

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

05/21/2023

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	20.60	19.18	18.74	18.05	17.88	17.19	18.91	17.30	17.52	17.64	17.19	16.16	15.78	16.53	17.23	18.20	20.20	27.54	32.41	34.10	35.16	32.99	23.71	20.84
24138	0.21	0.15	0.15	0.15	0.15	0.17	0.14	0.22	0.28	0.40	0.33	0.36	0.41	0.38	0.40	0.38	0.35	0.47	0.64	1.13	1.19	1.26	0.96	0.57
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
74TH STREET_GT_1	20.60	19.18	18.75	18.05	17.89	17.19	18.92	17.30	17.52	17.64	17.19	16.17	15.78	16.53	17.23	18.21	20.21	27.54	32.41	34.11	35.17	33.02	23.72	20.86
24260	0.21	0.15	0.15	0.15	0.16	0.17	0.14	0.22	0.28	0.41	0.33	0.37	0.41	0.39	0.40	0.39	0.35	0.47	0.65	1.14	1.21	1.29	0.97	0.58
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
74TH STREET_GT_2	20.60	19.18	18.75	18.05	17.89	17.19	18.92	17.30	17.52	17.64	17.19	16.17	15.78	16.53	17.23	18.21	20.21	27.54	32.41	34.11	35.17	33.02	23.72	20.86
24261	0.21	0.15	0.15	0.15	0.16	0.17	0.14	0.22	0.28	0.41	0.33	0.37	0.41	0.39	0.40	0.39	0.35	0.47	0.65	1.14	1.21	1.29	0.97	0.58
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
ADK HUDSON___FALLS	25.64	24.04	23.48	22.54	22.31	21.35	23.73	21.32	21.39	21.05	20.77	19.33	18.64	19.74	20.61	21.90	24.60	33.67	38.56	38.98	40.28	37.24	26.41	24.26
24011	0.14	0.10	0.11	0.12	0.12	0.13	0.10	0.16	0.20	0.26	0.23	0.23	0.26	0.24	0.23	0.23	0.29	0.36	0.57	1.10	1.16	1.11	0.81	0.45
	-22.76	-21.84	-21.22	-20.13	-19.85	-18.74	-21.50	-18.05	-17.51	-15.75	-16.34	-14.58	-13.36	-14.83	-15.73	-17.07	-19.77	-27.67	-29.82	-22.86	-22.97	-19.59	-12.67	-15.73
ADK RESOURCE___RCVRY	25.67	24.06	23.50	22.56	22.33	21.37	23.72	21.32	21.39	21.06	20.78	19.36	18.67	19.77	20.66	21.93	24.64	33.73	38.69	39.14	40.43	37.37	26.51	24.32
23798	0.15	0.11	0.12	0.13	0.13	0.13	0.11	0.17	0.21	0.28	0.24	0.25	0.27	0.26	0.27	0.24	0.31	0.39	0.62	1.20	1.26	1.19	0.88	0.48
	-22.78	-21.86	-21.24	-20.15	-19.87	-18.75	-21.49	-18.04	-17.50	-15.75	-16.33	-14.60	-13.37	-14.85	-15.74	-17.08	-19.79	-27.70	-29.89	-22.92	-23.03	-19.63	-12.70	-15.77
ADK S GLENS___FALLS	25.64	24.04	23.48	22.54	22.31	21.35	23.73	21.32	21.39	21.05	20.77	19.33	18.64	19.74	20.61	21.90	24.60	33.67	38.56	38.98	40.28	37.24	26.41	24.26
24028	0.14	0.10	0.11	0.12	0.12	0.13	0.10	0.16	0.20	0.26	0.23	0.23	0.26	0.24	0.23	0.23	0.29	0.36	0.57	1.10	1.16	1.11	0.81	0.45
	-22.76	-21.84	-21.22	-20.13	-19.85	-18.74	-21.50	-18.05	-17.51	-15.75	-16.34	-14.58	-13.36	-14.83	-15.73	-17.07	-19.77	-27.67	-29.82	-22.86	-22.97	-19.59	-12.67	-15.73
ADK_NYS___DAM	24.70	23.14	22.60	21.71	21.49	20.59	22.82	20.55	20.66	20.39	20.08	18.71	18.08	19.10	19.94	21.19	23.72	32.43	36.89	37.54	38.96	36.14	25.72	23.56
23527	0.12	0.09	0.09	0.11	0.11	0.12	0.10	0.16	0.20	0.26	0.21	0.23	0.25	0.22	0.22	0.22	0.22	0.27	0.39	0.72	0.76	0.79	0.63	0.38
	-21.83	-20.95	-20.36	-19.31	-19.05	-17.98	-20.60	-17.30	-16.78	-15.09	-15.66	-13.98	-12.80	-14.22	-15.07	-16.36	-18.95	-26.52	-28.32	-21.80	-22.05	-18.80	-12.16	-15.10
AIR_PRODUCTS___DRP	24.73	23.18	22.64	21.74	21.52	20.60	22.84	20.55	20.64	20.37	20.07	18.70	18.06	19.09	19.94	21.18	23.71	32.43	37.23	37.68	38.94	36.10	25.68	23.54
24190	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.13	0.16	0.22	0.19	0.20	0.22	0.20	0.20	0.20	0.20	0.24	0.37	0.68	0.71	0.73	0.57	0.34
	-21.88	-20.99	-20.40	-19.35	-19.09	-18.01	-20.63	-17.32	-16.80	-15.11	-15.68	-13.99	-12.82	-14.23	-15.09	-16.38	-18.97	-26.55	-28.69	-21.99	-22.09	-18.83	-12.18	-15.13
AKWESSNE_115KV_BK	2.68	2.04	2.08	2.22	2.27	2.42	2.06	3.01	3.57	4.89	4.08	4.38	4.89	4.53	4.51	4.46	4.41	5.46	7.90	14.51	15.63	16.03	12.54	7.86
355683	-0.07	-0.06	-0.06	-0.07	-0.07	-0.07	-0.06	-0.09	-0.11	-0.15	-0.12	-0.13	-0.14	-0.14	-0.14	-0.14	-0.14	-0.18	-0.28	-0.51	-0.52	-0.51	-0.39	-0.22
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	24.73	23.18	22.64	21.74	21.52	20.60	22.84	20.55	20.64	20.37	20.07	18.70	18.06	19.09	19.94	21.18	23.71	32.43	37.23	37.68	38.94	36.10	25.68	23.54
23571	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.13	0.16	0.22	0.19	0.20	0.22	0.20	0.20	0.20	0.20	0.24	0.37	0.68	0.71	0.73	0.57	0.34
	-21.88	-20.99	-20.40	-19.35	-19.09	-18.01	-20.63	-17.32	-16.80	-15.11	-15.68	-13.99	-12.82	-14.23	-15.09	-16.38	-18.97	-26.55	-28.69	-21.99	-22.09	-18.83	-12.18	-15.13
ALBANY___2	24.73	23.18	22.64	21.74	21.52	20.60	22.84	20.55	20.64	20.37	20.07	18.70	18.06	19.09	19.94	21.18	23.71	32.43	37.23	37.68	38.94	36.10	25.68	23.54
23572	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.13	0.16	0.22	0.19	0.20	0.22	0.20	0.20	0.20	0.20	0.24	0.37	0.68	0.71	0.73	0.57	0.34
	-21.88	-20.99	-20.40	-19.35	-19.09	-18.01	-20.63	-17.32	-16.80	-15.11	-15.68	-13.99	-12.82	-14.23	-15.09	-16.38	-18.97	-26.55	-28.69	-21.99	-22.09	-18.83	-12.18	-15.13
ALBANY___3	24.73	23.18	22.64	21.74	21.52	20.60	22.84	20.55	20.64	20.37	20.07	18.70	18.06	19.09	19.94	21.18	23.71	32.43	37.23	37.68	38.94	36.10	25.68	23.54
23573	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.13	0.16	0.22	0.19	0.20	0.22	0.20	0.20	0.20	0.20	0.24	0.37	0.68	0.71	0.73	0.57	0.34
	-21.88	-20.99	-20.40	-19.35	-19.09	-18.01	-20.63	-17.32	-16.80	-15.11	-15.68	-13.99	-12.82	-14.23	-15.09	-16.38	-18.97	-26.55	-28.69	-21.99	-22.09	-18.83	-12.18	-15.13

ALBANY___4 23574	24.73 0.11 -21.88	23.18 0.09 -20.99	22.64 0.09 -20.40	21.74 0.10 -19.35	21.52 0.10 -19.09	20.60 0.10 -18.01	22.84 0.09 -20.63	20.55 0.13 -17.32	20.64 0.16 -16.80	20.37 0.22 -15.11	20.07 0.19 -15.68	18.70 0.20 -13.99	18.06 0.22 -12.82	19.09 0.20 -14.23	19.94 0.20 -15.09	21.18 0.20 -16.38	23.71 0.20 -18.97	32.43 0.24 -26.55	37.23 0.37 -28.69	37.68 0.68 -21.99	38.94 0.71 -22.09	36.10 0.73 -18.83	25.68 0.57 -12.18	23.54 0.34 -15.13
ALBANY___LFGE 323615	25.14 0.13 -22.27	23.56 0.10 -21.37	23.01 0.10 -20.77	22.09 0.11 -19.69	21.87 0.11 -19.43	20.94 0.12 -18.33	23.23 0.10 -21.01	20.89 0.15 -17.64	20.97 0.18 -17.11	20.68 0.25 -15.39	20.38 0.21 -15.96	18.99 0.23 -14.25	18.33 0.25 -13.05	19.39 0.23 -14.50	20.25 0.23 -15.37	21.52 0.23 -16.68	24.10 0.24 -19.32	32.97 0.29 -27.04	37.82 0.43 -29.22	38.21 0.80 -22.40	39.49 0.86 -22.49	36.57 0.86 -19.17	25.99 0.66 -12.40	23.86 0.39 -15.40
ALCOA_PA_115KV_PL-6C 55860	2.69 -0.06 0.00	2.05 -0.05 0.00	2.18 -0.06 -0.09	2.33 -0.06 -0.10	2.37 -0.06 -0.10	2.53 -0.06 -0.10	2.16 -0.06 -0.09	3.15 -0.08 -0.13	3.72 -0.10 -0.14	5.08 -0.13 -0.17	4.10 -0.11 0.00	4.40 -0.11 0.00	4.91 -0.12 0.00	4.54 -0.12 0.00	4.52 -0.13 0.00	4.47 -0.14 0.00	4.41 -0.13 0.00	5.47 -0.17 0.00	7.90 -0.27 0.00	14.54 -0.48 0.00	15.68 -0.47 0.00	16.10 -0.45 0.00	12.60 -0.32 0.00	7.89 -0.19 0.00
ALCOA_RYNLDS___DRP 24188	2.69 -0.06 0.00	2.05 -0.05 0.00	2.18 -0.06 -0.09	2.33 -0.06 -0.10	2.37 -0.06 -0.10	2.53 -0.06 -0.10	2.16 -0.06 -0.09	3.15 -0.08 -0.13	3.72 -0.10 -0.14	5.08 -0.13 -0.17	4.10 -0.11 0.00	4.40 -0.11 0.00	4.91 -0.12 0.00	4.54 -0.12 0.00	4.52 -0.13 0.00	4.47 -0.14 0.00	4.41 -0.13 0.00	5.47 -0.17 0.00	7.90 -0.27 0.00	14.54 -0.48 0.00	15.68 -0.47 0.00	16.10 -0.45 0.00	12.60 -0.32 0.00	7.89 -0.19 0.00
ALCOA___DSASP 323711	2.69 -0.06 0.00	2.05 -0.05 0.00	2.18 -0.06 -0.09	2.33 -0.06 -0.10	2.37 -0.06 -0.10	2.53 -0.06 -0.10	2.16 -0.06 -0.09	3.15 -0.08 -0.13	3.72 -0.10 -0.14	5.08 -0.13 -0.17	4.10 -0.11 0.00	4.40 -0.11 0.00	4.91 -0.12 0.00	4.54 -0.12 0.00	4.51 -0.14 0.00	4.47 -0.14 0.00	4.41 -0.13 0.00	5.47 -0.17 0.00	7.90 -0.27 0.00	14.54 -0.48 0.00	15.68 -0.47 0.00	16.10 -0.45 0.00	12.60 -0.32 0.00	7.89 -0.19 0.00
ALLEGHENY___COGEN 23514	6.05 0.17 -3.13	5.22 0.12 -3.01	5.21 0.14 -2.92	5.21 0.15 -2.77	5.22 0.15 -2.73	5.23 0.17 -2.58	5.22 0.14 -2.95	5.78 0.19 -2.48	6.24 0.15 -2.41	7.35 0.15 -2.17	6.56 0.11 -2.25	6.62 0.10 -2.00	6.96 0.10 -1.84	6.79 0.09 -2.04	6.94 0.13 -2.16	7.06 0.11 -2.35	7.44 0.18 -2.72	9.73 0.28 -3.80	12.89 0.58 -4.14	19.44 1.26 -3.16	20.67 1.36 -3.16	20.65 1.41 -2.70	15.72 1.05 -1.74	10.86 0.62 -2.17
ALTAMONT_115KV_TB 2 55880	24.78 0.10 -21.93	23.22 0.08 -21.05	22.68 0.08 -20.46	21.78 0.09 -19.40	21.56 0.09 -19.14	20.64 0.09 -18.06	23.50 0.09 -21.28	21.11 0.14 -17.87	21.18 0.17 -17.33	20.85 0.22 -15.60	20.57 0.19 -16.17	19.14 0.19 -14.44	18.46 0.21 -13.22	19.55 0.20 -14.68	20.42 0.20 -15.57	21.70 0.20 -16.90	24.33 0.21 -19.57	33.32 0.28 -27.39	37.33 0.33 -28.83	37.70 0.60 -22.08	38.94 0.65 -22.15	36.09 0.66 -18.88	25.64 0.50 -12.22	23.54 0.30 -15.17
ALTONA_WT_PWR 323606	2.64 -0.11 0.00	1.97 -0.12 0.00	-0.53 -0.15 2.52	-0.53 -0.16 2.66	-0.54 -0.17 2.71	-0.53 -0.18 2.84	-0.54 -0.15 2.51	-0.53 -0.21 3.42	-0.53 -0.25 3.96	0.05 -0.34 4.65	3.94 -0.27 0.00	4.26 -0.25 0.00	4.77 -0.26 0.00	4.43 -0.23 0.00	4.45 -0.20 0.00	4.36 -0.25 0.00	4.32 -0.22 0.00	5.39 -0.25 0.00	7.84 -0.34 0.00	14.45 -0.57 0.00	15.60 -0.55 0.00	16.01 -0.53 0.00	12.60 -0.32 0.00	7.95 -0.13 0.00
AMERICAN_REF_FUEL 24010	5.77 -0.05 -3.08	5.02 -0.03 -2.95	5.04 0.03 -2.87	5.04 0.03 -2.72	5.04 0.02 -2.69	5.05 0.02 -2.53	5.02 -0.01 -2.90	5.49 -0.05 -2.44	5.98 -0.07 -2.37	7.05 -0.12 -2.13	6.33 -0.08 -2.21	6.39 -0.09 -1.97	6.72 -0.11 -1.80	6.57 -0.09 -2.00	6.65 -0.13 -2.12	6.81 -0.10 -2.31	7.09 -0.12 -2.67	9.24 -0.14 -3.74	12.09 -0.16 -4.07	17.63 -0.50 -3.11	18.59 -0.66 -3.11	18.60 -0.59 -2.65	14.06 -0.58 -1.71	9.96 -0.24 -2.13
ARKWRIGHT___SUMMIT_WT_PWR 323751	6.11 -0.05 -3.41	5.34 -0.03 -3.27	5.33 0.00 -3.18	5.31 0.00 -3.02	5.32 0.00 -2.98	5.31 0.01 -2.81	5.35 0.01 -3.22	5.84 0.03 -2.70	6.36 0.06 -2.62	7.45 0.05 -2.36	6.71 0.06 -2.45	6.77 0.07 -2.18	7.08 0.05 -2.00	6.94 0.06 -2.22	7.03 0.02 -2.35	7.20 0.04 -2.56	7.57 0.07 -2.96	9.89 0.10 -4.14	12.89 0.20 -4.51	18.64 0.18 -3.45	19.69 0.10 -3.44	19.70 0.21 -2.94	14.88 0.05 -1.90	10.57 0.14 -2.36
ARTHUR_KILL_GT_1 23520	20.61 0.21 -17.65	19.18 0.16 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.16 0.14 -14.53	18.87 0.11 -16.64	17.24 0.17 -13.97	17.45 0.22 -13.55	17.56 0.33 -12.19	17.12 0.27 -12.64	16.10 0.30 -11.28	15.71 0.35 -10.33	16.47 0.33 -11.48	17.17 0.35 -12.17	18.15 0.33 -13.21	20.14 0.30 -15.30	27.47 0.41 -21.42	32.33 0.57 -23.59	33.97 1.01 -17.95	35.02 1.07 -17.81	32.85 1.13 -15.18	23.57 0.81 -9.83	20.83 0.56 -12.20
ARTHUR_KILL_2 23512	20.60 0.21 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.16 0.14 -14.53	18.87 0.10 -16.64	17.23 0.16 -13.97	17.45 0.22 -13.55	17.55 0.32 -12.19	17.12 0.27 -12.64	16.09 0.29 -11.28	15.70 0.34 -10.33	16.46 0.32 -11.48	17.16 0.34 -12.17	18.13 0.32 -13.21	20.13 0.29 -15.30	27.45 0.39 -21.42	32.31 0.55 -23.59	33.93 0.96 -17.95	34.97 1.02 -17.81	32.80 1.07 -15.18	23.54 0.79 -9.83	20.81 0.53 -12.20
ARTHUR_KILL_3 23513	20.58 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.03 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.32 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.45 -21.43	32.34 0.57 -23.59	33.96 0.99 -17.96	35.03 1.07 -17.81	32.86 1.13 -15.19	23.66 0.90 -9.83	20.81 0.53 -12.20
ARTHUR_KILL_COGEN 323718	20.61 0.21 -17.65	19.18 0.16 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.16 0.14 -14.53	18.87 0.11 -16.64	17.24 0.17 -13.97	17.45 0.22 -13.55	17.56 0.33 -12.19	17.12 0.27 -12.64	16.10 0.30 -11.28	15.71 0.35 -10.33	16.47 0.33 -11.48	17.17 0.35 -12.17	18.15 0.33 -13.21	20.14 0.30 -15.30	27.47 0.41 -21.42	32.33 0.57 -23.59	33.97 1.01 -17.95	35.02 1.07 -17.81	32.85 1.13 -15.18	23.57 0.81 -9.83	20.83 0.56 -12.20
ASHOKAN____ 23654	22.28 0.07 -19.47	20.82 0.04 -18.68	20.34 0.04 -18.16	19.55 0.04 -17.22	19.36 0.04 -16.99	18.57 0.05 -16.03	20.53 0.04 -18.37	18.59 0.06 -15.42	18.72 0.08 -14.96	18.59 0.09 -13.46	18.22 0.05 -13.96	17.03 0.07 -12.45	16.49 0.06 -11.41	17.39 0.06 -12.66	18.14 0.06 -13.43	19.25 0.07 -14.57	21.50 0.07 -16.88	29.40 0.13 -23.63	34.20 0.30 -25.72	35.25 0.57 -19.66	36.44 0.65 -19.64	33.89 0.59 -16.75	24.19 0.43 -10.84	21.74 0.21 -13.45

ASTORIA_EAST_ENERGY_CC1 323581	20.50 0.12 -17.64	19.10 0.08 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.37 0.23 -11.48	17.07 0.25 -12.17	18.05 0.23 -13.21	20.05 0.20 -15.30	27.34 0.28 -21.42	32.13 0.37 -23.59	33.60 0.63 -17.95	34.63 0.68 -17.81	32.45 0.73 -15.18	23.29 0.54 -9.82	20.58 0.31 -12.19
ASTORIA_EAST_ENERGY_CC2 323582	20.50 0.12 -17.64	19.10 0.08 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.37 0.23 -11.48	17.07 0.25 -12.17	18.05 0.23 -13.21	20.05 0.20 -15.30	27.34 0.28 -21.42	32.13 0.37 -23.59	33.60 0.63 -17.95	34.63 0.68 -17.81	32.45 0.73 -15.18	23.29 0.54 -9.82	20.58 0.31 -12.19
ASTORIA_GT2_1 24094	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT2_2 24095	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT2_3 24096	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT2_4 24097	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT3_1 24098	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT3_2 24099	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT3_3 24100	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT3_4 24101	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT4_1 24102	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT4_2 24103	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT4_3 24104	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT4_4 24105	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA_GT_1 23523	20.51 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.81 0.08 -15.39	17.10 0.09 -14.52	18.84 0.08 -16.64	17.20 0.12 -13.97	17.41 0.17 -13.55	17.49 0.26 -12.19	17.06 0.21 -12.64	16.02 0.23 -11.28	15.62 0.26 -10.33	16.38 0.24 -11.48	17.08 0.26 -12.17	18.06 0.24 -13.21	20.06 0.21 -15.30	27.35 0.29 -21.42	32.14 0.38 -23.59	33.64 0.68 -17.95	34.68 0.73 -17.81	32.50 0.78 -15.18	23.31 0.57 -9.82	20.60 0.33 -12.19

ASTORIA_GT_10 24110	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
ASTORIA_GT_11 24225	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
ASTORIA_GT_12 24226	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
ASTORIA_GT_13 24227	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
ASTORIA_GT_5 24106	20.51 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.81 0.08 -15.39	17.10 0.09 -14.52	18.84 0.08 -16.64	17.20 0.12 -13.97	17.41 0.17 -13.55	17.49 0.26 -12.19	17.06 0.21 -12.64	16.02 0.23 -11.28	15.62 0.26 -10.33	16.38 0.24 -11.48	17.08 0.26 -12.17	18.06 0.24 -13.21	20.06 0.21 -15.30	27.35 0.29 -21.42	32.14 0.38 -23.59	33.64 0.68 -17.95	34.68 0.73 -17.81	32.50 0.78 -15.18	23.31 0.57 -9.82	20.60 0.33 -12.19
ASTORIA_GT_7 24107	20.51 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.81 0.08 -15.39	17.10 0.09 -14.52	18.84 0.08 -16.64	17.20 0.12 -13.97	17.41 0.17 -13.55	17.49 0.26 -12.19	17.06 0.21 -12.64	16.02 0.23 -11.28	15.62 0.26 -10.33	16.38 0.24 -11.48	17.08 0.26 -12.17	18.06 0.24 -13.21	20.06 0.21 -15.30	27.35 0.29 -21.42	32.14 0.38 -23.59	33.64 0.68 -17.95	34.68 0.73 -17.81	32.50 0.78 -15.18	23.31 0.57 -9.82	20.60 0.33 -12.19
ASTORIA_GT_8 24108	20.51 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.81 0.08 -15.39	17.10 0.09 -14.52	18.84 0.08 -16.64	17.20 0.12 -13.97	17.41 0.17 -13.55	17.49 0.26 -12.19	17.06 0.21 -12.64	16.02 0.23 -11.28	15.62 0.26 -10.33	16.38 0.24 -11.48	17.08 0.26 -12.17	18.06 0.24 -13.21	20.06 0.21 -15.30	27.35 0.29 -21.42	32.14 0.38 -23.59	33.64 0.68 -17.95	34.68 0.73 -17.81	32.50 0.78 -15.18	23.31 0.57 -9.82	20.60 0.33 -12.19
ASTORIA___2 24149	20.50 0.12 -17.64	19.11 0.09 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.40 0.17 -13.55	17.48 0.25 -12.19	17.05 0.20 -12.64	16.02 0.22 -11.28	15.61 0.25 -10.33	16.38 0.24 -11.48	17.07 0.25 -12.17	18.05 0.24 -13.21	20.05 0.20 -15.30	27.35 0.29 -21.42	32.13 0.37 -23.59	33.61 0.65 -17.95	34.65 0.69 -17.81	32.47 0.75 -15.18	23.30 0.56 -9.82	20.58 0.31 -12.19
ASTORIA___3 23516	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
ASTORIA___4 23517	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.42	32.37 0.60 -23.60	34.04 1.07 -17.96	35.08 1.11 -17.82	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
ASTORIA___5 23518	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
AST_ENERGY_2_CC3 323677	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.35 0.58 -23.59	34.00 1.02 -17.96	35.04 1.08 -17.81	32.87 1.14 -15.19	23.63 0.88 -9.83	20.81 0.53 -12.20
AST_ENERGY_2_CC4 323678	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.35 0.58 -23.59	34.00 1.02 -17.96	35.04 1.08 -17.81	32.87 1.14 -15.19	23.63 0.88 -9.83	20.81 0.53 -12.20
ATHENS_STG_1 23668	22.69 0.10 -19.84	21.21 0.08 -19.04	20.73 0.08 -18.50	19.92 0.08 -17.55	19.73 0.09 -17.31	18.92 0.09 -16.33	20.92 0.08 -18.72	18.93 0.11 -15.72	19.07 0.15 -15.25	18.96 0.21 -13.72	18.60 0.17 -14.23	17.39 0.18 -12.70	16.86 0.21 -11.63	17.77 0.19 -12.91	18.54 0.20 -13.69	19.65 0.19 -14.86	21.93 0.18 -17.21	29.96 0.23 -24.09	34.79 0.33 -26.29	35.69 0.60 -20.08	36.80 0.63 -20.03	34.28 0.66 -17.08	24.48 0.50 -11.05	22.08 0.29 -13.72
ATHENS_STG_2 23670	22.69 0.10 -19.84	21.21 0.08 -19.04	20.73 0.08 -18.50	19.92 0.08 -17.55	19.73 0.09 -17.31	18.92 0.09 -16.33	20.92 0.08 -18.72	18.93 0.11 -15.72	19.07 0.15 -15.25	18.96 0.21 -13.72	18.60 0.17 -14.23	17.39 0.18 -12.70	16.86 0.21 -11.63	17.77 0.19 -12.91	18.54 0.20 -13.69	19.65 0.19 -14.86	21.93 0.18 -17.21	29.96 0.23 -24.09	34.79 0.33 -26.29	35.69 0.60 -20.08	36.80 0.63 -20.03	34.28 0.66 -17.08	24.48 0.50 -11.05	22.08 0.29 -13.72

ATHENS_STG_3 23677	22.69 0.10 -19.84	21.21 0.08 -19.04	20.73 0.08 -18.50	19.92 0.08 -17.55	19.73 0.09 -17.31	18.92 0.09 -16.33	20.92 0.08 -18.72	18.93 0.11 -15.72	19.07 0.15 -15.25	18.96 0.21 -13.72	18.60 0.17 -14.23	17.39 0.18 -12.70	16.86 0.21 -11.63	17.77 0.19 -12.91	18.54 0.20 -13.69	19.65 0.19 -14.86	21.93 0.18 -17.21	29.96 0.23 -24.09	34.79 0.33 -26.29	35.69 0.60 -20.08	36.80 0.63 -20.03	34.28 0.66 -17.08	24.48 0.50 -11.05	22.08 0.29 -13.72
AUBURN___LFGE 323710	5.35 0.01 -2.59	4.60 0.02 -2.49	4.58 0.02 -2.42	4.60 0.02 -2.29	4.62 0.02 -2.26	4.64 0.02 -2.13	4.59 0.02 -2.44	5.19 0.04 -2.05	5.71 0.04 -1.99	6.87 0.04 -1.79	6.10 0.03 -1.86	6.20 0.03 -1.66	6.58 0.03 -1.52	6.37 0.02 -1.69	6.48 0.04 -1.79	6.58 0.04 -1.94	6.86 0.07 -2.25	8.90 0.11 -3.15	11.79 0.20 -3.42	18.02 0.39 -2.62	19.15 0.39 -2.62	19.16 0.38 -2.23	14.68 0.31 -1.44	10.02 0.15 -1.79
BABYLON_RES_REC 323704	29.52 0.25 -26.53	27.15 0.19 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.83 0.20 -23.29	21.34 0.22 -18.63	18.96 0.18 -16.65	20.99 0.27 -17.62	21.90 0.34 -17.88	22.91 0.47 -17.40	24.20 0.37 -19.62	26.10 0.40 -21.18	26.07 0.45 -20.59	27.86 0.42 -22.77	26.12 0.47 -21.00	31.12 0.42 -26.10	35.03 0.39 -30.09	44.74 0.55 -38.55	46.57 0.78 -37.62	47.63 1.40 -31.21	45.47 1.48 -27.84	39.43 1.55 -21.33	31.04 1.20 -16.91	25.39 0.73 -16.59
BABYLON__69_KV_BK2 356345	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.20 -24.44	25.54 0.21 -23.04	25.85 0.22 -23.29	21.36 0.24 -18.63	18.97 0.20 -16.65	21.01 0.30 -17.61	21.93 0.37 -17.87	22.96 0.52 -17.40	24.24 0.41 -19.62	26.14 0.44 -21.18	26.12 0.50 -20.59	27.90 0.47 -22.77	26.10 0.45 -21.00	31.17 0.46 -26.10	35.07 0.44 -30.09	44.79 0.60 -38.55	46.65 0.85 -37.62	47.76 1.53 -31.21	45.63 1.65 -27.84	39.58 1.70 -21.33	31.16 1.32 -16.91	25.45 0.79 -16.59
BARON_WINDS___WT_PWR 323822	7.05 -0.02 -4.33	6.24 -0.01 -4.15	6.19 0.01 -4.04	6.14 0.02 -3.83	6.13 0.02 -3.78	6.07 0.02 -3.56	6.22 0.01 -4.08	6.56 0.02 -3.43	7.04 0.03 -3.33	8.05 0.02 -2.99	7.34 0.03 -3.10	7.31 0.03 -2.77	7.58 0.02 -2.54	7.50 0.02 -2.82	7.65 0.01 -2.99	7.87 0.02 -3.24	8.32 0.02 -3.76	10.94 0.04 -5.26	14.02 0.12 -5.72	19.53 0.13 -4.37	20.60 0.08 -4.37	20.39 0.12 -3.73	15.35 0.01 -2.41	11.11 0.04 -2.99
BARRETT_IC_1 23704	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_10 23701	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_11 23702	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_12 23703	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_2 23705	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_3 23706	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_4 23707	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_5 23708	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_6 23709	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_7 23710	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59

BARRETT_IC_8 23711	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT_IC_9 23700	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT___1 23545	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BARRETT___2 23546	29.50 0.23 -26.53	27.14 0.18 -24.87	26.76 0.17 -24.44	25.51 0.18 -23.04	25.81 0.19 -23.29	21.33 0.20 -18.63	18.95 0.17 -16.65	20.97 0.25 -17.62	21.88 0.32 -17.88	22.90 0.46 -17.40	24.17 0.34 -19.62	26.05 0.36 -21.18	26.03 0.41 -20.59	27.81 0.37 -22.77	26.05 0.40 -21.00	31.08 0.37 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.38 1.16 -31.21	45.23 1.24 -27.84	39.16 1.29 -21.33	30.83 1.00 -16.91	25.27 0.61 -16.59
BATAVIA___115KV_TB1 55881	5.76 0.01 -3.00	5.01 0.04 -2.88	5.01 0.07 -2.80	5.01 0.07 -2.65	5.01 0.06 -2.62	5.02 0.06 -2.47	4.99 0.03 -2.83	5.49 0.02 -2.38	6.00 0.01 -2.31	7.09 -0.02 -2.07	6.34 -0.01 -2.15	6.43 0.00 -1.92	6.76 -0.02 -1.75	6.60 -0.01 -1.95	6.73 0.01 -2.07	6.84 -0.01 -2.25	7.14 -0.02 -2.62	9.30 -0.01 -3.66	12.23 0.07 -3.99	18.02 -0.05 -3.05	19.03 -0.16 -3.05	19.06 -0.08 -2.60	14.41 -0.19 -1.68	10.15 -0.01 -2.09
BAYONEEC___CTG1 323682	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.43	32.36 0.60 -23.59	34.02 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.67 0.92 -9.83	20.82 0.54 -12.20
BAYONEEC___CTG10 323750	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.43	32.36 0.60 -23.59	34.02 1.05 -17.96	35.07 1.11 -17.81	32.9		

BEACON___LESR 323632	24.72 0.14 -21.84	23.15 0.10 -20.95	22.62 0.11 -20.37	21.72 0.12 -19.31	21.51 0.12 -19.05	20.59 0.13 -17.98	22.83 0.11 -20.60	20.56 0.16 -17.30	20.66 0.19 -16.78	20.39 0.26 -15.10	20.09 0.23 -15.66	18.72 0.24 -13.97	18.08 0.26 -12.79	19.11 0.25 -14.21	19.96 0.24 -15.06	21.19 0.24 -16.35	23.73 0.25 -18.94	32.45 0.30 -26.50	37.25 0.47 -28.61	37.82 0.87 -21.93	39.10 0.92 -22.04	36.26 0.93 -18.79	25.79 0.71 -12.15	23.59 0.42 -15.09
BEAVER RIVER___HYD 24048	3.57 -0.02 -0.84	2.90 -0.01 -0.81	3.05 -0.03 -0.94	3.17 -0.03 -0.91	3.21 -0.03 -0.90	3.33 -0.03 -0.87	3.05 -0.02 -0.95	3.95 -0.03 -0.87	4.51 -0.06 -0.89	5.85 -0.05 -0.86	4.75 -0.06 -0.60	4.97 -0.08 -0.54	5.43 -0.10 -0.49	5.11 -0.10 -0.55	5.12 -0.12 -0.58	5.14 -0.10 -0.63	5.18 -0.10 -0.73	6.58 -0.08 -1.02	9.21 -0.08 -1.12	15.90 0.03 -0.85	17.08 0.08 -0.85	17.37 0.10 -0.73	13.50 0.10 -0.47	8.69 0.03 -0.58
BEEBEE_GT_13 23619	5.24 0.01 -2.48	4.49 0.02 -2.38	4.48 0.03 -2.31	4.51 0.03 -2.19	4.52 0.03 -2.16	4.56 0.03 -2.04	4.48 0.02 -2.34	5.10 0.03 -1.96	5.62 0.03 -1.90	6.78 0.03 -1.71	6.01 0.03 -1.78	6.13 0.04 -1.59	6.51 0.03 -1.45	6.31 0.03 -1.61	6.41 0.05 -1.71	6.50 0.04 -1.86	6.74 0.04 -2.16	8.72 0.06 -3.02	11.59 0.13 -3.29	17.68 0.15 -2.51	18.75 0.10 -2.51	18.83 0.15 -2.14	14.35 0.04 -1.38	9.85 0.06 -1.72
BENSHRST_27_KV_BENSHRST_1 355998	20.61 0.22 -17.65	19.19 0.16 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.89 0.16 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.63 0.40 -12.20	17.18 0.32 -12.65	16.16 0.36 -11.29	15.78 0.41 -10.34	16.53 0.39 -11.48	17.22 0.40 -12.18	18.21 0.39 -13.22	20.20 0.35 -15.31	27.55 0.48 -21.42	32.42 0.65 -23.60	34.15 1.17 -17.96	35.19 1.23 -17.82	33.04 1.31 -15.19	23.68 0.93 -9.83	20.87 0.59 -12.20
BETHLEHEM___GRP 23843	24.73 0.11 -21.88	23.18 0.09 -20.99	22.64 0.09 -20.40	21.74 0.10 -19.35	21.52 0.10 -19.09	20.60 0.10 -18.01	22.84 0.09 -20.63	20.55 0.13 -17.32	20.64 0.16 -16.80	20.37 0.22 -15.11	20.07 0.19 -15.68	18.70 0.20 -13.99	18.06 0.22 -12.82	19.09 0.20 -14.23	19.94 0.20 -15.09	21.18 0.20 -16.38	23.71 0.20 -18.97	32.43 0.24 -26.55	37.23 0.37 -28.69	37.68 0.68 -21.99	38.94 0.71 -22.09	36.10 0.73 -18.83	25.68 0.57 -12.18	23.54 0.34 -15.13
BETHLEHEM___GS1 323560	24.73 0.11 -21.88	23.17 0.09 -20.99	22.64 0.09 -20.40	21.74 0.10 -19.35	21.52 0.10 -19.09	20.60 0.10 -18.01	22.85 0.09 -20.64	20.56 0.13 -17.33	20.65 0.16 -16.81	20.38 0.22 -15.12	20.08 0.18 -15.69	18.70 0.20 -13.99	18.06 0.22 -12.82	19.09 0.20 -14.23	19.94 0.20 -15.09	21.18 0.20 -16.38	23.71 0.20 -18.97	32.43 0.24 -26.55	37.21 0.37 -28.67	37.67 0.68 -21.98	38.93 0.71 -22.07	36.09 0.73 -18.82	25.67 0.57 -12.18	23.53 0.34 -15.12
BETHLEHEM___GS2 323561	24.73 0.11 -21.88	23.17 0.09 -20.99	22.64 0.09 -20.40	21.74 0.10 -19.35	21.52 0.10 -19.09	20.60 0.10 -18.01	22.85 0.09 -20.64	20.56 0.13 -17.33	20.65 0.16 -16.81	20.38 0.22 -15.12	20.08 0.18 -15.69	18.70 0.20 -13.99	18.06 0.22 -12.82	19.09 0.20 -14.23	19.94 0.20 -15.09	21.18 0.20 -16.38	23.71 0.20 -18.97	32.43 0.24 -26.55	37.21 0.37 -28.67	37.67 0.68 -21.98	38.93 0.71 -22.07	36.09 0.73 -18.82	25.67 0.57 -12.18	23.53 0.34 -15.12
BETHLEHEM___GS3 323562	24.73 0.11 -21.88	23.17 0.09 -20.99	22.64 0.09 -20.40	21.74 0.10 -19.35	21.52 0.10 -19.09	20.60 0.10 -18.01	22.85 0.09 -20.64	20.56 0.13 -17.33	20.65 0.16 -16.81	20.38 0.22 -15.12	20.08 0.18 -15.69	18.70 0.20 -13.99	18.06 0.22 -12.82	19.09 0.20 -14.23	19.94 0.20 -15.09	21.18 0.20 -16.38	23.71 0.20 -18.97	32.43 0.24 -26.55	37.21 0.37 -28.67	37.67 0.68 -21.98	38.93 0.71 -22.07	36.09 0.73 -18.82	25.67 0.57 -12.18	23.53 0.34 -15.12
BETHLEHEM___STEEL 23779	6.03 -0.02 -3.30	5.27 0.01 -3.17	5.25 0.03 -3.08	5.24 0.03 -2.92	5.24 0.03 -2.88	5.23 0.03 -2.72	5.25 0.01 -3.11	5.73 0.02 -2.61	6.23 0.02 -2.54	7.32 0.00 -2.28	6.58 0.01 -2.37	6.64 0.02 -2.11	6.96 0.00 -1.93	6.82 0.01 -2.14	6.95 0.03 -2.27	7.09 0.01 -2.47	7.44 0.00 -2.89	9.71 0.02 -4.04	12.66 0.09 -4.40	18.35 -0.03 -3.36	19.38 -0.13 -3.36	19.34 -0.07 -2.87	14.60 -0.18 -1.85	10.36 -0.02 -2.30
BETHLHEM_115KV_TB1 79974	24.73 0.11 -21.87	23.17 0.09 -20.99	22.63 0.09 -20.40	21.73 0.10 -19.34	21.51 0.10 -19.08	20.60 0.10 -18.00	22.83 0.09 -20.62	20.54 0.13 -17.31	20.63 0.16 -16.79	20.36 0.21 -15.11	20.06 0.18 -15.67	18.69 0.19 -13.99	18.05 0.21 -12.81	19.08 0.20 -14.22	19.92 0.19 -15.08	21.17 0.19 -16.37	23.70 0.20 -18.96	32.42 0.24 -26.53	37.22 0.36 -28.69	37.67 0.66 -21.99	38.92 0.69 -22.08	36.08 0.71 -18.82	25.66 0.56 -12.18	23.53 0.33 -15.12
BETHPAGE_CC_5 323564	29.52 0.24 -26.53	27.15 0.18 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.82 0.20 -23.29	21.34 0.21 -18.63	18.96 0.18 -16.65	20.99 0.27 -17.62	21.90 0.34 -17.88	22.92 0.48 -17.40	24.21 0.38 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.87 0.43 -22.77	26.12 0.47 -21.00	31.13 0.42 -26.10	35.02 0.39 -30.09	44.72 0.52 -38.55	46.53 0.74 -37.62	47.55 1.32 -31.21	45.41 1.42 -27.84	39.35 1.47 -21.33	31.00 1.16 -16.91	25.37 0.71 -16.59
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	6.06 -0.02 -3.34	5.30 0.00 -3.20	5.28 0.02 -3.11	5.27 0.03 -2.95	5.27 0.02 -2.91	5.26 0.02 -2.75	5.28 0.01 -3.15	5.76 0.01 -2.64	6.26 0.01 -2.56	7.33 -0.01 -2.31	6.60 0.00 -2.39	6.66 0.01 -2.14	6.97 -0.01 -1.95	6.83 0.00 -2.17	6.97 0.02 -2.30	7.11 0.00 -2.50	7.46 0.00 -2.92	9.74 0.01 -4.08	12.69 0.07 -4.45	18.36 -0.06 -3.40	19.38 -0.16 -3.40	19.36 -0.08 -2.90	14.61 -0.19 -1.87	10.37 -0.03 -2.33
BINGHAMTON___COGEN 23790	8.69 0.04 -5.90	7.80 0.04 -5.66	7.69 0.04 -5.51	7.55 0.04 -5.22	7.53 0.04 -5.15	7.40 0.05 -4.86	7.73 0.04 -5.57	7.84 0.06 -4.68	8.28 0.07 -4.54	9.20 0.08 -4.08	8.51 0.07 -4.23	8.36 0.07 -3.78	8.56 0.07 -3.46	8.57 0.07 -3.84	8.80 0.07 -4.07	9.10 0.07 -4.42	9.73 0.07 -5.12	12.91 0.11 -7.16	16.15 0.18 -7.79	21.30 0.33 -5.96	22.42 0.32 -5.95	21.95 0.33 -5.08	16.44 0.23 -3.28	12.28 0.13 -4.08
BIXINCNT_115KV_LOAD 355685	6.18 -0.07 -3.51	5.42 -0.04 -3.36	5.40 -0.01 -3.27	5.39 0.00 -3.10	5.39 0.00 -3.06	5.37 0.00 -2.89	5.43 -0.01 -3.31	5.87 -0.01 -2.78	6.38 0.00 -2.69	7.44 -0.02 -2.42	6.71 -0.01 -2.51	6.75 0.00 -2.24	7.05 -0.03 -2.05	6.93 -0.01 -2.28	7.07 0.00 -2.42	7.21 -0.02 -2.63	7.58 -0.02 -3.06	9.91 -0.01 -4.28	12.90 0.07 -4.66	18.56 -0.02 -3.56	19.62 -0.08 -3.56	19.56 -0.02 -3.03	14.75 -0.14 -1.96	10.50 -0.02 -2.44
BLACK RIVER___HYD 24047	3.91 0.00 -1.16	3.23 0.02 -1.12	3.33 -0.01 -1.19	3.42 -0.01 -1.14	3.46 0.00 -1.13	3.56 0.00 -1.08	3.32 0.00 -1.20	4.16 -0.01 -1.07	4.71 -0.03 -1.06	6.01 -0.03 -1.00	5.01 -0.03 -0.83	5.20 -0.06 -0.74	5.63 -0.08 -0.68	5.34 -0.08 -0.76	5.36 -0.10 -0.80	5.40 -0.07 -0.87	5.49 -0.06 -1.01	7.02 -0.03 -1.41	9.72 0.01 -1.54	16.45 0.26 -1.18	17.66 0.34 -1.17	17.84 0.30 -1.00	13.83 0.26 -0.65	8.99 0.11 -0.80

BLACKRVR_115KV_TB2 79977	3.91 0.00 -1.16	3.21 0.00 -1.12	3.33 -0.01 -1.19	3.42 -0.01 -1.14	3.46 0.00 -1.13	3.56 0.00 -1.08	3.32 0.00 -1.20	4.16 -0.01 -1.07	4.71 -0.03 -1.06	6.01 -0.03 -1.00	5.01 -0.03 -0.83	5.20 -0.06 -0.74	5.63 -0.08 -0.68	5.34 -0.08 -0.76	5.37 -0.09 -0.80	5.40 -0.07 -0.87	5.49 -0.06 -1.01	7.02 -0.03 -1.41	9.72 0.01 -1.54	16.45 0.26 -1.18	17.66 0.34 -1.17	17.84 0.30 -1.00	13.83 0.26 -0.65	8.99 0.11 -0.80
BLISS_WT_PWR 323608	6.16 -0.09 -3.51	5.39 -0.06 -3.36	5.38 -0.03 -3.27	5.38 -0.01 -3.10	5.38 -0.01 -3.06	5.36 -0.01 -2.89	5.42 -0.01 -3.31	5.86 -0.02 -2.78	6.37 0.00 -2.69	7.43 -0.03 -2.42	6.69 -0.03 -2.51	6.74 -0.02 -2.24	7.04 -0.03 -2.05	6.92 -0.02 -2.28	7.03 -0.04 -2.42	7.20 -0.03 -2.63	7.56 -0.03 -3.04	9.89 -0.01 -4.26	12.86 0.06 -4.63	18.54 -0.01 -3.54	19.60 -0.08 -3.54	19.56 0.00 -3.02	14.74 -0.14 -1.95	10.49 -0.01 -2.42
BLUE_CIRC_CHEM_DRP 24182	24.36 0.11 -21.50	22.82 0.09 -20.63	22.29 0.09 -20.06	21.41 0.10 -19.02	21.20 0.10 -18.76	20.30 0.11 -17.70	22.48 0.09 -20.26	20.25 0.13 -17.02	20.34 0.16 -16.50	20.10 0.21 -14.85	19.79 0.18 -15.40	18.45 0.19 -13.75	17.83 0.21 -12.59	18.84 0.20 -13.98	19.67 0.19 -14.82	20.89 0.19 -16.09	23.38 0.20 -18.64	31.97 0.24 -26.08	36.82 0.38 -28.27	37.36 0.69 -21.65	38.60 0.74 -21.71	35.80 0.74 -18.51	25.48 0.58 -11.98	23.29 0.35 -14.87
BOC_GAS_DRP 24189	24.67 0.09 -21.83	23.12 0.07 -20.95	22.58 0.08 -20.36	21.68 0.08 -19.31	21.46 0.08 -19.04	20.55 0.09 -17.97	22.76 0.07 -20.56	20.48 0.11 -17.27	20.57 0.14 -16.75	20.29 0.19 -15.07	19.99 0.16 -15.63	18.63 0.17 -13.95	17.99 0.19 -12.78	19.02 0.17 -14.19	19.86 0.17 -15.04	21.10 0.17 -16.33	23.62 0.17 -18.91	32.31 0.20 -26.47	37.17 0.30 -28.70	37.55 0.56 -21.98	38.77 0.58 -22.04	35.95 0.61 -18.79	25.55 0.47 -12.16	23.45 0.28 -15.09
BOONVILLE_115KV_TB1 79983	3.50 0.02 -0.74	2.82 0.01 -0.71	2.90 0.01 -0.75	3.01 0.01 -0.71	3.06 0.01 -0.71	3.18 0.01 -0.67	2.89 0.01 -0.75	3.79 0.02 -0.66	4.36 0.02 -0.62	5.70 0.05 -0.53	4.76 0.03 -0.47	4.99 0.01 -0.43	5.47 0.01 -0.48	5.15 0.00 -0.51	5.17 0.00 -0.51	5.17 0.01 -0.55	5.19 0.00 -0.64	6.57 0.03 -0.90	9.23 0.08 -0.97	16.03 0.27 -0.75	17.20 0.31 -0.74	17.48 0.30 -0.63	13.57 0.23 -0.41	8.70 0.11 -0.51
BORALEX_4TH_BRANCH 23824	24.70 0.12 -21.83	23.14 0.09 -20.95	22.60 0.09 -20.36	21.71 0.11 -19.31	21.49 0.11 -19.05	20.59 0.12 -17.98	22.82 0.10 -20.60	20.55 0.16 -17.30	20.66 0.20 -16.78	20.39 0.26 -15.09	20.08 0.21 -15.66	18.71 0.23 -13.98	18.08 0.25 -12.80	19.10 0.22 -14.22	19.94 0.22 -15.07	21.19 0.22 -16.36	23.72 0.22 -18.95	32.43 0.27 -26.52	36.89 0.39 -28.32	37.54 0.72 -21.80	38.96 0.76 -22.05	36.14 0.79 -18.80	25.72 0.63 -12.16	23.56 0.38 -15.10
BOWLINE___1 23526	20.00 0.16 -17.09	18.62 0.12 -16.40	18.20 0.12 -15.94	17.53 0.12 -15.12	17.38 0.13 -14.91	16.70 0.14 -14.07	18.37 0.11 -16.13	16.82 0.17 -13.54	17.04 0.23 -13.14	17.18 0.32 -11.82	16.72 0.26 -12.26	15.74 0.29 -10.94	15.37 0.32 -10.02	16.09 0.30 -11.13	16.76 0.32 -11.80	17.71 0.30 -12.80	19.65 0.28 -14.83	26.77 0.37 -20.76	31.55 0.52 -22.85	33.34 0.93 -17.39	34.39 0.99 -17.26	32.28 1.03 -14.71	23.22 0.78 -9.52	20.35 0.45 -11.82
BOWLINE___2 23595	20.01 0.16 -17.10	18.62 0.12 -16.41	18.20 0.12 -15.95	17.53 0.12 -15.12	17.38 0.13 -14.92	16.70 0.14 -14.08	18.37 0.11 -16.13	16.82 0.17 -13.54	17.05 0.23 -13.14	17.18 0.32 -11.82	16.72 0.26 -12.26	15.74 0.29 -10.94	15.37 0.32 -10.02	16.09 0.30 -11.13	16.77 0.32 -11.80	17.71 0.30 -12.80	19.66 0.28 -14.83	26.77 0.37 -20.76	31.55 0.52 -22.85	33.34 0.93 -17.39	34.39 0.99 -17.26	32.29 1.03 -14.71	23.22 0.78 -9.52	20.35 0.45 -11.82
BRADY___115KV_TB2 356060	2.70 -0.05 0.00	2.05 -0.05 0.00	2.28 -0.06 -0.20	2.44 -0.06 -0.21	2.49 -0.06 -0.21	2.65 -0.06 -0.22	2.27 -0.05 -0.20	3.29 -0.07 -0.27	3.89 -0.10 -0.31	5.27 -0.13 -0.36	4.10 -0.11 0.00	4.40 -0.11 0.00	4.90 -0.13 0.00	4.53 -0.13 0.00	4.50 -0.15 0.00	4.45 -0.15 0.00	4.40 -0.14 0.00	5.46 -0.19 0.00	7.90 -0.27 0.00	14.58 -0.44 0.00	15.76 -0.39 0.00	16.18 -0.36 0.00	12.68 -0.25 0.00	7.93 -0.15 0.00
BRANSCOMB___SOLAR 323811	25.46 0.13 -22.58	23.87 0.10 -21.67	23.31 0.10 -21.06	22.38 0.11 -19.98	22.15 0.11 -19.70	21.20 0.12 -18.59	23.53 0.10 -21.31	21.14 0.15 -17.89	21.21 0.17 -17.35	20.88 0.23 -15.61	20.60 0.20 -16.19	19.20 0.22 -14.47	18.52 0.24 -13.25	19.60 0.22 -14.72	20.48 0.22 -15.60	21.75 0.21 -16.93	24.41 0.25 -19.62	33.39 0.29 -27.45	38.23 0.46 -29.59	38.61 0.89 -22.70	39.94 0.97 -22.83	36.96 0.96 -19.46	26.24 0.72 -12.59	24.12 0.41 -15.63
BRENTWOD_69_KV_W. BRTWOOD 56703	29.53 0.25 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.61	21.91 0.35 -17.87	22.93 0.49 -17.40	24.21 0.38 -19.62	26.11 0.41 -21.18	26.09 0.47 -20.59	27.87 0.44 -22.77	26.07 0.42 -21.00	31.13 0.43 -26.10	35.02 0.40 -30.09	44.74 0.55 -38.55	46.58 0.78 -37.62	47.63 1.40 -31.21	45.47 1.49 -27.84	39.43 1.56 -21.33	31.05 1.21 -16.91	25.40 0.73 -16.59
BRISTLHL_115KV_TB1 79998	4.52 -0.03 -1.81	3.81 -0.02 -1.73	3.81 -0.02 -1.68	3.87 -0.02 -1.60	3.89 -0.02 -1.58	3.95 -0.02 -1.49	3.81 -0.02 -1.70	4.51 -0.03 -1.43	5.02 -0.04 -1.39	6.23 -0.06 -1.25	5.45 -0.05 -1.30	5.60 -0.06 -1.16	6.02 -0.07 -1.06	5.77 -0.07 -1.18	5.83 -0.07 -1.25	5.89 -0.06 -1.35	6.05 -0.06 -1.57	7.77 -0.06 -2.19	10.50 -0.07 -2.39	16.74 -0.11 -1.83	17.84 -0.13 -1.82	17.95 -0.15 -1.56	13.84 -0.09 -1.01	9.24 -0.08 -1.25
BROOKHAVEN___DRP 24191	29.53 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.53 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.61	21.92 0.36 -17.87	22.94 0.50 -17.40	24.21 0.39 -19.62	26.11 0.42 -21.18	26.09 0.47 -20.59	27.88 0.44 -22.77	26.06 0.41 -21.00	31.13 0.43 -26.10	35.02 0.40 -30.09	44.75 0.56 -38.55	46.59 0.79 -37.62	47.63 1.40 -31.21	45.47 1.49 -27.84	39.43 1.56 -21.33	31.00 1.16 -16.91	25.35 0.69 -16.59
BROOKLYN_NAVY_YARD 23515	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.19 0.36 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.59 -23.59	34.01 1.04 -17.96	35.07 1.11 -17.81	32.89 1.16 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
BROOKLYN___ARMY_DRP 323595	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.27 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.16 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.42	32.39 0.62 -23.60	34.09 1.11 -17.96	35.12 1.16 -17.82	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20

BROOKVLE_69_KV_TB1 55790	29.51 0.23 -26.53	27.14 0.17 -24.87	26.75 0.17 -24.44	25.51 0.18 -23.04	25.81 0.18 -23.29	21.32 0.20 -18.63	18.94 0.17 -16.65	20.97 0.25 -17.61	21.88 0.32 -17.87	22.89 0.45 -17.40	24.20 0.37 -19.62	26.10 0.40 -21.18	26.07 0.45 -20.59	27.86 0.42 -22.77	26.07 0.42 -21.00	31.13 0.42 -26.10	35.03 0.40 -30.09	44.70 0.51 -38.55	46.51 0.71 -37.62	47.51 1.28 -31.21	45.34 1.36 -27.84	39.28 1.41 -21.33	30.96 1.12 -16.91	25.33 0.67 -16.59
BROOME_2_LFGE 323671	8.69 0.04 -5.90	7.79 0.03 -5.66	7.69 0.04 -5.51	7.55 0.04 -5.22	7.53 0.04 -5.15	7.40 0.05 -4.86	7.73 0.04 -5.57	7.84 0.06 -4.68	8.28 0.07 -4.54	9.20 0.08 -4.08	8.51 0.07 -4.23	8.36 0.07 -3.78	8.56 0.07 -3.46	8.57 0.07 -3.84	8.79 0.07 -4.07	9.10 0.07 -4.42	9.73 0.07 -5.12	12.92 0.11 -7.17	16.16 0.18 -7.80	21.31 0.33 -5.96	22.43 0.32 -5.96	21.96 0.33 -5.08	16.45 0.23 -3.29	12.29 0.13 -4.08
BROOME__LFGE 323600	8.69 0.04 -5.90	7.79 0.03 -5.66	7.69 0.04 -5.51	7.55 0.04 -5.22	7.53 0.04 -5.15	7.40 0.05 -4.86	7.73 0.04 -5.57	7.84 0.06 -4.68	8.28 0.07 -4.54	9.20 0.08 -4.08	8.51 0.07 -4.23	8.36 0.07 -3.78	8.56 0.07 -3.46	8.57 0.07 -3.84	8.79 0.07 -4.07	9.10 0.07 -4.42	9.73 0.07 -5.12	12.92 0.11 -7.17	16.16 0.18 -7.80	21.31 0.33 -5.96	22.43 0.32 -5.96	21.96 0.33 -5.08	16.45 0.23 -3.29	12.29 0.13 -4.08
BROWNFLS_115KV_TB_3_5 80003	3.29 -0.05 -0.59	2.62 -0.05 -0.57	2.91 -0.05 -0.83	3.04 -0.06 -0.81	3.09 -0.06 -0.81	3.22 -0.06 -0.80	2.91 -0.05 -0.83	3.87 -0.07 -0.84	4.47 -0.10 -0.88	5.83 -0.12 -0.91	4.53 -0.11 -0.43	4.77 -0.12 -0.38	5.23 -0.14 -0.35	4.90 -0.15 -0.39	4.88 -0.18 -0.41	4.88 -0.18 -0.44	4.89 -0.16 -0.52	6.17 -0.19 -0.72	8.70 -0.26 -0.78	15.26 -0.36 -0.60	16.46 -0.29 -0.60	16.84 -0.22 -0.51	13.14 -0.12 -0.33	8.40 -0.08 -0.41
BROWNSV1_27_KV_LOAD 356125	20.61 0.21 -17.65	19.19 0.16 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.89 0.16 -15.40	17.19 0.17 -14.53	18.92 0.15 -16.65	17.30 0.22 -13.98	17.53 0.29 -13.56	17.65 0.42 -12.20	17.20 0.34 -12.65	16.18 0.37 -11.29	15.80 0.43 -10.34	16.54 0.40 -11.48	17.23 0.40 -12.18	18.22 0.40 -13.22	20.21 0.36 -15.31	27.55 0.49 -21.42	32.43 0.66 -23.59	34.16 1.19 -17.96	35.22 1.26 -17.82	33.06 1.32 -15.19	23.75 1.00 -9.83	20.87 0.60 -12.20
BURROWS__LYONSDAL 23803	3.51 0.01 -0.76	2.83 0.00 -0.73	2.93 0.00 -0.78	3.04 0.00 -0.75	3.08 0.00 -0.74	3.20 0.00 -0.71	2.92 0.00 -0.79	3.82 0.01 -0.70	4.38 0.00 -0.70	5.73 0.03 -0.67	4.76 0.01 -0.54	4.99 -0.01 -0.49	5.46 -0.01 -0.44	5.14 -0.01 -0.49	5.16 -0.02 -0.52	5.16 -0.01 -0.57	5.19 -0.01 -0.66	6.57 0.01 -0.92	9.23 0.05 -1.00	16.01 0.23 -0.77	17.19 0.27 -0.77	17.46 0.26 -0.65	13.55 0.21 -0.42	8.70 0.10 -0.52
CAITHNESS_CC_1 323624	29.53 0.25 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.97 0.19 -16.65	21.00 0.29 -17.62	21.91 0.35 -17.88	22.93 0.49 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.15 0.50 -21.00	31.12 0.41 -26.10	35.02 0.39 -30.09	44.73 0.54 -38.55	46.57 0.77 -37.62	47.58 1.35 -31.21	45.42 1.44 -27.84	39.38 1.51 -21.33	30.99 1.15 -16.91	25.34 0.68 -16.59
CALPINE BETH_PAGE_GT4 24209	29.52 0.25 -26.53	27.15 0.19 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.82 0.20 -23.29	21.34 0.21 -18.63	18.95 0.18 -16.65	20.99 0.27 -17.61	21.89 0.34 -17.87	22.92 0.48 -17.40	24.21 0.38 -19.62	26.11 0.41 -21.18	26.08 0.46 -20.59	27.87 0.43 -22.77	26.08 0.43 -21.00	31.13 0.42 -26.10	35.01 0.38 -30.09	44.70 0.51 -38.55	46.51 0.71 -37.62	47.52 1.29 -31.21	45.36 1.37 -27.84	39.30 1.42 -21.33	30.99 1.15 -16.91	25.37 0.71 -16.59
CALPINE_BETH_PAGE_GT_4 323586	29.52 0.25 -26.53	27.15 0.18 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.82 0.20 -23.29	21.34 0.21 -18.63	18.96 0.18 -16.65	20.99 0.27 -17.62	21.90 0.34 -17.88	22.92 0.48 -17.40	24.21 0.38 -19.62	26.11 0.41 -21.18	26.08 0.46 -20.59	27.87 0.43 -22.77	26.11 0.46 -21.00	31.13 0.42 -26.10	35.01 0.38 -30.09	44.70 0.51 -38.55	46.51 0.71 -37.62	47.52 1.29 -31.21	45.36 1.37 -27.84	39.30 1.42 -21.33	30.99 1.15 -16.91	25.37 0.71 -16.59
CALPINE_BP_GT1 23823	29.52 0.25 -26.53	27.15 0.18 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.82 0.20 -23.29	21.34 0.21 -18.63	18.96 0.18 -16.65	20.99 0.27 -17.62	21.90 0.34 -17.88	22.92 0.48 -17.40	24.21 0.38 -19.62	26.11 0.41 -21.18	26.08 0.46 -20.59	27.87 0.43 -22.77	26.11 0.46 -21.00	31.13 0.42 -26.10	35.01 0.38 -30.09	44.70 0.51 -38.55	46.51 0.71 -37.62	47.52 1.29 -31.21	45.36 1.37 -27.84	39.30 1.42 -21.33	30.99 1.15 -16.91	25.37 0.71 -16.59
CALSPAN__DRP 24200	6.03 -0.02 -3.30	5.27 0.01 -3.17	5.25 0.03 -3.08	5.24 0.03 -2.92	5.24 0.03 -2.88	5.23 0.03 -2.72	5.25 0.01 -3.11	5.73 0.02 -2.61	6.23 0.02 -2.54	7.32 0.00 -2.28	6.58 0.01 -2.37	6.64 0.02 -2.11	6.96 0.00 -1.93	6.82 0.01 -2.14	6.95 0.03 -2.27	7.09 0.01 -2.47	7.44 0.00 -2.89	9.71 0.02 -4.04	12.66 0.09 -4.40	18.35 -0.03 -3.36	19.38 -0.13 -3.36	19.34 -0.07 -2.87	14.60 -0.18 -1.85	10.36 -0.02 -2.30
CALVERTON__SOLAR 323806	29.54 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.54 0.22 -23.04	25.85 0.22 -23.29	21.36 0.24 -18.63	18.98 0.20 -16.65	21.02 0.30 -17.62	21.93 0.37 -17.88	22.96 0.52 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.18 0.53 -21.00	31.15 0.45 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.63 0.83 -37.62	47.68 1.46 -31.21	45.54 1.55 -27.84	39.50 1.62 -21.33	31.04 1.20 -16.91	25.37 0.71 -16.59
CANDIGU_WT_PWR 323617	7.05 -0.02 -4.33	6.24 -0.01 -4.15	6.19 0.01 -4.04	6.14 0.02 -3.83	6.13 0.02 -3.78	6.07 0.02 -3.56	6.22 0.01 -4.08	6.56 0.02 -3.43	7.04 0.03 -3.33	8.05 0.02 -2.99	7.34 0.03 -3.10	7.31 0.03 -2.77	7.58 0.02 -2.54	7.50 0.02 -2.82	7.65 0.01 -2.99	7.87 0.02 -3.24	8.32 0.02 -3.76	10.94 0.04 -5.26	14.02 0.12 -5.72	19.53 0.13 -4.37	20.60 0.08 -4.37	20.39 0.12 -3.73	15.35 0.01 -2.41	11.11 0.04 -2.99
CARR STREET_E_SYR 24060	4.69 -0.02 -1.96	3.96 -0.01 -1.88	3.96 -0.01 -1.83	4.01 -0.01 -1.73	4.03 -0.01 -1.71	4.09 -0.01 -1.61	3.96 -0.01 -1.85	4.64 -0.01 -1.55	5.16 -0.02 -1.50	6.36 -0.03 -1.35	5.58 -0.03 -1.40	5.73 -0.04 -1.25	6.13 -0.04 -1.15	5.90 -0.04 -1.27	5.96 -0.04 -1.35	6.04 -0.03 -1.47	6.21 -0.03 -1.70	8.00 -0.02 -2.38	10.75 -0.01 -2.59	16.99 0.00 -1.98	18.09 -0.03 -1.98	18.20 -0.03 -1.69	13.99 -0.03 -1.09	9.39 -0.04 -1.35
CARTHAGE__PAPER 23857	3.76 -0.02 -1.04	3.09 -0.01 -1.00	3.21 -0.03 -1.09	3.31 -0.03 -1.05	3.35 -0.03 -1.04	3.46 -0.03 -1.00	3.21 -0.02 -1.10	4.06 -0.03 -0.99	4.61 -0.07 -0.99	5.91 -0.07 -0.95	4.88 -0.07 -0.75	5.09 -0.09 -0.67	5.53 -0.11 -0.61	5.22 -0.12 -0.68	5.24 -0.13 -0.72	5.27 -0.11 -0.78	5.34 -0.10 -0.90	6.82 -0.08 -1.26	9.47 -0.07 -1.37	16.14 0.08 -1.05	17.34 0.14 -1.05	17.57 0.13 -0.89	13.63 0.13 -0.58	8.83 0.04 -0.72

CASSADAGA_WT_PWR 323784	6.13 -0.05 -3.43	5.36 -0.03 -3.29	5.34 0.00 -3.20	5.33 0.00 -3.04	5.34 0.00 -3.00	5.33 0.01 -2.83	5.38 0.01 -3.24	5.87 0.05 -2.72	6.40 0.08 -2.64	7.49 0.08 -2.37	6.75 0.08 -2.46	6.80 0.09 -2.20	7.11 0.08 -2.01	6.97 0.08 -2.23	7.06 0.04 -2.37	7.24 0.06 -2.57	7.60 0.08 -2.98	9.93 0.12 -4.17	12.95 0.24 -4.54	18.72 0.24 -3.47	19.79 0.18 -3.47	19.80 0.30 -2.95	14.95 0.12 -1.91	10.62 0.17 -2.37
CE_DUNWOOD___DRP 24194	20.53 0.18 -17.61	19.13 0.13 -16.90	18.69 0.13 -16.43	18.00 0.13 -15.58	17.84 0.14 -15.36	17.14 0.15 -14.50	18.86 0.12 -16.61	17.24 0.19 -13.95	17.45 0.24 -13.53	17.56 0.35 -12.17	17.12 0.29 -12.63	16.09 0.31 -11.27	15.70 0.35 -10.32	16.45 0.33 -11.46	17.13 0.33 -12.15	18.12 0.33 -13.19	20.12 0.30 -15.28	27.42 0.39 -21.38	32.28 0.56 -23.55	33.93 0.99 -17.92	34.98 1.05 -17.78	32.80 1.09 -15.16	23.57 0.84 -9.81	20.74 0.49 -12.18
CE_MILLWOOD___DRP 24193	20.46 0.17 -17.54	19.06 0.13 -16.83	18.62 0.12 -16.36	17.93 0.13 -15.52	17.77 0.13 -15.31	17.08 0.14 -14.44	18.79 0.12 -16.55	17.18 0.18 -13.90	17.40 0.24 -13.48	17.50 0.33 -12.13	17.06 0.27 -12.58	16.03 0.30 -11.23	15.65 0.34 -10.28	16.39 0.31 -11.42	17.07 0.32 -12.11	18.06 0.31 -13.14	20.05 0.29 -15.22	27.32 0.38 -21.30	32.17 0.54 -23.46	33.83 0.96 -17.85	34.88 1.02 -17.71	32.70 1.06 -15.10	23.51 0.81 -9.77	20.67 0.47 -12.13
CE_NYC2_DRP 24202	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.45 -21.42	32.37 0.60 -23.60	34.04 1.07 -17.96	35.09 1.13 -17.82	32.94 1.21 -15.19	23.64 0.89 -9.83	20.82 0.54 -12.20
CE_NYC_DRP 24195	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.42	32.37 0.60 -23.59	34.04 1.07 -17.96	35.09 1.13 -17.82	32.92 1.19 -15.19	23.67 0.92 -9.83	20.83 0.55 -12.20
CHAFFEE___LFGE 323603	6.12 -0.03 -3.40	5.34 -0.02 -3.26	5.33 0.02 -3.17	5.32 0.03 -3.01	5.32 0.02 -2.96	5.31 0.02 -2.80	5.34 0.01 -3.21	5.80 0.01 -2.69	6.31 0.01 -2.61	7.38 -0.01 -2.35	6.65 0.00 -2.44	6.69 0.01 -2.17	7.01 -0.01 -1.99	6.87 0.00 -2.21	6.97 -0.02 -2.34	7.15 0.00 -2.55	7.49 0.00 -2.95	9.78 0.01 -4.12	12.75 0.08 -4.49	18.40 -0.04 -3.43	19.43 -0.15 -3.43	19.40 -0.07 -2.92	14.64 -0.18 -1.89	10.40 -0.02 -2.35
CHATEAUG_35_KV_LOAD 355732	2.63 -0.11 0.00	1.97 -0.13 0.00	-0.71 -0.15 2.70	-0.72 -0.16 2.85	-0.73 -0.16 2.90	-0.72 -0.17 3.04	-0.71 -0.14 2.69	-0.77 -0.21 3.66	-0.81 -0.26 4.24	-0.28 -0.34 4.98	3.94 -0.27 0.00	4.26 -0.25 0.00	4.77 -0.26 0.00	4.42 -0.24 0.00	4.42 -0.23 0.00	4.35 -0.25 0.00	4.32 -0.22 0.00	5.38 -0.26 0.00	7.83 -0.34 0.00	14.43 -0.59 0.00	15.58 -0.57 0.00	16.00 -0.55 0.00	12.58 -0.35 0.00	7.93 -0.15 0.00
CHATEAUG_WT_PWR 323614	2.63 -0.12 0.00	1.97 -0.13 0.00	-0.53 -0.15 2.51	-0.53 -0.16 2.66	-0.53 -0.16 2.70	-0.52 -0.17 2.84	-0.53 -0.15 2.51	-0.52 -0.21 3.41	-0.53 -0.26 3.95	0.05 -0.34 4.64	3.93 -0.27 0.00	4.26 -0.25 0.00	4.76 -0.27 0.00	4.42 -0.24 0.00	4.44 -0.21 0.00	4.35 -0.26 0.00	4.32 -0.23 0.00	5.38 -0.27 0.00	7.81 -0.36 0.00	14.40 -0.62 0.00	15.55 -0.60 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.92 -0.15 0.00
CHAT_HIGH_FALL_HYD 323578	2.63 -0.11 0.00	1.97 -0.12 0.00	-0.71 -0.15 2.70	-0.72 -0.16 2.85	-0.73 -0.16 2.90	-0.72 -0.17 3.04	-0.71 -0.14 2.69	-0.77 -0.21 3.66	-0.81 -0.26 4.24	-0.28 -0.34 4.98	3.94 -0.27 0.00	4.26 -0.25 0.00	4.77 -0.26 0.00	4.42 -0.24 0.00	4.44 -0.21 0.00	4.35 -0.25 0.00	4.32 -0.22 0.00	5.38 -0.26 0.00	7.83 -0.34 0.00	14.43 -0.59 0.00	15.58 -0.57 0.00	16.00 -0.55 0.00	12.58 -0.35 0.00	7.93 -0.15 0.00
CHAUTAUQUA___LFGE 323629	6.09 -0.02 -3.36	5.31 -0.01 -3.23	5.31 0.03 -3.14	5.30 0.03 -2.98	5.30 0.03 -2.94	5.29 0.03 -2.77	5.32 0.02 -3.17	5.80 0.04 -2.67	6.32 0.06 -2.59	7.41 0.05 -2.33	6.67 0.05 -2.41	6.73 0.07 -2.15	7.05 0.05 -1.97	6.91 0.06 -2.19	6.99 0.02 -2.32	7.17 0.05 -2.52	7.53 0.07 -2.92	9.83 0.10 -4.08	12.82 0.20 -4.45	18.60 0.18 -3.40	19.64 0.10 -3.40	19.64 0.20 -2.90	14.84 0.04 -1.87	10.52 0.12 -2.33
CHERRYST_13_KV_LD 356241	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.15 -16.46	18.04 0.15 -15.61	17.89 0.15 -15.40	17.19 0.17 -14.53	18.91 0.14 -16.65	17.30 0.22 -13.98	17.52 0.28 -13.56	17.64 0.40 -12.20	17.19 0.33 -12.65	16.16 0.36 -11.29	15.78 0.41 -10.34	16.53 0.38 -11.48	17.22 0.39 -12.18	18.20 0.38 -13.22	20.20 0.35 -15.31	27.53 0.46 -21.42	32.40 0.63 -23.59	34.09 1.11 -17.96	35.14 1.18 -17.82	32.97 1.24 -15.19	23.70 0.94 -9.83	20.84 0.57 -12.20
CHESTROR_138KV_BK263 355645	19.22 0.14 -16.33	17.87 0.10 -15.67	17.47 0.10 -15.23	16.84 0.10 -14.45	16.69 0.11 -14.25	16.05 0.12 -13.45	17.63 0.10 -15.41	16.19 0.15 -12.94	16.42 0.20 -12.55	16.60 0.27 -11.29	16.13 0.22 -11.71	15.20 0.24 -10.45	14.87 0.27 -9.57	15.54 0.25 -10.63	16.18 0.26 -11.27	17.10 0.26 -12.23	18.95 0.24 -14.17	25.79 0.32 -19.83	30.45 0.46 -21.82	32.44 0.81 -16.61	33.51 0.87 -16.49	31.51 0.91 -14.06	22.72 0.70 -9.09	19.77 0.40 -11.29
CH_MIDHUDSON___DRP 24192	20.78 0.16 -17.87	19.36 0.12 -17.15	18.92 0.11 -16.67	18.22 0.12 -15.81	18.05 0.12 -15.59	17.34 0.14 -14.72	19.10 0.11 -16.86	17.43 0.17 -14.16	17.63 0.22 -13.73	17.70 0.31 -12.36	17.27 0.25 -12.81	16.22 0.27 -11.44	15.80 0.30 -10.48	16.57 0.28 -11.63	17.27 0.28 -12.33	18.28 0.29 -13.39	20.31 0.26 -15.51	27.69 0.35 -21.70	32.51 0.51 -23.83	34.07 0.90 -18.15	35.18 0.98 -18.04	32.94 1.01 -15.38	23.64 0.76 -9.95	20.87 0.44 -12.36
CH_MISC_IPPS 23765	20.48 0.17 -17.56	19.07 0.12 -16.85	18.64 0.12 -16.38	17.95 0.13 -15.53	17.78 0.13 -15.32	17.09 0.14 -14.46	18.81 0.12 -16.57	17.19 0.18 -13.91	17.40 0.23 -13.49	17.50 0.32 -12.14	17.05 0.25 -12.59	16.03 0.28 -11.24	15.63 0.31 -10.29	16.38 0.29 -11.43	17.08 0.31 -12.12	18.05 0.30 -13.15	20.05 0.28 -15.24	27.34 0.37 -21.32	32.16 0.56 -23.43	33.87 1.01 -17.85	34.97 1.10 -17.73	32.77 1.11 -15.11	23.54 0.84 -9.78	20.68 0.47 -12.14
CH_RES_BVR_FALLS 23983	2.64 -0.10 0.00	2.02 -0.08 0.00	2.06 -0.08 0.00	2.20 -0.08 0.00	2.25 -0.08 0.00	2.40 -0.09 0.00	2.05 -0.07 0.00	3.00 -0.10 0.00	3.56 -0.12 0.00	4.89 -0.15 0.00	4.09 -0.11 0.00	4.40 -0.11 0.00	4.91 -0.12 0.00	4.55 -0.11 0.00	4.54 -0.11 0.00	4.49 -0.11 0.00	4.43 -0.11 0.00	5.51 -0.14 0.00	7.98 -0.20 0.00	14.67 -0.34 0.00	15.79 -0.36 0.00	16.15 -0.40 0.00	12.60 -0.32 0.00	7.87 -0.20 0.00

CH_RES_NIAGARA 23895	5.74 -0.07 -3.06	4.98 -0.05 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.60 -0.13 -2.08	6.80 -0.10 -2.29	7.07 -0.12 -2.65	9.20 -0.14 -3.70	12.02 -0.17 -4.02	17.57 -0.53 -3.08	18.53 -0.69 -3.08	18.52 -0.65 -2.63	14.02 -0.61 -1.70	9.93 -0.26 -2.12
CH_RES_SYRACUSE 23985	4.90 -0.01 -2.16	4.17 0.00 -2.07	4.16 0.00 -2.02	4.20 0.00 -1.91	4.22 0.00 -1.89	4.27 0.00 -1.78	4.17 0.00 -2.04	4.82 0.00 -1.71	5.34 0.00 -1.66	6.52 -0.01 -1.49	5.75 -0.01 -1.55	5.88 -0.01 -1.38	6.27 -0.02 -1.27	6.05 -0.02 -1.41	6.12 -0.02 -1.49	6.21 -0.01 -1.62	6.41 -0.01 -1.88	8.27 0.00 -2.62	11.06 0.03 -2.86	17.28 0.08 -2.18	18.38 0.05 -2.18	18.46 0.05 -1.86	14.17 0.04 -1.20	9.57 0.00 -1.49
CLINTON_WT_PWR 323605	2.63 -0.12 0.00	1.97 -0.13 0.00	-0.53 -0.15 2.51	-0.53 -0.16 2.66	-0.53 -0.16 2.70	-0.52 -0.17 2.84	-0.53 -0.15 2.51	-0.52 -0.21 3.41	-0.53 -0.26 3.95	0.05 -0.34 4.64	3.93 -0.27 0.00	4.26 -0.25 0.00	4.76 -0.27 0.00	4.42 -0.24 0.00	4.44 -0.21 0.00	4.35 -0.26 0.00	4.32 -0.23 0.00	5.38 -0.27 0.00	7.81 -0.36 0.00	14.40 -0.62 0.00	15.55 -0.60 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.92 -0.15 0.00
CLINTON___LFGE 323618	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.55 -0.13 2.56	-0.55 -0.13 2.71	-0.56 -0.14 2.76	-0.55 -0.15 2.89	-0.55 -0.12 2.56	-0.55 -0.17 3.48	-0.55 -0.21 4.02	0.01 -0.30 4.73	3.96 -0.24 0.00	4.29 -0.22 0.00	4.80 -0.23 0.00	4.46 -0.21 0.00	4.47 -0.18 0.00	4.38 -0.23 0.00	4.35 -0.19 0.00	5.43 -0.21 0.00	7.90 -0.27 0.00	14.55 -0.47 0.00	15.73 -0.42 0.00	16.13 -0.41 0.00	12.67 -0.26 0.00	7.99 -0.09 0.00
COBBLENY_34_KV_TB1 80064	6.12 -0.03 -3.40	5.36 0.00 -3.26	5.33 0.02 -3.17	5.32 0.03 -3.01	5.32 0.02 -2.96	5.31 0.02 -2.80	5.34 0.01 -3.21	5.80 0.01 -2.69	6.31 0.01 -2.61	7.38 -0.01 -2.35	6.65 0.00 -2.44	6.69 0.01 -2.17	7.01 -0.01 -1.99	6.87 0.00 -2.21	7.01 0.02 -2.34	7.15 0.00 -2.55	7.51 0.00 -2.97	9.81 0.01 -4.15	12.78 0.08 -4.52	18.43 -0.05 -3.46	19.46 -0.15 -3.45	19.42 -0.07 -2.95	14.65 -0.18 -1.91	10.42 -0.02 -2.37
COFFEEN_115KV_TB3 355620	3.95 0.02 -1.18	3.24 0.01 -1.14	3.35 0.00 -1.21	3.45 0.00 -1.16	3.49 0.01 -1.15	3.59 0.01 -1.09	3.35 0.00 -1.22	4.19 0.01 -1.08	4.74 -0.02 -1.07	6.03 -0.02 -1.01	5.03 -0.02 -0.85	5.22 -0.05 -0.76	5.65 -0.07 -0.69	5.36 -0.07 -0.77	5.39 -0.08 -0.82	5.43 -0.06 -0.89	5.52 -0.05 -1.03	7.06 -0.02 -1.44	9.79 0.05 -1.57	16.57 0.36 -1.20	17.80 0.45 -1.20	17.98 0.41 -1.02	13.92 0.34 -0.66	9.05 0.15 -0.82
COLDSPRG_115KV_BK1 355956	6.30 0.01 -3.54	5.52 0.02 -3.40	5.48 0.04 -3.30	5.47 0.05 -3.13	5.47 0.04 -3.09	5.46 0.05 -2.92	5.51 0.04 -3.34	5.99 0.08 -2.81	6.51 0.10 -2.72	7.59 0.11 -2.45	6.85 0.10 -2.54	6.89 0.11 -2.27	7.20 0.10 -2.07	7.06 0.10 -2.30	7.20 0.11 -2.44	7.35 0.09 -2.65	7.75 0.10 -3.11	10.14 0.15 -4.35	13.21 0.29 -4.74	19.00 0.36 -3.62	20.07 0.31 -3.62	20.04 0.41 -3.09	15.12 0.19 -2.00	10.76 0.20 -2.48
COLONIE_LFGE___ 323577	25.08 0.11 -22.22	23.50 0.09 -21.32	22.95 0.09 -20.72	22.04 0.10 -19.65	21.82 0.10 -19.38	20.89 0.11 -18.29	23.17 0.09 -20.96	20.84 0.14 -17.60	20.92 0.17 -17.07	20.62 0.22 -15.36	20.32 0.19 -15.93	18.94 0.20 -14.22	18.28 0.22 -13.03	19.33 0.20 -14.47	20.20 0.20 -15.34	21.46 0.20 -16.65	24.04 0.21 -19.29	32.89 0.25 -26.99	37.60 0.38 -29.04	38.02 0.71 -22.29	39.35 0.76 -22.44	36.44 0.76 -19.13	25.90 0.59 -12.38	23.79 0.35 -15.37
COOPERNY_115KV_TB1 80082	16.17 0.10 -13.32	14.96 0.08 -12.78	14.64 0.08 -12.42	14.15 0.08 -11.78	14.04 0.08 -11.62	13.55 0.09 -10.97	14.76 0.07 -12.57	13.76 0.11 -10.55	14.06 0.15 -10.23	14.45 0.21 -9.21	13.92 0.17 -9.55	13.21 0.18 -8.52	13.04 0.20 -7.81	13.52 0.19 -8.67	14.04 0.20 -9.19	14.78 0.19 -9.98	16.28 0.18 -11.56	22.05 0.24 -16.17	26.27 0.34 -17.76	29.17 0.62 -13.53	30.26 0.66 -13.45	28.69 0.68 -11.46	20.86 0.52 -7.42	17.58 0.30 -9.21
COPENHAGEN_WT_PWR 323753	3.97 0.00 -1.22	3.28 0.01 -1.17	3.37 -0.01 -1.24	3.47 -0.01 -1.19	3.50 -0.01 -1.17	3.60 0.00 -1.12	3.37 -0.01 -1.25	4.20 -0.01 -1.10	4.74 -0.03 -1.09	6.03 -0.04 -1.03	5.05 -0.04 -0.88	5.23 -0.06 -0.78	5.66 -0.08 -0.72	5.37 -0.08 -0.80	5.40 -0.09 -0.84	5.44 -0.08 -0.92	5.54 -0.07 -1.06	7.09 -0.04 -1.49	9.78 -0.01 -1.62	16.46 0.21 -1.24	17.66 0.27 -1.24	17.85 0.25 -1.05	13.83 0.22 -0.68	9.01 0.09 -0.85
CORNELL_____ 23752	7.02 0.07 -4.20	6.18 0.05 -4.03	6.12 0.06 -3.92	6.07 0.06 -3.72	6.07 0.06 -3.67	6.02 0.07 -3.46	6.15 0.06 -3.97	6.52 0.09 -3.33	7.00 0.08 -3.23	8.04 0.10 -2.91	7.29 0.07 -3.01	7.26 0.06 -2.69	7.56 0.07 -2.46	7.46 0.06 -2.74	7.62 0.07 -2.90	7.82 0.07 -3.15	8.27 0.08 -3.65	10.88 0.14 -5.10	13.98 0.25 -5.55	19.80 0.54 -4.25	20.97 0.58 -4.24	20.72 0.56 -3.62	15.69 0.43 -2.34	11.21 0.23 -2.91
CORONA_AAV_69_KV_TB1 355595	29.52 0.24 -26.53	27.15 0.18 -24.87	26.76 0.18 -24.44	25.52 0.19 -23.04	25.82 0.19 -23.29	21.33 0.21 -18.63	18.95 0.17 -16.65	20.98 0.26 -17.61	21.89 0.33 -17.87	22.91 0.47 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.42 -22.77	26.07 0.42 -21.00	31.13 0.42 -26.10	35.02 0.40 -30.09	44.70 0.51 -38.55	46.52 0.72 -37.62	47.53 1.31 -31.21	45.37 1.39 -27.84	39.31 1.44 -21.33	30.96 1.12 -16.91	25.33 0.67 -16.59
CORTLAND_115KV_TB3 80093	6.26 0.04 -3.48	5.46 0.03 -3.34	5.42 0.03 -3.24	5.40 0.04 -3.08	5.41 0.04 -3.03	5.39 0.04 -2.86	5.44 0.04 -3.28	5.91 0.05 -2.75	6.40 0.05 -2.67	7.50 0.06 -2.40	6.75 0.05 -2.49	6.78 0.04 -2.23	7.11 0.04 -2.04	6.97 0.04 -2.26	7.10 0.05 -2.40	7.26 0.05 -2.60	7.61 0.05 -3.02	9.95 0.09 -4.22	12.93 0.16 -4.59	18.87 0.35 -3.51	20.01 0.36 -3.51	19.88 0.35 -2.99	15.12 0.26 -1.94	10.61 0.13 -2.40
COXSACKIE___GT 23611	23.50 0.16 -20.59	21.97 0.12 -19.75	21.47 0.13 -19.20	20.63 0.14 -18.21	20.43 0.14 -17.96	19.59 0.15 -16.95	21.67 0.13 -19.42	19.59 0.18 -16.31	19.71 0.21 -15.82	19.53 0.26 -14.23	19.16 0.19 -14.76	17.90 0.23 -13.17	17.30 0.22 -12.06	18.27 0.21 -13.39	19.09 0.24 -14.20	20.23 0.22 -15.41	22.66 0.27 -17.85	30.99 0.37 -24.98	35.95 0.68 -27.10	37.03 1.28 -20.74	38.35 1.44 -20.77	35.62 1.37 -17.71	25.39 1.01 -11.46	22.84 0.54 -14.22
CPV_VALLEY___CC1 323721	18.13 0.12 -15.26	16.83 0.09 -14.65	16.46 0.09 -14.24	15.88 0.09 -13.50	15.74 0.09 -13.32	15.16 0.10 -12.57	16.61 0.09 -14.40	15.32 0.13 -12.09	15.58 0.17 -11.73	15.83 0.24 -10.55	15.34 0.19 -10.94	14.49 0.21 -9.77	14.21 0.24 -8.95	14.82 0.22 -9.93	15.42 0.23 -10.53	16.26 0.23 -11.43	17.99 0.20 -13.24	24.45 0.28 -18.53	28.94 0.38 -20.38	31.21 0.68 -15.52	32.28 0.73 -15.41	30.44 0.76 -13.14	22.01 0.58 -8.50	18.96 0.33 -10.55

CPV_VALLEY___CC2 323722	18.13 0.12 -15.26	16.83 0.09 -14.65	16.46 0.09 -14.24	15.88 0.09 -13.50	15.74 0.09 -13.32	15.16 0.10 -12.57	16.61 0.09 -14.40	15.32 0.13 -12.09	15.58 0.17 -11.73	15.83 0.24 -10.55	15.34 0.19 -10.94	14.49 0.21 -9.77	14.21 0.24 -8.95	14.82 0.22 -9.93	15.42 0.23 -10.53	16.26 0.23 -11.43	17.99 0.20 -13.24	24.45 0.28 -18.53	28.94 0.38 -20.38	31.21 0.68 -15.52	32.28 0.73 -15.41	30.44 0.76 -13.14	22.01 0.58 -8.50	18.96 0.33 -10.55
CRESCENT___HYD 24018	25.08 0.11 -22.22	23.50 0.09 -21.32	22.95 0.09 -20.72	22.04 0.10 -19.65	21.82 0.10 -19.38	20.89 0.11 -18.29	23.17 0.09 -20.96	20.84 0.14 -17.60	20.92 0.17 -17.07	20.62 0.22 -15.36	20.32 0.19 -15.93	18.94 0.20 -14.22	18.28 0.22 -13.03	19.33 0.20 -14.47	20.20 0.20 -15.34	21.46 0.20 -16.65	24.04 0.21 -19.29	32.89 0.25 -26.99	37.60 0.38 -29.04	38.02 0.71 -22.29	39.35 0.76 -22.44	36.44 0.76 -19.13	25.90 0.59 -12.38	23.79 0.35 -15.37
CRICKET___VALLEY_CC1 323756	21.53 0.13 -18.65	20.09 0.10 -17.90	19.64 0.10 -17.40	18.89 0.10 -16.50	18.72 0.11 -16.28	17.97 0.12 -15.36	19.82 0.10 -17.60	18.03 0.15 -14.78	18.21 0.19 -14.33	18.20 0.27 -12.90	17.80 0.22 -13.38	16.69 0.24 -11.94	16.23 0.27 -10.93	17.05 0.25 -12.14	17.78 0.26 -12.87	18.82 0.24 -13.97	20.94 0.21 -16.19	28.56 0.27 -22.65	29.78 0.38 -21.23	32.88 0.66 -17.20	35.69 0.71 -18.83	33.36 0.76 -16.06	23.91 0.59 -10.39	21.32 0.35 -12.90
CRICKET___VALLEY_CC2 323757	21.53 0.13 -18.65	20.09 0.10 -17.90	19.64 0.10 -17.40	18.89 0.10 -16.50	18.72 0.11 -16.28	17.97 0.12 -15.36	19.82 0.10 -17.60	18.03 0.15 -14.78	18.21 0.19 -14.33	18.20 0.27 -12.90	17.80 0.22 -13.38	16.69 0.24 -11.94	16.23 0.27 -10.93	17.05 0.25 -12.14	17.78 0.26 -12.87	18.82 0.24 -13.97	20.94 0.21 -16.19	28.56 0.27 -22.65	29.78 0.38 -21.23	32.88 0.66 -17.20	35.69 0.71 -18.83	33.36 0.76 -16.06	23.91 0.59 -10.39	21.32 0.35 -12.90
CRICKET___VALLEY_CC3 323758	21.53 0.13 -18.65	20.09 0.10 -17.90	19.64 0.10 -17.40	18.89 0.10 -16.50	18.72 0.11 -16.28	17.97 0.12 -15.36	19.82 0.10 -17.60	18.03 0.15 -14.78	18.21 0.19 -14.33	18.20 0.27 -12.90	17.80 0.22 -13.38	16.69 0.24 -11.94	16.23 0.27 -10.93	17.05 0.25 -12.14	17.78 0.26 -12.87	18.82 0.24 -13.97	20.94 0.21 -16.19	28.56 0.27 -22.65	29.78 0.38 -21.23	32.88 0.66 -17.20	35.69 0.71 -18.83	33.36 0.76 -16.06	23.91 0.59 -10.39	21.32 0.35 -12.90
CRUCIBLE_METL_DRP 24180	4.90 -0.01 -2.16	4.17 0.00 -2.07	4.16 0.00 -2.02	4.20 0.00 -1.91	4.22 0.00 -1.89	4.27 0.00 -1.78	4.17 0.00 -2.04	4.82 0.00 -1.71	5.34 0.00 -1.66	6.52 -0.01 -1.49	5.75 -0.01 -1.55	5.88 -0.01 -1.38	6.27 -0.02 -1.27	6.05 -0.02 -1.41	6.13 -0.01 -1.49	6.21 -0.01 -1.62	6.41 -0.01 -1.88	8.27 0.00 -2.63	11.07 0.03 -2.86	17.28 0.08 -2.18	18.38 0.05 -2.18	18.46 0.05 -1.86	14.17 0.04 -1.20	9.57 0.00 -1.50
DAHOWA___HYDRO 323763	25.53 0.13 -22.65	23.93 0.10 -21.73	23.37 0.11 -21.13	22.44 0.12 -20.03	22.21 0.12 -19.76	21.26 0.12 -18.65	23.59 0.10 -21.37	21.20 0.16 -17.94	21.27 0.18 -17.40	20.94 0.24 -15.66	20.66 0.21 -16.24	19.24 0.22 -14.51	18.56 0.24 -13.29	19.65 0.23 -14.76	20.53 0.23 -15.65	21.80 0.21 -16.99	24.48 0.26 -19.68	33.49 0.32 -27.54	38.37 0.50 -29.69	38.76 0.96 -22.78	40.08 1.03 -22.90	37.07 1.01 -19.52	26.32 0.76 -12.63	24.18 0.43 -15.68
DANC___LFGE 323619	4.17 -0.02 -1.44	3.47 0.00 -1.38	3.53 -0.01 -1.41	3.61 -0.02 -1.34	3.65 -0.02 -1.33	3.73 -0.02 -1.26	3.53 -0.01 -1.42	4.31 -0.02 -1.23	4.85 -0.04 -1.21	6.10 -0.05 -1.12	5.19 -0.05 -1.03	5.36 -0.07 -0.92	5.78 -0.09 -0.84	5.51 -0.08 -0.94	5.55 -0.09 -0.99	5.60 -0.08 -1.08	5.72 -0.07 -1.25	7.33 -0.06 -1.74	10.02 -0.05 -1.90	16.53 0.06 -1.45	17.68 0.08 -1.45	17.85 0.07 -1.24	13.82 0.09 -0.80	9.08 0.02 -0.99
DANSKAMMER___1 23586	20.48 0.17 -17.56	19.07 0.12 -16.85	18.64 0.12 -16.38	17.95 0.13 -15.53	17.78 0.13 -15.32	17.09 0.14 -14.46	18.81 0.12 -16.57	17.19 0.18 -13.91	17.40 0.23 -13.49	17.50 0.32 -12.14	17.05 0.25 -12.59	16.03 0.28 -11.24	15.63 0.31 -10.29	16.38 0.29 -11.43	17.08 0.31 -12.12	18.05 0.30 -13.15	20.05 0.28 -15.24	27.34 0.37 -21.32	32.16 0.56 -23.43	33.87 1.01 -17.85	34.97 1.10 -17.73	32.77 1.11 -15.11	23.54 0.84 -9.78	20.68 0.47 -12.14
DANSKAMMER___2 23589	20.48 0.17 -17.56	19.07 0.12 -16.85	18.64 0.12 -16.38	17.95 0.13 -15.53	17.78 0.13 -15.32	17.09 0.14 -14.46	18.81 0.12 -16.57	17.19 0.18 -13.91	17.40 0.23 -13.49	17.50 0.32 -12.14	17.05 0.25 -12.59	16.03 0.28 -11.24	15.63 0.31 -10.29	16.38 0.29 -11.43	17.08 0.31 -12.12	18.05 0.30 -13.15	20.05 0.28 -15.24	27.34 0.37 -21.32	32.16 0.56 -23.43	33.87 1.01 -17.85	34.97 1.10 -17.73	32.77 1.11 -15.11	23.54 0.84 -9.78	20.68 0.47 -12.14
DANSKAMMER___3 23590	20.48 0.17 -17.56	19.07 0.12 -16.85	18.64 0.12 -16.38	17.95 0.13 -15.53	17.78 0.13 -15.32	17.09 0.14 -14.46	18.81 0.12 -16.57	17.19 0.18 -13.91	17.40 0.23 -13.49	17.50 0.32 -12.14	17.05 0.25 -12.59	16.03 0.28 -11.24	15.63 0.31 -10.29	16.38 0.29 -11.43	17.08 0.31 -12.12	18.05 0.30 -13.15	20.05 0.28 -15.24	27.34 0.37 -21.32	32.16 0.56 -23.43	33.87 1.01 -17.85	34.97 1.10 -17.73	32.77 1.11 -15.11	23.54 0.84 -9.78	20.68 0.47 -12.14
DANSKAMMER___4 23591	20.48 0.17 -17.56	19.07 0.12 -16.85	18.64 0.12 -16.38	17.95 0.13 -15.53	17.78 0.13 -15.32	17.09 0.14 -14.46	18.81 0.12 -16.57	17.19 0.18 -13.91	17.40 0.23 -13.49	17.50 0.32 -12.14	17.05 0.25 -12.59	16.03 0.28 -11.24	15.63 0.31 -10.29	16.38 0.29 -11.43	17.08 0.31 -12.12	18.05 0.30 -13.15	20.05 0.28 -15.24	27.34 0.37 -21.32	32.16 0.56 -23.43	33.87 1.01 -17.85	34.97 1.10 -17.73	32.77 1.11 -15.11	23.54 0.84 -9.78	20.68 0.47 -12.14
DANSKAMMER___DIESEL 23592	20.48 0.17 -17.56	19.07 0.13 -16.85	18.64 0.12 -16.38	17.95 0.13 -15.53	17.78 0.13 -15.32	17.09 0.14 -14.46	18.81 0.12 -16.56	17.19 0.18 -13.91	17.40 0.23 -13.49	17.50 0.32 -12.14	17.05 0.25 -12.59	16.03 0.28 -11.24	15.63 0.31 -10.29	16.38 0.29 -11.43	17.07 0.30 -12.12	18.05 0.29 -13.15	20.05 0.28 -15.23	27.33 0.37 -21.32	32.16 0.56 -23.43	33.87 1.01 -17.85	34.96 1.08 -17.73	32.77 1.11 -15.11	23.54 0.84 -9.78	20.69 0.47 -12.14
DARBY___SOLAR 323810	25.46 0.13 -22.59	23.87 0.10 -21.68	23.31 0.10 -21.07	22.38 0.11 -19.98	22.16 0.11 -19.71	21.21 0.12 -18.60	23.56 0.10 -21.33	21.17 0.15 -17.91	21.24 0.18 -17.37	20.91 0.24 -15.63	20.63 0.21 -16.21	19.20 0.22 -14.47	18.52 0.24 -13.25	19.61 0.23 -14.72	20.48 0.22 -15.60	21.76 0.22 -16.94	24.42 0.25 -19.62	33.41 0.31 -27.46	38.22 0.48 -29.57	38.61 0.92 -22.68	39.94 0.98 -22.80	36.95 0.96 -19.44	26.24 0.74 -12.58	24.11 0.41 -15.62
DASHVILLE___HYD 23610	20.79 0.13 -17.92	19.38 0.09 -17.19	18.94 0.09 -16.71	18.22 0.08 -15.85	18.05 0.09 -15.63	17.34 0.10 -14.75	19.10 0.08 -16.90	17.42 0.13 -14.19	17.62 0.17 -13.76	17.67 0.25 -12.38	17.24 0.19 -12.84	16.19 0.22 -11.46	15.76 0.24 -10.50	16.55 0.23 -11.66	17.24 0.23 -12.36	18.26 0.23 -13.42	20.27 0.19 -15.54	27.66 0.27 -21.75	32.39 0.40 -23.82	33.90 0.72 -18.17	35.02 0.79 -18.09	32.78 0.81 -15.42	23.50 0.59 -9.98	20.79 0.32 -12.39

DEERFIELD_69_KV_DEERFIELD LD 355887	29.60 0.32 -26.53	27.21 0.25 -24.87	26.83 0.25 -24.44	25.59 0.26 -23.04	25.89 0.26 -23.29	21.41 0.29 -18.63	19.01 0.24 -16.65	21.08 0.36 -17.61	22.00 0.45 -17.87	23.06 0.62 -17.40	24.31 0.48 -19.62	26.22 0.53 -21.18	26.20 0.58 -20.59	27.98 0.55 -22.77	26.17 0.52 -21.00	31.25 0.54 -26.10	35.16 0.53 -30.09	44.92 0.73 -38.55	46.84 1.05 -37.62	48.08 1.85 -31.21	45.94 1.95 -27.84	39.89 2.02 -21.33	31.32 1.49 -16.91	25.54 0.88 -16.59
DELAWARE___LFGE 323621	10.21 0.09 -7.38	9.24 0.07 -7.08	9.09 0.07 -6.88	8.89 0.08 -6.52	8.85 0.08 -6.44	8.64 0.08 -6.07	9.16 0.07 -6.96	9.05 0.11 -5.85	9.48 0.13 -5.67	10.31 0.18 -5.10	9.64 0.14 -5.29	9.38 0.14 -4.72	9.51 0.16 -4.33	9.61 0.15 -4.80	9.90 0.15 -5.09	10.29 0.15 -5.53	11.09 0.15 -6.40	14.81 0.21 -8.96	18.23 0.31 -9.75	23.07 0.60 -7.45	24.24 0.65 -7.44	23.55 0.66 -6.35	17.52 0.49 -4.11	13.45 0.27 -5.10
DERFIELD_115KV_TB7 355931	2.75 0.01 0.00	2.10 0.00 0.00	2.14 0.00 0.00	2.29 0.00 0.00	2.34 0.00 0.00	2.49 0.00 0.00	2.13 0.00 0.00	3.11 0.01 0.00	3.69 0.01 0.00	5.05 0.02 0.00	4.22 0.01 0.00	4.52 0.01 0.00	5.04 0.01 0.00	4.68 0.01 0.00	4.67 0.01 0.00	4.62 0.01 0.00	4.56 0.01 0.00	5.66 0.02 0.00	8.21 0.03 0.00	15.09 0.08 0.00	16.23 0.08 0.00	16.63 0.08 0.00	12.98 0.05 0.00	8.10 0.02 0.00
DOGLEVILLE___HYD 23807	2.70 -0.05 0.00	2.07 -0.03 0.00	2.11 -0.03 0.00	2.26 -0.03 0.00	2.30 -0.03 0.00	2.45 -0.03 0.00	2.09 -0.03 0.00	3.05 -0.05 0.00	3.63 -0.06 0.00	4.96 -0.08 0.00	4.15 -0.05 0.00	4.45 -0.06 0.00	4.96 -0.07 0.00	4.60 -0.07 0.00	4.57 -0.08 0.00	4.54 -0.07 0.00	4.46 -0.09 0.00	5.55 -0.09 0.00	8.06 -0.11 0.00	14.88 -0.14 0.00	16.03 -0.11 0.00	16.46 -0.08 0.00	12.86 -0.06 0.00	8.04 -0.03 0.00
DUNKIRK___115KV_TB_200 55889	6.09 -0.02 -3.36	5.33 0.01 -3.22	5.30 0.03 -3.13	5.30 0.04 -2.97	5.30 0.03 -2.93	5.29 0.04 -2.76	5.32 0.03 -3.17	5.80 0.04 -2.66	6.31 0.05 -2.58	7.40 0.04 -2.32	6.66 0.05 -2.41	6.72 0.06 -2.15	7.04 0.05 -1.97	6.90 0.05 -2.18	7.03 0.07 -2.31	7.17 0.05 -2.51	7.60 0.06 -3.00	9.93 0.10 -4.19	12.94 0.20 -4.57	18.69 0.18 -3.49	19.73 0.10 -3.49	19.70 0.18 -2.97	14.86 0.01 -1.92	10.57 0.10 -2.39
DUNKIRK___1 23563	6.09 -0.02 -3.36	5.33 0.01 -3.22	5.30 0.03 -3.13	5.30 0.04 -2.97	5.30 0.03 -2.93	5.29 0.04 -2.76	5.32 0.03 -3.17	5.80 0.04 -2.66	6.31 0.05 -2.58	7.40 0.04 -2.32	6.66 0.05 -2.41	6.72 0.06 -2.15	7.04 0.05 -1.97	6.90 0.05 -2.18	7.03 0.07 -2.31	7.17 0.05 -2.51	7.60 0.06 -3.00	9.93 0.10 -4.19	12.94 0.20 -4.57	18.69 0.18 -3.49	19.73 0.10 -3.49	19.70 0.18 -2.97	14.86 0.01 -1.92	10.57 0.10 -2.39
DUNKIRK___2 23564	6.09 -0.02 -3.36	5.33 0.01 -3.22	5.30 0.03 -3.13	5.30 0.04 -2.97	5.30 0.03 -2.93	5.29 0.04 -2.76	5.32 0.03 -3.17	5.80 0.04 -2.66	6.31 0.05 -2.58	7.40 0.04 -2.32	6.66 0.05 -2.41	6.72 0.06 -2.15	7.04 0.05 -1.97	6.90 0.05 -2.18	7.03 0.07 -2.31	7.17 0.05 -2.51	7.60 0.06 -3.00	9.93 0.10 -4.19	12.94 0.20 -4.57	18.69 0.18 -3.49	19.73 0.10 -3.49	19.70 0.18 -2.97	14.86 0.01 -1.92	10.57 0.10 -2.39
DUNKIRK___3 23565	6.05 -0.02 -3.32	5.29 0.01 -3.18	5.26 0.03 -3.09	5.26 0.03 -2.93	5.26 0.03 -2.89	5.25 0.03 -2.73	5.28 0.02 -3.13	5.76 0.03 -2.63	6.27 0.04 -2.55	7.36 0.03 -2.29	6.62 0.04 -2.38	6.68 0.05 -2.12	7.00 0.03 -1.94	6.86 0.04 -2.16	6.99 0.05 -2.29	7.12 0.03 -2.48	7.57 0.05 -2.97	9.88 0.07 -4.16	12.87 0.17 -4.53	18.60 0.12 -3.46	19.64 0.03 -3.46	19.61 0.12 -2.95	14.80 -0.04 -1.91	10.52 0.07 -2.37
DUNKIRK___4 23566	6.05 -0.02 -3.32	5.29 0.01 -3.18	5.26 0.03 -3.09	5.26 0.03 -2.93	5.26 0.03 -2.89	5.25 0.03 -2.73	5.28 0.02 -3.13	5.76 0.03 -2.63	6.27 0.04 -2.55	7.36 0.03 -2.29	6.62 0.04 -2.38	6.68 0.05 -2.12	7.00 0.03 -1.94	6.86 0.04 -2.16	6.99 0.05 -2.29	7.12 0.03 -2.48	7.57 0.05 -2.97	9.88 0.07 -4.16	12.87 0.17 -4.53	18.60 0.12 -3.46	19.64 0.03 -3.46	19.61 0.12 -2.95	14.80 -0.04 -1.91	10.52 0.07 -2.37
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	20.58 0.18 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.03 0.13 -15.61	17.87 0.14 -15.40	17.17 0.15 -14.53	18.90 0.13 -16.65	17.27 0.19 -13.98	17.49 0.25 -13.56	17.59 0.36 -12.20	17.15 0.29 -12.65	16.12 0.32 -11.29	15.73 0.36 -10.34	16.49 0.34 -11.49	17.17 0.34 -12.18	18.16 0.34 -13.22	20.16 0.31 -15.31	27.48 0.41 -21.43	32.34 0.57 -23.60	34.00 1.02 -17.96	35.04 1.08 -17.82	32.88 1.14 -15.19	23.62 0.87 -9.83	20.79 0.51 -12.20
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.93 0.15 -17.03	18.55 0.11 -16.34	18.14 0.11 -15.89	17.47 0.11 -15.07	17.31 0.12 -14.86	16.64 0.13 -14.02	18.30 0.11 -16.07	16.75 0.16 -13.49	16.98 0.21 -13.09	17.10 0.29 -11.77	16.65 0.24 -12.21	15.67 0.26 -10.90	15.30 0.29 -9.98	16.02 0.27 -11.09	16.68 0.28 -11.75	17.64 0.28 -12.76	19.57 0.25 -14.78	26.67 0.34 -20.68	31.41 0.50 -22.73	33.23 0.90 -17.31	34.31 0.97 -17.20	32.20 0.99 -14.66	23.16 0.75 -9.49	20.28 0.43 -11.78
E179THST_138_KV_TB4_REV_LBMP_J 345001	20.51 0.12 -17.65	19.11 0.08 -16.93	18.68 0.08 -16.46	17.97 0.07 -15.61	17.81 0.08 -15.40	17.10 0.09 -14.53	18.84 0.07 -16.65	17.19 0.11 -13.98	17.39 0.15 -13.56	17.46 0.23 -12.20	17.04 0.19 -12.65	16.01 0.20 -11.29	15.61 0.24 -10.34	16.37 0.22 -11.48	17.05 0.22 -12.18	18.04 0.22 -13.22	20.05 0.20 -15.31	27.34 0.27 -21.42	32.12 0.35 -23.60	33.59 0.62 -17.96	34.62 0.66 -17.82	32.45 0.71 -15.19	23.28 0.53 -9.83	20.58 0.30 -12.20
E179THST_13_KV_LOAD 356214	20.52 0.13 -17.65	19.12 0.09 -16.93	18.68 0.08 -16.46	17.98 0.08 -15.61	17.82 0.09 -15.40	17.11 0.09 -14.53	18.85 0.08 -16.65	17.20 0.12 -13.98	17.41 0.17 -13.56	17.48 0.25 -12.20	17.06 0.20 -12.65	16.02 0.22 -11.29	15.63 0.26 -10.34	16.38 0.24 -11.48	17.08 0.25 -12.18	18.06 0.24 -13.22	20.07 0.21 -15.31	27.37 0.30 -21.42	32.16 0.39 -23.60	33.65 0.68 -17.96	34.69 0.73 -17.82	32.53 0.79 -15.19	23.33 0.58 -9.83	20.61 0.33 -12.20
EAST HAMPTON___GT 23717	29.64 0.36 -26.53	27.24 0.27 -24.87	26.86 0.27 -24.44	25.61 0.29 -23.04	25.92 0.29 -23.29	21.44 0.32 -18.63	19.04 0.27 -16.65	21.12 0.40 -17.62	22.05 0.49 -17.88	23.13 0.68 -17.40	24.37 0.54 -19.62	26.28 0.59 -21.18	26.26 0.64 -20.59	28.03 0.60 -22.77	26.36 0.71 -21.00	31.30 0.60 -26.10	35.22 0.59 -30.09	45.01 0.82 -38.55	46.97 1.18 -37.62	48.33 2.10 -31.21	46.20 2.21 -27.84	40.16 2.28 -21.33	31.52 1.68 -16.91	25.67 1.01 -16.59
EAST RIVER___6 23660	20.58 0.19 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.22 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.44 -21.43	32.37 0.60 -23.59	34.02 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20

EAST_RIVER___7 23524	20.58 0.19 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.22 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.44 -21.43	32.37 0.60 -23.59	34.02 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	20.53 0.18 -17.61	19.13 0.13 -16.90	18.69 0.13 -16.43	18.00 0.13 -15.58	17.84 0.14 -15.36	17.14 0.15 -14.50	18.86 0.12 -16.61	17.24 0.19 -13.95	17.45 0.24 -13.53	17.56 0.35 -12.17	17.12 0.29 -12.63	16.09 0.31 -11.27	15.70 0.35 -10.32	16.45 0.33 -11.46	17.13 0.33 -12.15	18.12 0.33 -13.19	20.12 0.30 -15.28	27.42 0.39 -21.38	32.28 0.56 -23.55	33.93 0.99 -17.92	34.98 1.05 -17.78	32.80 1.09 -15.16	23.57 0.84 -9.81	20.74 0.49 -12.18
EAST_HAMPTON___DIESEL 23722	29.64 0.36 -26.53	27.24 0.27 -24.87	26.86 0.28 -24.44	25.62 0.29 -23.04	25.92 0.29 -23.29	21.44 0.32 -18.63	19.04 0.27 -16.65	21.12 0.40 -17.62	22.05 0.49 -17.88	23.13 0.68 -17.40	24.37 0.54 -19.62	26.28 0.59 -21.18	26.26 0.64 -20.59	28.04 0.60 -22.77	26.36 0.71 -21.00	31.30 0.60 -26.10	35.22 0.59 -30.09	45.01 0.82 -38.55	46.98 1.18 -37.62	48.33 2.10 -31.21	46.20 2.21 -27.84	40.16 2.28 -21.33	31.52 1.68 -16.91	25.67 1.01 -16.59
EAST_PULASKI___ESR 323781	4.37 -0.03 -1.65	3.66 -0.02 -1.58	3.66 -0.02 -1.54	3.72 -0.02 -1.46	3.75 -0.02 -1.44	3.82 -0.02 -1.36	3.66 -0.02 -1.56	4.38 -0.03 -1.31	4.90 -0.04 -1.27	6.12 -0.06 -1.14	5.33 -0.05 -1.18	5.49 -0.07 -1.06	5.91 -0.09 -0.97	5.66 -0.08 -1.07	5.71 -0.08 -1.14	5.76 -0.08 -1.24	5.90 -0.07 -1.43	7.57 -0.07 -2.00	10.27 -0.08 -2.18	16.61 -0.08 -1.67	17.73 -0.08 -1.67	17.88 -0.08 -1.42	13.81 -0.04 -0.92	9.16 -0.06 -1.14
EAST_RIVER___1 323558	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.43	32.37 0.60 -23.59	34.04 1.07 -17.96	35.09 1.13 -17.81	32.92 1.19 -15.19	23.67 0.92 -9.83	20.83 0.55 -12.20
EAST_RIVER___2 323559	20.58 0.19 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.22 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.44 -21.43	32.37 0.60 -23.59	34.02 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
EAST___DELAWARE_HYD 23607	18.65 0.14 -15.76	17.32 0.10 -15.12	16.93 0.09 -14.70	16.32 0.10 -13.94	16.18 0.10 -13.75	15.57 0.11 -12.97	17.08 0.09 -14.87	15.72 0.14 -12.48	15.97 0.18 -12.11	16.18 0.25 -10.89	15.69 0.18 -11.30	14.80 0.21 -10.08	14.48 0.22 -9.24	15.13 0.21 -10.26	15.76 0.23 -10.87	16.63 0.22 -11.80	18.41 0.20 -13.67	25.06 0.29 -19.13	29.61 0.45 -20.99	31.84 0.83 -16.00	32.96 0.90 -15.91	31.03 0.93 -13.56	22.37 0.67 -8.77	19.33 0.36 -10.89
EIGHT_POINT___WT_PWR 323820	6.60 0.13 -3.72	5.77 0.10 -3.57	5.73 0.12 -3.47	5.72 0.14 -3.29	5.72 0.14 -3.25	5.70 0.15 -3.06	5.77 0.13 -3.51	6.25 0.20 -2.95	6.74 0.20 -2.86	7.86 0.25 -2.57	7.08 0.21 -2.67	7.10 0.20 -2.38	7.41 0.21 -2.18	7.28 0.19 -2.42	7.39 0.17 -2.57	7.59 0.20 -2.79	7.97 0.20 -3.23	10.46 0.30 -4.52	13.64 0.55 -4.92	19.86 1.08 -3.76	21.05 1.15 -3.76	20.89 1.14 -3.20	15.85 0.85 -2.07	11.15 0.50 -2.57
ELBRIDGE_115KV_TB2 80188	5.00 -0.01 -2.27	4.27 -0.01 -2.18	4.25 0.00 -2.12	4.29 0.00 -2.01	4.31 0.00 -1.98	4.35 0.00 -1.87	4.26 0.00 -2.14	4.90 0.00 -1.80	5.41 -0.01 -1.74	6.58 -0.03 -1.57	5.81 -0.02 -1.63	5.94 -0.03 -1.45	6.33 -0.03 -1.33	6.11 -0.03 -1.48	6.19 -0.02 -1.57	6.28 -0.02 -1.70	6.50 -0.01 -1.97	8.39 -0.01 -2.76	11.20 0.02 -3.00	17.37 0.06 -2.29	18.47 0.03 -2.29	18.53 0.03 -1.95	14.22 0.03 -1.26	9.64 -0.01 -1.57
ELEC_TRO_TEK 24086	29.50 0.23 -26.53	27.14 0.17 -24.87	26.75 0.17 -24.44	25.50 0.17 -23.04	25.81 0.18 -23.29	21.32 0.20 -18.63	18.94 0.16 -16.65	20.96 0.25 -17.61	21.87 0.32 -17.87	22.88 0.44 -17.40	24.18 0.35 -19.62	26.08 0.38 -21.18	26.05 0.43 -20.59	27.84 0.40 -22.77	26.05 0.40 -21.00	31.10 0.40 -26.10	35.00 0.37 -30.09	44.69 0.50 -38.55	46.49 0.69 -37.62	47.47 1.25 -31.21	45.33 1.34 -27.84	39.26 1.39 -21.33	30.92 1.09 -16.91	25.32 0.65 -16.59
ELLENBURG_WT_PWR 323604	2.63 -0.12 0.00	1.97 -0.13 0.00	-0.53 -0.15 2.51	-0.53 -0.16 2.66	-0.53 -0.16 2.70	-0.52 -0.17 2.84	-0.53 -0.15 2.51	-0.52 -0.21 3.41	-0.53 -0.26 3.95	0.05 -0.34 4.64	3.93 -0.27 0.00	4.26 -0.25 0.00	4.76 -0.27 0.00	4.42 -0.24 0.00	4.44 -0.21 0.00	4.35 -0.26 0.00	4.32 -0.23 0.00	5.38 -0.27 0.00	7.81 -0.36 0.00	14.40 -0.62 0.00	15.55 -0.60 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.92 -0.15 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	5.95 -0.02 -3.22	5.20 0.01 -3.09	5.18 0.03 -3.01	5.17 0.03 -2.85	5.17 0.03 -2.81	5.17 0.03 -2.65	5.18 0.01 -3.04	5.66 0.01 -2.55	6.17 0.01 -2.48	7.25 -0.02 -2.23	6.52 0.00 -2.31	6.58 0.01 -2.06	6.91 -0.01 -1.89	6.76 0.00 -2.10	6.89 0.02 -2.22	7.02 0.00 -2.42	7.36 -0.01 -2.83	9.60 0.00 -3.96	12.54 0.06 -4.31	18.20 -0.11 -3.29	19.23 -0.21 -3.29	19.20 -0.15 -2.80	14.51 -0.23 -1.81	10.28 -0.05 -2.25
EMPIRE_CC_1 323656	23.93 0.08 -21.10	22.42 0.07 -20.25	21.90 0.07 -19.68	21.04 0.08 -18.67	20.83 0.08 -18.41	19.95 0.09 -17.38	22.11 0.07 -19.91	19.92 0.10 -16.72	20.02 0.13 -16.22	19.79 0.17 -14.59	19.49 0.16 -15.13	18.18 0.16 -13.51	17.58 0.18 -12.37	18.57 0.17 -13.74	19.38 0.16 -14.56	20.58 0.17 -15.81	23.02 0.16 -18.31	31.44 0.18 -25.62	35.89 0.26 -27.45	36.59 0.47 -21.11	37.94 0.48 -21.31	35.22 0.51 -18.16	25.09 0.41 -11.75	22.94 0.27 -14.59
EMPIRE_CC_2 323658	23.93 0.08 -21.10	22.42 0.07 -20.25	21.90 0.07 -19.68	21.04 0.08 -18.67	20.83 0.08 -18.41	19.95 0.09 -17.38	22.11 0.07 -19.91	19.92 0.10 -16.72	20.02 0.13 -16.22	19.79 0.17 -14.59	19.49 0.16 -15.13	18.18 0.16 -13.51	17.58 0.18 -12.37	18.57 0.17 -13.74	19.38 0.16 -14.56	20.58 0.17 -15.81	23.02 0.16 -18.31	31.44 0.18 -25.62	35.89 0.26 -27.45	36.59 0.47 -21.11	37.94 0.48 -21.31	35.22 0.51 -18.16	25.09 0.41 -11.75	22.94 0.27 -14.59
ENORWICH_115KV_TB1 80156	8.47 0.16 -5.57	7.56 0.13 -5.34	7.45 0.12 -5.19	7.34 0.13 -4.92	7.33 0.13 -4.86	7.22 0.14 -4.58	7.50 0.13 -5.25	7.70 0.19 -4.41	8.16 0.20 -4.28	9.12 0.23 -3.85	8.37 0.17 -3.99	8.21 0.13 -3.56	8.45 0.16 -3.26	8.43 0.14 -3.62	8.65 0.15 -3.84	8.93 0.15 -4.17	9.54 0.17 -4.83	12.70 0.30 -6.76	16.07 0.54 -7.35	21.91 1.28 -5.62	23.20 1.44 -5.62	22.69 1.36 -4.79	17.06 1.03 -3.10	12.50 0.58 -3.85

ERIE_ST__34_KV_TB1-2 80199	6.05 -0.03 -3.34	5.29 0.00 -3.20	5.27 0.01 -3.11	5.26 0.02 -2.95	5.26 0.01 -2.91	5.25 0.01 -2.75	5.27 0.00 -3.15	5.74 -0.01 -2.64	6.24 0.00 -2.56	7.31 -0.04 -2.31	6.58 -0.02 -2.39	6.64 -0.01 -2.14	6.94 -0.04 -1.95	6.81 -0.02 -2.17	6.95 0.00 -2.30	7.09 -0.02 -2.50	7.43 -0.02 -2.91	9.72 -0.01 -4.08	12.67 0.06 -4.44	18.32 -0.09 -3.39	19.34 -0.19 -3.39	19.32 -0.12 -2.89	14.56 -0.23 -1.87	10.34 -0.06 -2.32
ERIE_WT_PWR 323693	6.03 -0.02 -3.30	5.25 -0.01 -3.17	5.25 0.03 -3.08	5.24 0.03 -2.92	5.24 0.03 -2.88	5.24 0.03 -2.72	5.25 0.02 -3.11	5.73 0.02 -2.61	6.24 0.02 -2.54	7.32 0.00 -2.28	6.59 0.02 -2.37	6.64 0.02 -2.11	6.96 0.01 -1.93	6.82 0.01 -2.14	6.91 -0.01 -2.27	7.09 0.01 -2.47	7.41 0.00 -2.86	9.67 0.02 -4.00	12.62 0.09 -4.36	18.33 -0.01 -3.33	19.35 -0.13 -3.33	19.33 -0.05 -2.84	14.59 -0.17 -1.84	10.35 -0.01 -2.28
ESPRGFLD_115KV_TB1 80157	-0.10 0.14 2.99	-0.67 0.11 2.87	-0.54 0.11 2.79	-0.24 0.12 2.65	-0.15 0.12 2.61	0.15 0.13 2.46	-0.56 0.11 2.80	0.92 0.17 2.35	1.60 0.20 2.28	3.25 0.27 2.05	2.29 0.21 2.13	2.82 0.21 1.90	3.52 0.23 1.74	2.94 0.21 1.93	2.82 0.22 2.05	2.59 0.20 2.22	2.19 0.23 2.57	2.37 0.33 3.60	4.63 0.52 4.06	13.01 1.07 3.08	14.27 1.15 3.02	15.13 1.16 2.58	12.12 0.87 1.67	6.48 0.48 2.07
ETNA_115_KV_TB1_REV_LBMP_C 345029	7.00 0.06 -4.19	6.17 0.05 -4.02	6.10 0.05 -3.91	6.05 0.06 -3.71	6.05 0.06 -3.66	6.00 0.06 -3.45	6.13 0.06 -3.95	6.50 0.08 -3.32	6.98 0.08 -3.22	8.02 0.09 -2.90	7.27 0.06 -3.01	7.25 0.05 -2.68	7.54 0.06 -2.46	7.44 0.05 -2.73	7.61 0.06 -2.89	7.81 0.06 -3.14	8.25 0.07 -3.64	10.85 0.12 -5.09	13.95 0.24 -5.54	19.76 0.51 -4.23	20.91 0.53 -4.23	20.66 0.51 -3.61	15.66 0.40 -2.33	11.18 0.21 -2.90
ETNA____115KV_TB2 80207	7.00 0.06 -4.19	6.17 0.05 -4.02	6.10 0.05 -3.91	6.05 0.06 -3.71	6.05 0.06 -3.66	6.00 0.06 -3.45	6.13 0.06 -3.95	6.50 0.08 -3.32	6.98 0.08 -3.22	8.02 0.09 -2.90	7.27 0.06 -3.01	7.25 0.05 -2.68	7.54 0.06 -2.46	7.44 0.05 -2.73	7.61 0.06 -2.89	7.81 0.06 -3.14	8.25 0.07 -3.64	10.85 0.12 -5.09	13.95 0.24 -5.54	19.76 0.51 -4.23	20.91 0.53 -4.23	20.66 0.51 -3.61	15.66 0.40 -2.33	11.18 0.21 -2.90
EUCLID____115KV_TB2 356179	4.58 -0.03 -1.86	3.86 -0.02 -1.79	3.86 -0.02 -1.74	3.92 -0.02 -1.65	3.94 -0.02 -1.62	4.00 -0.02 -1.53	3.86 -0.02 -1.76	4.55 -0.03 -1.47	5.07 -0.04 -1.43	6.27 -0.06 -1.29	5.49 -0.05 -1.33	5.65 -0.05 -1.19	6.06 -0.06 -1.09	5.82 -0.06 -1.21	5.89 -0.05 -1.28	5.95 -0.05 -1.39	6.11 -0.05 -1.62	7.85 -0.05 -2.26	10.59 -0.05 -2.46	16.81 -0.09 -1.88	17.91 -0.11 -1.88	18.02 -0.13 -1.60	13.86 -0.10 -1.04	9.28 -0.08 -1.29
E_CANADA_CAP_HY 24051	30.40 0.18 -27.47	28.60 0.14 -26.36	27.91 0.14 -25.62	26.74 0.15 -24.30	26.46 0.15 -23.97	25.27 0.16 -22.62	28.18 0.14 -25.92	25.07 0.21 -21.76	25.03 0.24 -21.11	24.35 0.32 -18.99	24.16 0.26 -19.70	22.37 0.26 -17.61	21.43 0.28 -16.13	22.83 0.26 -17.91	23.92 0.28 -18.98	25.45 0.23 -20.61	28.70 0.29 -23.87	39.45 0.40 -33.41	45.03 0.65 -36.21	44.03 1.29 -27.72	45.29 1.37 -27.77	41.63 1.41 -23.68	29.29 1.05 -15.32	27.67 0.57 -19.02
E_CANADA_MHWK_HY 24050	2.70 -0.05 0.00	2.07 -0.03 0.00	2.11 -0.03 0.00	2.26 -0.03 0.00	2.30 -0.03 0.00	2.45 -0.03 0.00	2.09 -0.03 0.00	3.05 -0.05 0.00	3.63 -0.06 0.00	4.96 -0.08 0.00	4.15 -0.05 0.00	4.45 -0.06 0.00	4.96 -0.07 0.00	4.60 -0.07 0.00	4.57 -0.08 0.00	4.54 -0.07 0.00	4.46 -0.09 0.00	5.55 -0.09 0.00	8.06 -0.11 0.00	14.88 -0.14 0.00	16.03 -0.11 0.00	16.46 -0.08 0.00	12.86 -0.06 0.00	8.04 -0.03 0.00
E_FISHKILL____LBMP 23776	20.89 0.15 -17.99	19.48 0.12 -17.27	19.03 0.11 -16.78	18.32 0.12 -15.91	18.15 0.12 -15.70	17.43 0.13 -14.81	19.21 0.11 -16.97	17.52 0.17 -14.25	17.72 0.22 -13.82	17.78 0.31 -12.44	17.35 0.25 -12.90	16.29 0.27 -11.51	15.88 0.31 -10.55	16.66 0.28 -11.71	17.36 0.29 -12.42	18.37 0.29 -13.48	20.41 0.26 -15.61	27.83 0.34 -21.84	32.72 0.48 -24.06	34.18 0.86 -18.31	35.22 0.90 -18.16	32.99 0.96 -15.49	23.67 0.72 -10.02	20.94 0.43 -12.44
FALCON____SEABRD_CC1 323796	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.54 -0.14 2.54	-0.54 -0.15 2.68	-0.54 -0.15 2.73	-0.53 -0.16 2.86	-0.54 -0.14 2.53	-0.53 -0.19 3.44	-0.54 -0.24 3.98	0.04 -0.31 4.68	3.95 -0.25 0.00	4.28 -0.23 0.00	4.79 -0.24 0.00	4.45 -0.21 0.00	4.47 -0.18 0.00	4.38 -0.23 0.00	4.35 -0.20 0.00	5.42 -0.23 0.00	7.88 -0.29 0.00	14.51 -0.51 0.00	15.68 -0.47 0.00	16.10 -0.45 0.00	12.65 -0.27 0.00	7.99 -0.09 0.00
FALCON____SEABRD_CC2 323797	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.54 -0.14 2.54	-0.54 -0.15 2.68	-0.54 -0.15 2.73	-0.53 -0.16 2.86	-0.54 -0.14 2.53	-0.53 -0.19 3.44	-0.54 -0.24 3.98	0.04 -0.31 4.68	3.95 -0.25 0.00	4.28 -0.23 0.00	4.79 -0.24 0.00	4.45 -0.21 0.00	4.47 -0.18 0.00	4.38 -0.23 0.00	4.35 -0.20 0.00	5.42 -0.23 0.00	7.88 -0.29 0.00	14.51 -0.51 0.00	15.68 -0.47 0.00	16.10 -0.45 0.00	12.65 -0.27 0.00	7.99 -0.09 0.00
FAR ROCKAWAY____4 23548	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.53 0.20 -23.04	25.84 0.21 -23.29	21.35 0.23 -18.63	18.96 0.19 -16.65	21.00 0.29 -17.61	21.92 0.36 -17.87	22.95 0.51 -17.40	24.24 0.41 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.10 0.45 -21.00	31.16 0.46 -26.10	35.06 0.43 -30.09	44.71 0.52 -38.55	46.53 0.74 -37.62	47.55 1.32 -31.21	45.39 1.40 -27.84	39.35 1.47 -21.33	31.06 1.23 -16.91	25.40 0.73 -16.59
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.63 0.39 -12.20	17.18 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.20 0.37 -13.22	20.19 0.34 -15.31	27.52 0.45 -21.42	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.82	32.94 1.21 -15.19	23.67 0.92 -9.83	20.83 0.55 -12.20
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.63 0.39 -12.20	17.18 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.20 0.37 -13.22	20.19 0.34 -15.31	27.52 0.45 -21.42	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.82	32.94 1.21 -15.19	23.68 0.93 -9.83	20.83 0.55 -12.20
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.42	32.37 0.60 -23.59	34.04 1.07 -17.96	35.09 1.13 -17.82	32.92 1.19 -15.19	23.67 0.92 -9.83	20.83 0.55 -12.20

FARRAGUT___LBMP 323566	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.20 0.37 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.42	32.37 0.60 -23.59	34.03 1.05 -17.96	35.09 1.13 -17.82	32.92 1.19 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
FENNER___WINDPWR 24204	5.16 0.04 -2.38	4.41 0.03 -2.28	4.39 0.03 -2.22	4.42 0.03 -2.10	4.44 0.03 -2.07	4.48 0.03 -1.96	4.40 0.03 -2.24	5.03 0.05 -1.88	5.56 0.05 -1.83	6.74 0.06 -1.64	5.96 0.05 -1.70	6.06 0.03 -1.52	6.46 0.04 -1.39	6.24 0.03 -1.55	6.32 0.02 -1.64	6.43 0.04 -1.78	6.64 0.04 -2.06	8.60 0.07 -2.89	11.46 0.14 -3.14	17.75 0.33 -2.40	18.90 0.35 -2.40	18.92 0.33 -2.05	14.51 0.26 -1.32	9.85 0.13 -1.64
FIBERTEK___ENERGY 23856	4.90 -0.01 -2.16	4.17 0.00 -2.07	4.16 0.00 -2.02	4.20 0.00 -1.91	4.22 0.00 -1.89	4.27 0.00 -1.78	4.17 0.00 -2.04	4.82 0.00 -1.71	5.34 0.00 -1.66	6.52 -0.01 -1.49	5.75 -0.01 -1.55	5.88 -0.01 -1.38	6.27 -0.02 -1.27	6.05 -0.02 -1.41	6.13 -0.01 -1.49	6.21 -0.01 -1.62	6.41 -0.01 -1.88	8.27 0.00 -2.63	11.07 0.03 -2.86	17.28 0.08 -2.18	18.38 0.05 -2.18	18.46 0.05 -1.86	14.17 0.04 -1.20	9.57 0.00 -1.50
FITZPATRICK____ 23598	4.18 -0.07 -1.51	3.48 -0.06 -1.44	3.49 -0.05 -1.40	3.56 -0.06 -1.33	3.59 -0.06 -1.31	3.67 -0.06 -1.24	3.49 -0.05 -1.42	4.22 -0.08 -1.19	4.74 -0.10 -1.16	5.94 -0.14 -1.04	5.17 -0.11 -1.08	5.35 -0.13 -0.96	5.77 -0.14 -0.88	5.51 -0.13 -0.98	5.56 -0.14 -1.04	5.61 -0.12 -1.13	5.73 -0.12 -1.31	7.33 -0.14 -1.83	9.98 -0.19 -1.99	16.19 -0.34 -1.52	17.28 -0.39 -1.52	17.44 -0.40 -1.30	13.45 -0.31 -0.84	8.91 -0.20 -1.04
FLOWRFLD_69_KV_BK1 356044	29.54 0.27 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.22 -23.29	21.36 0.24 -18.63	18.97 0.20 -16.65	21.01 0.30 -17.61	21.93 0.37 -17.87	22.96 0.52 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.90 0.46 -22.77	26.09 0.44 -21.00	31.16 0.46 -26.10	35.07 0.44 -30.09	44.80 0.61 -38.55	46.67 0.87 -37.62	47.76 1.53 -31.21	45.62 1.63 -27.84	39.58 1.70 -21.33	31.13 1.29 -16.91	25.44 0.78 -16.59
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	20.55 0.17 -17.63	19.14 0.13 -16.91	18.70 0.12 -16.44	18.01 0.13 -15.59	17.85 0.13 -15.38	17.15 0.15 -14.51	18.87 0.12 -16.63	17.24 0.18 -13.96	17.45 0.23 -13.54	17.55 0.33 -12.18	17.10 0.26 -12.64	16.08 0.29 -11.28	15.67 0.31 -10.33	16.43 0.30 -11.47	17.12 0.30 -12.16	18.11 0.30 -13.20	20.11 0.28 -15.29	27.42 0.38 -21.40	32.27 0.57 -23.52	33.95 1.02 -17.91	35.06 1.11 -17.79	32.86 1.14 -15.17	23.61 0.87 -9.82	20.75 0.48 -12.19
FORT ORANGE____ 23900	24.59 0.12 -21.72	23.03 0.09 -20.84	22.50 0.10 -20.26	21.60 0.10 -19.21	21.39 0.11 -18.95	20.48 0.11 -17.88	22.71 0.09 -20.49	20.45 0.14 -17.21	20.54 0.17 -16.69	20.28 0.22 -15.02	19.97 0.18 -15.57	18.60 0.20 -13.89	17.97 0.22 -12.73	19.00 0.20 -14.13	19.84 0.20 -14.98	21.07 0.20 -16.26	23.59 0.21 -18.84	32.26 0.26 -26.36	37.05 0.41 -28.47	37.59 0.75 -21.82	38.87 0.81 -21.92	36.04 0.81 -18.69	25.64 0.62 -12.09	23.45 0.36 -15.01
FORT_DRUM_COGEN 23780	3.89 0.00 -1.14	3.19 0.00 -1.09	3.31 -0.01 -1.17	3.40 -0.01 -1.12	3.44 -0.01 -1.11	3.55 0.00 -1.06	3.30 -0.01 -1.19	4.15 -0.01 -1.05	4.70 -0.03 -1.05	6.00 -0.03 -0.99	4.99 -0.04 -0.82	5.18 -0.06 -0.73	5.61 -0.08 -0.67	5.32 -0.08 -0.74	5.35 -0.09 -0.79	5.38 -0.08 -0.85	5.46 -0.07 -0.99	6.99 -0.04 -1.38	9.68 0.00 -1.51	16.41 0.24 -1.15	17.60 0.31 -1.15	17.81 0.28 -0.98	13.81 0.25 -0.64	8.97 0.10 -0.79
FPL_FAR_ROCK_GT1 24212	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.53 0.21 -23.04	25.84 0.21 -23.29	21.35 0.23 -18.63	18.97 0.19 -16.65	21.00 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.24 0.41 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.13 0.48 -21.00	31.16 0.46 -26.10	35.06 0.43 -30.09	44.71 0.52 -38.55	46.53 0.74 -37.62	47.55 1.32 -31.21	45.39 1.40 -27.84	39.35 1.47 -21.33	31.06 1.23 -16.91	25.40 0.73 -16.59
FPL_FAR_ROCK_GT2 23815	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.53 0.21 -23.04	25.84 0.21 -23.29	21.35 0.23 -18.63	18.97 0.19 -16.65	21.00 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.24 0.41 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.13 0.48 -21.00	31.16 0.46 -26.10	35.06 0.43 -30.09	44.71 0.52 -38.55	46.53 0.74 -37.62	47.55 1.32 -31.21	45.39 1.40 -27.84	39.35 1.47 -21.33	31.06 1.23 -16.91	25.40 0.73 -16.59
FRANKLIN_FALL_HYD 24054	2.66 -0.09 0.00	1.99 -0.10 0.00	3.73 -0.12 -1.71	3.96 -0.13 -1.80	4.04 -0.13 -1.84	4.28 -0.14 -1.92	3.71 -0.11 -1.70	5.26 -0.16 -2.32	6.16 -0.20 -2.68	7.94 -0.25 -3.15	4.00 -0.20 0.00	4.33 -0.18 0.00	4.83 -0.20 0.00	4.48 -0.19 0.00	4.46 -0.20 0.00	4.39 -0.21 0.00	4.36 -0.19 0.00	5.42 -0.22 0.00	7.88 -0.29 0.00	14.51 -0.51 0.00	15.68 -0.47 0.00	16.11 -0.43 0.00	12.65 -0.27 0.00	7.96 -0.11 0.00
FREEPORT_EQUS_GT1 23764	29.52 0.24 -26.53	27.15 0.18 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.82 0.19 -23.29	21.34 0.21 -18.63	18.95 0.18 -16.65	20.98 0.27 -17.62	21.90 0.34 -17.88	22.91 0.47 -17.40	24.21 0.38 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.11 0.46 -21.00	31.13 0.42 -26.10	35.03 0.40 -30.09	44.73 0.54 -38.55	46.55 0.75 -37.62	47.58 1.35 -31.21	45.44 1.45 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.70 -16.59
FREEPORT___CT2 23818	29.52 0.24 -26.53	27.15 0.18 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.82 0.19 -23.29	21.34 0.21 -18.63	18.95 0.18 -16.65	20.98 0.27 -17.62	21.90 0.34 -17.88	22.91 0.47 -17.40	24.21 0.38 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.11 0.46 -21.00	31.13 0.42 -26.10	35.03 0.40 -30.09	44.73 0.54 -38.55	46.55 0.75 -37.62	47.58 1.35 -31.21	45.44 1.45 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.70 -16.59
FRESHKLS_33_KV_LOAD 356253	20.61 0.21 -17.65	19.18 0.16 -16.93	18.75 0.15 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.16 0.14 -14.53	18.88 0.11 -16.65	17.25 0.17 -13.98	17.46 0.22 -13.56	17.57 0.33 -12.20	17.13 0.27 -12.65	16.10 0.30 -11.29	15.72 0.35 -10.34	16.48 0.33 -11.48	17.16 0.33 -12.18	18.15 0.33 -13.22	20.15 0.30 -15.31	27.48 0.41 -21.42	32.34 0.57 -23.60	33.98 1.01 -17.96	35.03 1.07 -17.82	32.86 1.13 -15.19	23.57 0.81 -9.83	20.83 0.56 -12.20
FULTON COGEN____ 23766	4.52 -0.03 -1.81	3.81 -0.02 -1.73	3.81 -0.02 -1.68	3.87 -0.02 -1.60	3.89 -0.02 -1.58	3.95 -0.02 -1.49	3.81 -0.02 -1.70	4.51 -0.03 -1.43	5.02 -0.04 -1.39	6.23 -0.06 -1.25	5.45 -0.05 -1.30	5.60 -0.06 -1.16	6.02 -0.07 -1.06	5.77 -0.07 -1.18	5.83 -0.07 -1.25	5.89 -0.06 -1.35	6.05 -0.06 -1.57	7.77 -0.06 -2.19	10.50 -0.07 -2.39	16.74 -0.11 -1.83	17.84 -0.13 -1.82	17.95 -0.15 -1.56	13.84 -0.09 -1.01	9.24 -0.08 -1.25

FULTON___LFGE 323630	28.85 0.25 -25.86	27.10 0.19 -24.81	26.45 0.20 -24.12	25.37 0.21 -22.87	25.11 0.21 -22.56	24.00 0.22 -21.29	26.70 0.18 -24.39	23.87 0.28 -20.48	23.86 0.31 -19.87	23.31 0.40 -17.88	23.06 0.32 -18.54	21.41 0.32 -16.57	20.56 0.35 -15.18	21.84 0.32 -16.85	22.83 0.31 -17.87	24.32 0.31 -19.40	27.38 0.36 -22.47	37.59 0.51 -31.44	43.09 0.86 -34.06	42.78 1.68 -26.08	44.08 1.79 -26.14	40.57 1.74 -22.29	28.63 1.28 -14.42	26.67 0.69 -17.91
G.F.CEMENT___DRP 24184	25.64 0.14 -22.76	24.04 0.10 -21.84	23.48 0.11 -21.22	22.54 0.12 -20.13	22.31 0.12 -19.85	21.35 0.13 -18.74	23.73 0.10 -21.50	21.32 0.16 -18.05	21.39 0.20 -17.51	21.05 0.26 -15.75	20.77 0.23 -16.34	19.33 0.23 -14.58	18.64 0.26 -13.36	19.74 0.24 -14.83	20.61 0.23 -15.73	21.90 0.23 -17.07	24.60 0.29 -19.77	33.67 0.36 -27.67	38.56 0.57 -29.82	38.98 1.10 -22.86	40.28 1.16 -22.97	37.24 1.11 -19.59	26.41 0.81 -12.67	24.26 0.45 -15.73
GARDENVILLE___LBMP 24039	6.01 -0.02 -3.28	5.25 0.00 -3.15	5.23 0.03 -3.06	5.22 0.03 -2.90	5.23 0.03 -2.86	5.22 0.03 -2.70	5.23 0.01 -3.10	5.71 0.01 -2.60	6.21 0.01 -2.52	7.30 -0.01 -2.27	6.56 0.00 -2.35	6.62 0.01 -2.10	6.94 -0.01 -1.92	6.80 0.00 -2.13	6.93 0.02 -2.26	7.07 0.00 -2.46	7.42 0.00 -2.88	9.68 0.01 -4.03	12.63 0.07 -4.39	18.30 -0.08 -3.36	19.32 -0.18 -3.35	19.30 -0.10 -2.86	14.57 -0.21 -1.85	10.34 -0.03 -2.30
GARDNVLA_35_KV_LD 355827	6.04 -0.01 -3.31	5.28 0.01 -3.17	5.26 0.03 -3.08	5.25 0.04 -2.92	5.25 0.03 -2.88	5.24 0.03 -2.72	5.26 0.02 -3.12	5.74 0.02 -2.62	6.25 0.03 -2.54	7.34 0.02 -2.29	6.60 0.03 -2.37	6.66 0.03 -2.12	6.98 0.02 -1.93	6.83 0.02 -2.15	6.97 0.04 -2.28	7.10 0.02 -2.48	7.45 0.02 -2.89	9.73 0.04 -4.05	12.69 0.11 -4.40	18.40 0.02 -3.37	19.43 -0.08 -3.36	19.41 0.00 -2.87	14.64 -0.14 -1.86	10.39 0.01 -2.31
GELCKHM___115KV_LOAD 80723	4.70 -0.02 -1.97	3.98 -0.01 -1.89	3.97 -0.01 -1.84	4.02 -0.01 -1.75	4.04 -0.01 -1.72	4.10 -0.01 -1.63	3.97 -0.01 -1.86	4.65 -0.02 -1.56	5.17 -0.03 -1.52	6.36 -0.04 -1.36	5.59 -0.03 -1.42	5.73 -0.04 -1.26	6.13 -0.05 -1.16	5.91 -0.04 -1.29	5.98 -0.04 -1.36	6.05 -0.04 -1.48	6.22 -0.04 -1.71	8.01 -0.03 -2.40	10.76 -0.02 -2.61	16.98 -0.03 -2.00	18.09 -0.05 -1.99	18.18 -0.07 -1.70	13.97 -0.05 -1.10	9.39 -0.05 -1.37
GENERAL___MILLS 23808	6.03 -0.02 -3.30	5.27 0.01 -3.17	5.25 0.03 -3.08	5.24 0.03 -2.92	5.24 0.03 -2.88	5.23 0.03 -2.72	5.25 0.01 -3.11	5.73 0.02 -2.61	6.23 0.02 -2.54	7.32 0.00 -2.28	6.58 0.01 -2.37	6.64 0.02 -2.11	6.96 0.00 -1.93	6.82 0.01 -2.14	6.95 0.03 -2.27	7.09 0.01 -2.47	7.44 0.00 -2.89	9.71 0.02 -4.04	12.66 0.09 -4.40	18.35 -0.03 -3.36	19.38 -0.13 -3.36	19.34 -0.07 -2.87	14.60 -0.18 -1.85	10.36 -0.02 -2.30
GE_PLASTICS___DRP 24183	24.62 0.10 -21.77	23.07 0.08 -20.89	22.53 0.08 -20.31	21.64 0.09 -19.26	21.42 0.09 -19.00	20.51 0.10 -17.93	22.72 0.08 -20.52	20.45 0.12 -17.23	20.54 0.15 -16.71	20.27 0.20 -15.04	19.97 0.17 -15.60	18.61 0.18 -13.92	17.97 0.20 -12.75	19.01 0.19 -14.16	19.84 0.18 -15.01	21.08 0.18 -16.29	23.60 0.18 -18.87	32.28 0.23 -26.41	37.11 0.34 -28.60	37.56 0.63 -21.91	38.79 0.66 -21.98	35.96 0.68 -18.74	25.58 0.53 -12.13	23.44 0.31 -15.06
GILBOA___1 23756	20.19 0.09 -17.36	18.82 0.07 -16.66	18.41 0.08 -16.19	17.72 0.08 -15.35	17.56 0.08 -15.14	16.86 0.08 -14.29	18.57 0.07 -16.38	16.95 0.10 -13.75	17.15 0.13 -13.34	17.21 0.18 -12.00	16.79 0.14 -12.45	15.77 0.15 -11.11	15.37 0.17 -10.17	16.12 0.16 -11.30	16.79 0.16 -11.98	17.77 0.16 -13.00	19.75 0.15 -15.06	26.91 0.20 -21.07	31.40 0.29 -22.94	33.08 0.53 -17.54	34.22 0.55 -17.52	32.06 0.58 -14.94	23.03 0.44 -9.67	20.33 0.25 -12.00
GILBOA___2 23757	20.19 0.09 -17.36	18.82 0.07 -16.66	18.41 0.08 -16.19	17.72 0.08 -15.35	17.56 0.08 -15.14	16.86 0.08 -14.29	18.57 0.07 -16.38	16.95 0.10 -13.75	17.15 0.13 -13.34	17.21 0.18 -12.00	16.79 0.14 -12.45	15.77 0.15 -11.11	15.37 0.17 -10.17	16.12 0.16 -11.30	16.79 0.16 -11.98	17.77 0.16 -13.00	19.75 0.15 -15.06	26.91 0.20 -21.07	31.40 0.29 -22.94	33.08 0.53 -17.54	34.22 0.55 -17.52	32.06 0.58 -14.94	23.03 0.44 -9.67	20.33 0.25 -12.00
GILBOA___3 23758	20.19 0.09 -17.36	18.82 0.07 -16.66	18.41 0.08 -16.19	17.72 0.08 -15.35	17.56 0.08 -15.14	16.86 0.08 -14.29	18.57 0.07 -16.38	16.95 0.10 -13.75	17.15 0.13 -13.34	17.21 0.18 -12.00	16.79 0.14 -12.45	15.77 0.15 -11.11	15.37 0.17 -10.17	16.12 0.16 -11.30	16.79 0.16 -11.98	17.77 0.16 -13.00	19.75 0.15 -15.06	26.91 0.20 -21.07	31.40 0.29 -22.94	33.08 0.53 -17.54	34.22 0.55 -17.52	32.06 0.58 -14.94	23.03 0.44 -9.67	20.33 0.25 -12.00
GILBOA___4 23759	20.19 0.09 -17.36	18.82 0.07 -16.66	18.41 0.08 -16.19	17.72 0.08 -15.35	17.56 0.08 -15.14	16.86 0.08 -14.29	18.57 0.07 -16.38	16.95 0.10 -13.75	17.15 0.13 -13.34	17.21 0.18 -12.00	16.79 0.14 -12.45	15.77 0.15 -11.11	15.37 0.17 -10.17	16.12 0.16 -11.30	16.79 0.16 -11.98	17.77 0.16 -13.00	19.75 0.15 -15.06	26.91 0.20 -21.07	31.40 0.29 -22.94	33.08 0.53 -17.54	34.22 0.55 -17.52	32.06 0.58 -14.94	23.03 0.44 -9.67	20.33 0.25 -12.00
GILBOA___ 23599	20.19 0.09 -17.36	18.82 0.07 -16.66	18.41 0.08 -16.19	17.72 0.08 -15.35	17.56 0.08 -15.14	16.86 0.08 -14.29	18.57 0.07 -16.37	16.95 0.10 -13.75	17.15 0.13 -13.34	17.21 0.18 -12.00	16.79 0.14 -12.44	15.77 0.15 -11.11	15.37 0.17 -10.17	16.12 0.16 -11.30	16.79 0.16 -11.98	17.77 0.16 -13.00	19.75 0.15 -15.06	26.91 0.20 -21.07	31.40 0.29 -22.94	33.08 0.53 -17.54	34.22 0.55 -17.52	32.06 0.58 -14.94	23.03 0.44 -9.67	20.33 0.25 -12.00
GINNA___ 23603	5.04 -0.12 -2.41	4.32 -0.09 -2.32	4.32 -0.07 -2.25	4.34 -0.08 -2.13	4.35 -0.09 -2.10	4.39 -0.09 -1.99	4.32 -0.08 -2.28	4.90 -0.11 -1.91	5.39 -0.14 -1.85	6.51 -0.20 -1.67	5.77 -0.17 -1.73	5.88 -0.18 -1.54	6.24 -0.20 -1.41	6.05 -0.18 -1.57	6.12 -0.20 -1.66	6.24 -0.18 -1.81	6.46 -0.18 -2.09	8.37 -0.20 -2.93	11.10 -0.26 -3.19	16.91 -0.54 -2.44	17.94 -0.65 -2.44	17.99 -0.63 -2.08	13.71 -0.56 -1.34	9.41 -0.33 -1.67
GLEN PARK___ 23778	3.94 0.01 -1.18	3.25 0.03 -1.13	3.34 0.00 -1.20	3.44 0.00 -1.15	3.48 0.00 -1.14	3.58 0.00 -1.09	3.34 0.00 -1.22	4.18 0.00 -1.08	4.73 -0.02 -1.07	6.02 -0.02 -1.01	5.03 -0.03 -0.85	5.22 -0.05 -0.75	5.64 -0.08 -0.69	5.35 -0.08 -0.77	5.38 -0.09 -0.81	5.42 -0.07 -0.88	5.51 -0.06 -1.02	7.05 -0.02 -1.43	9.77 0.03 -1.56	16.54 0.33 -1.19	17.76 0.42 -1.19	17.92 0.36 -1.02	13.89 0.31 -0.66	9.03 0.14 -0.82
GLENDALE_27_KV_LOAD 356172	20.60 0.21 -17.65	19.18 0.16 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.89 0.16 -15.40	17.19 0.17 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.52 0.28 -13.56	17.64 0.40 -12.20	17.19 0.33 -12.65	16.17 0.37 -11.29	15.78 0.41 -10.34	16.53 0.39 -11.48	17.22 0.40 -12.18	18.21 0.39 -13.22	20.20 0.35 -15.31	27.53 0.47 -21.42	32.41 0.65 -23.60	34.12 1.14 -17.96	35.16 1.19 -17.82	33.01 1.27 -15.19	23.70 0.94 -9.83	20.85 0.57 -12.20

GLENWOOD_IC_1_G5 23712	29.50 0.22 -26.53	27.13 0.17 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.31 0.19 -18.63	18.93 0.16 -16.65	20.96 0.24 -17.61	21.86 0.31 -17.87	22.87 0.43 -17.40	24.18 0.35 -19.62	26.08 0.38 -21.18	26.05 0.43 -20.59	27.84 0.41 -22.77	26.05 0.40 -21.00	31.11 0.41 -26.10	35.01 0.38 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.37 1.14 -31.21	45.21 1.23 -27.84	39.15 1.27 -21.33	30.90 1.06 -16.91	25.29 0.63 -16.59
GLENWOOD_IC_2_G1 23688	29.48 0.20 -26.53	27.12 0.15 -24.87	26.73 0.15 -24.44	25.48 0.16 -23.04	25.79 0.16 -23.29	21.30 0.17 -18.63	18.92 0.15 -16.65	20.94 0.22 -17.62	21.84 0.28 -17.88	22.84 0.40 -17.40	24.16 0.33 -19.62	26.05 0.36 -21.18	26.02 0.40 -20.59	27.81 0.38 -22.77	26.05 0.40 -21.00	31.08 0.38 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.43 0.64 -37.62	47.37 1.14 -31.21	45.20 1.21 -27.84	39.15 1.27 -21.33	30.81 0.97 -16.91	25.24 0.58 -16.59
GLENWOOD_IC_3_G1 23689	29.48 0.20 -26.53	27.12 0.15 -24.87	26.73 0.15 -24.44	25.48 0.16 -23.04	25.79 0.16 -23.29	21.30 0.17 -18.63	18.92 0.15 -16.65	20.94 0.22 -17.62	21.84 0.28 -17.88	22.84 0.40 -17.40	24.16 0.33 -19.62	26.05 0.36 -21.18	26.02 0.40 -20.59	27.81 0.38 -22.77	26.05 0.40 -21.00	31.08 0.38 -26.10	34.98 0.35 -30.09	44.65 0.46 -38.55	46.43 0.64 -37.62	47.37 1.14 -31.21	45.20 1.21 -27.84	39.15 1.27 -21.33	30.81 0.97 -16.91	25.24 0.58 -16.59
GLENWOOD___4 23550	29.50 0.22 -26.53	27.13 0.17 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.31 0.19 -18.63	18.93 0.16 -16.65	20.96 0.24 -17.61	21.86 0.31 -17.87	22.87 0.43 -17.40	24.18 0.35 -19.62	26.08 0.38 -21.18	26.05 0.43 -20.59	27.84 0.41 -22.77	26.05 0.40 -21.00	31.11 0.41 -26.10	35.01 0.38 -30.09	44.66 0.47 -38.55	46.46 0.66 -37.62	47.42 1.19 -31.21	45.25 1.26 -27.84	39.20 1.32 -21.33	30.90 1.06 -16.91	25.29 0.63 -16.59
GLENWOOD___5 23614	29.50 0.22 -26.53	27.13 0.17 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.31 0.19 -18.63	18.93 0.16 -16.65	20.96 0.24 -17.61	21.86 0.31 -17.87	22.87 0.43 -17.40	24.18 0.35 -19.62	26.08 0.38 -21.18	26.05 0.43 -20.59	27.84 0.41 -22.77	26.05 0.40 -21.00	31.11 0.41 -26.10	35.01 0.38 -30.09	44.66 0.47 -38.55	46.46 0.66 -37.62	47.42 1.19 -31.21	45.25 1.26 -27.84	39.20 1.32 -21.33	30.90 1.06 -16.91	25.29 0.63 -16.59
GLOBAL GREEN_PORT_GT1 23814	29.63 0.35 -26.53	27.23 0.27 -24.87	26.85 0.27 -24.44	25.61 0.28 -23.04	25.91 0.29 -23.29	21.43 0.31 -18.63	19.04 0.26 -16.65	21.11 0.39 -17.62	22.04 0.49 -17.88	23.12 0.68 -17.40	24.36 0.53 -19.62	26.27 0.58 -21.18	26.25 0.63 -20.59	28.03 0.59 -22.77	26.35 0.70 -21.00	31.30 0.59 -26.10	35.22 0.59 -30.09	45.00 0.81 -38.55	46.97 1.17 -37.62	48.30 2.07 -31.21	46.16 2.18 -27.84	40.12 2.25 -21.33	31.49 1.65 -16.91	25.65 0.98 -16.59
GLOBE___DSASP 323697	5.73 -0.08 -3.06	4.97 -0.06 -2.93	4.98 -0.01 -2.85	4.98 -0.01 -2.70	4.98 -0.02 -2.67	4.98 -0.03 -2.52	4.97 -0.04 -2.89	5.46 -0.07 -2.42	5.95 -0.08 -2.35	7.02 -0.13 -2.11	6.30 -0.10 -2.19	6.37 -0.10 -1.96	6.65 -0.13 -1.75	6.50 -0.11 -1.95	6.58 -0.14 -2.07	6.79 -0.11 -2.29	7.06 -0.13 -2.64	9.18 -0.15 -3.69	12.00 -0.19 -4.01	17.53 -0.56 -3.07	18.47 -0.74 -3.07	18.49 -0.68 -2.62	13.99 -0.63 -1.70	9.92 -0.27 -2.11
GOETHSLN___LBMP 323567	20.58 0.19 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.03 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.20 0.37 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.42	32.34 0.57 -23.59	33.97 0.99 -17.96	35.03 1.07 -17.82	32.86 1.13 -15.19	23.66 0.90 -9.83	20.81 0.53 -12.20
GOLAH___69_KV_TB 1_2 80279	5.26 0.02 -2.49	4.51 0.03 -2.39	4.50 0.04 -2.32	4.53 0.04 -2.20	4.55 0.04 -2.17	4.58 0.05 -2.05	4.51 0.04 -2.35	5.12 0.05 -1.97	5.63 0.04 -1.91	6.79 0.03 -1.72	6.01 0.03 -1.78	6.13 0.03 -1.59	6.52 0.03 -1.46	6.32 0.04 -1.62	6.41 0.04 -1.72	6.50 0.03 -1.86	6.74 0.03 -2.17	8.73 0.06 -3.03	11.60 0.13 -3.30	17.72 0.18 -2.52	18.78 0.11 -2.52	18.88 0.18 -2.15	14.41 0.09 -1.39	9.89 0.09 -1.73
GOODYEAR_LAKE_HYD 323669	7.22 0.11 -4.37	6.37 0.08 -4.19	6.30 0.09 -4.07	6.24 0.09 -3.86	6.24 0.09 -3.81	6.18 0.10 -3.59	6.34 0.09 -4.13	6.70 0.13 -3.47	7.21 0.16 -3.36	8.28 0.22 -3.02	7.52 0.18 -3.14	7.48 0.17 -2.80	7.78 0.19 -2.56	7.68 0.17 -2.85	7.85 0.18 -3.02	8.06 0.18 -3.28	8.51 0.18 -3.79	11.21 0.25 -5.31	14.33 0.39 -5.77	20.22 0.80 -4.41	21.41 0.86 -4.40	21.16 0.86 -3.75	16.00 0.65 -2.43	11.45 0.36 -3.02
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	8.66 0.04 -5.87	7.76 0.04 -5.63	7.66 0.04 -5.47	7.53 0.05 -5.19	7.50 0.05 -5.12	7.37 0.05 -4.83	7.70 0.04 -5.54	7.81 0.06 -4.65	8.26 0.07 -4.51	9.18 0.09 -4.06	8.48 0.07 -4.21	8.34 0.07 -3.76	8.54 0.08 -3.44	8.55 0.07 -3.82	8.78 0.08 -4.05	9.07 0.07 -4.40	9.70 0.07 -5.08	12.87 0.11 -7.12	16.11 0.19 -7.75	21.27 0.33 -5.92	22.39 0.32 -5.92	21.94 0.35 -5.04	16.42 0.23 -3.26	12.26 0.14 -4.05
GOUDEY___7 23579	8.66 0.04 -5.87	7.76 0.04 -5.63	7.66 0.04 -5.47	7.53 0.05 -5.19	7.50 0.05 -5.12	7.37 0.05 -4.83	7.70 0.04 -5.54	7.82 0.07 -4.65	8.26 0.07 -4.51	9.18 0.09 -4.06	8.48 0.07 -4.21	8.34 0.07 -3.76	8.55 0.08 -3.44	8.56 0.07 -3.82	8.78 0.08 -4.05	9.08 0.08 -4.40	9.70 0.07 -5.08	12.87 0.11 -7.12	16.12 0.20 -7.75	21.28 0.35 -5.92	22.40 0.34 -5.92	21.94 0.35 -5.04	16.43 0.25 -3.26	12.26 0.14 -4.05
GOUDEY___8 23580	8.66 0.04 -5.87	7.76 0.04 -5.63	7.66 0.04 -5.47	7.53 0.05 -5.19	7.50 0.05 -5.12	7.37 0.05 -4.83	7.70 0.04 -5.54	7.81 0.06 -4.65	8.26 0.07 -4.51	9.18 0.09 -4.06	8.48 0.07 -4.21	8.34 0.07 -3.76	8.54 0.08 -3.44	8.55 0.07 -3.82	8.78 0.08 -4.05	9.07 0.07 -4.40	9.70 0.07 -5.08	12.87 0.11 -7.12	16.11 0.19 -7.75	21.27 0.33 -5.92	22.39 0.32 -5.92	21.94 0.35 -5.04	16.42 0.23 -3.26	12.26 0.14 -4.05
GOWANUS_GT1_1 24077	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT1_2 24078	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20

GOWANUS_GT1_3 24079	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT1_4 24080	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT1_5 24084	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT1_6 24111	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT1_7 24112	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT1_8 24113	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_1 24114	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_2 24115	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_3 24116	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_4 24117	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_5 24118	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_6 24119	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_7 24120	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT2_8 24121	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20
GOWANUS_GT3_1 24122	20.60	19.18	18.75	18.05	17.88	17.17	18.90	17.28	17.50	17.61	17.17	16.15	15.76	16.52	17.21	18.19	20.18	27.52	32.39	34.09	35.12	32.97	23.64	20.83
	0.21	0.15	0.15	0.15	0.15	0.16	0.13	0.20	0.26	0.38	0.31	0.34	0.39	0.37	0.39	0.37	0.33	0.45	0.62	1.11	1.16	1.24	0.89	0.56
	-17.65	-16.93	-16.46	-15.61	-15.40	-14.53	-16.65	-13.98	-13.56	-12.20	-12.65	-11.29	-10.34	-11.48	-12.18	-13.22	-15.31	-21.43	-23.59	-17.96	-17.81	-15.19	-9.83	-12.20

GOWANUS_GT3_2 24123	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT3_3 24124	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT3_4 24125	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT3_5 24126	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT3_6 24127	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT3_7 24128	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT3_8 24129	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_1 24130	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_2 24131	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_3 24132	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_4 24133	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_5 24134	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_6 24135	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_7 24136	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GOWANUS_GT4_8 24137	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20

GREENBSH_115KV_TB3 55895	24.69 0.11 -21.84	23.14 0.09 -20.95	22.60 0.09 -20.37	21.70 0.10 -19.31	21.48 0.10 -19.05	20.57 0.11 -17.98	22.80 0.09 -20.59	20.52 0.13 -17.29	20.61 0.16 -16.77	20.34 0.22 -15.09	20.04 0.19 -15.65	18.67 0.19 -13.97	18.04 0.22 -12.79	19.07 0.20 -14.21	19.91 0.20 -15.06	21.15 0.20 -16.35	23.68 0.20 -18.94	32.39 0.24 -26.50	37.16 0.37 -28.62	37.64 0.68 -21.94	38.90 0.71 -22.05	36.07 0.73 -18.80	25.65 0.57 -12.16	23.51 0.34 -15.10
GREENDGE_115KV_TB5 80291	6.50 0.07 -3.69	5.69 0.06 -3.54	5.64 0.06 -3.44	5.62 0.07 -3.26	5.62 0.07 -3.22	5.60 0.08 -3.03	5.67 0.07 -3.48	6.13 0.11 -2.92	6.61 0.10 -2.83	7.70 0.12 -2.55	6.94 0.10 -2.64	6.96 0.09 -2.36	7.28 0.10 -2.16	7.15 0.09 -2.40	7.30 0.10 -2.54	7.46 0.10 -2.76	7.83 0.10 -3.20	10.27 0.15 -4.47	13.33 0.29 -4.87	19.29 0.56 -3.72	20.43 0.57 -3.72	20.28 0.56 -3.17	15.38 0.40 -2.05	10.84 0.22 -2.55
GREENIDGE___3 23582	6.50 0.07 -3.69	5.69 0.06 -3.54	5.64 0.06 -3.44	5.62 0.07 -3.26	5.62 0.07 -3.22	5.60 0.08 -3.03	5.67 0.07 -3.48	6.13 0.11 -2.92	6.61 0.10 -2.83	7.70 0.12 -2.55	6.94 0.10 -2.64	6.96 0.09 -2.36	7.28 0.10 -2.16	7.15 0.09 -2.40	7.30 0.10 -2.54	7.46 0.10 -2.76	7.83 0.10 -3.20	10.27 0.15 -4.47	13.33 0.29 -4.87	19.29 0.56 -3.72	20.43 0.57 -3.72	20.28 0.56 -3.17	15.38 0.40 -2.05	10.84 0.22 -2.55
GREENIDGE___4 23583	6.50 0.07 -3.69	5.68 0.05 -3.54	5.64 0.06 -3.44	5.62 0.07 -3.26	5.62 0.07 -3.22	5.60 0.08 -3.03	5.67 0.07 -3.48	6.13 0.11 -2.92	6.61 0.10 -2.83	7.70 0.12 -2.55	6.94 0.10 -2.64	6.96 0.09 -2.36	7.28 0.10 -2.16	7.15 0.09 -2.40	7.27 0.07 -2.54	7.46 0.10 -2.76	7.84 0.10 -3.20	10.27 0.15 -4.47	13.33 0.29 -4.87	19.30 0.56 -3.72	20.43 0.56 -3.72	20.28 0.56 -3.17	15.38 0.40 -2.05	10.84 0.22 -2.55
GREENLWN_69_KV_BK 3 55738	29.54 0.26 -26.53	27.16 0.20 -24.87	26.78 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.97 0.19 -16.65	21.00 0.29 -17.61	21.92 0.36 -17.87	22.95 0.51 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.90 0.46 -22.77	26.11 0.46 -21.00	31.17 0.46 -26.10	35.06 0.43 -30.09	44.77 0.58 -38.55	46.61 0.81 -37.63	47.67 1.44 -31.22	45.54 1.55 -27.84	39.48 1.60 -21.33	31.09 1.25 -16.91	25.41 0.75 -16.59
GREENWD_138_KV_38B11_REV_LBMP_J 345004	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.27 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.16 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.42	32.39 0.62 -23.60	34.09 1.11 -17.96	35.12 1.16 -17.82	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
GRISSOM___SOLAR 323813	28.85 0.25 -25.86	27.10 0.19 -24.81	26.45 0.20 -24.12	25.37 0.21 -22.87	25.11 0.21 -22.56	24.00 0.22 -21.29	26.70 0.18 -24.39	23.87 0.28 -20.48	23.86 0.31 -19.87	23.31 0.40 -17.88	23.06 0.32 -18.54	21.41 0.32 -16.57	20.56 0.35 -15.18	21.84 0.32 -16.85	22.83 0.31 -17.87	24.32 0.31 -19.40	27.38 0.36 -22.47	37.59 0.51 -31.44	43.09 0.86 -34.06	42.78 1.68 -26.08	44.08 1.79 -26.14	40.57 1.74 -22.29	28.63 1.28 -14.42	26.67 0.69 -17.91
GROVEVILLE___HYD 323602	20.55 0.17 -17.63	19.14 0.13 -16.91	18.70 0.12 -16.44	18.01 0.13 -15.59	17.85 0.13 -15.38	17.15 0.15 -14.51	18.87 0.12 -16.63	17.24 0.18 -13.96	17.45 0.23 -13.54	17.55 0.33 -12.18	17.10 0.26 -12.64	16.08 0.29 -11.28	15.67 0.31 -10.33	16.43 0.30 -11.47	17.12 0.30 -12.16	18.11 0.30 -13.20	20.11 0.28 -15.29	27.42 0.38 -21.40	32.27 0.57 -23.52	33.95 1.02 -17.91	35.06 1.11 -17.79	32.86 1.14 -15.17	23.61 0.87 -9.82	20.75 0.48 -12.19
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	4.90 -0.01 -2.16	4.17 0.00 -2.07	4.16 0.00 -2.02	4.20 0.00 -1.91	4.22 0.00 -1.89	4.27 0.00 -1.78	4.17 0.00 -2.04	4.82 0.00 -1.71	5.34 0.00 -1.66	6.52 -0.01 -1.49	5.75 -0.01 -1.55	5.88 -0.01 -1.38	6.27 -0.02 -1.27	6.05 -0.02 -1.41	6.13 -0.01 -1.49	6.21 -0.01 -1.62	6.41 -0.01 -1.88	8.27 0.00 -2.63	11.07 0.03 -2.86	17.28 0.08 -2.18	18.38 0.05 -2.18	18.46 0.05 -1.86	14.17 0.04 -1.20	9.57 0.00 -1.50
HAMLTNNY_34_KV_TB 80303	5.02 0.00 -2.28	4.28 0.00 -2.18	4.27 0.01 -2.12	4.31 0.01 -2.01	4.33 0.01 -1.99	4.37 0.00 -1.87	4.28 0.01 -2.15	4.92 0.01 -1.80	5.43 0.00 -1.75	6.61 0.00 -1.57	5.84 0.00 -1.63	5.96 0.00 -1.46	6.35 -0.01 -1.33	6.13 -0.01 -1.48	6.22 0.00 -1.57	6.31 0.00 -1.70	6.53 0.01 -1.98	8.43 0.02 -2.77	11.25 0.07 -3.01	17.45 0.14 -2.30	18.56 0.11 -2.30	18.60 0.10 -1.96	14.28 0.09 -1.27	9.67 0.02 -1.57
HAMPSHIRE___PAPER_HYD 323593	3.29 -0.05 -0.59	2.63 -0.04 -0.57	2.91 -0.05 -0.83	3.04 -0.06 -0.81	3.09 -0.06 -0.81	3.22 -0.06 -0.80	2.91 -0.05 -0.83	3.87 -0.07 -0.84	4.47 -0.10 -0.88	5.83 -0.12 -0.91	4.53 -0.10 -0.43	4.77 -0.12 -0.38	5.23 -0.14 -0.35	4.90 -0.15 -0.39	4.88 -0.18 -0.41	4.88 -0.18 -0.44	4.89 -0.16 -0.51	6.17 -0.19 -0.72	8.70 -0.26 -0.78	15.26 -0.36 -0.60	16.46 -0.29 -0.60	16.84 -0.22 -0.51	13.14 -0.12 -0.33	8.40 -0.08 -0.41
HARDSCRABBLE_WT_PWR 323673	2.69 -0.05 0.00	2.06 -0.04 0.00	2.10 -0.04 0.00	2.25 -0.04 0.00	2.30 -0.03 0.00	2.45 -0.04 0.00	2.09 -0.04 0.00	3.05 -0.06 0.00	3.62 -0.06 0.00	4.95 -0.09 0.00	4.15 -0.06 0.00	4.45 -0.06 0.00	4.96 -0.07 0.00	4.59 -0.07 0.00	4.56 -0.09 0.00	4.53 -0.07 0.00	4.46 -0.09 0.00	5.55 -0.10 0.00	8.06 -0.11 0.00	14.88 -0.14 0.00	16.03 -0.11 0.00	16.46 -0.08 0.00	12.87 -0.05 0.00	8.05 -0.02 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	19.44 0.16 -16.53	18.07 0.12 -15.86	17.67 0.12 -15.41	17.02 0.12 -14.62	16.88 0.12 -14.42	16.23 0.14 -13.61	17.83 0.11 -15.59	16.36 0.17 -13.09	16.60 0.22 -12.70	16.77 0.31 -11.42	16.30 0.25 -11.85	15.37 0.28 -10.58	15.02 0.31 -9.69	15.71 0.29 -10.76	16.35 0.30 -11.40	17.28 0.29 -12.38	19.15 0.27 -14.34	26.07 0.36 -20.06	30.79 0.53 -22.08	32.77 0.95 -16.81	33.85 1.02 -16.68	31.81 1.04 -14.22	22.92 0.79 -9.20	19.95 0.44 -11.43
HARSNRAD_115KV_TB1 81005	5.74 -0.03 -3.03	5.01 0.01 -2.90	5.00 0.04 -2.82	5.01 0.04 -2.68	5.01 0.04 -2.64	5.01 0.03 -2.49	4.99 0.01 -2.85	5.48 -0.02 -2.40	5.99 -0.02 -2.32	7.07 -0.06 -2.09	6.34 -0.03 -2.17	6.41 -0.03 -1.94	6.75 -0.05 -1.77	6.59 -0.04 -1.96	6.72 -0.02 -2.08	6.84 -0.04 -2.27	7.12 -0.06 -2.64	9.28 -0.06 -3.69	12.16 -0.03 -4.02	17.82 -0.27 -3.07	18.81 -0.40 -3.07	18.83 -0.33 -2.62	14.23 -0.39 -1.70	10.06 -0.12 -2.10
HARZA MOOSE___RIVER 24016	3.51 0.01 -0.76	2.83 0.00 -0.73	2.93 0.00 -0.78	3.04 0.00 -0.75	3.08 0.00 -0.74	3.20 0.00 -0.71	2.92 0.00 -0.79	3.82 0.01 -0.70	4.38 0.00 -0.70	5.73 0.03 -0.67	4.76 0.01 -0.54	4.99 -0.01 -0.49	5.46 -0.01 -0.44	5.14 -0.01 -0.49	5.16 -0.02 -0.52	5.16 -0.01 -0.57	5.19 -0.01 -0.66	6.57 0.01 -0.92	9.23 0.05 -1.00	16.01 0.23 -0.77	17.19 0.27 -0.77	17.46 0.26 -0.65	13.55 0.21 -0.42	8.70 0.10 -0.52

HDSNBRDG_115KV_BRDG_TB1 355580	4.70 -0.02 -1.98	3.98 -0.01 -1.90	3.98 -0.01 -1.84	4.03 -0.01 -1.75	4.05 -0.01 -1.72	4.11 -0.01 -1.63	3.98 -0.01 -1.86	4.66 -0.01 -1.57	5.18 -0.02 -1.52	6.37 -0.04 -1.37	5.59 -0.03 -1.42	5.74 -0.04 -1.27	6.15 -0.04 -1.16	5.91 -0.04 -1.29	5.99 -0.03 -1.36	6.05 -0.03 -1.48	6.23 -0.03 -1.72	8.02 -0.02 -2.40	10.78 -0.01 -2.61	17.01 0.00 -2.00	18.11 -0.03 -2.00	18.21 -0.03 -1.70	14.00 -0.03 -1.10	9.40 -0.04 -1.37
HELLGATE_13_KV_LD 55870	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.29 0.21 -13.98	17.50 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.42	32.37 0.60 -23.60	34.04 1.07 -17.96	35.09 1.13 -17.82	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.29 0.21 -13.98	17.50 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.42	32.37 0.60 -23.60	34.04 1.07 -17.96	35.09 1.13 -17.82	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
HEMPSTEAD____ 23647	29.50 0.22 -26.53	27.13 0.17 -24.87	26.75 0.16 -24.44	25.50 0.17 -23.04	25.80 0.18 -23.29	21.32 0.19 -18.63	18.94 0.16 -16.65	20.96 0.24 -17.62	21.86 0.31 -17.88	22.87 0.43 -17.40	24.17 0.34 -19.62	26.07 0.37 -21.18	26.04 0.42 -20.59	27.83 0.40 -22.77	26.08 0.43 -21.00	31.10 0.40 -26.10	35.00 0.37 -30.09	44.68 0.49 -38.55	46.47 0.68 -37.62	47.44 1.22 -31.21	45.29 1.31 -27.84	39.23 1.36 -21.33	30.91 1.07 -16.91	25.30 0.64 -16.59
HEWLETT__69_KV_BK3 55828	29.53 0.25 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.52 0.19 -23.04	25.83 0.20 -23.29	21.34 0.22 -18.63	18.96 0.18 -16.65	20.99 0.27 -17.61	21.90 0.35 -17.87	22.93 0.49 -17.40	24.22 0.39 -19.62	26.11 0.42 -21.18	26.09 0.47 -20.59	27.87 0.44 -22.77	26.08 0.43 -21.00	31.15 0.44 -26.10	35.04 0.41 -30.09	44.71 0.52 -38.55	46.52 0.73 -37.62	47.53 1.31 -31.21	45.39 1.40 -27.84	39.33 1.46 -21.33	31.01 1.18 -16.91	25.36 0.69 -16.59
HICKLING___1 23621	7.52 0.05 -4.72	6.68 0.05 -4.53	6.61 0.06 -4.40	6.54 0.07 -4.18	6.53 0.07 -4.12	6.45 0.08 -3.89	6.64 0.06 -4.45	6.94 0.10 -3.74	7.41 0.10 -3.63	8.42 0.12 -3.26	7.70 0.11 -3.39	7.64 0.11 -3.02	7.90 0.11 -2.77	7.84 0.11 -3.07	8.03 0.12 -3.26	8.25 0.11 -3.54	8.75 0.12 -4.09	11.54 0.17 -5.73	14.71 0.30 -6.23	20.31 0.53 -4.76	21.41 0.50 -4.76	21.12 0.51 -4.06	15.90 0.35 -2.63	11.55 0.22 -3.26
HICKLING___2 23622	7.52 0.05 -4.72	6.68 0.05 -4.53	6.61 0.06 -4.40	6.54 0.07 -4.18	6.53 0.07 -4.12	6.45 0.08 -3.89	6.64 0.06 -4.45	6.94 0.10 -3.74	7.41 0.10 -3.63	8.42 0.12 -3.26	7.70 0.11 -3.39	7.64 0.11 -3.02	7.90 0.11 -2.77	7.84 0.11 -3.07	8.03 0.12 -3.26	8.25 0.11 -3.54	8.75 0.12 -4.09	11.54 0.17 -5.73	14.71 0.30 -6.23	20.31 0.53 -4.76	21.41 0.50 -4.76	21.12 0.51 -4.06	15.90 0.35 -2.63	11.55 0.22 -3.26
HIGH FALLS___HY 23754	20.21 0.16 -17.29	18.81 0.12 -16.60	18.38 0.11 -16.13	17.70 0.11 -15.30	17.54 0.12 -15.09	16.86 0.13 -14.24	18.55 0.11 -16.31	16.96 0.16 -13.70	17.18 0.21 -13.29	17.29 0.30 -11.95	16.83 0.23 -12.40	15.83 0.25 -11.07	15.44 0.28 -10.14	16.18 0.27 -11.25	16.86 0.28 -11.93	17.83 0.28 -12.95	19.78 0.24 -15.00	26.98 0.34 -20.99	31.71 0.52 -23.01	33.49 0.93 -17.55	34.62 1.02 -17.46	32.49 1.06 -14.89	23.33 0.78 -9.63	20.46 0.43 -11.96
HILLBURN___GT 23639	19.69 0.17 -16.77	18.31 0.13 -16.09	17.90 0.12 -15.64	17.25 0.13 -14.83	17.10 0.13 -14.63	16.44 0.14 -13.81	18.06 0.12 -15.82	16.57 0.18 -13.28	16.80 0.24 -12.89	16.96 0.33 -11.59	16.50 0.27 -12.02	15.54 0.30 -10.73	15.19 0.33 -9.83	15.89 0.31 -10.91	16.54 0.32 -11.57	17.48 0.32 -12.56	19.38 0.29 -14.55	26.37 0.37 -20.36	31.11 0.52 -22.41	32.99 0.92 -17.06	34.06 0.99 -16.93	32.00 1.03 -14.43	23.04 0.78 -9.34	20.11 0.44 -11.59
HILLSIDE_115KV_TB1 80332	7.63 0.02 -4.86	6.79 0.03 -4.66	6.71 0.04 -4.53	6.63 0.04 -4.30	6.62 0.04 -4.24	6.54 0.04 -4.00	6.75 0.04 -4.59	7.01 0.06 -3.85	7.48 0.06 -3.74	8.46 0.07 -3.36	7.75 0.06 -3.49	7.68 0.06 -3.11	7.94 0.06 -2.85	7.88 0.06 -3.16	8.07 0.07 -3.35	8.31 0.06 -3.64	8.81 0.05 -4.21	11.62 0.08 -5.89	14.76 0.17 -6.41	20.19 0.27 -4.90	21.27 0.23 -4.90	20.97 0.25 -4.18	15.76 0.13 -2.70	11.51 0.08 -3.36
HISHELDN_WT_PWR 323625	6.25 -0.05 -3.55	5.47 -0.03 -3.41	5.45 0.00 -3.31	5.44 0.01 -3.14	5.44 0.01 -3.10	5.42 0.01 -2.92	5.47 0.00 -3.35	5.91 0.00 -2.81	6.41 0.00 -2.73	7.47 -0.03 -2.45	6.74 -0.01 -2.54	6.78 0.00 -2.27	7.09 -0.02 -2.08	6.96 -0.01 -2.31	7.07 -0.03 -2.45	7.25 -0.01 -2.66	7.60 -0.02 -3.08	9.95 -0.01 -4.31	12.91 0.05 -4.69	18.53 -0.07 -3.59	19.57 -0.16 -3.58	19.50 -0.10 -3.05	14.71 -0.19 -1.98	10.50 -0.03 -2.45
HOLTSVILLE_IC_1 23690	29.52 0.24 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.20 -23.29	21.35 0.22 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.90 0.35 -17.88	22.93 0.49 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.14 0.49 -21.00	31.12 0.41 -26.10	35.02 0.39 -30.09	44.73 0.54 -38.55	46.56 0.76 -37.62	47.58 1.35 -31.21	45.42 1.44 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.69 -16.59
HOLTSVILLE_IC_10 23699	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.40 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.18 0.53 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.78 0.59 -38.55	46.64 0.84 -37.62	47.72 1.49 -31.21	45.57 1.58 -27.84	39.53 1.65 -21.33	31.09 1.25 -16.91	25.41 0.75 -16.59
HOLTSVILLE_IC_2 23691	29.52 0.24 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.20 -23.29	21.35 0.22 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.90 0.35 -17.88	22.93 0.49 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.14 0.49 -21.00	31.12 0.41 -26.10	35.02 0.39 -30.09	44.73 0.54 -38.55	46.56 0.76 -37.62	47.58 1.35 -31.21	45.42 1.44 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.69 -16.59
HOLTSVILLE_IC_3 23692	29.52 0.24 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.20 -23.29	21.35 0.22 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.90 0.35 -17.88	22.93 0.49 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.14 0.49 -21.00	31.12 0.41 -26.10	35.02 0.39 -30.09	44.73 0.54 -38.55	46.56 0.76 -37.62	47.58 1.35 -31.21	45.42 1.44 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.69 -16.59

HOLTSVILLE_IC_4 23693	29.52 0.24 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.20 -23.29	21.35 0.22 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.90 0.35 -17.88	22.93 0.49 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.14 0.49 -21.00	31.12 0.41 -26.10	35.02 0.39 -30.09	44.73 0.54 -38.55	46.56 0.76 -37.62	47.58 1.35 -31.21	45.42 1.44 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.69 -16.59
HOLTSVILLE_IC_5 23694	29.52 0.24 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.20 -23.29	21.35 0.22 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.90 0.35 -17.88	22.93 0.49 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.14 0.49 -21.00	31.12 0.41 -26.10	35.02 0.39 -30.09	44.73 0.54 -38.55	46.56 0.76 -37.62	47.58 1.35 -31.21	45.42 1.44 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.69 -16.59
HOLTSVILLE_IC_6 23695	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.40 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.18 0.53 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.78 0.59 -38.55	46.64 0.84 -37.62	47.72 1.49 -31.21	45.57 1.58 -27.84	39.53 1.65 -21.33	31.09 1.25 -16.91	25.41 0.75 -16.59
HOLTSVILLE_IC_7 23696	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.40 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.18 0.53 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.78 0.59 -38.55	46.64 0.84 -37.62	47.72 1.49 -31.21	45.57 1.58 -27.84	39.53 1.65 -21.33	31.09 1.25 -16.91	25.41 0.75 -16.59
HOLTSVILLE_IC_8 23697	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.40 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.18 0.53 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.78 0.59 -38.55	46.64 0.84 -37.62	47.72 1.49 -31.21	45.57 1.58 -27.84	39.53 1.65 -21.33	31.09 1.25 -16.91	25.41 0.75 -16.59
HOLTSVILLE_IC_9 23698	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.40 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.18 0.53 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.78 0.59 -38.55	46.64 0.84 -37.62	47.72 1.49 -31.21	45.57 1.58 -27.84	39.53 1.65 -21.33	31.09 1.25 -16.91	25.41 0.75 -16.59
HOMER_HL_115KV_TB2 355744	6.36 -0.03 -3.64	5.58 -0.01 -3.49	5.54 0.01 -3.39	5.52 0.01 -3.22	5.52 0.01 -3.17	5.50 0.01 -3.00	5.56 0.01 -3.43	6.00 0.02 -2.88	6.50 0.02 -2.80	7.55 0.00 -2.52	6.82 0.00 -2.61	6.85 0.01 -2.33	7.15 -0.01 -2.13	7.03 0.00 -2.37	7.17 0.01 -2.51	7.33 0.00 -2.72	7.71 0.00 -3.17	10.09 0.01 -4.43	13.08 0.08 -4.83	18.74 0.03 -3.69	19.78 -0.05 -3.69	19.69 0.00 -3.14	14.83 -0.13 -2.03	10.58 -0.02 -2.53
HOWARD_WT_PWR 323690	6.66 0.12 -3.79	5.83 0.09 -3.64	5.79 0.12 -3.54	5.77 0.13 -3.35	5.78 0.13 -3.31	5.76 0.15 -3.12	5.83 0.13 -3.58	6.30 0.20 -3.00	6.79 0.20 -2.91	7.90 0.25 -2.62	7.12 0.20 -2.72	7.14 0.20 -2.43	7.45 0.20 -2.22	7.31 0.18 -2.47	7.44 0.17 -2.62	7.64 0.19 -2.84	8.03 0.20 -3.29	10.53 0.29 -4.60	13.72 0.53 -5.01	19.90 1.05 -3.83	21.09 1.11 -3.83	20.92 1.11 -3.26	15.87 0.83 -2.11	11.18 0.48 -2.62
HQ_GEN_CEDARS 23644	2.69 -0.06 0.00	2.04 -0.05 0.00	2.22 -0.06 -0.13	2.37 -0.06 -0.14	2.41 -0.07 -0.14	2.57 -0.07 -0.15	2.20 -0.06 -0.13	3.20 -0.08 -0.18	3.79 -0.11 -0.21	5.15 -0.14 -0.25	4.09 -0.11 0.00	4.39 -0.12 0.00	4.90 -0.13 0.00	4.53 -0.13 0.00	4.50 -0.15 0.00	4.45 -0.15 0.00	4.40 -0.15 0.00	5.44 -0.20 0.00	7.88 -0.29 0.00	14.49 -0.53 0.00	15.65 -0.50 0.00	16.07 -0.48 0.00	12.59 -0.34 0.00	7.88 -0.19 0.00
HQ_GEN_CEDARS_PROXY 323590	2.69 -0.06 0.00	2.04 -0.05 0.00	2.22 -0.06 -0.13	2.37 -0.06 -0.14	2.41 -0.07 -0.14	2.57 -0.07 -0.15	2.20 -0.06 -0.13	3.20 -0.08 -0.18	3.79 -0.11 -0.21	5.15 -0.14 -0.25	4.09 -0.11 0.00	4.39 -0.12 0.00	4.90 -0.13 0.00	4.53 -0.13 0.00	4.50 -0.15 0.00	4.45 -0.15 0.00	4.40 -0.15 0.00	5.44 -0.20 0.00	7.88 -0.29 0.00	14.49 -0.53 0.00	15.65 -0.50 0.00	16.06 -0.48 0.00	12.59 -0.34 0.00	7.88 -0.19 0.00
HQ_GEN_IMPORT 323601	2.69 -0.05 0.00	2.06 -0.04 0.00	2.10 -0.05 0.00	2.24 -0.05 0.00	2.29 -0.05 0.00	2.44 -0.05 0.00	2.08 -0.04 0.00	3.04 -0.07 0.00	3.60 -0.08 0.00	4.93 -0.11 0.00	4.12 -0.09 0.00	4.42 -0.09 0.00	4.93 -0.10 0.00	4.56 -0.10 0.00	4.55 -0.10 0.00	4.50 -0.10 0.00	4.45 -0.10 0.00	5.51 -0.14 0.00	7.97 -0.20 0.00	14.64 -0.37 0.00	15.76 -0.39 0.00	16.15 -0.40 0.00	12.63 -0.30 0.00	7.91 -0.17 0.00
HQ_GEN_WHEEL 23651	2.69 -0.05 0.00	2.06 -0.04 0.00	2.10 -0.05 0.00	2.24 -0.05 0.00	2.29 -0.05 0.00	2.44 -0.05 0.00	2.08 -0.04 0.00	3.04 -0.07 0.00	3.60 -0.08 0.00	4.93 -0.11 0.00	4.12 -0.09 0.00	4.42 -0.09 0.00	4.93 -0.10 0.00	4.56 -0.10 0.00	4.55 -0.10 0.00	4.50 -0.10 0.00	4.45 -0.10 0.00	5.51 -0.14 0.00	7.97 -0.20 0.00	14.64 -0.37 0.00	15.76 -0.39 0.00	16.15 -0.40 0.00	12.63 -0.30 0.00	7.91 -0.17 0.00
HUDSON_AVE_GT_3 23810	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.63 0.39 -12.20	17.18 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.52 0.45 -21.43	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.68 0.93 -9.83	20.83 0.55 -12.20
HUDSON_AVE_GT_4 23540	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.63 0.39 -12.20	17.18 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.52 0.45 -21.43	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.68 0.93 -9.83	20.83 0.55 -12.20
HUDSON_AVE_GT_5 23657	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.63 0.39 -12.20	17.18 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.52 0.45 -21.43	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.68 0.93 -9.83	20.83 0.55 -12.20

HUDSON_AVE_10 24168	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.03 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.20 0.37 -12.18	18.19 0.36 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.42	32.36 0.59 -23.59	34.01 1.04 -17.96	35.08 1.11 -17.82	32.89 1.16 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
HUDSON___115KV_TB 4 355613	24.12 0.13 -21.25	22.58 0.10 -20.39	22.06 0.11 -19.82	21.19 0.11 -18.79	20.99 0.11 -18.54	20.10 0.12 -17.49	22.25 0.10 -20.03	20.07 0.15 -16.82	20.17 0.18 -16.31	19.95 0.23 -14.68	19.62 0.19 -15.22	18.30 0.20 -13.59	17.69 0.22 -12.44	18.69 0.21 -13.82	19.50 0.20 -14.65	20.71 0.21 -15.90	23.19 0.23 -18.42	31.71 0.29 -25.78	36.59 0.50 -27.92	37.33 0.93 -21.39	38.60 1.00 -21.45	35.81 0.98 -18.29	25.49 0.74 -11.83	23.18 0.41 -14.69
HUNTER MOUNT___DRP 323613	23.46 0.13 -20.59	21.95 0.10 -19.75	21.45 0.10 -19.20	20.61 0.11 -18.21	20.41 0.11 -17.96	19.56 0.12 -16.95	21.63 0.10 -19.41	19.54 0.15 -16.30	19.66 0.17 -15.81	19.47 0.22 -14.22	19.13 0.17 -14.75	17.87 0.19 -13.17	17.28 0.20 -12.06	18.24 0.19 -13.39	19.03 0.18 -14.20	20.20 0.18 -15.41	22.61 0.22 -17.85	30.91 0.29 -24.98	35.81 0.52 -27.11	36.76 0.99 -20.75	38.03 1.10 -20.78	35.31 1.04 -17.72	25.18 0.79 -11.46	22.74 0.43 -14.23
HUNTINGTON_RES_REC 323705	29.54 0.26 -26.53	27.16 0.20 -24.87	26.78 0.19 -24.44	25.53 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.19 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.94 0.50 -17.40	24.22 0.40 -19.62	26.13 0.43 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.17 0.52 -21.00	31.16 0.46 -26.10	35.07 0.44 -30.09	44.79 0.60 -38.55	46.64 0.84 -37.63	47.73 1.50 -31.21	45.59 1.60 -27.84	39.55 1.67 -21.33	31.12 1.28 -16.91	25.43 0.77 -16.59
HUNTLEY___63 23557	5.85 -0.02 -3.12	5.10 0.01 -2.99	5.09 0.04 -2.91	5.09 0.04 -2.76	5.09 0.04 -2.72	5.09 0.03 -2.57	5.08 0.01 -2.94	5.58 0.00 -2.47	6.08 0.00 -2.40	7.17 -0.03 -2.16	6.43 -0.01 -2.24	6.51 0.00 -2.00	6.82 -0.02 -1.81	6.66 -0.01 -2.01	6.80 0.01 -2.14	6.93 -0.01 -2.34	7.24 -0.03 -2.72	9.42 -0.02 -3.80	12.34 0.02 -4.14	18.02 -0.17 -3.17	19.02 -0.29 -3.16	19.01 -0.23 -2.70	14.38 -0.30 -1.75	10.18 -0.06 -2.17
HUNTLEY___64 23558	5.85 -0.02 -3.12	5.10 0.01 -2.99	5.09 0.04 -2.91	5.09 0.04 -2.76	5.09 0.04 -2.72	5.09 0.03 -2.57	5.08 0.01 -2.94	5.58 0.00 -2.47	6.08 0.00 -2.40	7.17 -0.03 -2.16	6.43 -0.01 -2.24	6.51 0.00 -2.00	6.82 -0.02 -1.81	6.66 -0.01 -2.01	6.80 0.01 -2.14	6.93 -0.01 -2.34	7.24 -0.03 -2.72	9.42 -0.02 -3.80	12.34 0.02 -4.14	18.02 -0.17 -3.17	19.02 -0.29 -3.16	19.01 -0.23 -2.70	14.38 -0.30 -1.75	10.18 -0.06 -2.17
HUNTLEY___65 23559	5.85 -0.02 -3.12	5.10 0.01 -2.99	5.09 0.04 -2.91	5.09 0.04 -2.76	5.09 0.04 -2.72	5.09 0.03 -2.57	5.08 0.01 -2.94	5.58 0.00 -2.47	6.08 0.00 -2.40	7.17 -0.03 -2.16	6.43 -0.01 -2.24	6.51 0.00 -2.00	6.82 -0.02 -1.81	6.66 -0.01 -2.01	6.80 0.01 -2.14	6.93 -0.01 -2.34	7.24 -0.03 -2.72	9.42 -0.02 -3.80	12.34 0.02 -4.14	18.02 -0.17 -3.17	19.02 -0.29 -3.16	19.01 -0.23 -2.70	14.38 -0.30 -1.75	10.18 -0.06 -2.17
HUNTLEY___66 23560	5.85 -0.02 -3.12	5.10 0.01 -2.99	5.09 0.04 -2.91	5.09 0.04 -2.76	5.09 0.04 -2.72	5.09 0.03 -2.57	5.08 0.01 -2.94	5.58 0.00 -2.47	6.08 0.00 -2.40	7.17 -0.03 -2.16	6.43 -0.01 -2.24	6.51 0.00 -2.00	6.82 -0.02 -1.81	6.66 -0.01 -2.01	6.80 0.01 -2.14	6.93 -0.01 -2.34	7.24 -0.03 -2.72	9.42 -0.02 -3.80	12.34 0.02 -4.14	18.02 -0.17 -3.17	19.02 -0.29 -3.16	19.01 -0.23 -2.70	14.38 -0.30 -1.75	10.18 -0.06 -2.17
HUNTLEY___67 23561	5.89 -0.03 -3.17	5.14 0.00 -3.04	5.12 0.02 -2.96	5.12 0.03 -2.80	5.12 0.02 -2.76	5.12 0.02 -2.61	5.12 0.00 -2.99	5.61 0.00 -2.51	6.11 0.00 -2.43	7.19 -0.04 -2.19	6.46 -0.02 -2.27	6.53 -0.01 -2.03	6.85 -0.03 -1.86	6.71 -0.02 -2.06	6.84 0.00 -2.19	6.96 -0.02 -2.37	7.28 -0.03 -2.77	9.50 -0.03 -3.88	12.41 0.01 -4.23	18.05 -0.20 -3.23	19.05 -0.32 -3.23	19.05 -0.25 -2.75	14.38 -0.32 -1.78	10.19 -0.10 -2.21
HUNTLEY___68 23562	5.89 -0.03 -3.17	5.14 0.00 -3.04	5.12 0.02 -2.96	5.12 0.03 -2.80	5.12 0.02 -2.76	5.12 0.02 -2.61	5.12 0.00 -2.99	5.61 0.00 -2.51	6.11 0.00 -2.43	7.19 -0.04 -2.19	6.46 -0.02 -2.27	6.53 -0.01 -2.03	6.85 -0.03 -1.86	6.71 -0.02 -2.06	6.84 0.00 -2.19	6.96 -0.02 -2.37	7.28 -0.03 -2.77	9.50 -0.03 -3.88	12.41 0.01 -4.23	18.05 -0.20 -3.23	19.05 -0.32 -3.23	19.05 -0.25 -2.75	14.38 -0.32 -1.78	10.19 -0.10 -2.21
HYLAND___LFGE 323620	6.06 0.18 -3.13	5.23 0.13 -3.01	5.21 0.15 -2.92	5.22 0.16 -2.77	5.22 0.16 -2.73	5.24 0.17 -2.58	5.23 0.15 -2.95	5.78 0.19 -2.48	6.23 0.14 -2.41	7.33 0.13 -2.17	6.54 0.09 -2.25	6.60 0.08 -2.00	6.94 0.08 -1.84	6.77 0.07 -2.04	6.93 0.12 -2.16	7.04 0.09 -2.35	7.44 0.18 -2.72	9.73 0.28 -3.80	12.92 0.60 -4.14	19.52 1.34 -3.16	20.76 1.45 -3.16	20.75 1.51 -2.70	15.78 1.11 -1.74	10.91 0.67 -2.17
INDECK___CORINTH 23802	25.68 0.12 -22.81	24.08 0.09 -21.89	23.51 0.10 -21.28	22.57 0.11 -20.18	22.34 0.11 -19.90	21.38 0.11 -18.78	23.74 0.09 -21.52	21.32 0.15 -18.07	21.38 0.17 -17.53	21.04 0.24 -15.77	20.77 0.21 -16.36	19.34 0.21 -14.62	18.65 0.23 -13.39	19.75 0.22 -14.87	20.65 0.23 -15.76	21.92 0.21 -17.11	24.63 0.26 -19.82	33.72 0.33 -27.74	38.65 0.53 -29.94	39.00 1.02 -22.96	40.29 1.08 -23.06	37.22 1.01 -19.66	26.40 0.75 -12.72	24.28 0.41 -15.80
INDECK___ILION 23567	2.74 -0.01 0.00	2.09 -0.01 0.00	2.13 -0.01 0.00	2.28 -0.01 0.00	2.33 0.00 0.00	2.48 0.00 0.00	2.12 -0.01 0.00	3.09 -0.01 0.00	3.67 -0.01 0.00	5.03 -0.01 0.00	4.20 0.00 0.00	4.50 -0.01 0.00	5.02 -0.01 0.00	4.65 -0.01 0.00	4.64 -0.01 0.00	4.60 -0.01 0.00	4.52 -0.02 0.00	5.63 -0.02 0.00	8.17 -0.01 0.00	15.03 0.02 0.00	16.18 0.03 0.00	16.59 0.05 0.00	12.95 0.03 0.00	8.09 0.02 0.00
INDECK___OLEAN 23982	6.36 -0.03 -3.64	5.57 -0.02 -3.49	5.54 0.01 -3.39	5.52 0.01 -3.22	5.52 0.01 -3.17	5.50 0.02 -3.00	5.56 0.01 -3.43	6.00 0.02 -2.88	6.50 0.02 -2.80	7.55 0.00 -2.52	6.82 0.00 -2.61	6.85 0.01 -2.33	7.15 -0.01 -2.13	7.03 0.00 -2.37	7.14 -0.02 -2.51	7.33 0.00 -2.72	7.69 -0.01 -3.16	10.07 0.01 -4.42	13.06 0.08 -4.81	18.72 0.03 -3.67	19.77 -0.05 -3.67	19.68 0.00 -3.13	14.82 -0.13 -2.03	10.57 -0.02 -2.52
INDECK___OSWEGO 23783	4.46 -0.05 -1.77	3.75 -0.04 -1.70	3.75 -0.04 -1.65	3.81 -0.04 -1.57	3.84 -0.04 -1.55	3.90 -0.04 -1.46	3.76 -0.04 -1.67	4.45 -0.06 -1.40	4.97 -0.07 -1.36	6.16 -0.10 -1.22	5.39 -0.08 -1.27	5.54 -0.10 -1.13	5.95 -0.11 -1.04	5.71 -0.10 -1.15	5.76 -0.11 -1.22	5.83 -0.10 -1.33	5.98 -0.10 -1.54	7.68 -0.11 -2.15	10.38 -0.14 -2.34	16.57 -0.24 -1.79	17.66 -0.27 -1.79	17.79 -0.28 -1.52	13.70 -0.21 -0.99	9.16 -0.15 -1.23

INDECK___YERKES 23781	5.85 -0.01 -3.12	5.08 -0.01 -2.99	5.09 0.04 -2.91	5.09 0.04 -2.76	5.09 0.04 -2.72	5.09 0.04 -2.57	5.08 0.02 -2.94	5.58 0.01 -2.47	6.08 0.01 -2.40	7.17 -0.02 -2.16	6.44 0.00 -2.24	6.51 0.00 -2.00	6.82 -0.02 -1.81	6.66 -0.01 -2.01	6.75 -0.04 -2.14	6.93 -0.01 -2.34	7.22 -0.02 -2.70	9.40 -0.02 -3.78	12.31 0.02 -4.11	18.01 -0.15 -3.14	19.00 -0.29 -3.14	19.01 -0.22 -2.68	14.38 -0.28 -1.74	10.18 -0.06 -2.16
INDIAN POINT_GT_1 24139	20.38 0.17 -17.46	18.98 0.13 -16.76	18.55 0.12 -16.29	17.86 0.12 -15.45	17.70 0.13 -15.24	17.01 0.14 -14.38	18.72 0.12 -16.47	17.11 0.18 -13.83	17.33 0.23 -13.42	17.44 0.33 -12.07	17.00 0.27 -12.52	15.98 0.29 -11.17	15.59 0.33 -10.24	16.34 0.31 -11.37	17.02 0.32 -12.05	17.99 0.31 -13.08	19.98 0.29 -15.15	27.22 0.38 -21.20	32.05 0.53 -23.35	33.73 0.95 -17.77	34.79 1.02 -17.63	32.63 1.06 -15.03	23.45 0.80 -9.72	20.61 0.46 -12.07
INDIAN POINT_GT_2 23659	20.38 0.17 -17.46	18.98 0.13 -16.76	18.55 0.12 -16.29	17.86 0.12 -15.45	17.70 0.13 -15.24	17.01 0.14 -14.38	18.72 0.12 -16.47	17.11 0.18 -13.83	17.33 0.23 -13.42	17.44 0.33 -12.07	17.00 0.27 -12.52	15.98 0.29 -11.17	15.59 0.33 -10.24	16.34 0.31 -11.37	17.02 0.32 -12.05	17.99 0.31 -13.08	19.98 0.29 -15.15	27.22 0.38 -21.20	32.05 0.53 -23.35	33.73 0.95 -17.77	34.79 1.02 -17.63	32.63 1.06 -15.03	23.45 0.80 -9.72	20.61 0.46 -12.07
INDIAN POINT_GT_3 24019	20.38 0.17 -17.46	18.98 0.13 -16.76	18.55 0.12 -16.29	17.86 0.12 -15.45	17.70 0.13 -15.24	17.01 0.14 -14.38	18.72 0.12 -16.47	17.11 0.18 -13.83	17.33 0.23 -13.42	17.44 0.33 -12.07	17.00 0.27 -12.52	15.98 0.29 -11.17	15.59 0.33 -10.24	16.34 0.31 -11.37	17.02 0.32 -12.05	17.99 0.31 -13.08	19.98 0.29 -15.15	27.22 0.38 -21.20	32.05 0.53 -23.35	33.73 0.95 -17.77	34.79 1.02 -17.63	32.63 1.06 -15.03	23.45 0.80 -9.72	20.61 0.46 -12.07
INDIAN POINT___2 23530	20.13 0.17 -17.21	18.74 0.12 -16.52	18.31 0.12 -16.05	17.64 0.12 -15.22	17.48 0.13 -15.02	16.80 0.14 -14.17	18.48 0.12 -16.24	16.91 0.18 -13.63	17.14 0.23 -13.23	17.26 0.33 -11.90	16.82 0.27 -12.34	15.82 0.29 -11.01	15.45 0.33 -10.09	16.18 0.31 -11.20	16.85 0.32 -11.88	17.81 0.31 -12.89	19.76 0.29 -14.93	26.92 0.38 -20.90	31.71 0.53 -23.01	33.48 0.95 -17.51	34.52 1.00 -17.38	32.40 1.04 -14.81	23.31 0.80 -9.58	20.44 0.46 -11.90
INDIAN POINT___3 23531	20.39 0.17 -17.47	18.99 0.12 -16.77	18.56 0.12 -16.30	17.87 0.12 -15.45	17.71 0.13 -15.24	17.02 0.14 -14.39	18.72 0.12 -16.48	17.12 0.18 -13.84	17.34 0.23 -13.42	17.44 0.33 -12.08	17.00 0.27 -12.53	15.98 0.29 -11.18	15.60 0.33 -10.24	16.34 0.31 -11.37	17.02 0.31 -12.06	18.00 0.31 -13.09	19.99 0.29 -15.16	27.23 0.38 -21.21	32.06 0.52 -23.36	33.73 0.93 -17.78	34.79 1.00 -17.64	32.63 1.04 -15.04	23.44 0.79 -9.73	20.62 0.46 -12.08
INGHAM_C_115KV_TB7 356103	2.70 -0.05 0.00	2.06 -0.03 0.00	2.11 -0.03 0.00	2.26 -0.03 0.00	2.30 -0.03 0.00	2.45 -0.03 0.00	2.09 -0.03 0.00	3.05 -0.05 0.00	3.63 -0.06 0.00	4.96 -0.08 0.00	4.15 -0.05 0.00	4.45 -0.06 0.00	4.96 -0.07 0.00	4.60 -0.07 0.00	4.58 -0.07 0.00	4.54 -0.07 0.00	4.46 -0.09 0.00	5.55 -0.09 0.00	8.06 -0.11 0.00	14.88 -0.14 0.00	16.03 -0.11 0.00	16.46 -0.08 0.00	12.86 -0.06 0.00	8.04 -0.03 0.00
IP CORINTH___1 23988	25.68 0.12 -22.81	24.08 0.09 -21.89	23.51 0.10 -21.28	22.57 0.11 -20.18	22.34 0.11 -19.90	21.38 0.11 -18.78	23.77 0.09 -21.55	21.35 0.15 -18.10	21.41 0.17 -17.55	21.07 0.24 -15.79	20.79 0.21 -16.38	19.34 0.21 -14.62	18.65 0.23 -13.39	19.75 0.22 -14.87	20.63 0.21 -15.76	21.92 0.21 -17.11	24.63 0.26 -19.82	33.71 0.33 -27.74	38.60 0.53 -29.90	38.96 1.02 -22.93	40.26 1.08 -23.03	37.19 1.01 -19.63	26.38 0.75 -12.70	24.26 0.41 -15.77
IP___TICONDEROGA 23804	25.75 0.23 -22.78	24.12 0.17 -21.86	23.57 0.18 -21.24	22.63 0.19 -20.15	22.40 0.19 -19.87	21.44 0.20 -18.75	23.81 0.17 -21.52	21.44 0.27 -18.07	21.52 0.31 -17.53	21.23 0.42 -15.77	20.92 0.36 -16.35	19.48 0.37 -14.60	18.80 0.41 -13.37	19.90 0.39 -14.85	20.77 0.38 -15.74	22.05 0.36 -17.08	24.79 0.45 -19.79	33.91 0.57 -27.69	38.94 0.92 -29.85	39.68 1.77 -22.89	41.03 1.89 -23.00	37.90 1.75 -19.60	26.90 1.29 -12.68	24.53 0.70 -15.75
ISLIP_RES_REC 323679	29.54 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.54 0.22 -23.04	25.85 0.22 -23.29	21.36 0.24 -18.63	18.98 0.20 -16.65	21.02 0.30 -17.62	21.93 0.38 -17.88	22.97 0.52 -17.40	24.23 0.40 -19.62	26.14 0.44 -21.18	26.11 0.49 -20.59	27.90 0.47 -22.77	26.19 0.54 -21.00	31.16 0.46 -26.10	35.08 0.45 -30.09	44.81 0.62 -38.55	46.68 0.88 -37.62	47.81 1.58 -31.21	45.65 1.66 -27.84	39.61 1.74 -21.33	31.16 1.32 -16.91	25.44 0.78 -16.59
JAMAICA__27_KV_LOAD 355505	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.52 0.28 -13.56	17.64 0.41 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.42	32.37 0.60 -23.59	34.03 1.05 -17.96	35.09 1.13 -17.82	32.91 1.17 -15.19	23.70 0.94 -9.83	20.84 0.57 -12.20
JANIS___SOLAR 323808	7.81 0.11 -4.95	6.94 0.10 -4.75	6.84 0.09 -4.62	6.76 0.09 -4.38	6.75 0.10 -4.32	6.67 0.10 -4.07	6.88 0.09 -4.67	7.15 0.13 -3.92	7.60 0.12 -3.80	8.57 0.11 -3.42	7.83 0.07 -3.55	7.72 0.05 -3.17	7.98 0.05 -2.90	7.93 0.05 -3.22	8.12 0.05 -3.42	8.37 0.06 -3.71	8.93 0.09 -4.29	11.84 0.19 -6.01	15.09 0.38 -6.54	20.92 0.90 -5.00	22.14 1.00 -5.00	21.75 0.94 -4.26	16.41 0.72 -2.76	11.90 0.40 -3.42
JARVIS____ 23743	2.75 0.01 0.00	2.10 0.00 0.00	2.14 0.00 0.00	2.29 0.00 0.00	2.34 0.00 0.00	2.49 0.00 0.00	2.13 0.00 0.00	3.11 0.01 0.00	3.69 0.01 0.00	5.05 0.02 0.00	4.22 0.01 0.00	4.52 0.01 0.00	5.04 0.01 0.00	4.68 0.01 0.00	4.66 0.01 0.00	4.62 0.01 0.00	4.56 0.01 0.00	5.66 0.02 0.00	8.21 0.03 0.00	15.09 0.08 0.00	16.23 0.08 0.00	16.63 0.08 0.00	12.98 0.05 0.00	8.10 0.02 0.00
JENNISON___1 23625	9.06 0.13 -6.18	8.13 0.10 -5.93	8.01 0.10 -5.77	7.86 0.11 -5.47	7.84 0.11 -5.39	7.70 0.12 -5.09	8.06 0.10 -5.83	8.16 0.16 -4.90	8.61 0.18 -4.75	9.53 0.22 -4.28	8.81 0.17 -4.43	8.61 0.14 -3.96	8.81 0.16 -3.62	8.84 0.15 -4.03	9.08 0.16 -4.27	9.39 0.16 -4.63	10.07 0.17 -5.36	13.42 0.27 -7.50	16.79 0.45 -8.17	22.25 0.99 -6.24	23.48 1.10 -6.24	22.91 1.04 -5.32	17.15 0.79 -3.44	12.79 0.44 -4.27
JENNISON___2 23626	9.06 0.13 -6.18	8.13 0.10 -5.93	8.01 0.10 -5.77	7.86 0.11 -5.47	7.84 0.11 -5.39	7.70 0.12 -5.09	8.06 0.10 -5.83	8.16 0.16 -4.90	8.61 0.18 -4.75	9.53 0.22 -4.28	8.81 0.17 -4.43	8.61 0.14 -3.96	8.81 0.16 -3.62	8.84 0.15 -4.03	9.08 0.16 -4.27	9.39 0.16 -4.63	10.07 0.17 -5.36	13.42 0.27 -7.50	16.79 0.45 -8.17	22.25 0.99 -6.24	23.48 1.10 -6.24	22.91 1.04 -5.32	17.15 0.79 -3.44	12.79 0.44 -4.27

JERICO_RISE_WT_PWR 323719	2.63 -0.12 0.00	1.97 -0.13 0.00	-0.72 -0.15 2.70	-0.73 -0.16 2.85	-0.74 -0.17 2.91	-0.73 -0.18 3.05	-0.72 -0.15 2.69	-0.78 -0.21 3.67	-0.82 -0.26 4.24	-0.29 -0.34 4.99	3.93 -0.27 0.00	4.26 -0.25 0.00	4.76 -0.27 0.00	4.42 -0.24 0.00	4.43 -0.22 0.00	4.35 -0.26 0.00	4.31 -0.23 0.00	5.37 -0.27 0.00	7.81 -0.37 0.00	14.37 -0.65 0.00	15.53 -0.61 0.00	15.95 -0.59 0.00	12.54 -0.39 0.00	7.91 -0.17 0.00
KATONAH__115KV_46KV_TB4 355592	20.80 0.18 -17.87	19.38 0.13 -17.15	18.93 0.13 -16.67	18.22 0.13 -15.81	18.06 0.14 -15.59	17.35 0.15 -14.71	19.10 0.12 -16.86	17.44 0.18 -14.15	17.64 0.23 -13.73	17.72 0.33 -12.35	17.30 0.28 -12.81	16.23 0.29 -11.43	15.83 0.33 -10.47	16.60 0.31 -11.63	17.29 0.31 -12.33	18.30 0.31 -13.38	20.34 0.29 -15.50	27.73 0.39 -21.69	32.62 0.56 -23.89	34.22 1.02 -18.18	35.27 1.08 -18.04	33.05 1.13 -15.38	23.74 0.87 -9.95	20.91 0.48 -12.36
KCE_NY_1 323755	25.61 0.14 -22.73	24.01 0.10 -21.81	23.45 0.11 -21.20	22.51 0.12 -20.10	22.29 0.12 -19.83	21.33 0.13 -18.71	23.67 0.11 -21.44	21.27 0.16 -18.00	21.34 0.19 -17.46	21.01 0.26 -15.71	20.72 0.22 -16.30	19.31 0.23 -14.56	18.63 0.26 -13.34	19.72 0.24 -14.81	20.61 0.25 -15.70	21.89 0.23 -17.05	24.56 0.27 -19.75	33.61 0.33 -27.63	38.50 0.52 -29.81	38.86 0.98 -22.86	40.16 1.03 -22.98	37.14 1.01 -19.59	26.36 0.76 -12.67	24.25 0.44 -15.74
KCE_NY_6_ESR 323823	6.03 -0.02 -3.30	5.25 -0.01 -3.17	5.25 0.03 -3.08	5.24 0.03 -2.92	5.24 0.03 -2.88	5.24 0.03 -2.72	5.25 0.02 -3.11	5.73 0.02 -2.61	6.24 0.02 -2.54	7.32 0.00 -2.28	6.59 0.02 -2.37	6.64 0.02 -2.11	6.96 0.01 -1.93	6.82 0.01 -2.14	6.91 -0.01 -2.27	7.09 0.01 -2.47	7.41 0.00 -2.86	9.67 0.02 -4.00	12.62 0.09 -4.36	18.33 -0.01 -3.33	19.35 -0.13 -3.33	19.33 -0.05 -2.84	14.59 -0.17 -1.84	10.35 -0.01 -2.28
KEDC_PORT_JEFF_GT2 24210	29.53 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.39 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.17 0.52 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.70 1.47 -31.21	45.54 1.55 -27.84	39.50 1.62 -21.33	31.08 1.24 -16.91	25.40 0.74 -16.59
KEDC_PORT_JEFF_GT3 24211	29.53 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.39 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.17 0.52 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.70 1.47 -31.21	45.54 1.55 -27.84	39.50 1.62 -21.33	31.08 1.24 -16.91	25.40 0.74 -16.59
KEDC_GLWD_GT4 24219	29.50 0.22 -26.53	27.13 0.17 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.31 0.19 -18.63	18.93 0.16 -16.65	20.96 0.24 -17.62	21.86 0.31 -17.88	22.87 0.43 -17.40	24.18 0.35 -19.62	26.08 0.38 -21.18	26.05 0.43 -20.59	27.84 0.41 -22.77	26.08 0.43 -21.00	31.11 0.41 -26.10	35.01 0.38 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.37 1.14 -31.21	45.21 1.23 -27.84	39.15 1.27 -21.33	30.90 1.06 -16.91	25.29 0.63 -16.59
KEDC_GLWD_GT5 24220	29.50 0.22 -26.53	27.13 0.17 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.31 0.19 -18.63	18.93 0.16 -16.65	20.96 0.24 -17.62	21.86 0.31 -17.88	22.87 0.43 -17.40	24.18 0.35 -19.62	26.08 0.38 -21.18	26.05 0.43 -20.59	27.84 0.41 -22.77	26.08 0.43 -21.00	31.11 0.41 -26.10	35.01 0.38 -30.09	44.65 0.46 -38.55	46.44 0.65 -37.62	47.37 1.14 -31.21	45.21 1.23 -27.84	39.15 1.27 -21.33	30.90 1.06 -16.91	25.29 0.63 -16.59
KENSICO____ 23655	20.53 0.18 -17.61	19.13 0.13 -16.90	18.69 0.13 -16.43	18.00 0.13 -15.58	17.84 0.14 -15.36	17.14 0.15 -14.50	18.86 0.12 -16.61	17.24 0.19 -13.95	17.45 0.24 -13.53	17.56 0.35 -12.17	17.12 0.29 -12.63	16.09 0.31 -11.27	15.70 0.35 -10.32	16.45 0.33 -11.46	17.13 0.33 -12.15	18.12 0.33 -13.19	20.12 0.30 -15.28	27.42 0.39 -21.38	32.28 0.56 -23.55	33.93 0.99 -17.92	34.98 1.05 -17.78	32.80 1.09 -15.16	23.57 0.84 -9.81	20.74 0.49 -12.18
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	19.35 0.16 -16.44	17.99 0.12 -15.78	17.59 0.11 -15.34	16.95 0.11 -14.54	16.80 0.12 -14.35	16.16 0.13 -13.54	17.74 0.11 -15.51	16.29 0.17 -13.02	16.53 0.21 -12.63	16.70 0.30 -11.37	16.22 0.23 -11.79	15.28 0.25 -10.52	14.94 0.28 -9.64	15.63 0.27 -10.70	16.27 0.27 -11.34	17.19 0.27 -12.31	19.05 0.25 -14.26	25.95 0.35 -19.96	30.60 0.53 -21.90	32.67 0.96 -16.69	33.81 1.07 -16.60	31.77 1.08 -14.15	22.87 0.79 -9.16	19.88 0.44 -11.37
KIAC_JFK_GT1 23816	20.58 0.18 -17.65	19.16 0.13 -16.93	18.73 0.13 -16.46	18.03 0.13 -15.61	17.87 0.14 -15.40	17.17 0.15 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.15 0.29 -12.65	16.12 0.32 -11.29	15.73 0.36 -10.34	16.49 0.34 -11.48	17.20 0.37 -12.18	18.17 0.35 -13.22	20.16 0.30 -15.31	27.49 0.42 -21.43	32.29 0.52 -23.59	33.91 0.93 -17.96	34.95 0.99 -17.81	32.78 1.04 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
KIAC_JFK_GT2 23817	20.58 0.18 -17.65	19.16 0.13 -16.93	18.73 0.13 -16.46	18.03 0.13 -15.61	17.87 0.14 -15.40	17.17 0.15 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.15 0.29 -12.65	16.12 0.32 -11.29	15.73 0.36 -10.34	16.49 0.34 -11.48	17.20 0.37 -12.18	18.17 0.35 -13.22	20.16 0.30 -15.31	27.49 0.42 -21.43	32.29 0.52 -23.59	33.91 0.93 -17.96	34.95 0.99 -17.81	32.78 1.04 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
KIAC_JFK____ 323774	20.58 0.18 -17.65	19.16 0.13 -16.93	18.73 0.13 -16.46	18.03 0.13 -15.61	17.87 0.14 -15.40	17.17 0.15 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.15 0.29 -12.65	16.12 0.32 -11.29	15.73 0.36 -10.34	16.49 0.34 -11.48	17.20 0.37 -12.18	18.17 0.35 -13.22	20.16 0.30 -15.31	27.49 0.42 -21.43	32.29 0.52 -23.59	33.91 0.93 -17.96	34.95 0.99 -17.81	32.78 1.04 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
KINTIGH____ 23543	5.50 -0.01 -2.77	4.76 0.01 -2.66	4.75 0.03 -2.58	4.77 0.03 -2.45	4.78 0.02 -2.42	4.79 0.02 -2.28	4.75 0.01 -2.61	5.30 0.01 -2.20	5.82 0.01 -2.13	6.94 -0.01 -1.92	6.19 0.00 -1.99	6.29 0.00 -1.77	6.64 -0.01 -1.63	6.46 0.00 -1.80	6.58 0.01 -1.91	6.68 0.00 -2.08	6.94 -0.01 -2.41	9.01 -0.01 -3.38	11.88 0.02 -3.68	17.71 -0.12 -2.81	18.73 -0.23 -2.81	18.76 -0.18 -2.40	14.23 -0.25 -1.55	9.93 -0.07 -1.92
KNTFSRNC_46_KV_46KV_LOAD 80397	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.55 -0.13 2.56	-0.55 -0.13 2.71	-0.56 -0.14 2.76	-0.54 -0.14 2.89	-0.55 -0.12 2.56	-0.54 -0.17 3.48	-0.55 -0.21 4.02	0.02 -0.29 4.73	3.96 -0.24 0.00	4.29 -0.22 0.00	4.80 -0.23 0.00	4.46 -0.21 0.00	4.45 -0.20 0.00	4.38 -0.23 0.00	4.35 -0.19 0.00	5.43 -0.21 0.00	7.90 -0.27 0.00	14.55 -0.47 0.00	15.73 -0.42 0.00	16.13 -0.41 0.00	12.67 -0.26 0.00	7.99 -0.09 0.00

LACHUTE____HYDRO 323717	25.75 0.23 -22.78	24.12 0.17 -21.86	23.57 0.18 -21.24	22.63 0.19 -20.15	22.40 0.19 -19.87	21.44 0.20 -18.75	23.78 0.17 -21.49	21.41 0.27 -18.04	21.50 0.31 -17.50	21.21 0.42 -15.75	20.90 0.36 -16.33	19.48 0.37 -14.60	18.80 0.41 -13.37	19.90 0.39 -14.85	20.79 0.40 -15.74	22.05 0.36 -17.08	24.79 0.45 -19.79	33.91 0.57 -27.70	38.99 0.92 -29.89	39.71 1.77 -22.92	41.06 1.89 -23.03	37.93 1.75 -19.63	26.92 1.29 -12.70	24.55 0.70 -15.77
LAWRNCV_115KV_TB1 80681	2.67 -0.08 0.00	2.03 -0.07 0.00	2.40 -0.08 -0.34	2.56 -0.08 -0.36	2.62 -0.08 -0.36	2.78 -0.08 -0.38	2.39 -0.07 -0.34	3.46 -0.10 -0.46	4.08 -0.13 -0.53	5.49 -0.17 -0.62	4.06 -0.14 0.00	4.36 -0.15 0.00	4.86 -0.17 0.00	4.49 -0.18 0.00	4.43 -0.22 0.00	4.38 -0.23 0.00	4.33 -0.21 0.00	5.36 -0.28 0.00	7.76 -0.42 0.00	14.31 -0.71 0.00	15.48 -0.66 0.00	16.00 -0.55 0.00	12.56 -0.36 0.00	7.87 -0.21 0.00
LEDERLE____ 23769	19.87 0.18 -16.95	18.49 0.13 -16.26	18.08 0.13 -15.81	17.41 0.13 -14.99	17.26 0.14 -14.79	16.59 0.15 -13.95	18.24 0.13 -15.99	16.72 0.19 -13.42	16.95 0.25 -13.02	17.10 0.35 -11.72	16.64 0.28 -12.15	15.67 0.31 -10.85	15.31 0.35 -9.93	16.02 0.33 -11.03	16.68 0.33 -11.69	17.63 0.33 -12.69	19.55 0.30 -14.70	26.62 0.40 -20.58	31.40 0.57 -22.65	33.28 1.02 -17.24	34.36 1.10 -17.11	32.26 1.13 -14.59	23.22 0.85 -9.44	20.29 0.49 -11.72
LIGHTHSE_115KV_TB6 355974	4.33 -0.02 -1.60	3.62 -0.02 -1.54	3.62 -0.02 -1.50	3.69 -0.02 -1.42	3.72 -0.02 -1.40	3.79 -0.02 -1.32	3.62 -0.02 -1.51	4.35 -0.02 -1.27	4.87 -0.04 -1.23	6.09 -0.06 -1.11	5.31 -0.05 -1.15	5.47 -0.06 -1.03	5.89 -0.08 -0.94	5.63 -0.07 -1.04	5.68 -0.07 -1.11	5.74 -0.07 -1.20	5.87 -0.06 -1.39	7.53 -0.06 -1.95	10.23 -0.07 -2.12	16.61 -0.03 -1.62	17.73 -0.03 -1.62	17.89 -0.03 -1.38	13.82 0.00 -0.89	9.15 -0.03 -1.11
LINDEN COGEN____ 23786	20.58 0.19 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.03 0.14 -15.61	17.87 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.19 0.36 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.34 0.57 -23.59	33.95 0.98 -17.96	35.01 1.05 -17.81	32.86 1.13 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
LINDHRST_69_KV_BK1 356055	29.54 0.26 -26.53	27.16 0.20 -24.87	26.78 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.96 0.19 -16.65	21.00 0.29 -17.61	21.91 0.36 -17.87	22.94 0.50 -17.40	24.22 0.40 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.88 0.45 -22.77	26.09 0.44 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.77 0.58 -38.55	46.62 0.82 -37.62	47.70 1.47 -31.21	45.55 1.57 -27.84	39.51 1.64 -21.33	31.09 1.25 -16.91	25.42 0.76 -16.59
LIPA_MISC_IPP 23656	29.53 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.53 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.61	21.92 0.36 -17.87	22.94 0.50 -17.40	24.21 0.39 -19.62	26.11 0.42 -21.18	26.09 0.47 -20.59	27.88 0.44 -22.77	26.06 0.41 -21.00	31.13 0.43 -26.10	35.02 0.40 -30.09	44.75 0.56 -38.55	46.59 0.79 -37.62	47.63 1.40 -31.21	45.47 1.49 -27.84	39.43 1.56 -21.33	31.00 1.16 -16.91	25.35 0.69 -16.59
LISF____SOLAR 323691	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.24 -18.63	18.97 0.20 -16.65	21.02 0.30 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.39 -19.62	26.12 0.42 -21.18	26.10 0.48 -20.59	27.88 0.45 -22.77	26.17 0.52 -21.00	31.14 0.43 -26.10	35.03 0.40 -30.09	44.76 0.56 -38.55	46.60 0.80 -37.62	47.64 1.41 -31.21	45.49 1.50 -27.84	39.45 1.57 -21.33	31.01 1.18 -16.91	25.36 0.69 -16.59
LITTLE FALLS____HYD 24013	2.70 -0.05 0.00	2.06 -0.03 0.00	2.11 -0.03 0.00	2.26 -0.03 0.00	2.30 -0.03 0.00	2.45 -0.03 0.00	2.09 -0.03 0.00	3.05 -0.05 0.00	3.63 -0.06 0.00	4.96 -0.08 0.00	4.15 -0.05 0.00	4.45 -0.06 0.00	4.96 -0.07 0.00	4.60 -0.07 0.00	4.58 -0.07 0.00	4.54 -0.07 0.00	4.46 -0.09 0.00	5.55 -0.09 0.00	8.06 -0.11 0.00	14.88 -0.14 0.00	16.03 -0.11 0.00	16.46 -0.08 0.00	12.86 -0.06 0.00	8.04 -0.03 0.00
LITTLRIV_115KV_TB1 356100	2.69 -0.06 0.00	2.04 -0.05 0.00	2.44 -0.07 -0.37	2.61 -0.07 -0.39	2.66 -0.07 -0.40	2.83 -0.07 -0.42	2.43 -0.06 -0.37	3.51 -0.09 -0.50	4.15 -0.11 -0.58	5.57 -0.15 -0.68	4.08 -0.13 0.00	4.37 -0.14 0.00	4.88 -0.15 0.00	4.49 -0.17 0.00	4.44 -0.21 0.00	4.40 -0.21 0.00	4.34 -0.20 0.00	5.38 -0.26 0.00	7.81 -0.37 0.00	14.42 -0.60 0.00	15.61 -0.53 0.00	16.11 -0.43 0.00	12.65 -0.27 0.00	7.91 -0.16 0.00
LI_NEWBRDGE____DRP 323616	29.50 0.22 -26.53	27.14 0.17 -24.87	26.75 0.16 -24.44	25.50 0.17 -23.04	25.80 0.18 -23.29	21.32 0.19 -18.63	18.94 0.16 -16.65	20.96 0.25 -17.61	21.87 0.31 -17.87	22.88 0.44 -17.40	24.18 0.35 -19.62	26.07 0.37 -21.18	26.04 0.42 -20.59	27.83 0.40 -22.77	26.04 0.39 -21.00	31.09 0.39 -26.10	34.99 0.36 -30.09	44.67 0.49 -38.55	46.48 0.68 -37.62	47.44 1.22 -31.21	45.28 1.29 -27.84	39.23 1.36 -21.33	30.90 1.06 -16.91	25.30 0.64 -16.59
LOCKPORT_115KV_TB60_63_64 80432	5.72 -0.03 -3.01	4.99 0.01 -2.88	4.99 0.04 -2.80	4.99 0.05 -2.66	4.99 0.04 -2.62	5.00 0.04 -2.47	4.97 0.01 -2.84	5.46 -0.02 -2.38	5.97 -0.02 -2.31	7.05 -0.06 -2.08	6.32 -0.04 -2.15	6.40 -0.04 -1.92	6.72 -0.06 -1.76	6.57 -0.05 -1.95	6.70 -0.02 -2.07	6.81 -0.05 -2.25	7.10 -0.06 -2.62	9.24 -0.07 -3.67	12.13 -0.04 -3.99	17.78 -0.29 -3.05	18.78 -0.42 -3.05	18.78 -0.36 -2.60	14.21 -0.40 -1.68	10.04 -0.13 -2.09
LOCKPORT____CC1 323769	5.74 -0.03 -3.03	4.99 -0.01 -2.90	5.00 0.04 -2.82	5.00 0.04 -2.68	5.01 0.04 -2.64	5.01 0.03 -2.49	4.99 0.01 -2.85	5.48 -0.02 -2.40	5.99 -0.02 -2.32	7.07 -0.06 -2.09	6.34 -0.03 -2.17	6.42 -0.03 -1.94	6.75 -0.05 -1.77	6.59 -0.04 -1.96	6.67 -0.07 -2.08	6.83 -0.04 -2.27	7.11 -0.06 -2.62	9.26 -0.06 -3.67	12.14 -0.03 -4.00	17.80 -0.27 -3.06	18.78 -0.42 -3.05	18.80 -0.35 -2.60	14.22 -0.39 -1.68	10.05 -0.12 -2.09
LOCKPORT____CC2 323770	5.74 -0.03 -3.03	4.99 -0.01 -2.90	5.00 0.04 -2.82	5.00 0.04 -2.68	5.01 0.04 -2.64	5.01 0.03 -2.49	4.99 0.01 -2.85	5.48 -0.02 -2.40	5.99 -0.02 -2.32	7.07 -0.06 -2.09	6.34 -0.03 -2.17	6.42 -0.03 -1.94	6.75 -0.05 -1.77	6.59 -0.04 -1.96	6.67 -0.07 -2.08	6.83 -0.04 -2.27	7.11 -0.06 -2.62	9.26 -0.06 -3.67	12.14 -0.03 -4.00	17.80 -0.27 -3.06	18.78 -0.42 -3.05	18.80 -0.35 -2.60	14.22 -0.39 -1.68	10.05 -0.12 -2.09
LOCKPORT____CC3 323771	5.74 -0.03 -3.03	4.99 -0.01 -2.90	5.00 0.04 -2.82	5.00 0.04 -2.68	5.01 0.04 -2.64	5.01 0.03 -2.49	4.99 0.01 -2.85	5.48 -0.02 -2.40	5.99 -0.02 -2.32	7.07 -0.06 -2.09	6.34 -0.03 -2.17	6.42 -0.03 -1.94	6.75 -0.05 -1.77	6.59 -0.04 -1.96	6.67 -0.07 -2.08	6.83 -0.04 -2.27	7.11 -0.06 -2.62	9.26 -0.06 -3.67	12.14 -0.03 -4.00	17.80 -0.27 -3.06	18.78 -0.42 -3.05	18.80 -0.35 -2.60	14.22 -0.39 -1.68	10.05 -0.12 -2.09

LONG_LAKE_PHOENIX 24014	4.52 -0.03 -1.81	3.81 -0.02 -1.73	3.81 -0.02 -1.68	3.87 -0.02 -1.60	3.89 -0.02 -1.58	3.95 -0.02 -1.49	3.81 -0.02 -1.70	4.51 -0.03 -1.43	5.02 -0.04 -1.39	6.23 -0.06 -1.25	5.45 -0.05 -1.30	5.60 -0.06 -1.16	6.02 -0.07 -1.06	5.77 -0.07 -1.18	5.83 -0.07 -1.25	5.89 -0.06 -1.35	6.05 -0.06 -1.57	7.77 -0.06 -2.19	10.50 -0.07 -2.39	16.74 -0.11 -1.83	17.84 -0.13 -1.82	17.95 -0.15 -1.56	13.84 -0.09 -1.01	9.24 -0.08 -1.25
LOVETT___3 23632	19.94 0.16 -17.03	18.56 0.12 -16.34	18.14 0.12 -15.88	17.47 0.12 -15.06	17.32 0.13 -14.85	16.65 0.14 -14.02	18.30 0.12 -16.06	16.76 0.18 -13.49	16.99 0.23 -13.08	17.13 0.33 -11.77	16.68 0.26 -12.21	15.69 0.29 -10.90	15.33 0.33 -9.98	16.05 0.31 -11.08	16.71 0.31 -11.75	17.67 0.31 -12.75	19.60 0.28 -14.77	26.69 0.37 -20.67	31.46 0.52 -22.76	33.27 0.93 -17.32	34.34 1.00 -17.19	32.24 1.04 -14.65	23.20 0.79 -9.48	20.30 0.45 -11.77
LOVETT___4 23642	19.94 0.16 -17.03	18.56 0.12 -16.34	18.14 0.12 -15.88	17.47 0.12 -15.06	17.32 0.13 -14.85	16.65 0.14 -14.02	18.30 0.12 -16.06	16.76 0.18 -13.49	16.99 0.23 -13.08	17.13 0.33 -11.77	16.68 0.26 -12.21	15.69 0.29 -10.90	15.33 0.33 -9.98	16.05 0.31 -11.08	16.71 0.31 -11.75	17.67 0.31 -12.75	19.60 0.28 -14.77	26.69 0.37 -20.67	31.46 0.52 -22.76	33.27 0.93 -17.32	34.34 1.00 -17.19	32.24 1.04 -14.65	23.20 0.79 -9.48	20.30 0.45 -11.77
LOVETT___5 23593	19.94 0.16 -17.03	18.56 0.12 -16.34	18.14 0.12 -15.88	17.47 0.12 -15.06	17.32 0.13 -14.85	16.65 0.14 -14.02	18.30 0.12 -16.06	16.76 0.18 -13.49	16.99 0.23 -13.08	17.13 0.33 -11.77	16.68 0.26 -12.21	15.69 0.29 -10.90	15.33 0.33 -9.98	16.05 0.31 -11.08	16.71 0.31 -11.75	17.67 0.31 -12.75	19.60 0.28 -14.77	26.69 0.37 -20.67	31.46 0.52 -22.76	33.27 0.93 -17.32	34.34 1.00 -17.19	32.24 1.04 -14.65	23.20 0.79 -9.48	20.30 0.45 -11.77
LOWER RAQUET___HYD 24057	2.67 -0.08 0.00	2.03 -0.06 0.00	2.46 -0.08 -0.40	2.63 -0.08 -0.42	2.68 -0.09 -0.43	2.85 -0.09 -0.45	2.45 -0.08 -0.40	3.54 -0.11 -0.54	4.17 -0.14 -0.63	5.60 -0.18 -0.74	4.05 -0.15 0.00	4.35 -0.16 0.00	4.85 -0.18 0.00	4.47 -0.20 0.00	4.40 -0.25 0.00	4.36 -0.25 0.00	4.31 -0.24 0.00	5.33 -0.32 0.00	7.72 -0.46 0.00	14.25 -0.77 0.00	15.44 -0.71 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.87 -0.21 0.00
LOWER___HUDSON 24059	25.08 0.11 -22.22	23.50 0.09 -21.32	22.95 0.09 -20.72	22.04 0.10 -19.65	21.82 0.10 -19.38	20.89 0.11 -18.29	23.17 0.09 -20.96	20.84 0.14 -17.60	20.92 0.17 -17.07	20.62 0.22 -15.36	20.32 0.19 -15.93	18.94 0.20 -14.22	18.28 0.22 -13.03	19.33 0.20 -14.47	20.20 0.20 -15.34	21.46 0.20 -16.65	24.04 0.21 -19.29	32.89 0.25 -26.99	37.60 0.38 -29.04	38.02 0.71 -22.29	39.35 0.76 -22.44	36.44 0.76 -19.13	25.90 0.59 -12.38	23.79 0.35 -15.37
LOWVILLE_115KV_TB2 356335	3.54 -0.01 -0.80	2.85 -0.01 -0.77	2.99 -0.01 -0.86	3.10 -0.02 -0.83	3.14 -0.01 -0.82	3.27 -0.01 -0.79	2.99 -0.01 -0.87	3.88 -0.01 -0.79	4.44 -0.04 -0.80	5.79 -0.01 -0.77	4.76 -0.02 -0.57	4.98 -0.04 -0.51	5.45 -0.05 -0.47	5.13 -0.06 -0.52	5.14 -0.07 -0.55	5.15 -0.06 -0.60	5.18 -0.05 -0.70	6.58 -0.03 -0.97	9.23 0.00 -1.06	15.98 0.15 -0.81	17.18 0.23 -0.81	17.45 0.22 -0.69	13.57 0.19 -0.45	8.71 0.08 -0.55
LUTHERFT_115KV_GLOB_FND_222 355753	25.61 0.14 -22.73	24.01 0.10 -21.81	23.45 0.11 -21.20	22.51 0.12 -20.10	22.29 0.12 -19.83	21.33 0.13 -18.71	23.70 0.11 -21.47	21.29 0.16 -18.03	21.36 0.19 -17.49	21.03 0.26 -15.73	20.75 0.22 -16.32	19.31 0.23 -14.56	18.62 0.26 -13.34	19.72 0.24 -14.81	20.59 0.23 -15.70	21.88 0.23 -17.05	24.56 0.27 -19.75	33.61 0.33 -27.63	38.45 0.51 -29.77	38.81 0.96 -22.83	40.11 1.02 -22.95	37.12 1.01 -19.56	26.34 0.76 -12.66	24.23 0.44 -15.71
LUTHERNY_35_KV_BK2 355980	25.61 0.14 -22.73	24.01 0.11 -21.81	23.45 0.11 -21.20	22.51 0.12 -20.10	22.29 0.12 -19.83	21.33 0.13 -18.71	23.70 0.11 -21.47	21.29 0.16 -18.03	21.36 0.20 -17.49	21.03 0.26 -15.73	20.75 0.23 -16.32	19.31 0.23 -14.56	18.63 0.26 -13.34	19.72 0.24 -14.81	20.59 0.24 -15.70	21.89 0.23 -17.05	24.56 0.27 -19.75	33.61 0.33 -27.63	38.46 0.51 -29.77	38.83 0.98 -22.83	40.13 1.03 -22.95	37.12 1.01 -19.56	26.34 0.76 -12.66	24.23 0.44 -15.71
LWR___OSWEGATCHIE_HYD 23850	3.29 -0.05 -0.59	2.62 -0.05 -0.57	2.91 -0.05 -0.83	3.04 -0.06 -0.81	3.09 -0.06 -0.81	3.22 -0.06 -0.80	2.91 -0.05 -0.83	3.87 -0.07 -0.84	4.47 -0.10 -0.88	5.83 -0.12 -0.91	4.53 -0.11 -0.43	4.77 -0.12 -0.38	5.23 -0.14 -0.35	4.90 -0.15 -0.39	4.88 -0.18 -0.41	4.88 -0.18 -0.44	4.89 -0.16 -0.52	6.17 -0.19 -0.72	8.70 -0.26 -0.78	15.26 -0.36 -0.60	16.46 -0.29 -0.60	16.84 -0.22 -0.51	13.14 -0.12 -0.33	8.40 -0.08 -0.41
LYONS_FALL_HYD 23570	3.51 0.01 -0.76	2.84 0.02 -0.73	2.93 0.00 -0.78	3.04 0.00 -0.75	3.08 0.00 -0.74	3.20 0.00 -0.71	2.92 0.00 -0.79	3.82 0.01 -0.70	4.38 0.00 -0.70	5.73 0.03 -0.67	4.76 0.01 -0.54	4.99 -0.01 -0.49	5.46 -0.01 -0.44	5.14 -0.01 -0.49	5.14 -0.03 -0.52	5.16 -0.01 -0.57	5.19 -0.01 -0.66	6.57 0.01 -0.92	9.23 0.05 -1.00	16.01 0.23 -0.77	17.19 0.27 -0.77	17.46 0.26 -0.65	13.55 0.21 -0.42	8.70 0.10 -0.52
MADISON___COUNTY_LFGE 323628	4.04 0.05 -1.25	3.33 0.04 -1.20	3.34 0.04 -1.16	3.43 0.04 -1.10	3.46 0.04 -1.09	3.56 0.04 -1.03	3.34 0.04 -1.18	4.15 0.06 -0.99	4.70 0.06 -0.96	5.97 0.08 -0.86	5.16 0.06 -0.89	5.35 0.04 -0.80	5.81 0.05 -0.73	5.52 0.05 -0.81	5.56 0.05 -0.86	5.60 0.06 -0.93	5.68 0.05 -1.08	7.25 0.09 -1.52	9.99 0.16 -1.65	16.68 0.41 -1.26	17.84 0.44 -1.26	18.03 0.41 -1.07	13.93 0.31 -0.70	9.11 0.17 -0.86
MALONE___115KV_TB1 356076	2.66 -0.09 0.00	1.99 -0.10 0.00	3.73 -0.12 -1.71	3.96 -0.13 -1.80	4.04 -0.13 -1.84	4.28 -0.14 -1.92	3.71 -0.11 -1.70	5.26 -0.16 -2.32	6.16 -0.20 -2.68	7.94 -0.25 -3.15	4.00 -0.20 0.00	4.33 -0.18 0.00	4.83 -0.20 0.00	4.48 -0.19 0.00	4.46 -0.20 0.00	4.39 -0.21 0.00	4.36 -0.19 0.00	5.42 -0.22 0.00	7.88 -0.29 0.00	14.51 -0.51 0.00	15.68 -0.47 0.00	16.11 -0.43 0.00	12.65 -0.27 0.00	7.96 -0.11 0.00
MAPLEWOD_115KV_TB3 80458	24.98 0.12 -22.11	23.41 0.10 -21.21	22.86 0.10 -20.62	21.95 0.11 -19.55	21.73 0.11 -19.29	20.80 0.12 -18.20	23.08 0.10 -20.86	20.76 0.15 -17.52	20.85 0.18 -16.99	20.56 0.24 -15.29	20.27 0.21 -15.85	18.88 0.22 -14.15	18.22 0.24 -12.96	19.28 0.22 -14.39	20.13 0.21 -15.26	21.39 0.22 -16.56	23.96 0.23 -19.19	32.77 0.28 -26.85	37.55 0.43 -28.95	38.03 0.81 -22.20	39.32 0.86 -22.32	36.43 0.86 -19.03	25.89 0.66 -12.31	23.74 0.38 -15.28
MAPLE RIDGE_WT_1 323574	2.62 -0.13 0.00	2.00 -0.10 0.00	2.04 -0.10 0.00	2.18 -0.11 0.00	2.23 -0.10 0.00	2.38 -0.11 0.00	2.04 -0.09 0.00	2.98 -0.12 0.00	3.54 -0.14 0.00	4.86 -0.18 0.00	4.08 -0.13 0.00	4.38 -0.13 0.00	4.89 -0.14 0.00	4.54 -0.13 0.00	4.53 -0.13 0.00	4.48 -0.13 0.00	4.42 -0.12 0.00	5.49 -0.15 0.00	7.96 -0.21 0.00	14.66 -0.36 0.00	15.76 -0.39 0.00	16.10 -0.45 0.00	12.56 -0.36 0.00	7.84 -0.23 0.00

MAPLE_RIDGE_WT_2 323611	2.62 -0.13 0.00	2.00 -0.10 0.00	2.04 -0.10 0.00	2.18 -0.11 0.00	2.23 -0.10 0.00	2.38 -0.11 0.00	2.04 -0.09 0.00	2.98 -0.12 0.00	3.54 -0.14 0.00	4.86 -0.18 0.00	4.08 -0.13 0.00	4.38 -0.13 0.00	4.89 -0.14 0.00	4.54 -0.13 0.00	4.53 -0.13 0.00	4.48 -0.13 0.00	4.42 -0.12 0.00	5.49 -0.15 0.00	7.96 -0.21 0.00	14.66 -0.36 0.00	15.76 -0.39 0.00	16.10 -0.45 0.00	12.56 -0.36 0.00	7.84 -0.23 0.00
MARBLE_RIVER_WT_PWR 323696	2.63 -0.12 0.00	1.97 -0.13 0.00	-0.53 -0.16 2.51	-0.53 -0.16 2.66	-0.54 -0.17 2.70	-0.53 -0.18 2.83	-0.53 -0.15 2.51	-0.53 -0.22 3.41	-0.53 -0.26 3.95	0.05 -0.35 4.64	3.93 -0.28 0.00	4.25 -0.26 0.00	4.76 -0.27 0.00	4.42 -0.24 0.00	4.44 -0.21 0.00	4.35 -0.26 0.00	4.32 -0.23 0.00	5.38 -0.27 0.00	7.81 -0.36 0.00	14.40 -0.62 0.00	15.55 -0.60 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.92 -0.15 0.00
MARSHVLE_115KV_TB1 80742	30.14 0.19 -27.21	28.35 0.14 -26.11	27.67 0.15 -25.38	26.51 0.15 -24.07	26.23 0.16 -23.74	25.06 0.16 -22.40	27.97 0.14 -25.70	24.90 0.21 -21.58	24.86 0.24 -20.94	24.20 0.32 -18.84	24.01 0.26 -19.54	22.21 0.26 -17.44	21.28 0.29 -15.97	22.66 0.27 -17.73	23.72 0.27 -18.80	25.25 0.24 -20.41	28.48 0.30 -23.64	39.14 0.41 -33.08	44.66 0.67 -35.81	43.77 1.34 -27.42	45.04 1.42 -27.47	41.41 1.44 -23.42	29.15 1.07 -15.15	27.47 0.58 -18.81
MARSH_HILL_WT_PWR 323713	6.60 0.13 -3.72	5.77 0.10 -3.57	5.73 0.12 -3.47	5.72 0.14 -3.29	5.72 0.14 -3.25	5.70 0.15 -3.06	5.77 0.13 -3.51	6.25 0.20 -2.95	6.74 0.20 -2.86	7.86 0.25 -2.57	7.08 0.21 -2.67	7.10 0.20 -2.38	7.41 0.21 -2.18	7.28 0.19 -2.42	7.39 0.17 -2.57	7.59 0.20 -2.79	7.97 0.20 -3.23	10.46 0.30 -4.52	13.64 0.55 -4.92	19.86 1.08 -3.76	21.05 1.15 -3.76	20.89 1.14 -3.20	15.85 0.85 -2.07	11.15 0.50 -2.57
MCINTYRE_115KV_TB2 80467	2.70 -0.05 0.00	2.05 -0.05 0.00	2.40 -0.06 -0.32	2.57 -0.06 -0.34	2.62 -0.06 -0.34	2.79 -0.06 -0.36	2.39 -0.06 -0.32	3.46 -0.08 -0.43	4.08 -0.10 -0.50	5.50 -0.13 -0.59	4.09 -0.11 0.00	4.38 -0.13 0.00	4.89 -0.14 0.00	4.51 -0.15 0.00	4.47 -0.18 0.00	4.43 -0.18 0.00	4.38 -0.16 0.00	5.43 -0.21 0.00	7.88 -0.29 0.00	14.57 -0.45 0.00	15.76 -0.39 0.00	16.21 -0.33 0.00	12.71 -0.22 0.00	7.94 -0.14 0.00
MECO____69_KV_BK1 80468	28.85 0.25 -25.86	27.10 0.19 -24.81	26.45 0.20 -24.12	25.37 0.21 -22.87	25.11 0.21 -22.56	24.00 0.22 -21.29	26.74 0.18 -24.43	23.90 0.28 -20.51	23.89 0.31 -19.90	23.34 0.40 -17.90	23.09 0.32 -18.57	21.41 0.32 -16.57	20.56 0.35 -15.18	21.84 0.32 -16.85	22.84 0.32 -17.87	24.32 0.31 -19.40	27.37 0.36 -22.47	37.59 0.51 -31.44	43.04 0.86 -34.01	42.74 1.68 -26.04	44.04 1.79 -26.10	40.54 1.74 -22.25	28.60 1.28 -14.40	26.64 0.69 -17.88
MENANDS__115KV_TB5 355628	24.70 0.11 -21.84	23.14 0.09 -20.96	22.61 0.09 -20.37	21.71 0.10 -19.32	21.49 0.10 -19.06	20.58 0.11 -17.98	22.82 0.09 -20.60	20.53 0.13 -17.30	20.62 0.16 -16.78	20.35 0.22 -15.10	20.05 0.19 -15.66	18.68 0.20 -13.98	18.05 0.22 -12.80	19.08 0.21 -14.21	19.92 0.20 -15.07	21.17 0.20 -16.36	23.69 0.20 -18.95	32.40 0.24 -26.52	37.13 0.37 -28.59	37.63 0.68 -21.93	38.91 0.71 -22.05	36.07 0.73 -18.80	25.66 0.57 -12.16	23.52 0.34 -15.10
MG INDUSTRY__DRP 24185	24.36 0.11 -21.50	22.82 0.09 -20.63	22.29 0.09 -20.06	21.41 0.10 -19.02	21.20 0.10 -18.76	20.30 0.11 -17.70	22.48 0.09 -20.26	20.25 0.13 -17.02	20.34 0.16 -16.50	20.10 0.21 -14.85	19.79 0.18 -15.40	18.45 0.19 -13.75	17.83 0.21 -12.59	18.84 0.20 -13.98	19.67 0.19 -14.82	20.89 0.19 -16.09	23.38 0.20 -18.64	31.97 0.24 -26.08	36.82 0.38 -28.27	37.36 0.69 -21.65	38.60 0.74 -21.71	35.80 0.74 -18.51	25.48 0.58 -11.98	23.29 0.35 -14.87
MID__OSWEGATCHIE_HYD 23849	3.29 -0.05 -0.59	2.62 -0.05 -0.57	2.91 -0.05 -0.83	3.04 -0.06 -0.81	3.09 -0.06 -0.81	3.22 -0.06 -0.80	2.91 -0.05 -0.83	3.87 -0.07 -0.84	4.47 -0.10 -0.88	5.83 -0.12 -0.91	4.53 -0.11 -0.43	4.77 -0.12 -0.38	5.23 -0.14 -0.35	4.90 -0.15 -0.39	4.88 -0.18 -0.41	4.88 -0.18 -0.44	4.89 -0.16 -0.52	6.17 -0.19 -0.72	8.70 -0.26 -0.78	15.26 -0.36 -0.60	16.46 -0.29 -0.60	16.84 -0.22 -0.51	13.14 -0.12 -0.33	8.40 -0.08 -0.41
MID__RAQUETTE_HYD 23851	2.67 -0.08 0.00	2.02 -0.07 0.00	2.46 -0.08 -0.40	2.63 -0.08 -0.42	2.68 -0.09 -0.43	2.85 -0.09 -0.45	2.45 -0.08 -0.40	3.54 -0.11 -0.54	4.17 -0.14 -0.63	5.60 -0.18 -0.74	4.05 -0.15 0.00	4.35 -0.16 0.00	4.85 -0.18 0.00	4.47 -0.20 0.00	4.41 -0.25 0.00	4.36 -0.25 0.00	4.31 -0.24 0.00	5.33 -0.32 0.00	7.72 -0.46 0.00	14.25 -0.77 0.00	15.44 -0.71 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.87 -0.21 0.00
MILLIKEN__1 23584	6.64 0.06 -3.83	5.82 0.05 -3.67	5.77 0.05 -3.57	5.73 0.06 -3.39	5.73 0.06 -3.34	5.70 0.06 -3.15	5.79 0.06 -3.61	6.22 0.08 -3.03	6.70 0.08 -2.94	7.77 0.09 -2.65	7.02 0.07 -2.75	7.02 0.06 -2.45	7.33 0.06 -2.24	7.21 0.06 -2.49	7.36 0.07 -2.64	7.54 0.06 -2.87	7.94 0.07 -3.32	10.42 0.13 -4.65	13.47 0.24 -5.06	19.39 0.51 -3.87	20.54 0.53 -3.86	20.35 0.51 -3.29	15.46 0.40 -2.13	10.93 0.21 -2.65
MILLIKEN__2 23585	6.64 0.06 -3.83	5.82 0.05 -3.67	5.77 0.05 -3.57	5.73 0.06 -3.39	5.73 0.06 -3.34	5.70 0.06 -3.15	5.79 0.06 -3.61	6.22 0.08 -3.03	6.70 0.08 -2.94	7.77 0.09 -2.65	7.02 0.07 -2.75	7.02 0.06 -2.45	7.33 0.06 -2.24	7.21 0.06 -2.49	7.36 0.07 -2.64	7.54 0.06 -2.87	7.94 0.07 -3.32	10.42 0.13 -4.65	13.47 0.24 -5.06	19.39 0.51 -3.87	20.54 0.53 -3.86	20.35 0.51 -3.29	15.46 0.40 -2.13	10.93 0.21 -2.65
MILLIKEN__DIESEL 23629	6.64 0.06 -3.83	5.82 0.05 -3.67	5.77 0.05 -3.57	5.73 0.06 -3.39	5.73 0.06 -3.34	5.70 0.06 -3.15	5.79 0.06 -3.61	6.22 0.08 -3.03	6.70 0.08 -2.94	7.77 0.09 -2.65	7.02 0.07 -2.75	7.02 0.06 -2.45	7.33 0.06 -2.24	7.21 0.06 -2.49	7.36 0.07 -2.64	7.54 0.06 -2.87	7.94 0.07 -3.32	10.42 0.13 -4.65	13.47 0.24 -5.06	19.39 0.51 -3.87	20.54 0.53 -3.86	20.35 0.51 -3.29	15.46 0.40 -2.13	10.93 0.21 -2.65
MILLSEAT__LFGE 323607	5.75 0.00 -3.00	4.98 0.00 -2.88	5.00 0.06 -2.80	5.00 0.06 -2.66	5.01 0.05 -2.62	5.01 0.05 -2.47	4.98 0.03 -2.83	5.48 0.00 -2.38	5.99 0.00 -2.31	7.08 -0.04 -2.08	6.34 -0.02 -2.15	6.41 -0.02 -1.92	6.75 -0.03 -1.75	6.58 -0.03 -1.95	6.67 -0.05 -2.07	6.83 -0.02 -2.25	7.11 -0.04 -2.60	9.26 -0.02 -3.64	12.17 0.03 -3.96	17.93 -0.12 -3.03	18.92 -0.26 -3.03	18.95 -0.18 -2.58	14.34 -0.26 -1.67	10.10 -0.05 -2.08
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	20.46 0.17 -17.54	19.06 0.13 -16.83	18.62 0.12 -16.36	17.93 0.13 -15.52	17.77 0.13 -15.31	17.08 0.14 -14.44	18.79 0.12 -16.55	17.18 0.18 -13.90	17.40 0.24 -13.48	17.50 0.33 -12.13	17.06 0.27 -12.58	16.03 0.30 -11.23	15.65 0.34 -10.28	16.39 0.31 -11.42	17.07 0.32 -12.11	18.06 0.31 -13.14	20.05 0.29 -15.22	27.32 0.38 -21.30	32.17 0.54 -23.46	33.83 0.96 -17.85	34.88 1.02 -17.71	32.70 1.06 -15.10	23.51 0.81 -9.77	20.67 0.47 -12.13

MILLWOOD_13_KV_LOAD 356217	20.47 0.18 -17.54	19.06 0.13 -16.83	18.63 0.13 -16.36	17.93 0.13 -15.52	17.77 0.13 -15.31	17.08 0.15 -14.44	18.79 0.12 -16.55	17.18 0.18 -13.90	17.40 0.24 -13.48	17.50 0.34 -12.13	17.06 0.28 -12.58	16.03 0.30 -11.23	15.65 0.34 -10.28	16.40 0.32 -11.42	17.08 0.32 -12.11	18.06 0.32 -13.14	20.06 0.30 -15.22	27.33 0.39 -21.30	32.19 0.56 -23.46	33.86 0.99 -17.85	34.91 1.05 -17.71	32.75 1.11 -15.10	23.54 0.84 -9.77	20.68 0.48 -12.13
MODEL_CITY_ENERGY 24167	5.74 -0.05 -3.04	4.99 -0.02 -2.92	5.01 0.03 -2.83	5.01 0.03 -2.69	5.02 0.03 -2.65	5.02 0.03 -2.50	4.99 0.00 -2.87	5.46 -0.05 -2.41	5.96 -0.06 -2.34	7.04 -0.10 -2.10	6.31 -0.08 -2.18	6.38 -0.07 -1.95	6.70 -0.10 -1.78	6.55 -0.08 -1.98	6.63 -0.12 -2.09	6.80 -0.08 -2.28	7.07 -0.11 -2.64	9.21 -0.12 -3.69	12.06 -0.13 -4.02	17.64 -0.45 -3.07	18.60 -0.61 -3.07	18.61 -0.55 -2.62	14.08 -0.54 -1.69	9.96 -0.22 -2.10
MODERN_LFGE_ 323580	5.74 -0.05 -3.04	4.99 -0.02 -2.92	5.01 0.03 -2.83	5.01 0.03 -2.69	5.02 0.03 -2.65	5.02 0.03 -2.50	4.99 0.00 -2.87	5.46 -0.05 -2.41	5.96 -0.06 -2.34	7.04 -0.10 -2.10	6.31 -0.08 -2.18	6.38 -0.07 -1.95	6.70 -0.10 -1.78	6.55 -0.08 -1.98	6.63 -0.12 -2.09	6.80 -0.08 -2.28	7.07 -0.11 -2.64	9.21 -0.12 -3.69	12.06 -0.13 -4.02	17.64 -0.45 -3.07	18.60 -0.61 -3.07	18.61 -0.55 -2.62	14.08 -0.54 -1.69	9.96 -0.22 -2.10
MOHAWK_PAPER___DRP 24187	24.98 0.12 -22.11	23.41 0.10 -21.21	22.86 0.10 -20.62	21.95 0.11 -19.55	21.73 0.11 -19.29	20.80 0.12 -18.20	23.08 0.10 -20.86	20.76 0.15 -17.52	20.85 0.18 -16.99	20.56 0.24 -15.29	20.27 0.21 -15.85	18.88 0.22 -14.15	18.22 0.24 -12.96	19.28 0.22 -14.39	20.13 0.21 -15.26	21.39 0.22 -16.56	23.96 0.23 -19.19	32.77 0.28 -26.85	37.55 0.43 -28.95	38.03 0.81 -22.20	39.32 0.86 -22.32	36.43 0.86 -19.03	25.89 0.66 -12.31	23.74 0.38 -15.28
MOHICAN__35_KV_115KV_LD 80490	25.64 0.14 -22.76	24.04 0.10 -21.84	23.48 0.11 -21.22	22.54 0.12 -20.13	22.31 0.12 -19.85	21.35 0.13 -18.74	23.73 0.10 -21.50	21.32 0.16 -18.05	21.39 0.20 -17.51	21.05 0.26 -15.75	20.77 0.23 -16.34	19.33 0.23 -14.58	18.64 0.26 -13.36	19.74 0.24 -14.83	20.61 0.23 -15.73	21.90 0.23 -17.07	24.60 0.29 -19.77	33.67 0.36 -27.67	38.56 0.57 -29.82	38.98 1.10 -22.86	40.28 1.16 -22.97	37.24 1.11 -19.59	26.41 0.81 -12.67	24.26 0.45 -15.73
MONGAUP___HYD 23641	18.95 0.15 -16.06	17.61 0.10 -15.41	17.22 0.10 -14.98	16.60 0.11 -14.21	16.46 0.11 -14.01	15.83 0.12 -13.22	17.38 0.10 -15.15	15.97 0.15 -12.72	16.21 0.18 -12.34	16.39 0.25 -11.10	15.92 0.19 -11.52	15.00 0.22 -10.28	14.68 0.24 -9.41	15.33 0.21 -10.45	15.97 0.24 -11.08	16.86 0.22 -12.03	18.70 0.22 -13.94	25.41 0.27 -19.50	30.05 0.42 -21.46	31.91 0.56 -16.34	32.99 0.63 -16.21	31.23 0.86 -13.82	22.61 0.74 -8.94	19.59 0.41 -11.10
MONTAUK___DIESEL 23721	29.64 0.36 -26.53	27.24 0.27 -24.87	26.86 0.27 -24.44	25.61 0.29 -23.04	25.92 0.29 -23.29	21.44 0.32 -18.63	19.04 0.27 -16.65	21.12 0.40 -17.61	22.05 0.49 -17.87	23.12 0.68 -17.40	24.37 0.54 -19.62	26.28 0.59 -21.18	26.26 0.64 -20.59	28.03 0.60 -22.77	26.22 0.57 -21.00	31.30 0.60 -26.10	35.22 0.59 -30.09	45.01 0.82 -38.55	46.98 1.18 -37.62	48.33 2.10 -31.21	46.20 2.21 -27.84	40.16 2.28 -21.33	31.52 1.68 -16.91	25.67 1.01 -16.59
MOONROAD_115KV_HARTFLD_TB1-2 355988	6.13 -0.05 -3.43	5.37 -0.02 -3.29	5.34 0.00 -3.20	5.33 0.00 -3.04	5.34 0.00 -3.00	5.33 0.01 -2.83	5.38 0.01 -3.24	5.87 0.05 -2.72	6.40 0.08 -2.64	7.49 0.08 -2.37	6.75 0.08 -2.46	6.80 0.09 -2.20	7.11 0.08 -2.01	6.97 0.08 -2.23	7.10 0.08 -2.37	7.24 0.06 -2.57	7.67 0.08 -3.04	10.02 0.12 -4.26	13.05 0.24 -4.64	18.80 0.24 -3.54	19.87 0.18 -3.54	19.86 0.30 -3.02	15.00 0.12 -1.95	10.67 0.17 -2.43
MORTIMER_115KV_TB3 55949	5.25 0.01 -2.49	4.50 0.02 -2.39	4.49 0.03 -2.32	4.52 0.03 -2.20	4.53 0.02 -2.17	4.56 0.03 -2.05	4.49 0.02 -2.35	5.10 0.03 -1.97	5.62 0.03 -1.91	6.78 0.03 -1.72	6.01 0.02 -1.78	6.13 0.03 -1.59	6.51 0.03 -1.46	6.31 0.03 -1.62	6.41 0.04 -1.72	6.51 0.04 -1.86	6.74 0.03 -2.17	8.73 0.06 -3.03	11.59 0.11 -3.30	17.67 0.14 -2.52	18.75 0.08 -2.52	18.81 0.12 -2.15	14.34 0.03 -1.39	9.85 0.05 -1.73
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	20.58 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.16 0.31 -12.65	16.14 0.34 -11.29	15.75 0.38 -10.34	16.51 0.36 -11.48	17.19 0.36 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.42	32.37 0.60 -23.60	34.03 1.05 -17.96	35.08 1.11 -17.82	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
MUNSVILLE_WIND_PWR 323609	8.48 0.17 -5.57	7.60 0.16 -5.34	7.46 0.12 -5.19	7.34 0.13 -4.92	7.33 0.14 -4.86	7.22 0.15 -4.58	7.51 0.13 -5.25	7.71 0.20 -4.41	8.17 0.21 -4.28	9.13 0.25 -3.85	8.39 0.19 -3.99	8.22 0.14 -3.56	8.46 0.17 -3.26	8.44 0.15 -3.62	8.64 0.15 -3.84	8.94 0.17 -4.17	9.56 0.19 -4.83	12.73 0.32 -6.76	16.11 0.57 -7.36	22.01 1.37 -5.63	23.30 1.53 -5.62	22.79 1.46 -4.79	17.14 1.11 -3.10	12.55 0.62 -3.85
N SALMON___HYD 24042	2.66 -0.09 0.00	2.00 -0.10 0.00	3.73 -0.12 -1.71	3.96 -0.13 -1.80	4.04 -0.13 -1.84	4.28 -0.14 -1.92	3.71 -0.11 -1.70	5.26 -0.16 -2.32	6.16 -0.20 -2.68	7.94 -0.25 -3.15	4.00 -0.20 0.00	4.33 -0.19 0.00	4.83 -0.20 0.00	4.48 -0.19 0.00	4.47 -0.19 0.00	4.39 -0.21 0.00	4.36 -0.19 0.00	5.42 -0.22 0.00	7.88 -0.29 0.00	14.51 -0.51 0.00	15.68 -0.47 0.00	16.11 -0.43 0.00	12.65 -0.27 0.00	7.96 -0.11 0.00
N.AKRON__115KV_KNAPP 355671	5.74 0.00 -3.00	5.00 0.03 -2.88	5.00 0.06 -2.80	5.00 0.06 -2.65	5.00 0.05 -2.62	5.01 0.06 -2.47	4.98 0.03 -2.83	5.49 0.01 -2.38	5.99 0.01 -2.30	7.08 -0.03 -2.07	6.34 -0.01 -2.15	6.42 0.00 -1.92	6.75 -0.03 -1.75	6.59 -0.01 -1.95	6.72 0.00 -2.06	6.84 -0.01 -2.25	7.13 -0.03 -2.62	9.28 -0.02 -3.66	12.19 0.03 -3.98	17.94 -0.12 -3.05	18.93 -0.26 -3.04	18.96 -0.18 -2.60	14.35 -0.26 -1.68	10.11 -0.05 -2.09
N.BELMOR_69_KV_BK1 55787	29.52 0.24 -26.53	27.15 0.18 -24.87	26.76 0.18 -24.44	25.51 0.18 -23.04	25.82 0.19 -23.29	21.33 0.21 -18.63	18.95 0.17 -16.65	20.98 0.26 -17.61	21.89 0.33 -17.87	22.91 0.47 -17.40	24.20 0.37 -19.62	26.10 0.40 -21.18	26.07 0.45 -20.59	27.86 0.42 -22.77	26.06 0.41 -21.00	31.12 0.42 -26.10	35.02 0.40 -30.09	44.72 0.52 -38.55	46.54 0.74 -37.62	47.57 1.34 -31.21	45.41 1.42 -27.84	39.36 1.49 -21.33	30.99 1.15 -16.91	25.36 0.69 -16.59
N.E_GEN_SANDY PD 24062	22.88 0.12 -20.01	21.39 0.09 -19.21	20.90 0.09 -18.67	20.09 0.10 -17.70	19.90 0.10 -17.46	19.08 0.11 -16.48	21.10 0.09 -18.88	19.10 0.14 -15.85	19.24 0.18 -15.38	19.12 0.25 -13.84	18.76 0.21 -14.35	17.54 0.22 -12.81	17.00 0.24 -11.73	17.91 0.22 -13.03	18.69 0.23 -13.81	19.82 0.22 -14.99	22.11 0.20 -17.37	30.20 0.25 -24.30	33.15 0.36 -24.62	35.00 0.65 -19.34	37.05 0.69 -20.21	34.50 0.73 -17.23	24.65 0.58 -11.15	22.26 0.35 -13.84

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.91 0.17 -16.99	18.53 0.13 -16.31	18.11 0.12 -15.85	17.44 0.12 -15.03	17.29 0.13 -14.83	16.62 0.14 -13.99	18.27 0.12 -16.03	16.74 0.18 -13.46	16.97 0.24 -13.06	17.12 0.33 -11.75	16.66 0.27 -12.18	15.68 0.30 -10.87	15.32 0.33 -9.96	16.03 0.31 -11.06	16.69 0.32 -11.72	17.65 0.31 -12.73	19.57 0.29 -14.74	26.66 0.38 -20.63	31.43 0.54 -22.71	33.27 0.96 -17.29	34.33 1.03 -17.15	32.25 1.08 -14.63	23.19 0.80 -9.46	20.29 0.47 -11.75
N.QUEENS_27_KV_LOAD 356247	20.51 0.12 -17.65	19.12 0.09 -16.93	18.68 0.08 -16.46	17.98 0.08 -15.61	17.82 0.08 -15.40	17.11 0.09 -14.53	18.85 0.08 -16.65	17.20 0.12 -13.98	17.41 0.17 -13.56	17.49 0.26 -12.20	17.06 0.21 -12.65	16.03 0.23 -11.29	15.63 0.26 -10.34	16.39 0.24 -11.48	17.08 0.25 -12.18	18.07 0.24 -13.22	20.07 0.21 -15.31	27.36 0.29 -21.42	32.15 0.38 -23.60	33.65 0.68 -17.96	34.69 0.73 -17.82	32.51 0.78 -15.19	23.32 0.57 -9.83	20.61 0.33 -12.20
N.TROY___115KV_TB1 355778	25.08 0.11 -22.22	23.50 0.09 -21.32	22.95 0.09 -20.72	22.04 0.10 -19.65	21.82 0.10 -19.38	20.89 0.11 -18.29	23.18 0.09 -20.97	20.85 0.14 -17.61	20.93 0.17 -17.08	20.62 0.22 -15.37	20.33 0.19 -15.94	18.94 0.20 -14.22	18.28 0.22 -13.03	19.33 0.21 -14.47	20.19 0.20 -15.34	21.46 0.20 -16.65	24.04 0.21 -19.29	32.88 0.25 -26.99	37.58 0.38 -29.02	38.00 0.71 -22.28	39.34 0.76 -22.43	36.43 0.76 -19.12	25.89 0.59 -12.37	23.78 0.35 -15.36
NARROWS_GT1_1 24228	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT1_2 24229	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT1_3 24230	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT1_4 24231	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT1_5 24232	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT1_6 24233	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT1_7 24234	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT1_8 24235	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT2_1 24236	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT2_2 24237	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT2_3 24238	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT2_4 24239	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20

NARROWS_GT2_5 24240	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT2_6 24241	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT2_7 24242	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NARROWS_GT2_8 24243	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	23.46 0.13 -20.59	21.95 0.10 -19.75	21.45 0.10 -19.20	20.61 0.11 -18.21	20.41 0.11 -17.96	19.56 0.12 -16.95	21.63 0.10 -19.41	19.54 0.15 -16.30	19.66 0.17 -15.81	19.47 0.22 -14.22	19.13 0.17 -14.75	17.87 0.19 -13.17	17.28 0.20 -12.06	18.24 0.19 -13.39	19.03 0.18 -14.20	20.20 0.18 -15.41	22.61 0.22 -17.85	30.91 0.29 -24.98	35.81 0.52 -27.11	36.76 0.99 -20.75	38.03 1.10 -20.78	35.31 1.04 -17.72	25.18 0.79 -11.46	22.74 0.43 -14.23
NCHELSEA_115KV_TR2 355582	20.51 0.17 -17.59	19.10 0.13 -16.88	18.67 0.12 -16.40	17.97 0.13 -15.56	17.81 0.13 -15.35	17.11 0.14 -14.48	18.83 0.12 -16.59	17.21 0.18 -13.93	17.43 0.23 -13.51	17.52 0.32 -12.16	17.07 0.26 -12.61	16.05 0.28 -11.26	15.64 0.31 -10.31	16.40 0.29 -11.45	17.09 0.30 -12.14	18.08 0.30 -13.17	20.08 0.28 -15.26	27.37 0.38 -21.35	32.21 0.56 -23.47	33.90 1.01 -17.88	35.00 1.10 -17.76	32.81 1.13 -15.14	23.56 0.84 -9.79	20.71 0.48 -12.16
NEG CAPITAL___MECHNVIL 23645	25.46 0.14 -22.57	23.86 0.11 -21.66	23.30 0.11 -21.05	22.37 0.12 -19.96	22.15 0.12 -19.69	21.20 0.13 -18.58	23.52 0.11 -21.29	21.15 0.16 -17.88	21.22 0.20 -17.34	20.91 0.27 -15.60	20.62 0.23 -16.18	19.21 0.24 -14.46	18.54 0.27 -13.24	19.61 0.25 -14.71	20.49 0.25 -15.59	21.77 0.24 -16.92	24.42 0.27 -19.60	33.42 0.34 -27.43	38.26 0.52 -29.57	38.68 0.98 -22.69	39.99 1.03 -22.81	37.00 1.01 -19.45	26.27 0.76 -12.58	24.13 0.44 -15.62
NEG CENTRAL_HIGH_ACRES 23767	5.16 -0.03 -2.44	4.41 -0.03 -2.34	4.41 -0.01 -2.28	4.44 -0.01 -2.16	4.45 -0.02 -2.13	4.48 -0.01 -2.01	4.41 -0.01 -2.30	5.02 -0.02 -1.93	5.53 -0.03 -1.88	6.67 -0.05 -1.69	5.91 -0.04 -1.75	6.03 -0.05 -1.56	6.40 -0.06 -1.43	6.20 -0.05 -1.59	6.27 -0.07 -1.68	6.39 -0.04 -1.83	6.62 -0.04 -2.12	8.57 -0.03 -2.96	11.38 -0.02 -3.23	17.41 -0.07 -2.47	18.47 -0.15 -2.46	18.51 -0.13 -2.10	14.13 -0.15 -1.36	9.67 -0.09 -1.69
NEG CENTRAL___DRP 24199	5.40 0.02 -2.62	4.64 0.02 -2.52	4.62 0.03 -2.45	4.64 0.03 -2.32	4.66 0.03 -2.29	4.68 0.03 -2.16	4.63 0.03 -2.48	5.23 0.05 -2.08	5.74 0.04 -2.02	6.90 0.05 -1.81	6.12 0.03 -1.88	6.22 0.03 -1.68	6.60 0.03 -1.54	6.40 0.03 -1.71	6.50 0.04 -1.81	6.60 0.03 -1.97	6.86 0.04 -2.28	8.90 0.07 -3.19	11.80 0.16 -3.47	17.97 0.30 -2.65	19.09 0.29 -2.65	19.09 0.28 -2.26	14.59 0.21 -1.46	10.00 0.10 -1.82
NEG CENTRAL___INDECK 23768	6.04 0.15 -3.14	5.21 0.11 -3.01	5.20 0.13 -2.92	5.20 0.14 -2.77	5.21 0.14 -2.74	5.22 0.15 -2.58	5.22 0.13 -2.96	5.77 0.19 -2.48	6.25 0.16 -2.41	7.39 0.19 -2.17	6.60 0.15 -2.25	6.66 0.14 -2.01	7.01 0.15 -1.84	6.84 0.14 -2.04	6.96 0.15 -2.16	7.11 0.15 -2.35	7.45 0.19 -2.72	9.73 0.28 -3.81	12.87 0.55 -4.14	19.30 1.11 -3.17	20.49 1.18 -3.17	20.47 1.22 -2.70	15.58 0.90 -1.75	10.78 0.54 -2.17
NEG CENTRAL___SENECA 23627	5.65 0.05 -2.85	4.87 0.04 -2.74	4.85 0.05 -2.66	4.87 0.06 -2.52	4.88 0.06 -2.49	4.90 0.06 -2.35	4.87 0.06 -2.69	5.44 0.08 -2.26	5.95 0.08 -2.19	7.10 0.09 -1.97	6.32 0.07 -2.04	6.41 0.07 -1.82	6.77 0.07 -1.67	6.58 0.07 -1.86	6.70 0.08 -1.97	6.81 0.07 -2.14	7.09 0.07 -2.48	9.23 0.12 -3.46	12.17 0.23 -3.77	18.34 0.44 -2.88	19.46 0.44 -2.88	19.43 0.43 -2.46	14.81 0.30 -1.59	10.21 0.16 -1.97
NEG CENTRAL___STATE_STREET 24147	5.35 0.01 -2.59	4.60 0.02 -2.49	4.58 0.02 -2.42	4.60 0.02 -2.29	4.62 0.02 -2.26	4.64 0.02 -2.13	4.59 0.02 -2.44	5.19 0.04 -2.05	5.71 0.04 -1.99	6.87 0.04 -1.79	6.10 0.03 -1.86	6.20 0.03 -1.66	6.58 0.03 -1.52	6.37 0.02 -1.69	6.48 0.04 -1.79	6.58 0.04 -1.94	6.86 0.07 -2.25	8.90 0.11 -3.15	11.79 0.20 -3.42	18.02 0.39 -2.62	19.15 0.39 -2.62	19.16 0.38 -2.23	14.68 0.31 -1.44	10.02 0.15 -1.79
NEG MILLWOOD___DRP 24198	20.73 0.19 -17.80	19.31 0.14 -17.08	18.87 0.13 -16.60	18.17 0.13 -15.74	18.00 0.14 -15.53	17.29 0.15 -14.65	19.04 0.12 -16.79	17.38 0.18 -14.10	17.59 0.23 -13.68	17.67 0.33 -12.30	17.24 0.28 -12.76	16.18 0.28 -11.39	15.78 0.32 -10.43	16.55 0.30 -11.58	17.24 0.30 -12.28	18.24 0.30 -13.33	20.28 0.29 -15.44	27.65 0.39 -21.61	32.53 0.59 -23.77	34.18 1.07 -18.10	35.25 1.13 -17.97	33.04 1.17 -15.32	23.73 0.89 -9.91	20.87 0.48 -12.31
NEG NORTH_FLCN_SEA 23793	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.54 -0.14 2.54	-0.54 -0.15 2.68	-0.54 -0.15 2.73	-0.53 -0.16 2.86	-0.54 -0.13 2.53	-0.53 -0.19 3.44	-0.54 -0.24 3.98	0.04 -0.31 4.68	3.95 -0.25 0.00	4.28 -0.23 0.00	4.79 -0.24 0.00	4.45 -0.21 0.00	4.44 -0.21 0.00	4.38 -0.23 0.00	4.35 -0.20 0.00	5.42 -0.23 0.00	7.88 -0.29 0.00	14.51 -0.51 0.00	15.68 -0.47 0.00	16.10 -0.45 0.00	12.65 -0.27 0.00	7.99 -0.09 0.00
NEG NORTH_KES_CHATEGAY 23792	2.63 -0.11 0.00	1.97 -0.13 0.00	-0.71 -0.15 2.70	-0.72 -0.16 2.85	-0.73 -0.16 2.90	-0.72 -0.17 3.04	-0.71 -0.14 2.69	-0.77 -0.21 3.66	-0.81 -0.26 4.24	-0.28 -0.34 4.98	3.94 -0.27 0.00	4.26 -0.25 0.00	4.77 -0.26 0.00	4.42 -0.24 0.00	4.42 -0.23 0.00	4.35 -0.25 0.00	4.32 -0.22 0.00	5.38 -0.26 0.00	7.83 -0.34 0.00	14.43 -0.59 0.00	15.58 -0.57 0.00	16.00 -0.55 0.00	12.58 -0.35 0.00	7.93 -0.15 0.00

NEG NORTH___ALICE_FALLS 23915	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.55 -0.13 2.56	-0.55 -0.13 2.71	-0.56 -0.14 2.76	-0.54 -0.14 2.89	-0.55 -0.12 2.56	-0.54 -0.17 3.48	-0.55 -0.21 4.02	0.02 -0.29 4.73	3.96 -0.24 0.00	4.29 -0.22 0.00	4.80 -0.23 0.00	4.46 -0.21 0.00	4.45 -0.20 0.00	4.38 -0.23 0.00	4.35 -0.19 0.00	5.43 -0.21 0.00	7.90 -0.27 0.00	14.55 -0.47 0.00	15.73 -0.42 0.00	16.13 -0.41 0.00	12.67 -0.26 0.00	7.99 -0.09 0.00
NEG NORTH___LWR_SARANAC 23913	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.55 -0.13 2.56	-0.55 -0.13 2.71	-0.56 -0.14 2.76	-0.54 -0.14 2.89	-0.55 -0.12 2.56	-0.54 -0.17 3.48	-0.55 -0.21 4.02	0.02 -0.29 4.73	3.96 -0.24 0.00	4.29 -0.22 0.00	4.80 -0.23 0.00	4.46 -0.21 0.00	4.45 -0.20 0.00	4.38 -0.23 0.00	4.35 -0.19 0.00	5.43 -0.21 0.00	7.90 -0.27 0.00	14.55 -0.47 0.00	15.73 -0.42 0.00	16.13 -0.41 0.00	12.67 -0.26 0.00	7.99 -0.09 0.00
NEG NORTH___PLATTSBURG 23628	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.55 -0.13 2.56	-0.55 -0.13 2.71	-0.56 -0.14 2.76	-0.55 -0.15 2.89	-0.55 -0.12 2.56	-0.55 -0.17 3.48	-0.55 -0.21 4.02	0.01 -0.30 4.73	3.96 -0.24 0.00	4.29 -0.22 0.00	4.80 -0.23 0.00	4.46 -0.21 0.00	4.47 -0.18 0.00	4.38 -0.23 0.00	4.35 -0.19 0.00	5.43 -0.21 0.00	7.90 -0.27 0.00	14.55 -0.47 0.00	15.73 -0.42 0.00	16.13 -0.41 0.00	12.67 -0.26 0.00	7.99 -0.09 0.00
NEG WEST_LEA_LOCKPORT 23791	5.74 -0.03 -3.03	5.01 0.01 -2.90	5.00 0.04 -2.82	5.01 0.04 -2.68	5.01 0.04 -2.64	5.01 0.03 -2.49	4.99 0.01 -2.85	5.48 -0.02 -2.40	5.99 -0.02 -2.32	7.07 -0.06 -2.09	6.34 -0.03 -2.17	6.41 -0.03 -1.94	6.75 -0.05 -1.77	6.59 -0.04 -1.96	6.72 -0.02 -2.08	6.84 -0.04 -2.27	7.12 -0.06 -2.64	9.28 -0.06 -3.69	12.16 -0.03 -4.02	17.82 -0.27 -3.07	18.81 -0.40 -3.07	18.83 -0.33 -2.62	14.23 -0.39 -1.70	10.06 -0.12 -2.10
NEG WEST___LANCASTR 23811	6.15 -0.07 -3.47	5.39 -0.04 -3.33	5.36 -0.02 -3.24	5.34 -0.02 -3.07	5.34 -0.02 -3.03	5.32 -0.02 -2.86	5.37 -0.03 -3.28	5.81 -0.05 -2.75	6.30 -0.05 -2.67	7.34 -0.10 -2.40	6.62 -0.07 -2.49	6.66 -0.07 -2.22	6.96 -0.10 -2.03	6.84 -0.08 -2.26	6.98 -0.07 -2.39	7.12 -0.08 -2.60	7.48 -0.09 -3.03	9.79 -0.09 -4.23	12.72 -0.07 -4.61	18.24 -0.30 -3.52	19.26 -0.40 -3.52	19.20 -0.35 -3.00	14.47 -0.40 -1.94	10.31 -0.18 -2.41
NEG_PENN_ALLEGHNY 23528	8.69 0.05 -5.90	7.79 0.04 -5.66	7.69 0.05 -5.50	7.55 0.05 -5.22	7.53 0.05 -5.14	7.40 0.05 -4.86	7.73 0.04 -5.56	7.84 0.07 -4.67	8.29 0.07 -4.53	9.20 0.09 -4.08	8.51 0.08 -4.23	8.36 0.07 -3.77	8.56 0.08 -3.46	8.58 0.07 -3.84	8.79 0.07 -4.07	9.10 0.08 -4.42	9.74 0.08 -5.12	12.92 0.12 -7.16	16.17 0.20 -7.80	21.33 0.36 -5.96	22.46 0.35 -5.95	21.98 0.36 -5.08	16.47 0.26 -3.28	12.30 0.15 -4.08
NEG___GEN_MONROE 24207	5.26 0.02 -2.49	4.51 0.03 -2.39	4.50 0.04 -2.32	4.53 0.04 -2.20	4.55 0.04 -2.17	4.58 0.05 -2.05	4.51 0.04 -2.35	5.12 0.05 -1.97	5.63 0.04 -1.91	6.79 0.03 -1.72	6.01 0.03 -1.78	6.13 0.03 -1.59	6.52 0.03 -1.46	6.32 0.04 -1.62	6.41 0.04 -1.72	6.50 0.03 -1.86	6.74 0.03 -2.17	8.73 0.06 -3.03	11.60 0.13 -3.30	17.72 0.18 -2.52	18.78 0.11 -2.52	18.88 0.18 -2.15	14.41 0.09 -1.39	9.89 0.09 -1.73
NEPA___ENERGY 23901	6.78 -0.02 -4.06	5.98 0.00 -3.89	5.93 0.01 -3.78	5.89 0.01 -3.59	5.89 0.01 -3.54	5.84 0.01 -3.34	5.96 0.00 -3.83	6.32 0.01 -3.21	6.80 0.00 -3.12	7.83 -0.02 -2.80	7.11 -0.01 -2.91	7.10 0.00 -2.60	7.39 -0.02 -2.38	7.29 -0.01 -2.64	7.45 0.00 -2.80	7.63 -0.01 -3.04	7.68 0.07 -3.07	10.04 0.11 -4.29	13.05 0.20 -4.67	18.80 0.21 -3.57	19.84 0.13 -3.57	19.78 0.20 -3.04	14.93 0.04 -1.97	10.62 0.10 -2.44
NEVERSINK___HYD 23608	18.58 0.15 -15.68	17.25 0.11 -15.05	16.87 0.10 -14.62	16.26 0.10 -13.87	16.12 0.11 -13.68	15.52 0.12 -12.91	17.01 0.10 -14.79	15.67 0.15 -12.42	15.92 0.19 -12.05	16.14 0.26 -10.84	15.65 0.20 -11.24	14.76 0.22 -10.03	14.45 0.24 -9.19	15.09 0.22 -10.20	15.71 0.24 -10.82	16.58 0.23 -11.74	18.35 0.20 -13.60	24.97 0.29 -19.04	29.52 0.46 -20.89	31.78 0.84 -15.92	32.89 0.92 -15.83	30.97 0.93 -13.49	22.34 0.68 -8.73	19.29 0.37 -10.84
NEWKRMKL_115KV_TB1 55635	25.00 0.12 -22.13	23.43 0.10 -21.23	22.88 0.10 -20.64	21.97 0.11 -19.57	21.75 0.11 -19.31	20.82 0.11 -18.22	23.10 0.10 -20.87	20.77 0.14 -17.53	20.86 0.18 -17.00	20.57 0.24 -15.30	20.27 0.20 -15.87	18.89 0.22 -14.16	18.24 0.24 -12.97	19.29 0.22 -14.40	20.14 0.22 -15.27	21.40 0.22 -16.57	23.97 0.23 -19.20	32.79 0.28 -26.87	37.62 0.42 -29.02	38.03 0.77 -22.25	39.29 0.81 -22.34	36.42 0.83 -19.05	25.88 0.63 -12.32	23.75 0.37 -15.30
NEWTON___FALLS_HYD 23847	3.29 -0.05 -0.59	2.62 -0.05 -0.57	2.91 -0.05 -0.83	3.04 -0.06 -0.81	3.09 -0.06 -0.81	3.22 -0.06 -0.80	2.91 -0.05 -0.83	3.87 -0.07 -0.84	4.47 -0.10 -0.88	5.83 -0.12 -0.91	4.53 -0.11 -0.43	4.77 -0.12 -0.38	5.23 -0.14 -0.35	4.90 -0.15 -0.39	4.88 -0.18 -0.41	4.88 -0.18 -0.44	4.89 -0.16 -0.52	6.17 -0.19 -0.72	8.70 -0.26 -0.78	15.26 -0.36 -0.60	16.46 -0.29 -0.60	16.84 -0.22 -0.51	13.14 -0.12 -0.33	8.40 -0.08 -0.41
NGRID_A1_DSASP 323792	5.74 -0.07 -3.06	4.98 -0.05 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.60 -0.13 -2.08	6.80 -0.10 -2.29	7.07 -0.12 -2.65	9.20 -0.14 -3.70	12.02 -0.17 -4.02	17.57 -0.53 -3.08	18.53 -0.69 -3.08	18.52 -0.65 -2.63	14.02 -0.61 -1.70	9.93 -0.26 -2.12
NGRID_A2_DSASP 323793	5.74 -0.07 -3.06	4.98 -0.05 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.60 -0.13 -2.08	6.80 -0.10 -2.29	7.07 -0.12 -2.65	9.20 -0.14 -3.70	12.02 -0.17 -4.02	17.57 -0.53 -3.08	18.53 -0.69 -3.08	18.52 -0.65 -2.63	14.02 -0.61 -1.70	9.93 -0.26 -2.12
NGRID_A4_DSASP 323807	5.74 -0.07 -3.06	4.98 -0.05 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.60 -0.13 -2.08	6.80 -0.10 -2.29	7.07 -0.12 -2.65	9.20 -0.14 -3.70	12.02 -0.17 -4.02	17.57 -0.53 -3.08	18.53 -0.69 -3.08	18.52 -0.65 -2.63	14.02 -0.61 -1.70	9.93 -0.26 -2.12
NIAGARA_115E_LBMP 323715	5.75 -0.06 -3.06	5.00 -0.03 -2.93	5.02 0.03 -2.85	5.02 0.03 -2.70	5.03 0.02 -2.67	5.02 0.02 -2.52	5.00 -0.01 -2.88	5.46 -0.06 -2.42	5.96 -0.07 -2.35	7.02 -0.13 -2.11	6.30 -0.09 -2.19	6.37 -0.09 -1.96	6.70 -0.12 -1.79	6.54 -0.11 -1.99	6.62 -0.14 -2.11	6.79 -0.11 -2.29	7.06 -0.13 -2.65	9.20 -0.15 -3.71	12.03 -0.18 -4.04	17.56 -0.54 -3.09	18.52 -0.71 -3.08	18.53 -0.65 -2.63	14.01 -0.62 -1.70	9.93 -0.26 -2.11

NIAGARA_115W_LBMP 323714	5.73 -0.08 -3.06	4.97 -0.06 -2.93	4.98 -0.01 -2.85	4.98 -0.01 -2.70	4.98 -0.02 -2.67	4.98 -0.03 -2.52	4.97 -0.04 -2.89	5.46 -0.07 -2.42	5.95 -0.08 -2.35	7.02 -0.13 -2.11	6.30 -0.10 -2.19	6.37 -0.10 -1.96	6.65 -0.13 -1.75	6.50 -0.11 -1.95	6.58 -0.14 -2.07	6.79 -0.11 -2.29	7.06 -0.13 -2.64	9.18 -0.15 -3.69	12.00 -0.19 -4.01	17.53 -0.56 -3.07	18.47 -0.74 -3.07	18.49 -0.68 -2.62	13.99 -0.63 -1.70	9.92 -0.27 -2.11
NIAGARA_230_LBMP 323716	5.73 -0.04 -3.02	4.97 -0.03 -2.90	4.97 0.02 -2.82	4.97 0.01 -2.67	4.98 0.01 -2.63	4.98 0.01 -2.49	4.97 -0.01 -2.85	5.47 -0.02 -2.39	5.97 -0.03 -2.32	7.06 -0.07 -2.09	6.33 -0.04 -2.17	6.40 -0.04 -1.93	6.74 -0.06 -1.77	6.58 -0.05 -1.97	6.66 -0.07 -2.09	6.82 -0.05 -2.26	7.10 -0.07 -2.62	9.24 -0.07 -3.67	12.09 -0.07 -3.99	17.74 -0.33 -3.05	18.71 -0.48 -3.05	18.71 -0.43 -2.60	14.17 -0.44 -1.68	9.99 -0.17 -2.09
NIAGARA__115KV_198_GIBSON 55903	5.73 -0.08 -3.06	4.99 -0.04 -2.93	4.98 -0.01 -2.85	4.98 -0.01 -2.70	4.98 -0.02 -2.67	4.98 -0.03 -2.52	4.97 -0.04 -2.89	5.46 -0.07 -2.42	5.95 -0.08 -2.35	7.02 -0.13 -2.11	6.30 -0.10 -2.19	6.37 -0.10 -1.96	6.65 -0.13 -1.75	6.50 -0.11 -1.95	6.63 -0.09 -2.07	6.79 -0.11 -2.29	7.07 -0.13 -2.66	9.20 -0.15 -3.71	12.02 -0.19 -4.04	17.55 -0.56 -3.09	18.49 -0.74 -3.09	18.50 -0.68 -2.64	14.01 -0.63 -1.71	9.93 -0.27 -2.13
NIAGARA____ 23760	5.73 -0.07 -3.06	4.98 -0.05 -2.93	4.98 -0.01 -2.85	4.98 -0.01 -2.70	4.98 -0.02 -2.67	4.98 -0.02 -2.52	4.98 -0.03 -2.88	5.46 -0.06 -2.42	5.96 -0.07 -2.35	7.02 -0.13 -2.11	6.30 -0.10 -2.19	6.37 -0.09 -1.96	6.67 -0.13 -1.77	6.52 -0.11 -1.97	6.60 -0.14 -2.09	6.79 -0.11 -2.29	7.06 -0.12 -2.64	9.20 -0.14 -3.70	12.03 -0.16 -4.02	17.59 -0.50 -3.07	18.57 -0.65 -3.07	18.57 -0.59 -2.62	14.02 -0.61 -1.70	9.92 -0.27 -2.11
NINE_MILE_1 23575	4.22 -0.07 -1.55	3.52 -0.06 -1.48	3.53 -0.05 -1.44	3.60 -0.06 -1.37	3.63 -0.06 -1.35	3.70 -0.06 -1.27	3.53 -0.05 -1.46	4.25 -0.08 -1.22	4.77 -0.10 -1.19	5.97 -0.14 -1.07	5.20 -0.11 -1.11	5.37 -0.13 -0.99	5.79 -0.14 -0.91	5.54 -0.13 -1.01	5.58 -0.14 -1.07	5.64 -0.12 -1.16	5.76 -0.12 -1.34	7.38 -0.14 -1.88	10.03 -0.19 -2.04	16.23 -0.34 -1.56	17.32 -0.39 -1.56	17.48 -0.40 -1.33	13.48 -0.31 -0.86	8.94 -0.20 -1.07
NINE_MILE_2 23744	4.22 -0.07 -1.55	3.52 -0.06 -1.48	3.53 -0.05 -1.44	3.60 -0.06 -1.37	3.63 -0.06 -1.35	3.70 -0.06 -1.27	3.53 -0.05 -1.46	4.25 -0.08 -1.22	4.77 -0.10 -1.19	5.97 -0.14 -1.07	5.20 -0.11 -1.11	5.37 -0.13 -0.99	5.79 -0.14 -0.91	5.54 -0.13 -1.01	5.58 -0.14 -1.07	5.64 -0.12 -1.16	5.76 -0.12 -1.34	7.38 -0.14 -1.88	10.03 -0.19 -2.04	16.23 -0.34 -1.56	17.32 -0.39 -1.56	17.48 -0.40 -1.33	13.48 -0.31 -0.86	8.94 -0.20 -1.07
NM_CAPITAL____DRP 24208	24.71 0.11 -21.85	23.15 0.09 -20.97	22.61 0.09 -20.38	21.71 0.10 -19.32	21.50 0.10 -19.06	20.58 0.11 -17.99	22.82 0.09 -20.61	20.53 0.13 -17.30	20.63 0.16 -16.78	20.35 0.22 -15.10	20.06 0.19 -15.66	18.69 0.20 -13.98	18.05 0.22 -12.80	19.08 0.21 -14.22	19.93 0.20 -15.07	21.17 0.20 -16.36	23.70 0.20 -18.95	32.41 0.25 -26.52	37.15 0.37 -28.60	37.63 0.68 -21.94	38.91 0.71 -22.06	36.08 0.73 -18.81	25.66 0.57 -12.17	23.52 0.34 -15.11
NM_CENTRAL____DRP 24181	4.64 -0.02 -1.91	3.92 -0.01 -1.83	3.92 -0.01 -1.78	3.97 -0.01 -1.69	4.00 -0.01 -1.67	4.05 -0.01 -1.57	3.92 -0.01 -1.80	4.61 -0.01 -1.51	5.13 -0.02 -1.47	6.33 -0.03 -1.32	5.55 -0.03 -1.37	5.70 -0.03 -1.22	6.11 -0.04 -1.12	5.87 -0.03 -1.24	5.94 -0.03 -1.32	6.01 -0.03 -1.43	6.17 -0.03 -1.66	7.95 -0.02 -2.32	10.70 0.00 -2.53	16.95 0.00 -1.93	18.06 -0.02 -1.93	18.17 -0.02 -1.65	13.96 -0.03 -1.06	9.36 -0.03 -1.32
NM_FRONTIER____DRP 24179	5.73 -0.08 -3.06	4.99 -0.04 -2.93	4.98 -0.01 -2.85	4.98 -0.01 -2.70	4.98 -0.02 -2.67	4.98 -0.03 -2.52	4.97 -0.04 -2.89	5.46 -0.07 -2.42	5.95 -0.08 -2.35	7.02 -0.13 -2.11	6.30 -0.10 -2.19	6.37 -0.10 -1.96	6.65 -0.13 -1.75	6.50 -0.11 -1.95	6.63 -0.09 -2.07	6.79 -0.11 -2.29	7.07 -0.13 -2.66	9.20 -0.15 -3.71	12.02 -0.19 -4.04	17.55 -0.56 -3.09	18.49 -0.74 -3.09	18.50 -0.68 -2.64	14.01 -0.63 -1.71	9.93 -0.27 -2.13
NM_ST_REGIS____HYD 24053	2.66 -0.09 0.00	2.01 -0.08 0.00	2.71 -0.10 -0.67	2.90 -0.10 -0.71	2.95 -0.10 -0.72	3.14 -0.11 -0.75	2.70 -0.09 -0.67	3.88 -0.13 -0.91	4.57 -0.16 -1.05	6.07 -0.21 -1.24	4.03 -0.17 0.00	4.34 -0.17 0.00	4.84 -0.19 0.00	4.46 -0.20 0.00	4.41 -0.24 0.00	4.36 -0.25 0.00	4.31 -0.23 0.00	5.34 -0.30 0.00	7.75 -0.43 0.00	14.30 -0.72 0.00	15.47 -0.68 0.00	15.98 -0.56 0.00	12.56 -0.36 0.00	7.88 -0.19 0.00
NORTHPORT____1 23551	29.48 0.21 -26.53	27.13 0.16 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.32 0.19 -18.63	18.94 0.16 -16.65	20.96 0.25 -17.62	21.87 0.31 -17.88	22.87 0.43 -17.40	24.16 0.33 -19.62	26.05 0.36 -21.18	26.02 0.40 -20.59	27.81 0.38 -22.77	26.07 0.42 -21.00	31.06 0.36 -26.10	34.94 0.31 -30.09	44.63 0.44 -38.55	46.40 0.60 -37.62	47.31 1.08 -31.21	45.15 1.16 -27.84	39.12 1.24 -21.33	30.85 1.01 -16.91	25.28 0.62 -16.59
NORTHPORT____2 23552	29.48 0.21 -26.53	27.13 0.16 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.32 0.19 -18.63	18.94 0.16 -16.65	20.96 0.25 -17.62	21.87 0.31 -17.88	22.87 0.43 -17.40	24.16 0.33 -19.62	26.05 0.36 -21.18	26.02 0.40 -20.59	27.81 0.38 -22.77	26.07 0.42 -21.00	31.06 0.36 -26.10	34.93 0.31 -30.08	44.63 0.44 -38.55	46.40 0.60 -37.62	47.31 1.08 -31.21	45.15 1.16 -27.84	39.12 1.24 -21.33	30.85 1.01 -16.91	25.28 0.62 -16.59
NORTHPORT____3 23553	29.54 0.27 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.19 -16.65	21.01 0.29 -17.62	21.92 0.37 -17.88	22.96 0.51 -17.40	24.24 0.41 -19.62	26.14 0.45 -21.18	26.12 0.50 -20.59	27.91 0.47 -22.77	26.16 0.51 -21.00	31.18 0.46 -26.11	35.07 0.44 -30.09	44.78 0.58 -38.56	46.61 0.81 -37.63	47.69 1.46 -31.22	45.54 1.55 -27.85	39.50 1.62 -21.34	31.10 1.27 -16.91	25.43 0.77 -16.59
NORTHPORT____4 23650	29.54 0.27 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.19 -16.65	21.01 0.29 -17.62	21.92 0.37 -17.88	22.96 0.51 -17.40	24.24 0.41 -19.62	26.14 0.45 -21.18	26.12 0.50 -20.59	27.91 0.47 -22.77	26.16 0.51 -21.00	31.18 0.46 -26.11	35.07 0.44 -30.09	44.78 0.58 -38.56	46.61 0.81 -37.63	47.69 1.46 -31.22	45.54 1.55 -27.85	39.50 1.62 -21.34	31.10 1.27 -16.91	25.43 0.77 -16.59
NORTHPORT____IC 23718	29.48 0.21 -26.53	27.13 0.16 -24.87	26.74 0.16 -24.44	25.50 0.17 -23.04	25.80 0.17 -23.29	21.32 0.19 -18.63	18.94 0.16 -16.65	20.96 0.25 -17.62	21.87 0.31 -17.88	22.87 0.43 -17.40	24.16 0.33 -19.62	26.05 0.36 -21.18	26.02 0.40 -20.59	27.81 0.38 -22.77	26.07 0.42 -21.00	31.06 0.36 -26.10	34.93 0.31 -30.08	44.63 0.44 -38.55	46.40 0.60 -37.62	47.31 1.08 -31.21	45.15 1.16 -27.84	39.12 1.24 -21.33	30.85 1.01 -16.91	25.28 0.62 -16.59

NORTH__COUNTRY_ESR 323785	2.63 -0.12 0.00	1.97 -0.13 0.00	-0.72 -0.15 2.70	-0.73 -0.16 2.85	-0.74 -0.17 2.91	-0.73 -0.18 3.05	-0.72 -0.15 2.69	-0.78 -0.21 3.67	-0.82 -0.26 4.24	-0.29 -0.34 4.99	3.93 -0.27 0.00	4.26 -0.25 0.00	4.76 -0.27 0.00	4.42 -0.24 0.00	4.43 -0.22 0.00	4.35 -0.26 0.00	4.31 -0.23 0.00	5.37 -0.27 0.00	7.81 -0.37 0.00	14.37 -0.65 0.00	15.53 -0.61 0.00	15.95 -0.59 0.00	12.54 -0.39 0.00	7.91 -0.17 0.00
NPX_GEN_1385_PROXY 323591	29.41 0.13 -26.53	27.08 0.11 -24.87	26.68 0.10 -24.44	25.45 0.12 -23.04	25.76 0.13 -23.29	21.30 0.18 -18.63	18.93 0.15 -16.65	20.94 0.23 -17.62	21.84 0.29 -17.88	22.84 0.40 -17.40	24.09 0.26 -19.62	25.98 0.28 -21.18	25.94 0.32 -20.59	27.73 0.29 -22.77	25.92 0.27 -21.00	30.98 0.28 -26.10	34.82 0.19 -30.09	44.50 0.30 -38.55	46.14 0.34 -37.62	46.84 0.62 -31.21	44.76 0.78 -27.84	38.80 0.93 -21.33	30.65 0.81 -16.91	25.15 0.49 -16.59
NPX_GEN_CSC 323557	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.54 0.22 -23.04	25.85 0.22 -23.29	21.36 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.97 0.52 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.90 0.46 -22.77	26.19 0.54 -21.00	31.16 0.45 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	31.00 1.16 -16.91	25.34 0.68 -16.59
NSINS_S_GLNS_FALLS 23858	25.66 0.14 -22.78	24.06 0.10 -21.86	23.50 0.11 -21.24	22.56 0.12 -20.15	22.33 0.12 -19.87	21.37 0.12 -18.75	23.75 0.10 -21.52	21.33 0.16 -18.07	21.40 0.20 -17.53	21.07 0.26 -15.77	20.79 0.23 -16.35	19.34 0.23 -14.60	18.65 0.26 -13.37	19.75 0.24 -14.85	20.63 0.23 -15.74	21.92 0.23 -17.08	24.62 0.29 -19.79	33.69 0.36 -27.70	38.59 0.57 -29.85	39.00 1.10 -22.89	40.30 1.16 -23.00	37.26 1.11 -19.61	26.42 0.81 -12.68	24.27 0.44 -15.75
NUCOR_STEEL__DRP 24197	5.28 0.02 -2.51	4.53 0.03 -2.40	4.51 0.03 -2.34	4.53 0.03 -2.22	4.55 0.03 -2.19	4.58 0.03 -2.06	4.52 0.03 -2.36	5.13 0.05 -1.98	5.65 0.04 -1.92	6.81 0.05 -1.73	6.04 0.04 -1.80	6.15 0.03 -1.60	6.53 0.03 -1.47	6.32 0.03 -1.63	6.42 0.04 -1.73	6.52 0.04 -1.88	6.76 0.05 -2.17	8.76 0.07 -3.04	11.63 0.14 -3.31	17.85 0.30 -2.53	18.97 0.29 -2.53	18.98 0.28 -2.16	14.55 0.23 -1.40	9.91 0.10 -1.73
NUMBER_THREE_WT_PWR 323818	3.54 -0.01 -0.81	2.87 0.00 -0.77	2.99 -0.02 -0.87	3.11 -0.02 -0.84	3.15 -0.02 -0.83	3.27 -0.02 -0.80	2.99 -0.01 -0.88	3.89 -0.02 -0.80	4.44 -0.04 -0.81	5.80 -0.02 -0.78	4.76 -0.03 -0.58	4.98 -0.05 -0.52	5.44 -0.06 -0.47	5.13 -0.06 -0.52	5.13 -0.08 -0.56	5.15 -0.06 -0.60	5.18 -0.06 -0.70	6.58 -0.04 -0.98	9.22 -0.02 -1.07	15.97 0.13 -0.81	17.16 0.19 -0.81	17.44 0.20 -0.69	13.56 0.18 -0.45	8.71 0.07 -0.56
NYISO_LBMP_REFERENCE 24008	2.75 0.00 0.00	2.10 0.00 0.00	2.14 0.00 0.00	2.29 0.00 0.00	2.34 0.00 0.00	2.49 0.00 0.00	2.12 0.00 0.00	3.10 0.00 0.00	3.68 0.00 0.00	5.04 0.00 0.00	4.21 0.00 0.00	4.51 0.00 0.00	5.03 0.00 0.00	4.66 0.00 0.00	4.65 0.00 0.00	4.61 0.00 0.00	4.54 0.00 0.00	5.64 0.00 0.00	8.17 0.00 0.00	15.02 0.00 0.00	16.15 0.00 0.00	16.55 0.00 0.00	12.93 0.00 0.00	8.08 0.00 0.00
NYPA_BRENTWD__GT 24164	29.53 0.25 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.91 0.35 -17.88	22.94 0.49 -17.40	24.21 0.38 -19.62	26.11 0.41 -21.18	26.09 0.47 -20.59	27.87 0.44 -22.77	26.14 0.49 -21.00	31.13 0.43 -26.10	35.03 0.39 -30.09	44.75 0.55 -38.55	46.57 0.78 -37.62	47.63 1.40 -31.21	45.47 1.48 -27.84	39.43 1.55 -21.33	31.05 1.21 -16.91	25.40 0.73 -16.59
NYPA_GOWANUS__GT5 24156	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NYPA_GOWANUS__GT6 24157	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.39 0.62 -23.59	34.09 1.11 -17.96	35.12 1.16 -17.81	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NYPA_HARLEM_RVR_GT1 24160	20.50 0.12 -17.64	19.10 0.08 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.39 0.16 -13.55	17.47 0.24 -12.19	17.04 0.19 -12.64	16.01 0.22 -11.28	15.61 0.25 -10.33	16.37 0.23 -11.48	17.07 0.25 -12.17	18.05 0.23 -13.21	20.05 0.20 -15.30	27.34 0.28 -21.42	32.13 0.37 -23.59	33.60 0.63 -17.95	34.63 0.68 -17.81	32.45 0.73 -15.18	23.29 0.54 -9.82	20.58 0.31 -12.19
NYPA_HARLEM_RVR_GT2 24161	20.50 0.12 -17.64	19.10 0.08 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.39 0.16 -13.55	17.47 0.24 -12.19	17.04 0.19 -12.64	16.01 0.22 -11.28	15.61 0.25 -10.33	16.37 0.23 -11.48	17.07 0.25 -12.17	18.05 0.23 -13.21	20.05 0.20 -15.30	27.34 0.28 -21.42	32.13 0.37 -23.59	33.60 0.63 -17.95	34.63 0.68 -17.81	32.45 0.73 -15.18	23.29 0.54 -9.82	20.58 0.31 -12.19
NYPA_KENT__GT 24152	20.60 0.21 -17.65	19.18 0.15 -16.93	18.74 0.15 -16.46	18.05 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.43	32.38 0.61 -23.59	34.07 1.10 -17.96	35.11 1.15 -17.81	32.96 1.22 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20
NYPA_POUCH1__GT 24155	20.60 0.21 -17.65	19.18 0.15 -16.93	18.74 0.15 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.16 0.14 -14.53	18.87 0.11 -16.64	17.24 0.16 -13.97	17.45 0.22 -13.55	17.56 0.33 -12.19	17.12 0.27 -12.65	16.10 0.30 -11.28	15.71 0.35 -10.34	16.47 0.33 -11.48	17.17 0.35 -12.17	18.14 0.33 -13.21	20.14 0.30 -15.30	27.47 0.41 -21.42	32.32 0.56 -23.59	33.96 0.99 -17.95	35.00 1.05 -17.81	32.85 1.13 -15.18	23.57 0.81 -9.83	20.83 0.55 -12.20
NYPA_VERNON__GT2 24162	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.22 0.39 -12.18	18.20 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.43	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.64 0.89 -9.83	20.83 0.55 -12.20

NYPA_VERNON____GT3 24163	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.22 0.39 -12.18	18.20 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.43	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.64 0.89 -9.83	20.83 0.55 -12.20
NYPA____ASTORIA_CC1 323568	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
NYPA____ASTORIA_CC2 323569	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.04 1.07 -17.96	35.07 1.11 -17.81	32.92 1.19 -15.19	23.63 0.88 -9.83	20.82 0.54 -12.20
NYPA____HOLTSVILL 23794	29.52 0.24 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.20 -23.29	21.35 0.22 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.90 0.35 -17.88	22.93 0.49 -17.40	24.20 0.37 -19.62	26.10 0.41 -21.18	26.08 0.46 -20.59	27.86 0.43 -22.77	26.14 0.49 -21.00	31.12 0.41 -26.10	35.02 0.39 -30.09	44.73 0.54 -38.55	46.56 0.76 -37.62	47.56 1.34 -31.21	45.42 1.44 -27.84	39.38 1.51 -21.33	31.00 1.16 -16.91	25.36 0.69 -16.59
NYPA____HELLGATE_GT1 24158	20.50 0.12 -17.64	19.10 0.08 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.39 0.16 -13.55	17.47 0.24 -12.19	17.04 0.19 -12.64	16.01 0.22 -11.28	15.61 0.25 -10.33	16.37 0.23 -11.48	17.07 0.25 -12.17	18.05 0.23 -13.21	20.05 0.20 -15.30	27.34 0.28 -21.42	32.13 0.37 -23.59	33.60 0.63 -17.95	34.63 0.68 -17.81	32.45 0.73 -15.18	23.29 0.54 -9.82	20.58 0.31 -12.19
NYPA____HELLGATE_GT2 24159	20.50 0.12 -17.64	19.10 0.08 -16.93	18.67 0.08 -16.45	17.97 0.08 -15.60	17.80 0.08 -15.39	17.10 0.09 -14.52	18.84 0.07 -16.64	17.19 0.12 -13.97	17.39 0.16 -13.55	17.47 0.24 -12.19	17.04 0.19 -12.64	16.01 0.22 -11.28	15.61 0.25 -10.33	16.37 0.23 -11.48	17.07 0.25 -12.17	18.05 0.23 -13.21	20.05 0.20 -15.30	27.34 0.28 -21.42	32.13 0.37 -23.59	33.60 0.63 -17.95	34.63 0.68 -17.81	32.45 0.73 -15.18	23.29 0.54 -9.82	20.58 0.31 -12.19
NYS_BARGE____HYD 23848	5.72 -0.03 -3.01	4.97 -0.01 -2.88	4.99 0.04 -2.80	4.99 0.04 -2.66	4.99 0.04 -2.62	5.00 0.04 -2.47	4.97 0.01 -2.84	5.46 -0.02 -2.38	5.97 -0.02 -2.31	7.05 -0.06 -2.08	6.32 -0.04 -2.15	6.40 -0.04 -1.92	6.72 -0.06 -1.76	6.57 -0.05 -1.95	6.65 -0.07 -2.07	6.81 -0.05 -2.25	7.09 -0.06 -2.61	9.22 -0.07 -3.65	12.10 -0.04 -3.97	17.77 -0.29 -3.03	18.74 -0.44 -3.03	18.77 -0.36 -2.59	14.20 -0.40 -1.67	10.02 -0.13 -2.08
OAK ORCHARD____HYD 24046	5.25 0.01 -2.49	4.49 0.01 -2.39	4.49 0.03 -2.32	4.52 0.03 -2.20	4.53 0.02 -2.17	4.56 0.03 -2.05	4.49 0.02 -2.35	5.10 0.03 -1.97	5.62 0.03 -1.91	6.78 0.03 -1.72	6.01 0.02 -1.78	6.13 0.03 -1.59	6.51 0.03 -1.46	6.31 0.03 -1.62	6.38 0.01 -1.72	6.51 0.04 -1.86	6.73 0.03 -2.16	8.72 0.06 -3.02	11.58 0.11 -3.29	17.67 0.13 -2.51	18.72 0.06 -2.51	18.80 0.12 -2.14	14.34 0.03 -1.39	9.84 0.05 -1.72
OAKDALE__35_KV_LOAD 356122	8.63 0.04 -5.85	7.74 0.03 -5.61	7.64 0.04 -5.46	7.51 0.04 -5.18	7.48 0.04 -5.10	7.35 0.04 -4.82	7.68 0.04 -5.52	7.79 0.05 -4.64	8.24 0.06 -4.50	9.16 0.08 -4.05	8.46 0.06 -4.20	8.32 0.06 -3.74	8.52 0.07 -3.43	8.53 0.06 -3.81	8.76 0.07 -4.04	9.05 0.06 -4.38	9.68 0.06 -5.07	12.83 0.10 -7.10	16.07 0.17 -7.72	21.22 0.30 -5.90	22.34 0.29 -5.90	21.87 0.30 -5.03	16.39 0.21 -3.25	12.23 0.11 -4.04
OCC_CHEM____DRP 24175	5.74 -0.07 -3.06	5.00 -0.03 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.65 -0.07 -2.08	6.80 -0.10 -2.29	7.09 -0.12 -2.66	9.22 -0.14 -3.72	12.05 -0.17 -4.05	17.59 -0.53 -3.10	18.55 -0.69 -3.10	18.54 -0.65 -2.64	14.03 -0.61 -1.72	9.95 -0.26 -2.13
OH_GEN_PROXY 24063	5.74 -0.04 -3.03	4.98 -0.03 -2.91	4.98 0.02 -2.83	4.98 0.01 -2.68	4.99 0.01 -2.64	4.99 0.01 -2.50	4.98 -0.01 -2.86	5.49 -0.02 -2.40	5.98 -0.03 -2.33	7.08 -0.06 -2.10	6.34 -0.04 -2.17	6.41 -0.04 -1.94	6.75 -0.06 -1.78	6.59 -0.04 -1.97	6.68 -0.07 -2.09	6.83 -0.04 -2.27	7.11 -0.06 -2.63	9.26 -0.06 -3.68	12.13 -0.06 -4.01	17.78 -0.30 -3.06	18.76 -0.45 -3.06	18.77 -0.38 -2.61	14.20 -0.41 -1.69	10.01 -0.16 -2.10
OLIN_CORP_DRP 24177	5.77 -0.05 -3.08	5.05 0.00 -2.95	5.04 0.03 -2.87	5.04 0.03 -2.72	5.04 0.02 -2.69	5.04 0.02 -2.53	5.02 -0.01 -2.90	5.49 -0.05 -2.44	5.98 -0.07 -2.37	7.05 -0.12 -2.13	6.33 -0.08 -2.21	6.39 -0.09 -1.97	6.72 -0.11 -1.80	6.57 -0.09 -2.00	6.70 -0.07 -2.12	6.81 -0.10 -2.31	7.11 -0.12 -2.69	9.27 -0.14 -3.76	12.11 -0.16 -4.09	17.65 -0.50 -3.13	18.61 -0.66 -3.13	18.62 -0.60 -2.67	14.07 -0.58 -1.73	9.97 -0.24 -2.14
OLIN_CORP_DSASP 323712	5.74 -0.07 -3.06	4.98 -0.05 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.60 -0.13 -2.08	6.80 -0.10 -2.29	7.07 -0.12 -2.65	9.20 -0.14 -3.70	12.02 -0.17 -4.02	17.57 -0.53 -3.08	18.53 -0.69 -3.08	18.52 -0.65 -2.63	14.02 -0.61 -1.70	9.93 -0.26 -2.12
ONEIDA_HERK_LFGE 323681	3.48 0.02 -0.71	2.80 0.02 -0.68	2.87 0.01 -0.72	2.99 0.01 -0.69	3.03 0.01 -0.68	3.15 0.02 -0.65	2.86 0.01 -0.72	3.76 0.02 -0.64	4.33 0.02 -0.63	5.67 0.05 -0.59	4.74 0.03 -0.51	4.97 0.01 -0.45	5.45 0.01 -0.42	5.13 0.00 -0.46	5.13 -0.01 -0.49	5.15 0.01 -0.53	5.16 0.00 -0.62	6.54 0.03 -0.86	9.19 0.08 -0.94	15.99 0.26 -0.72	17.17 0.31 -0.72	17.44 0.28 -0.61	13.54 0.22 -0.40	8.67 0.10 -0.49
ONEIDA____115KV_TB4 55905	4.04 0.05 -1.25	3.33 0.04 -1.20	3.34 0.04 -1.16	3.43 0.04 -1.10	3.46 0.04 -1.09	3.56 0.04 -1.03	3.34 0.04 -1.18	4.15 0.06 -0.99	4.70 0.06 -0.96	5.97 0.08 -0.86	5.16 0.06 -0.89	5.35 0.04 -0.80	5.81 0.05 -0.73	5.52 0.05 -0.81	5.56 0.05 -0.86	5.60 0.06 -0.93	5.68 0.05 -1.08	7.25 0.09 -1.52	9.99 0.16 -1.65	16.68 0.41 -1.26	17.84 0.44 -1.26	18.03 0.41 -1.07	13.93 0.31 -0.70	9.11 0.17 -0.86

ONONDAGA_REF_OCCRA 23987	5.02 -0.01 -2.28	4.28 0.00 -2.19	4.27 0.00 -2.13	4.31 0.00 -2.02	4.32 0.00 -1.99	4.36 0.00 -1.88	4.27 0.00 -2.15	4.91 0.00 -1.81	5.43 -0.01 -1.75	6.60 -0.02 -1.58	5.83 -0.01 -1.64	5.95 -0.02 -1.46	6.34 -0.03 -1.34	6.13 -0.02 -1.48	6.21 -0.01 -1.57	6.30 -0.01 -1.71	6.51 -0.01 -1.98	8.41 0.00 -2.77	11.21 0.02 -3.01	17.40 0.08 -2.30	18.50 0.05 -2.30	18.56 0.05 -1.96	14.22 0.03 -1.27	9.64 -0.01 -1.58
ONONDAGA___COGEN 23986	4.90 -0.01 -2.16	4.17 0.00 -2.07	4.16 0.00 -2.02	4.20 0.00 -1.91	4.22 0.00 -1.89	4.27 0.00 -1.78	4.17 0.00 -2.04	4.82 0.00 -1.71	5.34 0.00 -1.66	6.52 -0.01 -1.49	5.75 -0.01 -1.55	5.88 -0.01 -1.38	6.27 -0.02 -1.27	6.05 -0.02 -1.41	6.13 -0.01 -1.49	6.21 -0.01 -1.62	6.41 -0.01 -1.88	8.27 0.00 -2.63	11.07 0.03 -2.86	17.28 0.08 -2.18	18.38 0.05 -2.18	18.46 0.05 -1.86	14.17 0.04 -1.20	9.57 0.00 -1.50
ONTARIO___LFGE 23819	5.65 0.05 -2.85	4.87 0.04 -2.74	4.85 0.05 -2.66	4.87 0.06 -2.52	4.88 0.06 -2.49	4.90 0.06 -2.35	4.87 0.06 -2.69	5.44 0.08 -2.26	5.95 0.08 -2.19	7.10 0.09 -1.97	6.32 0.07 -2.04	6.41 0.07 -1.82	6.77 0.07 -1.67	6.58 0.07 -1.86	6.67 0.05 -1.97	6.81 0.07 -2.14	7.08 0.07 -2.47	9.22 0.12 -3.46	12.17 0.23 -3.77	18.33 0.44 -2.88	19.44 0.42 -2.88	19.43 0.43 -2.45	14.81 0.30 -1.59	10.21 0.16 -1.97
ORANGEVILLE_WT_PWR 323706	6.36 -0.05 -3.67	5.58 -0.04 -3.52	5.56 0.00 -3.42	5.54 0.00 -3.25	5.54 0.00 -3.20	5.52 0.00 -3.02	5.58 0.00 -3.46	6.00 -0.01 -2.91	6.50 0.00 -2.82	7.55 -0.03 -2.54	6.83 -0.01 -2.63	6.85 0.00 -2.35	7.16 -0.02 -2.15	7.04 0.00 -2.39	7.15 -0.03 -2.53	7.35 -0.01 -2.75	7.71 -0.02 -3.18	10.10 0.00 -4.46	13.08 0.06 -4.85	18.68 -0.04 -3.71	19.72 -0.13 -3.70	19.64 -0.07 -3.16	14.80 -0.17 -2.04	10.59 -0.02 -2.54
ORANGEVILLE___ESR 323794	6.36 -0.05 -3.67	5.58 -0.04 -3.52	5.56 0.00 -3.42	5.54 0.00 -3.25	5.54 0.00 -3.20	5.52 0.00 -3.02	5.58 0.00 -3.46	6.00 -0.01 -2.91	6.50 0.00 -2.82	7.55 -0.03 -2.54	6.83 -0.01 -2.63	6.85 0.00 -2.35	7.16 -0.02 -2.15	7.04 0.00 -2.39	7.15 -0.03 -2.53	7.35 -0.01 -2.75	7.71 -0.02 -3.18	10.10 0.00 -4.46	13.08 0.06 -4.85	18.68 -0.04 -3.71	19.72 -0.13 -3.70	19.64 -0.07 -3.16	14.80 -0.17 -2.04	10.59 -0.02 -2.54
OSWEGATCHIE___HYD 24044	3.29 -0.05 -0.59	2.63 -0.04 -0.57	2.91 -0.05 -0.83	3.04 -0.06 -0.81	3.09 -0.06 -0.81	3.22 -0.06 -0.80	2.91 -0.05 -0.83	3.87 -0.07 -0.84	4.47 -0.10 -0.88	5.83 -0.12 -0.91	4.53 -0.10 -0.43	4.77 -0.12 -0.38	5.23 -0.14 -0.35	4.90 -0.15 -0.39	4.88 -0.18 -0.41	4.88 -0.18 -0.44	4.89 -0.16 -0.51	6.17 -0.19 -0.72	8.70 -0.26 -0.78	15.26 -0.36 -0.60	16.46 -0.29 -0.60	16.84 -0.22 -0.51	13.14 -0.12 -0.33	8.40 -0.08 -0.41
OSWEGO___5 23606	4.43 -0.06 -1.74	3.73 -0.04 -1.67	3.73 -0.04 -1.63	3.79 -0.04 -1.54	3.82 -0.04 -1.52	3.88 -0.04 -1.44	3.73 -0.04 -1.65	4.43 -0.06 -1.38	4.95 -0.07 -1.34	6.14 -0.10 -1.21	5.37 -0.09 -1.25	5.53 -0.09 -1.12	5.94 -0.11 -1.02	5.70 -0.10 -1.14	5.75 -0.11 -1.20	5.82 -0.10 -1.31	5.96 -0.10 -1.51	7.65 -0.11 -2.12	10.35 -0.13 -2.31	16.54 -0.24 -1.76	17.63 -0.27 -1.76	17.77 -0.28 -1.50	13.68 -0.22 -0.97	9.13 -0.15 -1.21
OSWEGO___6 23613	4.43 -0.06 -1.74	3.73 -0.04 -1.67	3.73 -0.04 -1.63	3.79 -0.04 -1.54	3.82 -0.04 -1.52	3.88 -0.04 -1.44	3.73 -0.04 -1.65	4.43 -0.06 -1.38	4.95 -0.07 -1.34	6.14 -0.10 -1.21	5.37 -0.09 -1.25	5.53 -0.09 -1.12	5.94 -0.11 -1.02	5.70 -0.10 -1.14	5.75 -0.11 -1.20	5.82 -0.10 -1.31	5.96 -0.10 -1.51	7.65 -0.11 -2.12	10.35 -0.13 -2.31	16.54 -0.24 -1.76	17.63 -0.27 -1.76	17.77 -0.28 -1.50	13.68 -0.22 -0.97	9.13 -0.15 -1.21
OUTOKUMPU-AB___DRP 24206	5.85 -0.02 -3.12	5.10 0.01 -2.99	5.09 0.04 -2.91	5.09 0.04 -2.76	5.09 0.04 -2.72	5.09 0.03 -2.57	5.08 0.01 -2.94	5.58 0.00 -2.47	6.08 0.00 -2.40	7.17 -0.03 -2.16	6.43 -0.01 -2.24	6.51 0.00 -2.00	6.82 -0.02 -1.81	6.66 -0.01 -2.01	6.80 0.01 -2.14	6.93 -0.01 -2.34	7.24 -0.03 -2.72	9.42 -0.02 -3.80	12.34 0.02 -4.14	18.02 -0.17 -3.17	19.02 -0.29 -3.16	19.01 -0.23 -2.70	14.38 -0.30 -1.75	10.18 -0.06 -2.17
OXBOW____ 24026	5.80 -0.04 -3.09	5.04 -0.03 -2.97	5.04 0.02 -2.88	5.04 0.02 -2.73	5.05 0.01 -2.70	5.05 0.01 -2.54	5.04 0.00 -2.92	5.53 -0.02 -2.45	6.03 -0.03 -2.38	7.11 -0.06 -2.14	6.38 -0.04 -2.22	6.45 -0.04 -1.98	6.75 -0.06 -1.78	6.60 -0.05 -1.98	6.68 -0.07 -2.11	6.87 -0.05 -2.32	7.15 -0.06 -2.67	9.31 -0.07 -3.74	12.18 -0.06 -4.07	17.81 -0.32 -3.11	18.79 -0.47 -3.11	18.80 -0.40 -2.65	14.22 -0.43 -1.72	10.07 -0.15 -2.14
OXY_CHEM_DSASP 323612	5.74 -0.07 -3.06	4.98 -0.05 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.60 -0.13 -2.08	6.80 -0.10 -2.29	7.07 -0.12 -2.65	9.20 -0.14 -3.70	12.02 -0.17 -4.02	17.57 -0.53 -3.08	18.53 -0.69 -3.08	18.52 -0.65 -2.63	14.02 -0.61 -1.70	9.93 -0.26 -2.12
OZONE_PARK_ESR 323760	20.61 0.21 -17.65	19.19 0.16 -16.93	18.75 0.15 -16.46	18.05 0.15 -15.61	17.89 0.16 -15.40	17.19 0.17 -14.53	18.92 0.15 -16.65	17.31 0.23 -13.98	17.53 0.29 -13.56	17.65 0.42 -12.20	17.20 0.34 -12.65	16.18 0.37 -11.29	15.80 0.43 -10.34	16.54 0.40 -11.48	17.23 0.40 -12.18	18.22 0.40 -13.22	20.21 0.36 -15.31	27.56 0.49 -21.42	32.44 0.67 -23.59	34.16 1.19 -17.96	35.22 1.26 -17.82	33.06 1.32 -15.19	23.75 1.00 -9.83	20.87 0.60 -12.20
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	5.74 -0.07 -3.06	5.00 -0.03 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.65 -0.07 -2.08	6.80 -0.10 -2.29	7.09 -0.12 -2.66	9.22 -0.14 -3.72	12.05 -0.17 -4.05	17.59 -0.53 -3.10	18.55 -0.69 -3.10	18.54 -0.65 -2.64	14.03 -0.61 -1.72	9.95 -0.26 -2.13
PACKARD__115KV_DUPONT_184 80571	5.74 -0.07 -3.06	5.00 -0.03 -2.94	4.99 -0.01 -2.86	4.99 -0.01 -2.71	4.99 -0.02 -2.67	4.99 -0.02 -2.52	4.98 -0.03 -2.89	5.47 -0.06 -2.43	5.96 -0.07 -2.35	7.03 -0.12 -2.12	6.31 -0.09 -2.20	6.38 -0.09 -1.96	6.67 -0.12 -1.75	6.51 -0.10 -1.95	6.65 -0.07 -2.08	6.80 -0.10 -2.29	7.09 -0.12 -2.66	9.22 -0.14 -3.72	12.05 -0.17 -4.05	17.59 -0.53 -3.10	18.55 -0.69 -3.10	18.54 -0.65 -2.64	14.03 -0.61 -1.72	9.95 -0.26 -2.13
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	20.51 0.12 -17.65	19.11 0.08 -16.93	18.68 0.08 -16.46	17.97 0.07 -15.61	17.81 0.08 -15.40	17.10 0.08 -14.53	18.84 0.07 -16.65	17.19 0.11 -13.98	17.39 0.15 -13.56	17.46 0.23 -12.20	17.04 0.18 -12.65	16.01 0.20 -11.29	15.60 0.23 -10.34	16.37 0.22 -11.48	17.05 0.22 -12.18	18.04 0.22 -13.22	20.05 0.20 -15.31	27.34 0.27 -21.42	32.12 0.35 -23.60	33.58 0.60 -17.96	34.62 0.66 -17.82	32.45 0.71 -15.19	23.28 0.53 -9.83	20.58 0.30 -12.20

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	20.53 0.13 -17.65	19.13 0.10 -16.93	18.69 0.09 -16.46	17.99 0.09 -15.61	17.83 0.10 -15.40	17.12 0.10 -14.53	18.86 0.09 -16.65	17.21 0.13 -13.98	17.42 0.18 -13.56	17.49 0.26 -12.20	17.06 0.21 -12.65	16.03 0.23 -11.29	15.63 0.26 -10.34	16.38 0.24 -11.48	17.08 0.25 -12.18	18.06 0.24 -13.22	20.05 0.20 -15.31	27.34 0.28 -21.42	32.13 0.36 -23.60	33.61 0.63 -17.96	34.66 0.69 -17.82	32.48 0.74 -15.19	23.31 0.56 -9.83	20.59 0.31 -12.20
PATROON__115KV_TB1 80586	25.14 0.13 -22.27	23.56 0.10 -21.37	23.01 0.10 -20.77	22.09 0.11 -19.69	21.87 0.11 -19.43	20.94 0.12 -18.33	23.23 0.10 -21.01	20.89 0.15 -17.64	20.97 0.18 -17.11	20.68 0.25 -15.40	20.38 0.21 -15.97	18.99 0.23 -14.25	18.33 0.25 -13.05	19.39 0.23 -14.50	20.24 0.22 -15.37	21.52 0.23 -16.68	24.10 0.24 -19.32	32.97 0.29 -27.04	37.82 0.43 -29.21	38.20 0.80 -22.39	39.48 0.86 -22.48	36.57 0.86 -19.16	25.98 0.66 -12.40	23.86 0.39 -15.40
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	6.07 -0.05 -3.37	5.31 -0.01 -3.23	5.29 0.00 -3.14	5.28 0.01 -2.98	5.28 0.00 -2.94	5.26 0.00 -2.77	5.30 -0.01 -3.18	5.75 -0.02 -2.67	6.25 -0.02 -2.59	7.32 -0.05 -2.33	6.59 -0.03 -2.42	6.64 -0.03 -2.16	6.95 -0.05 -1.97	6.81 -0.04 -2.19	6.95 -0.02 -2.32	7.09 -0.04 -2.52	7.44 -0.04 -2.94	9.72 -0.03 -4.12	12.66 0.01 -4.48	18.28 -0.17 -3.42	19.29 -0.27 -3.42	19.26 -0.20 -2.92	14.52 -0.30 -1.89	10.32 -0.10 -2.34
PAWLING_115_KV_BK3_REV_LBMP_H 345028	20.73 0.19 -17.80	19.31 0.14 -17.08	18.87 0.13 -16.60	18.17 0.13 -15.74	18.00 0.14 -15.53	17.29 0.15 -14.65	19.04 0.12 -16.79	17.38 0.18 -14.10	17.59 0.23 -13.68	17.67 0.33 -12.30	17.24 0.28 -12.76	16.18 0.28 -11.39	15.78 0.32 -10.43	16.55 0.30 -11.58	17.24 0.30 -12.28	18.24 0.30 -13.33	20.28 0.29 -15.44	27.65 0.39 -21.61	32.53 0.59 -23.77	34.18 1.07 -18.10	35.25 1.13 -17.97	33.04 1.17 -15.32	23.73 0.89 -9.91	20.87 0.48 -12.31
PEEKSKILL____ 23653	20.38 0.17 -17.46	18.98 0.13 -16.76	18.55 0.12 -16.29	17.86 0.12 -15.45	17.70 0.13 -15.24	17.01 0.14 -14.38	18.72 0.12 -16.47	17.11 0.18 -13.83	17.33 0.23 -13.42	17.44 0.33 -12.07	17.00 0.27 -12.52	15.98 0.29 -11.17	15.59 0.33 -10.24	16.34 0.31 -11.37	17.02 0.32 -12.05	17.99 0.31 -13.08	19.98 0.29 -15.15	27.22 0.38 -21.20	32.05 0.53 -23.35	33.73 0.95 -17.77	34.79 1.02 -17.63	32.63 1.06 -15.03	23.45 0.80 -9.72	20.61 0.46 -12.07
PGE MADISON__WINDPWR 24146	8.48 0.17 -5.57	7.60 0.16 -5.34	7.46 0.12 -5.19	7.34 0.13 -4.92	7.33 0.14 -4.86	7.22 0.15 -4.58	7.51 0.13 -5.25	7.71 0.20 -4.41	8.17 0.21 -4.28	9.13 0.25 -3.85	8.39 0.19 -3.99	8.22 0.14 -3.56	8.46 0.17 -3.26	8.44 0.15 -3.62	8.64 0.15 -3.84	8.94 0.17 -4.17	9.56 0.19 -4.83	12.73 0.32 -6.76	16.11 0.57 -7.36	22.01 1.37 -5.63	23.30 1.53 -5.62	22.79 1.46 -4.79	17.14 1.11 -3.10	12.55 0.62 -3.85
PIERCEFIELD__HYD 23852	2.67 -0.08 0.00	2.02 -0.07 0.00	2.46 -0.08 -0.40	2.63 -0.08 -0.42	2.68 -0.09 -0.43	2.85 -0.09 -0.45	2.45 -0.08 -0.40	3.54 -0.11 -0.54	4.17 -0.14 -0.63	5.60 -0.18 -0.74	4.05 -0.15 0.00	4.35 -0.16 0.00	4.85 -0.18 0.00	4.47 -0.20 0.00	4.41 -0.25 0.00	4.36 -0.25 0.00	4.31 -0.24 0.00	5.33 -0.32 0.00	7.72 -0.46 0.00	14.25 -0.77 0.00	15.44 -0.71 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.87 -0.21 0.00
PINELAWN_CC_1 323563	29.52 0.25 -26.53	27.15 0.19 -24.87	26.77 0.18 -24.44	25.52 0.19 -23.04	25.83 0.20 -23.29	21.34 0.22 -18.63	18.96 0.18 -16.65	20.99 0.27 -17.62	21.90 0.34 -17.88	22.91 0.47 -17.40	24.20 0.37 -19.62	26.10 0.40 -21.18	26.07 0.45 -20.59	27.86 0.42 -22.77	26.12 0.47 -21.00	31.12 0.42 -26.10	35.03 0.39 -30.09	44.74 0.55 -38.55	46.57 0.78 -37.62	47.63 1.40 -31.21	45.47 1.48 -27.84	39.43 1.55 -21.33	31.04 1.20 -16.91	25.39 0.73 -16.59
PJM_GEN_HTP_PROXY 323702	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.02 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.81 0.53 -12.20
PJM_GEN_KEystone 24065	13.84 0.07 -11.02	12.73 0.06 -10.58	12.49 0.07 -10.28	12.11 0.07 -9.75	12.02 0.07 -9.62	11.64 0.08 -9.08	12.59 0.06 -10.40	11.93 0.09 -8.73	12.27 0.12 -8.47	12.82 0.16 -7.62	12.24 0.13 -7.90	11.71 0.15 -7.05	11.65 0.16 -6.46	11.99 0.15 -7.17	12.41 0.15 -7.61	13.02 0.16 -8.26	14.25 0.14 -9.56	19.22 0.19 -13.38	23.17 0.29 -14.71	26.67 0.45 -11.21	27.71 0.44 -11.13	26.51 0.48 -9.49	19.39 0.32 -6.14	15.90 0.20 -7.62
PJM_GEN_NEPTUNE_PROXY 323594	25.49 0.22 -22.52	23.55 0.17 -21.29	23.14 0.16 -20.84	22.14 0.17 -19.68	22.24 0.18 -19.72	19.46 0.19 -16.78	18.94 0.16 -16.65	19.32 0.25 -15.97	19.92 0.31 -15.93	20.53 0.44 -15.05	21.03 0.34 -16.47	21.60 0.37 -16.71	21.41 0.42 -15.96	22.73 0.39 -17.67	22.09 0.43 -17.01	25.27 0.39 -20.28	28.31 0.36 -23.41	36.93 0.48 -30.81	40.13 0.67 -31.28	41.44 1.20 -25.22	40.75 1.29 -23.31	36.44 1.34 -18.55	27.68 1.05 -13.71	23.31 0.63 -14.61
PJM_GEN_VFT_PROXY 323633	20.58 0.19 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.03 0.14 -15.61	17.87 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.19 0.36 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.34 0.57 -23.59	33.95 0.98 -17.96	35.01 1.05 -17.81	32.86 1.13 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
PLATSBRG_115KV_PMLD1 355749	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.54 -0.14 2.54	-0.54 -0.15 2.68	-0.54 -0.15 2.73	-0.53 -0.16 2.86	-0.54 -0.13 2.53	-0.53 -0.19 3.44	-0.54 -0.24 3.98	0.04 -0.32 4.68	3.95 -0.25 0.00	4.28 -0.23 0.00	4.79 -0.24 0.00	4.45 -0.21 0.00	4.44 -0.21 0.00	4.37 -0.23 0.00	4.34 -0.20 0.00	5.42 -0.23 0.00	7.88 -0.29 0.00	14.51 -0.51 0.00	15.66 -0.48 0.00	16.08 -0.46 0.00	12.65 -0.27 0.00	7.98 -0.10 0.00
PLEASANTVLY__LBMP 24000	21.38 0.15 -18.49	19.95 0.11 -17.74	19.49 0.11 -17.24	18.76 0.11 -16.35	18.58 0.12 -16.13	17.84 0.13 -15.22	19.67 0.11 -17.44	17.91 0.16 -14.64	18.10 0.21 -14.20	18.11 0.30 -12.78	17.70 0.24 -13.25	16.61 0.27 -11.83	16.16 0.30 -10.84	16.97 0.28 -12.03	17.69 0.28 -12.76	18.73 0.28 -13.85	20.83 0.25 -16.04	28.42 0.33 -22.45	33.37 0.47 -24.73	34.66 0.83 -18.82	35.70 0.89 -18.67	33.38 0.93 -15.91	23.93 0.71 -10.30	21.27 0.41 -12.78
PLSNTVLE_13_KV_13.8KVDIST 80602	20.69 0.18 -17.77	19.28 0.13 -17.05	18.84 0.13 -16.57	18.13 0.13 -15.72	17.97 0.13 -15.50	17.27 0.15 -14.63	19.01 0.12 -16.76	17.36 0.19 -14.07	17.58 0.24 -13.65	17.66 0.34 -12.28	17.23 0.28 -12.74	16.18 0.30 -11.37	15.78 0.34 -10.41	16.55 0.32 -11.56	17.24 0.33 -12.26	18.24 0.32 -13.31	20.25 0.30 -15.42	27.61 0.39 -21.57	32.49 0.56 -23.76	34.09 0.99 -18.08	35.14 1.05 -17.94	32.93 1.09 -15.29	23.66 0.84 -9.90	20.85 0.48 -12.29

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	20.69 0.18 -17.77	19.28 0.13 -17.05	18.84 0.13 -16.57	18.13 0.13 -15.72	17.97 0.13 -15.50	17.27 0.15 -14.63	19.01 0.12 -16.76	17.36 0.19 -14.07	17.58 0.24 -13.65	17.66 0.34 -12.28	17.23 0.28 -12.74	16.18 0.30 -11.37	15.78 0.34 -10.41	16.55 0.32 -11.56	17.24 0.33 -12.26	18.24 0.32 -13.31	20.25 0.30 -15.42	27.61 0.39 -21.57	32.49 0.56 -23.76	34.09 0.99 -18.08	35.14 1.05 -17.94	32.93 1.09 -15.29	23.66 0.84 -9.90	20.85 0.48 -12.29
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	20.89 0.16 -17.98	19.47 0.12 -17.25	19.02 0.12 -16.77	18.31 0.12 -15.90	18.15 0.13 -15.68	17.43 0.14 -14.80	19.20 0.11 -16.96	17.52 0.17 -14.24	17.72 0.22 -13.81	17.78 0.31 -12.43	17.34 0.25 -12.89	16.29 0.28 -11.50	15.87 0.30 -10.54	16.65 0.28 -11.70	17.35 0.29 -12.41	18.36 0.29 -13.46	20.40 0.26 -15.60	27.82 0.36 -21.83	32.46 0.52 -23.76	34.13 0.95 -18.16	35.31 1.02 -18.15	33.06 1.04 -15.47	23.73 0.79 -10.01	20.96 0.45 -12.43
POLETTI____ 23519	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.20 0.37 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.42	32.35 0.58 -23.59	34.00 1.02 -17.96	35.04 1.08 -17.82	32.89 1.16 -15.19	23.63 0.88 -9.83	20.81 0.53 -12.20
PORT_JEFF_3 23555	29.53 0.25 -26.53	27.16 0.19 -24.87	26.78 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.97 0.19 -16.65	21.01 0.29 -17.62	21.91 0.36 -17.88	22.94 0.50 -17.40	24.22 0.39 -19.62	26.11 0.42 -21.18	26.09 0.47 -20.59	27.88 0.44 -22.77	26.16 0.51 -21.00	31.13 0.43 -26.10	35.04 0.40 -30.09	44.76 0.56 -38.55	46.60 0.80 -37.62	47.64 1.41 -31.21	45.49 1.50 -27.84	39.45 1.57 -21.33	31.04 1.20 -16.91	25.38 0.72 -16.59
PORT_JEFF_4 23616	29.53 0.25 -26.53	27.16 0.19 -24.87	26.78 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.97 0.19 -16.65	21.01 0.29 -17.62	21.91 0.36 -17.88	22.94 0.50 -17.40	24.22 0.39 -19.62	26.11 0.42 -21.18	26.09 0.47 -20.59	27.88 0.44 -22.77	26.16 0.51 -21.00	31.13 0.43 -26.10	35.04 0.40 -30.09	44.76 0.56 -38.55	46.60 0.80 -37.62	47.64 1.41 -31.21	45.49 1.50 -27.84	39.45 1.57 -21.33	31.04 1.20 -16.91	25.38 0.72 -16.59
PORT_JEFF_IC 23713	29.53 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.62	21.92 0.36 -17.88	22.95 0.51 -17.40	24.22 0.39 -19.62	26.12 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.17 0.52 -21.00	31.15 0.44 -26.10	35.05 0.42 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.70 1.47 -31.21	45.54 1.55 -27.84	39.50 1.62 -21.33	31.08 1.24 -16.91	25.40 0.74 -16.59
PPL PILGRIM_ST_GT1 24216	29.53 0.25 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.91 0.35 -17.88	22.94 0.49 -17.40	24.21 0.38 -19.62	26.11 0.41 -21.18	26.09 0.47 -20.59	27.87 0.44 -22.77	26.14 0.49 -21.00	31.13 0.43 -26.10	35.03 0.39 -30.09	44.75 0.55 -38.55	46.57 0.78 -37.62	47.63 1.40 -31.21	45.47 1.48 -27.84	39.43 1.55 -21.33	31.05 1.21 -16.91	25.40 0.73 -16.59
PPL PILGRIM_ST_GT2 24217	29.53 0.25 -26.53	27.16 0.19 -24.87	26.77 0.19 -24.44	25.53 0.20 -23.04	25.83 0.21 -23.29	21.35 0.23 -18.63	18.96 0.19 -16.65	21.00 0.28 -17.62	21.91 0.35 -17.88	22.94 0.49 -17.40	24.21 0.38 -19.62	26.11 0.41 -21.18	26.09 0.47 -20.59	27.87 0.44 -22.77	26.14 0.49 -21.00	31.13 0.43 -26.10	35.03 0.39 -30.09	44.75 0.55 -38.55	46.57 0.78 -37.62	47.63 1.40 -31.21	45.47 1.48 -27.84	39.43 1.55 -21.33	31.05 1.21 -16.91	25.40 0.73 -16.59
PPL_SHRM_GT3 24213	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.96 0.52 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.19 0.54 -21.00	31.16 0.45 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	30.99 1.15 -16.91	25.34 0.68 -16.59
PPL_SHRM_GT4 24214	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.96 0.52 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.19 0.54 -21.00	31.16 0.45 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	30.99 1.15 -16.91	25.34 0.68 -16.59
PROJECT____ORANGE 1 24174	4.67 -0.01 -1.93	3.94 -0.01 -1.86	3.94 -0.01 -1.80	3.99 0.00 -1.71	4.02 -0.01 -1.69	4.07 -0.01 -1.59	3.94 -0.01 -1.82	4.63 -0.01 -1.53	5.15 -0.01 -1.49	6.35 -0.03 -1.34	5.57 -0.02 -1.39	5.72 -0.03 -1.24	6.13 -0.04 -1.13	5.89 -0.03 -1.26	5.96 -0.02 -1.33	6.03 -0.02 -1.45	6.20 -0.02 -1.68	7.98 -0.01 -2.35	10.73 0.00 -2.56	16.99 0.02 -1.95	18.10 0.00 -1.95	18.19 -0.02 -1.67	13.99 -0.01 -1.08	9.38 -0.03 -1.34
PROJECT____ORANGE 2 24166	4.67 -0.01 -1.93	3.94 -0.01 -1.86	3.94 -0.01 -1.80	3.99 0.00 -1.71	4.02 -0.01 -1.69	4.07 -0.01 -1.59	3.94 -0.01 -1.82	4.63 -0.01 -1.53	5.15 -0.01 -1.49	6.35 -0.03 -1.34	5.57 -0.02 -1.39	5.72 -0.03 -1.24	6.13 -0.04 -1.13	5.89 -0.03 -1.26	5.96 -0.02 -1.33	6.03 -0.02 -1.45	6.20 -0.02 -1.68	7.98 -0.01 -2.35	10.73 0.00 -2.56	16.99 0.02 -1.95	18.10 0.00 -1.95	18.19 -0.02 -1.67	13.99 -0.01 -1.08	9.38 -0.03 -1.34
PUCKETT____SOLAR 323809	8.82 0.08 -5.99	7.91 0.07 -5.75	7.80 0.07 -5.59	7.66 0.07 -5.30	7.64 0.07 -5.23	7.50 0.08 -4.93	7.84 0.07 -5.65	7.94 0.10 -4.75	8.38 0.10 -4.60	9.29 0.11 -4.14	8.58 0.08 -4.30	8.41 0.06 -3.83	8.61 0.07 -3.51	8.63 0.07 -3.90	8.85 0.06 -4.14	9.17 0.07 -4.49	9.82 0.08 -5.20	13.07 0.15 -7.28	16.37 0.28 -7.92	21.66 0.59 -6.05	22.83 0.63 -6.05	22.32 0.61 -5.16	16.71 0.45 -3.34	12.47 0.25 -4.14
PYRITES____HYD 24023	2.69 -0.05 0.00	2.05 -0.05 0.00	2.44 -0.06 -0.36	2.61 -0.06 -0.38	2.66 -0.06 -0.39	2.83 -0.07 -0.41	2.43 -0.06 -0.36	3.51 -0.08 -0.49	4.14 -0.10 -0.57	5.57 -0.13 -0.67	4.09 -0.11 0.00	4.38 -0.13 0.00	4.89 -0.14 0.00	4.51 -0.15 0.00	4.46 -0.20 0.00	4.41 -0.19 0.00	4.36 -0.18 0.00	5.41 -0.24 0.00	7.84 -0.34 0.00	14.49 -0.53 0.00	15.69 -0.45 0.00	16.16 -0.38 0.00	12.69 -0.23 0.00	7.93 -0.15 0.00
QUAKERRD_115KV_BK1 80622	5.11 -0.05 -2.41	4.38 -0.04 -2.32	4.37 -0.03 -2.25	4.39 -0.03 -2.14	4.41 -0.04 -2.11	4.44 -0.03 -1.99	4.37 -0.03 -2.28	4.97 -0.05 -1.91	5.47 -0.06 -1.86	6.62 -0.09 -1.67	5.86 -0.08 -1.73	5.97 -0.08 -1.55	6.35 -0.10 -1.42	6.15 -0.08 -1.57	6.24 -0.07 -1.67	6.34 -0.08 -1.81	6.56 -0.08 -2.10	8.49 -0.09 -2.94	11.28 -0.10 -3.20	17.22 -0.24 -2.45	18.27 -0.32 -2.44	18.33 -0.30 -2.08	13.99 -0.28 -1.35	9.59 -0.16 -1.67

QUENSBRY_115KV_TB8 356137	25.68 0.13 -22.80	24.07 0.10 -21.87	23.51 0.11 -21.26	22.57 0.12 -20.16	22.34 0.12 -19.89	21.38 0.12 -18.77	23.76 0.10 -21.54	21.35 0.16 -18.08	21.41 0.19 -17.54	21.08 0.26 -15.78	20.80 0.23 -16.37	19.35 0.23 -14.61	18.66 0.26 -13.38	19.76 0.24 -14.86	20.64 0.23 -15.75	21.94 0.23 -17.10	24.64 0.29 -19.81	33.73 0.37 -27.72	38.64 0.59 -29.88	39.05 1.13 -22.91	40.36 1.19 -23.01	37.29 1.13 -19.62	26.46 0.84 -12.69	24.29 0.45 -15.76
RAMAPO____LBMP 323565	19.84 0.16 -16.93	18.46 0.12 -16.25	18.05 0.12 -15.79	17.39 0.12 -14.98	17.23 0.12 -14.77	16.56 0.13 -13.94	18.21 0.11 -15.97	16.69 0.17 -13.41	16.92 0.22 -13.01	17.06 0.32 -11.71	16.60 0.26 -12.14	15.63 0.28 -10.84	15.27 0.32 -9.93	15.98 0.30 -11.02	16.64 0.30 -11.68	17.59 0.30 -12.68	19.51 0.27 -14.69	26.56 0.36 -20.56	31.32 0.51 -22.63	33.16 0.92 -17.23	34.21 0.97 -17.10	32.13 1.01 -14.58	23.12 0.76 -9.43	20.23 0.44 -11.71
RANKINE____ 23646	6.03 -0.02 -3.30	5.27 0.01 -3.17	5.25 0.03 -3.08	5.24 0.03 -2.92	5.24 0.03 -2.88	5.23 0.03 -2.72	5.25 0.01 -3.11	5.73 0.02 -2.61	6.23 0.02 -2.54	7.32 0.00 -2.28	6.58 0.01 -2.37	6.64 0.02 -2.11	6.96 0.00 -1.93	6.82 0.01 -2.14	6.95 0.03 -2.27	7.09 0.01 -2.47	7.44 0.00 -2.89	9.71 0.02 -4.04	12.66 0.09 -4.40	18.35 -0.03 -3.36	19.38 -0.13 -3.36	19.34 -0.07 -2.87	14.60 -0.18 -1.85	10.36 -0.02 -2.30
RAVENSWOOD_GT2_1 24244	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT2_2 24245	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT2_3 24246	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.19 0.36 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.09 1.13 -17.81	32.92 1.19 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
RAVENSWOOD_GT2_4 24247	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.19 0.36 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.09 1.13 -17.81	32.92 1.19 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
RAVENSWOOD_GT3_1 24248	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT3_2 24249	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT3_3 24250	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.45 -21.43	32.37 0.60 -23.59	34.04 1.07 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
RAVENSWOOD_GT3_4 24251	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.45 -21.43	32.37 0.60 -23.59	34.04 1.07 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.66 0.90 -9.83	20.82 0.54 -12.20
RAVENSWOOD_GT_1 23729	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.22 0.39 -12.18	18.20 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.43	32.38 0.61 -23.59	34.06 1.08 -17.96	35.11 1.15 -17.81	32.94 1.21 -15.19	23.64 0.89 -9.83	20.83 0.55 -12.20
RAVENSWOOD_GT_10 24258	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT_11 24259	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT_4 24252	20.58 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.75 0.38 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.81 0.53 -12.20

RAVENSWOOD_GT_5 24254	20.58 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.75 0.38 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT_6 24253	20.58 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.75 0.38 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT_7 24255	20.58 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.75 0.38 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.66 0.90 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD_GT_9 24257	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.61 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD___1 23533	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.32 -12.65	16.15 0.35 -11.29	15.77 0.40 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.45 -21.43	32.37 0.60 -23.59	34.06 1.08 -17.96	35.09 1.13 -17.81	32.94 1.21 -15.19	23.64 0.89 -9.83	20.82 0.54 -12.20
RAVENSWOOD___2 23534	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.37 0.60 -23.59	34.04 1.07 -17.96	35.09 1.13 -17.81	32.92 1.19 -15.19	23.64 0.89 -9.83	20.82 0.54 -12.20
RAVENSWOOD___3 23535	20.59 0.19 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.14 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.14 0.34 -11.29	15.76 0.39 -10.34	16.51 0.36 -11.48	17.21 0.38 -12.18	18.18 0.36 -13.22	20.18 0.33 -15.31	27.50 0.43 -21.43	32.36 0.60 -23.59	34.03 1.05 -17.96	35.07 1.11 -17.81	32.91 1.17 -15.19	23.64 0.89 -9.83	20.81 0.53 -12.20
RAVENSWOOD___4 23820	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.13 -16.65	17.29 0.20 -13.98	17.51 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.39 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.43	32.37 0.60 -23.59	34.04 1.07 -17.96	35.09 1.13 -17.81	32.92 1.19 -15.19	23.64 0.89 -9.83	20.82 0.54 -12.20
RCPL_TRUST___DRP 24196	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.20 0.37 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.42	32.37 0.60 -23.59	34.04 1.07 -17.96	35.11 1.15 -17.82	32.94 1.21 -15.19	23.67 0.92 -9.83	20.82 0.54 -12.20
RED___ROCHESTER 323720	5.25 0.03 -2.48	4.49 0.02 -2.38	4.49 0.04 -2.31	4.52 0.04 -2.19	4.53 0.03 -2.16	4.57 0.04 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.96	5.63 0.04 -1.90	6.80 0.05 -1.71	6.03 0.04 -1.78	6.15 0.05 -1.59	6.54 0.06 -1.45	6.33 0.06 -1.61	6.40 0.04 -1.71	6.53 0.06 -1.86	6.76 0.06 -2.15	8.74 0.09 -3.01	11.62 0.17 -3.28	17.76 0.24 -2.50	18.83 0.18 -2.50	18.91 0.23 -2.13	14.42 0.12 -1.38	9.89 0.10 -1.71
REGAN___SOLAR 323812	28.85 0.25 -25.86	27.10 0.19 -24.81	26.45 0.20 -24.12	25.37 0.21 -22.87	25.11 0.21 -22.56	24.00 0.22 -21.29	26.70 0.18 -24.39	23.87 0.28 -20.48	23.86 0.31 -19.87	23.31 0.40 -17.88	23.06 0.32 -18.54	21.41 0.32 -16.57	20.56 0.35 -15.18	21.84 0.32 -16.85	22.83 0.31 -17.87	24.32 0.31 -19.40	27.38 0.36 -22.47	37.59 0.51 -31.44	43.09 0.86 -34.06	42.78 1.68 -26.08	44.08 1.79 -26.14	40.57 1.74 -22.29	28.63 1.28 -14.42	26.67 0.69 -17.91
RENSSELAER___COGEN 23796	24.69 0.11 -21.84	23.14 0.09 -20.95	22.60 0.09 -20.37	21.70 0.10 -19.31	21.48 0.10 -19.05	20.57 0.11 -17.98	22.81 0.09 -20.60	20.53 0.13 -17.30	20.62 0.16 -16.78	20.35 0.22 -15.10	20.05 0.18 -15.66	18.67 0.19 -13.97	18.04 0.22 -12.79	19.07 0.20 -14.21	19.91 0.20 -15.06	21.15 0.20 -16.35	23.68 0.20 -18.94	32.39 0.24 -26.50	37.15 0.37 -28.61	37.63 0.68 -21.93	38.89 0.71 -22.04	36.06 0.73 -18.79	25.65 0.57 -12.15	23.51 0.34 -15.09
REPUBLIC_115KV_BARTNBRK 55605	25.76 0.24 -22.78	24.13 0.18 -21.86	23.58 0.19 -21.24	22.64 0.21 -20.15	22.41 0.21 -19.87	21.45 0.21 -18.75	23.82 0.18 -21.52	21.46 0.29 -18.07	21.54 0.33 -17.53	21.25 0.45 -15.77	20.94 0.38 -16.35	19.50 0.40 -14.60	18.83 0.43 -13.37	19.92 0.41 -14.85	20.79 0.40 -15.74	22.08 0.39 -17.08	24.81 0.48 -19.79	33.94 0.60 -27.69	39.00 0.98 -29.85	39.78 1.88 -22.89	41.13 1.99 -23.00	38.00 1.85 -19.60	26.97 1.36 -12.68	24.56 0.73 -15.75
REVERE_CPPR_DRP 24186	3.88 0.05 -1.08	3.17 0.04 -1.04	3.19 0.04 -1.01	3.28 0.04 -0.95	3.32 0.04 -0.94	3.43 0.05 -0.89	3.18 0.04 -1.02	4.02 0.07 -0.85	4.58 0.07 -0.83	5.88 0.10 -0.75	5.05 0.07 -0.77	5.25 0.05 -0.69	5.71 0.06 -0.63	5.42 0.05 -0.70	5.45 0.06 -0.74	5.47 0.06 -0.81	5.53 0.05 -0.94	7.06 0.11 -1.31	9.79 0.19 -1.43	16.59 0.48 -1.09	17.78 0.55 -1.09	17.97 0.50 -0.93	13.91 0.39 -0.60	9.03 0.21 -0.75

REYNOLDS_115KV_TB3 80639	24.69 0.11 -21.84	23.14 0.09 -20.96	22.60 0.09 -20.37	21.70 0.10 -19.31	21.49 0.10 -19.05	20.57 0.10 -17.98	22.81 0.09 -20.60	20.52 0.13 -17.29	20.62 0.16 -16.78	20.34 0.21 -15.09	20.05 0.19 -15.65	18.68 0.19 -13.97	18.04 0.22 -12.80	19.07 0.20 -14.21	19.91 0.19 -15.07	21.16 0.20 -16.35	23.69 0.20 -18.94	32.39 0.24 -26.51	37.10 0.35 -28.57	37.58 0.65 -21.92	38.87 0.68 -22.05	36.05 0.71 -18.80	25.64 0.56 -12.16	23.51 0.33 -15.10
RIVERBAY____ 323610	20.53 0.13 -17.65	19.13 0.10 -16.93	18.69 0.09 -16.46	17.99 0.09 -15.61	17.83 0.10 -15.40	17.12 0.10 -14.53	18.86 0.09 -16.65	17.21 0.13 -13.98	17.42 0.18 -13.56	17.49 0.26 -12.20	17.06 0.21 -12.65	16.03 0.23 -11.29	15.63 0.26 -10.34	16.38 0.24 -11.48	17.08 0.25 -12.18	18.06 0.24 -13.22	20.05 0.20 -15.31	27.34 0.28 -21.42	32.13 0.36 -23.60	33.61 0.63 -17.96	34.66 0.69 -17.82	32.48 0.74 -15.19	23.31 0.56 -9.83	20.59 0.31 -12.20
RIVERSDE_115KV_TB3 55908	24.71 0.11 -21.85	23.15 0.09 -20.97	22.61 0.09 -20.38	21.71 0.10 -19.32	21.50 0.10 -19.06	20.58 0.11 -17.99	22.82 0.09 -20.61	20.53 0.13 -17.30	20.63 0.16 -16.78	20.35 0.22 -15.10	20.06 0.19 -15.66	18.69 0.20 -13.98	18.05 0.22 -12.80	19.08 0.21 -14.22	19.93 0.20 -15.07	21.17 0.20 -16.36	23.70 0.20 -18.95	32.41 0.25 -26.52	37.15 0.37 -28.60	37.63 0.68 -21.94	38.91 0.71 -22.06	36.08 0.73 -18.81	25.66 0.57 -12.17	23.52 0.34 -15.11
ROARING____BROOK_WT_PWR 323790	2.62 -0.13 0.00	2.00 -0.10 0.00	2.04 -0.10 0.00	2.18 -0.11 0.00	2.23 -0.10 0.00	2.38 -0.11 0.00	2.04 -0.09 0.00	2.98 -0.12 0.00	3.54 -0.14 0.00	4.86 -0.18 0.00	4.08 -0.13 0.00	4.38 -0.13 0.00	4.89 -0.14 0.00	4.54 -0.13 0.00	4.53 -0.13 0.00	4.48 -0.13 0.00	4.42 -0.12 0.00	5.49 -0.15 0.00	7.96 -0.21 0.00	14.66 -0.36 0.00	15.76 -0.39 0.00	16.10 -0.45 0.00	12.56 -0.36 0.00	7.84 -0.23 0.00
ROCHESRG_115KV_T4 355643	5.21 0.00 -2.47	4.47 0.01 -2.37	4.46 0.02 -2.30	4.49 0.02 -2.18	4.50 0.02 -2.15	4.54 0.02 -2.03	4.46 0.01 -2.33	5.07 0.02 -1.95	5.59 0.01 -1.90	6.75 0.01 -1.71	5.98 0.00 -1.77	6.10 0.01 -1.58	6.48 0.01 -1.45	6.28 0.01 -1.61	6.38 0.02 -1.70	6.47 0.02 -1.85	6.70 0.01 -2.15	8.67 0.03 -3.00	11.53 0.08 -3.27	17.58 0.06 -2.50	18.63 -0.02 -2.50	18.71 0.03 -2.13	14.26 -0.04 -1.38	9.79 0.01 -1.71
ROCHESTER_9_IC 23652	5.24 0.01 -2.48	4.49 0.02 -2.38	4.48 0.03 -2.31	4.51 0.03 -2.19	4.52 0.03 -2.16	4.56 0.03 -2.04	4.48 0.02 -2.34	5.10 0.03 -1.96	5.62 0.03 -1.90	6.78 0.03 -1.71	6.01 0.03 -1.78	6.13 0.04 -1.59	6.51 0.03 -1.45	6.31 0.03 -1.61	6.41 0.05 -1.71	6.50 0.04 -1.86	6.74 0.04 -2.16	8.72 0.06 -3.02	11.59 0.13 -3.29	17.68 0.15 -2.51	18.75 0.10 -2.51	18.83 0.15 -2.14	14.35 0.04 -1.38	9.85 0.06 -1.72
ROCKVIEW_13_KV_LD 356306	20.58 0.19 -17.65	19.17 0.14 -16.93	18.73 0.13 -16.46	18.03 0.14 -15.61	17.87 0.14 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.26 -13.56	17.60 0.37 -12.20	17.16 0.30 -12.65	16.13 0.32 -11.29	15.74 0.37 -10.34	16.49 0.35 -11.49	17.18 0.35 -12.18	18.17 0.35 -13.22	20.17 0.32 -15.31	27.50 0.43 -21.43	32.37 0.60 -23.60	34.04 1.07 -17.96	35.09 1.13 -17.82	32.93 1.19 -15.19	23.64 0.89 -9.83	20.80 0.52 -12.20
ROME____115KV_TB2 80656	3.88 0.05 -1.08	3.17 0.04 -1.04	3.19 0.04 -1.01	3.28 0.04 -0.95	3.32 0.04 -0.94	3.43 0.05 -0.89	3.18 0.04 -1.02	4.02 0.07 -0.85	4.58 0.07 -0.83	5.88 0.10 -0.75	5.05 0.07 -0.77	5.25 0.05 -0.69	5.71 0.06 -0.63	5.42 0.05 -0.70	5.45 0.06 -0.74	5.47 0.06 -0.81	5.53 0.05 -0.94	7.06 0.11 -1.31	9.79 0.19 -1.43	16.59 0.48 -1.09	17.78 0.55 -1.09	17.97 0.50 -0.93	13.91 0.39 -0.60	9.03 0.21 -0.75
ROSETON____1 23587	20.36 0.15 -17.46	18.96 0.11 -16.76	18.54 0.11 -16.29	17.85 0.11 -15.44	17.69 0.12 -15.23	16.99 0.13 -14.38	18.71 0.11 -16.47	17.10 0.16 -13.83	17.31 0.21 -13.42	17.41 0.30 -12.07	16.97 0.24 -12.52	15.95 0.27 -11.17	15.56 0.30 -10.23	16.31 0.28 -11.36	16.99 0.29 -12.05	17.96 0.28 -13.08	19.95 0.25 -15.15	27.18 0.34 -21.20	31.99 0.47 -23.34	33.62 0.84 -17.77	34.68 0.90 -17.63	32.52 0.94 -15.03	23.37 0.72 -9.72	20.57 0.42 -12.07
ROSETON____2 23588	20.36 0.15 -17.46	18.96 0.11 -16.76	18.54 0.11 -16.29	17.85 0.11 -15.44	17.69 0.12 -15.23	16.99 0.13 -14.38	18.71 0.11 -16.47	17.10 0.16 -13.83	17.31 0.21 -13.42	17.41 0.30 -12.07	16.97 0.24 -12.52	15.95 0.27 -11.17	15.56 0.30 -10.23	16.31 0.28 -11.36	16.99 0.29 -12.05	17.96 0.28 -13.08	19.95 0.25 -15.15	27.18 0.34 -21.20	31.99 0.47 -23.34	33.62 0.84 -17.77	34.68 0.90 -17.63	32.52 0.94 -15.03	23.37 0.72 -9.72	20.57 0.42 -12.07
ROTTDAM_115KV_TB3 80664	25.97 0.10 -23.11	24.36 0.08 -22.18	23.78 0.08 -21.56	22.82 0.09 -20.44	22.59 0.09 -20.17	21.62 0.10 -19.03	24.05 0.08 -21.85	21.57 0.12 -18.35	21.62 0.15 -17.80	21.25 0.20 -16.01	20.98 0.17 -16.61	19.51 0.18 -14.82	18.80 0.20 -13.58	19.92 0.19 -15.07	20.82 0.18 -15.98	22.13 0.18 -17.35	24.82 0.19 -20.10	34.01 0.24 -28.12	38.88 0.36 -30.35	38.95 0.68 -23.26	40.19 0.71 -23.34	37.15 0.71 -19.90	26.34 0.54 -12.87	24.36 0.31 -15.98
RUSSELL____1 23602	5.25 0.03 -2.48	4.50 0.03 -2.38	4.49 0.04 -2.31	4.52 0.04 -2.19	4.53 0.03 -2.16	4.57 0.04 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.96	5.63 0.04 -1.90	6.80 0.05 -1.71	6.03 0.04 -1.78	6.15 0.05 -1.59	6.53 0.06 -1.45	6.33 0.06 -1.61	6.43 0.07 -1.71	6.53 0.06 -1.86	6.76 0.06 -2.16	8.75 0.09 -3.02	11.63 0.17 -3.29	17.77 0.24 -2.51	18.83 0.18 -2.51	18.92 0.23 -2.14	14.43 0.12 -1.38	9.90 0.10 -1.72
RUSSELL____2 23532	5.25 0.03 -2.48	4.50 0.03 -2.38	4.49 0.04 -2.31	4.52 0.04 -2.19	4.53 0.03 -2.16	4.57 0.04 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.96	5.63 0.04 -1.90	6.80 0.05 -1.71	6.03 0.04 -1.78	6.15 0.05 -1.59	6.53 0.06 -1.45	6.33 0.06 -1.61	6.43 0.07 -1.71	6.53 0.06 -1.86	6.76 0.06 -2.16	8.75 0.09 -3.02	11.63 0.17 -3.29	17.77 0.24 -2.51	18.83 0.18 -2.51	18.92 0.23 -2.14	14.43 0.12 -1.38	9.90 0.10 -1.72
RUSSELL____3 23549	5.25 0.03 -2.48	4.50 0.03 -2.38	4.49 0.04 -2.31	4.52 0.04 -2.19	4.53 0.03 -2.16	4.57 0.04 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.96	5.63 0.04 -1.90	6.80 0.05 -1.71	6.03 0.04 -1.78	6.15 0.05 -1.59	6.53 0.06 -1.45	6.33 0.06 -1.61	6.43 0.07 -1.71	6.53 0.06 -1.86	6.76 0.06 -2.16	8.75 0.09 -3.02	11.63 0.17 -3.29	17.77 0.24 -2.51	18.83 0.18 -2.51	18.92 0.23 -2.14	14.43 0.12 -1.38	9.90 0.10 -1.72
RUSSELL____4 23556	5.25 0.03 -2.48	4.50 0.03 -2.38	4.49 0.04 -2.31	4.52 0.04 -2.19	4.53 0.03 -2.16	4.57 0.04 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.96	5.63 0.04 -1.90	6.80 0.05 -1.71	6.03 0.04 -1.78	6.15 0.05 -1.59	6.53 0.06 -1.45	6.33 0.06 -1.61	6.43 0.07 -1.71	6.53 0.06 -1.86	6.76 0.06 -2.16	8.75 0.09 -3.02	11.63 0.17 -3.29	17.77 0.24 -2.51	18.83 0.18 -2.51	18.92 0.23 -2.14	14.43 0.12 -1.38	9.90 0.10 -1.72

RUSSELL___STATION 23914	5.25 0.03 -2.48	4.50 0.03 -2.38	4.49 0.04 -2.31	4.52 0.04 -2.19	4.53 0.03 -2.16	4.57 0.04 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.96	5.63 0.04 -1.90	6.80 0.05 -1.71	6.03 0.04 -1.78	6.15 0.05 -1.59	6.53 0.06 -1.45	6.33 0.06 -1.61	6.43 0.07 -1.71	6.53 0.06 -1.86	6.76 0.06 -2.16	8.75 0.09 -3.02	11.63 0.17 -3.29	17.77 0.24 -2.51	18.83 0.18 -2.51	18.92 0.23 -2.14	14.43 0.12 -1.38	9.90 0.10 -1.72
S SALMON___HYD 24043	4.33 -0.02 -1.60	3.62 -0.01 -1.54	3.62 -0.02 -1.50	3.69 -0.02 -1.42	3.72 -0.02 -1.40	3.79 -0.02 -1.32	3.62 -0.02 -1.51	4.35 -0.02 -1.27	4.87 -0.04 -1.23	6.09 -0.06 -1.11	5.31 -0.05 -1.15	5.47 -0.06 -1.03	5.89 -0.08 -0.94	5.63 -0.07 -1.04	5.68 -0.08 -1.11	5.74 -0.07 -1.20	5.87 -0.06 -1.39	7.53 -0.06 -1.95	10.23 -0.07 -2.12	16.61 -0.03 -1.62	17.73 -0.03 -1.62	17.89 -0.03 -1.38	13.82 0.00 -0.89	9.15 -0.03 -1.11
S.PERRY___115KV_TB1 80734	6.04 0.15 -3.14	5.22 0.12 -3.01	5.20 0.13 -2.92	5.20 0.14 -2.77	5.21 0.14 -2.74	5.22 0.15 -2.58	5.22 0.13 -2.96	5.77 0.19 -2.48	6.25 0.16 -2.41	7.39 0.19 -2.17	6.60 0.15 -2.25	6.66 0.14 -2.01	7.01 0.15 -1.84	6.84 0.14 -2.04	6.97 0.16 -2.16	7.11 0.15 -2.35	7.46 0.19 -2.72	9.74 0.28 -3.81	12.87 0.55 -4.15	19.30 1.11 -3.17	20.50 1.18 -3.17	20.47 1.22 -2.70	15.58 0.90 -1.75	10.79 0.54 -2.17
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	5.89 -0.02 -3.17	5.14 0.01 -3.04	5.12 0.03 -2.95	5.12 0.03 -2.80	5.12 0.03 -2.76	5.12 0.02 -2.61	5.12 0.01 -2.99	5.61 0.00 -2.51	6.12 0.00 -2.43	7.21 -0.02 -2.19	6.47 0.00 -2.27	6.54 0.00 -2.03	6.86 -0.02 -1.86	6.71 -0.01 -2.06	6.85 0.01 -2.18	6.97 -0.01 -2.37	7.29 -0.02 -2.77	9.51 -0.02 -3.88	12.42 0.02 -4.22	18.10 -0.15 -3.23	19.10 -0.27 -3.23	19.10 -0.20 -2.75	14.42 -0.28 -1.78	10.21 -0.07 -2.21
SAWYER___23_KV_LOAD 55526	5.89 -0.02 -3.17	5.14 0.01 -3.04	5.12 0.03 -2.95	5.12 0.03 -2.80	5.12 0.03 -2.76	5.12 0.02 -2.61	5.12 0.01 -2.99	5.61 0.00 -2.51	6.12 0.00 -2.43	7.21 -0.02 -2.19	6.47 0.00 -2.27	6.54 0.00 -2.03	6.86 -0.02 -1.86	6.71 -0.01 -2.06	6.85 0.01 -2.18	6.97 -0.01 -2.37	7.29 -0.02 -2.77	9.51 -0.02 -3.88	12.42 0.02 -4.22	18.10 -0.15 -3.23	19.10 -0.27 -3.23	19.10 -0.20 -2.75	14.42 -0.28 -1.78	10.21 -0.07 -2.21
SELKIRK___I 23801	24.36 0.11 -21.50	22.82 0.09 -20.63	22.29 0.09 -20.06	21.41 0.10 -19.02	21.20 0.10 -18.76	20.30 0.11 -17.70	22.50 0.09 -20.29	20.27 0.13 -17.03	20.36 0.16 -16.52	20.11 0.21 -14.87	19.80 0.18 -15.42	18.45 0.19 -13.75	17.83 0.21 -12.59	18.84 0.20 -13.98	19.67 0.20 -14.82	20.89 0.19 -16.09	23.38 0.20 -18.64	31.97 0.24 -26.08	36.79 0.38 -28.24	37.34 0.69 -21.63	38.58 0.74 -21.69	35.78 0.75 -18.49	25.47 0.58 -11.96	23.27 0.35 -14.85
SELKIRK___II 23799	24.62 0.10 -21.77	23.07 0.08 -20.89	22.53 0.08 -20.31	21.64 0.09 -19.26	21.42 0.09 -19.00	20.51 0.10 -17.93	22.75 0.08 -20.54	20.47 0.12 -17.25	20.56 0.15 -16.73	20.29 0.20 -15.05	19.99 0.17 -15.61	18.61 0.18 -13.92	17.97 0.20 -12.75	19.01 0.19 -14.16	19.85 0.19 -15.01	21.08 0.18 -16.29	23.60 0.18 -18.87	32.28 0.23 -26.41	37.08 0.34 -28.57	37.53 0.63 -21.89	38.77 0.66 -21.96	35.95 0.68 -18.72	25.57 0.53 -12.11	23.42 0.31 -15.04
SENECA OSWGO___HYD 24041	4.52 -0.03 -1.81	3.80 -0.03 -1.73	3.81 -0.02 -1.68	3.87 -0.02 -1.60	3.89 -0.02 -1.58	3.95 -0.02 -1.49	3.81 -0.02 -1.70	4.51 -0.03 -1.43	5.02 -0.04 -1.39	6.23 -0.06 -1.25	5.45 -0.05 -1.30	5.60 -0.06 -1.16	6.02 -0.07 -1.06	5.77 -0.07 -1.18	5.82 -0.07 -1.25	5.89 -0.06 -1.35	6.05 -0.06 -1.57	7.77 -0.06 -2.19	10.50 -0.07 -2.39	16.74 -0.10 -1.83	17.84 -0.13 -1.82	17.95 -0.15 -1.55	13.84 -0.09 -1.01	9.24 -0.08 -1.25
SENECA___115KV_TB3 355854	6.03 -0.01 -3.30	5.27 0.01 -3.17	5.25 0.03 -3.08	5.24 0.04 -2.92	5.25 0.03 -2.88	5.24 0.03 -2.72	5.26 0.02 -3.11	5.73 0.02 -2.61	6.24 0.03 -2.54	7.32 0.01 -2.28	6.59 0.02 -2.37	6.65 0.03 -2.11	6.97 0.01 -1.93	6.82 0.02 -2.14	6.96 0.03 -2.27	7.09 0.01 -2.47	7.44 0.01 -2.89	9.71 0.03 -4.04	12.67 0.10 -4.40	18.37 -0.02 -3.36	19.39 -0.11 -3.36	19.38 -0.03 -2.87	14.63 -0.16 -1.85	10.38 0.00 -2.30
SENECA___ENERGY 23797	5.36 0.00 -2.61	4.60 0.00 -2.50	4.58 0.01 -2.43	4.61 0.01 -2.31	4.62 0.01 -2.28	4.65 0.02 -2.15	4.60 0.01 -2.46	5.19 0.02 -2.07	5.70 0.01 -2.00	6.84 0.00 -1.80	6.07 0.00 -1.87	6.17 -0.01 -1.67	6.55 -0.01 -1.53	6.35 -0.01 -1.70	6.44 -0.01 -1.80	6.56 0.00 -1.95	6.81 0.00 -2.26	8.84 0.03 -3.17	11.71 0.09 -3.45	17.83 0.18 -2.64	18.93 0.14 -2.63	18.94 0.15 -2.25	14.48 0.10 -1.45	9.92 0.04 -1.80
SHOEMAKER___GT 23640	18.94 0.13 -16.06	17.60 0.09 -15.41	17.21 0.09 -14.98	16.59 0.10 -14.21	16.45 0.10 -14.01	15.82 0.11 -13.22	17.37 0.09 -15.15	15.96 0.13 -12.72	16.20 0.17 -12.34	16.38 0.24 -11.10	15.92 0.19 -11.52	15.00 0.21 -10.28	14.68 0.24 -9.41	15.34 0.22 -10.45	15.98 0.24 -11.08	16.86 0.23 -12.03	18.70 0.22 -13.94	25.44 0.29 -19.50	30.06 0.42 -21.46	32.10 0.75 -16.34	33.17 0.81 -16.21	31.21 0.84 -13.82	22.53 0.66 -8.94	19.56 0.38 -11.10
SHOEMAKR_138KV_BK 111 55601	18.83 0.13 -15.95	17.50 0.09 -15.31	17.11 0.09 -14.88	16.50 0.10 -14.11	16.35 0.10 -13.92	15.73 0.11 -13.13	17.27 0.09 -15.05	15.88 0.14 -12.64	16.12 0.18 -12.26	16.31 0.25 -11.03	15.84 0.20 -11.44	14.94 0.22 -10.21	14.62 0.24 -9.35	15.27 0.23 -10.38	15.89 0.23 -11.01	16.78 0.23 -11.95	18.60 0.22 -13.84	25.30 0.29 -19.37	29.91 0.43 -21.31	31.99 0.75 -16.23	33.06 0.81 -16.11	31.12 0.84 -13.73	22.46 0.65 -8.88	19.48 0.37 -11.03
SHOREHAM_IC_1 23715	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.96 0.52 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.19 0.54 -21.00	31.16 0.45 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	30.99 1.15 -16.91	25.34 0.68 -16.59
SHOREHAM_IC_2 23716	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.96 0.52 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.19 0.54 -21.00	31.16 0.45 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	30.99 1.15 -16.91	25.34 0.68 -16.59
SISSONVILLE___ 23735	2.67 -0.08 0.00	2.02 -0.07 0.00	2.46 -0.08 -0.40	2.63 -0.08 -0.42	2.68 -0.09 -0.43	2.85 -0.09 -0.45	2.45 -0.08 -0.40	3.54 -0.11 -0.54	4.17 -0.14 -0.63	5.60 -0.18 -0.74	4.05 -0.15 0.00	4.35 -0.16 0.00	4.85 -0.18 0.00	4.47 -0.20 0.00	4.41 -0.25 0.00	4.36 -0.25 0.00	4.31 -0.24 0.00	5.33 -0.32 0.00	7.72 -0.46 0.00	14.25 -0.77 0.00	15.44 -0.71 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.87 -0.21 0.00

SITHE_IND_GS1 24169	4.23 -0.07 -1.55	3.53 -0.05 -1.49	3.54 -0.05 -1.45	3.61 -0.05 -1.37	3.63 -0.06 -1.35	3.71 -0.06 -1.28	3.54 -0.05 -1.46	4.26 -0.07 -1.23	4.78 -0.09 -1.19	5.98 -0.13 -1.07	5.21 -0.11 -1.11	5.39 -0.12 -0.99	5.80 -0.14 -0.91	5.55 -0.13 -1.01	5.59 -0.13 -1.07	5.65 -0.12 -1.16	5.77 -0.12 -1.35	7.39 -0.14 -1.88	10.04 -0.18 -2.05	16.25 -0.33 -1.57	17.34 -0.37 -1.57	17.50 -0.38 -1.33	13.49 -0.30 -0.86	8.95 -0.19 -1.07
SITHE_IND_GS2 24170	4.23 -0.07 -1.55	3.53 -0.05 -1.49	3.54 -0.05 -1.45	3.61 -0.05 -1.37	3.63 -0.06 -1.35	3.71 -0.06 -1.28	3.54 -0.05 -1.46	4.26 -0.07 -1.23	4.78 -0.09 -1.19	5.98 -0.13 -1.07	5.21 -0.11 -1.11	5.39 -0.12 -0.99	5.80 -0.14 -0.91	5.55 -0.13 -1.01	5.59 -0.13 -1.07	5.65 -0.12 -1.16	5.77 -0.12 -1.35	7.39 -0.14 -1.88	10.04 -0.18 -2.05	16.25 -0.33 -1.57	17.34 -0.37 -1.57	17.50 -0.38 -1.33	13.49 -0.30 -0.86	8.95 -0.19 -1.07
SITHE_IND_GS3 24171	4.23 -0.07 -1.55	3.53 -0.05 -1.49	3.54 -0.05 -1.45	3.61 -0.05 -1.37	3.63 -0.06 -1.35	3.71 -0.06 -1.28	3.54 -0.05 -1.46	4.26 -0.07 -1.23	4.78 -0.09 -1.19	5.98 -0.13 -1.07	5.21 -0.11 -1.11	5.39 -0.12 -0.99	5.80 -0.14 -0.91	5.55 -0.13 -1.01	5.59 -0.13 -1.07	5.65 -0.12 -1.16	5.77 -0.12 -1.35	7.39 -0.14 -1.88	10.04 -0.18 -2.05	16.25 -0.33 -1.57	17.34 -0.37 -1.57	17.50 -0.38 -1.33	13.49 -0.30 -0.86	8.95 -0.19 -1.07
SITHE_IND_GS4 24172	4.23 -0.07 -1.55	3.53 -0.05 -1.49	3.54 -0.05 -1.45	3.61 -0.05 -1.37	3.63 -0.06 -1.35	3.71 -0.06 -1.28	3.54 -0.05 -1.46	4.26 -0.07 -1.23	4.78 -0.09 -1.19	5.98 -0.13 -1.07	5.21 -0.11 -1.11	5.39 -0.12 -0.99	5.80 -0.14 -0.91	5.55 -0.13 -1.01	5.59 -0.13 -1.07	5.65 -0.12 -1.16	5.77 -0.12 -1.35	7.39 -0.14 -1.88	10.04 -0.18 -2.05	16.25 -0.33 -1.57	17.34 -0.37 -1.57	17.50 -0.38 -1.33	13.49 -0.30 -0.86	8.95 -0.19 -1.07
SITHE___BATAVIA 24024	5.32 0.09 -2.49	4.54 0.06 -2.39	4.54 0.08 -2.32	4.57 0.08 -2.20	4.58 0.08 -2.17	4.63 0.09 -2.05	4.55 0.07 -2.35	5.18 0.11 -1.97	5.71 0.12 -1.91	6.91 0.15 -1.72	6.11 0.12 -1.78	6.24 0.14 -1.59	6.63 0.15 -1.46	6.43 0.14 -1.62	6.49 0.13 -1.72	6.63 0.16 -1.86	6.86 0.15 -2.16	8.87 0.21 -3.02	11.82 0.36 -3.29	18.16 0.63 -2.51	19.26 0.60 -2.51	19.37 0.68 -2.14	14.76 0.45 -1.39	10.09 0.30 -1.72
SITHE___INDEPEND 23800	4.23 -0.07 -1.55	3.53 -0.05 -1.49	3.54 -0.05 -1.45	3.61 -0.05 -1.37	3.63 -0.06 -1.35	3.71 -0.06 -1.28	3.54 -0.05 -1.46	4.26 -0.07 -1.23	4.78 -0.09 -1.19	5.98 -0.13 -1.07	5.21 -0.11 -1.11	5.39 -0.12 -0.99	5.80 -0.14 -0.91	5.55 -0.13 -1.01	5.60 -0.12 -1.07	5.65 -0.12 -1.16	5.77 -0.12 -1.35	7.39 -0.14 -1.88	10.04 -0.18 -2.05	16.25 -0.33 -1.57	17.34 -0.37 -1.57	17.50 -0.38 -1.34	13.49 -0.30 -0.86	8.95 -0.19 -1.07
SITHE___MASSENA 23902	2.69 -0.06 0.00	2.05 -0.05 0.00	2.18 -0.06 -0.10	2.33 -0.06 -0.10	2.38 -0.06 -0.10	2.53 -0.06 -0.11	2.17 -0.06 -0.10	3.16 -0.08 -0.13	3.73 -0.10 -0.15	5.08 -0.13 -0.18	4.10 -0.11 0.00	4.40 -0.11 0.00	4.90 -0.13 0.00	4.54 -0.12 0.00	4.51 -0.14 0.00	4.47 -0.14 0.00	4.41 -0.13 0.00	5.46 -0.18 0.00	7.90 -0.27 0.00	14.54 -0.48 0.00	15.68 -0.47 0.00	16.10 -0.45 0.00	12.60 -0.32 0.00	7.89 -0.19 0.00
SITHE___OGDNSBRG 24021	2.70 -0.05 0.00	2.05 -0.05 0.00	2.37 -0.06 -0.28	2.53 -0.06 -0.30	2.58 -0.06 -0.30	2.75 -0.06 -0.32	2.35 -0.05 -0.28	3.41 -0.08 -0.38	4.02 -0.10 -0.44	5.43 -0.13 -0.52	4.09 -0.11 0.00	4.39 -0.12 0.00	4.89 -0.14 0.00	4.52 -0.14 0.00	4.48 -0.17 0.00	4.44 -0.17 0.00	4.38 -0.16 0.00	5.44 -0.20 0.00	7.89 -0.29 0.00	14.58 -0.44 0.00	15.76 -0.39 0.00	16.20 -0.35 0.00	12.69 -0.23 0.00	7.94 -0.14 0.00
SITHE___STERLING 23777	4.04 0.05 -1.25	3.34 0.05 -1.20	3.34 0.04 -1.16	3.43 0.04 -1.10	3.46 0.04 -1.09	3.56 0.04 -1.03	3.34 0.04 -1.18	4.15 0.06 -0.99	4.70 0.06 -0.96	5.98 0.08 -0.86	5.16 0.06 -0.89	5.35 0.04 -0.80	5.81 0.05 -0.73	5.52 0.05 -0.81	5.55 0.03 -0.86	5.60 0.06 -0.93	5.68 0.05 -1.08	7.25 0.09 -1.52	9.99 0.16 -1.65	16.68 0.41 -1.26	17.84 0.44 -1.26	18.03 0.41 -1.07	13.93 0.31 -0.70	9.11 0.17 -0.86
SLEIGHT___34_KV_TB1 80719	5.27 0.05 -2.47	4.52 0.05 -2.37	4.50 0.05 -2.31	4.53 0.05 -2.19	4.55 0.06 -2.16	4.59 0.06 -2.04	4.51 0.06 -2.33	5.15 0.09 -1.96	5.67 0.09 -1.90	6.86 0.11 -1.71	6.07 0.09 -1.77	6.18 0.09 -1.58	6.57 0.10 -1.45	6.36 0.08 -1.61	6.46 0.10 -1.71	6.55 0.09 -1.85	6.79 0.10 -2.15	8.79 0.14 -3.01	11.70 0.25 -3.27	18.00 0.48 -2.50	19.13 0.48 -2.50	19.16 0.48 -2.13	14.67 0.36 -1.38	9.97 0.19 -1.71
SOUTH CAIRO___GT 23612	23.48 0.15 -20.59	21.96 0.11 -19.75	21.46 0.12 -19.20	20.62 0.13 -18.21	20.42 0.13 -17.96	19.57 0.14 -16.95	21.66 0.11 -19.42	19.58 0.17 -16.31	19.70 0.20 -15.82	19.52 0.25 -14.23	19.15 0.18 -14.76	17.89 0.22 -13.17	17.30 0.21 -12.06	18.26 0.20 -13.39	19.07 0.22 -14.20	20.22 0.21 -15.41	22.64 0.25 -17.85	30.96 0.34 -24.98	35.88 0.61 -27.10	36.93 1.17 -20.74	38.22 1.31 -20.77	35.49 1.24 -17.71	25.30 0.92 -11.46	22.79 0.49 -14.22
SOUTH HAMPTN___IC 23720	29.58 0.31 -26.53	27.20 0.23 -24.87	26.82 0.23 -24.44	25.57 0.25 -23.04	25.88 0.25 -23.29	21.39 0.27 -18.63	19.00 0.23 -16.65	21.06 0.34 -17.62	21.98 0.42 -17.88	23.03 0.59 -17.40	24.29 0.46 -19.62	26.19 0.50 -21.18	26.17 0.55 -20.59	27.95 0.52 -22.77	26.26 0.61 -21.00	31.22 0.51 -26.10	35.12 0.49 -30.09	44.87 0.68 -38.55	46.78 0.98 -37.62	47.95 1.73 -31.21	45.81 1.82 -27.84	39.78 1.90 -21.33	31.23 1.40 -16.91	25.49 0.82 -16.59
SOUTHDOW_115KV_TB1 355954	6.26 0.01 -3.50	5.48 0.02 -3.36	5.45 0.04 -3.27	5.44 0.05 -3.10	5.44 0.05 -3.06	5.43 0.06 -2.88	5.48 0.05 -3.31	5.96 0.09 -2.78	6.49 0.12 -2.69	7.59 0.13 -2.42	6.84 0.13 -2.51	6.89 0.14 -2.24	7.20 0.12 -2.05	7.06 0.12 -2.28	7.20 0.13 -2.42	7.34 0.11 -2.62	7.75 0.12 -3.09	10.14 0.17 -4.32	13.21 0.34 -4.70	19.03 0.42 -3.59	20.13 0.39 -3.59	20.10 0.50 -3.06	15.17 0.26 -1.98	10.79 0.26 -2.46
SOUTHOLD_69_KV_BK 2 55809	29.63 0.35 -26.53	27.24 0.27 -24.87	26.85 0.27 -24.44	25.61 0.28 -23.04	25.91 0.29 -23.29	21.43 0.31 -18.63	19.04 0.26 -16.65	21.11 0.39 -17.61	22.04 0.49 -17.87	23.11 0.67 -17.40	24.36 0.53 -19.62	26.27 0.58 -21.18	26.25 0.63 -20.59	28.03 0.59 -22.77	26.22 0.57 -21.00	31.30 0.59 -26.10	35.22 0.59 -30.09	45.00 0.81 -38.55	46.97 1.17 -37.62	48.30 2.07 -31.21	46.17 2.18 -27.84	40.13 2.25 -21.33	31.49 1.65 -16.91	25.65 0.99 -16.59
SOUTHOLD___IC 23719	29.63 0.35 -26.53	27.23 0.27 -24.87	26.85 0.27 -24.44	25.61 0.28 -23.04	25.91 0.29 -23.29	21.43 0.31 -18.63	19.04 0.26 -16.65	21.11 0.39 -17.62	22.04 0.49 -17.88	23.12 0.68 -17.40	24.36 0.53 -19.62	26.27 0.58 -21.18	26.25 0.63 -20.59	28.03 0.59 -22.77	26.35 0.70 -21.00	31.30 0.59 -26.10	35.22 0.59 -30.09	45.00 0.81 -38.55	46.97 1.17 -37.62	48.30 2.07 -31.21	46.16 2.18 -27.84	40.12 2.25 -21.33	31.49 1.65 -16.91	25.65 0.98 -16.59

SPIERFLS_115KV_TB 1 80737	25.68 0.12 -22.81	24.08 0.09 -21.89	23.51 0.10 -21.28	22.57 0.11 -20.18	22.34 0.11 -19.90	21.38 0.11 -18.78	23.77 0.09 -21.55	21.35 0.15 -18.10	21.41 0.17 -17.55	21.07 0.24 -15.79	20.79 0.21 -16.38	19.34 0.21 -14.62	18.65 0.23 -13.39	19.75 0.22 -14.87	20.63 0.21 -15.76	21.92 0.21 -17.11	24.63 0.26 -19.82	33.71 0.33 -27.74	38.60 0.53 -29.90	38.96 1.02 -22.93	40.26 1.08 -23.03	37.19 1.01 -19.63	26.38 0.75 -12.70	24.26 0.41 -15.77
ST LAWRENCE____ 23600	2.66 -0.08 0.00	2.03 -0.06 0.00	2.07 -0.07 0.00	2.21 -0.08 0.00	2.26 -0.08 0.00	2.41 -0.08 0.00	2.05 -0.07 0.00	3.00 -0.10 0.00	3.55 -0.13 0.00	4.86 -0.18 0.00	4.06 -0.14 0.00	4.36 -0.15 0.00	4.86 -0.17 0.00	4.51 -0.15 0.00	4.49 -0.16 0.00	4.44 -0.16 0.00	4.39 -0.15 0.00	5.43 -0.21 0.00	7.86 -0.32 0.00	14.43 -0.59 0.00	15.55 -0.60 0.00	15.95 -0.59 0.00	12.47 -0.45 0.00	7.82 -0.25 0.00
STATE_CA_115KV_115_LB 55624	25.16 0.13 -22.29	23.58 0.10 -21.39	23.03 0.10 -20.79	22.12 0.11 -19.71	21.90 0.11 -19.45	20.96 0.12 -18.35	23.26 0.10 -21.03	20.91 0.15 -17.66	20.99 0.18 -17.13	20.70 0.25 -15.41	20.40 0.21 -15.99	19.00 0.23 -14.27	18.35 0.25 -13.07	19.41 0.23 -14.51	20.27 0.23 -15.39	21.54 0.23 -16.70	24.12 0.24 -19.35	33.00 0.29 -27.07	37.86 0.44 -29.24	38.23 0.80 -22.41	39.50 0.86 -22.50	36.59 0.86 -19.18	26.00 0.66 -12.41	23.87 0.39 -15.41
STATE_ST_34_KV_LOAD 55959	5.35 0.01 -2.59	4.60 0.02 -2.49	4.58 0.02 -2.42	4.60 0.02 -2.29	4.62 0.02 -2.26	4.64 0.02 -2.13	4.59 0.02 -2.44	5.19 0.04 -2.05	5.71 0.04 -1.99	6.87 0.04 -1.79	6.10 0.03 -1.86	6.20 0.03 -1.66	6.58 0.03 -1.52	6.37 0.02 -1.69	6.48 0.04 -1.79	6.58 0.04 -1.94	6.86 0.07 -2.25	8.90 0.11 -3.15	11.79 0.20 -3.42	18.02 0.39 -2.62	19.15 0.39 -2.62	19.16 0.38 -2.23	14.68 0.31 -1.44	10.02 0.15 -1.79
STATION 5_MISC_HYD 23604	5.24 0.01 -2.48	4.48 0.01 -2.38	4.48 0.03 -2.31	4.51 0.03 -2.19	4.52 0.03 -2.16	4.56 0.03 -2.04	4.48 0.02 -2.34	5.10 0.03 -1.96	5.61 0.03 -1.90	6.78 0.03 -1.71	6.01 0.03 -1.78	6.13 0.04 -1.59	6.51 0.03 -1.45	6.31 0.03 -1.61	6.39 0.02 -1.71	6.50 0.04 -1.86	6.73 0.04 -2.15	8.71 0.06 -3.01	11.58 0.13 -3.28	17.67 0.15 -2.50	18.75 0.10 -2.50	18.83 0.15 -2.13	14.34 0.04 -1.38	9.85 0.06 -1.71
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	5.26 0.02 -2.48	4.50 0.02 -2.38	4.49 0.03 -2.32	4.52 0.03 -2.20	4.53 0.03 -2.17	4.57 0.03 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.97	5.63 0.04 -1.91	6.80 0.05 -1.72	6.02 0.04 -1.78	6.14 0.04 -1.59	6.52 0.04 -1.46	6.32 0.04 -1.62	6.42 0.05 -1.71	6.52 0.05 -1.86	6.75 0.05 -2.16	8.74 0.07 -3.02	11.61 0.15 -3.29	17.77 0.24 -2.51	18.87 0.21 -2.51	18.92 0.23 -2.14	14.44 0.13 -1.39	9.88 0.08 -1.72
STA_56_34_KV_BUS2_REV_LBMP_B 345033	5.20 0.00 -2.46	4.46 0.01 -2.36	4.45 0.02 -2.29	4.48 0.02 -2.18	4.49 0.01 -2.15	4.53 0.01 -2.03	4.45 0.01 -2.32	5.06 0.01 -1.95	5.58 0.01 -1.89	6.74 0.01 -1.70	5.97 0.00 -1.76	6.09 0.01 -1.57	6.47 0.01 -1.44	6.27 0.01 -1.60	6.37 0.02 -1.70	6.47 0.02 -1.84	6.70 0.01 -2.14	8.67 0.03 -3.00	11.52 0.08 -3.26	17.59 0.08 -2.49	18.64 0.00 -2.49	18.72 0.05 -2.12	14.27 -0.03 -1.37	9.79 0.01 -1.71
STA_56____34_KV_BUS2 355983	5.20 0.00 -2.46	4.46 0.01 -2.36	4.45 0.02 -2.29	4.48 0.02 -2.18	4.49 0.01 -2.15	4.53 0.01 -2.03	4.45 0.01 -2.32	5.06 0.01 -1.95	5.58 0.01 -1.89	6.74 0.01 -1.70	5.97 0.00 -1.76	6.09 0.01 -1.57	6.47 0.01 -1.44	6.27 0.01 -1.60	6.37 0.02 -1.70	6.47 0.02 -1.84	6.70 0.01 -2.14	8.67 0.03 -3.00	11.52 0.08 -3.26	17.59 0.08 -2.49	18.64 0.00 -2.49	18.72 0.05 -2.12	14.27 -0.03 -1.37	9.79 0.01 -1.71
STA_67____115KV_BK2 355882	5.23 0.01 -2.48	4.49 0.02 -2.38	4.48 0.03 -2.31	4.51 0.03 -2.19	4.52 0.02 -2.16	4.55 0.02 -2.04	4.48 0.02 -2.34	5.09 0.02 -1.96	5.61 0.02 -1.90	6.77 0.02 -1.71	6.00 0.02 -1.78	6.12 0.03 -1.59	6.50 0.02 -1.45	6.30 0.02 -1.61	6.40 0.04 -1.71	6.49 0.03 -1.86	6.73 0.03 -2.16	8.71 0.05 -3.02	11.56 0.11 -3.28	17.65 0.12 -2.51	18.70 0.05 -2.51	18.78 0.10 -2.14	14.32 0.01 -1.38	9.83 0.04 -1.72
STA_7____115KV_9TRANS 80674	5.25 0.03 -2.48	4.50 0.03 -2.38	4.49 0.04 -2.31	4.52 0.04 -2.19	4.53 0.03 -2.16	4.57 0.04 -2.04	4.49 0.03 -2.34	5.11 0.04 -1.96	5.63 0.04 -1.90	6.80 0.05 -1.71	6.03 0.04 -1.78	6.15 0.05 -1.59	6.53 0.06 -1.45	6.33 0.06 -1.61	6.43 0.07 -1.71	6.53 0.06 -1.86	6.76 0.06 -2.16	8.75 0.09 -3.02	11.63 0.17 -3.29	17.77 0.24 -2.51	18.83 0.18 -2.51	18.92 0.23 -2.14	14.43 0.12 -1.38	9.90 0.10 -1.72
STA_82____115KV_TB1 80780	5.24 0.01 -2.49	4.50 0.02 -2.39	4.49 0.03 -2.32	4.52 0.03 -2.20	4.53 0.02 -2.17	4.56 0.02 -2.05	4.49 0.02 -2.35	5.10 0.02 -1.97	5.62 0.03 -1.91	6.78 0.02 -1.72	6.01 0.02 -1.78	6.13 0.03 -1.59	6.51 0.03 -1.46	6.31 0.03 -1.62	6.41 0.04 -1.72	6.50 0.03 -1.86	6.74 0.03 -2.16	8.72 0.05 -3.03	11.58 0.11 -3.30	17.67 0.14 -2.52	18.73 0.06 -2.52	18.81 0.12 -2.15	14.33 0.01 -1.39	9.85 0.05 -1.72
STEEL____WIND 323596	6.03 -0.02 -3.30	5.25 -0.01 -3.17	5.25 0.03 -3.08	5.24 0.03 -2.92	5.24 0.03 -2.88	5.24 0.03 -2.72	5.25 0.02 -3.11	5.73 0.02 -2.61	6.24 0.02 -2.54	7.32 0.00 -2.28	6.59 0.02 -2.37	6.64 0.02 -2.11	6.96 0.01 -1.93	6.82 0.01 -2.14	6.91 -0.01 -2.27	7.09 0.01 -2.47	7.41 0.00 -2.86	9.67 0.02 -4.00	12.62 0.09 -4.36	18.33 -0.01 -3.33	19.35 -0.13 -3.33	19.33 -0.05 -2.84	14.59 -0.17 -1.84	10.35 -0.01 -2.28
STEPHTWN_115KV_BK_2 55603	24.72 0.14 -21.84	23.16 0.11 -20.95	22.62 0.11 -20.37	21.72 0.12 -19.31	21.51 0.12 -19.05	20.59 0.13 -17.98	22.82 0.11 -20.59	20.55 0.16 -17.29	20.65 0.20 -16.77	20.39 0.26 -15.09	20.08 0.23 -15.65	18.72 0.24 -13.97	18.08 0.26 -12.79	19.12 0.25 -14.21	19.95 0.24 -15.06	21.19 0.24 -16.35	23.73 0.25 -18.94	32.45 0.30 -26.50	37.27 0.47 -28.62	37.83 0.87 -21.94	39.11 0.92 -22.05	36.27 0.93 -18.80	25.80 0.71 -12.16	23.59 0.42 -15.10
STEBEN_REC_LFGE 323667	6.87 0.12 -4.00	6.03 0.10 -3.84	5.99 0.11 -3.73	5.96 0.13 -3.54	5.96 0.13 -3.49	5.93 0.14 -3.29	6.03 0.13 -3.78	6.46 0.19 -3.17	6.95 0.19 -3.08	8.04 0.24 -2.77	7.27 0.19 -2.87	7.27 0.19 -2.56	7.57 0.20 -2.35	7.44 0.18 -2.60	7.61 0.20 -2.76	7.79 0.19 -3.00	8.21 0.19 -3.47	10.78 0.28 -4.86	13.98 0.51 -5.29	20.07 1.01 -4.04	21.25 1.07 -4.04	21.05 1.06 -3.44	15.94 0.79 -2.23	11.30 0.46 -2.77
STONY____BROOK 24151	29.54 0.26 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.22 -23.29	21.36 0.24 -18.63	18.97 0.20 -16.65	21.02 0.30 -17.62	21.92 0.37 -17.88	22.96 0.51 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.90 0.46 -22.77	26.18 0.53 -21.00	31.16 0.45 -26.10	35.07 0.44 -30.09	44.80 0.60 -38.55	46.66 0.86 -37.62	47.75 1.52 -31.21	45.60 1.61 -27.84	39.56 1.69 -21.33	31.12 1.28 -16.91	25.43 0.77 -16.59

STURGEON_POOL_HYD 23609	20.72 0.15 -17.82	19.31 0.11 -17.10	18.87 0.10 -16.62	18.16 0.10 -15.77	18.00 0.11 -15.55	17.29 0.12 -14.68	19.04 0.10 -16.81	17.37 0.15 -14.12	17.58 0.21 -13.69	17.65 0.29 -12.32	17.21 0.23 -12.78	16.17 0.26 -11.40	15.76 0.29 -10.45	16.53 0.27 -11.60	17.23 0.28 -12.30	18.23 0.28 -13.35	20.24 0.23 -15.46	27.60 0.32 -21.64	32.34 0.47 -23.70	33.92 0.83 -18.08	35.05 0.90 -18.00	32.83 0.94 -15.34	23.54 0.69 -9.93	20.78 0.38 -12.32
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	19.31 0.15 -16.42	17.96 0.11 -15.76	17.56 0.10 -15.31	16.92 0.11 -14.52	16.77 0.11 -14.33	16.13 0.12 -13.52	17.72 0.10 -15.49	16.26 0.16 -13.01	16.50 0.20 -12.62	16.67 0.29 -11.35	16.21 0.23 -11.77	15.27 0.25 -10.51	14.93 0.28 -9.62	15.61 0.27 -10.69	16.25 0.27 -11.33	17.17 0.27 -12.30	19.03 0.25 -14.25	25.90 0.33 -19.94	30.58 0.47 -21.94	32.55 0.83 -16.70	33.61 0.89 -16.58	31.60 0.93 -14.13	22.77 0.70 -9.14	19.83 0.40 -11.35
SWANROAD_115KV_TB1 355699	5.74 -0.05 -3.05	5.02 0.00 -2.92	5.01 0.03 -2.84	5.02 0.03 -2.70	5.02 0.03 -2.66	5.02 0.02 -2.51	4.99 -0.01 -2.87	5.46 -0.05 -2.41	5.96 -0.07 -2.34	7.03 -0.12 -2.11	6.31 -0.08 -2.18	6.37 -0.09 -1.95	6.69 -0.12 -1.78	6.54 -0.10 -1.98	6.67 -0.08 -2.10	6.79 -0.10 -2.28	7.08 -0.12 -2.66	9.22 -0.14 -3.72	12.07 -0.16 -4.05	17.62 -0.50 -3.10	18.58 -0.66 -3.09	18.59 -0.60 -2.64	14.05 -0.58 -1.71	9.95 -0.24 -2.12
SYNERGY___BIOGAS 323694	5.32 0.09 -2.49	4.54 0.06 -2.39	4.54 0.08 -2.32	4.57 0.08 -2.20	4.58 0.08 -2.17	4.63 0.09 -2.05	4.55 0.07 -2.35	5.18 0.11 -1.97	5.71 0.12 -1.91	6.91 0.15 -1.72	6.11 0.12 -1.78	6.24 0.14 -1.59	6.63 0.15 -1.46	6.43 0.14 -1.62	6.49 0.13 -1.72	6.63 0.16 -1.86	6.86 0.15 -2.16	8.87 0.21 -3.02	11.82 0.36 -3.29	18.16 0.63 -2.51	19.26 0.60 -2.51	19.37 0.68 -2.14	14.76 0.45 -1.39	10.09 0.30 -1.72
SYRACUSE___ENERGY_ST1 323597	4.90 -0.01 -2.16	4.17 0.00 -2.07	4.16 0.00 -2.02	4.20 0.00 -1.91	4.22 0.00 -1.89	4.27 0.00 -1.78	4.17 0.00 -2.04	4.82 0.00 -1.71	5.34 0.00 -1.66	6.52 -0.01 -1.49	5.75 -0.01 -1.55	5.88 -0.01 -1.38	6.27 -0.02 -1.27	6.05 -0.02 -1.41	6.12 -0.02 -1.49	6.21 -0.01 -1.62	6.41 -0.01 -1.88	8.27 0.00 -2.62	11.06 0.03 -2.86	17.28 0.08 -2.18	18.38 0.05 -2.18	18.46 0.05 -1.86	14.17 0.04 -1.20	9.57 0.00 -1.49
SYRACUSE___ENERGY_ST2 323598	4.90 -0.01 -2.16	4.17 0.00 -2.07	4.16 0.00 -2.02	4.20 0.00 -1.91	4.22 0.00 -1.89	4.27 0.00 -1.78	4.17 0.00 -2.04	4.82 0.00 -1.71	5.34 0.00 -1.66	6.52 -0.01 -1.49	5.75 -0.01 -1.55	5.88 -0.01 -1.38	6.27 -0.02 -1.27	6.05 -0.02 -1.41	6.12 -0.02 -1.49	6.21 -0.01 -1.62	6.41 -0.01 -1.88	8.27 0.00 -2.62	11.06 0.03 -2.86	17.28 0.08 -2.18	18.38 0.05 -2.18	18.46 0.05 -1.86	14.17 0.04 -1.20	9.57 0.00 -1.49
SYRACUSE___POWER 24017	4.96 -0.01 -2.22	4.22 0.00 -2.13	4.21 0.00 -2.07	4.25 0.00 -1.97	4.27 0.00 -1.94	4.32 0.00 -1.83	4.22 0.00 -2.10	4.86 0.00 -1.76	5.38 -0.01 -1.71	6.56 -0.02 -1.54	5.79 -0.01 -1.59	5.91 -0.02 -1.42	6.30 -0.03 -1.30	6.09 -0.02 -1.45	6.17 -0.01 -1.53	6.25 -0.02 -1.66	6.46 -0.01 -1.93	8.34 0.00 -2.70	11.14 0.02 -2.94	17.32 0.06 -2.25	18.44 0.05 -2.24	18.49 0.03 -1.91	14.19 0.03 -1.24	9.60 -0.01 -1.54
TALLMAN__138KV_BK151 55660	19.81 0.17 -16.89	18.43 0.12 -16.21	18.02 0.12 -15.75	17.35 0.12 -14.94	17.20 0.13 -14.74	16.54 0.14 -13.91	18.18 0.12 -15.93	16.66 0.18 -13.38	16.89 0.23 -12.98	17.05 0.33 -11.68	16.59 0.27 -12.11	15.61 0.29 -10.81	15.26 0.33 -9.90	15.97 0.31 -10.99	16.62 0.32 -11.66	17.57 0.31 -12.65	19.48 0.29 -14.65	26.53 0.38 -20.51	31.29 0.54 -22.58	33.16 0.96 -17.19	34.22 1.02 -17.05	32.14 1.06 -14.54	23.13 0.80 -9.41	20.22 0.46 -11.68
TEALLAVE_115KV_TB7 355573	4.64 -0.02 -1.91	3.92 -0.01 -1.83	3.92 -0.01 -1.78	3.97 -0.01 -1.69	4.00 -0.01 -1.67	4.05 -0.01 -1.57	3.92 -0.01 -1.80	4.61 -0.01 -1.51	5.13 -0.02 -1.47	6.33 -0.03 -1.32	5.55 -0.03 -1.37	5.70 -0.03 -1.22	6.11 -0.04 -1.12	5.87 -0.03 -1.24	5.94 -0.03 -1.32	6.01 -0.03 -1.43	6.17 -0.03 -1.66	7.95 -0.02 -2.32	10.70 0.00 -2.53	16.95 0.00 -1.93	18.06 -0.02 -1.93	18.17 -0.02 -1.65	13.96 -0.03 -1.06	9.36 -0.03 -1.32
TELGRAPH_34_KV_EAST 80808	5.69 -0.01 -2.95	4.95 0.03 -2.83	4.95 0.05 -2.75	4.95 0.05 -2.61	4.96 0.05 -2.57	4.97 0.05 -2.43	4.93 0.02 -2.78	5.44 0.00 -2.34	5.95 0.00 -2.27	7.05 -0.03 -2.04	6.31 -0.01 -2.12	6.39 -0.01 -1.89	6.73 -0.03 -1.72	6.56 -0.01 -1.92	6.69 0.00 -2.03	6.81 -0.01 -2.21	7.08 -0.03 -2.57	9.22 -0.02 -3.60	12.12 0.02 -3.92	17.88 -0.14 -3.00	18.88 -0.26 -2.99	18.90 -0.20 -2.55	14.31 -0.27 -1.65	10.06 -0.06 -2.05
TEMPLE___115KV_TB 2 55572	4.67 -0.01 -1.93	3.94 -0.01 -1.86	3.94 -0.01 -1.80	3.99 0.00 -1.71	4.02 -0.01 -1.69	4.07 -0.01 -1.59	3.94 -0.01 -1.82	4.63 -0.01 -1.53	5.15 -0.01 -1.49	6.35 -0.03 -1.34	5.57 -0.02 -1.39	5.72 -0.03 -1.24	6.13 -0.04 -1.13	5.89 -0.03 -1.26	5.96 -0.02 -1.33	6.03 -0.02 -1.45	6.20 -0.02 -1.68	7.98 -0.01 -2.35	10.73 0.00 -2.56	16.99 0.02 -1.95	18.10 0.00 -1.95	18.19 -0.02 -1.67	13.99 -0.01 -1.08	9.38 -0.03 -1.34
TIANA____69_KV_BK 1 55817	29.57 0.30 -26.53	27.19 0.23 -24.87	26.81 0.22 -24.44	25.56 0.23 -23.04	25.87 0.24 -23.29	21.39 0.26 -18.63	19.00 0.22 -16.65	21.05 0.33 -17.61	21.96 0.41 -17.87	23.01 0.57 -17.40	24.27 0.44 -19.62	26.18 0.48 -21.18	26.15 0.53 -20.59	27.93 0.50 -22.77	26.12 0.47 -21.00	31.20 0.50 -26.10	35.10 0.47 -30.09	44.85 0.65 -38.55	46.74 0.94 -37.62	47.88 1.65 -31.21	45.73 1.74 -27.84	39.70 1.82 -21.33	31.17 1.33 -16.91	25.45 0.78 -16.59
TILDEN___115KV_TB1 80814	4.96 -0.01 -2.22	4.22 0.00 -2.13	4.21 0.00 -2.07	4.25 0.00 -1.97	4.27 0.00 -1.94	4.32 0.00 -1.83	4.22 0.00 -2.10	4.86 0.00 -1.76	5.38 -0.01 -1.71	6.56 -0.02 -1.54	5.79 -0.01 -1.59	5.91 -0.02 -1.42	6.30 -0.03 -1.30	6.09 -0.02 -1.45	6.17 -0.01 -1.53	6.25 -0.02 -1.66	6.46 -0.01 -1.93	8.34 0.00 -2.70	11.14 0.02 -2.94	17.32 0.06 -2.25	18.44 0.05 -2.24	18.49 0.03 -1.91	14.19 0.03 -1.24	9.60 -0.01 -1.54
TRIGEN___CC 323695	29.50 0.23 -26.53	27.14 0.17 -24.87	26.75 0.17 -24.44	25.50 0.17 -23.04	25.81 0.18 -23.29	21.32 0.20 -18.63	18.94 0.16 -16.65	20.96 0.25 -17.61	21.87 0.32 -17.87	22.88 0.44 -17.40	24.18 0.35 -19.62	26.08 0.38 -21.18	26.05 0.43 -20.59	27.84 0.40 -22.77	26.05 0.40 -21.00	31.10 0.40 -26.10	35.00 0.37 -30.09	44.69 0.50 -38.55	46.49 0.69 -37.62	47.47 1.25 -31.21	45.33 1.34 -27.84	39.26 1.39 -21.33	30.92 1.09 -16.91	25.32 0.65 -16.59
TRINITY__115KV__ 4 BK 55933	24.72 0.11 -21.86	23.16 0.09 -20.98	22.63 0.09 -20.39	21.73 0.10 -19.34	21.51 0.10 -19.08	20.60 0.11 -18.00	22.83 0.09 -20.62	20.54 0.13 -17.31	20.64 0.16 -16.79	20.36 0.22 -15.11	20.06 0.19 -15.67	18.70 0.20 -13.99	18.06 0.22 -12.81	19.09 0.21 -14.22	19.93 0.20 -15.08	21.18 0.20 -16.37	23.71 0.20 -18.96	32.43 0.25 -26.54	37.20 0.38 -28.65	37.68 0.69 -21.97	38.95 0.73 -22.07	36.11 0.74 -18.82	25.68 0.58 -12.18	23.53 0.34 -15.12

UNION___PROCESSING_DRP 323587	5.25 0.01 -2.49	4.50 0.02 -2.39	4.49 0.03 -2.32	4.52 0.03 -2.20	4.53 0.02 -2.17	4.56 0.03 -2.05	4.49 0.02 -2.35	5.10 0.03 -1.97	5.62 0.03 -1.91	6.78 0.03 -1.72	6.01 0.02 -1.78	6.13 0.03 -1.59	6.51 0.03 -1.46	6.31 0.03 -1.62	6.41 0.04 -1.72	6.51 0.04 -1.86	6.74 0.03 -2.17	8.73 0.06 -3.03	11.59 0.11 -3.30	17.67 0.14 -2.52	18.75 0.08 -2.52	18.81 0.12 -2.15	14.34 0.03 -1.39	9.85 0.05 -1.73
UPPER HUDSON___HYD 24058	25.68 0.12 -22.81	24.08 0.09 -21.89	23.51 0.10 -21.28	22.57 0.11 -20.18	22.34 0.11 -19.90	21.38 0.11 -18.78	23.74 0.09 -21.52	21.32 0.15 -18.07	21.38 0.17 -17.53	21.04 0.24 -15.77	20.77 0.21 -16.36	19.34 0.21 -14.62	18.65 0.23 -13.39	19.75 0.22 -14.87	20.65 0.23 -15.76	21.92 0.21 -17.11	24.63 0.26 -19.82	33.72 0.33 -27.74	38.65 0.53 -29.94	39.00 1.02 -22.96	40.29 1.08 -23.06	37.22 1.01 -19.66	26.40 0.75 -12.72	24.28 0.41 -15.80
UPPER RAQUET___HYD 24056	2.67 -0.08 0.00	2.03 -0.06 0.00	2.46 -0.08 -0.40	2.63 -0.08 -0.42	2.68 -0.09 -0.43	2.85 -0.09 -0.45	2.45 -0.08 -0.40	3.54 -0.11 -0.54	4.17 -0.14 -0.63	5.60 -0.18 -0.74	4.05 -0.15 0.00	4.35 -0.16 0.00	4.85 -0.18 0.00	4.47 -0.20 0.00	4.40 -0.25 0.00	4.36 -0.25 0.00	4.31 -0.24 0.00	5.33 -0.32 0.00	7.72 -0.46 0.00	14.25 -0.77 0.00	15.44 -0.71 0.00	15.97 -0.58 0.00	12.56 -0.36 0.00	7.87 -0.21 0.00
VALLEY44_115KV_TB2 355964	6.33 -0.04 -3.62	5.56 -0.01 -3.48	5.52 0.00 -3.38	5.50 0.01 -3.20	5.50 0.00 -3.16	5.48 0.00 -2.98	5.54 0.00 -3.42	5.97 0.00 -2.87	6.47 0.01 -2.78	7.52 -0.02 -2.50	6.80 -0.01 -2.60	6.82 0.00 -2.32	7.12 -0.03 -2.12	7.00 -0.01 -2.36	7.15 0.00 -2.50	7.31 -0.01 -2.71	7.67 -0.02 -3.15	10.04 -0.01 -4.41	13.02 0.05 -4.80	18.64 -0.05 -3.67	19.69 -0.13 -3.67	19.61 -0.07 -3.13	14.76 -0.19 -2.02	10.53 -0.06 -2.51
VALLEY___115KV_TB 1-4 80826	2.71 -0.04 0.00	2.07 -0.03 0.00	2.12 -0.02 0.00	2.27 -0.02 0.00	2.31 -0.02 0.00	2.46 -0.02 0.00	2.10 -0.02 0.00	3.07 -0.03 0.00	3.64 -0.04 0.00	4.99 -0.05 0.00	4.17 -0.03 0.00	4.47 -0.04 0.00	4.99 -0.04 0.00	4.62 -0.04 0.00	4.61 -0.05 0.00	4.56 -0.05 0.00	4.48 -0.06 0.00	5.58 -0.06 0.00	8.11 -0.07 0.00	14.96 -0.06 0.00	16.10 -0.05 0.00	16.53 -0.02 0.00	12.91 -0.01 0.00	8.07 -0.01 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	10.24 0.11 -7.38	9.26 0.09 -7.08	9.11 0.09 -6.88	8.90 0.09 -6.52	8.87 0.10 -6.44	8.66 0.10 -6.07	9.18 0.09 -6.96	9.08 0.14 -5.85	9.52 0.17 -5.67	10.38 0.24 -5.10	9.69 0.19 -5.29	9.41 0.18 -4.72	9.55 0.20 -4.33	9.65 0.19 -4.80	9.94 0.19 -5.09	10.32 0.18 -5.53	11.14 0.20 -6.40	14.89 0.29 -8.96	18.35 0.43 -9.75	23.34 0.87 -7.45	24.54 0.95 -7.44	23.83 0.94 -6.35	17.76 0.72 -4.11	13.59 0.41 -5.10
VISCHER___FERRY HYD 24020	25.08 0.11 -22.22	23.50 0.09 -21.32	22.95 0.09 -20.72	22.04 0.10 -19.65	21.82 0.10 -19.38	20.89 0.11 -18.29	23.17 0.09 -20.96	20.84 0.14 -17.60	20.92 0.17 -17.07	20.62 0.22 -15.36	20.32 0.19 -15.93	18.94 0.20 -14.22	18.28 0.22 -13.03	19.33 0.20 -14.47	20.20 0.20 -15.34	21.46 0.20 -16.65	24.04 0.21 -19.29	32.89 0.25 -26.99	37.60 0.38 -29.04	38.02 0.71 -22.29	39.35 0.76 -22.44	36.44 0.76 -19.13	25.90 0.59 -12.38	23.79 0.35 -15.37
V_A_10_SYNC_DSASP 323832	5.50 -0.01 -2.77	4.75 -0.01 -2.66	4.75 0.03 -2.58	4.77 0.03 -2.45	4.78 0.02 -2.42	4.79 0.02 -2.28	4.75 0.01 -2.61	5.30 0.01 -2.20	5.82 0.01 -2.13	6.94 -0.01 -1.92	6.19 0.00 -1.99	6.29 0.00 -1.77	6.64 -0.01 -1.63	6.46 0.00 -1.80	6.54 -0.03 -1.91	6.68 0.00 -2.08	6.93 -0.01 -2.40	9.00 -0.01 -3.37	11.86 0.02 -3.66	17.70 -0.12 -2.80	18.70 -0.24 -2.80	18.75 -0.18 -2.39	14.22 -0.25 -1.54	9.92 -0.07 -1.92
V_CMM_10_SYNC_DSASP 323787	2.68 -0.07 0.00	2.04 -0.06 0.00	2.08 -0.06 0.00	2.22 -0.07 0.00	2.27 -0.07 0.00	2.42 -0.07 0.00	2.06 -0.06 0.00	3.01 -0.09 0.00	3.56 -0.12 0.00	4.89 -0.15 0.00	4.08 -0.13 0.00	4.38 -0.13 0.00	4.88 -0.15 0.00	4.52 -0.14 0.00	4.51 -0.14 0.00	4.46 -0.15 0.00	4.41 -0.14 0.00	5.46 -0.19 0.00	7.89 -0.29 0.00	14.49 -0.53 0.00	15.61 -0.53 0.00	16.01 -0.53 0.00	12.52 -0.40 0.00	7.85 -0.23 0.00
V_CMP_10_SYNC_DSASP 323788	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.54 -0.14 2.54	-0.54 -0.15 2.68	-0.55 -0.15 2.73	-0.54 -0.16 2.86	-0.54 -0.14 2.53	-0.54 -0.20 3.44	-0.54 -0.24 3.98	0.04 -0.32 4.68	3.95 -0.25 0.00	4.28 -0.23 0.00	4.79 -0.24 0.00	4.45 -0.21 0.00	4.47 -0.19 0.00	4.37 -0.23 0.00	4.34 -0.20 0.00	5.42 -0.23 0.00	7.87 -0.30 0.00	14.51 -0.51 0.00	15.66 -0.48 0.00	16.08 -0.46 0.00	12.65 -0.27 0.00	7.98 -0.10 0.00
V_E_10_SYNC_DSASP 323830	8.48 0.17 -5.57	7.60 0.16 -5.34	7.46 0.12 -5.19	7.34 0.13 -4.92	7.33 0.14 -4.86	7.22 0.15 -4.58	7.51 0.13 -5.25	7.71 0.20 -4.41	8.17 0.21 -4.28	9.13 0.25 -3.85	8.39 0.19 -3.99	8.22 0.14 -3.56	8.46 0.17 -3.26	8.44 0.15 -3.62	8.64 0.15 -3.84	8.94 0.17 -4.17	9.56 0.19 -4.83	12.73 0.32 -6.76	16.11 0.57 -7.36	22.01 1.37 -5.63	23.30 1.53 -5.62	22.79 1.46 -4.79	17.14 1.11 -3.10	12.55 0.62 -3.85
V_F_30_NSYNC___DSASP 323816	25.61 0.14 -22.73	24.01 0.10 -21.81	23.45 0.11 -21.20	22.51 0.12 -20.10	22.29 0.12 -19.83	21.33 0.13 -18.71	23.67 0.11 -21.44	21.27 0.16 -18.00	21.34 0.19 -17.46	21.01 0.26 -15.71	20.72 0.22 -16.30	19.31 0.23 -14.56	18.62 0.26 -13.34	19.72 0.24 -14.81	20.60 0.25 -15.70	21.88 0.23 -17.05	24.56 0.27 -19.75	33.61 0.33 -27.63	38.50 0.51 -29.81	38.84 0.96 -22.86	40.14 1.02 -22.98	37.14 1.01 -19.59	26.36 0.76 -12.67	24.25 0.44 -15.74
V_F_30_SYNC_DSASP 323786	25.14 0.13 -22.27	23.56 0.10 -21.37	23.01 0.10 -20.77	22.09 0.11 -19.69	21.87 0.11 -19.43	20.94 0.12 -18.33	23.23 0.10 -21.01	20.89 0.15 -17.64	20.97 0.18 -17.11	20.68 0.25 -15.39	20.38 0.21 -15.96	18.99 0.23 -14.25	18.33 0.25 -13.05	19.39 0.23 -14.50	20.25 0.23 -15.37	21.52 0.23 -16.68	24.10 0.24 -19.32	32.97 0.29 -27.04	37.82 0.43 -29.22	38.21 0.80 -22.40	39.49 0.86 -22.49	36.57 0.86 -19.17	25.99 0.66 -12.40	23.86 0.39 -15.40
V_XM_10_SYNC_DSASP 323789	2.65 -0.10 0.00	1.98 -0.12 0.00	-0.54 -0.14 2.54	-0.54 -0.15 2.68	-0.55 -0.15 2.73	-0.54 -0.16 2.86	-0.54 -0.14 2.53	-0.54 -0.20 3.44	-0.54 -0.24 3.98	0.04 -0.32 4.68	3.95 -0.25 0.00	4.28 -0.23 0.00	4.79 -0.24 0.00	4.45 -0.21 0.00	4.47 -0.19 0.00	4.37 -0.23 0.00	4.34 -0.20 0.00	5.42 -0.23 0.00	7.87 -0.30 0.00	14.51 -0.51 0.00	15.66 -0.48 0.00	16.08 -0.46 0.00	12.65 -0.27 0.00	7.98 -0.10 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.92 0.18 -17.00	18.54 0.13 -16.31	18.12 0.13 -15.85	17.45 0.13 -15.03	17.30 0.13 -14.83	16.63 0.15 -13.99	18.28 0.12 -16.03	16.75 0.19 -13.46	16.98 0.24 -13.06	17.13 0.34 -11.75	16.67 0.28 -12.19	15.69 0.31 -10.88	15.33 0.34 -9.96	16.05 0.32 -11.06	16.71 0.33 -11.73	17.66 0.32 -12.73	19.59 0.30 -14.75	26.67 0.39 -20.64	31.46 0.56 -22.72	33.32 1.01 -17.29	34.37 1.07 -17.16	32.28 1.11 -14.63	23.23 0.84 -9.47	20.31 0.48 -11.75

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	20.59 0.20 -17.65	19.17 0.14 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.91 0.14 -16.65	17.29 0.21 -13.98	17.51 0.27 -13.56	17.62 0.39 -12.20	17.17 0.32 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.20 0.37 -12.18	18.19 0.37 -13.22	20.19 0.34 -15.31	27.51 0.45 -21.42	32.37 0.60 -23.59	34.04 1.07 -17.96	35.11 1.15 -17.82	32.94 1.21 -15.19	23.67 0.92 -9.83	20.82 0.54 -12.20
W50THST__13_KV_LOAD 356117	20.60 0.21 -17.65	19.18 0.15 -16.93	18.74 0.15 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.19 0.17 -14.53	18.91 0.14 -16.65	17.30 0.22 -13.98	17.52 0.28 -13.56	17.64 0.40 -12.20	17.19 0.33 -12.65	16.16 0.36 -11.29	15.78 0.41 -10.34	16.53 0.38 -11.48	17.22 0.39 -12.18	18.20 0.38 -13.22	20.20 0.35 -15.31	27.53 0.47 -21.42	32.41 0.64 -23.59	34.10 1.13 -17.96	35.16 1.19 -17.82	32.99 1.26 -15.19	23.71 0.96 -9.83	20.84 0.57 -12.20
WADING RIVER_IC_1 23522	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.97 0.52 -17.40	24.23 0.40 -19.62	26.14 0.44 -21.18	26.11 0.49 -20.59	27.90 0.46 -22.77	26.19 0.54 -21.00	31.16 0.46 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	31.00 1.16 -16.91	25.34 0.68 -16.59
WADING RIVER_IC_2 23547	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.97 0.52 -17.40	24.23 0.40 -19.62	26.14 0.44 -21.18	26.11 0.49 -20.59	27.90 0.46 -22.77	26.19 0.54 -21.00	31.16 0.46 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	31.00 1.16 -16.91	25.34 0.68 -16.59
WADING RIVER_IC_3 23601	29.55 0.27 -26.53	27.17 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.62	21.93 0.38 -17.88	22.97 0.52 -17.40	24.23 0.40 -19.62	26.14 0.44 -21.18	26.11 0.49 -20.59	27.90 0.46 -22.77	26.19 0.54 -21.00	31.16 0.46 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.66 1.43 -31.21	45.50 1.52 -27.84	39.45 1.57 -21.33	31.00 1.16 -16.91	25.34 0.68 -16.59
WALDENNY_12_KV_BK2 80841	6.01 -0.01 -3.27	5.25 0.01 -3.14	5.23 0.04 -3.05	5.22 0.04 -2.89	5.22 0.04 -2.85	5.22 0.04 -2.69	5.23 0.02 -3.09	5.71 0.02 -2.59	6.22 0.02 -2.51	7.30 0.00 -2.26	6.57 0.02 -2.35	6.63 0.02 -2.09	6.95 0.01 -1.91	6.80 0.01 -2.13	6.94 0.03 -2.25	7.07 0.01 -2.45	7.41 0.00 -2.86	9.67 0.02 -4.01	12.63 0.09 -4.36	18.32 -0.03 -3.33	19.33 -0.15 -3.33	19.32 -0.07 -2.84	14.58 -0.18 -1.84	10.35 -0.01 -2.28
WALDEN__HYDRO 24148	19.94 0.16 -17.03	18.56 0.12 -16.34	18.14 0.12 -15.89	17.47 0.12 -15.07	17.32 0.12 -14.86	16.65 0.13 -14.02	18.30 0.11 -16.07	16.76 0.17 -13.49	16.98 0.21 -13.09	17.11 0.30 -11.78	16.65 0.24 -12.21	15.67 0.26 -10.90	15.30 0.29 -9.98	16.02 0.27 -11.09	16.69 0.28 -11.75	17.64 0.28 -12.76	19.58 0.26 -14.78	26.68 0.36 -20.68	31.45 0.54 -22.73	33.31 0.98 -17.31	34.41 1.07 -17.19	32.30 1.09 -14.66	23.22 0.81 -9.48	20.30 0.45 -11.78
WARRENSBURG____ 23737	25.68 0.12 -22.81	24.08 0.09 -21.89	23.51 0.10 -21.28	22.57 0.11 -20.18	22.34 0.11 -19.90	21.38 0.11 -18.78	23.74 0.09 -21.52	21.32 0.15 -18.07	21.38 0.17 -17.53	21.04 0.24 -15.77	20.77 0.21 -16.36	19.34 0.21 -14.62	18.65 0.23 -13.39	19.75 0.22 -14.87	20.65 0.23 -15.76	21.92 0.21 -17.11	24.63 0.26 -19.82	33.72 0.33 -27.74	38.65 0.53 -29.94	39.00 1.02 -22.96	40.29 1.08 -23.06	37.22 1.01 -19.66	26.40 0.75 -12.72	24.28 0.41 -15.80
WATERSIDE____6 8 9 23538	20.59 0.20 -17.65	19.18 0.15 -16.93	18.74 0.14 -16.46	18.04 0.14 -15.61	17.88 0.15 -15.40	17.18 0.16 -14.53	18.90 0.13 -16.65	17.28 0.20 -13.98	17.50 0.27 -13.56	17.62 0.38 -12.20	17.17 0.31 -12.65	16.15 0.35 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.51 0.44 -21.42	32.37 0.60 -23.60	34.04 1.07 -17.96	35.09 1.13 -17.82	32.92 1.19 -15.19	23.64 0.89 -9.83	20.82 0.54 -12.20
WATKINRD_115KV_LN8_ILLION 55919	2.74 -0.01 0.00	2.09 -0.01 0.00	2.13 -0.01 0.00	2.28 -0.01 0.00	2.33 0.00 0.00	2.48 0.00 0.00	2.12 -0.01 0.00	3.09 -0.01 0.00	3.67 -0.01 0.00	5.03 -0.01 0.00	4.20 0.00 0.00	4.50 -0.01 0.00	5.02 -0.01 0.00	4.65 -0.01 0.00	4.64 -0.01 0.00	4.60 -0.01 0.00	4.52 -0.02 0.00	5.63 -0.02 0.00	8.17 -0.01 0.00	15.03 0.02 0.00	16.18 0.03 0.00	16.59 0.05 0.00	12.95 0.03 0.00	8.09 0.02 0.00
WATSON____69_KV_BK 1 55734	29.55 0.28 -26.53	27.18 0.21 -24.87	26.79 0.21 -24.44	25.55 0.22 -23.04	25.85 0.22 -23.29	21.37 0.24 -18.63	18.98 0.20 -16.65	21.02 0.31 -17.61	21.93 0.38 -17.87	22.97 0.53 -17.40	24.24 0.42 -19.62	26.14 0.45 -21.18	26.12 0.50 -20.59	27.91 0.47 -22.77	26.10 0.45 -21.00	31.17 0.47 -26.10	35.07 0.44 -30.09	44.81 0.62 -38.55	46.67 0.87 -37.62	47.81 1.58 -31.21	45.67 1.68 -27.84	39.61 1.74 -21.33	31.17 1.33 -16.91	25.46 0.80 -16.59
WDELAWARE__HYD 323627	18.63 0.14 -15.74	17.30 0.10 -15.11	16.92 0.09 -14.68	16.31 0.10 -13.93	16.17 0.10 -13.74	15.56 0.11 -12.96	17.07 0.09 -14.85	15.71 0.14 -12.47	15.96 0.18 -12.10	16.17 0.25 -10.88	15.68 0.18 -11.29	14.79 0.21 -10.07	14.47 0.22 -9.23	15.12 0.21 -10.25	15.74 0.23 -10.86	16.61 0.22 -11.79	18.40 0.20 -13.66	25.04 0.29 -19.11	29.59 0.45 -20.97	31.81 0.81 -15.98	32.94 0.90 -15.89	31.00 0.91 -13.55	22.36 0.67 -8.77	19.32 0.36 -10.88
WEST BABYLON__IC 23714	29.54 0.27 -26.53	27.17 0.20 -24.87	26.78 0.20 -24.44	25.54 0.21 -23.04	25.84 0.21 -23.29	21.36 0.23 -18.63	18.97 0.20 -16.65	21.01 0.29 -17.61	21.92 0.37 -17.87	22.95 0.51 -17.40	24.23 0.40 -19.62	26.13 0.44 -21.18	26.11 0.49 -20.59	27.89 0.46 -22.77	26.10 0.45 -21.00	31.16 0.46 -26.10	35.06 0.43 -30.09	44.78 0.59 -38.55	46.64 0.84 -37.62	47.75 1.52 -31.21	45.60 1.61 -27.84	39.56 1.69 -21.33	31.13 1.29 -16.91	25.45 0.78 -16.59
WEST CANADA__HYD 24049	2.75 0.01 0.00	2.10 0.00 0.00	2.14 0.00 0.00	2.29 0.00 0.00	2.34 0.00 0.00	2.49 0.00 0.00	2.13 0.00 0.00	3.11 0.01 0.00	3.69 0.01 0.00	5.05 0.02 0.00	4.22 0.01 0.00	4.52 0.01 0.00	5.04 0.01 0.00	4.68 0.01 0.00	4.66 0.01 0.00	4.62 0.01 0.00	4.56 0.01 0.00	5.66 0.02 0.00	8.21 0.03 0.00	15.09 0.08 0.00	16.23 0.08 0.00	16.63 0.08 0.00	12.98 0.05 0.00	8.10 0.02 0.00
WESTERN_NY_WIND 24143	5.76 0.01 -3.00	4.99 0.01 -2.88	5.01 0.07 -2.80	5.01 0.07 -2.65	5.01 0.06 -2.62	5.02 0.06 -2.47	4.99 0.03 -2.83	5.49 0.02 -2.38	6.00 0.01 -2.31	7.09 -0.02 -2.07	6.34 -0.01 -2.15	6.43 0.00 -1.92	6.76 -0.02 -1.75	6.60 -0.01 -1.95	6.68 -0.04 -2.07	6.84 -0.01 -2.25	7.12 -0.02 -2.60	9.28 -0.01 -3.64	12.20 0.07 -3.96	18.00 -0.04 -3.03	19.01 -0.16 -3.03	19.04 -0.08 -2.58	14.40 -0.19 -1.67	10.14 -0.01 -2.07

WESTOVER___LESR 323668	8.66 0.04 -5.87	7.76 0.04 -5.63	7.66 0.04 -5.47	7.53 0.05 -5.19	7.50 0.05 -5.12	7.37 0.05 -4.83	7.70 0.04 -5.54	7.82 0.07 -4.65	8.26 0.07 -4.51	9.18 0.09 -4.06	8.48 0.07 -4.21	8.34 0.07 -3.76	8.55 0.08 -3.44	8.56 0.07 -3.82	8.78 0.08 -4.05	9.08 0.08 -4.40	9.70 0.07 -5.08	12.87 0.11 -7.12	16.12 0.20 -7.75	21.28 0.35 -5.92	22.40 0.34 -5.92	21.94 0.35 -5.04	16.43 0.25 -3.26	12.26 0.14 -4.05
WETHRSFD_WT_PWR 323626	6.40 -0.05 -3.70	5.61 -0.04 -3.55	5.59 0.00 -3.45	5.57 0.00 -3.27	5.57 0.00 -3.23	5.54 0.00 -3.05	5.61 0.00 -3.49	6.03 0.00 -2.93	6.53 0.00 -2.84	7.57 -0.03 -2.56	6.85 -0.01 -2.65	6.87 0.00 -2.37	7.18 -0.02 -2.17	7.07 0.00 -2.41	7.18 -0.03 -2.55	7.37 -0.01 -2.77	7.74 -0.01 -3.21	10.14 0.00 -4.49	13.12 0.06 -4.89	18.71 -0.04 -3.74	19.75 -0.13 -3.74	19.67 -0.07 -3.19	14.83 -0.15 -2.06	10.61 -0.02 -2.56
WHAVSTOR_138KV_BK127 55557	19.93 0.16 -17.02	18.55 0.12 -16.33	18.13 0.12 -15.87	17.46 0.12 -15.05	17.31 0.13 -14.85	16.64 0.14 -14.01	18.29 0.12 -16.05	16.76 0.18 -13.48	16.98 0.23 -13.08	17.13 0.33 -11.76	16.67 0.26 -12.20	15.69 0.29 -10.89	15.33 0.33 -9.97	16.05 0.31 -11.08	16.71 0.31 -11.74	17.66 0.31 -12.75	19.59 0.28 -14.76	26.68 0.37 -20.66	31.45 0.52 -22.75	33.26 0.93 -17.32	34.33 1.00 -17.18	32.24 1.04 -14.65	23.19 0.79 -9.48	20.29 0.45 -11.77
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.93 0.16 -17.02	18.55 0.12 -16.33	18.13 0.12 -15.87	17.46 0.12 -15.05	17.31 0.13 -14.85	16.64 0.14 -14.01	18.29 0.12 -16.05	16.76 0.18 -13.48	16.98 0.23 -13.08	17.13 0.33 -11.76	16.67 0.26 -12.20	15.69 0.29 -10.89	15.33 0.33 -9.97	16.05 0.31 -11.08	16.71 0.31 -11.74	17.66 0.31 -12.75	19.59 0.28 -14.76	26.68 0.37 -20.66	31.45 0.52 -22.75	33.26 0.93 -17.32	34.33 1.00 -17.18	32.24 1.04 -14.65	23.19 0.79 -9.48	20.29 0.45 -11.77
WHITEHAL_115KV_TB1 80871	25.69 0.16 -22.78	24.08 0.13 -21.86	23.52 0.13 -21.24	22.58 0.14 -20.15	22.35 0.14 -19.87	21.39 0.15 -18.75	23.77 0.12 -21.52	21.37 0.20 -18.07	21.44 0.23 -17.53	21.12 0.31 -15.77	20.82 0.26 -16.35	19.38 0.28 -14.60	18.70 0.30 -13.37	19.80 0.29 -14.85	20.67 0.28 -15.74	21.96 0.27 -17.08	24.69 0.35 -19.79	33.78 0.45 -27.69	38.75 0.73 -29.85	39.30 1.40 -22.89	40.61 1.47 -23.00	37.52 1.37 -19.60	26.63 1.02 -12.68	24.37 0.55 -15.75
WHITEPLN_13_KV_LOAD 356215	20.56 0.20 -17.61	19.14 0.15 -16.90	18.71 0.14 -16.43	18.01 0.14 -15.58	17.85 0.15 -15.36	17.15 0.16 -14.50	18.87 0.13 -16.61	17.25 0.20 -13.95	17.47 0.26 -13.53	17.58 0.37 -12.17	17.15 0.32 -12.63	16.11 0.33 -11.27	15.73 0.38 -10.32	16.48 0.35 -11.46	17.17 0.36 -12.15	18.15 0.36 -13.19	20.14 0.32 -15.28	27.45 0.42 -21.38	32.32 0.60 -23.55	34.00 1.07 -17.92	35.07 1.15 -17.78	32.89 1.19 -15.16	23.64 0.90 -9.81	20.77 0.52 -12.18
WM_FLOYD_69_KV_BK2 356380	29.54 0.27 -26.53	27.17 0.21 -24.87	26.79 0.20 -24.44	25.54 0.21 -23.04	25.85 0.22 -23.29	21.36 0.24 -18.63	18.98 0.20 -16.65	21.02 0.30 -17.61	21.92 0.37 -17.87	22.95 0.51 -17.40	24.22 0.40 -19.62	26.13 0.43 -21.18	26.10 0.48 -20.59	27.89 0.45 -22.77	26.07 0.42 -21.00	31.15 0.44 -26.10	35.04 0.41 -30.09	44.77 0.58 -38.55	46.62 0.83 -37.62	47.67 1.44 -31.21	45.52 1.53 -27.84	39.48 1.60 -21.33	31.04 1.20 -16.91	25.37 0.71 -16.59
WOODARD__115KV_TB2 355635	4.66 -0.02 -1.94	3.94 -0.01 -1.86	3.94 -0.01 -1.81	3.99 -0.01 -1.71	4.01 -0.01 -1.69	4.07 -0.01 -1.59	3.94 -0.01 -1.83	4.62 -0.02 -1.53	5.14 -0.03 -1.49	6.34 -0.04 -1.34	5.56 -0.03 -1.39	5.71 -0.04 -1.24	6.12 -0.05 -1.14	5.88 -0.04 -1.26	5.96 -0.03 -1.34	6.02 -0.04 -1.45	6.19 -0.04 -1.68	7.96 -0.03 -2.35	10.71 -0.02 -2.56	16.94 -0.03 -1.96	18.04 -0.06 -1.96	18.15 -0.07 -1.67	13.95 -0.05 -1.08	9.36 -0.06 -1.34
YORK___WARBASSE 23770	20.60 0.21 -17.65	19.18 0.15 -16.93	18.75 0.15 -16.46	18.04 0.15 -15.61	17.88 0.15 -15.40	17.17 0.16 -14.53	18.90 0.13 -16.65	17.27 0.20 -13.98	17.50 0.26 -13.56	17.61 0.38 -12.20	17.16 0.31 -12.65	16.15 0.34 -11.29	15.76 0.39 -10.34	16.52 0.37 -11.48	17.21 0.38 -12.18	18.19 0.37 -13.22	20.18 0.33 -15.31	27.52 0.45 -21.42	32.39 0.62 -23.60	34.09 1.11 -17.96	35.12 1.16 -17.82	32.97 1.24 -15.19	23.64 0.89 -9.83	20.83 0.56 -12.20