0.12 -2.42	5.40 -0.07 -2.71	5.75 -0.07 -2.73	6.92 -0.09 -2.92	8.30 -0.08 -4.19	9.49 -0.14 -4.49	9.51 -0.16 -3.32	9.16 -0.19 -2.31	8.63 -0.17 -2.30	8.59 -0.18 -2.22	8.76 -0.19 -2.07	9.86 -0.14 -1.92	9.51 -0.18 -2.17	9.72 -0.13 -2.70	12.00 -0.18 -2.37	11.47 -0.08 -4.11	12.76 -0.01 -4.26	15.87 -0.15 -3.81	12.88 -0.07 -4.63	12.73 -0.12 -3.77	13.74 -0.23 -1.83	10.95 -0.24 -2.01
DUNKIRK___4 23566	7.81 -0.07 -2.70	7.44 -0.12 -2.46	6.91 -0.12 -2.42	5.40 -0.07 -2.71	5.75 -0.07 -2.73	6.92 -0.09 -2.92	8.30 -0.08 -4.19	9.49 -0.14 -4.49	9.51 -0.16 -3.32	9.16 -0.19 -2.31	8.63 -0.17 -2.30	8.59 -0.18 -2.22	8.76 -0.19 -2.07	9.86 -0.14 -1.92	9.51 -0.18 -2.17	9.72 -0.13 -2.70	12.00 -0.18 -2.37	11.47 -0.08 -4.11	12.76 -0.01 -4.26	15.87 -0.15 -3.81	12.88 -0.07 -4.63	12.73 -0.12 -3.77	13.74 -0.23 -1.83	10.95 -0.24 -2.01
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	20.82 0.35 -15.29	19.33 0.33 -13.89	18.60 0.28 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.40	25.59 0.46 -18.78	20.64 0.54 -13.05	20.02 0.50 -13.03	19.65 0.52 -12.58	19.12 0.55 -11.69	19.57 0.65 -10.84	20.52 0.62 -12.38	23.48 0.56 -15.76	24.30 0.72 -13.77	32.53 0.57 -24.53	33.36 0.61 -24.24	34.53 0.88 -21.43	35.14 0.57 -26.26	31.03 0.64 -21.32	23.09 0.85 -10.10	20.88 0.61 -11.10
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	20.35 0.32 -14.85	18.90 0.31 -13.49	18.18 0.26 -13.30	17.81 0.16 -14.90	18.27 0.18 -15.00	20.36 0.22 -16.05	27.45 0.23 -23.03	30.09 0.30 -24.65	24.99 0.41 -18.23	20.19 0.47 -12.67	19.58 0.44 -12.65	19.21 0.46 -12.21	18.70 0.47 -11.35	19.17 0.56 -10.53	20.05 0.53 -12.00	22.88 0.49 -15.24	23.78 0.64 -13.33	31.59 0.49 -23.66	32.48 0.54 -23.43	33.75 0.79 -20.75	34.25 0.54 -25.39	30.26 0.56 -20.63	22.74 0.79 -9.80	20.51 0.56 -10.78
E179THST_138_KV_TB4_REV_LBMP_J 345001	20.88 0.40 -15.29	19.38 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.16 0.24 -23.72	30.87 0.33 -25.39	25.59 0.47 -18.78	20.66 0.56 -13.05	20.04 0.52 -13.03	19.68 0.55 -12.58	19.15 0.58 -11.69	19.61 0.68 -10.84	20.56 0.66 -12.38	23.50 0.59 -15.76	24.30 0.72 -13.77	32.53 0.57 -24.53	33.35 0.60 -24.24	34.49 0.84 -21.43	35.10 0.53 -26.26	31.03 0.64 -21.32	23.14 0.90 -10.10	20.99 0.72 -11.10
E179THST_13_KV_LOAD 356214	20.90 0.42 -15.29	19.39 0.40 -13.89	18.64 0.32 -13.70	18.29 0.19 -15.34	18.77 0.23 -15.45	20.89 0.27 -16.54	28.17 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.08 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.61 -15.76	24.34 0.76 -13.77	32.57 0.60 -24.53	33.39 0.64 -24.24	34.55 0.90 -21.43	35.14 0.57 -26.26	31.06 0.67 -21.32	23.20 0.96 -10.10	21.03 0.75 -11.10
EAST HAMPTON___GT 23717	27.49 0.66 -21.65	21.83 0.65 -16.08	21.97 0.57 -16.79	20.20 0.34 -17.11	21.14 0.39 -17.65	26.69 0.49 -22.11	29.87 0.52 -25.15	31.16 0.62 -25.40	28.84 0.86 -21.63	28.30 0.97 -20.28	26.64 0.88 -19.27	26.64 0.88 -19.21	26.32 0.92 -18.52	26.71 1.08 -17.54	27.02 1.01 -18.49	27.13 1.05 -18.93	30.34 1.43 -19.10	34.66 1.14 -26.09	38.30 1.33 -28.46	41.68 1.66 -27.81	42.56 1.26 -32.99	34.86 1.39 -24.40	28.75 1.66 -14.94	26.43 1.18 -16.07
EAST RIVER___6 23660	20.83 0.36 -15.29	19.34 0.34 -13.89	18.60 0.28 -13.70	18.26 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.17 0.25 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.70 0.61 -13.05	20.08 0.56 -13.03	19.71 0.58 -12.58	19.18 0.61 -11.69	19.65 0.72 -10.84	20.59 0.69 -12.38	23.54 0.62 -15.76	24.35 0.77 -13.77	32.58 0.61 -24.53	33.41 0.66 -24.24	34.54 0.89 -21.43	35.17 0.60 -26.25	31.04 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10

EAST RIVER___7 23524	20.83 0.36 -15.29	19.34 0.34 -13.89	18.60 0.28 -13.70	18.26 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.17 0.25 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.70 0.61 -13.05	20.08 0.56 -13.03	19.71 0.58 -12.58	19.18 0.61 -11.69	19.65 0.72 -10.84	20.59 0.69 -12.38	23.54 0.62 -15.76	24.35 0.77 -13.77	32.58 0.61 -24.53	33.41 0.66 -24.24	34.54 0.89 -21.43	35.17 0.60 -26.25	31.04 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	20.79 0.34 -15.27	19.30 0.33 -13.87	18.57 0.28 -13.68	18.24 0.17 -15.32	18.71 0.19 -15.43	20.83 0.24 -16.51	28.13 0.25 -23.68	30.82 0.33 -25.35	25.54 0.45 -18.74	20.60 0.53 -13.03	19.99 0.49 -13.00	19.61 0.50 -12.55	19.08 0.53 -11.67	19.53 0.62 -10.83	20.48 0.60 -12.36	23.44 0.55 -15.74	24.26 0.70 -13.75	32.48 0.55 -24.49	33.31 0.60 -24.20	34.47 0.85 -21.40	35.08 0.56 -26.21	30.97 0.62 -21.28	23.05 0.83 -10.08	20.85 0.60 -11.09
EAST_HAMPTON___DIESEL 23722	27.49 0.66 -21.65	21.83 0.65 -16.08	21.98 0.57 -16.79	20.21 0.34 -17.11	21.14 0.39 -17.65	26.69 0.49 -22.11	29.87 0.52 -25.15	31.16 0.62 -25.40	28.84 0.86 -21.63	28.30 0.97 -20.28	26.65 0.88 -19.27	26.64 0.88 -19.21	26.32 0.92 -18.52	26.71 1.08 -17.54	27.02 1.01 -18.49	27.13 1.05 -18.93	30.34 1.43 -19.10	34.66 1.14 -26.09	38.30 1.34 -28.46	41.68 1.66 -27.81	42.57 1.27 -32.99	34.86 1.39 -24.40	28.76 1.68 -14.94	26.43 1.18 -16.07
EAST_PULASKI___ESR 323781	6.51 -0.02 -1.35	6.29 -0.03 -1.22	5.70 -0.03 -1.12	4.08 -0.02 -1.35	4.40 -0.02 -1.33	5.41 -0.01 -1.34	6.14 -0.01 -1.96	7.21 -0.02 -2.08	7.75 -0.03 -1.43	7.92 -0.04 -0.92	7.53 -0.04 -1.07	7.54 -0.04 -1.03	7.67 -0.04 -0.83	8.67 -0.06 -0.65	8.39 -0.06 -0.94	8.19 -0.06 -1.10	10.54 -0.06 -0.79	9.32 -0.04 -1.93	10.36 -0.03 -1.87	14.03 -0.04 -1.85	10.54 -0.02 -2.25	10.51 -0.05 -1.48	12.41 -0.05 -0.32	9.78 0.02 -0.58
EAST_RIVER___1 323558	20.84 0.36 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.57 0.60 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.93 0.65 -11.10
EAST_RIVER___2 323559	20.83 0.36 -15.29	19.34 0.34 -13.89	18.60 0.28 -13.70	18.26 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.17 0.25 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.70 0.61 -13.05	20.08 0.56 -13.03	19.71 0.58 -12.58	19.18 0.61 -11.69	19.65 0.72 -10.84	20.59 0.69 -12.38	23.54 0.62 -15.76	24.35 0.77 -13.77	32.58 0.61 -24.53	33.41 0.66 -24.24	34.54 0.89 -21.43	35.17 0.60 -26.25	31.04 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
EAST___DELAWARE_HYD 23607	18.63 0.40 -13.04	17.35 0.40 -11.85	16.64 0.34 -11.68	16.04 0.20 -13.09	16.50 0.24 -13.18	18.48 0.29 -14.10	24.72 0.29 -20.23	27.16 0.37 -21.65	22.85 0.50 -16.01	18.72 0.55 -11.13	18.10 0.50 -11.11	17.81 0.54 -10.72	17.35 0.50 -9.97	17.90 0.57 -9.25	18.59 0.55 -10.52	20.93 0.48 -13.30	22.10 0.63 -11.66	28.52 0.48 -20.60	29.52 0.55 -20.45	31.24 0.88 -18.15	31.06 0.56 -22.19	27.67 0.57 -18.03	21.65 0.90 -8.61	19.28 0.64 -9.46
EIGHT_POINT___WT_PWR 323820	8.56 0.35 -3.03	8.17 0.31 -2.76	7.59 0.26 -2.72	5.95 0.15 -3.04	6.33 0.17 -3.07	7.64 0.28 -3.28	9.21 0.31 -4.71	10.55 0.37 -5.04	10.53 0.45 -3.73	10.16 0.53 -2.59	9.55 0.47 -2.59	9.47 0.43 -2.49	9.67 0.47 -2.32	10.77 0.53 -2.15	10.45 0.50 -2.43	10.62 0.44 -3.03	12.80 0.16 -2.83	12.52 0.16 -4.92	13.61 0.17 -4.93	16.89 0.27 -4.41	13.82 0.14 -5.36	13.59 0.14 -4.37	14.37 0.11 -2.12	11.55 0.05 -2.33
ELBRIDGE_115KV_TB2 80188	7.06 0.03 -1.85	6.79 0.01 -1.68	6.27 0.00 -1.66	4.61 0.00 -1.86	4.96 0.00 -1.87	6.10 0.02 -2.00	7.09 0.03 -2.87	8.24 0.03 -3.07	8.66 0.04 -2.27	8.67 0.04 -1.58	8.11 0.04 -1.58	8.10 0.03 -1.52	8.33 0.03 -1.41	9.44 0.04 -1.31	9.05 0.05 -1.48	9.04 0.04 -1.85	11.52 0.07 -1.64	10.33 0.05 -2.84	11.43 0.07 -2.85	14.83 0.07 -2.55	11.47 0.06 -3.10	11.64 0.05 -2.52	13.41 0.04 -1.22	10.59 0.07 -1.35
ELEC_TRO_TEK 24086	27.27 0.44 -21.65	21.60 0.42 -16.08	21.76 0.36 -16.79	20.08 0.22 -17.11	20.99 0.25 -17.65	26.51 0.31 -22.11	29.68 0.34 -25.15	30.93 0.39 -25.40	28.55 0.57 -21.63	27.98 0.66 -20.28	26.37 0.60 -19.27	26.38 0.62 -19.21	26.04 0.65 -18.52	26.38 0.76 -17.54	26.73 0.72 -18.49	26.76 0.68 -18.93	29.78 0.87 -19.10	34.21 0.68 -26.09	37.69 0.72 -28.46	41.09 1.06 -27.81	41.99 0.68 -32.99	34.27 0.80 -24.40	28.13 1.04 -14.94	26.01 0.76 -16.07
ELLENBURG_WT_PWR 323604	5.05 -0.13 0.00	4.92 -0.18 0.00	2.96 -0.22 1.44	2.60 -0.16 0.00	2.42 -0.19 0.48	1.90 -0.27 1.92	1.89 -0.29 2.02	2.40 -0.30 2.44	2.42 -0.36 3.57	2.94 -0.38 3.73	4.87 -0.34 1.28	4.95 -0.33 1.28	3.34 -0.36 3.18	2.78 -0.45 4.85	4.82 -0.44 2.25	2.92 -0.41 3.81	2.91 -0.57 6.33	4.88 -0.39 2.17	4.98 -0.42 3.12	11.59 -0.62 0.00	7.93 -0.37 0.01	2.94 -0.48 5.65	2.28 -0.79 9.07	2.30 -0.62 6.25
ELM_ST_23_KV_LD_REV_LBMP_A 345012	7.74 -0.07 -2.63	7.37 -0.12 -2.39	6.86 -0.12 -2.35	5.33 -0.06 -2.64	5.68 -0.06 -2.66	6.85 -0.08 -2.84	8.19 -0.08 -4.08	9.36 -0.15 -4.36	9.41 -0.17 -3.23	9.08 -0.20 -2.24	8.55 -0.18 -2.24	8.51 -0.20 -2.16	8.67 -0.21 -2.01	9.78 -0.17 -1.86	9.41 -0.21 -2.11	9.62 -0.16 -2.62	11.88 -0.23 -2.30	11.30 -0.13 -3.99	12.45 -0.11 -4.05	15.53 -0.29 -3.61	12.57 -0.15 -4.40	12.45 -0.21 -3.58	13.56 -0.33 -1.74	10.78 -0.30 -1.91
EMPIRE_CC_1 323656	23.22 0.17 -17.87	21.52 0.18 -16.23	20.78 0.16 -16.00	20.78 0.10 -17.93	21.25 0.11 -18.05	23.54 0.13 -19.32	32.03 0.12 -27.72	34.93 0.13 -29.66	28.46 0.18 -21.93	22.50 0.21 -15.24	21.90 0.19 -15.21	21.38 0.19 -14.64	20.73 0.20 -13.66	20.99 0.24 -12.66	21.85 0.21 -14.13	24.42 0.20 -17.07	25.41 0.28 -15.31	33.39 0.21 -25.74	35.06 0.26 -26.29	36.39 0.35 -23.82	37.34 0.24 -28.78	32.84 0.25 -23.51	24.27 0.36 -11.76	22.36 0.26 -12.93
EMPIRE_CC_2 323658	23.22 0.17 -17.87	21.52 0.18 -16.23	20.78 0.16 -16.00	20.78 0.10 -17.93	21.25 0.11 -18.05	23.54 0.13 -19.32	32.03 0.12 -27.72	34.93 0.13 -29.66	28.46 0.18 -21.93	22.50 0.21 -15.24	21.90 0.19 -15.21	21.38 0.19 -14.64	20.73 0.20 -13.66	20.99 0.24 -12.66	21.85 0.21 -14.13	24.42 0.20 -17.07	25.41 0.28 -15.31	33.39 0.21 -25.74	35.06 0.26 -26.29	36.39 0.35 -23.82	37.34 0.24 -28.78	32.84 0.25 -23.51	24.27 0.36 -11.76	22.36 0.26 -12.93
ENORWICH_115KV_TB1 80156	10.05 0.33 -4.54	9.52 0.29 -4.12	8.99 0.30 -4.07	7.47 0.16 -4.56	7.86 0.19 -4.59	9.27 0.27 -4.91	11.49 0.26 -7.04	13.00 0.31 -7.54	12.27 0.34 -5.58	11.29 0.37 -3.88	10.71 0.34 -3.87	10.66 0.38 -3.73	10.76 0.41 -3.47	11.71 0.40 -3.22	11.55 0.39 -3.64	12.06 0.37 -4.53	14.40 0.58 -4.01	14.85 0.45 -6.96	16.08 0.60 -6.97	19.36 0.92 -6.23	16.50 0.61 -7.58	15.86 0.61 -6.17	15.88 0.74 -2.99	13.03 0.57 -3.29

ERIE_ST__34_KV_TB1-2 80199	7.81 -0.09 -2.72	7.44 -0.14 -2.47	6.92 -0.13 -2.44	5.41 -0.07 -2.73	5.76 -0.08 -2.75	6.93 -0.10 -2.94	8.32 -0.09 -4.22	9.50 -0.15 -4.52	9.52 -0.17 -3.34	9.17 -0.20 -2.32	8.63 -0.18 -2.32	8.59 -0.20 -2.23	8.76 -0.20 -2.08	9.85 -0.16 -1.93	9.50 -0.20 -2.18	9.71 -0.16 -2.71	11.97 -0.23 -2.38	11.45 -0.13 -4.14	12.57 -0.12 -4.18	15.63 -0.32 -3.73	12.68 -0.17 -4.55	12.54 -0.24 -3.70	13.56 -0.38 -1.79	10.80 -0.34 -1.97
ERIE_WT_PWR 323693	7.80 -0.07 -2.69	7.44 -0.11 -2.44	6.92 -0.11 -2.41	5.39 -0.06 -2.70	5.75 -0.06 -2.72	6.91 -0.08 -2.91	8.29 -0.07 -4.17	9.47 -0.13 -4.46	9.50 -0.15 -3.30	9.16 -0.18 -2.29	8.65 -0.14 -2.29	8.57 -0.18 -2.21	8.75 -0.19 -2.06	9.85 -0.14 -1.91	9.49 -0.18 -2.15	9.70 -0.14 -2.68	11.98 -0.19 -2.35	11.42 -0.10 -4.09	12.46 -0.14 -4.10	15.63 -0.24 -3.66	12.58 -0.19 -4.46	12.53 -0.17 -3.62	13.61 -0.29 -1.76	10.83 -0.27 -1.93
ESPRGFLD_115KV_TB1 80157	3.09 0.24 2.33	3.21 0.22 2.12	2.75 0.22 2.09	0.54 0.13 2.34	0.88 0.14 2.36	1.77 0.21 2.52	0.83 0.22 3.58	1.59 0.27 3.82	3.85 0.32 2.82	5.42 0.34 1.96	4.85 0.31 1.96	4.99 0.33 1.90	5.47 0.35 1.76	6.81 0.36 1.63	5.95 0.32 1.89	5.00 0.32 2.47	8.16 0.48 2.13	3.91 0.38 3.91	5.12 0.44 3.83	9.52 0.66 3.35	4.64 0.46 4.13	6.25 0.52 3.34	11.24 0.63 1.54	7.93 0.45 1.69
ETNA_115_KV_TB1_REV_LBMP_C 345029	8.77 0.18 -3.42	8.36 0.15 -3.10	7.82 0.14 -3.06	6.26 0.08 -3.43	6.63 0.09 -3.45	7.92 0.14 -3.69	9.65 0.16 -5.30	11.00 0.18 -5.68	10.76 0.22 -4.20	10.20 0.24 -2.92	9.62 0.21 -2.91	9.57 0.22 -2.81	9.73 0.24 -2.61	10.77 0.26 -2.42	10.52 0.26 -2.74	10.80 0.24 -3.41	13.18 0.34 -3.02	12.95 0.26 -5.25	14.11 0.34 -5.26	17.38 0.48 -4.70	14.36 0.33 -5.72	14.05 0.32 -4.66	14.79 0.39 -2.26	11.98 0.32 -2.48
ETNA____115KV_TB2 80207	8.77 0.18 -3.42	8.36 0.15 -3.10	7.82 0.14 -3.06	6.26 0.08 -3.43	6.63 0.09 -3.45	7.92 0.14 -3.69	9.65 0.16 -5.30	11.00 0.18 -5.68	10.76 0.22 -4.20	10.20 0.24 -2.92	9.62 0.21 -2.91	9.57 0.22 -2.81	9.73 0.24 -2.61	10.77 0.26 -2.42	10.52 0.26 -2.74	10.80 0.24 -3.41	13.18 0.34 -3.02	12.95 0.26 -5.25	14.11 0.34 -5.26	17.38 0.48 -4.70	14.36 0.33 -5.72	14.05 0.32 -4.66	14.79 0.39 -2.26	11.98 0.32 -2.48
EUCLID____115KV_TB2 356179	6.67 -0.03 -1.52	6.44 -0.04 -1.38	5.94 -0.04 -1.36	4.25 -0.02 -1.52	4.60 -0.02 -1.53	5.71 -0.02 -1.64	6.53 -0.02 -2.36	7.64 -0.03 -2.52	8.19 -0.03 -1.86	8.32 -0.02 -1.30	7.77 -0.02 -1.29	7.77 -0.03 -1.25	8.02 -0.02 -1.16	9.14 -0.02 -1.08	8.71 -0.02 -1.22	8.64 -0.03 -1.52	11.12 -0.03 -1.34	9.75 -0.01 -2.33	10.85 0.00 -2.34	14.28 -0.02 -2.09	10.85 -0.01 -2.54	11.11 -0.04 -2.07	13.10 -0.05 -1.00	10.28 0.00 -1.10
E_CANADA_CAP_HY 24051	28.39 0.30 -22.91	26.20 0.28 -20.81	25.40 0.26 -20.52	25.89 0.15 -22.99	26.41 0.18 -23.15	29.11 0.25 -24.77	40.02 0.28 -35.54	43.60 0.33 -38.13	34.94 0.40 -28.19	27.04 0.40 -19.59	26.42 0.36 -19.55	25.78 0.39 -18.84	24.83 0.40 -17.55	24.76 0.40 -16.28	26.22 0.37 -18.33	30.18 0.37 -22.65	30.47 0.57 -20.09	42.54 0.47 -34.63	43.93 0.55 -34.86	44.28 0.81 -31.26	46.89 0.58 -37.99	40.67 0.64 -30.96	28.08 0.80 -15.13	26.37 0.56 -16.64
E_CANADA_MHWK_HY 24050	5.22 0.04 0.00	5.13 0.03 0.00	4.71 0.04 -0.06	2.77 0.02 0.00	3.13 0.02 -0.02	4.20 0.03 -0.08	4.30 0.03 -0.09	5.28 0.03 -0.10	6.54 0.04 -0.15	7.25 0.04 -0.16	6.59 0.04 -0.05	6.66 0.05 -0.05	7.07 0.05 -0.13	8.34 0.05 -0.20	7.64 0.02 -0.10	7.30 -0.01 -0.16	10.07 -0.01 -0.27	7.52 -0.01 -0.09	8.63 -0.02 -0.13	12.26 0.05 0.00	8.28 -0.03 0.00	9.28 -0.04 -0.24	12.53 0.00 -0.38	9.44 0.00 -0.26
E_FISHKILL____LBMP 23776	21.02 0.30 -15.54	19.51 0.29 -14.11	18.78 0.25 -13.92	18.49 0.15 -15.59	18.96 0.17 -15.70	21.10 0.21 -16.80	28.51 0.22 -24.10	31.23 0.28 -25.80	25.81 0.39 -19.08	20.76 0.45 -13.26	20.15 0.42 -13.23	19.76 0.43 -12.78	19.21 0.45 -11.88	19.63 0.53 -11.02	20.62 0.52 -12.58	23.64 0.47 -16.02	24.41 0.60 -13.99	32.84 0.47 -24.93	33.66 0.51 -24.63	34.73 0.73 -21.78	35.48 0.48 -26.68	31.27 0.54 -21.66	23.12 0.72 -10.26	20.97 0.51 -11.28
FALCON____SEABRD_CC1 323796	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.44	2.62 -0.13 0.00	2.44 -0.17 0.48	1.94 -0.23 1.92	1.92 -0.25 2.02	2.45 -0.26 2.43	2.48 -0.31 3.56	3.00 -0.32 3.72	4.92 -0.30 1.28	4.99 -0.28 1.27	3.40 -0.30 3.17	2.85 -0.40 4.83	4.88 -0.39 2.25	2.99 -0.36 3.80	2.98 -0.51 6.32	4.93 -0.35 2.16	5.04 -0.36 3.11	11.66 -0.55 0.00	7.99 -0.31 0.01	3.02 -0.42 5.64	2.38 -0.72 9.05	2.36 -0.58 6.23
FALCON____SEABRD_CC2 323797	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.44	2.62 -0.13 0.00	2.44 -0.17 0.48	1.94 -0.23 1.92	1.92 -0.25 2.02	2.45 -0.26 2.43	2.48 -0.31 3.56	3.00 -0.32 3.72	4.92 -0.30 1.28	4.99 -0.28 1.27	3.40 -0.30 3.17	2.85 -0.40 4.83	4.88 -0.39 2.25	2.99 -0.36 3.80	2.98 -0.51 6.32	4.93 -0.35 2.16	5.04 -0.36 3.11	11.66 -0.55 0.00	7.99 -0.31 0.01	3.02 -0.42 5.64	2.38 -0.72 9.05	2.36 -0.58 6.23
FAR ROCKAWAY____4 23548	27.34 0.50 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.73 0.39 -25.15	31.00 0.46 -25.40	28.63 0.65 -21.63	28.08 0.75 -20.28	26.46 0.69 -19.27	26.47 0.71 -19.21	26.14 0.74 -18.52	26.50 0.87 -17.54	26.84 0.83 -18.49	26.84 0.76 -18.93	29.90 0.99 -19.10	34.31 0.78 -26.09	37.83 0.86 -28.46	41.28 1.26 -27.81	42.13 0.82 -32.99	34.39 0.92 -24.40	28.31 1.23 -14.94	26.13 0.89 -16.07
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	20.84 0.37 -15.29	19.35 0.35 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.19 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.61 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.40 0.65 -24.24	34.57 0.93 -21.43	35.17 0.60 -26.26	31.06 0.67 -21.32	23.15 0.91 -10.10	20.94 0.66 -11.10
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	20.84 0.37 -15.29	19.35 0.35 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.19 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.53 0.61 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.40 0.65 -24.24	34.57 0.93 -21.43	35.17 0.60 -26.26	31.06 0.67 -21.32	23.17 0.92 -10.10	20.94 0.66 -11.10
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.63 0.51 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.57 0.60 -24.53	33.40 0.65 -24.24	34.56 0.92 -21.43	35.16 0.59 -26.26	31.06 0.66 -21.32	23.15 0.91 -10.10	20.93 0.65 -11.10

FARRAGUT___LBMP 323566	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.63 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.56 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.60 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.39 0.64 -24.24	34.55 0.90 -21.43	35.16 0.59 -26.26	31.06 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
FENNER___WINDPWR 24204	7.23 0.11 -1.94	6.96 0.10 -1.76	6.45 0.10 -1.74	4.75 0.06 -1.95	5.11 0.06 -1.96	6.28 0.10 -2.10	7.30 0.10 -3.01	8.48 0.11 -3.22	8.86 0.13 -2.38	8.84 0.14 -1.65	8.27 0.12 -1.65	8.28 0.14 -1.59	8.51 0.15 -1.48	9.61 0.15 -1.38	9.21 0.14 -1.55	9.20 0.11 -1.94	11.71 0.19 -1.71	10.56 0.15 -2.97	11.67 0.18 -2.98	15.19 0.32 -2.66	11.73 0.17 -3.24	11.90 0.18 -2.64	13.68 0.26 -1.28	10.79 0.21 -1.41
FIBERTEK___ENERGY 23856	6.99 0.05 -1.76	6.73 0.03 -1.60	6.21 0.02 -1.58	4.53 0.01 -1.77	4.89 0.02 -1.78	6.02 0.03 -1.91	6.97 0.04 -2.74	8.12 0.05 -2.93	8.58 0.06 -2.16	8.63 0.08 -1.50	8.07 0.07 -1.50	8.06 0.07 -1.45	8.30 0.08 -1.35	9.41 0.08 -1.25	9.01 0.08 -1.41	8.97 0.06 -1.76	11.48 0.11 -1.56	10.23 0.08 -2.71	11.34 0.12 -2.71	14.78 0.15 -2.43	11.37 0.10 -2.95	11.56 0.08 -2.40	13.41 0.10 -1.17	10.57 0.12 -1.28
FITZPATRICK___ 23598	6.29 -0.12 -1.23	6.09 -0.13 -1.12	5.60 -0.12 -1.10	3.92 -0.07 -1.23	4.25 -0.08 -1.24	5.32 -0.09 -1.33	6.00 -0.09 -1.91	7.06 -0.12 -2.04	7.71 -0.15 -1.51	7.93 -0.16 -1.05	7.40 -0.14 -1.05	7.41 -0.15 -1.01	7.66 -0.16 -0.94	8.78 -0.18 -0.87	8.34 -0.17 -0.98	8.21 -0.16 -1.23	10.68 -0.22 -1.08	9.16 -0.16 -1.89	10.21 -0.19 -1.89	13.64 -0.26 -1.69	10.18 -0.19 -2.06	10.54 -0.21 -1.67	12.69 -0.27 -0.81	9.92 -0.15 -0.89
FLOWRFLD_69_KV_BK1 356044	27.35 0.51 -21.65	21.69 0.51 -16.08	21.84 0.44 -16.79	20.12 0.26 -17.11	21.05 0.30 -17.65	26.58 0.38 -22.11	29.74 0.40 -25.15	31.01 0.46 -25.40	28.64 0.67 -21.63	28.09 0.76 -20.28	26.44 0.68 -19.27	26.45 0.69 -19.21	26.13 0.73 -18.52	26.48 0.86 -17.54	26.82 0.80 -18.49	26.88 0.80 -18.93	29.95 1.04 -19.10	34.36 0.83 -26.09	37.81 0.84 -28.46	41.26 1.23 -27.81	42.10 0.80 -32.99	34.47 1.00 -24.40	28.31 1.23 -14.94	26.13 0.88 -16.07
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	20.81 0.35 -15.27	19.32 0.34 -13.88	18.59 0.29 -13.68	18.25 0.17 -15.33	18.73 0.20 -15.43	20.85 0.25 -16.52	28.14 0.26 -23.69	30.83 0.33 -25.36	25.54 0.44 -18.75	20.59 0.51 -13.03	19.97 0.46 -13.01	19.59 0.48 -12.56	19.04 0.49 -11.68	19.50 0.58 -10.83	20.43 0.56 -12.34	23.34 0.53 -15.66	24.20 0.68 -13.71	32.27 0.51 -24.32	33.17 0.58 -24.08	34.40 0.85 -21.33	35.00 0.58 -26.11	30.90 0.62 -21.20	23.09 0.86 -10.08	20.87 0.61 -11.09
FORT ORANGE___ 23900	23.74 0.24 -18.32	21.98 0.23 -16.64	21.23 0.21 -16.41	21.26 0.13 -18.38	21.74 0.14 -18.51	24.08 0.19 -19.81	32.80 0.19 -28.42	35.76 0.22 -30.40	29.10 0.28 -22.47	22.97 0.30 -15.62	22.36 0.27 -15.59	21.84 0.28 -15.02	21.15 0.28 -14.00	21.40 0.34 -12.98	22.40 0.31 -14.57	25.34 0.30 -17.88	26.16 0.43 -15.92	34.99 0.33 -27.22	36.44 0.40 -27.53	37.55 0.57 -24.76	38.76 0.40 -30.04	33.99 0.42 -24.50	24.78 0.57 -12.06	22.84 0.40 -13.26
FORT_DRUM_COGEN 23780	6.18 0.06 -0.93	5.99 0.04 -0.85	5.21 0.05 -0.55	3.71 0.02 -0.94	3.97 0.03 -0.85	4.76 0.05 -0.62	5.26 0.03 -1.04	6.24 0.04 -1.06	6.78 0.00 -0.43	7.07 -0.02 -0.05	7.01 -0.03 -0.54	7.05 -0.01 -0.51	6.92 -0.03 -0.08	7.69 -0.09 0.31	7.70 -0.11 -0.29	7.20 -0.11 -0.16	9.26 -0.09 0.46	8.38 -0.05 -0.99	9.32 0.01 -0.80	13.56 0.07 -1.28	9.92 0.05 -1.55	9.23 0.03 -0.13	10.99 0.06 1.22	8.66 0.07 0.59
FPL_FAR_ROCK_GT1 24212	27.34 0.50 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.63 0.65 -21.63	28.08 0.75 -20.28	26.46 0.69 -19.27	26.47 0.71 -19.21	26.14 0.74 -18.52	26.50 0.87 -17.54	26.84 0.83 -18.49	26.84 0.77 -18.93	29.90 0.99 -19.10	34.31 0.78 -26.09	37.87 0.90 -28.46	41.28 1.26 -27.81	42.17 0.86 -32.99	34.39 0.92 -24.40	28.31 1.23 -14.94	26.13 0.89 -16.07
FPL_FAR_ROCK_GT2 23815	27.34 0.50 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.63 0.65 -21.63	28.08 0.75 -20.28	26.46 0.69 -19.27	26.47 0.71 -19.21	26.14 0.74 -18.52	26.50 0.87 -17.54	26.84 0.83 -18.49	26.84 0.77 -18.93	29.90 0.99 -19.10	34.31 0.78 -26.09	37.87 0.90 -28.46	41.28 1.26 -27.81	42.17 0.86 -32.99	34.39 0.92 -24.40	28.31 1.23 -14.94	26.13 0.89 -16.07
FRANKLIN_FALL_HYD 24054	5.07 -0.11 0.00	4.96 -0.14 0.00	3.10 -0.18 1.35	2.63 -0.12 0.00	2.49 -0.15 0.45	2.09 -0.20 1.79	2.09 -0.21 1.89	2.65 -0.22 2.28	2.74 -0.27 3.34	3.27 -0.30 3.48	5.02 -0.28 1.20	5.09 -0.27 1.19	3.59 -0.32 2.97	3.14 -0.41 4.53	5.00 -0.41 2.11	3.20 -0.39 3.57	3.35 -0.54 5.92	5.02 -0.39 2.03	5.16 -0.43 2.92	11.63 -0.59 0.00	7.93 -0.37 0.01	3.36 -0.43 5.29	3.02 -0.64 8.48	2.83 -0.50 5.84
FREEPORT_EQUS_GT1 23764	27.30 0.47 -21.65	21.63 0.45 -16.08	21.80 0.39 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.58 0.61 -21.63	28.03 0.70 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.80 0.72 -18.93	29.84 0.93 -19.10	34.26 0.74 -26.09	37.82 0.85 -28.46	41.17 1.15 -27.81	42.11 0.81 -32.99	34.34 0.86 -24.40	28.22 1.14 -14.94	26.07 0.83 -16.07
FREEPORT___CT2 23818	27.30 0.47 -21.65	21.63 0.45 -16.08	21.80 0.39 -16.79	20.10 0.24 -17.11	21.01 0.27 -17.65	26.54 0.34 -22.11	29.71 0.36 -25.15	30.96 0.42 -25.40	28.58 0.61 -21.63	28.03 0.70 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.78 0.77 -18.49	26.80 0.72 -18.93	29.84 0.93 -19.10	34.26 0.74 -26.09	37.82 0.85 -28.46	41.17 1.15 -27.81	42.11 0.81 -32.99	34.34 0.86 -24.40	28.22 1.14 -14.94	26.07 0.83 -16.07
FRESHKLS_33_KV_LOAD 356253	20.90 0.42 -15.29	19.39 0.40 -13.89	18.64 0.32 -13.70	18.29 0.19 -15.34	18.77 0.23 -15.45	20.89 0.27 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.70 0.57 -12.58	19.18 0.61 -11.69	19.65 0.73 -10.84	20.62 0.72 -12.38	23.57 0.66 -15.76	24.39 0.80 -13.77	32.56 0.59 -24.53	33.36 0.60 -24.24	34.48 0.83 -21.43	35.10 0.53 -26.26	31.14 0.74 -21.32	23.25 1.01 -10.10	21.04 0.76 -11.10
FULTON COGEN___ 23766	6.63 -0.03 -1.47	6.40 -0.04 -1.34	5.90 -0.04 -1.32	4.21 -0.02 -1.48	4.55 -0.03 -1.49	5.65 -0.02 -1.59	6.46 -0.02 -2.29	7.56 -0.03 -2.45	8.13 -0.03 -1.81	8.28 -0.03 -1.26	7.73 -0.02 -1.26	7.73 -0.03 -1.21	7.98 -0.03 -1.13	9.10 -0.03 -1.05	8.68 -0.02 -1.18	8.59 -0.03 -1.47	11.09 -0.02 -1.30	9.69 -0.01 -2.26	10.79 0.01 -2.27	14.23 -0.01 -2.03	10.78 0.00 -2.47	11.06 -0.03 -2.01	13.08 -0.04 -0.97	10.27 0.03 -1.07

FULTON___LFGE 323630	27.26 0.47 -21.61	25.17 0.44 -19.63	24.37 0.40 -19.35	24.67 0.23 -21.68	25.19 0.27 -21.83	27.85 0.40 -23.36	38.16 0.45 -33.52	41.62 0.51 -35.97	33.54 0.60 -26.59	26.11 0.58 -18.48	25.48 0.54 -18.45	24.88 0.56 -17.77	24.03 0.59 -16.56	24.09 0.65 -15.36	25.38 0.58 -17.29	28.97 0.49 -21.33	29.51 0.77 -18.93	40.65 0.64 -32.57	42.08 0.75 -32.82	42.98 1.32 -29.45	44.86 0.77 -35.78	39.04 0.81 -29.16	27.65 1.23 -14.27	25.71 0.84 -15.70
G.F.CEMENT___DRP 24184	24.61 0.30 -19.13	22.76 0.28 -17.38	22.00 0.25 -17.14	22.10 0.15 -19.20	22.59 0.17 -19.33	25.02 0.25 -20.69	34.19 0.28 -29.72	37.30 0.32 -31.83	30.27 0.39 -23.53	23.80 0.39 -16.36	23.19 0.37 -16.33	22.61 0.34 -15.72	21.90 0.37 -14.66	22.10 0.42 -13.59	23.16 0.39 -15.25	26.23 0.39 -18.68	27.03 0.58 -16.64	36.32 0.47 -28.41	37.78 0.54 -28.72	38.87 0.81 -25.86	40.24 0.57 -31.35	35.25 0.61 -25.57	25.52 0.77 -12.61	23.57 0.53 -13.87
GARDENVILLE___LBMP 24039	7.78 -0.08 -2.68	7.41 -0.12 -2.43	6.89 -0.12 -2.40	5.38 -0.06 -2.68	5.73 -0.06 -2.70	6.89 -0.09 -2.89	8.26 -0.08 -4.15	9.44 -0.15 -4.44	9.47 -0.17 -3.29	9.12 -0.20 -2.28	8.60 -0.18 -2.28	8.54 -0.20 -2.20	8.72 -0.21 -2.05	9.82 -0.16 -1.90	9.46 -0.20 -2.14	9.67 -0.15 -2.67	11.93 -0.22 -2.34	11.38 -0.13 -4.06	12.54 -0.09 -4.12	15.62 -0.27 -3.68	12.66 -0.14 -4.48	12.52 -0.20 -3.65	13.60 -0.32 -1.77	10.81 -0.30 -1.94
GARDNVLA_35_KV_LD 355827	7.82 -0.06 -2.69	7.45 -0.10 -2.45	6.93 -0.10 -2.41	5.40 -0.05 -2.70	5.76 -0.05 -2.72	6.93 -0.07 -2.91	8.31 -0.06 -4.18	9.49 -0.12 -4.47	9.52 -0.13 -3.31	9.17 -0.17 -2.30	8.64 -0.15 -2.29	8.60 -0.16 -2.21	8.77 -0.17 -2.06	9.87 -0.12 -1.91	9.52 -0.16 -2.16	9.72 -0.11 -2.69	12.00 -0.17 -2.36	11.45 -0.08 -4.10	12.60 -0.05 -4.14	15.69 -0.22 -3.70	12.72 -0.10 -4.51	12.59 -0.15 -3.67	13.66 -0.27 -1.78	10.87 -0.26 -1.95
GELCKHM___115KV_LOAD 80723	6.79 0.00 -1.61	6.55 -0.02 -1.46	6.04 -0.02 -1.44	4.36 -0.01 -1.62	4.70 -0.01 -1.63	5.82 0.00 -1.74	6.69 0.00 -2.50	7.82 0.00 -2.68	8.33 0.01 -1.98	8.43 0.01 -1.37	7.88 0.01 -1.37	7.88 0.01 -1.32	8.12 0.01 -1.23	9.23 0.01 -1.14	8.82 0.02 -1.29	8.77 0.01 -1.61	11.26 0.03 -1.42	9.93 0.02 -2.47	11.03 0.04 -2.48	14.46 0.04 -2.21	11.04 0.02 -2.70	11.27 0.00 -2.20	13.21 0.00 -1.06	10.39 0.05 -1.17
GENERAL___MILLS 23808	7.80 -0.07 -2.69	7.43 -0.11 -2.44	6.91 -0.11 -2.41	5.39 -0.06 -2.70	5.75 -0.06 -2.72	6.91 -0.08 -2.91	8.29 -0.07 -4.17	9.47 -0.14 -4.46	9.50 -0.15 -3.30	9.15 -0.19 -2.29	8.62 -0.17 -2.29	8.57 -0.18 -2.21	8.74 -0.19 -2.06	9.84 -0.15 -1.91	9.49 -0.19 -2.15	9.70 -0.14 -2.68	11.97 -0.20 -2.35	11.41 -0.11 -4.09	12.57 -0.08 -4.13	15.66 -0.24 -3.69	12.69 -0.12 -4.50	12.55 -0.18 -3.66	13.63 -0.29 -1.77	10.84 -0.28 -1.95
GE_PLASTICS___DRP 24183	23.73 0.21 -18.34	21.97 0.20 -16.66	21.23 0.18 -16.43	21.27 0.11 -18.41	21.75 0.12 -18.53	24.08 0.16 -19.84	32.78 0.16 -28.43	35.76 0.19 -30.43	29.10 0.25 -22.50	22.95 0.27 -15.64	22.35 0.25 -15.61	21.83 0.24 -15.04	21.15 0.26 -14.01	21.39 0.31 -13.00	22.41 0.28 -14.61	25.40 0.27 -17.98	26.16 0.37 -15.98	35.14 0.28 -27.42	36.55 0.33 -27.70	37.59 0.49 -24.89	38.85 0.32 -30.21	34.06 0.35 -24.63	24.71 0.47 -12.09	22.81 0.35 -13.29
GILBOA___1 23756	19.89 0.18 -14.54	18.48 0.17 -13.21	17.80 0.17 -13.02	17.44 0.10 -14.58	17.88 0.10 -14.69	19.93 0.13 -15.72	26.87 0.13 -22.55	29.44 0.16 -24.14	24.41 0.22 -17.85	19.70 0.25 -12.41	19.11 0.23 -12.38	18.72 0.23 -11.94	18.23 0.24 -11.11	18.67 0.28 -10.31	19.44 0.27 -11.65	21.91 0.25 -14.51	22.96 0.33 -12.81	29.96 0.25 -22.27	31.11 0.28 -22.32	32.55 0.40 -19.94	32.86 0.27 -24.28	29.14 0.30 -19.77	22.15 0.41 -9.59	20.01 0.29 -10.54
GILBOA___2 23757	19.89 0.18 -14.54	18.48 0.17 -13.21	17.80 0.17 -13.02	17.44 0.10 -14.58	17.88 0.10 -14.69	19.93 0.13 -15.72	26.87 0.13 -22.55	29.44 0.16 -24.14	24.41 0.22 -17.85	19.70 0.25 -12.41	19.11 0.23 -12.38	18.72 0.23 -11.94	18.23 0.24 -11.11	18.67 0.28 -10.31	19.44 0.27 -11.65	21.91 0.25 -14.51	22.96 0.33 -12.81	29.96 0.25 -22.27	31.11 0.28 -22.32	32.55 0.40 -19.94	32.86 0.27 -24.28	29.14 0.30 -19.77	22.15 0.41 -9.59	20.01 0.29 -10.54
GILBOA___3 23758	19.89 0.18 -14.54	18.48 0.17 -13.21	17.80 0.17 -13.02	17.44 0.10 -14.58	17.88 0.10 -14.69	19.93 0.13 -15.72	26.87 0.13 -22.55	29.44 0.16 -24.14	24.41 0.22 -17.85	19.70 0.25 -12.41	19.11 0.23 -12.38	18.72 0.23 -11.94	18.23 0.24 -11.11	18.67 0.28 -10.31	19.44 0.27 -11.65	21.91 0.25 -14.51	22.96 0.33 -12.81	29.96 0.25 -22.27	31.11 0.28 -22.32	32.55 0.40 -19.94	32.86 0.27 -24.28	29.14 0.30 -19.77	22.15 0.41 -9.59	20.01 0.29 -10.54
GILBOA___4 23759	19.89 0.18 -14.54	18.48 0.17 -13.21	17.80 0.17 -13.02	17.44 0.10 -14.58	17.88 0.10 -14.69	19.93 0.13 -15.72	26.87 0.13 -22.55	29.44 0.16 -24.14	24.41 0.22 -17.85	19.70 0.25 -12.41	19.11 0.23 -12.38	18.72 0.23 -11.94	18.23 0.24 -11.11	18.67 0.28 -10.31	19.44 0.27 -11.65	21.91 0.25 -14.51	22.96 0.33 -12.81	29.96 0.25 -22.27	31.11 0.28 -22.32	32.55 0.40 -19.94	32.86 0.27 -24.28	29.14 0.30 -19.77	22.15 0.41 -9.59	20.01 0.29 -10.54
GILBOA___ 23599	19.89 0.18 -14.54	18.48 0.17 -13.21	17.80 0.17 -13.02	17.44 0.10 -14.58	17.88 0.10 -14.69	19.93 0.13 -15.72	26.87 0.13 -22.55	29.44 0.16 -24.14	24.41 0.22 -17.85	19.70 0.25 -12.41	19.11 0.23 -12.38	18.72 0.23 -11.94	18.23 0.24 -11.11	18.67 0.28 -10.31	19.44 0.27 -11.65	21.91 0.25 -14.51	22.96 0.33 -12.81	29.96 0.25 -22.27	31.11 0.28 -22.32	32.56 0.40 -19.94	32.86 0.27 -24.28	29.14 0.30 -19.77	22.15 0.41 -9.59	20.01 0.29 -10.54
GINNA___ 23603	6.94 -0.21 -1.97	6.65 -0.24 -1.79	6.16 -0.22 -1.76	4.60 -0.13 -1.97	4.94 -0.14 -1.99	6.04 -0.17 -2.13	7.07 -0.18 -3.05	8.19 -0.22 -3.27	8.50 -0.26 -2.42	8.43 -0.30 -1.68	7.91 -0.26 -1.68	7.88 -0.29 -1.62	8.07 -0.31 -1.50	9.15 -0.32 -1.40	8.78 -0.32 -1.58	8.82 -0.29 -1.96	11.16 -0.39 -1.74	10.17 -0.30 -3.03	11.20 -0.35 -3.03	14.45 -0.48 -2.71	11.27 -0.34 -3.30	11.39 -0.37 -2.69	12.93 -0.52 -1.30	10.19 -0.41 -1.43
GLEN PARK___ 23778	6.22 0.08 -0.96	6.04 0.06 -0.88	5.28 0.07 -0.59	3.75 0.03 -0.97	4.02 0.04 -0.88	4.84 0.07 -0.68	5.35 0.05 -1.11	6.34 0.06 -1.14	6.88 0.03 -0.51	7.17 0.01 -0.12	7.05 -0.03 -0.58	7.12 0.02 -0.55	7.00 -0.01 -0.13	7.78 -0.06 0.23	7.78 -0.08 -0.35	7.30 -0.09 -0.24	9.41 -0.05 0.35	8.48 -0.02 -1.07	9.41 0.01 -0.89	13.69 0.16 -1.32	9.99 0.07 -1.61	9.39 0.07 -0.24	11.18 0.12 1.08	8.81 0.12 0.49
GLENDALE_27_KV_LOAD 356172	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.19 -15.34	18.76 0.22 -15.45	20.89 0.27 -16.54	28.19 0.28 -23.72	30.91 0.37 -25.39	25.65 0.53 -18.78	20.72 0.62 -13.05	20.10 0.58 -13.03	19.73 0.60 -12.58	19.20 0.63 -11.69	19.67 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.39 0.80 -13.77	32.60 0.63 -24.53	33.42 0.67 -24.24	34.60 0.95 -21.43	35.19 0.62 -26.26	31.10 0.71 -21.32	23.20 0.96 -10.10	20.99 0.72 -11.10

GLENWOOD_IC_1_G5 23712	27.25 0.42 -21.65	21.58 0.40 -16.08	21.75 0.35 -16.79	20.07 0.21 -17.11	20.98 0.24 -17.65	26.50 0.30 -22.11	29.67 0.32 -25.15	30.93 0.39 -25.40	28.53 0.55 -21.63	27.97 0.64 -20.28	26.34 0.57 -19.27	26.35 0.59 -19.21	26.02 0.62 -18.52	26.36 0.74 -17.54	26.74 0.73 -18.49	26.75 0.67 -18.93	29.78 0.87 -19.10	34.18 0.65 -26.09	37.64 0.67 -28.46	40.99 0.96 -27.81	41.93 0.62 -32.99	34.18 0.71 -24.40	28.10 1.02 -14.94	25.99 0.74 -16.07
GLENWOOD_IC_2_G1 23688	27.22 0.39 -21.65	21.56 0.38 -16.08	21.73 0.32 -16.79	20.05 0.19 -17.11	20.97 0.23 -17.65	26.48 0.28 -22.11	29.64 0.30 -25.15	30.91 0.37 -25.40	28.50 0.52 -21.63	27.92 0.60 -20.28	26.32 0.55 -19.27	26.34 0.58 -19.21	26.00 0.60 -18.52	26.33 0.71 -17.54	26.70 0.68 -18.49	26.71 0.63 -18.93	29.71 0.80 -19.10	34.15 0.62 -26.09	37.68 0.71 -28.46	41.00 0.98 -27.81	41.97 0.67 -32.99	34.19 0.72 -24.40	28.03 0.95 -14.94	25.93 0.69 -16.07
GLENWOOD_IC_3_G1 23689	27.22 0.39 -21.65	21.56 0.38 -16.08	21.73 0.32 -16.79	20.05 0.19 -17.11	20.97 0.23 -17.65	26.48 0.28 -22.11	29.64 0.30 -25.15	30.91 0.37 -25.40	28.50 0.52 -21.63	27.92 0.60 -20.28	26.32 0.55 -19.27	26.34 0.58 -19.21	26.00 0.60 -18.52	26.33 0.71 -17.54	26.70 0.68 -18.49	26.71 0.63 -18.93	29.71 0.80 -19.10	34.15 0.62 -26.09	37.68 0.71 -28.46	41.00 0.98 -27.81	41.97 0.67 -32.99	34.19 0.72 -24.40	28.03 0.95 -14.94	25.93 0.69 -16.07
GLENWOOD___4 23550	27.25 0.42 -21.65	21.58 0.40 -16.08	21.75 0.35 -16.79	20.07 0.21 -17.11	20.98 0.24 -17.65	26.50 0.30 -22.11	29.67 0.32 -25.15	30.93 0.39 -25.40	28.53 0.55 -21.63	27.97 0.64 -20.28	26.35 0.58 -19.27	26.36 0.60 -19.21	26.03 0.63 -18.52	26.37 0.74 -17.54	26.74 0.73 -18.49	26.75 0.67 -18.93	29.78 0.87 -19.10	34.19 0.66 -26.09	37.66 0.69 -28.46	41.02 1.00 -27.81	41.95 0.65 -32.99	34.21 0.74 -24.40	28.10 1.02 -14.94	25.99 0.74 -16.07
GLENWOOD___5 23614	27.25 0.42 -21.65	21.58 0.40 -16.08	21.75 0.35 -16.79	20.07 0.21 -17.11	20.98 0.24 -17.65	26.50 0.30 -22.11	29.67 0.32 -25.15	30.93 0.39 -25.40	28.53 0.55 -21.63	27.97 0.64 -20.28	26.35 0.58 -19.27	26.36 0.60 -19.21	26.03 0.63 -18.52	26.37 0.74 -17.54	26.74 0.73 -18.49	26.75 0.67 -18.93	29.78 0.87 -19.10	34.19 0.66 -26.09	37.66 0.69 -28.46	41.02 1.00 -27.81	41.95 0.65 -32.99	34.21 0.74 -24.40	28.10 1.02 -14.94	25.99 0.74 -16.07
GLOBAL GREEN_PORT_GT1 23814	27.48 0.65 -21.65	21.82 0.64 -16.08	21.96 0.56 -16.79	20.20 0.34 -17.11	21.13 0.39 -17.65	26.68 0.49 -22.11	29.86 0.52 -25.15	31.15 0.61 -25.40	28.83 0.85 -21.63	28.28 0.96 -20.28	26.63 0.86 -19.27	26.63 0.87 -19.21	26.31 0.91 -18.52	26.70 1.08 -17.54	27.01 1.00 -18.49	27.11 1.03 -18.93	30.31 1.40 -19.10	34.64 1.12 -26.09	38.28 1.31 -28.46	41.67 1.65 -27.81	42.55 1.25 -32.99	34.83 1.36 -24.40	28.73 1.65 -14.94	26.41 1.17 -16.07
GLOBE___DSASP 323697	7.48 -0.19 -2.49	7.14 -0.22 -2.27	6.64 -0.21 -2.23	5.14 -0.11 -2.50	5.49 -0.11 -2.51	6.62 -0.16 -2.69	7.89 -0.16 -3.86	8.98 -0.27 -4.11	9.08 -0.31 -3.04	8.78 -0.39 -2.12	8.30 -0.32 -2.12	8.22 -0.37 -2.04	8.38 -0.40 -1.90	9.46 -0.39 -1.77	9.11 -0.41 -1.99	9.29 -0.34 -2.48	11.52 -0.47 -2.18	10.87 -0.34 -3.78	11.86 -0.43 -3.78	14.96 -0.64 -3.38	11.98 -0.45 -4.11	11.94 -0.44 -3.31	13.15 -0.59 -1.60	10.42 -0.51 -1.76
GOETHSLN___LBMP 323567	20.83 0.35 -15.29	19.33 0.34 -13.89	18.60 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.49 0.58 -15.76	24.30 0.72 -13.77	32.54 0.57 -24.53	33.38 0.63 -24.24	34.54 0.89 -21.43	35.14 0.57 -26.26	31.03 0.64 -21.32	23.13 0.89 -10.10	20.91 0.63 -11.10
GOLAH___69_KV_TB 1_2 80279	7.27 0.06 -2.03	6.97 0.03 -1.84	6.46 0.03 -1.82	4.80 0.02 -2.04	5.16 0.02 -2.05	6.33 0.05 -2.19	7.38 0.04 -3.15	8.55 0.04 -3.37	8.90 0.06 -2.49	8.83 0.06 -1.73	8.27 0.05 -1.73	8.24 0.02 -1.67	8.44 0.01 -1.55	9.56 0.04 -1.44	9.15 0.01 -1.63	9.19 0.01 -2.03	11.62 0.01 -1.80	10.58 0.01 -3.12	11.72 0.07 -3.14	15.04 0.02 -2.81	11.78 0.05 -3.42	11.89 0.04 -2.78	13.46 -0.04 -1.35	10.60 -0.06 -1.48
GOODYEAR_LAKE_HYD 323669	8.97 0.20 -3.60	8.55 0.18 -3.27	8.02 0.18 -3.22	6.47 0.11 -3.61	6.84 0.12 -3.63	8.14 0.17 -3.89	9.95 0.17 -5.59	11.35 0.21 -5.99	11.04 0.26 -4.43	10.41 0.28 -3.08	9.84 0.27 -3.07	9.80 0.29 -2.96	9.93 0.30 -2.76	10.96 0.32 -2.56	10.70 0.29 -2.89	11.03 0.28 -3.60	13.38 0.39 -3.18	13.26 0.30 -5.52	14.39 0.36 -5.52	17.67 0.53 -4.93	14.68 0.36 -6.00	14.35 0.39 -4.89	15.01 0.50 -2.37	12.14 0.36 -2.61
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	10.08 0.11 -4.78	9.54 0.09 -4.34	8.98 0.08 -4.28	7.60 0.05 -4.80	7.98 0.06 -4.83	9.34 0.08 -5.17	11.70 0.09 -7.42	13.18 0.10 -7.94	12.35 0.13 -5.87	11.27 0.15 -4.08	10.70 0.13 -4.07	10.60 0.12 -3.93	10.67 0.14 -3.66	11.64 0.17 -3.39	11.51 0.16 -3.83	12.07 0.15 -4.77	14.24 0.22 -4.21	14.93 0.17 -7.32	16.05 0.21 -7.32	19.04 0.28 -6.54	16.48 0.20 -7.97	15.75 0.19 -6.49	15.52 0.23 -3.15	12.81 0.17 -3.46
GOUDEY___7 23579	10.08 0.12 -4.78	9.54 0.10 -4.34	8.99 0.09 -4.28	7.60 0.05 -4.80	7.98 0.06 -4.83	9.34 0.09 -5.17	11.70 0.10 -7.42	13.19 0.10 -7.94	12.36 0.14 -5.87	11.28 0.15 -4.08	10.71 0.14 -4.07	10.61 0.13 -3.93	10.68 0.14 -3.66	11.65 0.18 -3.39	11.52 0.17 -3.83	12.08 0.16 -4.77	14.26 0.24 -4.21	14.94 0.19 -7.32	16.05 0.22 -7.32	19.05 0.29 -6.54	16.49 0.21 -7.97	15.76 0.20 -6.49	15.53 0.24 -3.15	12.81 0.18 -3.46
GOUDEY___8 23580	10.08 0.11 -4.78	9.54 0.09 -4.34	8.98 0.08 -4.28	7.60 0.05 -4.80	7.98 0.06 -4.83	9.34 0.08 -5.17	11.70 0.09 -7.42	13.18 0.10 -7.94	12.35 0.13 -5.87	11.27 0.15 -4.08	10.70 0.13 -4.07	10.60 0.12 -3.93	10.67 0.14 -3.66	11.64 0.17 -3.39	11.51 0.16 -3.83	12.07 0.15 -4.77	14.24 0.22 -4.21	14.93 0.17 -7.32	16.05 0.21 -7.32	19.04 0.28 -6.54	16.48 0.20 -7.97	15.75 0.19 -6.49	15.52 0.23 -3.15	12.81 0.17 -3.46
GOWANUS_GT1_1 24077	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT1_2 24078	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10

GOWANUS_GT1_3 24079	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT1_4 24080	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT1_5 24084	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT1_6 24111	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT1_7 24112	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT1_8 24113	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT2_1 24114	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43				

GOWANUS_GT3_2 24123	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT3_3 24124	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT3_4 24125	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT3_5 24126	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT3_6 24127	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT3_7 24128	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GOWANUS_GT3_8 24129	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43				

GREENBSH_115KV_TB3 55895	23.81 0.22 -18.41	22.05 0.22 -16.73	21.31 0.20 -16.49	21.34 0.12 -18.47	21.82 0.13 -18.60	24.17 0.18 -19.91	32.91 0.17 -28.55	35.90 0.21 -30.55	29.20 0.27 -22.59	23.03 0.29 -15.70	22.43 0.27 -15.67	21.90 0.26 -15.09	21.22 0.28 -14.07	21.46 0.33 -13.05	22.46 0.30 -14.64	25.39 0.29 -17.95	26.20 0.41 -15.98	35.06 0.31 -27.31	36.52 0.37 -27.64	37.61 0.53 -24.88	38.84 0.36 -30.17	34.06 0.38 -24.60	24.79 0.52 -12.13	22.88 0.38 -13.33
GREENDGE_115KV_TB5 80291	8.38 0.19 -3.00	7.99 0.16 -2.73	7.44 0.13 -2.69	5.85 0.08 -3.01	6.22 0.10 -3.03	7.49 0.16 -3.25	9.04 0.19 -4.66	10.34 0.21 -4.99	10.29 0.25 -3.69	9.89 0.28 -2.56	9.32 0.26 -2.56	9.26 0.24 -2.47	9.44 0.26 -2.30	10.51 0.30 -2.13	10.22 0.29 -2.41	10.41 0.26 -3.00	12.78 0.26 -2.71	12.36 0.21 -4.71	13.53 0.30 -4.72	16.82 0.39 -4.22	13.72 0.27 -5.13	13.48 0.23 -4.18	14.43 0.26 -2.03	11.60 0.20 -2.23
GREENIDGE___3 23582	8.38 0.19 -3.00	7.99 0.16 -2.73	7.44 0.13 -2.69	5.85 0.08 -3.01	6.22 0.10 -3.03	7.49 0.16 -3.25	9.04 0.19 -4.66	10.34 0.21 -4.99	10.29 0.25 -3.69	9.89 0.28 -2.56	9.32 0.26 -2.56	9.26 0.24 -2.47	9.44 0.26 -2.30	10.51 0.30 -2.13	10.22 0.29 -2.41	10.41 0.26 -3.00	12.78 0.26 -2.71	12.36 0.21 -4.71	13.53 0.30 -4.72	16.82 0.39 -4.22	13.72 0.27 -5.13	13.48 0.23 -4.18	14.43 0.26 -2.03	11.60 0.20 -2.23
GREENIDGE___4 23583	8.38 0.19 -3.00	7.99 0.16 -2.73	7.44 0.13 -2.69	5.85 0.08 -3.01	6.22 0.10 -3.03	7.49 0.16 -3.25	9.04 0.19 -4.66	10.34 0.21 -4.99	10.29 0.25 -3.69	9.89 0.28 -2.56	9.32 0.27 -2.56	9.26 0.24 -2.47	9.44 0.26 -2.30	10.51 0.30 -2.13	10.22 0.29 -2.41	10.41 0.26 -3.00	12.78 0.26 -2.71	12.36 0.21 -4.71	13.46 0.23 -4.72	16.82 0.39 -4.22	13.66 0.22 -5.13	13.48 0.23 -4.18	14.43 0.26 -2.03	11.60 0.20 -2.23
GREENLWN_69_KV_BK 3 55738	27.31 0.48 -21.65	21.65 0.47 -16.08	21.81 0.41 -16.79	20.10 0.24 -17.11	21.02 0.28 -17.65	26.55 0.35 -22.11	29.72 0.38 -25.15	30.97 0.43 -25.40	28.60 0.63 -21.63	28.04 0.72 -20.28	26.42 0.65 -19.27	26.43 0.67 -19.21	26.10 0.70 -18.52	26.45 0.82 -17.54	26.79 0.78 -18.49	26.82 0.74 -18.93	29.87 0.96 -19.10	34.29 0.77 -26.09	37.78 0.81 -28.46	41.21 1.18 -27.81	42.07 0.76 -32.99	34.36 0.89 -24.40	28.25 1.17 -14.94	26.09 0.84 -16.07
GREENWD_138_KV_38B11_REV_LBMP_J 345004	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.16 0.59 -26.26	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
GRISSOM___SOLAR 323813	27.26 0.47 -21.61	25.17 0.44 -19.63	24.37 0.40 -19.35	24.67 0.23 -21.68	25.19 0.27 -21.83	27.85 0.40 -23.36	38.16 0.45 -33.52	41.62 0.51 -35.97	33.54 0.60 -26.59	26.11 0.58 -18.48	25.48 0.54 -18.45	24.88 0.56 -17.77	24.03 0.59 -16.56	24.09 0.65 -15.36	25.38 0.58 -17.29	28.97 0.49 -21.33	29.51 0.77 -18.93	40.65 0.64 -32.57	42.08 0.75 -32.82	42.98 1.32 -29.45	44.86 0.77 -35.78	39.04 0.81 -29.16	27.65 1.23 -14.27	25.71 0.84 -15.70
GROVEVILLE___HYD 323602	20.81 0.35 -15.27	19.32 0.34 -13.88	18.59 0.29 -13.68	18.25 0.17 -15.33	18.73 0.20 -15.43	20.85 0.25 -16.52	28.14 0.26 -23.69	30.83 0.33 -25.36	25.54 0.44 -18.75	20.59 0.51 -13.03	19.97 0.46 -13.01	19.59 0.48 -12.56	19.04 0.49 -11.68	19.50 0.58 -10.83	20.43 0.56 -12.34	23.34 0.53 -15.66	24.20 0.68 -13.71	32.27 0.51 -24.32	33.17 0.58 -24.08	34.40 0.85 -21.33	35.00 0.58 -26.11	30.90 0.62 -21.20	23.09 0.86 -10.08	20.87 0.61 -11.09
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	6.99 0.05 -1.76	6.73 0.03 -1.60	6.21 0.02 -1.58	4.53 0.01 -1.77	4.89 0.02 -1.78	6.02 0.03 -1.91	6.97 0.04 -2.74	8.12 0.05 -2.93	8.58 0.06 -2.16	8.63 0.08 -1.50	8.07 0.07 -1.50	8.06 0.07 -1.45	8.30 0.08 -1.35	9.41 0.08 -1.25	9.01 0.08 -1.41	8.97 0.06 -1.76	11.48 0.11 -1.56	10.23 0.08 -2.71	11.34 0.12 -2.71	14.78 0.15 -2.43	11.37 0.10 -2.95	11.56 0.08 -2.40	13.41 0.10 -1.17	10.57 0.12 -1.28
HAMLTNNY_34_KV_TB 80303	7.09 0.06 -1.86	6.82 0.04 -1.69	6.31 0.03 -1.66	4.63 0.02 -1.86	4.98 0.02 -1.88	6.13 0.04 -2.01	7.13 0.05 -2.88	8.28 0.06 -3.08	8.70 0.08 -2.28	8.72 0.09 -1.58	8.16 0.08 -1.58	8.15 0.08 -1.52	8.39 0.09 -1.42	9.50 0.11 -1.32	9.11 0.11 -1.49	9.10 0.10 -1.85	11.61 0.16 -1.64	10.40 0.11 -2.85	11.51 0.14 -2.86	14.94 0.17 -2.56	11.55 0.12 -3.11	11.73 0.12 -2.53	13.50 0.12 -1.23	10.65 0.13 -1.35
HAMPSHIRE___PAPER_HYD 323593	5.60 -0.07 -0.49	5.48 -0.07 -0.45	4.21 -0.08 0.32	3.20 -0.05 -0.49	3.28 -0.05 -0.24	3.53 -0.07 0.49	3.80 -0.08 0.31	4.57 -0.10 0.48	4.91 -0.15 1.29	5.30 -0.19 1.56	6.03 -0.20 0.26	6.10 -0.18 0.27	5.32 -0.25 1.31	5.52 -0.34 2.22	6.37 -0.35 0.80	5.27 -0.34 1.54	6.44 -0.44 2.93	6.70 -0.33 0.41	7.24 -0.37 0.91	12.44 -0.44 -0.67	8.82 -0.30 -0.80	6.44 -0.30 2.33	7.34 -0.32 4.49	6.01 -0.20 2.96
HARDSCRABBLE_WT_PWR 323673	5.21 0.03 0.00	5.12 0.02 0.00	4.70 0.02 -0.06	2.76 0.01 0.00	3.13 0.02 -0.02	4.19 0.02 -0.08	4.29 0.01 -0.09	5.27 0.02 -0.10	6.52 0.03 -0.15	7.23 0.03 -0.16	6.58 0.03 -0.05	6.65 0.05 -0.05	7.06 0.05 -0.13	8.32 0.03 -0.20	7.63 0.02 -0.10	7.29 -0.02 -0.16	10.05 -0.03 -0.27	7.51 -0.02 -0.09	8.62 -0.03 -0.13	12.24 0.02 0.00	8.27 -0.04 0.00	9.26 -0.05 -0.24	12.49 -0.04 -0.38	9.41 -0.03 -0.26
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	19.91 0.33 -14.40	18.50 0.32 -13.08	17.79 0.27 -12.90	17.36 0.16 -14.45	17.83 0.19 -14.55	19.89 0.23 -15.57	26.77 0.24 -22.33	29.37 0.31 -23.91	24.46 0.44 -17.68	19.83 0.50 -12.29	19.22 0.46 -12.26	18.87 0.48 -11.84	18.38 0.50 -11.01	18.88 0.59 -10.21	19.73 0.56 -11.65	22.49 0.51 -14.82	23.43 0.67 -12.95	31.00 0.51 -23.05	31.88 0.58 -22.79	33.22 0.84 -20.16	33.58 0.57 -24.69	29.71 0.58 -20.05	22.48 0.83 -9.51	20.22 0.60 -10.45
HARSNRAD_115KV_TB1 81005	7.56 -0.09 -2.47	7.21 -0.13 -2.24	6.70 -0.13 -2.21	5.17 -0.06 -2.48	5.52 -0.06 -2.49	6.66 -0.09 -2.67	7.92 -0.10 -3.83	9.04 -0.20 -4.10	9.16 -0.22 -3.03	8.88 -0.27 -2.11	8.35 -0.25 -2.10	8.31 -0.27 -2.03	8.48 -0.29 -1.89	9.59 -0.24 -1.75	9.20 -0.29 -1.98	9.38 -0.23 -2.46	11.65 -0.32 -2.16	10.98 -0.22 -3.76	12.10 -0.20 -3.79	15.17 -0.43 -3.39	12.20 -0.24 -4.13	12.12 -0.31 -3.36	13.36 -0.41 -1.63	10.58 -0.38 -1.79
HARZA MOOSE___RIVER 24016	5.88 0.07 -0.62	5.73 0.06 -0.56	5.05 0.05 -0.39	3.40 0.03 -0.62	3.70 0.03 -0.57	4.59 0.05 -0.45	4.95 0.03 -0.73	5.94 0.04 -0.75	6.73 0.03 -0.35	7.16 0.01 -0.10	6.89 0.01 -0.38	6.94 0.03 -0.36	7.00 0.01 -0.11	7.94 -0.02 0.12	7.72 -0.03 -0.23	7.28 -0.05 -0.18	9.58 -0.04 0.19	8.12 -0.02 -0.70	9.14 0.03 -0.59	13.15 0.09 -0.85	9.41 0.06 -1.04	9.29 0.03 -0.19	11.56 0.06 0.64	8.96 0.06 0.27

HDSNBRDG_115KV_BRDG_TB1 355580	6.80 0.01 -1.61	6.56 -0.01 -1.46	6.05 -0.01 -1.44	4.36 -0.01 -1.62	4.71 -0.01 -1.63	5.83 0.00 -1.74	6.70 0.01 -2.50	7.83 0.01 -2.68	8.34 0.01 -1.98	8.44 0.02 -1.38	7.89 0.02 -1.37	7.89 0.01 -1.32	8.13 0.02 -1.23	9.25 0.02 -1.14	8.84 0.03 -1.29	8.78 0.02 -1.61	11.27 0.04 -1.42	9.94 0.03 -2.47	11.04 0.05 -2.48	14.48 0.05 -2.22	11.05 0.04 -2.70	11.29 0.02 -2.20	13.22 0.01 -1.07	10.40 0.06 -1.17
HELLGATE_13_KV_LD 55870	20.86 0.38 -15.29	19.36 0.37 -13.89	18.62 0.30 -13.70	18.28 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.70 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.38 0.63 -24.24	34.54 0.89 -21.43	35.14 0.57 -26.26	31.06 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	20.86 0.38 -15.29	19.36 0.37 -13.89	18.62 0.30 -13.70	18.28 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.70 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.38 0.63 -24.24	34.54 0.89 -21.43	35.14 0.57 -26.26	31.06 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
HEMPSTEAD____ 23647	27.26 0.42 -21.65	21.59 0.41 -16.08	21.76 0.35 -16.79	20.07 0.21 -17.11	20.99 0.24 -17.65	26.50 0.31 -22.11	29.67 0.32 -25.15	30.92 0.38 -25.40	28.53 0.55 -21.63	27.97 0.64 -20.28	26.35 0.58 -19.27	26.36 0.60 -19.21	26.02 0.63 -18.52	26.36 0.74 -17.54	26.72 0.71 -18.49	26.75 0.67 -18.93	29.77 0.86 -19.10	34.20 0.67 -26.09	37.73 0.77 -28.46	41.05 1.03 -27.81	42.02 0.72 -32.99	34.24 0.77 -24.40	28.10 1.02 -14.94	25.99 0.74 -16.07
HEWLETT__69_KV_BK3 55828	27.31 0.48 -21.65	21.64 0.46 -16.08	21.81 0.40 -16.79	20.10 0.24 -17.11	21.02 0.28 -17.65	26.55 0.35 -22.11	29.72 0.37 -25.15	30.98 0.44 -25.40	28.60 0.63 -21.63	28.05 0.73 -20.28	26.43 0.66 -19.27	26.44 0.68 -19.21	26.11 0.72 -18.52	26.46 0.84 -17.54	26.81 0.80 -18.49	26.81 0.73 -18.93	29.86 0.95 -19.10	34.28 0.75 -26.09	37.80 0.83 -28.46	41.23 1.21 -27.81	42.08 0.78 -32.99	34.35 0.87 -24.40	28.26 1.18 -14.94	26.10 0.85 -16.07
HICKLING__1 23621	9.18 0.16 -3.85	8.72 0.13 -3.49	8.17 0.10 -3.45	6.68 0.06 -3.86	7.05 0.07 -3.89	8.36 0.11 -4.16	10.30 0.14 -5.97	11.67 0.14 -6.39	11.25 0.18 -4.72	10.53 0.20 -3.28	9.95 0.18 -3.28	9.87 0.16 -3.16	10.00 0.19 -2.94	11.05 0.24 -2.73	10.83 0.23 -3.08	11.22 0.23 -3.84	13.54 0.34 -3.38	13.60 0.28 -5.88	14.72 0.33 -5.88	17.89 0.43 -5.25	15.01 0.30 -6.40	14.57 0.29 -5.21	14.97 0.30 -2.53	12.18 0.23 -2.78
HICKLING__2 23622	9.18 0.16 -3.85	8.72 0.13 -3.49	8.17 0.10 -3.45	6.68 0.06 -3.86	7.05 0.07 -3.89	8.36 0.11 -4.16	10.30 0.14 -5.97	11.67 0.14 -6.39	11.25 0.18 -4.72	10.53 0.20 -3.28	9.95 0.18 -3.28	9.87 0.16 -3.16	10.00 0.19 -2.94	11.05 0.24 -2.73	10.83 0.23 -3.08	11.22 0.23 -3.84	13.54 0.34 -3.38	13.60 0.28 -5.88	14.72 0.33 -5.88	17.89 0.43 -5.25	15.01 0.30 -6.40	14.57 0.29 -5.21	14.97 0.30 -2.53	12.18 0.23 -2.78
HIGH FALLS__HY 23754	20.21 0.35 -14.68	18.77 0.33 -13.34	18.05 0.28 -13.15	17.65 0.17 -14.73	18.12 0.20 -14.84	20.20 0.24 -15.88	27.21 0.25 -22.78	29.85 0.32 -24.38	24.82 0.44 -18.03	20.09 0.51 -12.53	19.46 0.46 -12.51	19.11 0.50 -12.07	18.61 0.51 -11.23	19.09 0.60 -10.41	19.94 0.59 -11.84	22.61 0.52 -14.94	23.59 0.67 -13.11	31.06 0.51 -23.12	32.08 0.60 -22.98	33.51 0.89 -20.40	33.85 0.61 -24.93	29.93 0.59 -20.26	22.72 0.89 -9.69	20.46 0.63 -10.66
HILLBURN__GT 23639	20.15 0.34 -14.63	18.72 0.32 -13.29	18.00 0.28 -13.11	17.60 0.17 -14.68	18.06 0.19 -14.78	20.14 0.24 -15.82	27.14 0.25 -22.70	29.76 0.32 -24.30	24.76 0.44 -17.96	20.05 0.52 -12.49	19.44 0.48 -12.46	19.08 0.50 -12.03	18.59 0.52 -11.19	19.07 0.61 -10.38	19.95 0.59 -11.84	22.75 0.53 -15.07	23.66 0.68 -13.17	31.39 0.52 -23.43	32.26 0.59 -23.17	33.56 0.85 -20.49	33.96 0.55 -25.10	30.03 0.58 -20.38	22.63 0.83 -9.66	20.38 0.59 -10.62
HILLSIDE_115KV_TB1 80332	9.22 0.08 -3.96	8.75 0.05 -3.60	8.21 0.04 -3.55	6.76 0.03 -3.97	7.13 0.03 -4.00	8.42 0.05 -4.28	10.40 0.07 -6.15	11.78 0.06 -6.58	11.30 0.08 -4.86	10.52 0.09 -3.38	9.95 0.08 -3.37	9.87 0.07 -3.25	9.98 0.08 -3.03	11.01 0.11 -2.81	10.79 0.10 -3.17	11.21 0.10 -3.95	13.46 0.16 -3.49	13.64 0.13 -6.06	14.74 0.16 -6.06	17.81 0.18 -5.42	15.05 0.13 -6.60	14.55 0.11 -5.37	14.85 0.10 -2.60	12.10 0.06 -2.86
HISHELDN_WT_PWR 323625	7.96 -0.11 -2.89	7.58 -0.15 -2.63	7.06 -0.15 -2.59	5.58 -0.08 -2.90	5.93 -0.08 -2.92	7.10 -0.11 -3.13	8.57 -0.11 -4.49	9.77 -0.18 -4.80	9.70 -0.20 -3.55	9.27 -0.24 -2.47	8.77 -0.19 -2.46	8.69 -0.24 -2.38	8.86 -0.23 -2.21	9.94 -0.19 -2.05	9.62 -0.22 -2.32	9.87 -0.16 -2.89	12.12 -0.19 -2.50	11.67 -0.10 -4.34	12.72 -0.14 -4.35	15.88 -0.22 -3.88	12.87 -0.17 -4.73	12.74 -0.18 -3.85	13.72 -0.29 -1.87	10.94 -0.28 -2.05
HOLTSVILLE_IC_1 23690	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.55 0.36 -22.11	29.72 0.37 -25.15	30.97 0.43 -25.40	28.61 0.63 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.08 0.68 -18.52	26.42 0.80 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.85 0.94 -19.10	34.28 0.75 -26.09	37.85 0.89 -28.46	41.16 1.14 -27.81	42.13 0.83 -32.99	34.37 0.90 -24.40	28.21 1.13 -14.94	26.06 0.82 -16.07
HOLTSVILLE_IC_10 23699	27.34 0.51 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.38 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.67 -19.27	26.44 0.68 -19.21	26.12 0.72 -18.52	26.47 0.85 -17.54	26.80 0.79 -18.49	26.85 0.77 -18.93	29.94 1.03 -19.10	34.34 0.81 -26.09	37.93 0.96 -28.46	41.23 1.21 -27.81	42.21 0.91 -32.99	34.45 0.98 -24.40	28.30 1.21 -14.94	26.12 0.87 -16.07
HOLTSVILLE_IC_2 23691	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.55 0.36 -22.11	29.72 0.37 -25.15	30.97 0.43 -25.40	28.61 0.63 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.08 0.68 -18.52	26.42 0.80 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.85 0.94 -19.10	34.28 0.75 -26.09	37.85 0.89 -28.46	41.16 1.14 -27.81	42.13 0.83 -32.99	34.37 0.90 -24.40	28.21 1.13 -14.94	26.06 0.82 -16.07
HOLTSVILLE_IC_3 23692	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.55 0.36 -22.11	29.72 0.37 -25.15	30.97 0.43 -25.40	28.61 0.63 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.08 0.68 -18.52	26.42 0.80 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.85 0.94 -19.10	34.28 0.75 -26.09	37.85 0.89 -28.46	41.16 1.14 -27.81	42.13 0.83 -32.99	34.37 0.90 -24.40	28.21 1.13 -14.94	26.06 0.82 -16.07

HOLTSVILLE_IC_4 23693	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.55 0.36 -22.11	29.72 0.37 -25.15	30.97 0.43 -25.40	28.61 0.63 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.08 0.68 -18.52	26.42 0.80 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.85 0.94 -19.10	34.28 0.75 -26.09	37.85 0.89 -28.46	41.16 1.14 -27.81	42.13 0.83 -32.99	34.37 0.90 -24.40	28.21 1.13 -14.94	26.06 0.82 -16.07
HOLTSVILLE_IC_5 23694	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.55 0.36 -22.11	29.72 0.37 -25.15	30.97 0.43 -25.40	28.61 0.63 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.08 0.68 -18.52	26.42 0.80 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.85 0.94 -19.10	34.28 0.75 -26.09	37.85 0.89 -28.46	41.16 1.14 -27.81	42.13 0.83 -32.99	34.37 0.90 -24.40	28.21 1.13 -14.94	26.06 0.82 -16.07
HOLTSVILLE_IC_6 23695	27.34 0.51 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.38 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.67 -19.27	26.44 0.68 -19.21	26.12 0.72 -18.52	26.47 0.85 -17.54	26.80 0.79 -18.49	26.85 0.77 -18.93	29.94 1.03 -19.10	34.34 0.81 -26.09	37.93 0.96 -28.46	41.23 1.21 -27.81	42.21 0.91 -32.99	34.45 0.98 -24.40	28.30 1.21 -14.94	26.12 0.87 -16.07
HOLTSVILLE_IC_7 23696	27.34 0.51 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.38 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.67 -19.27	26.44 0.68 -19.21	26.12 0.72 -18.52	26.47 0.85 -17.54	26.80 0.79 -18.49	26.85 0.77 -18.93	29.94 1.03 -19.10	34.34 0.81 -26.09	37.93 0.96 -28.46	41.23 1.21 -27.81	42.21 0.91 -32.99	34.45 0.98 -24.40	28.30 1.21 -14.94	26.12 0.87 -16.07
HOLTSVILLE_IC_8 23697	27.34 0.51 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.38 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.67 -19.27	26.44 0.68 -19.21	26.12 0.72 -18.52	26.47 0.85 -17.54	26.80 0.79 -18.49	26.85 0.77 -18.93	29.94 1.03 -19.10	34.34 0.81 -26.09	37.93 0.96 -28.46	41.23 1.21 -27.81	42.21 0.91 -32.99	34.45 0.98 -24.40	28.30 1.21 -14.94	26.12 0.87 -16.07
HOLTSVILLE_IC_9 23698	27.34 0.51 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.38 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.67 -19.27	26.44 0.68 -19.21	26.12 0.72 -18.52	26.47 0.85 -17.54	26.80 0.79 -18.49	26.85 0.77 -18.93	29.94 1.03 -19.10	34.34 0.81 -26.09	37.93 0.96 -28.46	41.23 1.21 -27.81	42.21 0.91 -32.99	34.45 0.98 -24.40	28.30 1.21 -14.94	26.12 0.87 -16.07
HOMER_HL_115KV_TB2 355744	8.09 -0.06 -2.97	7.71 -0.09 -2.70	7.18 -0.09 -2.66	5.68 -0.05 -2.98	6.03 -0.06 -3.00	7.23 -0.06 -3.21	8.75 -0.04 -4.60	9.98 -0.09 -4.93	9.89 -0.10 -3.64	9.47 -0.11 -2.53	8.92 -0.11 -2.53	8.86 -0.13 -2.44	9.02 -0.13 -2.27	10.08 -0.11 -2.11	9.77 -0.13 -2.38	10.02 -0.09 -2.96	12.27 -0.17 -2.62	11.92 -0.08 -4.56	13.00 -0.10 -4.59	16.04 -0.27 -4.10	13.15 -0.15 -4.99	12.92 -0.21 -4.06	13.76 -0.35 -1.97	11.02 -0.31 -2.16
HOWARD_WT_PWR 323690	8.60 0.33 -3.09	8.21 0.30 -2.81	7.63 0.24 -2.77	5.99 0.14 -3.10	6.37 0.16 -3.12	7.69 0.26 -3.34	9.28 0.30 -4.80	10.63 0.35 -5.13	10.57 0.43 -3.80	10.19 0.51 -2.64	9.58 0.45 -2.63	9.50 0.41 -2.54	9.69 0.45 -2.36	10.79 0.51 -2.19	10.47 0.47 -2.48	10.65 0.41 -3.09	12.83 0.16 -2.87	12.58 0.16 -4.98	13.67 0.17 -4.99	16.95 0.28 -4.46	13.90 0.15 -5.43	13.65 0.15 -4.42	14.39 0.10 -2.14	11.58 0.05 -2.36
HQ_GEN_CEDARS 23644	5.04 -0.15 0.00	4.97 -0.13 0.00	3.14 -0.12 1.36	2.68 -0.07 0.00	2.56 -0.08 0.45	2.17 -0.11 1.81	2.17 -0.12 1.90	2.71 -0.14 2.30	2.79 -0.20 3.36	3.30 -0.23 3.51	5.06 -0.23 1.21	5.12 -0.23 1.20	3.61 -0.27 3.00	3.19 -0.33 4.57	5.06 -0.31 2.15	3.22 -0.30 3.63	3.36 -0.41 6.04	5.05 -0.32 2.07	5.17 -0.37 2.97	11.71 -0.50 0.00	7.98 -0.32 0.01	3.35 -0.34 5.39	3.11 -0.39 8.64	2.93 -0.28 5.95
HQ_GEN_CEDARS_PROXY 323590	5.04 -0.14 0.00	4.97 -0.13 0.00	3.14 -0.12 1.36	2.68 -0.07 0.00	2.56 -0.08 0.45	2.17 -0.11 1.81	2.17 -0.12 1.90	2.71 -0.14 2.30	2.79 -0.20 3.36	3.30 -0.23 3.51	5.06 -0.23 1.21	5.12 -0.23 1.20	3.61 -0.27 3.00	3.18 -0.33 4.57	5.09 -0.31 2.12	3.24 -0.30 3.61	3.45 -0.41 5.95	5.08 -0.32 2.04	5.21 -0.37 2.94	11.71 -0.50 0.00	7.98 -0.32 0.01	3.41 -0.34 5.33	3.21 -0.39 8.55	3.00 -0.28 5.89
HQ_GEN_IMPORT 323601	5.07 -0.11 0.00	5.00 -0.10 0.00	4.23 -0.10 0.29	2.69 -0.06 0.00	2.93 -0.07 0.10	3.61 -0.09 0.39	3.70 -0.09 0.41	4.55 -0.10 0.49	5.49 -0.15 0.72	6.13 -0.16 0.75	6.08 -0.16 0.26	6.14 -0.16 0.26	6.07 -0.17 0.64	6.91 -0.19 0.97	6.88 -0.19 0.45	6.20 -0.17 0.78	8.31 -0.24 1.26	6.82 -0.19 0.44	7.67 -0.21 0.63	11.91 -0.30 0.00	8.11 -0.20 0.00	7.73 -0.21 1.14	10.04 -0.28 1.82	7.70 -0.22 1.26
HQ_GEN_WHEEL 23651	5.07 -0.11 0.00	5.00 -0.10 0.00	4.23 -0.10 0.29	2.69 -0.06 0.00	2.93 -0.07 0.10	3.61 -0.09 0.39	3.70 -0.09 0.41	4.55 -0.10 0.49	5.49 -0.15 0.72	6.13 -0.16 0.75	6.08 -0.16 0.26	6.14 -0.16 0.26	6.07 -0.17 0.64	6.91 -0.19 0.97	6.88 -0.19 0.45	6.20 -0.17 0.78	8.31 -0.24 1.26	6.82 -0.19 0.44	7.67 -0.21 0.63	11.91 -0.30 0.00	8.11 -0.20 0.00	7.73 -0.21 1.14	10.04 -0.28 1.82	7.70 -0.22 1.26
HUDSON_AVE_GT_3 23810	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.62 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.42 0.67 -24.24	34.57 0.93 -21.43	35.18 0.62 -26.25	31.06 0.67 -21.32	23.15 0.91 -10.10	20.94 0.66 -11.10
HUDSON_AVE_GT_4 23540	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.62 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.42 0.67 -24.24	34.57 0.93 -21.43	35.18 0.62 -26.25	31.06 0.67 -21.32	23.15 0.91 -10.10	20.94 0.66 -11.10
HUDSON_AVE_GT_5 23657	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.69 0.60 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.62 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.42 0.67 -24.24	34.57 0.93 -21.43	35.18 0.62 -26.25	31.06 0.67 -21.32	23.15 0.91 -10.10	20.94 0.66 -11.10

HUDSON_AVE_10 24168	20.83 0.35 -15.29	19.33 0.34 -13.89	18.60 0.28 -13.70	18.26 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.89 0.35 -25.39	25.63 0.50 -18.78	20.69 0.59 -13.05	20.06 0.53 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.55 0.58 -24.53	33.37 0.62 -24.24	34.53 0.88 -21.43	35.14 0.57 -26.26	31.04 0.64 -21.32	23.13 0.89 -10.10	20.91 0.63 -11.10
HUDSON___115KV_TB 4 355613	23.38 0.26 -17.93	21.65 0.26 -16.29	20.91 0.23 -16.06	20.88 0.14 -17.99	21.37 0.16 -18.12	23.69 0.21 -19.39	32.21 0.22 -27.80	35.15 0.25 -29.76	28.67 0.32 -22.00	22.66 0.32 -15.29	22.05 0.29 -15.26	21.54 0.29 -14.70	20.87 0.30 -13.70	21.15 0.36 -12.71	22.14 0.32 -14.29	25.09 0.32 -17.62	25.93 0.47 -15.64	34.69 0.36 -26.88	36.09 0.45 -27.13	37.24 0.67 -24.36	38.38 0.48 -29.58	33.67 0.49 -24.11	24.63 0.67 -11.82	22.64 0.47 -12.99
HUNTER MOUNT___DRP 323613	22.86 0.26 -17.41	21.17 0.26 -15.82	20.44 0.23 -15.60	20.36 0.13 -17.47	20.84 0.16 -17.59	23.13 0.22 -18.83	31.40 0.22 -26.99	34.29 0.25 -28.89	28.01 0.30 -21.36	22.19 0.30 -14.85	21.58 0.26 -14.82	21.09 0.26 -14.28	20.43 0.25 -13.30	20.73 0.31 -12.34	21.70 0.28 -13.91	24.66 0.30 -17.21	25.51 0.45 -15.25	34.11 0.33 -26.34	35.44 0.43 -26.50	36.62 0.66 -23.75	37.68 0.49 -28.87	33.08 0.49 -23.52	24.30 0.68 -11.48	22.27 0.48 -12.62
HUNTINGTON_RES_REC 323705	27.33 0.49 -21.65	21.66 0.48 -16.08	21.82 0.42 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.73 0.38 -25.15	30.98 0.44 -25.40	28.62 0.64 -21.63	28.05 0.73 -20.28	26.42 0.66 -19.27	26.43 0.67 -19.21	26.11 0.71 -18.52	26.46 0.83 -17.54	26.79 0.78 -18.49	26.84 0.77 -18.93	29.92 1.01 -19.10	34.33 0.80 -26.09	37.90 0.94 -28.46	41.23 1.21 -27.81	42.19 0.89 -32.99	34.43 0.95 -24.40	28.27 1.19 -14.94	26.10 0.85 -16.07
HUNTLEY___63 23557	7.66 -0.07 -2.54	7.30 -0.11 -2.31	6.78 -0.11 -2.28	5.25 -0.06 -2.55	5.60 -0.06 -2.57	6.76 -0.08 -2.75	8.05 -0.08 -3.94	9.20 -0.15 -4.21	9.29 -0.17 -3.11	8.99 -0.22 -2.17	8.47 -0.19 -2.16	8.42 -0.22 -2.09	8.59 -0.23 -1.94	9.70 -0.19 -1.80	9.33 -0.23 -2.04	9.51 -0.18 -2.53	11.78 -0.26 -2.23	11.14 -0.16 -3.86	12.27 -0.14 -3.90	15.34 -0.35 -3.48	12.37 -0.18 -4.24	12.27 -0.25 -3.44	13.44 -0.36 -1.66	10.67 -0.33 -1.83
HUNTLEY___64 23558	7.66 -0.07 -2.54	7.30 -0.11 -2.31	6.78 -0.11 -2.28	5.25 -0.06 -2.55	5.60 -0.06 -2.57	6.76 -0.08 -2.75	8.05 -0.08 -3.94	9.20 -0.15 -4.21	9.29 -0.17 -3.11	8.99 -0.22 -2.17	8.47 -0.19 -2.16	8.42 -0.22 -2.09	8.59 -0.23 -1.94	9.70 -0.19 -1.80	9.33 -0.23 -2.04	9.51 -0.18 -2.53	11.78 -0.26 -2.23	11.14 -0.16 -3.86	12.27 -0.14 -3.90	15.34 -0.35 -3.48	12.37 -0.18 -4.24	12.27 -0.25 -3.44	13.44 -0.36 -1.66	10.67 -0.33 -1.83
HUNTLEY___65 23559	7.66 -0.07 -2.54	7.30 -0.11 -2.31	6.78 -0.11 -2.28	5.25 -0.06 -2.55	5.60 -0.06 -2.57	6.76 -0.08 -2.75	8.05 -0.08 -3.94	9.20 -0.15 -4.21	9.29 -0.17 -3.11	8.99 -0.22 -2.17	8.47 -0.19 -2.16	8.42 -0.22 -2.09	8.59 -0.23 -1.94	9.70 -0.19 -1.80	9.33 -0.23 -2.04	9.51 -0.18 -2.53	11.78 -0.26 -2.23	11.14 -0.16 -3.86	12.27 -0.14 -3.90	15.34 -0.35 -3.48	12.37 -0.18 -4.24	12.27 -0.25 -3.44	13.44 -0.36 -1.66	10.67 -0.33 -1.83
HUNTLEY___66 23560	7.66 -0.07 -2.54	7.30 -0.11 -2.31	6.78 -0.11 -2.28	5.25 -0.06 -2.55	5.60 -0.06 -2.57	6.76 -0.08 -2.75	8.05 -0.08 -3.94	9.20 -0.15 -4.21	9.29 -0.17 -3.11	8.99 -0.22 -2.17	8.47 -0.19 -2.16	8.42 -0.22 -2.09	8.59 -0.23 -1.94	9.70 -0.19 -1.80	9.33 -0.23 -2.04	9.51 -0.18 -2.53	11.78 -0.26 -2.23	11.14 -0.16 -3.86	12.27 -0.14 -3.90	15.34 -0.35 -3.48	12.37 -0.18 -4.24	12.27 -0.25 -3.44	13.44 -0.36 -1.66	10.67 -0.33 -1.83
HUNTLEY___67 23561	7.68 -0.09 -2.58	7.32 -0.13 -2.35	6.81 -0.12 -2.31	5.28 -0.06 -2.59	5.64 -0.06 -2.61	6.79 -0.09 -2.79	8.11 -0.09 -4.01	9.27 -0.16 -4.29	9.33 -0.19 -3.17	9.01 -0.24 -2.20	8.49 -0.21 -2.20	8.44 -0.24 -2.12	8.61 -0.24 -1.98	9.71 -0.20 -1.83	9.35 -0.24 -2.07	9.54 -0.19 -2.58	11.81 -0.26 -2.26	11.20 -0.17 -3.93	12.33 -0.15 -3.97	15.41 -0.35 -3.55	12.45 -0.19 -4.32	12.35 -0.25 -3.52	13.49 -0.36 -1.71	10.72 -0.33 -1.88
HUNTLEY___68 23562	7.68 -0.09 -2.58	7.32 -0.13 -2.35	6.81 -0.12 -2.31	5.28 -0.06 -2.59	5.64 -0.06 -2.61	6.79 -0.09 -2.79	8.11 -0.09 -4.01	9.27 -0.16 -4.29	9.33 -0.19 -3.17	9.01 -0.24 -2.20	8.49 -0.21 -2.20	8.44 -0.24 -2.12	8.61 -0.24 -1.98	9.71 -0.20 -1.83	9.35 -0.24 -2.07	9.54 -0.19 -2.58	11.81 -0.26 -2.26	11.20 -0.17 -3.93	12.33 -0.15 -3.97	15.41 -0.35 -3.55	12.45 -0.19 -4.32	12.35 -0.25 -3.52	13.49 -0.36 -1.71	10.72 -0.33 -1.88
HYLAND___LFGE 323620	8.11 0.37 -2.55	7.75 0.33 -2.32	7.19 0.28 -2.29	5.48 0.16 -2.56	5.85 0.18 -2.58	7.15 0.31 -2.76	8.46 0.31 -3.96	9.76 0.38 -4.24	9.93 0.44 -3.14	9.68 0.46 -2.18	9.04 0.37 -2.18	8.98 0.33 -2.10	9.15 0.32 -1.95	10.27 0.37 -1.81	9.91 0.35 -2.05	10.12 0.42 -2.55	12.56 0.33 -2.42	11.96 0.32 -4.20	13.15 0.43 -4.21	16.56 0.59 -3.76	13.36 0.47 -4.58	13.29 0.49 -3.73	14.43 0.47 -1.81	11.47 0.31 -1.99
INDECK___CORINTH 23802	24.62 0.26 -19.17	22.77 0.25 -17.42	22.01 0.22 -17.17	22.12 0.13 -19.24	22.61 0.15 -19.37	25.03 0.22 -20.73	34.18 0.25 -29.75	37.34 0.29 -31.90	30.29 0.36 -23.59	23.80 0.36 -16.40	23.20 0.34 -16.36	22.62 0.31 -15.76	21.90 0.33 -14.69	22.09 0.38 -13.62	23.16 0.35 -15.29	26.25 0.36 -18.74	27.03 0.53 -16.69	36.38 0.43 -28.51	37.88 0.52 -28.85	38.91 0.73 -25.97	40.35 0.54 -31.49	35.31 0.55 -25.68	25.49 0.69 -12.66	23.57 0.48 -13.92
INDECK___ILION 23567	5.21 0.03 0.00	5.13 0.03 0.00	4.71 0.03 -0.06	2.77 0.02 0.00	3.13 0.02 -0.02	4.19 0.03 -0.08	4.30 0.02 -0.09	5.28 0.03 -0.10	6.54 0.04 -0.15	7.24 0.04 -0.16	6.59 0.04 -0.05	6.65 0.05 -0.05	7.06 0.05 -0.13	8.34 0.05 -0.20	7.65 0.04 -0.09	7.33 0.01 -0.16	10.10 0.02 -0.27	7.54 0.01 -0.09	8.69 0.05 -0.13	12.29 0.07 0.00	8.36 0.04 0.00	9.33 0.02 -0.24	12.58 0.05 -0.38	9.47 0.04 -0.26
INDECK___OLEAN 23982	8.09 -0.06 -2.97	7.71 -0.09 -2.70	7.18 -0.09 -2.66	5.68 -0.05 -2.98	6.03 -0.06 -3.00	7.23 -0.06 -3.21	8.75 -0.04 -4.60	9.98 -0.09 -4.93	9.89 -0.10 -3.64	9.47 -0.11 -2.53	8.93 -0.10 -2.53	8.86 -0.13 -2.44	9.02 -0.13 -2.27	10.08 -0.11 -2.11	9.77 -0.13 -2.38	10.02 -0.09 -2.96	12.28 -0.16 -2.62	11.92 -0.08 -4.56	12.93 -0.15 -4.57	16.03 -0.27 -4.08	13.09 -0.20 -4.97	12.91 -0.21 -4.05	13.76 -0.35 -1.96	11.02 -0.31 -2.16
INDECK___OSWEGO 23783	6.55 -0.07 -1.45	6.33 -0.08 -1.31	5.79 -0.08 -1.25	4.16 -0.05 -1.45	4.48 -0.05 -1.45	5.54 -0.06 -1.51	6.32 -0.05 -2.18	7.40 -0.07 -2.33	7.93 -0.09 -1.67	8.08 -0.09 -1.13	7.61 -0.08 -1.19	7.61 -0.09 -1.15	7.79 -0.10 -1.01	8.86 -0.11 -0.89	8.51 -0.11 -1.09	8.38 -0.10 -1.33	10.78 -0.13 -1.09	9.50 -0.10 -2.16	10.53 -0.11 -2.13	14.05 -0.15 -1.99	10.61 -0.12 -2.42	10.76 -0.12 -1.81	12.68 -0.16 -0.69	9.99 -0.05 -0.87

INDECK___YERKES 23781	7.65 -0.07 -2.54	7.30 -0.11 -2.31	6.79 -0.11 -2.28	5.25 -0.05 -2.55	5.60 -0.05 -2.57	6.76 -0.07 -2.75	8.06 -0.08 -3.94	9.20 -0.15 -4.21	9.30 -0.17 -3.11	9.00 -0.21 -2.17	8.50 -0.16 -2.16	8.43 -0.21 -2.09	8.60 -0.22 -1.94	9.72 -0.17 -1.80	9.34 -0.22 -2.04	9.51 -0.17 -2.53	11.79 -0.24 -2.23	11.15 -0.16 -3.86	12.16 -0.22 -3.87	15.33 -0.34 -3.46	12.27 -0.26 -4.21	12.25 -0.24 -3.42	13.44 -0.35 -1.65	10.66 -0.33 -1.82
INDIAN POINT_GT_1 24139	20.67 0.33 -15.16	19.19 0.32 -13.78	18.47 0.27 -13.58	18.13 0.16 -15.21	18.60 0.19 -15.32	20.71 0.23 -16.40	27.96 0.24 -23.52	30.64 0.31 -25.18	25.40 0.43 -18.62	20.49 0.50 -12.94	19.87 0.46 -12.92	19.50 0.48 -12.47	18.97 0.50 -11.59	19.43 0.59 -10.75	20.37 0.57 -12.28	23.31 0.53 -15.63	24.13 0.67 -13.65	32.27 0.52 -24.32	33.13 0.59 -24.03	34.29 0.83 -21.25	34.89 0.55 -26.03	30.80 0.59 -21.13	22.95 0.79 -10.01	20.75 0.57 -11.01
INDIAN POINT_GT_2 23659	20.67 0.33 -15.16	19.19 0.32 -13.78	18.47 0.27 -13.58	18.13 0.16 -15.21	18.60 0.19 -15.32	20.71 0.23 -16.40	27.96 0.24 -23.52	30.64 0.31 -25.18	25.40 0.43 -18.62	20.49 0.50 -12.94	19.87 0.46 -12.92	19.50 0.48 -12.47	18.97 0.50 -11.59	19.43 0.59 -10.75	20.37 0.57 -12.28	23.31 0.53 -15.63	24.13 0.67 -13.65	32.27 0.52 -24.32	33.13 0.59 -24.03	34.29 0.83 -21.25	34.89 0.55 -26.03	30.80 0.59 -21.13	22.95 0.79 -10.01	20.75 0.57 -11.01
INDIAN POINT_GT_3 24019	20.67 0.33 -15.16	19.19 0.32 -13.78	18.47 0.27 -13.58	18.13 0.16 -15.21	18.60 0.19 -15.32	20.71 0.23 -16.40	27.96 0.24 -23.52	30.64 0.31 -25.18	25.40 0.43 -18.62	20.49 0.50 -12.94	19.87 0.46 -12.92	19.50 0.48 -12.47	18.97 0.50 -11.59	19.43 0.59 -10.75	20.37 0.57 -12.28	23.31 0.53 -15.63	24.13 0.67 -13.65	32.27 0.52 -24.32	33.13 0.59 -24.03	34.29 0.83 -21.25	34.89 0.55 -26.03	30.80 0.59 -21.13	22.95 0.79 -10.01	20.75 0.57 -11.01
INDIAN POINT___2 23530	20.50 0.33 -14.99	19.03 0.32 -13.62	18.31 0.27 -13.43	17.95 0.16 -15.04	18.42 0.19 -15.14	20.52 0.23 -16.21	27.69 0.24 -23.25	30.34 0.31 -24.89	25.18 0.43 -18.40	20.34 0.51 -12.79	19.73 0.47 -12.77	19.36 0.48 -12.32	18.85 0.51 -11.46	19.31 0.60 -10.63	20.23 0.58 -12.13	23.12 0.53 -15.44	23.98 0.68 -13.49	31.99 0.53 -24.02	32.85 0.60 -23.74	34.04 0.83 -21.00	34.59 0.56 -25.72	30.55 0.59 -20.88	22.84 0.80 -9.90	20.62 0.57 -10.88
INDIAN POINT___3 23531	20.68 0.33 -15.17	19.20 0.31 -13.78	18.47 0.27 -13.59	18.13 0.16 -15.22	18.60 0.19 -15.33	20.72 0.23 -16.40	27.96 0.24 -23.53	30.65 0.31 -25.19	25.41 0.43 -18.63	20.49 0.50 -12.95	19.88 0.46 -12.92	19.51 0.48 -12.47	18.98 0.50 -11.60	19.43 0.59 -10.76	20.37 0.57 -12.28	23.31 0.52 -15.64	24.14 0.67 -13.66	32.29 0.52 -24.33	33.12 0.57 -24.04	34.29 0.82 -21.26	34.89 0.53 -26.04	30.81 0.59 -21.15	22.95 0.79 -10.02	20.76 0.57 -11.01
INGHAM_C_115KV_TB7 356103	5.22 0.04 0.00	5.13 0.03 0.00	4.72 0.04 -0.06	2.77 0.02 0.00	3.13 0.02 -0.02	4.20 0.03 -0.08	4.30 0.03 -0.09	5.28 0.03 -0.10	6.54 0.04 -0.15	7.24 0.04 -0.16	6.60 0.05 -0.05	6.66 0.05 -0.05	7.07 0.06 -0.13	8.34 0.05 -0.20	7.64 0.02 -0.09	7.30 -0.01 -0.16	10.06 -0.02 -0.27	7.51 -0.01 -0.09	8.67 0.03 -0.13	12.26 0.05 0.00	8.33 0.02 0.00	9.28 -0.04 -0.24	12.53 0.00 -0.38	9.44 0.00 -0.26
IP CORINTH___1 23988	24.62 0.27 -19.17	22.77 0.25 -17.42	22.01 0.22 -17.17	22.12 0.13 -19.24	22.61 0.15 -19.37	25.03 0.22 -20.73	34.22 0.25 -29.79	37.34 0.29 -31.90	30.29 0.36 -23.59	23.80 0.36 -16.40	23.20 0.34 -16.36	22.62 0.31 -15.76	21.90 0.33 -14.69	22.09 0.38 -13.62	23.16 0.35 -15.29	26.25 0.36 -18.74	27.03 0.53 -16.69	36.38 0.43 -28.51	37.82 0.49 -28.81	38.87 0.73 -25.93	40.29 0.52 -31.45	35.27 0.55 -25.65	25.48 0.69 -12.64	23.55 0.48 -13.90
IP___TICONDEROGA 23804	24.84 0.51 -19.15	22.97 0.47 -17.39	22.19 0.42 -17.15	22.22 0.25 -19.21	22.73 0.29 -19.35	25.21 0.42 -20.70	34.41 0.48 -29.74	37.57 0.57 -31.86	30.58 0.68 -23.55	24.10 0.68 -16.37	23.47 0.64 -16.34	22.88 0.60 -15.74	22.19 0.65 -14.67	22.41 0.73 -13.60	23.45 0.67 -15.26	26.53 0.67 -18.70	27.45 0.98 -16.66	36.68 0.80 -28.45	38.22 0.95 -28.76	39.50 1.40 -25.88	40.70 1.00 -31.39	35.69 1.02 -25.60	26.08 1.31 -12.62	23.96 0.91 -13.88
ISLIP_RES_REC 323679	27.36 0.53 -21.65	21.70 0.52 -16.08	21.86 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.59 0.39 -22.11	29.76 0.41 -25.15	31.02 0.48 -25.40	28.67 0.69 -21.63	28.11 0.78 -20.28	26.46 0.70 -19.27	26.47 0.71 -19.21	26.15 0.75 -18.52	26.50 0.88 -17.54	26.83 0.82 -18.49	26.89 0.81 -18.93	29.99 1.08 -19.10	34.38 0.86 -26.09	37.97 1.00 -28.46	41.29 1.27 -27.81	42.25 0.95 -32.99	34.50 1.03 -24.40	28.35 1.26 -14.94	26.15 0.91 -16.07
JAMAICA__27_KV_LOAD 355505	20.84 0.37 -15.29	19.35 0.35 -13.89	18.60 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.88 0.26 -16.54	28.19 0.28 -23.72	30.93 0.39 -25.39	25.68 0.55 -18.78	20.74 0.64 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.63 0.70 -10.84	20.59 0.69 -12.38	23.54 0.63 -15.76	24.36 0.78 -13.77	32.57 0.60 -24.53	33.39 0.64 -24.24	34.56 0.92 -21.43	35.16 0.59 -26.26	31.07 0.68 -21.32	23.20 0.96 -10.10	20.95 0.67 -11.10
JANIS___SOLAR 323808	9.47 0.26 -4.03	9.00 0.23 -3.67	8.46 0.23 -3.61	6.92 0.12 -4.05	7.31 0.14 -4.08	8.66 0.22 -4.36	10.67 0.22 -6.26	12.11 0.26 -6.70	11.60 0.29 -4.96	10.81 0.32 -3.44	10.20 0.27 -3.44	10.16 0.30 -3.31	10.29 0.32 -3.09	11.27 0.32 -2.86	11.08 0.33 -3.23	11.49 0.31 -4.03	13.84 0.47 -3.56	14.00 0.37 -6.19	15.17 0.46 -6.20	18.49 0.73 -5.54	15.52 0.46 -6.75	15.06 0.49 -5.49	15.41 0.59 -2.66	12.57 0.47 -2.93
JARVIS____ 23743	5.20 0.02 0.00	5.11 0.01 0.00	4.69 0.01 -0.06	2.76 0.01 0.00	3.12 0.01 -0.02	4.18 0.01 -0.08	4.28 0.01 -0.09	5.26 0.01 -0.10	6.52 0.02 -0.15	7.22 0.01 -0.16	6.57 0.02 -0.05	6.62 0.02 -0.05	7.03 0.02 -0.13	8.31 0.02 -0.20	7.64 0.02 -0.10	7.33 0.01 -0.16	10.10 0.02 -0.27	7.54 0.01 -0.09	8.66 0.02 -0.13	12.25 0.04 0.00	8.33 0.02 0.00	9.34 0.03 -0.24	12.57 0.04 -0.38	9.47 0.04 -0.26
JENNISON___1 23625	10.49 0.26 -5.04	9.92 0.23 -4.58	9.38 0.24 -4.52	7.94 0.13 -5.06	8.34 0.15 -5.09	9.76 0.22 -5.45	12.23 0.21 -7.82	13.78 0.26 -8.38	12.83 0.29 -6.19	11.67 0.32 -4.31	11.09 0.30 -4.30	11.01 0.32 -4.14	11.07 0.34 -3.86	12.02 0.36 -3.58	11.90 0.34 -4.04	12.50 0.31 -5.03	14.74 0.48 -4.45	15.54 0.37 -7.73	16.73 0.49 -7.74	19.84 0.72 -6.91	17.21 0.48 -8.42	16.42 0.49 -6.85	16.08 0.61 -3.32	13.28 0.46 -3.65
JENNISON___2 23626	10.49 0.26 -5.04	9.92 0.23 -4.58	9.38 0.24 -4.52	7.94 0.13 -5.06	8.34 0.15 -5.09	9.76 0.22 -5.45	12.23 0.21 -7.82	13.78 0.26 -8.38	12.83 0.29 -6.19	11.67 0.32 -4.31	11.09 0.30 -4.30	11.01 0.32 -4.14	11.07 0.34 -3.86	12.02 0.36 -3.58	11.90 0.34 -4.04	12.50 0.31 -5.03	14.74 0.48 -4.45	15.54 0.37 -7.73	16.73 0.49 -7.74	19.84 0.72 -6.91	17.21 0.48 -8.42	16.42 0.49 -6.85	16.08 0.61 -3.32	13.28 0.46 -3.65

JERICO_RISE_WT_PWR 323719	5.04 -0.15 0.00	4.91 -0.19 0.00	2.97 -0.24 1.41	2.59 -0.16 0.00	2.42 -0.20 0.47	1.93 -0.27 1.88	1.92 -0.29 1.98	2.44 -0.31 2.39	2.47 -0.37 3.50	3.00 -0.39 3.65	4.89 -0.35 1.26	4.96 -0.34 1.25	3.39 -0.37 3.12	2.86 -0.47 4.75	4.86 -0.45 2.21	2.99 -0.42 3.74	3.02 -0.59 6.21	4.90 -0.41 2.13	5.03 -0.43 3.06	11.56 -0.65 0.00	7.91 -0.39 0.01	3.03 -0.50 5.54	2.45 -0.80 8.89	2.42 -0.63 6.12
KATONAH__115KV_46KV_TB4 355592	20.98 0.35 -15.45	19.47 0.34 -14.03	18.74 0.29 -13.84	18.43 0.17 -15.50	18.90 0.20 -15.61	21.04 0.25 -16.70	28.41 0.26 -23.96	31.13 0.33 -25.65	25.74 0.43 -18.97	20.72 0.49 -13.18	20.11 0.45 -13.16	19.73 0.48 -12.70	19.18 0.50 -11.81	19.62 0.58 -10.96	20.59 0.56 -12.50	23.60 0.54 -15.91	24.40 0.68 -13.91	32.72 0.53 -24.76	33.56 0.58 -24.47	34.71 0.85 -21.64	35.37 0.55 -26.51	31.22 0.62 -21.52	23.16 0.81 -10.20	20.96 0.57 -11.22
KCE_NY_1 323755	24.58 0.28 -19.11	22.73 0.27 -17.36	21.98 0.24 -17.12	22.07 0.15 -19.17	22.57 0.17 -19.31	24.97 0.22 -20.66	34.09 0.25 -29.65	37.23 0.29 -31.79	30.21 0.36 -23.50	23.75 0.37 -16.34	23.15 0.34 -16.31	22.58 0.33 -15.70	21.87 0.35 -14.64	22.07 0.41 -13.58	23.12 0.37 -15.23	26.17 0.37 -18.65	26.97 0.54 -16.61	36.22 0.42 -28.36	37.72 0.50 -28.71	38.78 0.72 -25.85	40.17 0.52 -31.35	35.17 0.54 -25.57	25.45 0.69 -12.61	23.54 0.49 -13.87
KCE_NY_6_ESR 323823	7.80 -0.07 -2.69	7.44 -0.11 -2.44	6.92 -0.11 -2.41	5.39 -0.06 -2.70	5.75 -0.06 -2.72	6.91 -0.08 -2.91	8.29 -0.07 -4.17	9.47 -0.13 -4.46	9.50 -0.15 -3.30	9.16 -0.18 -2.29	8.65 -0.14 -2.29	8.57 -0.18 -2.21	8.75 -0.19 -2.06	9.85 -0.14 -1.91	9.49 -0.18 -2.15	9.70 -0.14 -2.68	11.98 -0.19 -2.35	11.42 -0.10 -4.09	12.46 -0.14 -4.10	15.63 -0.24 -3.66	12.58 -0.19 -4.46	12.53 -0.17 -3.62	13.61 -0.29 -1.76	10.83 -0.27 -1.93
KEDC_PORT_JEFF_GT2 24210	27.34 0.50 -21.65	21.68 0.49 -16.08	21.83 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.37 -22.11	29.74 0.39 -25.15	30.99 0.45 -25.40	28.63 0.66 -21.63	28.07 0.75 -20.28	26.43 0.66 -19.27	26.43 0.67 -19.21	26.11 0.72 -18.52	26.46 0.84 -17.54	26.79 0.78 -18.49	26.84 0.76 -18.93	29.92 1.01 -19.10	34.32 0.80 -26.09	37.91 0.94 -28.46	41.23 1.21 -27.81	42.19 0.89 -32.99	34.43 0.95 -24.40	28.28 1.20 -14.94	26.11 0.86 -16.07
KEDC_PORT_JEFF_GT3 24211	27.34 0.50 -21.65	21.68 0.49 -16.08	21.83 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.37 -22.11	29.74 0.39 -25.15	30.99 0.45 -25.40	28.63 0.66 -21.63	28.07 0.75 -20.28	26.43 0.66 -19.27	26.43 0.67 -19.21	26.11 0.72 -18.52	26.46 0.84 -17.54	26.79 0.78 -18.49	26.84 0.76 -18.93	29.92 1.01 -19.10	34.32 0.80 -26.09	37.91 0.94 -28.46	41.23 1.21 -27.81	42.19 0.89 -32.99	34.43 0.95 -24.40	28.28 1.20 -14.94	26.11 0.86 -16.07
KEDC_GLWD_GT4 24219	27.25 0.42 -21.65	21.58 0.40 -16.08	21.75 0.35 -16.79	20.07 0.21 -17.11	20.98 0.24 -17.65	26.50 0.30 -22.11	29.67 0.32 -25.15	30.93 0.39 -25.40	28.53 0.55 -21.63	27.97 0.64 -20.28	26.34 0.57 -19.27	26.35 0.59 -19.21	26.02 0.62 -18.52	26.36 0.74 -17.54	26.74 0.73 -18.49	26.76 0.68 -18.93	29.78 0.87 -19.10	34.18 0.65 -26.09	37.68 0.71 -28.46	41.00 0.98 -27.81	41.97 0.67 -32.99	34.18 0.71 -24.40	28.10 1.02 -14.94	25.99 0.74 -16.07
KEDC_GLWD_GT5 24220	27.25 0.42 -21.65	21.58 0.40 -16.08	21.75 0.35 -16.79	20.07 0.21 -17.11	20.98 0.24 -17.65	26.50 0.30 -22.11	29.67 0.32 -25.15	30.93 0.39 -25.40	28.53 0.55 -21.63	27.97 0.64 -20.28	26.34 0.57 -19.27	26.35 0.59 -19.21	26.02 0.62 -18.52	26.36 0.74 -17.54	26.74 0.73 -18.49	26.76 0.68 -18.93	29.78 0.87 -19.10	34.18 0.65 -26.09	37.68 0.71 -28.46	41.00 0.98 -27.81	41.97 0.67 -32.99	34.18 0.71 -24.40	28.10 1.02 -14.94	25.99 0.74 -16.07
KENSICO____ 23655	20.79 0.34 -15.27	19.30 0.33 -13.87	18.57 0.28 -13.68	18.24 0.17 -15.32	18.71 0.19 -15.43	20.83 0.24 -16.51	28.13 0.25 -23.68	30.82 0.33 -25.35	25.54 0.45 -18.74	20.60 0.53 -13.03	19.99 0.49 -13.00	19.61 0.50 -12.55	19.08 0.53 -11.67	19.53 0.62 -10.83	20.48 0.60 -12.36	23.44 0.55 -15.74	24.26 0.70 -13.75	32.48 0.55 -24.49	33.31 0.60 -24.20	34.47 0.85 -21.40	35.08 0.56 -26.21	30.97 0.62 -21.28	23.05 0.83 -10.08	20.85 0.60 -11.09
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	19.35 0.35 -13.81	17.99 0.34 -12.55	17.28 0.29 -12.37	16.78 0.17 -13.86	17.25 0.20 -13.95	19.26 0.25 -14.93	25.87 0.25 -21.42	28.40 0.33 -22.93	23.75 0.45 -16.95	19.34 0.51 -11.79	18.71 0.45 -11.76	18.39 0.49 -11.35	17.94 0.50 -10.56	18.47 0.59 -9.79	19.24 0.58 -11.14	21.75 0.51 -14.08	22.83 0.67 -12.35	29.76 0.51 -21.81	30.77 0.60 -21.66	32.33 0.90 -19.22	32.43 0.62 -23.49	28.76 0.60 -19.09	22.16 0.90 -9.12	19.84 0.64 -10.02
KIAC_JFK_GT1 23816	20.81 0.33 -15.29	19.31 0.32 -13.89	18.58 0.26 -13.70	18.25 0.16 -15.34	18.73 0.19 -15.45	20.86 0.24 -16.54	28.18 0.26 -23.72	30.90 0.36 -25.39	25.64 0.51 -18.78	20.69 0.60 -13.05	20.04 0.52 -13.03	19.66 0.54 -12.58	19.14 0.57 -11.69	19.59 0.66 -10.84	20.55 0.65 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.51 0.54 -24.53	33.34 0.59 -24.24	34.44 0.79 -21.43	35.11 0.54 -26.25	31.03 0.63 -21.32	23.13 0.89 -10.10	20.90 0.62 -11.10
KIAC_JFK_GT2 23817	20.81 0.33 -15.29	19.31 0.32 -13.89	18.58 0.26 -13.70	18.25 0.16 -15.34	18.73 0.19 -15.45	20.86 0.24 -16.54	28.18 0.26 -23.72	30.90 0.36 -25.39	25.64 0.51 -18.78	20.69 0.60 -13.05	20.04 0.52 -13.03	19.66 0.54 -12.58	19.14 0.57 -11.69	19.59 0.66 -10.84	20.55 0.65 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.51 0.54 -24.53	33.34 0.59 -24.24	34.44 0.79 -21.43	35.11 0.54 -26.25	31.03 0.63 -21.32	23.13 0.89 -10.10	20.90 0.62 -11.10
KIAC_JFK____ 323774	20.81 0.33 -15.29	19.31 0.32 -13.89	18.58 0.26 -13.70	18.25 0.16 -15.34	18.73 0.19 -15.45	20.86 0.24 -16.54	28.18 0.26 -23.72	30.90 0.36 -25.39	25.64 0.51 -18.78	20.69 0.60 -13.05	20.04 0.52 -13.03	19.66 0.54 -12.58	19.14 0.57 -11.69	19.59 0.66 -10.84	20.55 0.65 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.51 0.54 -24.53	33.34 0.59 -24.24	34.44 0.79 -21.43	35.11 0.54 -26.25	31.03 0.63 -21.32	23.13 0.89 -10.10	20.90 0.62 -11.10
KINTIGH____ 23543	7.40 -0.04 -2.26	7.07 -0.09 -2.05	6.56 -0.08 -2.02	4.98 -0.04 -2.27	5.34 -0.04 -2.28	6.48 -0.05 -2.44	7.65 -0.05 -3.50	8.79 -0.11 -3.75	9.00 -0.12 -2.77	8.82 -0.15 -1.93	8.29 -0.14 -1.92	8.24 -0.16 -1.85	8.43 -0.17 -1.73	9.56 -0.13 -1.60	9.16 -0.17 -1.81	9.28 -0.12 -2.25	11.63 -0.17 -1.99	10.78 -0.11 -3.45	11.89 -0.09 -3.47	15.09 -0.23 -3.10	11.98 -0.12 -3.78	11.99 -0.16 -3.08	13.40 -0.24 -1.49	10.59 -0.23 -1.64
KNTFSRNC_46_KV_46KV_LOAD 80397	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.43	2.62 -0.13 0.00	2.45 -0.17 0.48	1.95 -0.23 1.91	1.94 -0.24 2.01	2.47 -0.25 2.43	2.50 -0.30 3.55	3.02 -0.32 3.71	4.93 -0.29 1.28	5.00 -0.28 1.27	3.41 -0.30 3.17	2.87 -0.40 4.82	4.89 -0.38 2.24	3.00 -0.36 3.79	3.02 -0.50 6.29	4.94 -0.34 2.15	5.02 -0.39 3.10	11.69 -0.53 0.00	7.97 -0.33 0.01	3.05 -0.41 5.61	2.44 -0.69 9.01	2.41 -0.56 6.21

LACHUTE___HYDRO 323717	24.84 0.51 -19.15	22.97 0.47 -17.39	22.19 0.42 -17.15	22.22 0.25 -19.21	22.73 0.29 -19.35	25.21 0.42 -20.70	34.37 0.48 -29.71	37.57 0.57 -31.86	30.58 0.68 -23.55	24.10 0.68 -16.37	23.47 0.64 -16.34	22.88 0.60 -15.74	22.19 0.65 -14.67	22.41 0.73 -13.60	23.45 0.67 -15.26	26.53 0.67 -18.70	27.45 0.98 -16.66	36.68 0.80 -28.45	38.26 0.95 -28.79	39.53 1.40 -25.92	40.74 1.00 -31.43	35.72 1.02 -25.63	26.10 1.31 -12.64	23.98 0.91 -13.90
LAWRNCV_115KV_TB1 80681	5.02 -0.16 0.00	4.95 -0.15 0.00	3.27 -0.15 1.20	2.66 -0.09 0.00	2.59 -0.10 0.40	2.36 -0.13 1.60	2.37 -0.14 1.68	2.95 -0.16 2.03	3.14 -0.23 2.97	3.67 -0.27 3.10	5.17 -0.27 1.07	5.23 -0.26 1.06	3.88 -0.35 2.65	3.59 -0.46 4.03	5.16 -0.47 1.89	3.49 -0.46 3.20	3.87 -0.62 5.32	5.14 -0.48 1.82	5.36 -0.53 2.62	11.49 -0.72 0.00	7.85 -0.45 0.01	3.87 -0.46 4.75	4.02 -0.51 7.62	3.58 -0.35 5.25
LEDERLE___ 23769	20.32 0.35 -14.79	18.87 0.34 -13.43	18.15 0.29 -13.24	17.76 0.17 -14.84	18.23 0.20 -14.94	20.32 0.25 -15.99	27.39 0.26 -22.94	30.03 0.33 -24.55	24.97 0.46 -18.15	20.20 0.54 -12.62	19.59 0.49 -12.59	19.23 0.52 -12.16	18.72 0.54 -11.31	19.20 0.63 -10.49	20.10 0.61 -11.97	22.94 0.56 -15.23	23.84 0.72 -13.31	31.68 0.55 -23.69	32.54 0.61 -23.42	33.82 0.89 -20.71	34.27 0.59 -25.37	30.30 0.63 -20.60	22.77 0.86 -9.76	20.52 0.61 -10.74
LIGHTHSE_115KV_TB6 355974	6.49 -0.01 -1.31	6.27 -0.02 -1.19	5.66 -0.02 -1.06	4.05 -0.01 -1.31	4.36 -0.01 -1.29	5.36 0.00 -1.27	6.07 0.00 -1.88	7.12 -0.01 -1.99	7.67 -0.02 -1.34	7.85 -0.03 -0.84	7.49 -0.03 -1.02	7.50 -0.03 -0.98	7.60 -0.03 -0.76	8.59 -0.06 -0.56	8.34 -0.05 -0.88	8.11 -0.06 -1.02	10.45 -0.04 -0.67	9.24 -0.04 -1.84	10.27 -0.02 -1.78	13.99 -0.02 -1.80	10.49 -0.01 -2.19	10.40 -0.03 -1.35	12.30 -0.02 -0.18	9.68 0.03 -0.48
LINDEN COGEN___ 23786	20.83 0.35 -15.29	19.33 0.34 -13.89	18.60 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.49 0.58 -15.76	24.30 0.72 -13.77	32.53 0.57 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.02 0.63 -21.32	23.13 0.89 -10.10	20.91 0.63 -11.10
LINDHRST_69_KV_BK1 356055	27.34 0.50 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.12 0.25 -17.11	21.03 0.29 -17.65	26.57 0.37 -22.11	29.73 0.39 -25.15	30.99 0.45 -25.40	28.62 0.65 -21.63	28.06 0.73 -20.28	26.43 0.66 -19.27	26.43 0.67 -19.21	26.11 0.71 -18.52	26.46 0.83 -17.54	26.79 0.78 -18.49	26.84 0.76 -18.93	29.90 0.99 -19.10	34.32 0.79 -26.09	37.80 0.83 -28.46	41.23 1.21 -27.81	42.08 0.78 -32.99	34.41 0.93 -24.40	28.29 1.20 -14.94	26.12 0.87 -16.07
LIPA_MISC_IPP 23656	27.34 0.50 -21.65	21.68 0.49 -16.08	21.83 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.37 -22.11	29.73 0.39 -25.15	30.99 0.45 -25.40	28.63 0.65 -21.63	28.06 0.74 -20.28	26.42 0.66 -19.27	26.43 0.67 -19.21	26.11 0.71 -18.52	26.46 0.83 -17.54	26.79 0.77 -18.49	26.86 0.78 -18.93	29.91 1.00 -19.10	34.32 0.80 -26.09	37.77 0.80 -28.46	41.21 1.18 -27.81	42.07 0.76 -32.99	34.44 0.96 -24.40	28.29 1.20 -14.94	26.11 0.86 -16.07
LISF___SOLAR 323691	27.34 0.51 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.05 0.30 -17.65	26.57 0.38 -22.11	29.74 0.39 -25.15	31.00 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.67 -19.27	26.43 0.67 -19.21	26.11 0.72 -18.52	26.46 0.84 -17.54	26.80 0.79 -18.49	26.84 0.76 -18.93	29.92 1.01 -19.10	34.33 0.80 -26.09	37.91 0.94 -28.46	41.23 1.21 -27.81	42.19 0.89 -32.99	34.45 0.97 -24.40	28.31 1.23 -14.94	26.12 0.87 -16.07
LITTLE FALLS___HYD 24013	5.22 0.04 0.00	5.13 0.03 0.00	4.72 0.04 -0.06	2.77 0.02 0.00	3.13 0.02 -0.02	4.20 0.03 -0.08	4.30 0.03 -0.09	5.28 0.03 -0.10	6.54 0.04 -0.15	7.24 0.04 -0.16	6.60 0.05 -0.05	6.66 0.05 -0.05	7.07 0.06 -0.13	8.34 0.05 -0.20	7.64 0.02 -0.09	7.30 -0.01 -0.16	10.06 -0.02 -0.27	7.51 -0.01 -0.09	8.67 0.03 -0.13	12.26 0.05 0.00	8.33 0.02 0.00	9.28 -0.04 -0.24	12.53 0.00 -0.38	9.44 0.00 -0.26
LITTLRIV_115KV_TB1 356100	5.05 -0.13 0.00	4.98 -0.12 0.00	3.33 -0.12 1.17	2.68 -0.07 0.00	2.62 -0.08 0.39	2.43 -0.10 1.56	2.43 -0.12 1.64	3.02 -0.13 1.98	3.24 -0.20 2.91	3.77 -0.25 3.03	5.21 -0.24 1.04	5.28 -0.23 1.04	3.97 -0.32 2.59	3.71 -0.43 3.94	5.23 -0.44 1.85	3.58 -0.44 3.13	4.03 -0.58 5.20	5.21 -0.45 1.78	5.47 -0.48 2.56	11.58 -0.64 0.00	7.90 -0.40 0.01	4.02 -0.42 4.64	4.26 -0.44 7.45	3.74 -0.30 5.13
LI_NEWBRDGE___DRP 323616	27.26 0.42 -21.65	21.59 0.41 -16.08	21.76 0.36 -16.79	20.08 0.21 -17.11	20.99 0.25 -17.65	26.51 0.31 -22.11	29.67 0.33 -25.15	30.92 0.38 -25.40	28.53 0.56 -21.63	27.97 0.64 -20.28	26.35 0.58 -19.27	26.36 0.60 -19.21	26.02 0.63 -18.52	26.36 0.74 -17.54	26.70 0.69 -18.49	26.73 0.65 -18.93	29.75 0.84 -19.10	34.19 0.66 -26.09	37.67 0.70 -28.46	41.05 1.03 -27.81	41.97 0.67 -32.99	34.25 0.77 -24.40	28.10 1.02 -14.94	25.99 0.74 -16.07
LOCKPORT_115KV_TB60_63_64 80432	7.55 -0.09 -2.45	7.19 -0.14 -2.23	6.68 -0.13 -2.20	5.15 -0.07 -2.46	5.50 -0.06 -2.48	6.64 -0.09 -2.65	7.89 -0.10 -3.80	9.01 -0.20 -4.07	9.13 -0.23 -3.01	8.85 -0.29 -2.09	8.33 -0.25 -2.09	8.28 -0.28 -2.01	8.46 -0.30 -1.88	9.57 -0.25 -1.74	9.18 -0.30 -1.97	9.35 -0.24 -2.45	11.63 -0.33 -2.15	10.95 -0.23 -3.74	12.07 -0.21 -3.77	15.13 -0.45 -3.37	12.16 -0.25 -4.10	12.09 -0.32 -3.33	13.32 -0.44 -1.62	10.56 -0.39 -1.78
LOCKPORT___CC1 323769	7.55 -0.10 -2.47	7.21 -0.13 -2.24	6.70 -0.13 -2.21	5.17 -0.06 -2.48	5.52 -0.06 -2.49	6.66 -0.09 -2.67	7.92 -0.10 -3.83	9.04 -0.20 -4.10	9.16 -0.22 -3.03	8.88 -0.27 -2.11	8.38 -0.22 -2.10	8.31 -0.27 -2.03	8.48 -0.29 -1.89	9.59 -0.24 -1.75	9.20 -0.29 -1.98	9.38 -0.24 -2.46	11.65 -0.32 -2.16	10.98 -0.22 -3.76	12.00 -0.28 -3.77	15.15 -0.43 -3.37	12.10 -0.32 -4.10	12.10 -0.31 -3.33	13.35 -0.41 -1.62	10.57 -0.38 -1.78
LOCKPORT___CC2 323770	7.55 -0.10 -2.47	7.21 -0.13 -2.24	6.70 -0.13 -2.21	5.17 -0.06 -2.48	5.52 -0.06 -2.49	6.66 -0.09 -2.67	7.92 -0.10 -3.83	9.04 -0.20 -4.10	9.16 -0.22 -3.03	8.88 -0.27 -2.11	8.38 -0.22 -2.10	8.31 -0.27 -2.03	8.48 -0.29 -1.89	9.59 -0.24 -1.75	9.20 -0.29 -1.98	9.38 -0.24 -2.46	11.65 -0.32 -2.16	10.98 -0.22 -3.76	12.00 -0.28 -3.77	15.15 -0.43 -3.37	12.10 -0.32 -4.10	12.10 -0.31 -3.33	13.35 -0.41 -1.62	10.57 -0.38 -1.78
LOCKPORT___CC3 323771	7.55 -0.10 -2.47	7.21 -0.13 -2.24	6.70 -0.13 -2.21	5.17 -0.06 -2.48	5.52 -0.06 -2.49	6.66 -0.09 -2.67	7.92 -0.10 -3.83	9.04 -0.20 -4.10	9.16 -0.22 -3.03	8.88 -0.27 -2.11	8.38 -0.22 -2.10	8.31 -0.27 -2.03	8.48 -0.29 -1.89	9.59 -0.24 -1.75	9.20 -0.29 -1.98	9.38 -0.24 -2.46	11.65 -0.32 -2.16	10.98 -0.22 -3.76	12.00 -0.28 -3.77	15.15 -0.43 -3.37	12.10 -0.32 -4.10	12.10 -0.31 -3.33	13.35 -0.41 -1.62	10.57 -0.38 -1.78

LONG_LAKE_PHOENIX 24014	6.63 -0.03 -1.47	6.40 -0.04 -1.34	5.90 -0.04 -1.32	4.21 -0.02 -1.48	4.55 -0.03 -1.49	5.65 -0.02 -1.59	6.46 -0.02 -2.29	7.56 -0.03 -2.45	8.13 -0.03 -1.81	8.28 -0.03 -1.26	7.73 -0.02 -1.26	7.73 -0.03 -1.21	7.98 -0.03 -1.13	9.10 -0.03 -1.05	8.68 -0.02 -1.18	8.59 -0.03 -1.47	11.09 -0.02 -1.30	9.69 -0.01 -2.26	10.79 0.01 -2.27	14.23 -0.01 -2.03	10.78 0.00 -2.47	11.06 -0.03 -2.01	13.08 -0.04 -0.97	10.27 0.03 -1.07
LOVETT___3 23632	20.36 0.33 -14.85	18.91 0.32 -13.49	18.19 0.27 -13.30	17.81 0.16 -14.90	18.28 0.19 -15.00	20.37 0.23 -16.06	27.46 0.24 -23.03	30.11 0.31 -24.66	25.01 0.43 -18.23	20.22 0.51 -12.67	19.61 0.46 -12.65	19.24 0.48 -12.21	18.73 0.50 -11.35	19.21 0.60 -10.53	20.12 0.58 -12.02	22.97 0.52 -15.30	23.85 0.67 -13.37	31.76 0.52 -23.80	32.60 0.57 -23.52	33.83 0.82 -20.80	34.33 0.54 -25.48	30.35 0.59 -20.69	22.75 0.80 -9.80	20.52 0.57 -10.78
LOVETT___4 23642	20.36 0.33 -14.85	18.91 0.32 -13.49	18.19 0.27 -13.30	17.81 0.16 -14.90	18.28 0.19 -15.00	20.37 0.23 -16.06	27.46 0.24 -23.03	30.11 0.31 -24.66	25.01 0.43 -18.23	20.22 0.51 -12.67	19.61 0.46 -12.65	19.24 0.48 -12.21	18.73 0.50 -11.35	19.21 0.60 -10.53	20.12 0.58 -12.02	22.97 0.52 -15.30	23.85 0.67 -13.37	31.76 0.52 -23.80	32.60 0.57 -23.52	33.83 0.82 -20.80	34.33 0.54 -25.48	30.35 0.59 -20.69	22.75 0.80 -9.80	20.52 0.57 -10.78
LOVETT___5 23593	20.36 0.33 -14.85	18.91 0.32 -13.49	18.19 0.27 -13.30	17.81 0.16 -14.90	18.28 0.19 -15.00	20.37 0.23 -16.06	27.46 0.24 -23.03	30.11 0.31 -24.66	25.01 0.43 -18.23	20.22 0.51 -12.67	19.61 0.46 -12.65	19.24 0.48 -12.21	18.73 0.50 -11.35	19.21 0.60 -10.53	20.12 0.58 -12.02	22.97 0.52 -15.30	23.85 0.67 -13.37	31.76 0.52 -23.80	32.60 0.57 -23.52	33.83 0.82 -20.80	34.33 0.54 -25.48	30.35 0.59 -20.69	22.75 0.80 -9.80	20.52 0.57 -10.78
LOWER_RAQUET___HYD 24057	5.02 -0.17 0.00	4.94 -0.16 0.00	3.31 -0.16 1.15	2.66 -0.09 0.00	2.60 -0.11 0.38	2.42 -0.14 1.53	2.43 -0.15 1.61	3.02 -0.17 1.94	3.26 -0.25 2.84	3.79 -0.29 2.97	5.18 -0.29 1.02	5.26 -0.27 1.02	3.96 -0.38 2.53	3.72 -0.50 3.86	5.20 -0.52 1.80	3.61 -0.51 3.04	4.08 -0.69 5.04	5.18 -0.53 1.73	5.44 -0.59 2.48	11.42 -0.79 0.00	7.80 -0.50 0.01	4.06 -0.51 4.50	4.37 -0.55 7.23	3.82 -0.38 4.98
LOWER___HUDSON 24059	24.14 0.23 -18.73	22.34 0.22 -17.02	21.59 0.20 -16.78	21.67 0.12 -18.79	22.15 0.14 -18.92	24.52 0.18 -20.25	33.44 0.19 -29.06	36.46 0.22 -31.10	29.62 0.27 -23.00	23.32 0.29 -15.98	22.72 0.27 -15.95	22.16 0.26 -15.36	21.47 0.28 -14.32	21.70 0.33 -13.28	22.68 0.29 -14.87	25.55 0.29 -18.11	26.40 0.41 -16.18	35.20 0.32 -27.45	36.78 0.38 -27.89	37.93 0.55 -25.17	39.16 0.37 -30.48	34.34 0.40 -24.87	25.02 0.53 -12.34	23.12 0.39 -13.56
LOWVILLE_115KV_TB2 356335	5.90 0.06 -0.66	5.74 0.05 -0.60	4.93 0.01 -0.30	3.42 0.01 -0.66	3.67 0.02 -0.57	4.43 0.02 -0.33	4.81 0.00 -0.62	5.75 0.00 -0.61	6.41 -0.03 -0.10	6.81 -0.06 0.18	6.74 -0.06 -0.30	6.79 -0.05 -0.29	6.67 -0.08 0.13	7.46 -0.13 0.50	7.45 -0.14 -0.07	6.89 -0.14 0.11	8.97 -0.15 0.70	7.90 -0.10 -0.57	8.83 -0.06 -0.38	13.08 -0.04 -0.90	9.38 -0.02 -1.09	8.78 -0.05 0.24	10.72 -0.04 1.39	8.37 -0.02 0.78
LUTHERFT_115KV_GLOB_FND_222 355753	24.58 0.28 -19.11	22.73 0.27 -17.36	21.98 0.24 -17.12	22.07 0.15 -19.17	22.56 0.16 -19.31	24.97 0.22 -20.66	34.12 0.24 -29.68	37.22 0.29 -31.79	30.21 0.36 -23.50	23.75 0.37 -16.34	23.15 0.34 -16.31	22.58 0.33 -15.70	21.86 0.34 -14.64	22.06 0.40 -13.58	23.12 0.37 -15.23	26.17 0.37 -18.65	26.97 0.54 -16.61	36.22 0.42 -28.36	37.67 0.49 -28.68	38.74 0.71 -25.82	40.12 0.50 -31.31	35.14 0.54 -25.53	25.43 0.69 -12.60	23.51 0.49 -13.85
LUTHERNY_35_KV_BK2 355980	24.58 0.28 -19.11	22.73 0.27 -17.36	21.98 0.24 -17.12	22.07 0.15 -19.17	22.57 0.17 -19.31	24.97 0.22 -20.66	34.12 0.25 -29.68	37.23 0.29 -31.79	30.21 0.36 -23.50	23.75 0.37 -16.34	23.15 0.34 -16.31	22.58 0.33 -15.70	21.87 0.35 -14.64	22.07 0.41 -13.58	23.12 0.37 -15.23	26.17 0.37 -18.65	26.97 0.54 -16.61	36.22 0.42 -28.36	37.67 0.49 -28.68	38.75 0.72 -25.82	40.13 0.51 -31.31	35.14 0.54 -25.53	25.43 0.69 -12.60	23.52 0.50 -13.85
LWR___OSWEGATCHIE_HYD 23850	5.60 -0.07 -0.49	5.48 -0.07 -0.45	4.21 -0.08 0.32	3.20 -0.05 -0.49	3.28 -0.05 -0.24	3.53 -0.07 0.49	3.80 -0.08 0.31	4.57 -0.10 0.48	4.91 -0.15 1.29	5.30 -0.19 1.56	6.05 -0.19 0.26	6.10 -0.18 0.27	5.32 -0.25 1.31	5.52 -0.34 2.22	6.35 -0.35 0.82	5.25 -0.34 1.56	6.41 -0.44 2.96	6.69 -0.33 0.42	7.25 -0.34 0.92	12.44 -0.44 -0.67	8.84 -0.27 -0.80	6.41 -0.30 2.36	7.30 -0.32 4.53	5.98 -0.20 2.99
LYONS_FALL_HYD 23570	5.88 0.07 -0.62	5.73 0.06 -0.56	5.05 0.05 -0.39	3.40 0.03 -0.62	3.70 0.03 -0.57	4.59 0.05 -0.45	4.95 0.03 -0.73	5.94 0.04 -0.75	6.73 0.03 -0.35	7.16 0.01 -0.10	6.87 -0.01 -0.38	6.94 0.03 -0.36	7.00 0.01 -0.11	7.94 -0.02 0.12	7.73 -0.03 -0.24	7.28 -0.05 -0.18	9.59 -0.04 0.18	8.12 -0.02 -0.70	9.11 0.00 -0.60	13.15 0.09 -0.85	9.37 0.02 -1.04	9.30 0.03 -0.20	11.58 0.06 0.63	8.97 0.06 0.27
MADISON___COUNTY_LFGE 323628	6.34 0.13 -1.02	6.15 0.12 -0.93	5.66 0.12 -0.91	3.84 0.07 -1.02	4.20 0.08 -1.03	5.31 0.12 -1.10	5.89 0.11 -1.58	6.97 0.13 -1.69	7.75 0.15 -1.25	8.07 0.15 -0.87	7.52 0.15 -0.87	7.55 0.16 -0.84	7.83 0.17 -0.78	8.98 0.18 -0.72	8.49 0.16 -0.82	8.29 0.12 -1.02	10.91 0.20 -0.90	9.16 0.16 -1.56	10.32 0.25 -1.57	13.98 0.37 -1.40	10.26 0.24 -1.70	10.67 0.21 -1.39	13.12 0.30 -0.67	10.15 0.24 -0.74
MALONE___115KV_TB1 356076	5.07 -0.11 0.00	4.96 -0.14 0.00	3.10 -0.18 1.35	2.63 -0.12 0.00	2.49 -0.15 0.45	2.09 -0.20 1.79	2.09 -0.21 1.89	2.65 -0.22 2.28	2.74 -0.27 3.34	3.27 -0.30 3.48	5.02 -0.28 1.20	5.09 -0.27 1.19	3.59 -0.32 2.97	3.14 -0.41 4.53	5.00 -0.41 2.11	3.20 -0.39 3.57	3.35 -0.54 5.92	5.02 -0.39 2.03	5.16 -0.43 2.92	11.63 -0.59 0.00	7.93 -0.37 0.01	3.36 -0.43 5.29	3.02 -0.64 8.48	2.83 -0.50 5.84
MAPLEWOD_115KV_TB3 80458	24.08 0.25 -18.64	22.28 0.24 -16.94	21.54 0.22 -16.70	21.59 0.13 -18.70	22.08 0.15 -18.83	24.44 0.20 -20.16	33.32 0.21 -28.93	36.32 0.24 -30.94	29.53 0.31 -22.87	23.28 0.33 -15.90	22.67 0.31 -15.87	22.13 0.30 -15.28	21.44 0.32 -14.24	21.67 0.38 -13.21	22.68 0.35 -14.82	25.61 0.33 -18.13	26.44 0.47 -16.16	35.36 0.36 -27.55	36.85 0.43 -27.90	37.97 0.62 -25.13	39.21 0.42 -30.47	34.37 0.44 -24.85	25.01 0.60 -12.27	23.10 0.43 -13.49
MAPLE_RIDGE_WT_1 323574	4.89 -0.30 0.00	4.81 -0.30 0.00	1.60 -0.28 2.74	2.59 -0.17 0.00	1.99 -0.19 0.91	0.18 -0.25 3.65	0.09 -0.26 3.85	0.19 -0.31 4.64	-0.82 -0.37 6.80	-0.44 -0.39 7.09	3.71 -0.34 2.44	3.78 -0.34 2.43	0.46 -0.36 6.06	-1.57 -0.43 9.23	2.83 -0.40 4.29	-0.49 -0.38 7.26	-2.76 -0.52 12.05	2.93 -0.38 4.13	2.16 -0.42 5.94	11.59 -0.62 0.00	7.84 -0.45 0.03	-2.20 -0.52 10.76	-5.83 -0.70 17.27	-3.26 -0.54 11.89

MAPLE_RIDGE_WT_2 323611	4.89 -0.30 0.00	4.81 -0.30 0.00	1.60 -0.28 2.74	2.59 -0.17 0.00	1.99 -0.19 0.91	0.18 -0.25 3.65	0.09 -0.26 3.85	0.19 -0.31 4.64	-0.82 -0.37 6.80	-0.44 -0.39 7.09	3.71 -0.34 2.44	3.78 -0.34 2.43	0.46 -0.36 6.06	-1.57 -0.43 9.23	2.83 -0.40 4.29	-0.49 -0.38 7.26	-2.76 -0.52 12.05	2.93 -0.38 4.13	2.16 -0.42 5.94	11.59 -0.62 0.00	7.84 -0.45 0.03	-2.20 -0.52 10.76	-5.83 -0.70 17.27	-3.26 -0.54 11.89
MARBLE_RIVER_WT_PWR 323696	5.05 -0.13 0.00	4.92 -0.18 0.00	2.95 -0.23 1.44	2.60 -0.16 0.00	2.42 -0.19 0.48	1.90 -0.27 1.92	1.88 -0.29 2.02	2.40 -0.30 2.44	2.42 -0.36 3.57	2.94 -0.38 3.73	4.87 -0.34 1.28	4.95 -0.33 1.28	3.34 -0.36 3.18	2.78 -0.46 4.85	4.82 -0.44 2.25	2.93 -0.41 3.81	2.91 -0.57 6.33	4.88 -0.39 2.17	4.98 -0.41 3.12	11.59 -0.62 0.00	7.92 -0.37 0.01	2.94 -0.48 5.65	2.28 -0.79 9.07	2.30 -0.62 6.25
MARSHVLE_115KV_TB1 80742	28.20 0.32 -22.70	26.01 0.29 -20.62	25.22 0.27 -20.33	25.69 0.16 -22.77	26.21 0.18 -22.93	28.89 0.26 -24.54	39.74 0.29 -35.26	43.26 0.34 -37.77	34.69 0.41 -27.93	26.87 0.42 -19.41	26.25 0.38 -19.37	25.62 0.40 -18.67	24.68 0.41 -17.39	24.63 0.41 -16.13	26.07 0.38 -18.16	29.97 0.39 -22.44	30.31 0.60 -19.90	42.22 0.49 -34.29	43.57 0.57 -34.49	43.99 0.85 -30.93	46.50 0.60 -37.59	40.37 0.67 -30.62	27.94 0.83 -14.97	26.21 0.58 -16.46
MARSH_HILL_WT_PWR 323713	8.56 0.35 -3.03	8.17 0.31 -2.76	7.59 0.26 -2.72	5.95 0.15 -3.04	6.33 0.17 -3.07	7.64 0.28 -3.28	9.21 0.31 -4.71	10.55 0.37 -5.04	10.53 0.45 -3.73	10.16 0.53 -2.59	9.55 0.47 -2.59	9.47 0.43 -2.49	9.67 0.47 -2.32	10.77 0.53 -2.15	10.45 0.50 -2.43	10.62 0.44 -3.03	12.80 0.16 -2.83	12.52 0.16 -4.92	13.61 0.17 -4.93	16.89 0.27 -4.41	13.82 0.14 -5.36	13.59 0.14 -4.37	14.37 0.11 -2.12	11.55 0.05 -2.33
MCINTYRE_115KV_TB2 80467	5.05 -0.13 0.00	4.99 -0.11 0.00	3.31 -0.10 1.21	2.69 -0.06 0.00	2.62 -0.06 0.40	2.39 -0.08 1.61	2.39 -0.10 1.70	2.98 -0.11 2.05	3.16 -0.18 3.00	3.68 -0.23 3.13	5.19 -0.23 1.08	5.26 -0.22 1.07	3.91 -0.29 2.68	3.63 -0.38 4.08	5.23 -0.37 1.92	3.55 -0.36 3.24	3.95 -0.48 5.38	5.22 -0.37 1.84	5.46 -0.40 2.65	11.69 -0.53 0.00	7.97 -0.33 0.01	3.94 -0.34 4.80	4.06 -0.38 7.70	3.60 -0.27 5.31
MECO____69_KV_BK1 80468	27.26 0.47 -21.61	25.17 0.44 -19.63	24.37 0.40 -19.35	24.67 0.23 -21.68	25.19 0.27 -21.83	27.85 0.40 -23.36	38.21 0.45 -33.57	41.62 0.51 -35.97	33.54 0.60 -26.59	26.11 0.58 -18.48	25.49 0.55 -18.45	24.88 0.56 -17.77	24.03 0.59 -16.56	24.09 0.65 -15.36	25.38 0.58 -17.28	28.97 0.49 -21.33	29.51 0.78 -18.93	40.65 0.64 -32.57	42.20 0.91 -32.77	42.94 1.32 -29.41	44.98 0.94 -35.73	39.00 0.81 -29.11	27.63 1.23 -14.25	25.69 0.84 -15.67
MENANDS__115KV_TB5 355628	23.88 0.23 -18.47	22.11 0.22 -16.78	21.37 0.20 -16.55	21.41 0.12 -18.54	21.89 0.14 -18.67	24.24 0.18 -19.98	33.02 0.18 -28.66	35.93 0.21 -30.58	29.22 0.27 -22.61	23.05 0.29 -15.71	22.45 0.27 -15.68	21.91 0.26 -15.10	21.23 0.28 -14.08	21.47 0.33 -13.06	22.46 0.30 -14.64	25.34 0.29 -17.90	26.18 0.41 -15.96	34.94 0.31 -27.19	36.43 0.36 -27.56	37.57 0.53 -24.83	38.76 0.35 -30.10	34.01 0.38 -24.55	24.79 0.51 -12.13	22.88 0.37 -13.34
MG INDUSTRY__DRP 24185	23.54 0.23 -18.13	21.79 0.22 -16.47	21.06 0.20 -16.24	21.06 0.12 -18.19	21.54 0.14 -18.32	23.87 0.18 -19.60	32.46 0.18 -28.09	35.42 0.21 -30.08	28.84 0.26 -22.24	22.78 0.27 -15.46	22.18 0.25 -15.43	21.66 0.25 -14.86	20.99 0.26 -13.85	21.23 0.31 -12.84	22.25 0.28 -14.45	25.24 0.27 -17.82	26.02 0.39 -15.82	34.94 0.30 -27.20	36.32 0.36 -27.45	37.36 0.51 -24.64	38.60 0.36 -29.93	33.84 0.38 -24.39	24.62 0.52 -11.95	22.69 0.38 -13.14
MID__OSWEGATCHIE_HYD 23849	5.60 -0.07 -0.49	5.48 -0.07 -0.45	4.21 -0.08 0.32	3.20 -0.05 -0.49	3.28 -0.05 -0.24	3.53 -0.07 0.49	3.80 -0.08 0.31	4.57 -0.10 0.48	4.91 -0.15 1.29	5.30 -0.19 1.56	6.05 -0.19 0.26	6.10 -0.18 0.27	5.32 -0.25 1.31	5.52 -0.34 2.22	6.35 -0.35 0.82	5.25 -0.34 1.56	6.41 -0.44 2.96	6.69 -0.33 0.42	7.25 -0.34 0.92	12.44 -0.44 -0.67	8.84 -0.27 -0.80	6.41 -0.30 2.36	7.30 -0.32 4.53	5.98 -0.20 2.99
MID__RAQUETTE_HYD 23851	5.01 -0.17 0.00	4.94 -0.16 0.00	3.31 -0.16 1.15	2.66 -0.09 0.00	2.60 -0.11 0.38	2.42 -0.14 1.53	2.43 -0.15 1.61	3.02 -0.17 1.94	3.26 -0.25 2.84	3.79 -0.29 2.97	5.19 -0.29 1.02	5.26 -0.28 1.02	3.96 -0.39 2.53	3.72 -0.50 3.86	5.19 -0.52 1.81	3.58 -0.51 3.07	4.03 -0.69 5.09	5.17 -0.53 1.74	5.43 -0.58 2.51	11.42 -0.79 0.00	7.80 -0.50 0.01	4.02 -0.51 4.54	4.31 -0.55 7.29	3.77 -0.38 5.02
MILLIKEN__1 23584	8.48 0.18 -3.12	8.10 0.16 -2.84	7.56 0.14 -2.80	5.97 0.08 -3.13	6.34 0.09 -3.15	7.60 0.14 -3.38	9.19 0.16 -4.84	10.51 0.19 -5.18	10.41 0.23 -3.83	9.96 0.25 -2.66	9.38 0.23 -2.66	9.34 0.23 -2.56	9.51 0.25 -2.39	10.56 0.27 -2.21	10.30 0.28 -2.50	10.52 0.25 -3.12	12.92 0.35 -2.76	12.50 0.27 -4.80	13.67 0.36 -4.80	16.99 0.49 -4.29	13.88 0.34 -5.23	13.65 0.33 -4.25	14.61 0.40 -2.06	11.77 0.33 -2.27
MILLIKEN__2 23585	8.48 0.18 -3.12	8.10 0.16 -2.84	7.56 0.14 -2.80	5.97 0.08 -3.13	6.34 0.09 -3.15	7.60 0.14 -3.38	9.19 0.16 -4.84	10.51 0.19 -5.18	10.41 0.23 -3.83	9.96 0.25 -2.66	9.38 0.23 -2.66	9.34 0.23 -2.56	9.51 0.25 -2.39	10.56 0.27 -2.21	10.30 0.28 -2.50	10.52 0.25 -3.12	12.92 0.35 -2.76	12.50 0.27 -4.80	13.67 0.36 -4.80	16.99 0.49 -4.29	13.88 0.34 -5.23	13.65 0.33 -4.25	14.61 0.40 -2.06	11.77 0.33 -2.27
MILLIKEN__DIESEL 23629	8.48 0.18 -3.12	8.10 0.16 -2.84	7.56 0.14 -2.80	5.97 0.08 -3.13	6.34 0.09 -3.15	7.60 0.14 -3.38	9.19 0.16 -4.84	10.51 0.19 -5.18	10.41 0.23 -3.83	9.96 0.25 -2.66	9.38 0.23 -2.66	9.34 0.23 -2.56	9.51 0.25 -2.39	10.56 0.27 -2.21	10.30 0.28 -2.50	10.52 0.25 -3.12	12.92 0.35 -2.76	12.50 0.27 -4.80	13.67 0.36 -4.80	16.99 0.49 -4.29	13.88 0.34 -5.23	13.65 0.33 -4.25	14.61 0.40 -2.06	11.77 0.33 -2.27
MILLSEAT__LFGE 323607	7.57 -0.06 -2.45	7.23 -0.10 -2.23	6.71 -0.10 -2.19	5.16 -0.05 -2.46	5.52 -0.04 -2.47	6.68 -0.06 -2.65	7.92 -0.08 -3.80	9.05 -0.15 -4.07	9.18 -0.18 -3.01	8.92 -0.22 -2.09	8.41 -0.17 -2.09	8.34 -0.22 -2.01	8.50 -0.25 -1.87	9.63 -0.19 -1.74	9.23 -0.25 -1.96	9.41 -0.19 -2.44	11.72 -0.24 -2.15	11.01 -0.16 -3.73	12.04 -0.21 -3.74	15.24 -0.32 -3.34	12.15 -0.23 -4.07	12.16 -0.23 -3.31	13.43 -0.32 -1.60	10.62 -0.31 -1.76
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	20.73 0.33 -15.22	19.25 0.32 -13.83	18.52 0.27 -13.63	18.19 0.16 -15.27	18.66 0.19 -15.38	20.78 0.23 -16.46	28.04 0.24 -23.61	30.73 0.32 -25.27	25.47 0.44 -18.69	20.54 0.51 -12.99	19.93 0.47 -12.96	19.55 0.48 -12.52	19.02 0.51 -11.64	19.47 0.60 -10.79	20.42 0.58 -12.32	23.37 0.53 -15.69	24.19 0.68 -13.71	32.38 0.53 -24.41	33.20 0.57 -24.12	34.37 0.83 -21.33	34.98 0.54 -26.13	30.89 0.60 -21.22	23.00 0.80 -10.05	20.79 0.57 -11.05

MILLWOOD_13_KV_LOAD 356217	20.74 0.34 -15.22	19.26 0.33 -13.83	18.53 0.28 -13.63	18.19 0.17 -15.27	18.67 0.20 -15.38	20.78 0.24 -16.46	28.05 0.25 -23.61	30.75 0.33 -25.27	25.47 0.44 -18.69	20.54 0.51 -12.99	19.93 0.47 -12.96	19.56 0.49 -12.52	19.02 0.51 -11.64	19.47 0.60 -10.79	20.43 0.59 -12.32	23.38 0.54 -15.69	24.20 0.69 -13.71	32.39 0.54 -24.41	33.22 0.59 -24.12	34.40 0.85 -21.33	34.99 0.55 -26.13	30.91 0.62 -21.22	23.01 0.81 -10.05	20.80 0.58 -11.05
MODEL_CITY_ENERGY 24167	7.52 -0.14 -2.48	7.18 -0.17 -2.25	6.67 -0.16 -2.22	5.15 -0.08 -2.49	5.51 -0.08 -2.50	6.64 -0.12 -2.68	7.90 -0.14 -3.84	9.01 -0.25 -4.11	9.10 -0.29 -3.04	8.81 -0.35 -2.11	8.32 -0.29 -2.11	8.24 -0.34 -2.03	8.41 -0.36 -1.89	9.52 -0.32 -1.76	9.14 -0.37 -1.99	9.32 -0.31 -2.47	11.55 -0.43 -2.17	10.92 -0.30 -3.78	11.91 -0.38 -3.78	15.03 -0.56 -3.38	12.02 -0.41 -4.12	12.02 -0.40 -3.35	13.23 -0.53 -1.62	10.49 -0.47 -1.78
MODERN_LFGE_ 323580	7.52 -0.14 -2.48	7.18 -0.17 -2.25	6.67 -0.16 -2.22	5.15 -0.08 -2.49	5.51 -0.08 -2.50	6.64 -0.12 -2.68	7.90 -0.14 -3.84	9.01 -0.25 -4.11	9.10 -0.29 -3.04	8.81 -0.35 -2.11	8.32 -0.29 -2.11	8.24 -0.34 -2.03	8.41 -0.36 -1.89	9.52 -0.32 -1.76	9.14 -0.37 -1.99	9.32 -0.31 -2.47	11.55 -0.43 -2.17	10.92 -0.30 -3.78	11.91 -0.38 -3.78	15.03 -0.56 -3.38	12.02 -0.41 -4.12	12.02 -0.40 -3.35	13.23 -0.53 -1.62	10.49 -0.47 -1.78
MOHAWK_PAPER___DRP 24187	24.08 0.25 -18.64	22.28 0.24 -16.94	21.54 0.22 -16.70	21.59 0.13 -18.70	22.08 0.15 -18.83	24.44 0.20 -20.16	33.32 0.21 -28.93	36.32 0.24 -30.94	29.53 0.31 -22.87	23.28 0.33 -15.90	22.67 0.31 -15.87	22.13 0.30 -15.28	21.44 0.32 -14.24	21.67 0.38 -13.21	22.68 0.35 -14.82	25.61 0.33 -18.13	26.44 0.47 -16.16	35.36 0.36 -27.55	36.85 0.43 -27.90	37.97 0.62 -25.13	39.21 0.42 -30.47	34.37 0.44 -24.85	25.01 0.60 -12.27	23.10 0.43 -13.49
MOHICAN__35_KV_115KV_LD 80490	24.61 0.30 -19.13	22.76 0.28 -17.38	22.00 0.25 -17.14	22.10 0.15 -19.20	22.59 0.17 -19.33	25.02 0.25 -20.69	34.19 0.28 -29.72	37.30 0.32 -31.83	30.27 0.39 -23.53	23.80 0.39 -16.36	23.19 0.37 -16.33	22.61 0.34 -15.72	21.90 0.37 -14.66	22.10 0.42 -13.59	23.16 0.39 -15.25	26.23 0.39 -18.68	27.03 0.58 -16.64	36.32 0.47 -28.41	37.78 0.54 -28.72	38.87 0.81 -25.86	40.24 0.57 -31.35	35.25 0.61 -25.57	25.52 0.77 -12.61	23.57 0.53 -13.87
MONGAUP___HYD 23641	19.39 0.31 -13.90	18.03 0.30 -12.63	17.32 0.25 -12.45	16.85 0.15 -13.95	17.31 0.18 -14.05	19.34 0.22 -15.03	25.98 0.22 -21.57	28.50 0.28 -23.08	23.79 0.37 -17.07	19.32 0.42 -11.86	18.71 0.38 -11.84	18.38 0.40 -11.43	17.90 0.39 -10.63	18.42 0.48 -9.86	19.22 0.46 -11.25	21.84 0.39 -14.30	22.78 0.47 -12.50	29.96 0.29 -22.23	30.85 0.35 -21.99	32.16 0.49 -19.45	32.49 0.36 -23.82	28.77 0.35 -19.35	22.03 0.70 -9.18	19.83 0.57 -10.09
MONTAUK___DIESEL 23721	27.49 0.66 -21.65	21.83 0.65 -16.08	21.97 0.57 -16.79	20.20 0.34 -17.11	21.14 0.39 -17.65	26.69 0.49 -22.11	29.87 0.52 -25.15	31.16 0.62 -25.40	28.84 0.86 -21.63	28.30 0.97 -20.28	26.65 0.88 -19.27	26.64 0.88 -19.21	26.32 0.92 -18.52	26.71 1.08 -17.54	27.02 1.01 -18.49	27.15 1.07 -18.93	30.33 1.42 -19.10	34.67 1.14 -26.09	38.09 1.12 -28.46	41.68 1.66 -27.81	42.38 1.08 -32.99	34.86 1.39 -24.40	28.75 1.66 -14.94	26.43 1.18 -16.07
MOONROAD_115KV_HARTFLD_TB1-2 355988	7.82 -0.16 -2.80	7.43 -0.21 -2.54	6.90 -0.22 -2.51	5.43 -0.13 -2.81	5.78 -0.14 -2.83	6.93 -0.18 -3.03	8.36 -0.17 -4.34	9.55 -0.24 -4.65	9.51 -0.27 -3.44	9.13 -0.30 -2.39	8.61 -0.27 -2.38	8.57 -0.28 -2.30	8.74 -0.28 -2.14	9.82 -0.25 -1.99	9.48 -0.28 -2.24	9.74 -0.20 -2.79	12.01 -0.26 -2.46	11.61 -0.10 -4.28	12.87 -0.02 -4.38	15.95 -0.17 -3.91	12.98 -0.09 -4.76	12.79 -0.16 -3.88	13.64 -0.39 -1.88	10.86 -0.38 -2.07
MORTIMER_115KV_TB3 55949	7.23 0.02 -2.03	6.92 -0.02 -1.84	6.41 -0.02 -1.82	4.78 -0.01 -2.04	5.13 -0.01 -2.05	6.29 0.01 -2.19	7.34 0.00 -3.15	8.50 -0.02 -3.37	8.83 -0.01 -2.49	8.76 -0.01 -1.73	8.21 -0.01 -1.73	8.19 -0.03 -1.67	8.39 -0.04 -1.55	9.53 0.01 -1.44	9.12 -0.02 -1.63	9.18 0.01 -2.03	11.63 0.02 -1.80	10.59 0.02 -3.12	11.70 0.05 -3.14	15.03 0.01 -2.81	11.77 0.04 -3.42	11.87 0.01 -2.78	13.46 -0.04 -1.35	10.60 -0.06 -1.48
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.40	25.61 0.49 -18.78	20.67 0.58 -13.05	20.06 0.53 -13.03	19.68 0.55 -12.58	19.15 0.58 -11.69	19.61 0.68 -10.84	20.56 0.66 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.38 0.63 -24.24	34.55 0.90 -21.43	35.15 0.58 -26.26	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
MUNSVILLE_WIND_PWR 323609	10.05 0.33 -4.54	9.52 0.30 -4.12	9.00 0.31 -4.07	7.47 0.17 -4.56	7.87 0.19 -4.59	9.27 0.28 -4.91	11.49 0.26 -7.04	13.00 0.32 -7.54	12.27 0.34 -5.58	11.29 0.37 -3.88	10.68 0.31 -3.87	10.67 0.39 -3.73	10.76 0.41 -3.47	11.72 0.41 -3.22	11.56 0.40 -3.64	12.06 0.38 -4.53	14.41 0.59 -4.01	14.86 0.46 -6.96	16.07 0.58 -6.98	19.40 0.95 -6.23	16.49 0.59 -7.59	15.88 0.63 -6.18	15.90 0.75 -3.00	13.04 0.57 -3.29
N SALMON___HYD 24042	5.08 -0.10 0.00	4.96 -0.14 0.00	3.10 -0.18 1.35	2.63 -0.12 0.00	2.49 -0.15 0.45	2.09 -0.20 1.79	2.09 -0.21 1.89	2.65 -0.22 2.28	2.74 -0.27 3.34	3.27 -0.30 3.48	5.02 -0.28 1.20	5.09 -0.27 1.19	3.59 -0.32 2.97	3.14 -0.41 4.53	5.01 -0.41 2.11	3.20 -0.39 3.56	3.36 -0.54 5.92	5.03 -0.39 2.03	5.19 -0.41 2.91	11.63 -0.59 0.00	7.95 -0.35 0.01	3.37 -0.43 5.28	3.03 -0.64 8.47	2.83 -0.50 5.84
N.AKRON__115KV_KNAPP 355671	7.59 -0.04 -2.45	7.23 -0.09 -2.22	6.72 -0.09 -2.19	5.16 -0.04 -2.45	5.52 -0.04 -2.47	6.68 -0.05 -2.65	7.91 -0.07 -3.79	9.05 -0.15 -4.06	9.19 -0.17 -3.00	8.92 -0.21 -2.09	8.39 -0.19 -2.08	8.34 -0.22 -2.01	8.51 -0.23 -1.87	9.64 -0.18 -1.74	9.25 -0.23 -1.96	9.41 -0.18 -2.44	11.71 -0.25 -2.15	11.01 -0.16 -3.73	12.15 -0.12 -3.76	15.27 -0.31 -3.36	12.25 -0.15 -4.09	12.17 -0.23 -3.33	13.45 -0.30 -1.61	10.64 -0.30 -1.77
N.BELMOR_69_KV_BK1 55787	27.29 0.46 -21.65	21.62 0.44 -16.08	21.79 0.38 -16.79	20.09 0.23 -17.11	21.01 0.27 -17.65	26.53 0.33 -22.11	29.69 0.35 -25.15	30.95 0.41 -25.40	28.57 0.60 -21.63	28.01 0.68 -20.28	26.39 0.62 -19.27	26.40 0.64 -19.21	26.06 0.67 -18.52	26.42 0.79 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.83 0.92 -19.10	34.25 0.72 -26.09	37.73 0.76 -28.46	41.13 1.11 -27.81	42.03 0.72 -32.99	34.32 0.84 -24.40	28.19 1.11 -14.94	26.05 0.81 -16.07
N.E._GEN_SANDY PD 24062	22.59 0.24 -17.17	20.93 0.23 -15.60	20.20 0.20 -15.38	20.10 0.12 -17.23	20.58 0.14 -17.35	22.82 0.17 -18.57	31.00 0.17 -26.64	33.86 0.21 -28.51	27.70 0.27 -21.08	22.00 0.30 -14.65	21.40 0.28 -14.62	20.81 0.28 -13.98	20.30 0.30 -13.13	20.61 0.36 -12.17	20.80 0.32 -12.97	21.40 0.31 -13.94	23.54 0.42 -13.30	27.16 0.33 -19.39	30.45 0.38 -21.56	33.40 0.52 -20.66	32.87 0.36 -24.20	29.50 0.38 -20.04	23.90 0.52 -11.23	21.90 0.38 -12.35

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	20.34 0.33 -14.82	18.89 0.32 -13.47	18.17 0.27 -13.28	17.79 0.16 -14.87	18.26 0.19 -14.98	20.34 0.23 -16.03	27.43 0.25 -22.99	30.07 0.32 -24.61	24.99 0.44 -18.20	20.21 0.51 -12.65	19.60 0.47 -12.62	19.23 0.49 -12.19	18.73 0.52 -11.33	19.20 0.61 -10.51	20.10 0.59 -12.00	22.95 0.54 -15.27	23.84 0.69 -13.34	31.72 0.53 -23.75	32.57 0.59 -23.48	33.82 0.84 -20.76	34.30 0.56 -25.43	30.32 0.60 -20.65	22.75 0.81 -9.79	20.52 0.59 -10.76
N.QUEENS_27_KV_LOAD 356247	20.89 0.42 -15.29	19.39 0.39 -13.89	18.63 0.32 -13.70	18.29 0.19 -15.34	18.76 0.22 -15.45	20.89 0.27 -16.54	28.15 0.24 -23.72	30.87 0.33 -25.39	25.60 0.48 -18.78	20.66 0.56 -13.05	20.05 0.53 -13.03	19.68 0.55 -12.58	19.16 0.59 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.31 0.73 -13.77	32.54 0.57 -24.53	33.35 0.60 -24.24	34.49 0.84 -21.43	35.11 0.54 -26.26	31.04 0.64 -21.32	23.15 0.91 -10.10	21.02 0.74 -11.10
N.TROY___115KV_TB1 355778	24.14 0.23 -18.73	22.34 0.22 -17.02	21.59 0.20 -16.78	21.67 0.12 -18.79	22.15 0.14 -18.92	24.52 0.18 -20.25	33.45 0.19 -29.07	36.46 0.22 -31.10	29.62 0.27 -23.00	23.32 0.29 -15.98	22.72 0.27 -15.95	22.16 0.26 -15.36	21.47 0.28 -14.32	21.70 0.33 -13.28	22.68 0.29 -14.87	25.55 0.29 -18.11	26.40 0.41 -16.18	35.20 0.32 -27.45	36.76 0.37 -27.87	37.91 0.54 -25.16	39.14 0.37 -30.46	34.33 0.40 -24.86	25.01 0.53 -12.33	23.12 0.39 -13.56
NARROWS_GT1_1 24228	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT1_2 24229	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT1_3 24230	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT1_4 24231	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT1_5 24232	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT1_6 24233	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT1_7 24234	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT1_8 24235	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT2_1 24236	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT2_2 24237	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT2_3 24238	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT2_4 24239	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10

NARROWS_GT2_5 24240	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT2_6 24241	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT2_7 24242	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NARROWS_GT2_8 24243	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	22.86 0.26 -17.41	21.17 0.26 -15.82	20.44 0.23 -15.60	20.36 0.13 -17.47	20.84 0.16 -17.59	23.13 0.22 -18.83	31.40 0.22 -26.99	34.29 0.25 -28.89	28.01 0.30 -21.36	22.19 0.30 -14.85	21.58 0.26 -14.82	21.09 0.26 -14.28	20.43 0.25 -13.30	20.73 0.31 -12.34	21.70 0.28 -13.91	24.66 0.30 -17.21	25.51 0.45 -15.25	34.11 0.33 -26.34	35.44 0.43 -26.50	36.62 0.66 -23.75	37.68 0.49 -28.87	33.08 0.49 -23.52	24.30 0.68 -11.48	22.27 0.48 -12.62
NCHELSEA_115KV_TR2 355582	20.78 0.35 -15.25	19.29 0.34 -13.85	18.56 0.29 -13.66	18.22 0.17 -15.30	18.70 0.20 -15.41	20.81 0.24 -16.49	28.09 0.25 -23.65	30.78 0.32 -25.32	25.51 0.44 -18.72	20.56 0.50 -13.01	19.94 0.45 -12.99	19.56 0.48 -12.53	19.02 0.49 -11.66	19.47 0.57 -10.81	20.40 0.56 -12.32	23.30 0.52 -15.63	24.16 0.67 -13.68	32.21 0.51 -24.26	33.12 0.57 -24.03	34.34 0.84 -21.29	34.94 0.57 -26.05	30.85 0.61 -21.16	23.06 0.85 -10.07	20.85 0.61 -11.07
NEG CAPITAL___MECHNVIL 23645	24.46 0.28 -18.99	22.63 0.27 -17.26	21.88 0.24 -17.01	21.95 0.15 -19.06	22.45 0.17 -19.19	24.85 0.23 -20.54	33.90 0.25 -29.47	37.01 0.29 -31.58	30.06 0.36 -23.35	23.65 0.37 -16.23	23.05 0.35 -16.20	22.47 0.33 -15.60	21.77 0.35 -14.54	21.98 0.41 -13.49	23.01 0.38 -15.12	26.00 0.37 -18.48	26.83 0.54 -16.48	35.92 0.42 -28.06	37.46 0.50 -28.45	38.58 0.73 -25.63	39.90 0.52 -31.07	34.95 0.54 -25.34	25.36 0.69 -12.53	23.44 0.49 -13.77
NEG CENTRAL_HIGH_ACRES 23767	7.14 -0.04 -1.99	6.84 -0.07 -1.81	6.34 -0.06 -1.78	4.71 -0.04 -2.00	5.06 -0.04 -2.01	6.21 -0.03 -2.15	7.25 -0.02 -3.09	8.41 -0.04 -3.31	8.75 -0.04 -2.44	8.69 -0.06 -1.70	8.16 -0.03 -1.70	8.13 -0.06 -1.63	8.33 -0.07 -1.52	9.45 -0.05 -1.41	9.05 -0.06 -1.60	9.09 -0.04 -1.99	11.52 -0.05 -1.76	10.46 -0.04 -3.06	11.53 -0.05 -3.07	14.89 -0.06 -2.74	11.59 -0.06 -3.34	11.73 -0.06 -2.72	13.34 -0.12 -1.32	10.52 -0.10 -1.45
NEG CENTRAL___DRP 24199	7.44 0.11 -2.14	7.13 0.09 -1.94	6.60 0.07 -1.92	4.94 0.04 -2.15	5.30 0.05 -2.16	6.49 0.09 -2.31	7.62 0.11 -3.32	8.82 0.13 -3.55	9.13 0.16 -2.63	9.04 0.17 -1.83	8.48 0.16 -1.82	8.45 0.14 -1.76	8.67 0.16 -1.64	9.78 0.18 -1.52	9.41 0.18 -1.72	9.44 0.16 -2.14	11.90 0.19 -1.90	10.90 0.15 -3.31	12.04 0.21 -3.32	15.45 0.27 -2.96	12.12 0.20 -3.61	12.18 0.16 -2.94	13.75 0.18 -1.43	10.90 0.16 -1.57
NEG CENTRAL___INDECK 23768	8.07 0.34 -2.56	7.72 0.30 -2.32	7.16 0.25 -2.29	5.47 0.15 -2.56	5.84 0.17 -2.58	7.13 0.28 -2.76	8.45 0.29 -3.97	9.73 0.34 -4.25	9.91 0.42 -3.14	9.68 0.45 -2.18	9.07 0.39 -2.18	9.01 0.36 -2.10	9.20 0.36 -1.95	10.33 0.44 -1.81	9.97 0.40 -2.05	10.11 0.41 -2.55	12.52 0.28 -2.42	11.90 0.25 -4.21	13.04 0.32 -4.21	16.45 0.48 -3.76	13.22 0.32 -4.58	13.15 0.34 -3.73	14.31 0.35 -1.81	11.39 0.23 -1.99
NEG CENTRAL___SENECA 23627	7.67 0.16 -2.32	7.35 0.13 -2.11	6.81 0.11 -2.08	5.15 0.06 -2.33	5.51 0.07 -2.35	6.73 0.13 -2.51	7.95 0.16 -3.61	9.18 0.17 -3.86	9.41 0.21 -2.85	9.26 0.23 -1.98	8.69 0.21 -1.98	8.66 0.20 -1.91	8.86 0.21 -1.78	9.98 0.25 -1.65	9.62 0.24 -1.86	9.68 0.21 -2.32	12.12 0.24 -2.08	11.24 0.19 -3.61	12.41 0.28 -3.62	15.82 0.38 -3.23	12.52 0.27 -3.94	12.49 0.21 -3.21	13.94 0.24 -1.55	11.07 0.19 -1.71
NEG CENTRAL___STATE_STREET 24147	7.40 0.10 -2.11	7.10 0.08 -1.92	6.57 0.06 -1.89	4.91 0.04 -2.12	5.27 0.04 -2.13	6.45 0.08 -2.28	7.56 0.10 -3.28	8.77 0.12 -3.51	9.10 0.16 -2.59	9.02 0.17 -1.80	8.46 0.16 -1.80	8.45 0.16 -1.73	8.66 0.17 -1.62	9.78 0.19 -1.50	9.41 0.20 -1.69	9.49 0.24 -2.11	12.00 0.32 -1.87	10.93 0.24 -3.25	11.99 0.22 -3.26	15.40 0.28 -2.91	12.06 0.20 -3.54	12.22 0.26 -2.88	13.75 0.21 -1.40	10.89 0.18 -1.54
NEG MILLWOOD___DRP 24198	20.94 0.36 -15.40	19.45 0.35 -13.99	18.71 0.30 -13.80	18.38 0.18 -15.45	18.86 0.21 -15.56	20.99 0.25 -16.65	28.34 0.26 -23.89	31.06 0.34 -25.57	25.69 0.43 -18.91	20.68 0.49 -13.14	20.07 0.45 -13.12	19.69 0.48 -12.66	19.14 0.49 -11.78	19.58 0.57 -10.92	20.53 0.56 -12.45	23.51 0.54 -15.82	24.34 0.69 -13.84	32.55 0.53 -24.58	33.42 0.59 -24.33	34.63 0.88 -21.53	35.25 0.57 -26.36	31.12 0.64 -21.41	23.15 0.84 -10.17	20.94 0.59 -11.18
NEG NORTH_FLCN_SEA 23793	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.44	2.62 -0.13 0.00	2.44 -0.17 0.48	1.94 -0.23 1.92	1.92 -0.25 2.02	2.45 -0.26 2.43	2.48 -0.31 3.56	3.00 -0.32 3.72	4.92 -0.30 1.28	4.99 -0.28 1.27	3.40 -0.30 3.17	2.85 -0.40 4.83	4.88 -0.39 2.25	3.00 -0.36 3.80	2.99 -0.51 6.31	4.93 -0.35 2.16	5.00 -0.41 3.11	11.66 -0.55 0.00	7.94 -0.36 0.01	3.03 -0.42 5.63	2.40 -0.72 9.03	2.37 -0.58 6.22
NEG NORTH_KES_CHATEGAY 23792	5.05 -0.13 0.00	4.93 -0.17 0.00	2.98 -0.22 1.41	2.60 -0.15 0.00	2.43 -0.19 0.47	1.94 -0.26 1.88	1.93 -0.28 1.98	2.46 -0.29 2.39	2.49 -0.36 3.50	3.02 -0.37 3.65	4.90 -0.34 1.26	4.97 -0.33 1.25	3.40 -0.36 3.12	2.87 -0.46 4.75	4.87 -0.44 2.21	3.01 -0.41 3.74	3.04 -0.57 6.21	4.92 -0.39 2.13	5.01 -0.44 3.05	11.60 -0.61 0.00	7.90 -0.40 0.01	3.07 -0.47 5.54	2.49 -0.77 8.89	2.45 -0.61 6.12

NEG NORTH___ALICE_FALLS 23915	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.43	2.62 -0.13 0.00	2.45 -0.17 0.48	1.95 -0.23 1.91	1.94 -0.24 2.01	2.47 -0.25 2.43	2.50 -0.30 3.55	3.02 -0.32 3.71	4.93 -0.29 1.28	5.00 -0.28 1.27	3.41 -0.30 3.17	2.87 -0.40 4.82	4.89 -0.38 2.24	3.00 -0.36 3.79	3.02 -0.50 6.29	4.94 -0.34 2.15	5.02 -0.39 3.10	11.69 -0.53 0.00	7.97 -0.33 0.01	3.05 -0.41 5.61	2.44 -0.69 9.01	2.41 -0.56 6.21
NEG NORTH___LWR_SARANAC 23913	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.43	2.62 -0.13 0.00	2.45 -0.17 0.48	1.95 -0.23 1.91	1.94 -0.24 2.01	2.47 -0.25 2.43	2.50 -0.30 3.55	3.02 -0.32 3.71	4.93 -0.29 1.28	5.00 -0.28 1.27	3.41 -0.30 3.17	2.87 -0.40 4.82	4.89 -0.38 2.24	3.00 -0.36 3.79	3.02 -0.50 6.29	4.94 -0.34 2.15	5.02 -0.39 3.10	11.69 -0.53 0.00	7.97 -0.33 0.01	3.05 -0.41 5.61	2.44 -0.69 9.01	2.41 -0.56 6.21
NEG NORTH___PLATTSBURG 23628	5.09 -0.09 0.00	4.97 -0.13 0.00	2.99 -0.19 1.43	2.62 -0.13 0.00	2.45 -0.17 0.48	1.95 -0.23 1.91	1.94 -0.24 2.01	2.47 -0.25 2.43	2.50 -0.30 3.55	3.02 -0.32 3.71	4.93 -0.29 1.28	5.00 -0.27 1.27	3.41 -0.30 3.17	2.87 -0.40 4.82	4.89 -0.38 2.24	3.00 -0.36 3.79	3.01 -0.50 6.30	4.94 -0.34 2.16	5.06 -0.35 3.10	11.69 -0.52 0.00	8.00 -0.30 0.01	3.04 -0.41 5.62	2.43 -0.69 9.03	2.40 -0.56 6.22
NEG WEST_LEA_LOCKPORT 23791	7.56 -0.09 -2.47	7.21 -0.13 -2.24	6.70 -0.13 -2.21	5.17 -0.06 -2.48	5.52 -0.06 -2.49	6.66 -0.09 -2.67	7.92 -0.10 -3.83	9.04 -0.20 -4.10	9.16 -0.22 -3.03	8.88 -0.27 -2.11	8.35 -0.25 -2.10	8.31 -0.27 -2.03	8.48 -0.29 -1.89	9.59 -0.24 -1.75	9.20 -0.29 -1.98	9.38 -0.23 -2.46	11.65 -0.32 -2.16	10.98 -0.22 -3.76	12.10 -0.20 -3.79	15.17 -0.43 -3.39	12.20 -0.24 -4.13	12.12 -0.31 -3.36	13.36 -0.41 -1.63	10.58 -0.38 -1.79
NEG WEST___LANCASTR 23811	7.86 -0.16 -2.83	7.48 -0.19 -2.57	6.97 -0.18 -2.54	5.49 -0.10 -2.84	5.84 -0.11 -2.86	7.00 -0.15 -3.06	8.45 -0.14 -4.40	9.64 -0.21 -4.70	9.59 -0.24 -3.48	9.18 -0.28 -2.42	8.65 -0.26 -2.41	8.60 -0.28 -2.33	8.76 -0.28 -2.17	9.83 -0.27 -2.01	9.50 -0.29 -2.27	9.74 -0.24 -2.83	11.95 -0.34 -2.49	11.53 -0.22 -4.32	12.62 -0.24 -4.35	15.63 -0.46 -3.88	12.75 -0.28 -4.72	12.56 -0.35 -3.84	13.49 -0.52 -1.86	10.77 -0.45 -2.05
NEG_PENN_ALLEGHNY 23528	10.11 0.12 -4.81	9.57 0.11 -4.37	9.01 0.09 -4.30	7.63 0.06 -4.82	8.01 0.06 -4.85	9.37 0.09 -5.20	11.75 0.10 -7.45	13.24 0.11 -7.98	12.40 0.15 -5.90	11.32 0.17 -4.10	10.75 0.16 -4.09	10.64 0.14 -3.95	10.71 0.16 -3.67	11.68 0.19 -3.41	11.56 0.19 -3.85	12.13 0.18 -4.80	14.30 0.25 -4.23	15.00 0.20 -7.36	16.09 0.21 -7.37	19.11 0.32 -6.58	16.53 0.20 -8.02	15.82 0.22 -6.53	15.57 0.26 -3.17	12.86 0.20 -3.48
NEG___GEN_MONROE 24207	7.27 0.06 -2.03	6.97 0.03 -1.84	6.46 0.03 -1.82	4.80 0.02 -2.04	5.16 0.02 -2.05	6.33 0.05 -2.19	7.38 0.04 -3.15	8.55 0.04 -3.37	8.90 0.06 -2.49	8.83 0.06 -1.73	8.27 0.05 -1.73	8.24 0.02 -1.67	8.44 0.01 -1.55	9.56 0.04 -1.44	9.15 0.01 -1.63	9.19 0.01 -2.03	11.62 0.01 -1.80	10.58 0.01 -3.12	11.72 0.07 -3.14	15.04 0.02 -2.81	11.78 0.05 -3.42	11.89 0.04 -2.78	13.46 -0.04 -1.35	10.60 -0.06 -1.48
NEPA___ENERGY 23901	8.45 -0.04 -3.31	8.03 -0.07 -3.00	7.51 -0.07 -2.96	6.04 -0.03 -3.32	6.39 -0.04 -3.34	7.62 -0.04 -3.57	9.28 -0.04 -5.13	10.55 -0.09 -5.49	10.31 -0.10 -4.06	9.75 -0.12 -2.82	9.20 -0.11 -2.82	9.13 -0.13 -2.72	9.27 -0.14 -2.53	10.32 -0.11 -2.35	10.04 -0.13 -2.65	10.36 -0.09 -3.30	12.59 -0.13 -2.91	12.42 -0.07 -5.05	12.95 0.04 -4.40	16.08 -0.06 -3.93	13.08 -0.02 -4.78	12.92 -0.05 -3.89	13.89 -0.15 -1.89	11.09 -0.16 -2.08
NEVERSINK___HYD 23608	18.55 0.41 -12.95	17.28 0.41 -11.77	16.57 0.35 -11.60	15.95 0.21 -13.00	16.42 0.25 -13.09	18.39 0.30 -14.01	24.59 0.30 -20.10	27.03 0.38 -21.51	22.76 0.51 -15.90	18.66 0.56 -11.05	18.04 0.51 -11.03	17.74 0.54 -10.65	17.28 0.50 -9.90	17.83 0.57 -9.18	18.51 0.54 -10.45	20.83 0.47 -13.21	22.01 0.62 -11.58	28.37 0.47 -20.47	29.37 0.55 -20.31	31.12 0.88 -18.02	30.91 0.56 -22.04	27.54 0.56 -17.91	21.58 0.89 -8.55	19.21 0.64 -9.40
NEWKRMKL_115KV_TB1 55635	23.95 0.24 -18.53	22.17 0.23 -16.83	21.43 0.21 -16.60	21.47 0.13 -18.59	21.95 0.14 -18.72	24.31 0.19 -20.03	33.12 0.19 -28.74	36.32 0.23 -30.94	29.53 0.30 -22.88	23.28 0.33 -15.90	22.67 0.31 -15.87	22.14 0.30 -15.29	21.44 0.32 -14.25	21.68 0.38 -13.21	22.70 0.35 -14.84	25.70 0.33 -18.22	26.48 0.46 -16.21	35.53 0.35 -27.74	36.97 0.42 -28.04	38.03 0.60 -25.22	39.32 0.41 -30.60	34.45 0.43 -24.95	25.01 0.58 -12.28	23.10 0.42 -13.50
NEWTON___FALLS_HYD 23847	5.60 -0.07 -0.49	5.48 -0.07 -0.45	4.21 -0.08 0.32	3.20 -0.05 -0.49	3.28 -0.05 -0.24	3.53 -0.07 0.49	3.80 -0.08 0.31	4.57 -0.10 0.48	4.91 -0.15 1.29	5.30 -0.19 1.56	6.05 -0.19 0.26	6.10 -0.18 0.27	5.32 -0.25 1.31	5.52 -0.34 2.22	6.35 -0.35 0.82	5.25 -0.34 1.56	6.41 -0.44 2.96	6.69 -0.33 0.42	7.25 -0.34 0.92	12.44 -0.44 -0.67	8.84 -0.27 -0.80	6.41 -0.30 2.36	7.30 -0.32 4.53	5.98 -0.20 2.99
NGRID_A1_DSASP 323792	7.50 -0.18 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.15 -0.10 -2.50	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.15 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.31 -0.31 -2.12	8.23 -0.36 -2.04	8.40 -0.38 -1.91	9.49 -0.36 -1.77	9.12 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.89 -0.41 -3.79	15.00 -0.60 -3.39	12.01 -0.42 -4.12	11.98 -0.42 -3.33	13.17 -0.57 -1.60	10.44 -0.50 -1.76
NGRID_A2_DSASP 323793	7.50 -0.18 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.15 -0.10 -2.50	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.15 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.31 -0.31 -2.12	8.23 -0.36 -2.04	8.40 -0.38 -1.91	9.49 -0.36 -1.77	9.12 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.89 -0.41 -3.79	15.00 -0.60 -3.39	12.01 -0.42 -4.12	11.98 -0.42 -3.33	13.17 -0.57 -1.60	10.44 -0.50 -1.76
NGRID_A4_DSASP 323807	7.50 -0.18 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.15 -0.10 -2.50	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.15 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.31 -0.31 -2.12	8.23 -0.36 -2.04	8.40 -0.38 -1.91	9.49 -0.36 -1.77	9.12 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.89 -0.41 -3.79	15.00 -0.60 -3.39	12.01 -0.42 -4.12	11.98 -0.42 -3.33	13.17 -0.57 -1.60	10.44 -0.50 -1.76
NIAGARA_115E_LBMP 323715	7.52 -0.16 -2.49	7.17 -0.19 -2.26	6.67 -0.18 -2.23	5.16 -0.09 -2.50	5.52 -0.09 -2.51	6.64 -0.13 -2.69	7.90 -0.15 -3.86	9.00 -0.27 -4.13	9.09 -0.32 -3.06	8.78 -0.39 -2.12	8.29 -0.32 -2.12	8.22 -0.37 -2.04	8.38 -0.40 -1.90	9.49 -0.36 -1.77	9.11 -0.41 -2.00	9.29 -0.34 -2.48	11.51 -0.48 -2.18	10.89 -0.34 -3.79	11.89 -0.43 -3.80	14.97 -0.64 -3.40	12.00 -0.45 -4.14	12.00 -0.44 -3.37	13.19 -0.58 -1.63	10.46 -0.50 -1.79

NIAGARA_115W_LBMP 323714	7.48 -0.19 -2.49	7.14 -0.22 -2.27	6.64 -0.21 -2.23	5.14 -0.11 -2.50	5.49 -0.11 -2.51	6.62 -0.16 -2.69	7.89 -0.16 -3.86	8.98 -0.27 -4.11	9.08 -0.31 -3.04	8.78 -0.39 -2.12	8.30 -0.32 -2.12	8.22 -0.37 -2.04	8.38 -0.40 -1.90	9.46 -0.39 -1.77	9.11 -0.41 -1.99	9.29 -0.34 -2.48	11.52 -0.47 -2.18	10.87 -0.34 -3.78	11.86 -0.43 -3.78	14.96 -0.64 -3.38	11.98 -0.45 -4.11	11.94 -0.44 -3.31	13.15 -0.59 -1.60	10.42 -0.51 -1.76
NIAGARA_230_LBMP 323716	7.53 -0.11 -2.46	7.19 -0.15 -2.24	6.68 -0.14 -2.20	5.15 -0.07 -2.47	5.51 -0.07 -2.49	6.64 -0.10 -2.66	7.91 -0.10 -3.82	9.04 -0.19 -4.09	9.16 -0.22 -3.02	8.87 -0.27 -2.10	8.37 -0.22 -2.10	8.30 -0.27 -2.02	8.47 -0.29 -1.88	9.57 -0.26 -1.75	9.20 -0.29 -1.97	9.37 -0.24 -2.46	11.65 -0.32 -2.16	10.96 -0.23 -3.76	11.97 -0.30 -3.76	15.13 -0.44 -3.36	12.08 -0.32 -4.09	12.10 -0.31 -3.33	13.34 -0.43 -1.62	10.57 -0.38 -1.78
NIAGARA__115KV_198_GIBSON 55903	7.49 -0.18 -2.49	7.14 -0.22 -2.27	6.64 -0.21 -2.23	5.15 -0.11 -2.50	5.49 -0.11 -2.52	6.62 -0.16 -2.70	7.89 -0.16 -3.86	8.98 -0.27 -4.11	9.08 -0.31 -3.04	8.78 -0.39 -2.12	8.27 -0.34 -2.12	8.22 -0.37 -2.05	8.38 -0.40 -1.91	9.46 -0.39 -1.77	9.11 -0.41 -2.00	9.29 -0.34 -2.48	11.52 -0.47 -2.18	10.87 -0.34 -3.78	11.96 -0.36 -3.80	14.98 -0.64 -3.40	12.08 -0.37 -4.14	11.96 -0.44 -3.33	13.16 -0.60 -1.61	10.43 -0.51 -1.77
NIAGARA____ 23760	7.50 -0.18 -2.49	7.16 -0.21 -2.26	6.66 -0.19 -2.23	5.15 -0.10 -2.50	5.50 -0.11 -2.51	6.63 -0.15 -2.69	7.89 -0.16 -3.86	9.00 -0.26 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.31 -0.31 -2.12	8.23 -0.36 -2.04	8.40 -0.38 -1.90	9.50 -0.35 -1.76	9.12 -0.39 -1.99	9.30 -0.33 -2.48	11.55 -0.44 -2.18	10.90 -0.32 -3.78	11.90 -0.40 -3.79	15.02 -0.57 -3.38	12.02 -0.41 -4.12	12.01 -0.41 -3.34	13.20 -0.56 -1.62	10.44 -0.51 -1.78
NINE_MILE_1 23575	6.32 -0.12 -1.26	6.12 -0.13 -1.15	5.63 -0.12 -1.13	3.95 -0.07 -1.27	4.29 -0.08 -1.27	5.36 -0.09 -1.36	6.06 -0.09 -1.96	7.12 -0.12 -2.10	7.75 -0.15 -1.55	7.96 -0.16 -1.08	7.43 -0.14 -1.08	7.44 -0.15 -1.04	7.68 -0.16 -0.97	8.80 -0.18 -0.90	8.36 -0.17 -1.01	8.25 -0.16 -1.26	10.71 -0.22 -1.11	9.21 -0.16 -1.94	10.26 -0.19 -1.94	13.69 -0.26 -1.73	10.23 -0.19 -2.11	10.58 -0.21 -1.72	12.71 -0.27 -0.83	9.94 -0.15 -0.92
NINE_MILE_2 23744	6.32 -0.12 -1.26	6.12 -0.13 -1.15	5.63 -0.12 -1.13	3.95 -0.07 -1.27	4.29 -0.08 -1.27	5.35 -0.09 -1.36	6.06 -0.09 -1.96	7.12 -0.12 -2.09	7.75 -0.15 -1.55	7.96 -0.16 -1.08	7.43 -0.14 -1.07	7.44 -0.15 -1.04	7.68 -0.16 -0.96	8.80 -0.18 -0.89	8.36 -0.17 -1.01	8.25 -0.16 -1.26	10.71 -0.22 -1.11	9.21 -0.16 -1.94	10.26 -0.19 -1.94	13.69 -0.26 -1.73	10.23 -0.19 -2.11	10.58 -0.21 -1.72	12.71 -0.27 -0.83	9.94 -0.15 -0.92
NM_CAPITAL____DRP 24208	23.86 0.23 -18.46	22.09 0.22 -16.77	21.35 0.20 -16.53	21.39 0.12 -18.52	21.88 0.14 -18.65	24.22 0.18 -19.96	32.99 0.18 -28.62	35.93 0.21 -30.58	29.22 0.27 -22.61	23.06 0.30 -15.72	22.46 0.27 -15.68	21.92 0.26 -15.10	21.24 0.28 -14.08	21.48 0.34 -13.06	22.46 0.30 -14.64	25.36 0.29 -17.92	26.19 0.41 -15.97	34.97 0.31 -27.22	36.46 0.37 -27.59	37.59 0.53 -24.85	38.79 0.36 -30.12	34.03 0.38 -24.57	24.80 0.52 -12.13	22.89 0.38 -13.34
NM_CENTRAL____DRP 24181	6.75 0.01 -1.56	6.51 -0.01 -1.42	6.00 -0.01 -1.40	4.31 -0.01 -1.56	4.66 0.00 -1.57	5.78 0.01 -1.69	6.63 0.02 -2.42	7.75 0.02 -2.59	8.29 0.03 -1.91	8.41 0.04 -1.33	7.86 0.03 -1.33	7.86 0.03 -1.28	8.10 0.03 -1.19	9.22 0.03 -1.11	8.81 0.04 -1.25	8.73 0.03 -1.56	11.24 0.05 -1.38	9.87 0.04 -2.39	10.98 0.07 -2.40	14.43 0.07 -2.14	10.97 0.05 -2.61	11.23 0.03 -2.12	13.21 0.04 -1.03	10.37 0.06 -1.13
NM_FRONTIER____DRP 24179	7.49 -0.18 -2.49	7.14 -0.22 -2.27	6.64 -0.21 -2.23	5.15 -0.11 -2.50	5.49 -0.11 -2.52	6.62 -0.16 -2.70	7.89 -0.16 -3.86	8.98 -0.27 -4.11	9.08 -0.31 -3.04	8.78 -0.39 -2.12	8.27 -0.34 -2.12	8.22 -0.37 -2.05	8.38 -0.40 -1.91	9.46 -0.39 -1.77	9.11 -0.41 -2.00	9.29 -0.34 -2.48	11.52 -0.47 -2.18	10.87 -0.34 -3.78	11.96 -0.36 -3.80	14.98 -0.64 -3.40	12.08 -0.37 -4.14	11.96 -0.44 -3.33	13.16 -0.60 -1.61	10.43 -0.51 -1.77
NM_ST_REGIS____HYD 24053	5.02 -0.17 0.00	4.94 -0.16 0.00	3.26 -0.17 1.19	2.64 -0.11 0.00	2.57 -0.12 0.39	2.34 -0.16 1.58	2.35 -0.18 1.67	2.93 -0.20 2.01	3.14 -0.27 2.95	3.67 -0.30 3.07	5.15 -0.29 1.06	5.21 -0.29 1.05	3.87 -0.38 2.62	3.59 -0.49 4.00	5.14 -0.50 1.87	3.50 -0.49 3.17	3.89 -0.66 5.26	5.14 -0.50 1.80	5.37 -0.55 2.59	11.46 -0.76 0.00	7.83 -0.47 0.01	3.88 -0.50 4.70	4.01 -0.60 7.54	3.56 -0.42 5.19
NORTHPORT____1 23551	27.26 0.43 -21.65	21.60 0.42 -16.08	21.77 0.36 -16.79	20.08 0.22 -17.11	21.00 0.25 -17.65	26.51 0.31 -22.11	29.66 0.31 -25.15	30.89 0.35 -25.40	28.53 0.56 -21.63	27.95 0.63 -20.28	26.31 0.55 -19.27	26.31 0.55 -19.21	25.98 0.58 -18.52	26.31 0.69 -17.54	26.64 0.63 -18.49	26.67 0.59 -18.93	29.67 0.77 -19.10	34.14 0.62 -26.09	37.70 0.73 -28.46	40.97 0.95 -27.81	41.97 0.67 -32.99	34.21 0.73 -24.40	28.03 0.95 -14.94	25.96 0.72 -16.07
NORTHPORT____2 23552	27.26 0.43 -21.65	21.60 0.42 -16.08	21.77 0.36 -16.79	20.08 0.22 -17.11	21.00 0.25 -17.65	26.51 0.31 -22.11	29.66 0.31 -25.15	30.89 0.35 -25.40	28.53 0.56 -21.63	27.95 0.63 -20.28	26.31 0.55 -19.27	26.31 0.55 -19.21	25.98 0.58 -18.52	26.31 0.69 -17.54	26.64 0.63 -18.49	26.67 0.59 -18.93	29.67 0.77 -19.10	34.14 0.62 -26.09	37.70 0.73 -28.46	40.97 0.95 -27.81	41.97 0.67 -32.99	34.21 0.73 -24.40	28.03 0.95 -14.94	25.96 0.72 -16.07
NORTHPORT____3 23553	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.24 -17.11	21.03 0.28 -17.65	26.55 0.36 -22.11	29.73 0.38 -25.15	30.98 0.44 -25.40	28.61 0.63 -21.63	28.05 0.73 -20.28	26.42 0.66 -19.27	26.43 0.67 -19.21	26.11 0.71 -18.52	26.46 0.83 -17.54	26.79 0.78 -18.49	26.82 0.74 -18.93	29.88 0.97 -19.10	34.29 0.77 -26.09	37.86 0.89 -28.46	41.21 1.18 -27.81	42.14 0.84 -32.99	34.37 0.90 -24.40	28.26 1.18 -14.94	26.10 0.85 -16.07
NORTHPORT____4 23650	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.24 -17.11	21.03 0.28 -17.65	26.55 0.36 -22.11	29.73 0.38 -25.15	30.98 0.44 -25.40	28.61 0.63 -21.63	28.05 0.73 -20.28	26.42 0.66 -19.27	26.43 0.67 -19.21	26.11 0.71 -18.52	26.46 0.83 -17.54	26.79 0.78 -18.49	26.82 0.74 -18.93	29.88 0.97 -19.10	34.29 0.77 -26.09	37.86 0.89 -28.46	41.21 1.18 -27.81	42.14 0.84 -32.99	34.37 0.90 -24.40	28.26 1.18 -14.94	26.10 0.85 -16.07
NORTHPORT____IC 23718	27.26 0.43 -21.65	21.60 0.42 -16.08	21.77 0.36 -16.79	20.08 0.22 -17.11	21.00 0.25 -17.65	26.51 0.31 -22.11	29.66 0.31 -25.15	30.89 0.35 -25.40	28.53 0.56 -21.63	27.95 0.63 -20.28	26.31 0.55 -19.27	26.31 0.55 -19.21	25.98 0.58 -18.52	26.31 0.69 -17.54	26.64 0.63 -18.49	26.67 0.59 -18.93	29.67 0.77 -19.10	34.14 0.62 -26.09	37.70 0.73 -28.46	40.97 0.95 -27.81	41.97 0.67 -32.99	34.21 0.73 -24.40	28.03 0.95 -14.94	25.96 0.72 -16.07

NORTH__COUNTRY_ESR 323785	5.04 -0.15 0.00	4.91 -0.19 0.00	2.97 -0.24 1.41	2.59 -0.16 0.00	2.42 -0.20 0.47	1.93 -0.27 1.88	1.92 -0.29 1.98	2.44 -0.31 2.39	2.47 -0.37 3.50	3.00 -0.39 3.65	4.89 -0.35 1.26	4.96 -0.34 1.25	3.39 -0.37 3.12	2.86 -0.47 4.75	4.86 -0.45 2.21	2.99 -0.42 3.74	3.02 -0.59 6.21	4.90 -0.41 2.13	5.03 -0.43 3.06	11.56 -0.65 0.00	7.91 -0.39 0.01	3.03 -0.50 5.54	2.45 -0.80 8.89	2.42 -0.63 6.12
NPX_GEN_1385_PROXY 323591	27.21 0.37 -21.65	21.57 0.39 -16.08	21.74 0.34 -16.79	20.07 0.20 -17.11	20.98 0.23 -17.65	26.48 0.28 -22.11	29.63 0.29 -25.15	30.86 0.32 -25.40	28.50 0.52 -21.63	27.80 0.48 -20.28	26.21 0.44 -19.27	26.16 0.40 -19.21	25.81 0.41 -18.52	26.10 0.48 -17.54	25.60 0.41 -17.68	26.07 0.30 -18.62	29.38 0.46 -19.11	33.95 0.42 -26.09	37.50 0.54 -28.46	40.84 0.82 -27.81	41.75 0.45 -32.99	34.02 0.54 -24.40	27.94 0.86 -14.94	25.91 0.67 -16.07
NPX_GEN_CSC 323557	27.35 0.52 -21.65	21.69 0.51 -16.08	21.85 0.44 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.40 -25.15	31.01 0.47 -25.40	28.65 0.68 -21.63	28.09 0.77 -20.28	26.45 0.68 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.82 0.80 -18.49	26.87 0.80 -18.91	30.00 1.08 -19.11	34.38 0.86 -26.09	37.96 1.00 -28.46	41.28 1.26 -27.81	42.24 0.94 -32.99	34.50 1.03 -24.40	28.35 1.26 -14.94	26.14 0.90 -16.07
NSINS_S_GLNS_FALLS 23858	24.63 0.30 -19.15	22.78 0.28 -17.40	22.02 0.25 -17.15	22.11 0.15 -19.21	22.61 0.17 -19.35	25.03 0.25 -20.70	34.21 0.28 -29.74	37.32 0.32 -31.86	30.29 0.39 -23.55	23.81 0.39 -16.37	23.21 0.37 -16.34	22.63 0.35 -15.74	21.92 0.37 -14.67	22.12 0.43 -13.60	23.17 0.39 -15.26	26.25 0.39 -18.71	27.05 0.58 -16.66	36.36 0.47 -28.45	37.81 0.54 -28.76	38.90 0.81 -25.88	40.28 0.57 -31.39	35.27 0.60 -25.60	25.53 0.77 -12.62	23.57 0.52 -13.88
NUCOR_STEEL__DRP 24197	7.35 0.12 -2.04	7.05 0.10 -1.86	6.53 0.08 -1.83	4.85 0.05 -2.05	5.21 0.06 -2.06	6.38 0.09 -2.21	7.46 0.10 -3.17	8.66 0.12 -3.39	9.02 0.17 -2.51	8.96 0.17 -1.74	8.41 0.17 -1.74	8.39 0.16 -1.68	8.60 0.17 -1.56	9.73 0.19 -1.45	9.35 0.20 -1.64	9.36 0.17 -2.04	11.86 0.25 -1.81	10.76 0.18 -3.14	11.89 0.23 -3.15	15.33 0.31 -2.81	11.95 0.21 -3.42	12.06 0.20 -2.79	13.73 0.23 -1.35	10.88 0.22 -1.49
NUMBER_THREE_WT_PWR 323818	5.89 0.05 -0.66	5.74 0.04 -0.60	4.91 0.00 -0.29	3.42 0.01 -0.66	3.67 0.01 -0.57	4.41 0.01 -0.32	4.79 -0.01 -0.61	5.72 -0.01 -0.59	6.37 -0.04 -0.07	6.76 -0.07 0.21	6.70 -0.09 -0.30	6.77 -0.05 -0.28	6.64 -0.08 0.16	7.40 -0.15 0.54	7.43 -0.15 -0.06	6.86 -0.16 0.13	8.91 -0.17 0.73	7.88 -0.12 -0.56	8.76 -0.11 -0.36	13.06 -0.06 -0.90	9.35 -0.07 -1.10	8.72 -0.07 0.28	10.63 -0.06 1.45	8.33 -0.03 0.82
NYISO_LBMP_REFERENCE 24008	5.18 0.00 0.00	5.10 0.00 0.00	4.62 0.00 0.00	2.75 0.00 0.00	3.09 0.00 0.00	4.09 0.00 0.00	4.19 0.00 0.00	5.14 0.00 0.00	6.35 0.00 0.00	7.05 0.00 0.00	6.50 0.00 0.00	6.55 0.00 0.00	6.88 0.00 0.00	8.08 0.00 0.00	7.52 0.00 0.00	7.15 0.00 0.00	9.81 0.00 0.00	7.44 0.00 0.00	8.51 0.00 0.00	12.21 0.00 0.00	8.31 0.00 0.00	9.07 0.00 0.00	12.15 0.00 0.00	9.17 0.00 0.00
NYPA_BRENTWD__GT 24164	27.33 0.49 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.12 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.72 0.38 -25.15	30.97 0.43 -25.40	28.62 0.64 -21.63	28.05 0.73 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.76 0.75 -18.49	26.80 0.72 -18.93	29.86 0.95 -19.10	34.29 0.76 -26.09	37.86 0.89 -28.46	41.19 1.17 -27.81	42.14 0.84 -32.99	34.38 0.91 -24.40	28.24 1.15 -14.94	26.10 0.85 -16.07
NYPA_GOWANUS__GT5 24156	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NYPA_GOWANUS__GT6 24157	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10
NYPA_HARLEM_RVR_GT1 24160	20.89 0.41 -15.30	19.38 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.15 0.24 -23.72	30.85 0.32 -25.39	25.58 0.46 -18.77	20.64 0.56 -13.04	20.03 0.52 -13.02	19.66 0.54 -12.57	19.15 0.58 -11.69	19.59 0.67 -10.84	20.55 0.65 -12.37	23.49 0.58 -15.76	24.29 0.72 -13.76	32.52 0.56 -24.52	33.35 0.61 -24.23	34.47 0.83 -21.42	35.11 0.55 -26.25	31.02 0.63 -21.32	23.14 0.90 -10.10	21.01 0.73 -11.10
NYPA_HARLEM_RVR_GT2 24161	20.89 0.41 -15.30	19.38 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.15 0.24 -23.72	30.85 0.32 -25.39	25.58 0.46 -18.77	20.64 0.56 -13.04	20.03 0.52 -13.02	19.66 0.54 -12.57	19.15 0.58 -11.69	19.59 0.67 -10.84	20.55 0.65 -12.37	23.49 0.58 -15.76	24.29 0.72 -13.76	32.52 0.56 -24.52	33.35 0.61 -24.23	34.47 0.83 -21.42	35.11 0.55 -26.25	31.02 0.63 -21.32	23.14 0.90 -10.10	21.01 0.73 -11.10
NYPA_KENT__GT 24152	20.87 0.39 -15.29	19.37 0.37 -13.89	18.62 0.30 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.26 -23.72	30.90 0.36 -25.39	25.63 0.51 -18.78	20.69 0.60 -13.05	20.08 0.56 -13.03	19.71 0.58 -12.58	19.19 0.62 -11.69	19.66 0.73 -10.84	20.61 0.71 -12.38	23.54 0.63 -15.76	24.37 0.79 -13.77	32.58 0.61 -24.53	33.42 0.67 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.09 0.70 -21.32	23.19 0.95 -10.10	20.98 0.71 -11.10
NYPA_POUCH1__GT 24155	20.89 0.42 -15.29	19.39 0.39 -13.89	18.63 0.32 -13.70	18.28 0.19 -15.34	18.76 0.22 -15.45	20.89 0.27 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.61 0.49 -18.78	20.67 0.57 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.17 0.61 -11.69	19.65 0.72 -10.84	20.61 0.71 -12.38	23.57 0.65 -15.76	24.38 0.79 -13.77	32.55 0.58 -24.53	33.37 0.62 -24.24	34.46 0.82 -21.42	35.11 0.55 -26.25	31.13 0.73 -21.32	23.24 1.00 -10.10	21.03 0.75 -11.10
NYPA_VERNON__GT2 24162	20.86 0.38 -15.29	19.36 0.37 -13.89	18.62 0.30 -13.70	18.28 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.63 0.50 -18.78	20.69 0.60 -13.05	20.08 0.56 -13.03	19.70 0.58 -12.58	19.18 0.61 -11.69	19.65 0.72 -10.84	20.60 0.70 -12.38	23.54 0.62 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.41 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.06 0.67 -21.32	23.17 0.92 -10.10	20.96 0.69 -11.10

NYPA_VERNON____GT3 24163	20.86 0.38 -15.29	19.36 0.37 -13.89	18.62 0.30 -13.70	18.28 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.63 0.50 -18.78	20.69 0.60 -13.05	20.08 0.56 -13.03	19.70 0.58 -12.58	19.18 0.61 -11.69	19.65 0.72 -10.84	20.60 0.70 -12.38	23.54 0.62 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.41 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.06 0.67 -21.32	23.17 0.92 -10.10	20.96 0.69 -11.10
NYPA____ASTORIA_CC1 323568	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
NYPA____ASTORIA_CC2 323569	20.86 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.88 0.34 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.96 0.69 -11.10
NYPA____HOLTSVILL 23794	27.32 0.49 -21.65	21.66 0.47 -16.08	21.82 0.41 -16.79	20.11 0.25 -17.11	21.03 0.29 -17.65	26.55 0.36 -22.11	29.72 0.37 -25.15	30.97 0.43 -25.40	28.61 0.63 -21.63	28.04 0.72 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.08 0.68 -18.52	26.42 0.80 -17.54	26.76 0.75 -18.49	26.79 0.71 -18.93	29.85 0.94 -19.10	34.27 0.74 -26.09	37.85 0.88 -28.46	41.14 1.12 -27.81	42.12 0.82 -32.99	34.36 0.89 -24.40	28.21 1.13 -14.94	26.06 0.82 -16.07
NYPA____HELLGATE_GT1 24158	20.89 0.41 -15.30	19.38 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.15 0.24 -23.72	30.85 0.32 -25.39	25.58 0.46 -18.77	20.64 0.56 -13.04	20.03 0.52 -13.02	19.66 0.54 -12.57	19.15 0.58 -11.69	19.59 0.67 -10.84	20.55 0.65 -12.37	23.49 0.58 -15.76	24.29 0.72 -13.76	32.52 0.56 -24.52	33.35 0.61 -24.23	34.47 0.83 -21.42	35.11 0.55 -26.25	31.02 0.63 -21.32	23.14 0.90 -10.10	21.01 0.73 -11.10
NYPA____HELLGATE_GT2 24159	20.89 0.41 -15.30	19.38 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.15 0.24 -23.72	30.85 0.32 -25.39	25.58 0.46 -18.77	20.64 0.56 -13.04	20.03 0.52 -13.02	19.66 0.54 -12.57	19.15 0.58 -11.69	19.59 0.67 -10.84	20.55 0.65 -12.37	23.49 0.58 -15.76	24.29 0.72 -13.76	32.52 0.56 -24.52	33.35 0.61 -24.23	34.47 0.83 -21.42	35.11 0.55 -26.25	31.02 0.63 -21.32	23.14 0.90 -10.10	21.01 0.73 -11.10
NYS_BARGE____HYD 23848	7.53 -0.10 -2.45	7.19 -0.14 -2.23	6.68 -0.13 -2.20	5.15 -0.07 -2.46	5.50 -0.07 -2.48	6.64 -0.09 -2.65	7.89 -0.10 -3.80	9.01 -0.20 -4.07	9.13 -0.23 -3.01	8.85 -0.29 -2.09	8.36 -0.23 -2.09	8.28 -0.28 -2.01	8.46 -0.30 -1.88	9.57 -0.25 -1.74	9.18 -0.30 -1.97	9.35 -0.24 -2.45	11.63 -0.33 -2.15	10.95 -0.23 -3.74	11.96 -0.30 -3.75	15.11 -0.45 -3.35	12.06 -0.32 -4.08	12.07 -0.32 -3.31	13.31 -0.44 -1.61	10.54 -0.39 -1.77
OAK ORCHARD____HYD 24046	7.22 0.01 -2.03	6.92 -0.02 -1.84	6.41 -0.02 -1.82	4.78 -0.01 -2.04	5.13 -0.01 -2.05	6.29 0.01 -2.19	7.34 0.00 -3.15	8.50 -0.02 -3.37	8.83 -0.01 -2.49	8.76 -0.01 -1.73	8.23 0.01 -1.73	8.19 -0.03 -1.67	8.39 -0.04 -1.55	9.53 0.01 -1.44	9.12 -0.02 -1.63	9.18 0.01 -2.03	11.63 0.02 -1.80	10.59 0.02 -3.12	11.65 0.01 -3.13	15.02 0.01 -2.80	11.72 0.00 -3.41	11.86 0.01 -2.77	13.45 -0.04 -1.34	10.60 -0.05 -1.48
OAKDALE__35_KV_LOAD 356122	10.05 0.10 -4.77	9.52 0.08 -4.33	8.96 0.07 -4.27	7.58 0.04 -4.78	7.96 0.05 -4.82	9.31 0.07 -5.16	11.67 0.08 -7.40	13.14 0.08 -7.92	12.32 0.11 -5.86	11.24 0.13 -4.07	10.68 0.12 -4.06	10.58 0.11 -3.92	10.65 0.12 -3.65	11.62 0.15 -3.38	11.48 0.14 -3.82	12.05 0.14 -4.76	14.21 0.20 -4.20	14.89 0.16 -7.30	16.00 0.19 -7.30	18.98 0.24 -6.52	16.43 0.17 -7.95	15.71 0.16 -6.47	15.48 0.19 -3.14	12.78 0.16 -3.45
OCC_CHEM____DRP 24175	7.51 -0.17 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.16 -0.10 -2.51	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.16 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.29 -0.33 -2.12	8.24 -0.36 -2.05	8.41 -0.38 -1.91	9.49 -0.36 -1.77	9.13 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.99 -0.33 -3.81	15.02 -0.60 -3.41	12.11 -0.35 -4.15	12.00 -0.42 -3.35	13.18 -0.57 -1.61	10.45 -0.50 -1.77
OH_GEN_PROXY 24063	7.55 -0.10 -2.47	7.20 -0.14 -2.24	6.70 -0.13 -2.21	5.17 -0.06 -2.48	5.52 -0.07 -2.50	6.66 -0.09 -2.67	7.93 -0.09 -3.83	9.07 -0.17 -4.10	9.18 -0.20 -3.03	8.90 -0.25 -2.11	8.40 -0.20 -2.10	8.32 -0.26 -2.03	8.50 -0.27 -1.89	9.60 -0.23 -1.75	9.23 -0.27 -1.98	9.39 -0.21 -2.45	11.70 -0.29 -2.18	11.00 -0.21 -3.77	12.01 -0.28 -3.78	15.17 -0.42 -3.37	12.12 -0.30 -4.11	12.13 -0.29 -3.35	13.38 -0.39 -1.62	10.60 -0.36 -1.79
OLIN_CORP_DRP 24177	7.55 -0.13 -2.51	7.20 -0.18 -2.28	6.69 -0.17 -2.25	5.18 -0.09 -2.52	5.54 -0.09 -2.53	6.67 -0.13 -2.71	7.93 -0.15 -3.89	9.05 -0.26 -4.16	9.12 -0.30 -3.08	8.82 -0.37 -2.14	8.30 -0.33 -2.14	8.25 -0.36 -2.06	8.42 -0.38 -1.92	9.51 -0.35 -1.78	9.14 -0.39 -2.01	9.32 -0.33 -2.50	11.56 -0.45 -2.20	10.94 -0.32 -3.82	12.04 -0.32 -3.85	15.06 -0.60 -3.44	12.16 -0.35 -4.19	12.06 -0.43 -3.41	13.24 -0.56 -1.65	10.51 -0.49 -1.82
OLIN_CORP_DSASP 323712	7.50 -0.18 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.15 -0.10 -2.50	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.15 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.31 -0.31 -2.12	8.23 -0.36 -2.04	8.40 -0.38 -1.91	9.49 -0.36 -1.77	9.12 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.89 -0.41 -3.79	15.00 -0.60 -3.39	12.01 -0.42 -4.12	11.98 -0.42 -3.33	13.17 -0.57 -1.60	10.44 -0.50 -1.76
ONEIDA_HERK_LFGE 323681	5.85 0.08 -0.58	5.70 0.07 -0.53	5.11 0.06 -0.42	3.37 0.04 -0.58	3.69 0.04 -0.56	4.65 0.06 -0.50	5.01 0.05 -0.77	6.01 0.06 -0.80	6.88 0.06 -0.47	7.34 0.05 -0.25	6.94 0.03 -0.41	7.01 0.07 -0.39	7.16 0.05 -0.23	8.21 0.04 -0.09	7.86 0.02 -0.31	7.47 0.00 -0.32	9.93 0.03 -0.09	8.21 0.03 -0.74	9.24 0.04 -0.68	13.17 0.16 -0.80	9.35 0.07 -0.97	9.55 0.06 -0.41	12.04 0.12 0.22	9.28 0.10 0.00
ONEIDA____115KV_TB4 55905	6.34 0.13 -1.02	6.15 0.12 -0.93	5.66 0.12 -0.91	3.84 0.07 -1.02	4.20 0.08 -1.03	5.31 0.12 -1.10	5.89 0.11 -1.58	6.97 0.13 -1.69	7.75 0.15 -1.25	8.07 0.15 -0.87	7.52 0.15 -0.87	7.55 0.16 -0.84	7.83 0.17 -0.78	8.98 0.18 -0.72	8.49 0.16 -0.82	8.29 0.12 -1.02	10.91 0.20 -0.90	9.16 0.16 -1.56	10.32 0.25 -1.57	13.98 0.37 -1.40	10.26 0.24 -1.70	10.67 0.21 -1.39	13.12 0.30 -0.67	10.15 0.24 -0.74

ONONDAGA_REF_OCCRA 23987	7.07 0.03 -1.86	6.81 0.02 -1.69	6.29 0.01 -1.67	4.62 0.01 -1.87	4.98 0.01 -1.88	6.12 0.02 -2.01	7.11 0.03 -2.89	8.27 0.04 -3.09	8.68 0.04 -2.28	8.69 0.06 -1.59	8.14 0.06 -1.58	8.13 0.05 -1.53	8.36 0.06 -1.42	9.47 0.06 -1.32	9.08 0.07 -1.49	9.06 0.06 -1.86	11.54 0.09 -1.64	10.37 0.07 -2.85	11.47 0.10 -2.86	14.89 0.12 -2.56	11.52 0.09 -3.11	11.67 0.06 -2.53	13.45 0.07 -1.23	10.62 0.09 -1.35
ONONDAGA___COGEN 23986	6.99 0.05 -1.76	6.73 0.03 -1.60	6.21 0.02 -1.58	4.53 0.01 -1.77	4.89 0.02 -1.78	6.02 0.03 -1.91	6.97 0.04 -2.74	8.12 0.05 -2.93	8.58 0.06 -2.16	8.63 0.08 -1.50	8.07 0.07 -1.50	8.06 0.07 -1.45	8.30 0.08 -1.35	9.41 0.08 -1.25	9.01 0.08 -1.41	8.97 0.06 -1.76	11.48 0.11 -1.56	10.23 0.08 -2.71	11.34 0.12 -2.71	14.78 0.15 -2.43	11.37 0.10 -2.95	11.56 0.08 -2.40	13.41 0.10 -1.17	10.57 0.12 -1.28
ONTARIO___LFGE 23819	7.66 0.16 -2.32	7.35 0.13 -2.11	6.81 0.11 -2.08	5.15 0.06 -2.33	5.51 0.07 -2.35	6.73 0.13 -2.51	7.95 0.16 -3.61	9.18 0.17 -3.86	9.41 0.21 -2.85	9.26 0.23 -1.98	8.70 0.22 -1.98	8.66 0.20 -1.91	8.86 0.21 -1.78	9.98 0.25 -1.65	9.62 0.24 -1.86	9.68 0.21 -2.32	12.12 0.24 -2.08	11.24 0.19 -3.61	12.34 0.21 -3.61	15.82 0.38 -3.23	12.45 0.20 -3.93	12.48 0.21 -3.20	13.94 0.24 -1.55	11.07 0.19 -1.71
ORANGEVILLE_WT_PWR 323706	8.06 -0.11 -2.99	7.67 -0.15 -2.72	7.15 -0.15 -2.68	5.67 -0.08 -3.00	6.03 -0.09 -3.02	7.20 -0.11 -3.23	8.72 -0.11 -4.64	9.93 -0.17 -4.97	9.82 -0.20 -3.67	9.37 -0.23 -2.55	8.86 -0.19 -2.55	8.78 -0.23 -2.46	8.94 -0.23 -2.29	10.01 -0.19 -2.12	9.71 -0.21 -2.40	9.98 -0.16 -2.99	12.22 -0.16 -2.57	11.82 -0.08 -4.47	12.87 -0.11 -4.47	16.03 -0.18 -4.00	13.03 -0.15 -4.87	12.88 -0.15 -3.96	13.80 -0.27 -1.92	11.02 -0.27 -2.11
ORANGEVILLE___ESR 323794	8.06 -0.11 -2.99	7.67 -0.15 -2.72	7.15 -0.15 -2.68	5.67 -0.08 -3.00	6.03 -0.09 -3.02	7.20 -0.11 -3.23	8.72 -0.11 -4.64	9.93 -0.17 -4.97	9.82 -0.20 -3.67	9.37 -0.23 -2.55	8.86 -0.19 -2.55	8.78 -0.23 -2.46	8.94 -0.23 -2.29	10.01 -0.19 -2.12	9.71 -0.21 -2.40	9.98 -0.16 -2.99	12.22 -0.16 -2.57	11.82 -0.08 -4.47	12.87 -0.11 -4.47	16.03 -0.18 -4.00	13.03 -0.15 -4.87	12.88 -0.15 -3.96	13.80 -0.27 -1.92	11.02 -0.27 -2.11
OSWEGATCHIE___HYD 24044	5.60 -0.07 -0.49	5.48 -0.07 -0.45	4.21 -0.08 0.32	3.20 -0.05 -0.49	3.28 -0.05 -0.24	3.53 -0.07 0.49	3.80 -0.08 0.31	4.57 -0.10 0.48	4.91 -0.15 1.29	5.30 -0.19 1.56	6.03 -0.20 0.26	6.10 -0.18 0.27	5.32 -0.25 1.31	5.52 -0.34 2.22	6.37 -0.35 0.80	5.27 -0.34 1.54	6.44 -0.44 2.93	6.70 -0.33 0.41	7.24 -0.37 0.91	12.44 -0.44 -0.67	8.82 -0.30 -0.80	6.44 -0.30 2.33	7.34 -0.32 4.49	6.01 -0.20 2.96
OSWEGO___5 23606	6.52 -0.08 -1.42	6.30 -0.09 -1.29	5.80 -0.09 -1.28	4.13 -0.05 -1.43	4.47 -0.06 -1.44	5.56 -0.07 -1.54	6.34 -0.06 -2.21	7.42 -0.08 -2.36	7.99 -0.10 -1.75	8.16 -0.11 -1.22	7.61 -0.10 -1.21	7.61 -0.11 -1.17	7.86 -0.11 -1.09	8.97 -0.12 -1.01	8.55 -0.11 -1.14	8.46 -0.11 -1.42	10.92 -0.15 -1.26	9.52 -0.10 -2.18	10.57 -0.13 -2.19	14.00 -0.17 -1.96	10.56 -0.13 -2.38	10.87 -0.15 -1.94	12.90 -0.18 -0.94	10.11 -0.09 -1.03
OSWEGO___6 23613	6.52 -0.08 -1.42	6.30 -0.09 -1.29	5.80 -0.09 -1.28	4.13 -0.05 -1.43	4.47 -0.06 -1.44	5.56 -0.07 -1.54	6.34 -0.06 -2.21	7.42 -0.08 -2.36	7.99 -0.10 -1.75	8.16 -0.11 -1.22	7.61 -0.10 -1.21	7.61 -0.11 -1.17	7.86 -0.11 -1.09	8.97 -0.12 -1.01	8.55 -0.11 -1.14	8.46 -0.11 -1.42	10.92 -0.15 -1.26	9.52 -0.10 -2.18	10.57 -0.13 -2.19	14.00 -0.17 -1.96	10.56 -0.13 -2.38	10.87 -0.15 -1.94	12.90 -0.18 -0.94	10.11 -0.09 -1.03
OUTOKUMPU-AB___DRP 24206	7.66 -0.07 -2.54	7.30 -0.11 -2.31	6.78 -0.11 -2.28	5.25 -0.06 -2.55	5.60 -0.06 -2.57	6.76 -0.08 -2.75	8.05 -0.08 -3.94	9.20 -0.15 -4.21	9.29 -0.17 -3.11	8.99 -0.22 -2.17	8.47 -0.19 -2.16	8.42 -0.22 -2.09	8.59 -0.23 -1.94	9.70 -0.19 -1.80	9.33 -0.23 -2.04	9.51 -0.18 -2.53	11.78 -0.26 -2.23	11.14 -0.16 -3.86	12.27 -0.14 -3.90	15.34 -0.35 -3.48	12.37 -0.18 -4.24	12.27 -0.25 -3.44	13.44 -0.36 -1.66	10.67 -0.33 -1.83
OXBOW___ 24026	7.58 -0.12 -2.52	7.24 -0.15 -2.29	6.73 -0.14 -2.26	5.21 -0.07 -2.53	5.56 -0.08 -2.54	6.70 -0.11 -2.72	7.99 -0.11 -3.91	9.11 -0.20 -4.16	9.21 -0.22 -3.08	8.91 -0.28 -2.15	8.42 -0.22 -2.14	8.34 -0.27 -2.07	8.51 -0.29 -1.92	9.62 -0.25 -1.79	9.24 -0.29 -2.02	9.42 -0.24 -2.51	11.68 -0.33 -2.21	11.03 -0.23 -3.82	12.04 -0.30 -3.83	15.18 -0.45 -3.42	12.15 -0.33 -4.17	12.13 -0.32 -3.37	13.32 -0.45 -1.63	10.56 -0.40 -1.79
OXY_CHEM_DSASP 323612	7.50 -0.18 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.15 -0.10 -2.50	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.15 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.31 -0.31 -2.12	8.23 -0.36 -2.04	8.40 -0.38 -1.91	9.49 -0.36 -1.77	9.12 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.89 -0.41 -3.79	15.00 -0.60 -3.39	12.01 -0.42 -4.12	11.98 -0.42 -3.33	13.17 -0.57 -1.60	10.44 -0.50 -1.76
OZONE_PARK_ESR 323760	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.32 -13.70	18.29 0.19 -15.34	18.76 0.22 -15.45	20.90 0.28 -16.54	28.21 0.29 -23.72	30.93 0.39 -25.39	25.67 0.55 -18.78	20.74 0.64 -13.05	20.11 0.59 -13.03	19.73 0.61 -12.58	19.21 0.64 -11.69	19.68 0.75 -10.84	20.63 0.73 -12.38	23.57 0.66 -15.76	24.41 0.82 -13.77	32.62 0.65 -24.53	33.46 0.71 -24.24	34.65 1.00 -21.43	35.23 0.66 -26.26	31.13 0.74 -21.32	23.23 0.98 -10.10	20.99 0.72 -11.10
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	7.51 -0.17 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.16 -0.10 -2.51	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.16 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.29 -0.33 -2.12	8.24 -0.36 -2.05	8.41 -0.38 -1.91	9.49 -0.36 -1.77	9.13 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.99 -0.33 -3.81	15.02 -0.60 -3.41	12.11 -0.35 -4.15	12.00 -0.42 -3.35	13.18 -0.57 -1.61	10.45 -0.50 -1.77
PACKARD__115KV_DUPONT_184 80571	7.51 -0.17 -2.50	7.16 -0.21 -2.27	6.66 -0.20 -2.24	5.16 -0.10 -2.51	5.50 -0.11 -2.52	6.63 -0.15 -2.70	7.90 -0.16 -3.87	9.01 -0.25 -4.12	9.10 -0.30 -3.05	8.80 -0.37 -2.12	8.29 -0.33 -2.12	8.24 -0.36 -2.05	8.41 -0.38 -1.91	9.49 -0.36 -1.77	9.13 -0.39 -2.00	9.31 -0.32 -2.48	11.54 -0.45 -2.18	10.90 -0.33 -3.78	11.99 -0.33 -3.81	15.02 -0.60 -3.41	12.11 -0.35 -4.15	12.00 -0.42 -3.35	13.18 -0.57 -1.61	10.45 -0.50 -1.77
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	20.88 0.40 -15.29	19.38 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.16 0.24 -23.72	30.86 0.32 -25.39	25.59 0.47 -18.78	20.65 0.56 -13.05	20.04 0.52 -13.03	19.67 0.54 -12.58	19.15 0.58 -11.69	19.60 0.67 -10.84	20.55 0.65 -12.38	23.49 0.58 -15.76	24.29 0.71 -13.77	32.53 0.56 -24.53	33.35 0.60 -24.24	34.49 0.84 -21.43	35.10 0.53 -26.26	31.02 0.63 -21.32	23.14 0.90 -10.10	20.99 0.72 -11.10

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	20.91 0.44 -15.29	19.41 0.41 -13.89	18.65 0.34 -13.70	18.30 0.20 -15.34	18.78 0.24 -15.45	20.90 0.28 -16.54	28.18 0.27 -23.72	30.89 0.35 -25.39	25.63 0.51 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.73 0.60 -12.58	19.17 0.60 -11.69	19.62 0.70 -10.84	20.58 0.68 -12.38	23.49 0.57 -15.76	24.29 0.71 -13.77	32.52 0.55 -24.53	33.37 0.62 -24.24	34.53 0.88 -21.43	35.14 0.57 -26.26	31.03 0.64 -21.32	23.19 0.95 -10.10	21.04 0.76 -11.10
PATROON__115KV_TB1 80586	24.01 0.24 -18.58	22.22 0.24 -16.88	21.48 0.22 -16.65	21.53 0.13 -18.65	22.01 0.15 -18.78	24.37 0.19 -20.09	33.21 0.19 -28.83	36.52 0.25 -31.13	29.68 0.32 -23.02	23.39 0.35 -16.00	22.78 0.32 -15.97	22.25 0.31 -15.38	21.54 0.33 -14.33	21.77 0.40 -13.30	22.81 0.36 -14.93	25.83 0.34 -18.34	26.61 0.48 -16.31	35.74 0.37 -27.93	37.16 0.43 -28.22	38.21 0.62 -25.38	39.53 0.42 -30.79	34.62 0.44 -25.11	25.10 0.61 -12.35	23.19 0.44 -13.58
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	7.82 -0.11 -2.75	7.45 -0.15 -2.50	6.93 -0.15 -2.46	5.43 -0.08 -2.76	5.78 -0.09 -2.78	6.95 -0.11 -2.97	8.35 -0.10 -4.26	9.53 -0.17 -4.56	9.52 -0.20 -3.37	9.16 -0.23 -2.34	8.63 -0.21 -2.34	8.58 -0.22 -2.26	8.75 -0.23 -2.10	9.83 -0.20 -1.95	9.49 -0.23 -2.20	9.71 -0.19 -2.74	11.95 -0.26 -2.41	11.46 -0.16 -4.18	12.58 -0.15 -4.22	15.62 -0.37 -3.77	12.69 -0.21 -4.59	12.53 -0.27 -3.73	13.53 -0.43 -1.81	10.79 -0.38 -1.99
PAWLING_115_KV_BK3_REV_LBMP_H 345028	20.94 0.36 -15.40	19.45 0.35 -13.99	18.71 0.30 -13.80	18.38 0.18 -15.45	18.86 0.21 -15.56	20.99 0.25 -16.65	28.34 0.26 -23.89	31.06 0.34 -25.57	25.69 0.43 -18.91	20.68 0.49 -13.14	20.07 0.45 -13.12	19.69 0.48 -12.66	19.14 0.49 -11.78	19.58 0.57 -10.92	20.53 0.56 -12.45	23.51 0.54 -15.82	24.34 0.69 -13.84	32.55 0.53 -24.58	33.42 0.59 -24.33	34.63 0.88 -21.53	35.25 0.57 -26.36	31.12 0.64 -21.41	23.15 0.84 -10.17	20.94 0.59 -11.18
PEEKSKILL____ 23653	20.67 0.33 -15.16	19.19 0.32 -13.78	18.47 0.27 -13.58	18.13 0.16 -15.21	18.60 0.19 -15.32	20.71 0.23 -16.40	27.96 0.24 -23.52	30.64 0.31 -25.18	25.40 0.43 -18.62	20.49 0.50 -12.94	19.87 0.46 -12.92	19.50 0.48 -12.47	18.97 0.50 -11.59	19.43 0.59 -10.75	20.37 0.57 -12.28	23.31 0.53 -15.63	24.13 0.67 -13.65	32.27 0.52 -24.32	33.13 0.59 -24.03	34.29 0.83 -21.25	34.89 0.55 -26.03	30.80 0.59 -21.13	22.95 0.79 -10.01	20.75 0.57 -11.01
PGE MADISON__WINDPWR 24146	10.05 0.33 -4.54	9.52 0.30 -4.12	9.00 0.31 -4.07	7.47 0.17 -4.56	7.87 0.19 -4.59	9.27 0.28 -4.91	11.49 0.26 -7.04	13.00 0.32 -7.54	12.27 0.34 -5.58	11.29 0.37 -3.88	10.68 0.31 -3.87	10.67 0.39 -3.73	10.76 0.41 -3.47	11.72 0.41 -3.22	11.56 0.40 -3.64	12.06 0.38 -4.53	14.41 0.59 -4.01	14.86 0.46 -6.96	16.07 0.58 -6.98	19.40 0.95 -6.23	16.49 0.59 -7.59	15.88 0.63 -6.18	15.90 0.75 -3.00	13.04 0.57 -3.29
PIERCEFIELD__HYD 23852	5.01 -0.17 0.00	4.94 -0.16 0.00	3.31 -0.16 1.15	2.66 -0.09 0.00	2.60 -0.11 0.38	2.42 -0.14 1.53	2.43 -0.15 1.61	3.02 -0.17 1.94	3.26 -0.25 2.84	3.79 -0.29 2.97	5.19 -0.29 1.02	5.26 -0.28 1.02	3.96 -0.39 2.53	3.72 -0.50 3.86	5.19 -0.52 1.81	3.58 -0.51 3.07	4.03 -0.69 5.09	5.17 -0.53 1.74	5.43 -0.58 2.51	11.42 -0.79 0.00	7.80 -0.50 0.01	4.02 -0.51 4.54	4.31 -0.55 7.29	3.77 -0.38 5.02
PINELAWN_CC_1 323563	27.31 0.48 -21.65	21.64 0.46 -16.08	21.81 0.40 -16.79	20.10 0.24 -17.11	21.02 0.28 -17.65	26.55 0.35 -22.11	29.71 0.37 -25.15	30.96 0.42 -25.40	28.59 0.62 -21.63	28.03 0.70 -20.28	26.40 0.63 -19.27	26.40 0.64 -19.21	26.08 0.68 -18.52	26.42 0.79 -17.54	26.76 0.74 -18.49	26.80 0.72 -18.93	29.85 0.94 -19.10	34.28 0.75 -26.09	37.85 0.89 -28.46	41.17 1.15 -27.81	42.13 0.83 -32.99	34.36 0.89 -24.40	28.22 1.14 -14.94	26.07 0.83 -16.07
PJM_GEN_HTP_PROXY 323702	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.77	20.67 0.58 -13.05	20.06 0.53 -13.02	19.68 0.56 -12.57	19.15 0.58 -11.69	19.61 0.69 -10.84	20.56 0.66 -12.38	23.49 0.59 -15.75	24.34 0.75 -13.79	32.55 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.61 -26.25	31.04 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
PJM_GEN_KEystone 24065	14.84 0.14 -9.51	13.87 0.13 -8.64	13.24 0.10 -8.52	12.36 0.07 -9.55	12.78 0.08 -9.61	14.47 0.10 -10.29	19.06 0.10 -14.76	21.06 0.12 -15.80	18.21 0.18 -11.68	15.37 0.20 -8.12	14.80 0.19 -8.10	14.56 0.19 -7.82	14.35 0.20 -7.27	15.09 0.26 -6.75	15.45 0.24 -7.69	17.13 0.23 -9.75	18.65 0.28 -8.55	22.83 0.23 -15.16	23.76 0.25 -15.01	25.83 0.33 -13.29	24.79 0.22 -16.26	22.52 0.34 -13.21	18.73 0.30 -6.28	16.27 0.19 -6.90
PJM_GEN_NEPTUNE_PROXY 323594	24.36 0.42 -18.75	20.59 0.41 -15.08	20.35 0.35 -15.38	19.27 0.21 -16.31	19.98 0.24 -16.65	23.96 0.31 -19.57	29.68 0.33 -25.15	30.92 0.38 -25.40	27.23 0.55 -20.33	24.66 0.63 -16.98	23.49 0.57 -16.42	23.32 0.59 -16.18	22.90 0.62 -15.40	23.30 0.73 -14.48	23.91 0.69 -15.70	25.30 0.65 -17.50	27.37 0.83 -16.72	33.49 0.66 -25.39	35.85 0.77 -26.57	38.18 1.01 -24.95	39.00 0.72 -29.97	32.86 0.77 -23.02	25.92 1.01 -12.77	23.75 0.73 -13.85
PJM_GEN_VFT_PROXY 323633	20.83 0.35 -15.29	19.33 0.34 -13.89	18.60 0.29 -13.70	18.27 0.17 -15.34	18.74 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.48 0.58 -15.75	24.31 0.72 -13.79	32.53 0.57 -24.53	33.40 0.65 -24.24	34.54 0.89 -21.43	35.15 0.58 -26.25	31.02 0.63 -21.32	23.13 0.89 -10.10	20.91 0.63 -11.10
PLATSBRG_115KV_PMLD1 355749	5.08 -0.10 0.00	4.96 -0.14 0.00	2.99 -0.19 1.44	2.61 -0.14 0.00	2.44 -0.18 0.48	1.93 -0.24 1.92	1.92 -0.26 2.02	2.44 -0.27 2.43	2.46 -0.32 3.56	2.99 -0.34 3.72	4.91 -0.31 1.28	4.99 -0.29 1.27	3.39 -0.32 3.17	2.84 -0.41 4.84	4.87 -0.40 2.25	2.99 -0.36 3.80	2.99 -0.51 6.31	4.93 -0.35 2.16	5.00 -0.41 3.11	11.65 -0.56 0.00	7.94 -0.36 0.01	3.03 -0.42 5.63	2.38 -0.73 9.03	2.37 -0.58 6.22
PLEASANTVLY__LBMP 24000	21.35 0.29 -15.88	19.81 0.28 -14.43	19.09 0.24 -14.23	18.83 0.15 -15.93	19.31 0.17 -16.05	21.46 0.20 -17.17	29.04 0.21 -24.63	31.79 0.27 -26.37	26.22 0.37 -19.50	21.03 0.44 -13.55	20.43 0.40 -13.53	20.03 0.42 -13.06	19.45 0.43 -12.14	19.86 0.52 -11.26	20.88 0.50 -12.86	23.99 0.45 -16.39	24.70 0.58 -14.31	33.41 0.45 -25.51	34.21 0.49 -25.20	35.20 0.71 -22.28	36.07 0.47 -27.29	31.74 0.51 -22.16	23.32 0.69 -10.49	21.20 0.50 -11.53
PLSNTVLE_13_KV_13.8KVDIST 80602	20.90 0.34 -15.38	19.40 0.33 -13.97	18.67 0.28 -13.78	18.35 0.17 -15.43	18.82 0.19 -15.54	20.95 0.24 -16.63	28.30 0.25 -23.86	31.01 0.33 -25.54	25.67 0.44 -18.88	20.69 0.52 -13.12	20.08 0.48 -13.10	19.69 0.50 -12.65	19.17 0.53 -11.76	19.61 0.62 -10.91	20.57 0.60 -12.45	23.56 0.55 -15.86	24.36 0.70 -13.85	32.66 0.55 -24.67	33.49 0.60 -24.38	34.62 0.85 -21.56	35.29 0.57 -26.41	31.13 0.62 -21.44	23.13 0.83 -10.16	20.93 0.59 -11.17

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	20.90 0.34 -15.38	19.40 0.33 -13.97	18.67 0.28 -13.78	18.35 0.17 -15.43	18.82 0.19 -15.54	20.95 0.24 -16.63	28.30 0.25 -23.86	31.01 0.33 -25.54	25.67 0.44 -18.88	20.69 0.52 -13.12	20.08 0.48 -13.10	19.69 0.50 -12.65	19.17 0.53 -11.76	19.61 0.62 -10.91	20.57 0.60 -12.45	23.56 0.55 -15.86	24.36 0.70 -13.85	32.66 0.55 -24.67	33.49 0.60 -24.38	34.62 0.85 -21.56	35.29 0.57 -26.41	31.13 0.62 -21.44	23.13 0.83 -10.16	20.93 0.59 -11.17
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	21.05 0.32 -15.55	19.54 0.31 -14.13	18.82 0.27 -13.93	18.52 0.16 -15.60	18.99 0.19 -15.71	21.13 0.22 -16.82	28.55 0.23 -24.12	31.26 0.30 -25.82	25.85 0.41 -19.09	20.78 0.46 -13.27	20.17 0.42 -13.25	19.76 0.44 -12.77	19.22 0.45 -11.89	19.65 0.54 -11.03	20.50 0.52 -12.46	23.15 0.48 -15.52	24.14 0.62 -13.71	31.74 0.47 -23.83	32.91 0.53 -23.88	34.33 0.78 -21.33	34.82 0.52 -25.98	30.78 0.56 -21.15	23.18 0.78 -10.26	21.01 0.56 -11.28
POLETTI____ 23519	20.83 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.89 0.35 -25.39	25.61 0.49 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.32 0.74 -13.77	32.55 0.58 -24.53	33.37 0.62 -24.24	34.54 0.89 -21.43	35.14 0.57 -26.26	31.04 0.64 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
PORT_JEFF_3 23555	27.33 0.50 -21.65	21.67 0.49 -16.08	21.83 0.42 -16.79	20.12 0.26 -17.11	21.04 0.29 -17.65	26.57 0.37 -22.11	29.73 0.38 -25.15	30.98 0.44 -25.40	28.62 0.65 -21.63	28.06 0.73 -20.28	26.42 0.65 -19.27	26.42 0.66 -19.21	26.10 0.70 -18.52	26.45 0.82 -17.54	26.78 0.77 -18.49	26.82 0.74 -18.93	29.89 0.98 -19.10	34.31 0.78 -26.09	37.88 0.91 -28.46	41.19 1.17 -27.81	42.17 0.86 -32.99	34.40 0.93 -24.40	28.26 1.18 -14.94	26.09 0.84 -16.07
PORT_JEFF_4 23616	27.33 0.50 -21.65	21.67 0.49 -16.08	21.83 0.42 -16.79	20.12 0.26 -17.11	21.04 0.29 -17.65	26.57 0.37 -22.11	29.73 0.38 -25.15	30.98 0.44 -25.40	28.62 0.65 -21.63	28.06 0.73 -20.28	26.42 0.65 -19.27	26.42 0.66 -19.21	26.10 0.70 -18.52	26.45 0.82 -17.54	26.78 0.77 -18.49	26.82 0.74 -18.93	29.89 0.98 -19.10	34.31 0.78 -26.09	37.88 0.91 -28.46	41.19 1.17 -27.81	42.17 0.86 -32.99	34.40 0.93 -24.40	28.26 1.18 -14.94	26.09 0.84 -16.07
PORT_JEFF_IC 23713	27.34 0.50 -21.65	21.68 0.49 -16.08	21.83 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.57 0.37 -22.11	29.74 0.39 -25.15	30.99 0.45 -25.40	28.63 0.66 -21.63	28.07 0.75 -20.28	26.43 0.66 -19.27	26.43 0.67 -19.21	26.11 0.72 -18.52	26.46 0.84 -17.54	26.79 0.78 -18.49	26.84 0.76 -18.93	29.92 1.01 -19.10	34.32 0.80 -26.09	37.91 0.94 -28.46	41.23 1.21 -27.81	42.19 0.89 -32.99	34.43 0.95 -24.40	28.28 1.20 -14.94	26.11 0.86 -16.07
PPL PILGRIM_ST_GT1 24216	27.33 0.49 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.12 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.72 0.38 -25.15	30.97 0.43 -25.40	28.62 0.64 -21.63	28.05 0.73 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.76 0.75 -18.49	26.80 0.72 -18.93	29.86 0.95 -19.10	34.29 0.76 -26.09	37.86 0.89 -28.46	41.19 1.17 -27.81	42.14 0.84 -32.99	34.38 0.91 -24.40	28.24 1.15 -14.94	26.10 0.85 -16.07
PPL PILGRIM_ST_GT2 24217	27.33 0.49 -21.65	21.67 0.48 -16.08	21.82 0.42 -16.79	20.12 0.25 -17.11	21.03 0.29 -17.65	26.56 0.36 -22.11	29.72 0.38 -25.15	30.97 0.43 -25.40	28.62 0.64 -21.63	28.05 0.73 -20.28	26.41 0.64 -19.27	26.41 0.65 -19.21	26.09 0.69 -18.52	26.43 0.81 -17.54	26.76 0.75 -18.49	26.80 0.72 -18.93	29.86 0.95 -19.10	34.29 0.76 -26.09	37.86 0.89 -28.46	41.19 1.17 -27.81	42.14 0.84 -32.99	34.38 0.91 -24.40	28.24 1.15 -14.94	26.10 0.85 -16.07
PPL_SHRM_GT3 24213	27.36 0.52 -21.65	21.70 0.52 -16.08	21.85 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.41 -25.15	31.01 0.47 -25.40	28.65 0.68 -21.63	28.09 0.77 -20.28	26.45 0.68 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.82 0.80 -18.49	26.88 0.80 -18.93	29.98 1.07 -19.10	34.37 0.85 -26.09	37.96 0.99 -28.46	41.28 1.26 -27.81	42.23 0.93 -32.99	34.50 1.03 -24.40	28.35 1.26 -14.94	26.14 0.90 -16.07
PPL_SHRM_GT4 24214	27.36 0.52 -21.65	21.70 0.52 -16.08	21.85 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.41 -25.15	31.01 0.47 -25.40	28.65 0.68 -21.63	28.09 0.77 -20.28	26.45 0.68 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.82 0.80 -18.49	26.88 0.80 -18.93	29.98 1.07 -19.10	34.37 0.85 -26.09	37.96 0.99 -28.46	41.28 1.26 -27.81	42.23 0.93 -32.99	34.50 1.03 -24.40	28.35 1.26 -14.94	26.14 0.90 -16.07
PROJECT____ORANGE 1 24174	6.77 0.02 -1.58	6.54 0.00 -1.43	6.03 0.00 -1.41	4.33 0.00 -1.58	4.68 0.00 -1.59	5.80 0.01 -1.71	6.66 0.02 -2.45	7.78 0.02 -2.62	8.32 0.03 -1.94	8.43 0.04 -1.35	7.88 0.04 -1.34	7.88 0.03 -1.30	8.12 0.04 -1.21	9.25 0.05 -1.12	8.83 0.05 -1.26	8.76 0.04 -1.57	11.26 0.06 -1.39	9.91 0.05 -2.42	11.01 0.08 -2.43	14.47 0.09 -2.17	11.01 0.06 -2.64	11.26 0.04 -2.15	13.22 0.04 -1.04	10.39 0.07 -1.15
PROJECT____ORANGE 2 24166	6.77 0.02 -1.58	6.54 0.00 -1.43	6.03 0.00 -1.41	4.33 0.00 -1.58	4.68 0.00 -1.59	5.80 0.01 -1.71	6.66 0.02 -2.45	7.78 0.02 -2.62	8.32 0.03 -1.94	8.43 0.04 -1.35	7.88 0.04 -1.34	7.88 0.03 -1.30	8.12 0.04 -1.21	9.25 0.05 -1.12	8.83 0.05 -1.26	8.76 0.04 -1.57	11.26 0.06 -1.39	9.91 0.05 -2.42	11.01 0.08 -2.43	14.47 0.09 -2.17	11.01 0.06 -2.64	11.26 0.04 -2.15	13.22 0.04 -1.04	10.39 0.07 -1.15
PUCKETT____SOLAR 323809	10.24 0.18 -4.88	9.70 0.16 -4.44	9.14 0.15 -4.37	7.74 0.09 -4.90	8.12 0.10 -4.93	9.51 0.15 -5.28	11.92 0.15 -7.58	13.42 0.17 -8.11	12.53 0.18 -6.00	11.40 0.19 -4.17	10.81 0.16 -4.16	10.72 0.16 -4.01	10.78 0.17 -3.74	11.74 0.19 -3.46	11.62 0.19 -3.91	12.20 0.18 -4.88	14.40 0.28 -4.30	15.16 0.25 -7.48	16.30 0.30 -7.49	19.38 0.48 -6.69	16.77 0.30 -8.15	16.04 0.33 -6.64	15.76 0.40 -3.22	13.01 0.30 -3.54
PYRITES____HYD 24023	5.06 -0.12 0.00	4.99 -0.11 0.00	3.34 -0.10 1.18	2.69 -0.06 0.00	2.63 -0.07 0.39	2.43 -0.08 1.57	2.43 -0.10 1.65	3.03 -0.12 2.00	3.23 -0.19 2.92	3.76 -0.23 3.05	5.22 -0.23 1.05	5.29 -0.22 1.05	3.98 -0.30 2.60	3.71 -0.40 3.97	5.25 -0.41 1.86	3.59 -0.41 3.15	4.04 -0.54 5.23	5.23 -0.42 1.79	5.49 -0.44 2.58	11.64 -0.57 0.00	7.94 -0.37 0.01	4.02 -0.38 4.67	4.25 -0.40 7.50	3.73 -0.28 5.16
QUAKERRD_115KV_BK1 80622	7.05 -0.10 -1.97	6.76 -0.13 -1.79	6.26 -0.12 -1.76	4.66 -0.07 -1.98	5.01 -0.07 -1.99	6.13 -0.08 -2.13	7.16 -0.08 -3.05	8.29 -0.12 -3.27	8.63 -0.13 -2.42	8.57 -0.15 -1.68	8.03 -0.14 -1.68	8.01 -0.16 -1.62	8.21 -0.17 -1.51	9.32 -0.16 -1.40	8.93 -0.17 -1.58	8.97 -0.15 -1.97	11.36 -0.20 -1.74	10.32 -0.15 -3.03	11.43 -0.13 -3.04	14.69 -0.24 -2.72	11.49 -0.13 -3.31	11.58 -0.19 -2.70	13.17 -0.28 -1.31	10.39 -0.22 -1.44

QUENSBRY_I15KV_TB8 356137	24.64 0.30 -19.16	22.79 0.28 -17.41	22.03 0.24 -17.16	22.13 0.15 -19.23	22.62 0.17 -19.36	25.05 0.25 -20.72	34.23 0.28 -29.77	37.35 0.33 -31.88	30.31 0.39 -23.57	23.83 0.40 -16.38	23.23 0.38 -16.35	22.65 0.35 -15.75	21.93 0.37 -14.68	22.13 0.43 -13.61	23.19 0.39 -15.28	26.28 0.41 -18.73	27.08 0.60 -16.67	36.40 0.48 -28.48	37.85 0.55 -28.79	38.94 0.82 -25.91	40.32 0.58 -31.42	35.32 0.62 -25.63	25.54 0.77 -12.63	23.59 0.53 -13.89
RAMAPO____LBMP 323565	20.29 0.32 -14.79	18.85 0.31 -13.44	18.13 0.26 -13.25	17.75 0.16 -14.84	18.22 0.18 -14.95	20.31 0.22 -16.00	27.37 0.23 -22.95	30.01 0.30 -24.57	24.93 0.42 -18.16	20.16 0.49 -12.62	19.55 0.45 -12.60	19.19 0.47 -12.16	18.68 0.50 -11.31	19.16 0.58 -10.49	20.06 0.56 -11.97	22.90 0.51 -15.24	23.78 0.66 -13.32	31.65 0.51 -23.70	32.50 0.56 -23.43	33.74 0.81 -20.72	34.23 0.53 -25.38	30.26 0.57 -20.61	22.69 0.78 -9.77	20.47 0.56 -10.74
RANKINE____ 23646	7.80 -0.07 -2.69	7.43 -0.11 -2.44	6.91 -0.11 -2.41	5.39 -0.06 -2.70	5.75 -0.06 -2.72	6.91 -0.08 -2.91	8.29 -0.07 -4.17	9.47 -0.14 -4.46	9.50 -0.15 -3.30	9.15 -0.19 -2.29	8.62 -0.17 -2.29	8.57 -0.18 -2.21	8.74 -0.19 -2.06	9.84 -0.15 -1.91	9.49 -0.19 -2.15	9.70 -0.14 -2.68	11.97 -0.20 -2.35	11.41 -0.11 -4.09	12.57 -0.08 -4.13	15.66 -0.24 -3.69	12.69 -0.12 -4.50	12.55 -0.18 -3.66	13.63 -0.29 -1.77	10.84 -0.28 -1.95
RAVENSWOOD_GT2_1 24244	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT2_2 24245	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT2_3 24246	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.56 0.60 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
RAVENSWOOD_GT2_4 24247	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.30 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.69 0.56 -12.58	19.16 0.59 -11.69	19.62 0.70 -10.84	20.57 0.67 -12.38	23.52 0.60 -15.76	24.33 0.75 -13.77	32.56 0.60 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.66 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
RAVENSWOOD_GT3_1 24248	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.14 0.90 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT3_2 24249	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.14 0.90 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT3_3 24250	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.63 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.57 0.60 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.06 0.67 -21.32	23.15 0.91 -10.10	20.94 0.66 -11.10
RAVENSWOOD_GT3_4 24251	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.36 -25.39	25.63 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.60 -11.69	19.63 0.70 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.57 0.60 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.17 0.61 -26.25	31.06 0.67 -21.32	23.15 0.91 -10.10	20.94 0.66 -11.10
RAVENSWOOD_GT_1 23729	20.86 0.38 -15.29	19.36 0.37 -13.89	18.62 0.30 -13.70	18.28 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.63 0.50 -18.78	20.69 0.60 -13.05	20.08 0.56 -13.03	19.70 0.58 -12.58	19.18 0.61 -11.69	19.65 0.72 -10.84	20.60 0.70 -12.38	23.54 0.62 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.41 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.06 0.67 -21.32	23.17 0.92 -10.10	20.96 0.69 -11.10
RAVENSWOOD_GT_10 24258	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT_11 24259	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT_4 24252	20.83 0.36 -15.29	19.34 0.34 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.56 0.66 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10

RAVENSWOOD_GT_5 24254	20.83 0.36 -15.29	19.34 0.34 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.56 0.66 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT_6 24253	20.83 0.36 -15.29	19.34 0.34 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.56 0.66 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT_7 24255	20.83 0.36 -15.29	19.34 0.34 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.56 0.66 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD_GT_9 24257	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.67 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.13 0.89 -10.10	20.92 0.64 -11.10
RAVENSWOOD___1 23533	20.85 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.63 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.62 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.06 0.67 -21.32	23.17 0.92 -10.10	20.95 0.68 -11.10
RAVENSWOOD___2 23534	20.85 0.38 -15.29	19.36 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.70 0.58 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.59 0.69 -12.38	23.53 0.62 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.66 -24.24	34.54 0.89 -21.43	35.16 0.59 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.95 0.68 -11.10
RAVENSWOOD___3 23535	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.17 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.68 0.58 -13.05	20.06 0.54 -13.03	19.68 0.56 -12.58	19.15 0.58 -11.69	19.61 0.69 -10.84	20.57 0.67 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.66 -24.24	34.55 0.90 -21.43	35.17 0.60 -26.25	31.05 0.65 -21.32	23.14 0.90 -10.10	20.92 0.64 -11.10
RAVENSWOOD___4 23820	20.85 0.38 -15.29	19.35 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.18 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.69 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.40 0.66 -24.24	34.54 0.89 -21.43	35.16 0.59 -26.25	31.05 0.66 -21.32	23.15 0.91 -10.10	20.95 0.68 -11.10
RCPL_TRUST___DRP 24196	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.19 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.77	20.69 0.59 -13.05	20.07 0.55 -13.02	19.69 0.56 -12.57	19.16 0.59 -11.69	19.62 0.70 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.40 0.65 -24.24	34.57 0.93 -21.43	35.17 0.60 -26.26	31.06 0.67 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
RED___ROCHESTER 323720	7.24 0.04 -2.02	6.94 0.00 -1.84	6.43 0.00 -1.81	4.78 0.00 -2.03	5.14 0.00 -2.04	6.30 0.03 -2.19	7.34 0.02 -3.14	8.51 0.01 -3.36	8.86 0.03 -2.48	8.79 0.02 -1.73	8.26 0.04 -1.72	8.22 0.01 -1.66	8.42 0.00 -1.55	9.57 0.06 -1.43	9.16 0.02 -1.62	9.22 0.05 -2.02	11.69 0.09 -1.79	10.62 0.07 -3.11	11.70 0.07 -3.12	15.08 0.09 -2.79	11.76 0.06 -3.39	11.91 0.07 -2.76	13.52 0.04 -1.34	10.65 0.00 -1.47
REGAN___SOLAR 323812	27.26 0.47 -21.61	25.17 0.44 -19.63	24.37 0.40 -19.35	24.67 0.23 -21.68	25.19 0.27 -21.83	27.85 0.40 -23.36	38.16 0.45 -33.52	41.62 0.51 -35.97	33.54 0.60 -26.59	26.11 0.58 -18.48	25.48 0.54 -18.45	24.88 0.56 -17.77	24.03 0.59 -16.56	24.09 0.65 -15.36	25.38 0.58 -17.29	28.97 0.49 -21.33	29.51 0.77 -18.93	40.65 0.64 -32.57	42.08 0.75 -32.82	42.98 1.32 -29.45	44.86 0.77 -35.78	39.04 0.81 -29.16	27.65 1.23 -14.27	25.71 0.84 -15.70
RENSSELAER___COGEN 23796	23.81 0.22 -18.41	22.05 0.22 -16.73	21.31 0.20 -16.49	21.34 0.12 -18.47	21.82 0.13 -18.60	24.17 0.18 -19.91	32.92 0.17 -28.56	35.90 0.21 -30.55	29.20 0.27 -22.59	23.03 0.29 -15.70	22.43 0.27 -15.67	21.90 0.26 -15.09	21.22 0.28 -14.07	21.46 0.33 -13.05	22.46 0.30 -14.64	25.39 0.29 -17.95	26.20 0.41 -15.98	35.06 0.31 -27.31	36.51 0.37 -27.63	37.60 0.52 -24.87	38.84 0.37 -30.16	34.05 0.38 -24.59	24.79 0.52 -12.12	22.88 0.38 -13.33
REPUBLIC_115KV_BARTNBRK 55605	24.87 0.54 -19.15	23.00 0.50 -17.39	22.22 0.45 -17.15	22.23 0.27 -19.21	22.74 0.31 -19.35	25.23 0.45 -20.70	34.45 0.51 -29.74	37.61 0.61 -31.86	30.63 0.73 -23.55	24.15 0.73 -16.37	23.52 0.68 -16.34	22.93 0.65 -15.74	22.24 0.69 -14.67	22.46 0.78 -13.60	23.50 0.72 -15.26	26.56 0.71 -18.70	27.51 1.04 -16.66	36.73 0.84 -28.45	38.29 1.02 -28.76	39.60 1.50 -25.88	40.77 1.06 -31.39	35.74 1.07 -25.60	26.16 1.40 -12.62	24.02 0.97 -13.88
REVERE_CPPR_DRP 24186	6.22 0.16 -0.88	6.05 0.14 -0.80	5.51 0.15 -0.74	3.72 0.08 -0.88	4.06 0.10 -0.87	5.11 0.14 -0.89	5.61 0.12 -1.30	6.67 0.15 -1.38	7.48 0.17 -0.96	7.84 0.17 -0.63	7.37 0.17 -0.71	7.41 0.18 -0.68	7.64 0.19 -0.57	8.73 0.19 -0.46	8.31 0.17 -0.63	8.02 0.12 -0.75	10.58 0.21 -0.56	8.88 0.16 -1.28	10.02 0.26 -1.25	13.83 0.40 -1.21	10.05 0.27 -1.47	10.31 0.23 -1.01	12.75 0.33 -0.27	9.86 0.26 -0.43

REYNOLDS_115KV_TB3 80639	23.84 0.22 -18.44	22.07 0.22 -16.75	21.33 0.19 -16.52	21.37 0.12 -18.50	21.85 0.13 -18.63	24.19 0.17 -19.94	32.96 0.17 -28.60	35.91 0.20 -30.57	29.21 0.25 -22.60	23.03 0.27 -15.71	22.44 0.26 -15.68	21.90 0.25 -15.10	21.22 0.27 -14.08	21.45 0.32 -13.06	22.44 0.29 -14.63	25.31 0.28 -17.88	26.15 0.39 -15.95	34.88 0.30 -27.15	36.38 0.34 -27.53	37.53 0.50 -24.81	38.72 0.33 -30.07	33.97 0.36 -24.53	24.77 0.50 -12.13	22.87 0.36 -13.34
RIVERBAY____ 323610	20.91 0.44 -15.29	19.41 0.41 -13.89	18.65 0.34 -13.70	18.30 0.20 -15.34	18.78 0.24 -15.45	20.90 0.28 -16.54	28.18 0.27 -23.72	30.89 0.35 -25.39	25.63 0.51 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.73 0.60 -12.58	19.17 0.60 -11.69	19.62 0.70 -10.84	20.58 0.68 -12.38	23.49 0.57 -15.76	24.29 0.71 -13.77	32.52 0.55 -24.53	33.37 0.62 -24.24	34.53 0.88 -21.43	35.14 0.57 -26.26	31.03 0.64 -21.32	23.19 0.95 -10.10	21.04 0.76 -11.10
RIVERSDE_115KV_TB3 55908	23.86 0.23 -18.46	22.09 0.22 -16.77	21.35 0.20 -16.53	21.39 0.12 -18.52	21.88 0.14 -18.65	24.22 0.18 -19.96	32.99 0.18 -28.62	35.93 0.21 -30.58	29.22 0.27 -22.61	23.06 0.30 -15.72	22.46 0.27 -15.68	21.92 0.26 -15.10	21.24 0.28 -14.08	21.48 0.34 -13.06	22.46 0.30 -14.64	25.36 0.29 -17.92	26.19 0.41 -15.97	34.97 0.31 -27.22	36.46 0.37 -27.59	37.59 0.53 -24.85	38.79 0.36 -30.12	34.03 0.38 -24.57	24.80 0.52 -12.13	22.89 0.38 -13.34
ROARING____BROOK_WT_PWR 323790	4.89 -0.30 0.00	4.81 -0.30 0.00	1.60 -0.28 2.74	2.59 -0.17 0.00	1.99 -0.19 0.91	0.18 -0.25 3.65	0.09 -0.26 3.85	0.19 -0.31 4.64	-0.82 -0.37 6.80	-0.44 -0.39 7.09	3.71 -0.34 2.44	3.78 -0.34 2.43	0.46 -0.36 6.06	-1.57 -0.43 9.23	2.83 -0.40 4.29	-0.49 -0.38 7.26	-2.76 -0.52 12.05	2.93 -0.38 4.13	2.16 -0.42 5.94	11.59 -0.62 0.00	7.84 -0.45 0.03	-2.20 -0.52 10.76	-5.83 -0.70 17.27	-3.26 -0.54 11.89
ROCHESRG_115KV_T4 355643	7.19 0.00 -2.01	6.89 -0.04 -1.83	6.38 -0.04 -1.80	4.75 -0.02 -2.02	5.10 -0.02 -2.03	6.25 -0.01 -2.17	7.29 -0.02 -3.12	8.45 -0.04 -3.34	8.79 -0.03 -2.47	8.71 -0.05 -1.72	8.17 -0.04 -1.71	8.14 -0.06 -1.65	8.35 -0.07 -1.54	9.49 -0.02 -1.43	9.08 -0.05 -1.61	9.14 -0.02 -2.01	11.56 -0.03 -1.78	10.52 -0.01 -3.09	11.64 0.02 -3.11	14.94 -0.05 -2.78	11.71 0.01 -3.38	11.79 -0.04 -2.76	13.40 -0.09 -1.34	10.56 -0.08 -1.47
ROCHESTER_9_IC 23652	7.23 0.03 -2.02	6.92 -0.02 -1.84	6.41 -0.02 -1.81	4.77 -0.01 -2.03	5.13 -0.01 -2.04	6.28 0.01 -2.19	7.33 0.00 -3.14	8.49 -0.01 -3.36	8.83 0.00 -2.48	8.76 -0.01 -1.73	8.22 0.00 -1.72	8.19 -0.02 -1.66	8.40 -0.03 -1.55	9.53 0.02 -1.43	9.13 -0.01 -1.62	9.18 0.01 -2.02	11.63 0.03 -1.79	10.58 0.03 -3.11	11.71 0.07 -3.13	15.03 0.02 -2.79	11.77 0.06 -3.40	11.86 0.02 -2.77	13.48 -0.01 -1.34	10.61 -0.04 -1.48
ROCKVIEW_13_KV_LD 356306	20.84 0.36 -15.29	19.34 0.35 -13.89	18.61 0.29 -13.70	18.27 0.18 -15.34	18.75 0.20 -15.45	20.87 0.25 -16.54	28.18 0.27 -23.72	30.89 0.35 -25.40	25.61 0.48 -18.78	20.65 0.56 -13.05	20.04 0.52 -13.03	19.66 0.54 -12.58	19.14 0.57 -11.69	19.60 0.67 -10.84	20.55 0.65 -12.38	23.51 0.59 -15.76	24.33 0.75 -13.77	32.56 0.59 -24.53	33.40 0.65 -24.24	34.57 0.93 -21.43	35.18 0.61 -26.26	31.06 0.67 -21.32	23.13 0.89 -10.10	20.91 0.63 -11.10
ROME____115KV_TB2 80656	6.22 0.16 -0.88	6.05 0.14 -0.80	5.51 0.15 -0.74	3.72 0.08 -0.88	4.06 0.10 -0.87	5.11 0.14 -0.89	5.61 0.12 -1.30	6.67 0.15 -1.38	7.48 0.17 -0.96	7.84 0.17 -0.63	7.37 0.17 -0.71	7.41 0.18 -0.68	7.64 0.19 -0.57	8.73 0.19 -0.46	8.31 0.17 -0.63	8.02 0.12 -0.75	10.58 0.21 -0.56	8.88 0.16 -1.28	10.02 0.26 -1.25	13.83 0.40 -1.21	10.05 0.27 -1.47	10.31 0.23 -1.01	12.75 0.33 -0.27	9.86 0.26 -0.43
ROSETON____1 23587	20.65 0.30 -15.17	19.17 0.29 -13.78	18.45 0.25 -13.59	18.12 0.15 -15.22	18.59 0.17 -15.33	20.70 0.21 -16.40	27.94 0.22 -23.53	30.62 0.28 -25.19	25.36 0.39 -18.62	20.44 0.45 -12.95	19.83 0.42 -12.92	19.46 0.43 -12.47	18.93 0.45 -11.60	19.37 0.53 -10.76	20.31 0.51 -12.28	23.25 0.47 -15.63	24.08 0.61 -13.66	32.22 0.47 -24.32	33.07 0.53 -24.03	34.21 0.75 -21.25	34.85 0.50 -26.03	30.75 0.54 -21.14	22.88 0.72 -10.02	20.70 0.51 -11.01
ROSETON____2 23588	20.65 0.30 -15.17	19.17 0.29 -13.78	18.45 0.25 -13.59	18.12 0.15 -15.22	18.59 0.17 -15.33	20.70 0.21 -16.40	27.94 0.22 -23.53	30.62 0.28 -25.19	25.36 0.39 -18.62	20.44 0.45 -12.95	19.83 0.42 -12.92	19.46 0.43 -12.47	18.93 0.45 -11.60	19.37 0.53 -10.76	20.31 0.51 -12.28	23.25 0.47 -15.63	24.08 0.61 -13.66	32.22 0.47 -24.32	33.07 0.53 -24.03	34.21 0.75 -21.25	34.85 0.50 -26.03	30.75 0.54 -21.14	22.88 0.72 -10.02	20.70 0.51 -11.01
ROTTSDAM_115KV_TB3 80664	24.79 0.21 -19.40	22.92 0.20 -17.62	22.17 0.18 -17.38	22.32 0.11 -19.46	22.81 0.12 -19.60	25.22 0.16 -20.98	34.52 0.18 -30.15	37.66 0.21 -32.31	30.50 0.27 -23.89	23.93 0.28 -16.60	23.33 0.26 -16.57	22.77 0.26 -15.96	22.02 0.27 -14.88	22.20 0.32 -13.80	23.32 0.29 -15.51	26.50 0.28 -19.07	27.17 0.40 -16.95	36.83 0.31 -29.08	38.17 0.36 -29.31	39.07 0.53 -26.33	40.64 0.36 -31.97	35.50 0.37 -26.06	25.44 0.50 -12.80	23.60 0.36 -14.07
RUSSELL____1 23602	7.24 0.04 -2.02	6.94 0.00 -1.84	6.43 0.00 -1.81	4.78 0.00 -2.03	5.14 0.00 -2.04	6.30 0.03 -2.19	7.34 0.02 -3.14	8.51 0.01 -3.36	8.86 0.03 -2.48	8.79 0.02 -1.73	8.25 0.03 -1.72	8.22 0.01 -1.66	8.42 0.00 -1.55	9.57 0.06 -1.43	9.16 0.02 -1.62	9.23 0.06 -2.02	11.69 0.09 -1.79	10.62 0.07 -3.11	11.75 0.11 -3.13	15.09 0.09 -2.79	11.82 0.10 -3.40	11.92 0.07 -2.77	13.53 0.04 -1.34	10.65 0.00 -1.48
RUSSELL____2 23532	7.24 0.04 -2.02	6.94 0.00 -1.84	6.43 0.00 -1.81	4.78 0.00 -2.03	5.14 0.00 -2.04	6.30 0.03 -2.19	7.34 0.02 -3.14	8.51 0.01 -3.36	8.86 0.03 -2.48	8.79 0.02 -1.73	8.25 0.03 -1.72	8.22 0.01 -1.66	8.42 0.00 -1.55	9.57 0.06 -1.43	9.16 0.02 -1.62	9.23 0.06 -2.02	11.69 0.09 -1.79	10.62 0.07 -3.11	11.75 0.11 -3.13	15.09 0.09 -2.79	11.82 0.10 -3.40	11.92 0.07 -2.77	13.53 0.04 -1.34	10.65 0.00 -1.48
RUSSELL____3 23549	7.24 0.04 -2.02	6.94 0.00 -1.84	6.43 0.00 -1.81	4.78 0.00 -2.03	5.14 0.00 -2.04	6.30 0.03 -2.19	7.34 0.02 -3.14	8.51 0.01 -3.36	8.86 0.03 -2.48	8.79 0.02 -1.73	8.25 0.03 -1.72	8.22 0.01 -1.66	8.42 0.00 -1.55	9.57 0.06 -1.43	9.16 0.02 -1.62	9.23 0.06 -2.02	11.69 0.09 -1.79	10.62 0.07 -3.11	11.75 0.11 -3.13	15.09 0.09 -2.79	11.82 0.10 -3.40	11.92 0.07 -2.77	13.53 0.04 -1.34	10.65 0.00 -1.48
RUSSELL____4 23556	7.24 0.04 -2.02	6.94 0.00 -1.84	6.43 0.00 -1.81	4.78 0.00 -2.03	5.14 0.00 -2.04	6.30 0.03 -2.19	7.34 0.02 -3.14	8.51 0.01 -3.36	8.86 0.03 -2.48	8.79 0.02 -1.73	8.25 0.03 -1.72	8.22 0.01 -1.66	8.42 0.00 -1.55	9.57 0.06 -1.43	9.16 0.02 -1.62	9.23 0.06 -2.02	11.69 0.09 -1.79	10.62 0.07 -3.11	11.75 0.11 -3.13	15.09 0.09 -2.79	11.82 0.10 -3.40	11.92 0.07 -2.77	13.53 0.04 -1.34	10.65 0.00 -1.48

RUSSELL___STATION 23914	7.24 0.04 -2.02	6.94 0.00 -1.84	6.43 0.00 -1.81	4.78 0.00 -2.03	5.14 0.00 -2.04	6.30 0.03 -2.19	7.34 0.02 -3.14	8.51 0.01 -3.36	8.86 0.03 -2.48	8.79 0.02 -1.73	8.25 0.03 -1.72	8.22 0.01 -1.66	8.42 0.00 -1.55	9.57 0.06 -1.43	9.16 0.02 -1.62	9.23 0.06 -2.02	11.69 0.09 -1.79	10.62 0.07 -3.11	11.75 0.11 -3.13	15.09 0.09 -2.79	11.82 0.10 -3.40	11.92 0.07 -2.77	13.53 0.04 -1.34	10.65 0.00 -1.48
S SALMON___HYD 24043	6.49 -0.01 -1.31	6.27 -0.02 -1.19	5.66 -0.02 -1.06	4.05 -0.01 -1.31	4.36 -0.01 -1.29	5.36 0.00 -1.27	6.07 0.00 -1.88	7.12 -0.01 -1.99	7.67 -0.02 -1.34	7.85 -0.03 -0.84	7.48 -0.03 -1.02	7.50 -0.03 -0.98	7.60 -0.03 -0.76	8.59 -0.06 -0.56	8.35 -0.05 -0.88	8.11 -0.06 -1.02	10.45 -0.04 -0.68	9.25 -0.04 -1.84	10.25 -0.04 -1.78	13.99 -0.02 -1.80	10.47 -0.03 -2.19	10.40 -0.03 -1.36	12.30 -0.02 -0.18	9.68 0.03 -0.48
S.PERRY__115KV_TB1 80734	8.08 0.34 -2.56	7.72 0.30 -2.32	7.16 0.25 -2.29	5.47 0.15 -2.56	5.84 0.17 -2.58	7.13 0.28 -2.76	8.45 0.29 -3.97	9.73 0.34 -4.25	9.91 0.42 -3.14	9.68 0.45 -2.18	9.05 0.38 -2.18	9.01 0.36 -2.10	9.20 0.36 -1.95	10.33 0.44 -1.81	9.97 0.40 -2.05	10.11 0.41 -2.55	12.52 0.28 -2.42	11.90 0.25 -4.21	13.11 0.37 -4.22	16.47 0.49 -3.77	13.28 0.37 -4.59	13.16 0.34 -3.74	14.31 0.35 -1.81	11.40 0.23 -1.99
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	7.69 -0.07 -2.58	7.33 -0.12 -2.35	6.81 -0.12 -2.31	5.28 -0.06 -2.59	5.64 -0.06 -2.61	6.79 -0.08 -2.79	8.12 -0.08 -4.01	9.28 -0.15 -4.29	9.35 -0.17 -3.17	9.03 -0.22 -2.20	8.50 -0.19 -2.20	8.45 -0.22 -2.12	8.62 -0.23 -1.97	9.73 -0.19 -1.83	9.36 -0.23 -2.07	9.56 -0.17 -2.58	11.83 -0.25 -2.26	11.21 -0.16 -3.93	12.35 -0.13 -3.97	15.43 -0.33 -3.55	12.46 -0.17 -4.32	12.36 -0.23 -3.52	13.51 -0.34 -1.71	10.74 -0.31 -1.88
SAWYER__23_KV_LOAD 55526	7.69 -0.07 -2.58	7.33 -0.12 -2.35	6.81 -0.12 -2.31	5.28 -0.06 -2.59	5.64 -0.06 -2.61	6.79 -0.08 -2.79	8.12 -0.08 -4.01	9.28 -0.15 -4.29	9.35 -0.17 -3.17	9.03 -0.22 -2.20	8.50 -0.19 -2.20	8.45 -0.22 -2.12	8.62 -0.23 -1.97	9.73 -0.19 -1.83	9.36 -0.23 -2.07	9.56 -0.17 -2.58	11.83 -0.25 -2.26	11.21 -0.16 -3.93	12.35 -0.13 -3.97	15.43 -0.33 -3.55	12.46 -0.17 -4.32	12.36 -0.23 -3.52	13.51 -0.34 -1.71	10.74 -0.31 -1.88
SELKIRK___I 23801	23.54 0.23 -18.13	21.79 0.22 -16.47	21.06 0.20 -16.24	21.06 0.12 -18.19	21.54 0.14 -18.32	23.87 0.18 -19.60	32.49 0.18 -28.12	35.42 0.21 -30.08	28.84 0.26 -22.24	22.78 0.27 -15.46	22.18 0.25 -15.43	21.66 0.25 -14.86	20.99 0.26 -13.85	21.23 0.31 -12.84	22.25 0.28 -14.45	25.24 0.27 -17.82	26.02 0.39 -15.82	34.94 0.30 -27.20	36.29 0.36 -27.42	37.34 0.51 -24.61	38.58 0.37 -29.90	33.82 0.38 -24.37	24.60 0.52 -11.94	22.67 0.38 -13.12
SELKIRK___II 23799	23.73 0.21 -18.34	21.97 0.20 -16.66	21.23 0.18 -16.43	21.27 0.11 -18.41	21.75 0.12 -18.53	24.08 0.16 -19.84	32.80 0.16 -28.46	35.76 0.18 -30.43	29.10 0.25 -22.50	22.95 0.27 -15.64	22.35 0.25 -15.61	21.83 0.24 -15.04	21.15 0.26 -14.01	21.39 0.31 -13.00	22.41 0.28 -14.61	25.40 0.27 -17.98	26.16 0.37 -15.98	35.14 0.28 -27.42	36.53 0.34 -27.68	37.56 0.49 -24.86	38.83 0.33 -30.19	34.03 0.35 -24.61	24.70 0.47 -12.08	22.80 0.35 -13.28
SENECA OSWGO___HYD 24041	6.62 -0.03 -1.47	6.40 -0.04 -1.34	5.90 -0.04 -1.32	4.21 -0.02 -1.48	4.55 -0.03 -1.49	5.65 -0.02 -1.59	6.46 -0.02 -2.29	7.56 -0.03 -2.45	8.13 -0.03 -1.81	8.28 -0.03 -1.26	7.73 -0.02 -1.26	7.73 -0.03 -1.21	7.98 -0.03 -1.13	9.10 -0.03 -1.05	8.68 -0.02 -1.18	8.59 -0.03 -1.47	11.09 -0.02 -1.30	9.69 -0.01 -2.26	10.75 -0.03 -2.27	14.22 -0.01 -2.02	10.75 -0.02 -2.47	11.05 -0.03 -2.01	13.08 -0.04 -0.97	10.27 0.03 -1.07
SENECA___115KV_TB3 355854	7.81 -0.06 -2.69	7.44 -0.10 -2.44	6.92 -0.11 -2.41	5.40 -0.05 -2.70	5.75 -0.06 -2.72	6.92 -0.07 -2.91	8.29 -0.07 -4.17	9.48 -0.13 -4.46	9.51 -0.14 -3.30	9.16 -0.18 -2.29	8.63 -0.16 -2.29	8.58 -0.18 -2.21	8.75 -0.18 -2.06	9.86 -0.13 -1.91	9.50 -0.17 -2.15	9.70 -0.13 -2.68	11.99 -0.18 -2.35	11.43 -0.10 -4.09	12.59 -0.06 -4.13	15.67 -0.23 -3.69	12.70 -0.12 -4.50	12.56 -0.17 -3.66	13.64 -0.28 -1.77	10.85 -0.28 -1.95
SENECA___ENERGY 23797	7.37 0.06 -2.13	7.08 0.04 -1.93	6.55 0.03 -1.91	4.91 0.02 -2.13	5.26 0.02 -2.15	6.44 0.06 -2.30	7.57 0.08 -3.30	8.76 0.08 -3.53	9.07 0.11 -2.61	8.97 0.11 -1.82	8.41 0.10 -1.81	8.38 0.08 -1.75	8.59 0.09 -1.63	9.70 0.10 -1.51	9.33 0.11 -1.71	9.36 0.09 -2.12	11.80 0.10 -1.89	10.80 0.08 -3.28	11.88 0.09 -3.29	15.30 0.15 -2.94	11.97 0.07 -3.58	12.07 0.08 -2.91	13.62 0.06 -1.41	10.79 0.06 -1.55
SHOEMAKER___GT 23640	19.35 0.26 -13.90	17.99 0.25 -12.63	17.29 0.22 -12.45	16.83 0.13 -13.95	17.29 0.15 -14.05	19.30 0.19 -15.03	25.95 0.19 -21.57	28.47 0.25 -23.08	23.75 0.34 -17.07	19.30 0.39 -11.86	18.69 0.36 -11.84	18.35 0.37 -11.43	17.89 0.38 -10.63	18.39 0.45 -9.86	19.20 0.44 -11.25	21.86 0.41 -14.30	22.84 0.53 -12.50	30.07 0.40 -22.23	30.97 0.47 -21.99	32.31 0.65 -19.45	32.59 0.46 -23.82	28.89 0.47 -19.35	21.97 0.64 -9.18	19.73 0.47 -10.09
SHOEMAKR_138KV_BK 111 55601	19.23 0.26 -13.78	17.88 0.26 -12.52	17.18 0.22 -12.35	16.71 0.13 -13.83	17.17 0.15 -13.93	19.18 0.19 -14.90	25.76 0.19 -21.38	28.28 0.25 -22.89	23.61 0.34 -16.92	19.20 0.39 -11.76	18.59 0.36 -11.74	18.26 0.37 -11.33	17.80 0.39 -10.54	18.32 0.46 -9.77	19.11 0.44 -11.15	21.74 0.41 -14.18	22.75 0.54 -12.39	29.89 0.41 -22.04	30.76 0.45 -21.80	32.16 0.66 -19.29	32.37 0.44 -23.62	28.73 0.47 -19.18	21.89 0.64 -9.10	19.65 0.47 -10.01
SHOREHAM_IC_1 23715	27.36 0.52 -21.65	21.70 0.52 -16.08	21.85 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.41 -25.15	31.01 0.47 -25.40	28.65 0.68 -21.63	28.09 0.77 -20.28	26.45 0.68 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.82 0.80 -18.49	26.88 0.80 -18.93	29.98 1.07 -19.10	34.37 0.85 -26.09	37.96 0.99 -28.46	41.28 1.26 -27.81	42.23 0.93 -32.99	34.50 1.03 -24.40	28.35 1.26 -14.94	26.14 0.90 -16.07
SHOREHAM_IC_2 23716	27.36 0.52 -21.65	21.70 0.52 -16.08	21.85 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.41 -25.15	31.01 0.47 -25.40	28.65 0.68 -21.63	28.09 0.77 -20.28	26.45 0.68 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.82 0.80 -18.49	26.88 0.80 -18.93	29.98 1.07 -19.10	34.37 0.85 -26.09	37.96 0.99 -28.46	41.28 1.26 -27.81	42.23 0.93 -32.99	34.50 1.03 -24.40	28.35 1.26 -14.94	26.14 0.90 -16.07
SISSONVILLE___ 23735	5.01 -0.17 0.00	4.94 -0.16 0.00	3.31 -0.16 1.15	2.66 -0.09 0.00	2.60 -0.11 0.38	2.42 -0.14 1.53	2.43 -0.15 1.61	3.02 -0.17 1.94	3.26 -0.25 2.84	3.79 -0.29 2.97	5.19 -0.29 1.02	5.26 -0.28 1.02	3.96 -0.39 2.53	3.72 -0.50 3.86	5.19 -0.52 1.81	3.58 -0.51 3.07	4.03 -0.69 5.09	5.17 -0.53 1.74	5.43 -0.58 2.51	11.42 -0.79 0.00	7.80 -0.50 0.01	4.02 -0.51 4.54	4.31 -0.55 7.29	3.77 -0.38 5.02

SITHE_IND_GS1 24169	6.33 -0.11 -1.27	6.13 -0.12 -1.15	5.64 -0.12 -1.13	3.96 -0.07 -1.27	4.29 -0.07 -1.28	5.36 -0.09 -1.37	6.07 -0.09 -1.96	7.13 -0.11 -2.10	7.76 -0.14 -1.55	7.98 -0.15 -1.08	7.44 -0.14 -1.08	7.44 -0.14 -1.04	7.69 -0.15 -0.97	8.81 -0.17 -0.90	8.37 -0.16 -1.01	8.26 -0.16 -1.26	10.72 -0.21 -1.12	9.22 -0.16 -1.94	10.28 -0.18 -1.94	13.71 -0.24 -1.74	10.25 -0.18 -2.12	10.60 -0.20 -1.72	12.73 -0.26 -0.84	9.95 -0.14 -0.92
SITHE_IND_GS2 24170	6.33 -0.11 -1.27	6.13 -0.12 -1.15	5.64 -0.12 -1.13	3.96 -0.07 -1.27	4.29 -0.07 -1.28	5.36 -0.09 -1.37	6.07 -0.09 -1.96	7.13 -0.11 -2.10	7.76 -0.14 -1.55	7.98 -0.15 -1.08	7.44 -0.14 -1.08	7.44 -0.14 -1.04	7.69 -0.15 -0.97	8.81 -0.17 -0.90	8.37 -0.16 -1.01	8.26 -0.16 -1.26	10.72 -0.21 -1.12	9.22 -0.16 -1.94	10.28 -0.18 -1.94	13.71 -0.24 -1.74	10.25 -0.18 -2.12	10.60 -0.20 -1.72	12.73 -0.26 -0.84	9.95 -0.14 -0.92
SITHE_IND_GS3 24171	6.33 -0.11 -1.27	6.13 -0.12 -1.15	5.64 -0.12 -1.13	3.96 -0.07 -1.27	4.29 -0.07 -1.28	5.36 -0.09 -1.37	6.07 -0.09 -1.96	7.13 -0.11 -2.10	7.76 -0.14 -1.55	7.98 -0.15 -1.08	7.44 -0.14 -1.08	7.44 -0.14 -1.04	7.69 -0.15 -0.97	8.81 -0.17 -0.90	8.37 -0.16 -1.01	8.26 -0.16 -1.26	10.72 -0.21 -1.12	9.22 -0.16 -1.94	10.28 -0.18 -1.94	13.71 -0.24 -1.74	10.25 -0.18 -2.12	10.60 -0.20 -1.72	12.73 -0.26 -0.84	9.95 -0.14 -0.92
SITHE_IND_GS4 24172	6.33 -0.11 -1.27	6.13 -0.12 -1.15	5.64 -0.12 -1.13	3.96 -0.07 -1.27	4.29 -0.07 -1.28	5.36 -0.09 -1.37	6.07 -0.09 -1.96	7.13 -0.11 -2.10	7.76 -0.14 -1.55	7.98 -0.15 -1.08	7.44 -0.14 -1.08	7.44 -0.14 -1.04	7.69 -0.15 -0.97	8.81 -0.17 -0.90	8.37 -0.16 -1.01	8.26 -0.16 -1.26	10.72 -0.21 -1.12	9.22 -0.16 -1.94	10.28 -0.18 -1.94	13.71 -0.24 -1.74	10.25 -0.18 -2.12	10.60 -0.20 -1.72	12.73 -0.26 -0.84	9.95 -0.14 -0.92
SITHE___BATAVIA 24024	7.37 0.16 -2.03	7.06 0.11 -1.84	6.53 0.10 -1.82	4.85 0.06 -2.04	5.20 0.06 -2.05	6.41 0.13 -2.19	7.45 0.11 -3.15	8.66 0.14 -3.37	9.04 0.20 -2.49	8.98 0.20 -1.73	8.43 0.21 -1.73	8.39 0.17 -1.67	8.59 0.16 -1.55	9.77 0.25 -1.44	9.35 0.20 -1.63	9.38 0.20 -2.03	11.89 0.28 -1.80	10.79 0.23 -3.12	11.91 0.27 -3.13	15.42 0.42 -2.80	11.99 0.27 -3.41	12.14 0.29 -2.77	13.82 0.33 -1.34	10.85 0.20 -1.48
SITHE___INDEPEND 23800	6.34 -0.11 -1.27	6.13 -0.12 -1.15	5.64 -0.12 -1.13	3.96 -0.07 -1.27	4.29 -0.07 -1.28	5.36 -0.09 -1.37	6.07 -0.09 -1.96	7.13 -0.11 -2.10	7.76 -0.14 -1.55	7.98 -0.15 -1.08	7.44 -0.14 -1.08	7.45 -0.14 -1.04	7.69 -0.15 -0.97	8.81 -0.17 -0.90	8.37 -0.16 -1.01	8.26 -0.16 -1.26	10.72 -0.21 -1.12	9.22 -0.16 -1.94	10.30 -0.16 -1.95	13.71 -0.24 -1.74	10.27 -0.16 -2.12	10.60 -0.20 -1.72	12.73 -0.26 -0.84	9.95 -0.14 -0.92
SITHE___MASSENA 23902	5.05 -0.13 0.00	4.98 -0.12 0.00	3.11 -0.12 1.39	2.68 -0.07 0.00	2.55 -0.08 0.46	2.13 -0.10 1.85	2.13 -0.11 1.95	2.66 -0.13 2.35	2.72 -0.18 3.44	3.24 -0.22 3.59	5.04 -0.22 1.23	5.10 -0.22 1.23	3.56 -0.25 3.06	3.11 -0.31 4.67	5.07 -0.28 2.17	3.21 -0.27 3.67	3.33 -0.38 6.10	5.05 -0.30 2.09	5.17 -0.34 3.00	11.75 -0.46 0.00	8.00 -0.30 0.01	3.32 -0.31 5.44	3.04 -0.36 8.74	2.88 -0.27 6.02
SITHE___OGDNSBRG 24021	5.06 -0.12 0.00	4.99 -0.11 0.00	3.28 -0.10 1.24	2.69 -0.06 0.00	2.61 -0.07 0.41	2.35 -0.08 1.65	2.35 -0.10 1.74	2.93 -0.11 2.10	3.09 -0.18 3.08	3.61 -0.23 3.21	5.17 -0.22 1.10	5.23 -0.22 1.10	3.86 -0.28 2.74	3.54 -0.37 4.17	5.20 -0.35 1.96	3.48 -0.35 3.32	3.84 -0.46 5.51	5.19 -0.36 1.89	5.41 -0.39 2.71	11.70 -0.51 0.00	7.98 -0.32 0.01	3.83 -0.33 4.92	3.89 -0.36 7.89	3.47 -0.27 5.44
SITHE___STERLING 23777	6.34 0.13 -1.02	6.15 0.12 -0.93	5.66 0.12 -0.91	3.84 0.07 -1.02	4.20 0.08 -1.03	5.31 0.12 -1.10	5.89 0.11 -1.58	6.97 0.13 -1.69	7.75 0.15 -1.25	8.07 0.15 -0.87	7.50 0.14 -0.87	7.55 0.16 -0.84	7.83 0.17 -0.78	8.98 0.18 -0.72	8.49 0.16 -0.82	8.29 0.12 -1.02	10.91 0.20 -0.90	9.16 0.16 -1.56	10.27 0.20 -1.57	13.98 0.37 -1.40	10.22 0.20 -1.70	10.67 0.21 -1.39	13.12 0.30 -0.67	10.15 0.24 -0.74
SLEIGHT__34_KV_TB1 80719	7.38 0.19 -2.02	7.09 0.16 -1.83	6.56 0.13 -1.81	4.85 0.08 -2.02	5.22 0.09 -2.04	6.42 0.16 -2.18	7.50 0.18 -3.13	8.71 0.22 -3.35	9.10 0.27 -2.48	9.08 0.31 -1.72	8.50 0.29 -1.72	8.48 0.28 -1.66	8.71 0.29 -1.54	9.85 0.34 -1.43	9.47 0.33 -1.62	9.45 0.29 -2.01	12.00 0.40 -1.78	10.84 0.30 -3.10	12.01 0.39 -3.11	15.50 0.51 -2.78	12.07 0.37 -3.38	12.17 0.34 -2.76	13.88 0.40 -1.34	10.97 0.33 -1.47
SOUTH CAIRO___GT 23612	22.90 0.31 -17.41	21.21 0.30 -15.82	20.48 0.26 -15.60	20.38 0.16 -17.47	20.86 0.18 -17.59	23.16 0.25 -18.83	31.46 0.26 -27.01	34.33 0.29 -28.89	28.06 0.36 -21.36	22.23 0.34 -14.85	21.62 0.30 -14.82	21.13 0.30 -14.28	20.46 0.28 -13.30	20.77 0.35 -12.34	21.73 0.31 -13.91	24.71 0.34 -17.21	25.57 0.51 -15.25	34.16 0.38 -26.34	35.51 0.51 -26.49	36.71 0.77 -23.73	37.77 0.60 -28.86	33.15 0.57 -23.51	24.42 0.80 -11.47	22.34 0.56 -12.61
SOUTH HAMPTN___IC 23720	27.41 0.58 -21.65	21.75 0.57 -16.08	21.90 0.50 -16.79	20.16 0.30 -17.11	21.09 0.34 -17.65	26.63 0.43 -22.11	29.80 0.45 -25.15	31.07 0.53 -25.40	28.73 0.76 -21.63	28.18 0.85 -20.28	26.53 0.77 -19.27	26.53 0.77 -19.21	26.22 0.82 -18.52	26.58 0.96 -17.54	26.91 0.89 -18.49	26.98 0.90 -18.93	30.12 1.22 -19.10	34.49 0.97 -26.09	38.09 1.12 -28.46	41.45 1.43 -27.81	42.37 1.07 -32.99	34.64 1.17 -24.40	28.51 1.43 -14.94	26.26 1.02 -16.07
SOUTHDOW__115KV_TB1 355954	8.00 -0.04 -2.86	7.61 -0.09 -2.60	7.07 -0.11 -2.56	5.56 -0.06 -2.87	5.91 -0.06 -2.89	7.10 -0.08 -3.09	8.57 -0.05 -4.43	9.79 -0.09 -4.74	9.76 -0.10 -3.51	9.39 -0.10 -2.44	8.84 -0.09 -2.43	8.80 -0.10 -2.35	8.97 -0.09 -2.19	10.07 -0.04 -2.03	9.73 -0.08 -2.29	9.97 -0.04 -2.85	12.26 -0.07 -2.52	11.84 0.03 -4.37	13.07 0.11 -4.45	16.18 -0.01 -3.98	13.18 0.02 -4.84	12.98 -0.03 -3.94	13.86 -0.19 -1.91	11.06 -0.21 -2.10
SOUTHOLD_69_KV_BK 2 55809	27.48 0.65 -21.65	21.82 0.64 -16.08	21.96 0.56 -16.79	20.20 0.34 -17.11	21.13 0.39 -17.65	26.68 0.49 -22.11	29.86 0.52 -25.15	31.15 0.61 -25.40	28.83 0.85 -21.63	28.28 0.96 -20.28	26.63 0.86 -19.27	26.63 0.87 -19.21	26.31 0.91 -18.52	26.70 1.08 -17.54	27.01 1.00 -18.49	27.13 1.05 -18.93	30.30 1.39 -19.10	34.64 1.12 -26.09	38.09 1.11 -28.46	41.67 1.65 -27.81	42.38 1.07 -32.99	34.84 1.36 -24.40	28.73 1.65 -14.94	26.41 1.16 -16.07
SOUTHOLD___IC 23719	27.48 0.65 -21.65	21.82 0.64 -16.08	21.96 0.56 -16.79	20.20 0.34 -17.11	21.13 0.39 -17.65	26.68 0.49 -22.11	29.86 0.52 -25.15	31.15 0.61 -25.40	28.83 0.85 -21.63	28.28 0.96 -20.28	26.63 0.86 -19.27	26.63 0.87 -19.21	26.31 0.91 -18.52	26.70 1.08 -17.54	27.01 1.00 -18.49	27.11 1.03 -18.93	30.31 1.40 -19.10	34.64 1.12 -26.09	38.28 1.31 -28.46	41.67 1.65 -27.81	42.55 1.25 -32.99	34.83 1.36 -24.40	28.73 1.65 -14.94	26.41 1.17 -16.07

SPIERFLS_115KV_TB 1 80737	24.62 0.27 -19.17	22.77 0.25 -17.42	22.01 0.22 -17.17	22.12 0.13 -19.24	22.61 0.15 -19.37	25.03 0.22 -20.73	34.22 0.25 -29.79	37.34 0.29 -31.90	30.29 0.36 -23.59	23.80 0.36 -16.40	23.20 0.34 -16.36	22.62 0.31 -15.76	21.90 0.33 -14.69	22.09 0.38 -13.62	23.16 0.35 -15.29	26.25 0.36 -18.74	27.03 0.53 -16.69	36.38 0.43 -28.51	37.82 0.49 -28.81	38.87 0.73 -25.93	40.29 0.52 -31.45	35.27 0.55 -25.65	25.48 0.69 -12.64	23.55 0.48 -13.90
ST LAWRENCE____ 23600	5.00 -0.18 0.00	4.93 -0.17 0.00	3.00 -0.16 1.46	2.66 -0.09 0.00	2.50 -0.11 0.49	2.00 -0.14 1.95	2.00 -0.14 2.05	2.50 -0.17 2.47	2.50 -0.23 3.62	3.00 -0.27 3.78	4.94 -0.25 1.30	5.00 -0.26 1.29	3.38 -0.28 3.23	2.85 -0.32 4.91	4.93 -0.30 2.29	3.00 -0.29 3.86	3.00 -0.39 6.42	4.93 -0.31 2.20	5.00 -0.35 3.16	11.71 -0.50 0.00	7.97 -0.32 0.01	3.00 -0.34 5.73	2.50 -0.45 9.20	2.50 -0.34 6.33
STATE_CA_115KV_115_LB 55624	24.03 0.25 -18.60	22.24 0.24 -16.90	21.49 0.22 -16.66	21.54 0.13 -18.66	22.03 0.15 -18.79	24.39 0.20 -20.11	33.24 0.19 -28.85	36.56 0.25 -31.17	29.71 0.32 -23.04	23.41 0.35 -16.02	22.80 0.32 -15.99	22.26 0.31 -15.40	21.56 0.33 -14.35	21.79 0.40 -13.31	22.83 0.36 -14.95	25.85 0.34 -18.36	26.62 0.48 -16.33	35.77 0.37 -27.96	37.19 0.43 -28.25	38.24 0.62 -25.40	39.56 0.42 -30.82	34.66 0.45 -25.13	25.12 0.61 -12.36	23.21 0.44 -13.59
STATE_ST_34_KV_LOAD 55959	7.40 0.10 -2.11	7.10 0.08 -1.92	6.57 0.06 -1.89	4.91 0.04 -2.12	5.27 0.04 -2.13	6.45 0.08 -2.28	7.56 0.10 -3.28	8.77 0.12 -3.51	9.10 0.16 -2.59	9.02 0.17 -1.80	8.46 0.16 -1.80	8.45 0.16 -1.73	8.66 0.17 -1.62	9.78 0.19 -1.50	9.41 0.20 -1.69	9.49 0.24 -2.11	12.00 0.32 -1.87	10.93 0.24 -3.25	11.99 0.22 -3.26	15.40 0.28 -2.91	12.06 0.20 -3.54	12.22 0.26 -2.88	13.75 0.21 -1.40	10.89 0.18 -1.54
STATION 5_MISC_HYD 23604	7.22 0.02 -2.02	6.92 -0.02 -1.84	6.41 -0.02 -1.81	4.77 -0.01 -2.03	5.13 -0.01 -2.04	6.28 0.01 -2.19	7.33 0.00 -3.14	8.49 -0.01 -3.36	8.83 0.00 -2.48	8.76 -0.01 -1.73	8.23 0.01 -1.72	8.19 -0.02 -1.66	8.40 -0.03 -1.55	9.53 0.02 -1.43	9.13 -0.01 -1.62	9.18 0.01 -2.02	11.63 0.03 -1.79	10.58 0.03 -3.11	11.65 0.03 -3.12	15.02 0.02 -2.79	11.72 0.02 -3.39	11.85 0.02 -2.76	13.47 -0.01 -1.34	10.61 -0.04 -1.47
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	7.27 0.07 -2.02	6.98 0.04 -1.84	6.45 0.02 -1.81	4.80 0.02 -2.03	5.15 0.02 -2.05	6.33 0.05 -2.19	7.39 0.05 -3.14	8.57 0.06 -3.36	8.92 0.08 -2.49	8.87 0.09 -1.73	8.31 0.08 -1.73	8.28 0.07 -1.66	8.49 0.07 -1.55	9.63 0.11 -1.44	9.23 0.09 -1.62	9.26 0.09 -2.02	11.73 0.12 -1.80	10.66 0.10 -3.12	11.81 0.16 -3.13	15.20 0.18 -2.80	11.87 0.15 -3.41	11.95 0.10 -2.78	13.59 0.10 -1.35	10.73 0.07 -1.48
STA_56_34_KV_BUS2_REV_LBMP_B 345033	7.18 -0.01 -2.01	6.88 -0.05 -1.82	6.37 -0.04 -1.80	4.74 -0.02 -2.01	5.09 -0.02 -2.03	6.24 -0.01 -2.17	7.29 -0.02 -3.11	8.44 -0.03 -3.33	8.79 -0.03 -2.46	8.72 -0.04 -1.71	8.18 -0.03 -1.71	8.15 -0.05 -1.65	8.36 -0.06 -1.53	9.49 -0.02 -1.42	9.09 -0.04 -1.61	9.14 -0.01 -2.00	11.57 -0.02 -1.78	10.52 -0.01 -3.09	11.64 0.03 -3.10	14.96 -0.02 -2.77	11.71 0.02 -3.38	11.80 -0.03 -2.75	13.41 -0.07 -1.33	10.56 -0.08 -1.47
STA_56____34_KV_BUS2 355983	7.18 -0.01 -2.01	6.88 -0.05 -1.82	6.37 -0.04 -1.80	4.74 -0.02 -2.01	5.09 -0.02 -2.03	6.24 -0.01 -2.17	7.29 -0.02 -3.11	8.44 -0.03 -3.33	8.79 -0.03 -2.46	8.72 -0.04 -1.71	8.18 -0.03 -1.71	8.15 -0.05 -1.65	8.36 -0.06 -1.53	9.49 -0.02 -1.42	9.09 -0.04 -1.61	9.14 -0.01 -2.00	11.57 -0.02 -1.78	10.52 -0.01 -3.09	11.64 0.03 -3.10	14.96 -0.02 -2.77	11.71 0.02 -3.38	11.80 -0.03 -2.75	13.41 -0.07 -1.33	10.56 -0.08 -1.47
STA_67____115KV_BK2 355882	7.22 0.02 -2.02	6.91 -0.03 -1.83	6.40 -0.03 -1.81	4.77 -0.01 -2.03	5.12 -0.01 -2.04	6.27 0.00 -2.18	7.32 0.00 -3.13	8.48 -0.02 -3.35	8.82 -0.01 -2.48	8.74 -0.03 -1.72	8.20 -0.02 -1.72	8.18 -0.03 -1.66	8.38 -0.04 -1.54	9.52 0.00 -1.43	9.11 -0.02 -1.62	9.17 0.00 -2.02	11.61 0.01 -1.79	10.56 0.01 -3.11	11.68 0.04 -3.13	15.00 0.00 -2.79	11.75 0.03 -3.40	11.84 0.00 -2.77	13.45 -0.04 -1.34	10.59 -0.06 -1.48
STA_7____115KV_9TRANS 80674	7.24 0.04 -2.02	6.94 0.00 -1.84	6.43 0.00 -1.81	4.78 0.00 -2.03	5.14 0.00 -2.04	6.30 0.03 -2.19	7.34 0.02 -3.14	8.51 0.01 -3.36	8.86 0.03 -2.48	8.79 0.02 -1.73	8.25 0.03 -1.72	8.22 0.01 -1.66	8.42 0.00 -1.55	9.57 0.06 -1.43	9.16 0.02 -1.62	9.23 0.06 -2.02	11.69 0.09 -1.79	10.62 0.07 -3.11	11.75 0.11 -3.13	15.09 0.09 -2.79	11.82 0.10 -3.40	11.92 0.07 -2.77	13.53 0.04 -1.34	10.65 0.00 -1.48
STA_82____115KV_TB1 80780	7.22 0.02 -2.03	6.92 -0.03 -1.84	6.41 -0.02 -1.82	4.77 -0.01 -2.03	5.13 -0.01 -2.05	6.28 0.00 -2.19	7.34 0.00 -3.15	8.49 -0.02 -3.37	8.83 -0.01 -2.49	8.75 -0.02 -1.73	8.21 -0.01 -1.73	8.18 -0.03 -1.66	8.39 -0.04 -1.55	9.53 0.01 -1.44	9.12 -0.02 -1.62	9.18 0.01 -2.02	11.62 0.01 -1.80	10.58 0.01 -3.12	11.70 0.05 -3.14	15.02 0.00 -2.80	11.77 0.04 -3.42	11.86 0.01 -2.78	13.46 -0.04 -1.35	10.60 -0.06 -1.48
STEEL____WIND 323596	7.80 -0.07 -2.69	7.44 -0.11 -2.44	6.92 -0.11 -2.41	5.39 -0.06 -2.70	5.75 -0.06 -2.72	6.91 -0.08 -2.91	8.29 -0.07 -4.17	9.47 -0.13 -4.46	9.50 -0.15 -3.30	9.16 -0.18 -2.29	8.65 -0.14 -2.29	8.57 -0.18 -2.21	8.75 -0.19 -2.06	9.85 -0.14 -1.91	9.49 -0.18 -2.15	9.70 -0.14 -2.68	11.98 -0.19 -2.35	11.42 -0.10 -4.09	12.46 -0.14 -4.10	15.63 -0.24 -3.66	12.58 -0.19 -4.46	12.53 -0.17 -3.62	13.61 -0.29 -1.76	10.83 -0.27 -1.93
STEPHTWN_115KV_BK_2 55603	23.87 0.27 -18.41	22.10 0.27 -16.73	21.35 0.24 -16.49	21.37 0.15 -18.47	21.85 0.16 -18.60	24.21 0.22 -19.91	32.97 0.23 -28.55	35.96 0.27 -30.55	29.28 0.34 -22.59	23.11 0.37 -15.70	22.50 0.33 -15.67	21.96 0.32 -15.09	21.29 0.34 -14.07	21.54 0.41 -13.05	22.54 0.38 -14.64	25.46 0.36 -17.95	26.30 0.51 -15.98	35.13 0.39 -27.31	36.61 0.46 -27.64	37.76 0.67 -24.88	38.94 0.46 -30.17	34.16 0.48 -24.60	24.92 0.64 -12.13	22.97 0.47 -13.33
STEBEN_REC_LFGE 323667	8.76 0.32 -3.26	8.35 0.29 -2.96	7.77 0.23 -2.92	6.16 0.13 -3.27	6.54 0.15 -3.30	7.87 0.25 -3.53	9.54 0.29 -5.06	10.89 0.33 -5.42	10.77 0.41 -4.01	10.31 0.48 -2.78	9.69 0.42 -2.78	9.62 0.39 -2.68	9.80 0.43 -2.49	10.89 0.49 -2.31	10.59 0.46 -2.61	10.81 0.40 -3.26	13.02 0.24 -2.97	12.82 0.22 -5.17	14.00 0.31 -5.18	17.22 0.38 -4.63	14.22 0.27 -5.64	13.89 0.23 -4.59	14.56 0.19 -2.22	11.74 0.12 -2.45
STONY____BROOK 24151	27.35 0.51 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.05 0.30 -17.65	26.57 0.38 -22.11	29.74 0.40 -25.15	31.00 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.68 -19.27	26.45 0.69 -19.21	26.13 0.73 -18.52	26.48 0.86 -17.54	26.81 0.80 -18.49	26.86 0.78 -18.93	29.95 1.04 -19.10	34.35 0.83 -26.09	37.94 0.97 -28.46	41.25 1.23 -27.81	42.22 0.91 -32.99	34.46 0.99 -24.40	28.31 1.23 -14.94	26.12 0.88 -16.07

STURGEON_POOL_HYD 23609	20.73 0.32 -15.23	19.24 0.31 -13.83	18.51 0.25 -13.64	18.18 0.15 -15.28	18.65 0.18 -15.39	20.76 0.21 -16.47	28.03 0.22 -23.62	30.72 0.29 -25.28	25.46 0.42 -18.69	20.53 0.49 -12.99	19.91 0.45 -12.97	19.54 0.48 -12.51	19.01 0.49 -11.64	19.46 0.58 -10.80	20.36 0.57 -12.27	23.12 0.50 -15.47	24.02 0.63 -13.58	31.85 0.48 -23.93	32.85 0.54 -23.80	34.14 0.79 -21.14	34.67 0.53 -25.83	30.60 0.54 -20.99	22.98 0.79 -10.05	20.78 0.56 -11.05
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	19.78 0.30 -14.30	18.38 0.29 -12.99	17.67 0.24 -12.81	17.24 0.15 -14.34	17.70 0.17 -14.44	19.76 0.21 -15.46	26.59 0.22 -22.18	29.17 0.28 -23.74	24.29 0.39 -17.55	19.70 0.46 -12.20	19.09 0.42 -12.18	18.74 0.44 -11.75	18.26 0.45 -10.93	18.75 0.53 -10.14	19.61 0.52 -11.57	22.33 0.46 -14.71	23.28 0.61 -12.86	30.78 0.46 -22.88	31.66 0.52 -22.63	32.99 0.76 -20.02	33.33 0.51 -24.51	29.51 0.53 -19.91	22.33 0.74 -9.44	20.08 0.53 -10.38
SWANROAD_115KV_TB1 355699	7.53 -0.13 -2.48	7.18 -0.18 -2.26	6.67 -0.17 -2.22	5.15 -0.09 -2.49	5.51 -0.09 -2.51	6.64 -0.13 -2.68	7.90 -0.15 -3.85	9.00 -0.26 -4.12	9.08 -0.31 -3.05	8.79 -0.37 -2.12	8.27 -0.34 -2.11	8.22 -0.37 -2.04	8.39 -0.39 -1.90	9.50 -0.35 -1.76	9.11 -0.40 -1.99	9.29 -0.34 -2.48	11.53 -0.46 -2.18	10.89 -0.33 -3.78	11.99 -0.33 -3.81	15.01 -0.61 -3.41	12.11 -0.36 -4.15	12.02 -0.44 -3.38	13.21 -0.57 -1.64	10.48 -0.50 -1.80
SYNERGY___BIOGAS 323694	7.37 0.16 -2.03	7.06 0.11 -1.84	6.53 0.10 -1.82	4.85 0.06 -2.04	5.20 0.06 -2.05	6.41 0.13 -2.19	7.45 0.11 -3.15	8.66 0.14 -3.37	9.04 0.20 -2.49	8.98 0.20 -1.73	8.43 0.21 -1.73	8.39 0.17 -1.67	8.59 0.16 -1.55	9.77 0.25 -1.44	9.35 0.20 -1.63	9.38 0.20 -2.03	11.89 0.28 -1.80	10.79 0.23 -3.12	11.91 0.27 -3.13	15.42 0.42 -2.80	11.99 0.27 -3.41	12.14 0.29 -2.77	13.82 0.33 -1.34	10.85 0.20 -1.48
SYRACUSE___ENERGY_ST1 323597	6.99 0.05 -1.76	6.73 0.03 -1.60	6.22 0.02 -1.58	4.53 0.01 -1.77	4.89 0.02 -1.78	6.02 0.03 -1.91	6.97 0.04 -2.73	8.12 0.05 -2.93	8.58 0.06 -2.16	8.63 0.08 -1.50	8.07 0.07 -1.50	8.06 0.07 -1.45	8.30 0.08 -1.35	9.41 0.08 -1.25	9.01 0.08 -1.41	8.98 0.07 -1.76	11.48 0.11 -1.56	10.23 0.08 -2.71	11.31 0.09 -2.71	14.78 0.15 -2.42	11.34 0.07 -2.95	11.56 0.08 -2.40	13.41 0.10 -1.17	10.57 0.12 -1.28
SYRACUSE___ENERGY_ST2 323598	6.99 0.05 -1.76	6.73 0.03 -1.60	6.22 0.02 -1.58	4.53 0.01 -1.77	4.89 0.02 -1.78	6.02 0.03 -1.91	6.97 0.04 -2.73	8.12 0.05 -2.93	8.58 0.06 -2.16	8.63 0.08 -1.50	8.07 0.07 -1.50	8.06 0.07 -1.45	8.30 0.08 -1.35	9.41 0.08 -1.25	9.01 0.08 -1.41	8.98 0.07 -1.76	11.48 0.11 -1.56	10.23 0.08 -2.71	11.31 0.09 -2.71	14.78 0.15 -2.42	11.34 0.07 -2.95	11.56 0.08 -2.40	13.41 0.10 -1.17	10.57 0.12 -1.28
SYRACUSE___POWER 24017	7.03 0.03 -1.81	6.76 0.02 -1.65	6.25 0.00 -1.62	4.57 0.00 -1.82	4.93 0.01 -1.83	6.07 0.02 -1.96	7.03 0.03 -2.81	8.18 0.03 -3.01	8.62 0.04 -2.23	8.65 0.06 -1.55	8.09 0.05 -1.54	8.08 0.05 -1.49	8.32 0.06 -1.39	9.43 0.06 -1.29	9.03 0.06 -1.45	9.01 0.05 -1.81	11.50 0.09 -1.60	10.29 0.07 -2.78	11.40 0.10 -2.79	14.83 0.12 -2.49	11.43 0.08 -3.03	11.60 0.05 -2.47	13.42 0.07 -1.20	10.58 0.09 -1.32
TALLMAN__138KV_BK151 55660	20.25 0.33 -14.74	18.81 0.32 -13.39	18.09 0.27 -13.20	17.70 0.16 -14.79	18.17 0.19 -14.89	20.26 0.23 -15.94	27.30 0.24 -22.87	29.94 0.32 -24.48	24.88 0.44 -18.10	20.14 0.51 -12.58	19.53 0.47 -12.56	19.16 0.49 -12.12	18.66 0.52 -11.27	19.14 0.61 -10.45	20.04 0.59 -11.93	22.87 0.54 -15.18	23.77 0.69 -13.27	31.58 0.53 -23.62	32.44 0.59 -23.35	33.70 0.84 -20.65	34.16 0.56 -25.29	30.21 0.60 -20.54	22.69 0.81 -9.73	20.45 0.58 -10.70
TEALLAVE_115KV_TB7 355573	6.75 0.01 -1.56	6.51 -0.01 -1.42	6.00 -0.01 -1.40	4.31 -0.01 -1.56	4.66 0.00 -1.57	5.78 0.01 -1.69	6.63 0.02 -2.42	7.75 0.02 -2.59	8.29 0.03 -1.91	8.41 0.04 -1.33	7.86 0.03 -1.33	7.86 0.03 -1.28	8.10 0.03 -1.19	9.22 0.03 -1.11	8.81 0.04 -1.25	8.73 0.03 -1.56	11.24 0.05 -1.38	9.87 0.04 -2.39	10.98 0.07 -2.40	14.43 0.07 -2.14	10.97 0.05 -2.61	11.23 0.03 -2.12	13.21 0.04 -1.03	10.37 0.06 -1.13
TELGRAPH_34_KV_EAST 80808	7.54 -0.05 -2.41	7.19 -0.10 -2.19	6.68 -0.10 -2.16	5.12 -0.05 -2.42	5.48 -0.04 -2.43	6.63 -0.06 -2.60	7.85 -0.08 -3.73	8.99 -0.15 -4.00	9.13 -0.17 -2.95	8.89 -0.21 -2.05	8.36 -0.19 -2.05	8.31 -0.22 -1.98	8.48 -0.23 -1.84	9.61 -0.18 -1.71	9.22 -0.23 -1.93	9.37 -0.18 -2.40	11.69 -0.24 -2.11	10.96 -0.16 -3.67	12.08 -0.13 -3.70	15.21 -0.31 -3.31	12.18 -0.16 -4.03	12.12 -0.23 -3.28	13.43 -0.30 -1.59	10.62 -0.29 -1.75
TEMPLE___115KV_TB 2 55572	6.77 0.02 -1.58	6.54 0.00 -1.43	6.03 0.00 -1.41	4.33 0.00 -1.58	4.68 0.00 -1.59	5.80 0.01 -1.71	6.66 0.02 -2.45	7.78 0.02 -2.62	8.32 0.03 -1.94	8.43 0.04 -1.35	7.88 0.04 -1.34	7.88 0.03 -1.30	8.12 0.04 -1.21	9.25 0.05 -1.12	8.83 0.05 -1.26	8.76 0.04 -1.57	11.26 0.06 -1.39	9.91 0.05 -2.42	11.01 0.08 -2.43	14.47 0.09 -2.17	11.01 0.06 -2.64	11.26 0.04 -2.15	13.22 0.04 -1.04	10.39 0.07 -1.15
TIANA____69_KV_BK 1 55817	27.39 0.56 -21.65	21.73 0.55 -16.08	21.88 0.48 -16.79	20.15 0.29 -17.11	21.08 0.33 -17.65	26.62 0.42 -22.11	29.78 0.44 -25.15	31.06 0.51 -25.40	28.70 0.73 -21.63	28.16 0.83 -20.28	26.51 0.74 -19.27	26.51 0.75 -19.21	26.19 0.79 -18.52	26.55 0.93 -17.54	26.88 0.86 -18.49	26.98 0.90 -18.93	30.09 1.18 -19.10	34.47 0.94 -26.09	37.90 0.93 -28.46	41.40 1.38 -27.81	42.19 0.89 -32.99	34.62 1.14 -24.40	28.47 1.38 -14.94	26.23 0.98 -16.07
TILDEN___115KV_TB1 80814	7.03 0.03 -1.81	6.76 0.02 -1.65	6.25 0.00 -1.62	4.57 0.00 -1.82	4.93 0.01 -1.83	6.07 0.02 -1.96	7.03 0.03 -2.81	8.18 0.03 -3.01	8.62 0.04 -2.23	8.65 0.06 -1.55	8.09 0.05 -1.54	8.08 0.05 -1.49	8.32 0.06 -1.39	9.43 0.06 -1.29	9.03 0.06 -1.45	9.01 0.05 -1.81	11.50 0.09 -1.60	10.29 0.07 -2.78	11.40 0.10 -2.79	14.83 0.12 -2.49	11.43 0.08 -3.03	11.60 0.05 -2.47	13.42 0.07 -1.20	10.58 0.09 -1.32
TRIGEN___CC 323695	27.27 0.44 -21.65	21.60 0.42 -16.08	21.76 0.36 -16.79	20.08 0.22 -17.11	20.99 0.25 -17.65	26.51 0.31 -22.11	29.68 0.34 -25.15	30.93 0.39 -25.40	28.55 0.57 -21.63	27.98 0.66 -20.28	26.37 0.60 -19.27	26.38 0.62 -19.21	26.04 0.65 -18.52	26.38 0.76 -17.54	26.73 0.72 -18.49	26.76 0.68 -18.93	29.78 0.87 -19.10	34.21 0.68 -26.09	37.69 0.72 -28.46	41.09 1.06 -27.81	41.99 0.68 -32.99	34.27 0.80 -24.40	28.13 1.04 -14.94	26.01 0.76 -16.07
TRINITY__115KV__ 4 BK 55933	23.85 0.23 -18.44	22.08 0.22 -16.75	21.34 0.20 -16.52	21.37 0.12 -18.50	21.86 0.14 -18.63	24.20 0.18 -19.94	32.96 0.18 -28.59	35.94 0.21 -30.59	29.24 0.27 -22.62	23.06 0.30 -15.72	22.46 0.27 -15.69	21.93 0.27 -15.11	21.24 0.28 -14.08	21.48 0.34 -13.06	22.48 0.31 -14.66	25.41 0.29 -17.97	26.22 0.41 -16.00	35.08 0.31 -27.33	36.54 0.37 -27.67	37.65 0.54 -24.90	38.87 0.36 -30.20	34.08 0.38 -24.63	24.81 0.52 -12.14	22.90 0.38 -13.35

UNION___PROCESSING_DRP 323587	7.23 0.02 -2.03	6.92 -0.02 -1.84	6.41 -0.02 -1.82	4.78 -0.01 -2.04	5.13 -0.01 -2.05	6.29 0.01 -2.19	7.34 0.00 -3.15	8.50 -0.02 -3.37	8.83 -0.01 -2.49	8.76 -0.01 -1.73	8.21 -0.01 -1.73	8.19 -0.03 -1.67	8.39 -0.04 -1.55	9.53 0.01 -1.44	9.12 -0.02 -1.63	9.18 0.01 -2.03	11.63 0.02 -1.80	10.59 0.02 -3.12	11.70 0.05 -3.14	15.03 0.01 -2.81	11.77 0.04 -3.42	11.87 0.01 -2.78	13.46 -0.04 -1.35	10.60 -0.06 -1.48
UPPER HUDSON___HYD 24058	24.62 0.26 -19.17	22.77 0.25 -17.42	22.01 0.22 -17.17	22.12 0.13 -19.24	22.61 0.15 -19.37	25.03 0.22 -20.73	34.18 0.25 -29.75	37.34 0.29 -31.90	30.29 0.36 -23.59	23.80 0.36 -16.40	23.20 0.34 -16.36	22.62 0.31 -15.76	21.90 0.33 -14.69	22.09 0.38 -13.62	23.16 0.35 -15.29	26.25 0.36 -18.74	27.03 0.53 -16.69	36.38 0.43 -28.51	37.88 0.52 -28.85	38.91 0.73 -25.97	40.35 0.54 -31.49	35.31 0.55 -25.68	25.49 0.69 -12.66	23.57 0.48 -13.92
UPPER RAQUET___HYD 24056	5.02 -0.17 0.00	4.94 -0.16 0.00	3.31 -0.16 1.15	2.66 -0.09 0.00	2.60 -0.11 0.38	2.42 -0.14 1.53	2.43 -0.15 1.61	3.02 -0.17 1.94	3.26 -0.25 2.84	3.79 -0.29 2.97	5.18 -0.29 1.02	5.26 -0.27 1.02	3.96 -0.38 2.53	3.72 -0.50 3.86	5.20 -0.52 1.80	3.61 -0.51 3.04	4.08 -0.69 5.04	5.18 -0.53 1.73	5.44 -0.59 2.48	11.42 -0.79 0.00	7.80 -0.50 0.01	4.06 -0.51 4.50	4.37 -0.55 7.23	3.82 -0.38 4.98
VALLEY44_115KV_TB2 355964	8.06 -0.08 -2.96	7.67 -0.12 -2.69	7.15 -0.12 -2.65	5.66 -0.06 -2.97	6.01 -0.07 -2.99	7.20 -0.08 -3.20	8.71 -0.07 -4.59	9.93 -0.12 -4.91	9.85 -0.13 -3.63	9.41 -0.15 -2.52	8.87 -0.15 -2.52	8.81 -0.16 -2.43	8.97 -0.17 -2.26	10.04 -0.15 -2.10	9.72 -0.17 -2.37	9.98 -0.12 -2.95	12.23 -0.19 -2.61	11.87 -0.10 -4.53	12.94 -0.13 -4.55	15.99 -0.29 -4.07	13.09 -0.17 -4.95	12.87 -0.23 -4.03	13.73 -0.36 -1.95	11.00 -0.32 -2.15
VALLEY___115KV_TB 1-4 80826	5.21 0.03 0.00	5.13 0.03 0.00	4.71 0.03 -0.06	2.77 0.02 0.00	3.13 0.02 -0.02	4.20 0.03 -0.08	4.30 0.02 -0.09	5.27 0.03 -0.10	6.54 0.04 -0.15	7.24 0.04 -0.16	6.60 0.05 -0.05	6.66 0.06 -0.05	7.07 0.06 -0.13	8.34 0.05 -0.20	7.64 0.03 -0.09	7.31 0.00 -0.16	10.08 0.00 -0.27	7.53 0.00 -0.09	8.68 0.03 -0.13	12.26 0.05 0.00	8.34 0.02 0.00	9.29 -0.03 -0.24	12.53 0.00 -0.38	9.44 0.00 -0.26
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	11.42 0.21 -6.02	10.77 0.19 -5.47	10.21 0.20 -5.39	8.91 0.11 -6.04	9.30 0.13 -6.08	10.77 0.17 -6.51	13.70 0.17 -9.35	15.36 0.21 -10.01	14.01 0.26 -7.40	12.48 0.29 -5.14	11.90 0.27 -5.13	11.79 0.29 -4.95	11.79 0.30 -4.61	12.69 0.33 -4.27	12.66 0.31 -4.83	13.48 0.31 -6.01	15.56 0.44 -5.31	17.01 0.33 -9.23	18.13 0.37 -9.24	21.02 0.55 -8.26	18.73 0.37 -10.06	17.70 0.44 -8.19	16.64 0.52 -3.97	13.92 0.39 -4.36
VISCHER___FERRY HYD 24020	24.14 0.23 -18.73	22.34 0.22 -17.02	21.59 0.20 -16.78	21.67 0.12 -18.79	22.15 0.14 -18.92	24.52 0.18 -20.25	33.44 0.19 -29.06	36.46 0.22 -31.10	29.62 0.27 -23.00	23.32 0.29 -15.98	22.72 0.27 -15.95	22.16 0.26 -15.36	21.47 0.28 -14.32	21.70 0.33 -13.28	22.68 0.29 -14.87	25.55 0.29 -18.11	26.40 0.41 -16.18	35.20 0.32 -27.45	36.78 0.38 -27.89	37.93 0.55 -25.17	39.16 0.37 -30.48	34.34 0.40 -24.87	25.02 0.53 -12.34	23.12 0.39 -13.56
V_A_10_SYNC_DSASP 323832	7.39 -0.05 -2.26	7.07 -0.09 -2.05	6.56 -0.08 -2.02	4.98 -0.04 -2.27	5.34 -0.04 -2.28	6.48 -0.05 -2.44	7.65 -0.05 -3.50	8.79 -0.11 -3.75	9.00 -0.12 -2.77	8.82 -0.16 -1.93	8.31 -0.12 -1.92	8.24 -0.16 -1.86	8.43 -0.17 -1.73	9.56 -0.13 -1.60	9.16 -0.17 -1.81	9.28 -0.12 -2.25	11.63 -0.17 -1.99	10.77 -0.12 -3.45	11.81 -0.16 -3.46	15.06 -0.24 -3.09	11.90 -0.18 -3.77	11.98 -0.16 -3.07	13.39 -0.24 -1.49	10.58 -0.23 -1.64
V_CMM_10_SYNC_DSASP 323787	5.02 -0.16 0.00	4.95 -0.15 0.00	3.02 -0.14 1.46	2.67 -0.08 0.00	2.51 -0.09 0.49	2.02 -0.12 1.95	2.02 -0.13 2.05	2.52 -0.15 2.47	2.52 -0.21 3.62	3.03 -0.24 3.78	4.97 -0.23 1.30	5.03 -0.23 1.29	3.40 -0.25 3.23	2.87 -0.30 4.91	4.96 -0.28 2.29	3.02 -0.26 3.86	3.03 -0.36 6.42	4.96 -0.28 2.20	5.02 -0.33 3.16	11.75 -0.46 0.00	8.00 -0.30 0.01	3.03 -0.32 5.73	2.55 -0.40 9.20	2.53 -0.31 6.33
V_CMP_10_SYNC_DSASP 323788	5.08 -0.10 0.00	4.96 -0.14 0.00	2.99 -0.19 1.44	2.61 -0.14 0.00	2.44 -0.18 0.48	1.93 -0.24 1.92	1.91 -0.26 2.02	2.44 -0.27 2.43	2.46 -0.32 3.56	2.99 -0.34 3.72	4.91 -0.31 1.28	4.99 -0.29 1.27	3.39 -0.32 3.17	2.84 -0.41 4.84	4.87 -0.40 2.25	2.98 -0.36 3.80	2.98 -0.51 6.32	4.93 -0.35 2.16	5.04 -0.36 3.11	11.65 -0.56 0.00	7.98 -0.32 0.01	3.02 -0.42 5.64	2.37 -0.73 9.05	2.36 -0.58 6.23
V_E_10_SYNC_DSASP 323830	10.05 0.33 -4.54	9.52 0.30 -4.12	9.00 0.31 -4.07	7.47 0.17 -4.56	7.87 0.19 -4.59	9.27 0.28 -4.91	11.49 0.26 -7.04	13.00 0.32 -7.54	12.27 0.34 -5.58	11.29 0.37 -3.88	10.68 0.31 -3.87	10.67 0.39 -3.73	10.76 0.41 -3.47	11.72 0.41 -3.22	11.56 0.40 -3.64	12.06 0.38 -4.53	14.41 0.59 -4.01	14.86 0.46 -6.96	16.07 0.58 -6.98	19.40 0.95 -6.23	16.49 0.59 -7.59	15.88 0.63 -6.18	15.90 0.75 -3.00	13.04 0.57 -3.29
V_F_30_NSYNC___DSASP 323816	24.58 0.28 -19.11	22.73 0.27 -17.36	21.98 0.24 -17.12	22.07 0.15 -19.17	22.56 0.16 -19.31	24.97 0.22 -20.66	34.08 0.24 -29.65	37.22 0.29 -31.79	30.21 0.36 -23.50	23.75 0.37 -16.34	23.15 0.34 -16.31	22.58 0.33 -15.70	21.86 0.34 -14.64	22.06 0.40 -13.58	23.12 0.37 -15.23	26.17 0.37 -18.65	26.97 0.54 -16.61	36.22 0.42 -28.36	37.72 0.50 -28.71	38.77 0.71 -25.85	40.17 0.51 -31.35	35.17 0.54 -25.57	25.45 0.69 -12.61	23.53 0.49 -13.87
V_F_30_SYNC_DSASP 323786	24.01 0.24 -18.58	22.22 0.24 -16.88	21.48 0.22 -16.65	21.53 0.13 -18.65	22.01 0.15 -18.78	24.37 0.19 -20.09	33.21 0.19 -28.83	36.52 0.25 -31.13	29.68 0.32 -23.02	23.39 0.35 -16.00	22.78 0.32 -15.97	22.25 0.31 -15.38	21.54 0.33 -14.33	21.77 0.40 -13.30	22.81 0.36 -14.93	25.83 0.34 -18.34	26.61 0.48 -16.31	35.74 0.37 -27.93	37.17 0.43 -28.23	38.22 0.62 -25.38	39.55 0.43 -30.80	34.63 0.44 -25.11	25.11 0.61 -12.35	23.20 0.44 -13.58
V_XM_10_SYNC_DSASP 323789	5.08 -0.10 0.00	4.96 -0.14 0.00	2.99 -0.19 1.44	2.61 -0.14 0.00	2.44 -0.18 0.48	1.93 -0.24 1.92	1.91 -0.26 2.02	2.44 -0.27 2.43	2.46 -0.32 3.56	2.99 -0.34 3.72	4.91 -0.31 1.28	4.99 -0.29 1.27	3.39 -0.32 3.17	2.84 -0.41 4.84	4.87 -0.40 2.25	2.98 -0.36 3.80	2.98 -0.51 6.32	4.93 -0.35 2.16	5.04 -0.36 3.11	11.65 -0.56 0.00	7.98 -0.32 0.01	3.02 -0.42 5.64	2.37 -0.73 9.05	2.36 -0.58 6.23
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	20.35 0.34 -14.83	18.90 0.33 -13.47	18.18 0.28 -13.28	17.80 0.17 -14.88	18.26 0.19 -14.98	20.36 0.24 -16.03	27.45 0.26 -23.00	30.09 0.33 -24.62	25.01 0.46 -18.20	20.23 0.53 -12.65	19.61 0.49 -12.63	19.25 0.50 -12.19	18.74 0.53 -11.34	19.22 0.62 -10.51	20.12 0.60 -12.00	22.97 0.55 -15.27	23.86 0.71 -13.35	31.74 0.54 -23.76	32.60 0.60 -23.48	33.85 0.87 -20.77	34.33 0.57 -25.44	30.35 0.62 -20.66	22.77 0.84 -9.79	20.54 0.61 -10.76

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	20.84 0.37 -15.29	19.35 0.35 -13.89	18.61 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.88 0.26 -16.54	28.19 0.27 -23.72	30.90 0.36 -25.39	25.62 0.50 -18.77	20.69 0.59 -13.05	20.07 0.55 -13.02	19.69 0.56 -12.57	19.16 0.59 -11.69	19.62 0.70 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.35 0.77 -13.77	32.57 0.60 -24.53	33.40 0.65 -24.24	34.57 0.93 -21.43	35.17 0.60 -26.26	31.06 0.67 -21.32	23.14 0.90 -10.10	20.93 0.65 -11.10
W50THST__13_KV_LOAD 356117	20.87 0.39 -15.29	19.37 0.38 -13.89	18.62 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.89 0.27 -16.54	28.20 0.29 -23.72	30.92 0.39 -25.39	25.66 0.53 -18.77	20.72 0.62 -13.05	20.10 0.58 -13.02	19.72 0.60 -12.57	19.20 0.63 -11.69	19.66 0.74 -10.84	20.61 0.71 -12.38	23.56 0.64 -15.76	24.39 0.80 -13.77	32.61 0.64 -24.53	33.44 0.69 -24.24	34.62 0.98 -21.43	35.20 0.63 -26.26	31.10 0.71 -21.32	23.19 0.95 -10.10	20.95 0.68 -11.10
WADING RIVER_IC_1 23522	27.36 0.52 -21.65	21.70 0.52 -16.08	21.85 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.41 -25.15	31.02 0.47 -25.40	28.65 0.68 -21.63	28.10 0.77 -20.28	26.46 0.69 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.83 0.81 -18.49	26.89 0.81 -18.93	30.00 1.09 -19.10	34.38 0.86 -26.09	37.97 1.00 -28.46	41.29 1.27 -27.81	42.25 0.95 -32.99	34.51 1.03 -24.40	28.35 1.26 -14.94	26.15 0.91 -16.07
WADING RIVER_IC_2 23547	27.36 0.52 -21.65	21.70 0.52 -16.08	21.85 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.41 -25.15	31.02 0.47 -25.40	28.65 0.68 -21.63	28.10 0.77 -20.28	26.46 0.69 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.83 0.81 -18.49	26.89 0.81 -18.93	30.00 1.09 -19.10	34.38 0.86 -26.09	37.97 1.00 -28.46	41.29 1.27 -27.81	42.25 0.95 -32.99	34.51 1.03 -24.40	28.35 1.26 -14.94	26.15 0.91 -16.07
WADING RIVER_IC_3 23601	27.36 0.52 -21.65	21.70 0.52 -16.08	21.85 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.41 -25.15	31.02 0.47 -25.40	28.65 0.68 -21.63	28.10 0.77 -20.28	26.46 0.69 -19.27	26.45 0.69 -19.21	26.13 0.74 -18.52	26.49 0.87 -17.54	26.83 0.81 -18.49	26.89 0.81 -18.93	30.00 1.09 -19.10	34.38 0.86 -26.09	37.97 1.00 -28.46	41.29 1.27 -27.81	42.25 0.95 -32.99	34.51 1.03 -24.40	28.35 1.26 -14.94	26.15 0.91 -16.07
WALDENNY_12_KV_BK2 80841	7.79 -0.06 -2.67	7.42 -0.10 -2.42	6.90 -0.10 -2.39	5.37 -0.05 -2.67	5.73 -0.05 -2.69	6.89 -0.07 -2.88	8.26 -0.07 -4.14	9.43 -0.13 -4.43	9.47 -0.15 -3.27	9.14 -0.18 -2.28	8.61 -0.16 -2.27	8.56 -0.18 -2.19	8.74 -0.18 -2.04	9.84 -0.14 -1.89	9.47 -0.18 -2.14	9.68 -0.13 -2.66	11.96 -0.19 -2.33	11.39 -0.10 -4.05	12.53 -0.08 -4.10	15.62 -0.26 -3.66	12.65 -0.12 -4.46	12.52 -0.18 -3.63	13.61 -0.29 -1.76	10.82 -0.28 -1.93
WALDEN__HYDRO 24148	20.37 0.34 -14.85	18.92 0.33 -13.49	18.19 0.28 -13.30	17.81 0.17 -14.90	18.28 0.19 -15.00	20.38 0.24 -16.05	27.47 0.25 -23.03	30.11 0.31 -24.65	25.01 0.43 -18.23	20.21 0.49 -12.67	19.59 0.45 -12.65	19.22 0.47 -12.21	18.70 0.47 -11.35	19.18 0.57 -10.53	20.07 0.55 -12.00	22.90 0.52 -15.24	23.81 0.67 -13.33	31.61 0.51 -23.66	32.52 0.59 -23.43	33.80 0.84 -20.74	34.30 0.59 -25.39	30.30 0.60 -20.62	22.78 0.84 -9.80	20.56 0.61 -10.78
WARRENSBURG____ 23737	24.62 0.26 -19.17	22.77 0.25 -17.42	22.01 0.22 -17.17	22.12 0.13 -19.24	22.61 0.15 -19.37	25.03 0.22 -20.73	34.18 0.25 -29.75	37.34 0.29 -31.90	30.29 0.36 -23.59	23.80 0.36 -16.40	23.20 0.34 -16.36	22.62 0.31 -15.76	21.90 0.33 -14.69	22.09 0.38 -13.62	23.16 0.35 -15.29	26.25 0.36 -18.74	27.03 0.53 -16.69	36.38 0.43 -28.51	37.88 0.52 -28.85	38.91 0.73 -25.97	40.35 0.54 -31.49	35.31 0.55 -25.68	25.49 0.69 -12.66	23.57 0.48 -13.92
WATERSIDE____6 8 9 23538	20.85 0.38 -15.29	19.35 0.36 -13.89	18.62 0.30 -13.70	18.27 0.18 -15.34	18.75 0.21 -15.45	20.87 0.25 -16.54	28.17 0.26 -23.72	30.89 0.35 -25.39	25.62 0.50 -18.78	20.69 0.59 -13.05	20.07 0.55 -13.03	19.70 0.57 -12.58	19.17 0.61 -11.69	19.64 0.71 -10.84	20.58 0.68 -12.38	23.52 0.61 -15.76	24.34 0.76 -13.77	32.56 0.60 -24.53	33.38 0.63 -24.24	34.54 0.89 -21.43	35.14 0.57 -26.26	31.06 0.66 -21.32	23.15 0.91 -10.10	20.95 0.68 -11.10
WATKINRD_115KV_LN8_ILLION 55919	5.21 0.03 0.00	5.13 0.03 0.00	4.71 0.03 -0.06	2.77 0.02 0.00	3.13 0.02 -0.02	4.19 0.03 -0.08	4.30 0.02 -0.09	5.28 0.03 -0.10	6.54 0.04 -0.15	7.24 0.04 -0.16	6.59 0.04 -0.05	6.65 0.05 -0.05	7.06 0.05 -0.13	8.34 0.05 -0.20	7.65 0.04 -0.09	7.33 0.01 -0.16	10.10 0.02 -0.27	7.54 0.01 -0.09	8.69 0.05 -0.13	12.29 0.07 0.00	8.36 0.04 0.00	9.33 0.02 -0.24	12.58 0.05 -0.38	9.47 0.04 -0.26
WATSON____69_KV_BK 1 55734	27.37 0.53 -21.65	21.70 0.52 -16.08	21.86 0.45 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.59 0.40 -22.11	29.76 0.41 -25.15	31.02 0.48 -25.40	28.67 0.69 -21.63	28.11 0.78 -20.28	26.46 0.70 -19.27	26.47 0.71 -19.21	26.15 0.75 -18.52	26.50 0.88 -17.54	26.83 0.82 -18.49	26.88 0.80 -18.93	29.96 1.05 -19.10	34.36 0.83 -26.09	37.85 0.88 -28.46	41.32 1.29 -27.81	42.14 0.84 -32.99	34.48 1.01 -24.40	28.36 1.28 -14.94	26.17 0.93 -16.07
WDELAWARE__HYD 323627	18.62 0.41 -13.03	17.34 0.40 -11.83	16.63 0.34 -11.67	16.02 0.20 -13.07	16.49 0.24 -13.16	18.46 0.29 -14.08	24.69 0.29 -20.21	27.14 0.37 -21.63	22.83 0.50 -15.99	18.72 0.56 -11.12	18.09 0.50 -11.09	17.79 0.54 -10.71	17.34 0.50 -9.96	17.88 0.57 -9.24	18.57 0.54 -10.51	20.91 0.48 -13.28	22.09 0.63 -11.65	28.49 0.48 -20.58	29.49 0.55 -20.43	31.22 0.88 -18.12	31.03 0.56 -22.16	27.65 0.57 -18.01	21.64 0.90 -8.60	19.27 0.64 -9.45
WEST BABYLON__IC 23714	27.35 0.52 -21.65	21.68 0.50 -16.08	21.84 0.43 -16.79	20.12 0.26 -17.11	21.04 0.30 -17.65	26.58 0.38 -22.11	29.74 0.40 -25.15	31.01 0.46 -25.40	28.64 0.67 -21.63	28.08 0.75 -20.28	26.44 0.68 -19.27	26.45 0.69 -19.21	26.13 0.73 -18.52	26.48 0.86 -17.54	26.81 0.80 -18.49	26.86 0.78 -18.93	29.93 1.02 -19.10	34.34 0.81 -26.09	37.82 0.85 -28.46	41.27 1.25 -27.81	42.12 0.81 -32.99	34.45 0.97 -24.40	28.32 1.24 -14.94	26.14 0.90 -16.07
WEST CANADA__HYD 24049	5.20 0.02 0.00	5.11 0.01 0.00	4.69 0.01 -0.06	2.76 0.01 0.00	3.12 0.01 -0.02	4.18 0.01 -0.08	4.28 0.01 -0.09	5.26 0.01 -0.10	6.52 0.02 -0.15	7.22 0.01 -0.16	6.57 0.02 -0.05	6.62 0.02 -0.05	7.03 0.02 -0.13	8.31 0.02 -0.20	7.64 0.02 -0.10	7.33 0.01 -0.16	10.10 0.02 -0.27	7.54 0.01 -0.09	8.66 0.02 -0.13	12.25 0.04 0.00	8.33 0.02 0.00	9.34 0.03 -0.24	12.57 0.04 -0.38	9.47 0.04 -0.26
WESTERN_NY_WIND 24143	7.59 -0.04 -2.45	7.25 -0.08 -2.22	6.74 -0.07 -2.19	5.17 -0.04 -2.46	5.53 -0.03 -2.47	6.70 -0.04 -2.65	7.93 -0.06 -3.80	9.08 -0.13 -4.06	9.21 -0.15 -3.00	8.95 -0.18 -2.09	8.44 -0.14 -2.09	8.37 -0.19 -2.01	8.53 -0.22 -1.87	9.67 -0.15 -1.74	9.27 -0.21 -1.96	9.44 -0.16 -2.44	11.76 -0.20 -2.15	11.04 -0.13 -3.73	12.08 -0.17 -3.74	15.31 -0.24 -3.34	12.19 -0.19 -4.07	12.20 -0.18 -3.31	13.49 -0.26 -1.60	10.67 -0.27 -1.76

WESTOVER___LESR 323668	10.08 0.12 -4.78	9.54 0.10 -4.34	8.99 0.09 -4.28	7.60 0.05 -4.80	7.98 0.06 -4.83	9.34 0.09 -5.17	11.70 0.10 -7.42	13.19 0.10 -7.94	12.36 0.14 -5.87	11.28 0.15 -4.08	10.71 0.14 -4.07	10.61 0.13 -3.93	10.68 0.14 -3.66	11.65 0.18 -3.39	11.52 0.17 -3.83	12.08 0.16 -4.77	14.26 0.24 -4.21	14.94 0.19 -7.32	16.05 0.22 -7.32	19.05 0.29 -6.54	16.49 0.21 -7.97	15.76 0.20 -6.49	15.53 0.24 -3.15	12.81 0.18 -3.46
WETHRSFD_WT_PWR 323626	8.08 -0.11 -3.02	7.69 -0.15 -2.74	7.18 -0.14 -2.70	5.70 -0.08 -3.03	6.05 -0.09 -3.05	7.24 -0.11 -3.26	8.76 -0.11 -4.68	9.98 -0.17 -5.01	9.86 -0.19 -3.70	9.39 -0.23 -2.58	8.88 -0.19 -2.57	8.80 -0.23 -2.48	8.96 -0.23 -2.31	10.04 -0.19 -2.14	9.73 -0.21 -2.42	10.00 -0.16 -3.01	12.25 -0.15 -2.59	11.86 -0.07 -4.50	12.92 -0.10 -4.51	16.07 -0.17 -4.03	13.08 -0.14 -4.91	12.92 -0.15 -3.99	13.83 -0.26 -1.94	11.04 -0.26 -2.13
WHAVSTOR_138KV_BK127 55557	20.35 0.33 -14.84	18.90 0.31 -13.48	18.18 0.27 -13.30	17.80 0.16 -14.89	18.27 0.19 -15.00	20.36 0.23 -16.05	27.45 0.24 -23.02	30.10 0.31 -24.65	25.00 0.43 -18.22	20.22 0.51 -12.67	19.60 0.46 -12.64	19.24 0.48 -12.21	18.73 0.50 -11.35	19.21 0.60 -10.53	20.11 0.58 -12.01	22.96 0.52 -15.29	23.84 0.67 -13.36	31.75 0.52 -23.79	32.59 0.57 -23.51	33.82 0.82 -20.79	34.32 0.54 -25.47	30.34 0.59 -20.68	22.75 0.80 -9.80	20.52 0.57 -10.78
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	20.35 0.33 -14.84	18.90 0.31 -13.48	18.18 0.27 -13.30	17.80 0.16 -14.89	18.27 0.19 -15.00	20.36 0.23 -16.05	27.45 0.24 -23.02	30.10 0.31 -24.65	25.00 0.43 -18.22	20.22 0.51 -12.67	19.60 0.46 -12.64	19.24 0.48 -12.21	18.73 0.50 -11.35	19.21 0.60 -10.53	20.11 0.58 -12.01	22.96 0.52 -15.29	23.84 0.67 -13.36	31.75 0.52 -23.79	32.59 0.57 -23.51	33.82 0.82 -20.79	34.32 0.54 -25.47	30.34 0.59 -20.68	22.75 0.80 -9.80	20.52 0.57 -10.78
WHITEHAL_115KV_TB1 80871	24.72 0.39 -19.15	22.86 0.36 -17.39	22.09 0.32 -17.15	22.16 0.20 -19.21	22.66 0.22 -19.35	25.11 0.32 -20.70	34.30 0.36 -29.74	37.44 0.44 -31.86	30.42 0.51 -23.55	23.94 0.52 -16.37	23.32 0.48 -16.34	22.74 0.45 -15.74	22.03 0.48 -14.67	22.24 0.55 -13.60	23.29 0.51 -15.26	26.38 0.53 -18.70	27.25 0.78 -16.66	36.52 0.63 -28.45	38.00 0.73 -28.76	39.17 1.07 -25.88	40.47 0.76 -31.39	35.48 0.81 -25.60	25.77 1.01 -12.62	23.75 0.70 -13.88
WHITEPLN_13_KV_LOAD 356215	20.85 0.40 -15.27	19.35 0.38 -13.87	18.62 0.32 -13.68	18.27 0.20 -15.32	18.74 0.23 -15.43	20.87 0.28 -16.51	28.18 0.31 -23.68	30.90 0.40 -25.35	25.62 0.53 -18.74	20.68 0.61 -13.03	20.07 0.57 -13.00	19.69 0.59 -12.55	19.18 0.63 -11.67	19.65 0.74 -10.83	20.59 0.71 -12.36	23.50 0.61 -15.74	24.34 0.78 -13.75	32.55 0.62 -24.49	33.44 0.73 -24.20	34.67 1.06 -21.40	35.22 0.70 -26.21	31.06 0.70 -21.28	23.20 0.97 -10.08	20.95 0.69 -11.09
WM_FLOYD_69_KV_BK2 356380	27.35 0.52 -21.65	21.69 0.51 -16.08	21.85 0.44 -16.79	20.13 0.27 -17.11	21.05 0.31 -17.65	26.58 0.38 -22.11	29.75 0.40 -25.15	31.01 0.46 -25.40	28.65 0.67 -21.63	28.09 0.76 -20.28	26.44 0.68 -19.27	26.45 0.69 -19.21	26.13 0.73 -18.52	26.48 0.86 -17.54	26.81 0.80 -18.49	26.88 0.80 -18.93	29.93 1.02 -19.10	34.35 0.82 -26.09	37.80 0.83 -28.46	41.26 1.23 -27.81	42.10 0.80 -32.99	34.46 0.99 -24.40	28.32 1.24 -14.94	26.13 0.89 -16.07
WOODARD__115KV_TB2 355635	6.76 0.00 -1.58	6.52 -0.02 -1.44	6.01 -0.02 -1.42	4.33 -0.01 -1.59	4.67 -0.01 -1.60	5.79 0.00 -1.71	6.65 0.00 -2.45	7.77 0.00 -2.62	8.29 0.01 -1.94	8.41 0.01 -1.35	7.86 0.01 -1.35	7.85 0.01 -1.30	8.10 0.01 -1.21	9.22 0.02 -1.12	8.80 0.02 -1.27	8.73 0.01 -1.58	11.23 0.02 -1.40	9.88 0.01 -2.43	10.98 0.04 -2.43	14.42 0.04 -2.17	10.99 0.03 -2.65	11.23 0.00 -2.15	13.19 0.00 -1.04	10.37 0.05 -1.15
YORK___WARBASSE 23770	20.87 0.40 -15.29	19.37 0.38 -13.89	18.63 0.31 -13.70	18.28 0.18 -15.34	18.76 0.22 -15.45	20.88 0.26 -16.54	28.18 0.27 -23.72	30.90 0.37 -25.39	25.63 0.51 -18.78	20.70 0.61 -13.05	20.09 0.57 -13.03	19.71 0.59 -12.58	19.20 0.63 -11.69	19.66 0.74 -10.84	20.62 0.72 -12.38	23.56 0.64 -15.76	24.38 0.79 -13.77	32.59 0.62 -24.53	33.41 0.66 -24.24	34.56 0.92 -21.43	35.16 0.59 -26.26	31.11 0.72 -21.32	23.22 0.97 -10.10	21.00 0.72 -11.10