

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/08/2023

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	21.29	20.41	19.60	19.80	19.91	20.96	26.03	30.34	27.91	23.97	23.36	23.65	24.30	25.30	26.35	28.80	31.32	36.42	43.40	40.51	39.87	33.14	26.26	24.28
24138	0.99	0.97	0.96	0.96	0.92	1.31	1.53	1.80	2.13	1.90	1.89	1.97	1.83	1.88	1.88	1.88	1.71	1.79	2.00	2.09	2.02	1.89	1.40	1.23
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.23	-6.05	-2.13	-0.20	-0.20	-0.22	-3.36	-3.82	-5.13	-7.49	-10.84	-13.79	-19.43	-14.65	-14.41	-8.43	-6.87	-7.09
74TH STREET_GT_1	21.24	20.36	19.55	19.76	19.87	20.88	25.94	30.23	27.79	23.88	23.27	23.54	24.20	25.23	26.25	28.70	31.24	36.34	43.30	40.41	39.78	33.07	26.19	24.21
24260	0.94	0.92	0.91	0.92	0.88	1.24	1.45	1.69	2.01	1.81	1.81	1.87	1.74	1.80	1.78	1.79	1.63	1.71	1.89	2.00	1.92	1.83	1.33	1.16
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.23	-6.05	-2.13	-0.20	-0.20	-0.22	-3.36	-3.82	-5.13	-7.49	-10.84	-13.79	-19.43	-14.65	-14.41	-8.43	-6.87	-7.09
74TH STREET_GT_2	21.24	20.36	19.55	19.76	19.87	20.88	25.94	30.23	27.79	23.88	23.27	23.54	24.20	25.23	26.25	28.70	31.24	36.34	43.30	40.41	39.78	33.07	26.19	24.21
24261	0.94	0.92	0.91	0.92	0.88	1.24	1.45	1.69	2.01	1.81	1.81	1.87	1.74	1.80	1.78	1.79	1.63	1.71	1.89	2.00	1.92	1.83	1.33	1.16
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.23	-6.05	-2.13	-0.20	-0.20	-0.22	-3.36	-3.82	-5.13	-7.49	-10.84	-13.79	-19.43	-14.65	-14.41	-8.43	-6.87	-7.09
ADK HUDSON___FALLS	23.55	22.35	21.21	21.50	21.73	21.16	26.87	32.05	27.85	22.76	22.03	22.28	23.55	24.46	25.31	28.08	31.52	37.18	45.47	43.30	42.75	34.63	27.84	25.56
24011	0.54	0.53	0.49	0.50	0.51	0.76	1.15	1.19	1.25	1.05	0.94	1.01	0.88	0.92	0.52	0.56	0.68	0.81	0.79	1.00	1.06	0.98	1.03	0.81
	-9.83	-8.66	-7.56	-7.85	-8.08	-2.75	-4.45	-8.37	-2.94	0.16	0.17	0.18	-3.58	-3.94	-5.44	-8.09	-12.08	-15.52	-22.71	-18.53	-18.25	-10.83	-8.83	-8.79
ADK RESOURCE___RCVRY	23.53	22.33	21.22	21.50	21.73	21.22	26.97	32.13	27.98	22.83	22.10	22.34	23.64	24.53	25.37	28.15	31.65	37.34	45.77	43.72	43.19	34.97	28.13	25.80
23798	0.58	0.57	0.54	0.55	0.56	0.83	1.28	1.33	1.40	1.18	1.06	1.14	0.97	1.02	0.60	0.64	0.77	0.92	0.90	1.12	1.20	1.12	1.15	0.93
	-9.77	-8.61	-7.52	-7.80	-8.03	-2.73	-4.43	-8.32	-2.92	0.22	0.23	0.25	-3.56	-3.91	-5.42	-8.08	-12.11	-15.58	-22.89	-18.84	-18.55	-11.03	-8.99	-8.92
ADK S GLENS___FALLS	23.55	22.35	21.21	21.50	21.73	21.16	26.87	32.05	27.85	22.76	22.03	22.28	23.55	24.46	25.31	28.08	31.52	37.18	45.47	43.30	42.75	34.63	27.84	25.56
24028	0.54	0.53	0.49	0.50	0.51	0.76	1.15	1.19	1.25	1.05	0.94	1.01	0.88	0.92	0.52	0.56	0.68	0.81	0.79	1.00	1.06	0.98	1.03	0.81
	-9.83	-8.66	-7.56	-7.85	-8.08	-2.75	-4.45	-8.37	-2.94	0.16	0.17	0.18	-3.58	-3.94	-5.44	-8.09	-12.08	-15.52	-22.71	-18.53	-18.25	-10.83	-8.83	-8.79
ADK_NYS___DAM	22.97	21.86	20.83	21.07	21.28	20.98	26.44	31.30	27.53	22.32	21.63	21.83	22.89	23.61	24.69	27.11	30.12	35.48	43.64	42.71	42.11	34.39	27.44	24.95
23527	0.50	0.51	0.51	0.50	0.50	0.72	0.96	0.90	1.09	0.90	0.83	0.88	0.78	0.78	0.77	0.78	0.77	0.92	0.99	1.09	1.08	1.03	0.86	0.64
	-9.30	-8.19	-7.15	-7.43	-7.64	-2.60	-4.21	-7.91	-2.78	0.45	0.46	0.50	-3.01	-3.22	-4.57	-6.90	-10.59	-13.72	-20.67	-17.85	-17.59	-10.54	-8.59	-8.35
AIR_PRODUCTS___DRP	22.61	21.48	20.44	20.70	20.93	20.48	25.80	30.67	26.84	22.04	21.40	21.64	22.82	23.67	24.84	27.40	30.50	35.89	43.81	41.71	41.11	33.47	26.65	24.45
24190	0.14	0.13	0.13	0.13	0.16	0.23	0.32	0.27	0.40	0.33	0.30	0.36	0.34	0.35	0.37	0.35	0.34	0.40	0.40	0.43	0.42	0.41	0.32	0.19
	-9.29	-8.18	-7.15	-7.42	-7.64	-2.60	-4.21	-7.91	-2.78	0.16	0.16	0.18	-3.37	-3.71	-5.13	-7.63	-11.40	-14.65	-21.44	-17.52	-17.24	-10.24	-8.35	-8.30
AKWESSNE_115KV_BK	13.06	13.05	13.08	13.08	13.11	17.44	20.95	22.23	23.29	21.57	20.99	21.11	18.85	19.29	19.06	19.14	18.50	20.64	21.81	23.49	23.20	22.55	17.77	15.84
355683	-0.16	-0.14	-0.12	-0.11	-0.07	-0.23	-0.34	-0.29	-0.38	-0.31	-0.28	-0.34	-0.27	-0.33	-0.31	-0.33	-0.32	-0.27	-0.26	-0.36	-0.33	-0.32	-0.25	-0.16
	-0.04	-0.04	-0.03	-0.03	-0.04	-0.01	-0.02	-0.04	-0.01	0.00	0.00	0.00	-0.02	-0.02	-0.03	-0.04	-0.06	-0.07	-0.10	-0.08	-0.08	-0.05	-0.04	-0.04
ALBANY___1	22.61	21.48	20.44	20.70	20.93	20.48	25.80	30.67	26.84	22.04	21.40	21.64	22.82	23.67	24.84	27.40	30.50	35.89	43.81	41.71	41.11	33.47	26.65	24.45
23571	0.14	0.13	0.13	0.13	0.16	0.23	0.32	0.27	0.40	0.33	0.30	0.36	0.34	0.35	0.37	0.35	0.34	0.40	0.40	0.43	0.42	0.41	0.32	0.19
	-9.29	-8.18	-7.15	-7.42	-7.64	-2.60	-4.21	-7.91	-2.78	0.16	0.16	0.18	-3.37	-3.71	-5.13	-7.63	-11.40	-14.65	-21.44	-17.52	-17.24	-10.24	-8.35	-8.30
ALBANY___2	22.61	21.48	20.44	20.70	20.93	20.48	25.80	30.67	26.84	22.04	21.40	21.64	22.82	23.67	24.84	27.40	30.50	35.89	43.81	41.71	41.11	33.47	26.65	24.45
23572	0.14	0.13	0.13	0.13	0.16	0.23	0.32	0.27	0.40	0.33	0.30	0.36	0.34	0.35	0.37	0.35	0.34	0.40	0.40	0.43	0.42	0.41	0.32	0.19
	-9.29	-8.18	-7.15	-7.42	-7.64	-2.60	-4.21	-7.91	-2.78	0.16	0.16	0.18	-3.37	-3.71	-5.13	-7.63	-11.40	-14.65	-21.44	-17.52	-17.24	-10.24	-8.35	-8.30
ALBANY___3	22.61	21.48	20.44	20.70	20.93	20.48	25.80	30.67	26.84	22.04	21.40	21.64	22.82	23.67	24.84	27.40	30.50	35.89	43.81	41.71	41.11	33.47	26.65	24.45
23573	0.14	0.13	0.13	0.13	0.16	0.23	0.32	0.27	0.40	0.33	0.30	0.36	0.34	0.35	0.37	0.35	0.34	0.40	0.40	0.43	0.42	0.41	0.32	0.19
	-9.29	-8.18	-7.15	-7.42	-7.64	-2.60	-4.21	-7.91	-2.78	0.16	0.16	0.18	-3.37	-3.71	-5.13	-7.63	-11.40	-14.65	-21.44	-17.52	-17.24	-10.24	-8.35	-8.30



ALBANY___4 23574	22.61 0.14 -9.29	21.48 0.13 -8.18	20.44 0.13 -7.15	20.70 0.13 -7.42	20.93 0.16 -7.64	20.48 0.23 -2.60	25.80 0.32 -4.21	30.67 0.27 -7.91	26.84 0.40 -2.78	22.04 0.33 0.16	21.40 0.30 0.16	21.64 0.36 0.18	22.82 0.34 -3.37	23.67 0.35 -3.71	24.84 0.37 -5.13	27.40 0.35 -7.63	30.50 0.34 -11.40	35.89 0.40 -14.65	43.81 0.40 -21.44	41.71 0.43 -17.52	41.11 0.42 -17.24	33.47 0.41 -10.24	26.65 0.32 -8.35	24.45 0.19 -8.30
ALBANY___LFGE 323615	22.83 0.25 -9.40	21.69 0.25 -8.28	20.63 0.24 -7.23	20.89 0.24 -7.51	21.13 0.26 -7.73	20.66 0.37 -2.63	26.04 0.51 -4.26	30.96 0.47 -8.00	27.08 0.61 -2.81	22.17 0.50 0.21	21.51 0.47 0.22	21.77 0.56 0.24	23.04 0.50 -3.44	23.89 0.51 -3.78	25.10 0.52 -5.24	27.75 0.52 -7.80	30.98 0.52 -11.69	36.46 0.58 -15.04	44.66 0.59 -22.09	42.60 0.66 -18.17	41.99 0.66 -17.89	34.07 0.62 -10.64	27.14 0.49 -8.67	24.91 0.35 -8.60
ALCOA_PA_115KV_PL-6C 55860	13.12 -0.11 -0.05	13.13 -0.08 -0.05	13.15 -0.05 -0.04	13.14 -0.05 -0.04	13.18 0.00 -0.04	17.48 -0.19 -0.02	20.97 -0.32 -0.02	22.36 -0.18 -0.05	23.36 -0.31 -0.02	21.63 -0.24 0.00	21.05 -0.21 0.00	21.17 -0.28 0.00	18.89 -0.23 -0.02	19.33 -0.29 -0.02	19.11 -0.27 -0.03	19.19 -0.29 -0.05	18.56 -0.28 -0.07	20.75 -0.19 -0.09	21.95 -0.15 -0.13	23.63 -0.24 -0.10	23.34 -0.21 -0.10	22.68 -0.21 -0.06	17.85 -0.18 -0.05	15.99 -0.02 -0.05
ALCOA_RYNLDS___DRP 24188	13.12 -0.11 -0.05	13.13 -0.08 -0.05	13.15 -0.05 -0.04	13.14 -0.05 -0.04	13.18 0.00 -0.04	17.48 -0.19 -0.02	20.97 -0.32 -0.02	22.36 -0.18 -0.05	23.36 -0.31 -0.02	21.63 -0.24 0.00	21.05 -0.21 0.00	21.17 -0.28 0.00	18.89 -0.23 -0.02	19.33 -0.29 -0.02	19.11 -0.27 -0.03	19.19 -0.29 -0.05	18.56 -0.28 -0.07	20.75 -0.19 -0.09	21.95 -0.15 -0.13	23.63 -0.24 -0.10	23.34 -0.21 -0.10	22.68 -0.21 -0.06	17.85 -0.18 -0.05	15.99 -0.02 -0.05
ALCOA___DSASP 323711	13.07 -0.11 0.00	13.08 -0.08 0.00	13.08 -0.08 0.00	13.10 -0.05 0.00	13.15 0.01 0.00	17.46 -0.19 0.00	20.95 -0.32 0.00	22.31 -0.18 0.00	23.35 -0.31 0.00	21.63 -0.24 0.00	21.05 -0.21 0.00	21.15 -0.30 0.00	18.87 -0.23 0.00	19.29 -0.31 0.00	19.07 -0.27 0.00	19.14 -0.29 0.00	18.49 -0.28 0.00	20.66 -0.19 0.00	21.82 -0.15 0.00	23.53 -0.24 0.00	23.24 -0.21 0.00	22.62 -0.21 0.00	17.81 -0.18 0.00	15.85 -0.11 0.00
ALLEGHENY___COGEN 23514	14.65 0.21 -1.26	14.40 0.13 -1.11	14.30 0.17 -0.97	14.22 0.07 -1.01	14.23 0.05 -1.04	18.31 0.30 -0.35	22.56 0.72 -0.57	24.03 0.45 -1.09	24.04 0.00 -0.38	21.74 -0.13 0.00	21.05 -0.21 0.00	21.22 -0.24 0.00	19.42 -0.17 -0.49	19.98 -0.18 -0.55	19.92 -0.17 -0.75	20.40 -0.14 -1.11	20.37 -0.04 -1.64	22.83 -0.10 -2.10	24.99 0.00 -3.02	26.42 0.26 -2.39	26.15 0.35 -2.35	24.55 0.34 -1.39	19.37 0.25 -1.13	17.55 0.45 -1.14
ALTAMONT_115KV_TB 2 55880	22.88 0.36 -9.35	21.74 0.34 -8.23	20.69 0.34 -7.19	20.96 0.34 -7.47	21.16 0.34 -7.68	20.75 0.48 -2.61	26.12 0.62 -4.24	31.06 0.61 -7.96	27.16 0.71 -2.80	22.38 0.61 0.10	21.73 0.57 0.11	21.96 0.62 0.11	23.16 0.57 -3.49	24.05 0.59 -3.86	25.24 0.58 -5.31	27.88 0.58 -7.87	31.06 0.58 -11.71	36.51 0.65 -15.02	44.50 0.66 -21.86	42.16 0.74 -17.66	41.56 0.73 -17.38	33.83 0.71 -10.30	26.94 0.56 -8.40	24.78 0.43 -8.40
ALTONA_WT_PWR 323606	12.95 -0.22 0.00	12.98 -0.18 0.00	13.06 -0.11 0.00	13.12 -0.03 0.00	13.25 0.12 0.00	17.73 0.07 0.00	21.44 0.17 0.00	23.19 0.70 0.00	24.32 0.66 0.00	22.55 0.68 0.00	21.90 0.64 0.00	21.90 0.45 0.00	19.54 0.44 0.00	19.88 0.27 0.00	19.64 0.29 0.00	19.70 0.27 0.00	18.99 0.23 0.00	21.32 0.48 0.00	22.61 0.64 0.00	24.41 0.64 0.00	24.10 0.66 0.00	23.44 0.62 0.00	18.43 0.45 0.00	16.37 0.41 0.00
AMERICAN_REF_FUEL 24010	13.58 -0.74 -1.14	13.36 -0.80 -1.00	13.27 -0.76 -0.88	13.22 -0.84 -0.91	13.22 -0.85 -0.94	16.90 -1.08 -0.32	20.68 -1.11 -0.52	21.83 -1.64 -0.99	22.11 -1.89 -0.35	20.28 -1.60 0.00	19.65 -1.62 0.00	19.82 -1.63 0.00	18.21 -1.34 -0.45	18.75 -1.35 -0.50	18.65 -1.37 -0.68	19.03 -1.40 -1.00	18.94 -1.31 -1.48	21.07 -1.67 -1.90	22.71 -2.00 -2.73	23.86 -2.07 -2.17	23.66 -1.92 -2.13	22.30 -1.78 -1.26	17.82 -1.19 -1.03	16.28 -0.72 -1.03
ARKWRIGHT___SUMMIT_WT_PWR 323751	14.16 -0.29 -1.27	13.98 -0.30 -1.12	13.89 -0.25 -0.98	13.82 -0.34 -1.02	13.81 -0.37 -1.05	17.73 -0.28 -0.36	21.78 -0.06 -0.58	23.26 -0.34 -1.10	23.52 -0.52 -0.39	21.76 -0.11 0.00	21.14 -0.13 0.00	21.26 -0.19 0.00	19.33 -0.27 -0.50	19.93 -0.23 -0.56	19.82 -0.29 -0.76	20.24 -0.31 -1.12	20.03 -0.40 -1.66	22.32 -0.65 -2.12	24.16 -0.88 -3.06	25.34 -0.85 -2.42	25.13 -0.70 -2.39	23.52 -0.71 -1.41	18.75 -0.38 -1.15	17.02 -0.10 -1.16
ARTHUR_KILL_GT_1 23520	21.36 1.05 -7.13	20.47 1.03 -6.28	19.63 0.99 -5.48	19.83 0.99 -5.69	19.94 0.95 -5.86	20.88 1.24 -1.99	25.86 1.36 -3.23	30.16 1.62 -6.05	27.63 1.85 -2.13	23.66 1.60 -0.20	23.10 1.64 -0.20	23.43 1.76 -0.22	24.13 1.66 -3.36	25.25 1.82 -3.82	26.27 1.80 -5.13	28.74 1.83 -7.49	31.13 1.52 -10.84	36.13 1.50 -13.78	43.22 1.82 -19.42	40.26 1.85 -14.64	39.63 1.78 -14.40	33.03 1.78 -8.43	26.27 1.42 -6.87	24.31 1.26 -7.09
ARTHUR_KILL_2 23512	21.32 1.01 -7.13	20.43 0.99 -6.28	19.60 0.96 -5.48	19.80 0.96 -5.69	19.91 0.92 -5.86	20.83 1.18 -1.99	25.79 1.30 -3.23	30.09 1.55 -6.05	27.56 1.78 -2.13	23.62 1.55 -0.20	23.04 1.57 -0.20	23.39 1.72 -0.22	24.09 1.62 -3.36	25.19 1.77 -3.82	26.22 1.74 -5.13	28.68 1.77 -7.49	31.08 1.46 -10.84	36.06 1.44 -13.78	43.13 1.74 -19.42	40.19 1.78 -14.64	39.56 1.71 -14.40	32.96 1.71 -8.43	26.22 1.37 -6.87	24.26 1.21 -7.09
ARTHUR_KILL_3 23513	21.15 0.84 -7.13	20.28 0.84 -6.28	19.47 0.83 -5.48	19.68 0.84 -5.69	19.77 0.77 -5.86	20.78 1.13 -1.99	25.73 1.23 -3.23	30.05 1.51 -6.05	27.61 1.82 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.05 1.63 -3.82	26.08 1.60 -5.13	28.53 1.61 -7.49	31.06 1.45 -10.84	36.13 1.50 -13.79	43.05 1.65 -19.43	40.15 1.73 -14.65	39.52 1.66 -14.41	32.84 1.60 -8.43	26.02 1.17 -6.87	24.07 1.02 -7.09
ARTHUR_KILL_COGEN 323718	21.36 1.05 -7.13	20.47 1.03 -6.28	19.63 0.99 -5.48	19.83 0.99 -5.69	19.94 0.95 -5.86	20.88 1.24 -1.99	25.86 1.36 -3.23	30.16 1.62 -6.05	27.63 1.85 -2.13	23.66 1.60 -0.20	23.10 1.64 -0.20	23.43 1.76 -0.22	24.13 1.66 -3.36	25.25 1.82 -3.82	26.27 1.80 -5.13	28.74 1.83 -7.49	31.13 1.52 -10.84	36.13 1.50 -13.78	43.22 1.82 -19.42	40.26 1.85 -14.64	39.63 1.78 -14.40	33.03 1.78 -8.43	26.27 1.42 -6.87	24.31 1.26 -7.09
ASHOKAN____ 23654	21.56 0.32 -8.07	20.47 0.20 -7.11	19.54 0.17 -6.21	19.78 0.18 -6.44	20.04 0.28 -6.63	20.49 0.58 -2.26	25.56 0.64 -3.65	29.94 0.61 -6.84	26.82 0.76 -2.40	23.12 1.25 0.00	22.92 1.66 0.00	22.97 1.52 0.00	23.79 1.41 -3.27	24.70 1.45 -3.65	25.80 1.47 -4.99	28.32 1.53 -7.36	30.78 1.16 -10.85	36.13 1.40 -13.89	42.96 0.97 -20.02	40.29 0.66 -15.86	39.76 0.70 -15.61	32.58 0.55 -9.21	25.84 0.34 -7.51	23.71 0.18 -7.58



ASTORIA_EAST_ENERGY_CC1 323581	21.19 0.88 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.67 1.02 -1.99	25.64 1.15 -3.22	29.93 1.39 -6.05	27.48 1.70 -2.12	23.59 1.53 -0.19	22.99 1.53 -0.20	23.30 1.63 -0.21	23.97 1.51 -3.36	25.00 1.59 -3.81	26.03 1.57 -5.12	28.48 1.57 -7.48	30.99 1.39 -10.84	36.02 1.40 -13.78	43.00 1.60 -19.42	40.07 1.66 -14.64	39.46 1.62 -14.40	32.75 1.51 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_EAST_ENERGY_CC2 323582	21.19 0.88 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.67 1.02 -1.99	25.64 1.15 -3.22	29.93 1.39 -6.05	27.48 1.70 -2.12	23.59 1.53 -0.19	22.99 1.53 -0.20	23.30 1.63 -0.21	23.97 1.51 -3.36	25.00 1.59 -3.81	26.03 1.57 -5.12	28.48 1.57 -7.48	30.99 1.39 -10.84	36.02 1.40 -13.78	43.00 1.60 -19.42	40.07 1.66 -14.64	39.46 1.62 -14.40	32.75 1.51 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT2_1 24094	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT2_2 24095	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT2_3 24096	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT2_4 24097	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT3_1 24098	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT3_2 24099	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT3_3 24100	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT3_4 24101	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT4_1 24102	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT4_2 24103	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT4_3 24104	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT4_4 24105	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA_GT_1 23523	21.21 0.91 -7.13	20.32 0.88 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.71 1.06 -1.99	25.68 1.19 -3.22	30.00 1.46 -6.05	27.55 1.78 -2.12	23.64 1.58 -0.19	23.06 1.60 -0.20	23.34 1.67 -0.21	24.02 1.57 -3.36	25.04 1.63 -3.81	26.09 1.63 -5.12	28.52 1.61 -7.48	31.03 1.43 -10.84	36.08 1.46 -13.78	43.07 1.67 -19.42	40.14 1.73 -14.64	39.51 1.66 -14.40	32.79 1.55 -8.42	25.98 1.13 -6.86	24.05 1.01 -7.08



ASTORIA_GT_10 24110	21.20 0.90 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.76 1.11 -1.99	25.77 1.28 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.15 1.52 -13.79	43.16 1.76 -19.43	40.22 1.81 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
ASTORIA_GT_11 24225	21.20 0.90 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.76 1.11 -1.99	25.77 1.28 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.15 1.52 -13.79	43.16 1.76 -19.43	40.22 1.81 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
ASTORIA_GT_12 24226	21.20 0.90 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.76 1.11 -1.99	25.77 1.28 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.15 1.52 -13.79	43.16 1.76 -19.43	40.22 1.81 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
ASTORIA_GT_13 24227	21.20 0.90 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.76 1.11 -1.99	25.77 1.28 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.15 1.52 -13.79	43.16 1.76 -19.43	40.22 1.81 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
ASTORIA_GT_5 24106	21.21 0.91 -7.13	20.32 0.88 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.71 1.06 -1.99	25.68 1.19 -3.22	30.00 1.46 -6.05	27.55 1.78 -2.12	23.64 1.58 -0.19	23.06 1.60 -0.20	23.34 1.67 -0.21	24.02 1.57 -3.36	25.04 1.63 -3.81	26.09 1.63 -5.12	28.52 1.61 -7.48	31.03 1.43 -10.84	36.08 1.46 -13.78	43.07 1.67 -19.42	40.14 1.73 -14.64	39.51 1.66 -14.40	32.79 1.55 -8.42	25.98 1.13 -6.86	24.05 1.01 -7.08
ASTORIA_GT_7 24107	21.21 0.91 -7.13	20.32 0.88 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.71 1.06 -1.99	25.68 1.19 -3.22	30.00 1.46 -6.05	27.55 1.78 -2.12	23.64 1.58 -0.19	23.06 1.60 -0.20	23.34 1.67 -0.21	24.02 1.57 -3.36	25.04 1.63 -3.81	26.09 1.63 -5.12	28.52 1.61 -7.48	31.03 1.43 -10.84	36.08 1.46 -13.78	43.07 1.67 -19.42	40.14 1.73 -14.64	39.51 1.66 -14.40	32.79 1.55 -8.42	25.98 1.13 -6.86	24.05 1.01 -7.08
ASTORIA_GT_8 24108	21.21 0.91 -7.13	20.32 0.88 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.71 1.06 -1.99	25.68 1.19 -3.22	30.00 1.46 -6.05	27.55 1.78 -2.12	23.64 1.58 -0.19	23.06 1.60 -0.20	23.34 1.67 -0.21	24.02 1.57 -3.36	25.04 1.63 -3.81	26.09 1.63 -5.12	28.52 1.61 -7.48	31.03 1.43 -10.84	36.08 1.46 -13.78	43.07 1.67 -19.42	40.14 1.73 -14.64	39.51 1.66 -14.40	32.79 1.55 -8.42	25.98 1.13 -6.86	24.05 1.01 -7.08
ASTORIA___2 24149	21.20 0.90 -7.13	20.30 0.86 -6.28	19.47 0.83 -5.48	19.67 0.83 -5.69	19.78 0.79 -5.86	20.69 1.04 -1.99	25.64 1.15 -3.22	29.95 1.42 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.30 1.63 -0.21	23.99 1.53 -3.36	25.00 1.59 -3.81	26.05 1.59 -5.12	28.48 1.57 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.02 1.63 -19.42	40.10 1.69 -14.64	39.46 1.62 -14.40	32.77 1.53 -8.42	25.94 1.10 -6.86	24.01 0.97 -7.08
ASTORIA___3 23516	21.20 0.90 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.76 1.11 -1.99	25.77 1.28 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.15 1.52 -13.79	43.16 1.76 -19.43	40.22 1.81 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
ASTORIA___4 23517	21.17 0.90 -7.10	20.28 0.87 -6.25	19.48 0.86 -5.46	19.67 0.85 -5.67	19.80 0.83 -5.84	20.75 1.11 -1.99	25.76 1.28 -3.22	30.04 1.51 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.11 1.64 -0.21	23.41 1.74 -0.22	23.82 1.60 -3.11	24.82 1.69 -3.53	25.76 1.66 -4.75	28.03 1.67 -6.93	30.29 1.48 -10.04	35.14 1.52 -12.78	41.74 1.76 -18.01	39.17 1.81 -13.60	38.58 1.76 -13.37	32.31 1.67 -7.82	25.57 1.20 -6.38	23.51 0.97 -6.58
ASTORIA___5 23518	21.20 0.90 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.76 1.11 -1.99	25.77 1.28 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.15 1.52 -13.79	43.16 1.76 -19.43	40.22 1.81 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
AST_ENERGY_2_CC3 323677	21.17 0.87 -7.13	20.29 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.79 1.30 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.07 1.65 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.09 1.48 -10.84	36.18 1.54 -13.79	43.12 1.72 -19.43	40.20 1.78 -14.65	39.59 1.74 -14.41	32.89 1.64 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
AST_ENERGY_2_CC4 323678	21.17 0.87 -7.13	20.29 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.79 1.30 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.07 1.65 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.09 1.48 -10.84	36.18 1.54 -13.79	43.12 1.72 -19.43	40.20 1.78 -14.65	39.59 1.74 -14.41	32.89 1.64 -8.43	26.06 1.21 -6.87	24.12 1.07 -7.09
ATHENS_STG_1 23668	21.95 0.46 -8.31	20.93 0.45 -7.32	20.00 0.45 -6.39	20.23 0.45 -6.64	20.40 0.43 -6.83	20.56 0.58 -2.32	25.71 0.68 -3.77	30.30 0.74 -7.07	27.02 0.88 -2.49	22.68 0.77 -0.04	22.07 0.76 -0.04	22.31 0.81 -0.05	23.31 0.74 -3.46	24.25 0.76 -3.88	25.37 0.75 -5.28	27.97 0.78 -7.76	30.90 0.73 -11.40	36.18 0.77 -14.57	43.65 0.79 -20.88	40.98 0.85 -16.36	40.38 0.84 -16.10	33.12 0.82 -9.48	26.34 0.63 -7.73	24.31 0.51 -7.84
ATHENS_STG_2 23670	21.95 0.46 -8.31	20.93 0.45 -7.32	20.00 0.45 -6.39	20.23 0.45 -6.64	20.40 0.43 -6.83	20.56 0.58 -2.32	25.71 0.68 -3.77	30.30 0.74 -7.07	27.02 0.88 -2.49	22.68 0.77 -0.04	22.07 0.76 -0.04	22.31 0.81 -0.05	23.31 0.74 -3.46	24.25 0.76 -3.88	25.37 0.75 -5.28	27.97 0.78 -7.76	30.90 0.73 -11.40	36.18 0.77 -14.57	43.65 0.79 -20.88	40.98 0.85 -16.36	40.38 0.84 -16.10	33.12 0.82 -9.48	26.34 0.63 -7.73	24.31 0.51 -7.84



ATHENS_STG_3 23677	21.95 0.46 -8.31	20.93 0.45 -7.32	20.00 0.45 -6.39	20.23 0.45 -6.64	20.40 0.43 -6.83	20.56 0.58 -2.32	25.71 0.68 -3.77	30.30 0.74 -7.07	27.02 0.88 -2.49	22.68 0.77 -0.04	22.07 0.76 -0.04	22.31 0.81 -0.05	23.31 0.74 -3.46	24.25 0.76 -3.88	25.37 0.75 -5.28	27.97 0.78 -7.76	30.90 0.73 -11.40	36.18 0.77 -14.57	43.65 0.79 -20.88	40.98 0.85 -16.36	40.38 0.84 -16.10	33.12 0.82 -9.48	26.34 0.63 -7.73	24.31 0.51 -7.84
AUBURN____LFGE 323710	14.10 -0.05 -0.98	13.94 -0.08 -0.86	13.82 -0.09 -0.75	13.83 -0.11 -0.78	13.82 -0.12 -0.80	17.88 -0.05 -0.27	21.99 0.28 -0.44	23.55 0.22 -0.83	24.04 0.09 -0.29	22.08 0.20 -0.01	21.42 0.15 -0.01	21.63 0.17 -0.01	19.63 0.13 -0.40	20.22 0.18 -0.44	20.10 0.15 -0.60	20.47 0.16 -0.89	20.24 0.17 -1.30	22.63 0.13 -1.66	24.46 0.11 -2.38	25.84 0.21 -1.86	25.49 0.21 -1.83	24.11 0.21 -1.08	18.97 0.11 -0.88	16.98 0.13 -0.89
BABYLON_RES_REC 323704	21.45 1.15 -7.13	21.82 1.14 -7.51	19.97 1.13 -5.68	19.97 1.13 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.33 1.83 -3.23	30.61 2.07 -6.06	28.13 2.34 -2.13	24.19 2.12 -0.20	23.47 2.00 -0.20	23.73 2.06 -0.22	24.39 1.93 -3.37	25.37 1.94 -3.82	34.16 1.99 -12.82	30.67 1.98 -9.26	31.85 1.82 -11.26	38.43 1.92 -15.67	45.61 2.00 -21.63	43.09 2.26 -17.06	45.04 2.20 -19.39	35.83 2.10 -10.91	29.23 1.71 -9.54	24.45 1.40 -7.09
BABYLON__69_KV_BK2 356345	21.54 1.26 -7.10	21.91 1.26 -7.49	20.07 1.25 -5.66	20.07 1.25 -5.67	21.13 1.23 -6.76	21.54 1.69 -2.19	26.48 2.00 -3.22	30.78 2.25 -6.05	28.31 2.53 -2.13	24.39 2.32 -0.20	23.66 2.19 -0.21	23.86 2.19 -0.22	24.24 2.02 -3.12	25.24 2.10 -3.54	33.93 2.15 -12.44	30.29 2.16 -8.70	31.22 1.99 -10.46	37.60 2.11 -14.65	44.36 2.18 -20.21	42.25 2.47 -16.01	44.22 2.41 -18.36	35.46 2.33 -10.31	28.90 1.87 -9.05	24.01 1.47 -6.58
BARON_WINDS____WT_PWR 323822	14.64 -0.11 -1.57	14.40 -0.14 -1.38	14.25 -0.12 -1.21	14.22 -0.18 -1.26	14.23 -0.20 -1.29	17.97 -0.12 -0.44	22.02 0.04 -0.71	23.67 -0.18 -1.36	23.83 -0.31 -0.48	21.78 -0.09 0.00	21.14 -0.13 0.00	21.30 -0.15 0.00	19.51 -0.21 -0.62	20.11 -0.18 -0.69	20.09 -0.19 -0.94	20.62 -0.19 -1.39	20.64 -0.17 -2.05	23.17 -0.29 -2.62	25.31 -0.44 -3.77	26.40 -0.36 -2.99	26.08 -0.31 -2.94	24.29 -0.27 -1.74	19.24 -0.16 -1.42	17.40 0.02 -1.43
BARRETT_IC_1 23704	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_10 23701	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_11 23702	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_12 23703	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_2 23705	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_3 23706	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_4 23707	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_5 23708	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_6 23709	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_7 23710	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09



BARRETT_IC_8 23711	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT_IC_9 23700	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT___1 23545	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BARRETT___2 23546	21.39 1.08 -7.13	21.75 1.08 -7.51	19.91 1.07 -5.68	19.89 1.05 -5.69	20.95 1.03 -6.78	21.30 1.45 -2.20	26.11 1.62 -3.23	30.37 1.82 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.23 1.76 -0.20	23.48 1.80 -0.22	24.17 1.70 -3.37	25.09 1.67 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.34 1.74 -21.63	42.75 1.92 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.91 1.38 -9.54	24.21 1.16 -7.09
BATAVIA___115KV_TB1 55881	13.99 -0.24 -1.05	13.77 -0.32 -0.92	13.64 -0.33 -0.81	13.62 -0.37 -0.84	13.62 -0.38 -0.86	17.60 -0.35 -0.29	21.57 -0.17 -0.48	22.80 -0.58 -0.89	23.36 -0.62 -0.31	21.35 -0.52 -0.01	20.23 -1.04 -0.01	20.34 -1.12 -0.01	18.67 -0.86 -0.42	19.22 -0.86 -0.48	19.04 -0.95 -0.65	19.43 -0.95 -0.95	19.28 -0.88 -1.39	21.52 -1.10 -1.78	23.25 -1.27 -2.55	24.55 -1.21 -1.99	24.28 -1.13 -1.96	22.93 -1.05 -1.16	18.17 -0.76 -0.94	16.56 -0.35 -0.96
BAYONEEC___CTG1 323682	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG10 323750	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG2 323683	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG3 323684	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG4 323685	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG5 323686	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG6 323687	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG7 323688	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG8 323689	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BAYONEEC___CTG9 323749	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.61 1.76 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09



BEACON___LESR 323632	22.79 0.33 -9.29	21.66 0.32 -8.18	20.61 0.30 -7.15	20.87 0.30 -7.42	21.08 0.31 -7.63	20.73 0.48 -2.60	26.11 0.64 -4.21	31.00 0.61 -7.90	27.19 0.76 -2.78	22.30 0.63 0.20	21.62 0.57 0.21	21.89 0.67 0.23	23.12 0.61 -3.41	23.99 0.65 -3.74	25.19 0.66 -5.19	27.81 0.66 -7.72	31.01 0.67 -11.57	36.50 0.77 -14.88	44.57 0.75 -21.85	42.56 0.83 -17.97	41.96 0.82 -17.69	34.13 0.80 -10.51	27.17 0.61 -8.57	24.91 0.45 -8.50
BEAVER RIVER___HYD 24048	13.11 -0.38 -0.32	13.06 -0.38 -0.28	13.04 -0.37 -0.24	13.02 -0.38 -0.25	13.04 -0.35 -0.26	17.28 -0.46 -0.09	20.88 -0.53 -0.14	22.29 -0.47 -0.27	23.07 -0.69 -0.10	21.15 -0.72 0.00	20.54 -0.72 0.00	20.68 -0.77 0.00	18.54 -0.69 -0.12	19.04 -0.70 -0.14	18.82 -0.72 -0.19	18.99 -0.72 -0.28	18.54 -0.64 -0.41	20.83 -0.54 -0.53	22.34 -0.39 -0.76	24.06 -0.31 -0.60	23.71 -0.33 -0.59	22.80 -0.37 -0.35	17.87 -0.40 -0.28	15.86 -0.38 -0.29
BEEBEE_GT_13 23619	13.83 -0.28 -0.94	13.64 -0.34 -0.82	13.53 -0.36 -0.72	13.51 -0.38 -0.75	13.51 -0.39 -0.77	17.49 -0.42 -0.26	21.39 -0.30 -0.42	22.70 -0.58 -0.80	23.20 -0.73 -0.28	21.20 -0.68 -0.01	20.55 -0.72 -0.01	20.73 -0.73 -0.01	19.00 -0.48 -0.38	19.56 -0.47 -0.42	19.40 -0.52 -0.58	19.73 -0.54 -0.85	19.52 -0.49 -1.24	21.76 -0.67 -1.59	23.44 -0.81 -2.28	24.76 -0.78 -1.78	24.47 -0.73 -1.75	23.17 -0.68 -1.03	18.32 -0.50 -0.84	16.59 -0.22 -0.85
BENSHRST_27_KV_BENSHRST_1 355998	21.28 1.00 -7.10	20.39 0.97 -6.25	19.57 0.95 -5.46	19.77 0.95 -5.67	19.90 0.93 -5.84	20.88 1.24 -1.99	25.91 1.42 -3.22	30.24 1.71 -6.05	27.82 2.03 -2.13	23.86 1.79 -0.20	23.28 1.81 -0.21	23.58 1.91 -0.22	23.99 1.78 -3.11	25.04 1.90 -3.53	25.97 1.88 -4.75	28.27 1.90 -6.93	30.48 1.67 -10.04	35.33 1.71 -12.78	41.98 2.00 -18.01	39.43 2.07 -13.60	38.81 1.99 -13.37	32.56 1.92 -7.82	25.77 1.40 -6.38	23.68 1.15 -6.58
BETHLEHEM___GRP 23843	22.61 0.14 -9.29	21.48 0.13 -8.18	20.44 0.13 -7.15	20.70 0.13 -7.42	20.93 0.16 -7.64	20.48 0.23 -2.60	25.80 0.32 -4.21	30.67 0.27 -7.91	26.84 0.40 -2.78	22.04 0.33 0.16	21.40 0.30 0.16	21.64 0.36 0.18	22.82 0.34 -3.37	23.67 0.35 -3.71	24.84 0.37 -5.13	27.40 0.35 -7.63	30.50 0.34 -11.40	35.89 0.40 -14.65	43.81 0.40 -21.44	41.71 0.43 -17.52	41.11 0.42 -17.24	33.47 0.41 -10.24	26.65 0.32 -8.35	24.45 0.19 -8.30
BETHLEHEM___GS1 323560	22.62 0.15 -9.30	21.49 0.13 -8.19	20.45 0.13 -7.15	20.71 0.13 -7.43	20.94 0.16 -7.64	20.49 0.23 -2.60	25.80 0.32 -4.21	30.67 0.27 -7.91	26.84 0.40 -2.78	22.01 0.33 0.19	21.36 0.30 0.20	21.60 0.36 0.22	22.87 0.34 -3.43	23.72 0.35 -3.77	24.93 0.37 -5.22	27.54 0.35 -7.76	30.73 0.34 -11.62	36.19 0.40 -14.95	44.30 0.40 -21.93	42.19 0.43 -17.99	41.58 0.42 -17.71	33.76 0.41 -10.52	26.89 0.32 -8.58	24.69 0.21 -8.52
BETHLEHEM___GS2 323561	22.62 0.15 -9.30	21.49 0.13 -8.19	20.45 0.13 -7.15	20.71 0.13 -7.43	20.94 0.16 -7.64	20.49 0.23 -2.60	25.80 0.32 -4.21	30.67 0.27 -7.91	26.84 0.40 -2.78	22.01 0.33 0.19	21.36 0.30 0.20	21.60 0.36 0.22	22.87 0.34 -3.43	23.72 0.35 -3.77	24.93 0.37 -5.22	27.54 0.35 -7.76	30.73 0.34 -11.62	36.19 0.40 -14.95	44.30 0.40 -21.93	42.19 0.43 -17.99	41.58 0.42 -17.71	33.76 0.41 -10.52	26.89 0.32 -8.58	24.69 0.21 -8.52
BETHLEHEM___GS3 323562	22.62 0.15 -9.30	21.49 0.13 -8.19	20.45 0.13 -7.15	20.71 0.13 -7.43	20.94 0.16 -7.64	20.49 0.23 -2.60	25.80 0.32 -4.21	30.67 0.27 -7.91	26.84 0.40 -2.78	22.01 0.33 0.19	21.36 0.30 0.20	21.60 0.36 0.22	22.87 0.34 -3.43	23.72 0.35 -3.77	24.93 0.37 -5.22	27.54 0.35 -7.76	30.73 0.34 -11.62	36.19 0.40 -14.95	44.30 0.40 -21.93	42.19 0.43 -17.99	41.58 0.42 -17.71	33.76 0.41 -10.52	26.89 0.32 -8.58	24.69 0.21 -8.52
BETHLEHEM___STEEL 23779	13.89 -0.49 -1.20	13.68 -0.54 -1.06	13.52 -0.57 -0.92	13.53 -0.58 -0.96	13.52 -0.60 -0.99	17.30 -0.69 -0.34	21.19 -0.62 -0.54	22.48 -1.03 -1.02	22.76 -1.25 -0.36	21.07 -0.81 -0.01	20.44 -0.83 -0.01	20.58 -0.88 -0.01	18.77 -0.82 -0.49	19.35 -0.80 -0.55	19.25 -0.83 -0.74	19.68 -0.84 -1.09	19.54 -0.83 -1.60	21.76 -1.13 -2.04	23.52 -1.38 -2.93	24.63 -1.43 -2.29	24.43 -1.27 -2.25	22.96 -1.19 -1.32	18.35 -0.72 -1.08	16.67 -0.38 -1.10
BETHLHEM_115KV_TB1 79974	22.65 0.18 -9.29	21.53 0.18 -8.18	20.48 0.17 -7.15	20.74 0.17 -7.42	20.97 0.20 -7.64	20.54 0.28 -2.60	25.86 0.38 -4.21	30.74 0.34 -7.91	26.91 0.47 -2.78	22.10 0.37 0.15	21.47 0.36 0.15	21.71 0.43 0.17	22.89 0.40 -3.39	23.72 0.39 -3.73	24.90 0.41 -5.15	27.49 0.41 -7.66	30.59 0.39 -11.43	35.97 0.44 -14.69	43.90 0.44 -21.48	41.79 0.50 -17.52	41.19 0.49 -17.25	33.51 0.46 -10.24	26.69 0.36 -8.34	24.51 0.24 -8.31
BETHPAGE_CC_5 323564	21.44 1.13 -7.13	21.79 1.12 -7.51	19.96 1.12 -5.68	19.95 1.10 -5.69	21.00 1.08 -6.78	21.37 1.52 -2.20	26.24 1.74 -3.23	30.52 1.98 -6.06	28.06 2.27 -2.13	24.12 2.06 -0.20	23.45 1.98 -0.20	23.69 2.02 -0.22	24.36 1.89 -3.37	25.35 1.92 -3.82	34.12 1.95 -12.82	30.65 1.96 -9.26	31.74 1.71 -11.26	38.30 1.79 -15.67	45.45 1.85 -21.63	42.90 2.07 -17.06	44.88 2.04 -19.39	35.67 1.94 -10.91	29.16 1.64 -9.54	24.40 1.36 -7.09
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	13.89 -0.51 -1.23	13.67 -0.58 -1.08	13.50 -0.61 -0.95	13.51 -0.62 -0.98	13.52 -0.63 -1.01	17.28 -0.72 -0.34	21.17 -0.66 -0.56	22.50 -1.03 -1.05	22.77 -1.25 -0.37	21.16 -0.72 -0.01	20.55 -0.72 -0.01	20.69 -0.77 -0.01	18.76 -0.84 -0.50	19.34 -0.82 -0.56	19.25 -0.85 -0.76	19.67 -0.87 -1.12	19.54 -0.86 -1.64	21.79 -1.15 -2.09	23.56 -1.41 -3.00	24.68 -1.43 -2.34	24.48 -1.27 -2.30	22.94 -1.23 -1.36	18.32 -0.77 -1.11	16.65 -0.43 -1.12
BINGHAMTON___COGEN 23790	15.49 0.05 -2.27	15.18 0.03 -2.00	14.90 0.00 -1.74	14.96 0.00 -1.81	14.98 -0.01 -1.86	18.36 0.07 -0.63	22.48 0.19 -1.03	24.53 0.11 -1.93	24.41 0.07 -0.68	22.05 0.15 -0.02	21.41 0.13 -0.02	21.58 0.11 -0.02	20.06 0.04 -0.92	20.70 0.06 -1.03	20.81 0.06 -1.40	21.55 0.06 -2.06	21.89 0.09 -3.03	24.75 0.04 -3.86	27.50 0.00 -5.53	28.17 0.10 -4.31	27.78 0.09 -4.24	25.43 0.11 -2.50	20.09 0.07 -2.03	18.12 0.10 -2.07
BIXINCNT_115KV_LOAD 355685	14.02 -0.46 -1.31	13.79 -0.53 -1.15	13.61 -0.55 -1.01	13.64 -0.55 -1.04	13.65 -0.56 -1.07	17.42 -0.60 -0.37	21.35 -0.51 -0.59	22.88 -0.72 -1.11	23.10 -0.95 -0.39	21.60 -0.28 -0.01	20.95 -0.32 -0.01	21.10 -0.36 -0.01	18.98 -0.65 -0.53	19.57 -0.63 -0.59	19.47 -0.68 -0.81	19.92 -0.70 -1.19	19.80 -0.71 -1.74	22.11 -0.96 -2.22	23.93 -1.23 -3.18	25.04 -1.21 -2.49	24.86 -1.03 -2.45	23.21 -1.05 -1.44	18.51 -0.65 -1.17	16.78 -0.37 -1.19
BLACK RIVER___HYD 24047	13.24 -0.37 -0.44	13.16 -0.38 -0.38	13.14 -0.35 -0.34	13.12 -0.38 -0.35	13.13 -0.37 -0.36	17.37 -0.41 -0.12	21.02 -0.45 -0.20	22.44 -0.43 -0.38	23.10 -0.69 -0.13	21.11 -0.77 0.00	20.50 -0.76 0.00	20.66 -0.79 0.00	18.55 -0.73 -0.17	19.05 -0.74 -0.19	18.83 -0.77 -0.26	19.05 -0.76 -0.38	18.68 -0.66 -0.57	21.00 -0.56 -0.72	22.64 -0.37 -1.04	24.38 -0.21 -0.83	24.03 -0.23 -0.81	23.00 -0.30 -0.48	18.02 -0.36 -0.39	16.00 -0.35 -0.39



BLACKRVR_115KV_TB2 79977	13.21 -0.37 -0.41	13.14 -0.38 -0.36	13.11 -0.37 -0.31	13.09 -0.38 -0.33	13.10 -0.37 -0.34	17.36 -0.41 -0.11	20.98 -0.47 -0.19	22.41 -0.43 -0.35	23.09 -0.69 -0.12	21.11 -0.77 0.00	20.50 -0.77 0.00	20.66 -0.79 0.00	18.54 -0.73 -0.16	19.04 -0.74 -0.18	18.82 -0.77 -0.25	19.04 -0.76 -0.37	18.65 -0.66 -0.54	20.97 -0.56 -0.69	22.59 -0.37 -0.99	24.33 -0.21 -0.78	23.98 -0.23 -0.76	22.97 -0.30 -0.45	17.99 -0.36 -0.37	16.00 -0.34 -0.37
BLISS_WT_PWR 323608	14.03 -0.46 -1.31	13.79 -0.53 -1.16	13.70 -0.47 -1.01	13.63 -0.57 -1.05	13.65 -0.56 -1.08	17.42 -0.60 -0.37	21.39 -0.47 -0.59	22.98 -0.67 -1.16	23.17 -0.90 -0.41	21.63 -0.24 0.00	20.99 -0.28 0.00	21.13 -0.32 0.00	19.01 -0.61 -0.53	19.58 -0.61 -0.59	19.51 -0.64 -0.80	19.93 -0.68 -1.18	19.82 -0.69 -1.74	22.14 -0.94 -2.23	23.98 -1.21 -3.22	25.13 -1.19 -2.55	24.97 -0.98 -2.51	23.30 -1.00 -1.48	18.56 -0.63 -1.21	16.84 -0.34 -1.22
BLUE_CIRC_CHEM_DRP 24182	22.62 0.32 -9.12	21.51 0.32 -8.04	20.49 0.32 -7.02	20.75 0.32 -7.29	20.95 0.32 -7.50	20.65 0.44 -2.55	26.00 0.60 -4.13	30.82 0.56 -7.77	27.07 0.69 -2.73	22.34 0.57 0.10	21.69 0.53 0.11	21.92 0.58 0.12	23.03 0.53 -3.40	23.91 0.55 -3.76	25.06 0.54 -5.17	27.64 0.54 -7.67	30.72 0.54 -11.41	36.09 0.60 -14.64	43.91 0.62 -21.32	41.69 0.69 -17.23	41.09 0.68 -16.96	33.56 0.68 -10.05	26.72 0.54 -8.19	24.56 0.41 -8.19
BOC_GAS_DRP 24189	22.77 0.30 -9.29	21.65 0.30 -8.18	20.59 0.29 -7.14	20.86 0.29 -7.42	21.07 0.30 -7.63	20.66 0.41 -2.60	26.01 0.53 -4.21	30.91 0.52 -7.91	27.07 0.64 -2.78	22.32 0.55 0.10	21.69 0.53 0.10	21.92 0.58 0.11	23.10 0.53 -3.46	23.98 0.55 -3.83	25.16 0.54 -5.28	27.79 0.54 -7.82	30.92 0.53 -11.63	36.33 0.56 -14.92	44.26 0.57 -21.72	41.95 0.64 -17.54	41.35 0.63 -17.27	33.67 0.62 -10.23	26.81 0.49 -8.34	24.67 0.37 -8.34
BOONVILLE_115KV_TB1 79983	13.40 0.00 -0.23	13.35 -0.01 -0.20	13.34 0.00 -0.18	13.32 -0.01 -0.18	13.31 -0.01 -0.19	17.77 0.05 -0.06	21.39 0.02 -0.10	22.75 0.07 -0.19	23.70 -0.02 -0.07	21.79 -0.09 0.00	21.16 -0.11 0.00	21.32 -0.13 0.00	19.08 -0.11 -0.09	19.61 -0.10 -0.10	19.37 -0.12 -0.14	19.52 -0.12 -0.21	19.01 -0.06 -0.30	21.25 0.02 -0.39	22.66 0.13 -0.56	24.44 0.24 -0.44	24.09 0.21 -0.43	23.23 0.16 -0.25	18.23 0.04 -0.21	16.18 0.02 -0.21
BORALEX_4TH_BRANCH 23824	22.97 0.50 -9.30	21.86 0.51 -8.19	20.83 0.51 -7.15	21.07 0.50 -7.43	21.28 0.50 -7.64	20.98 0.72 -2.60	26.44 0.96 -4.21	31.30 1.09 -7.91	27.53 1.09 -2.78	22.32 0.90 0.45	21.63 0.83 0.46	21.83 0.88 0.50	22.89 0.78 -3.01	23.61 0.78 -3.22	24.69 0.77 -4.57	27.11 0.78 -6.90	30.12 0.77 -10.59	35.48 0.92 -13.72	43.64 0.99 -20.67	42.71 1.09 -17.85	42.11 1.08 -17.59	34.39 1.03 -10.54	27.44 0.86 -8.59	24.95 0.64 -8.35
BOWLINE___1 23526	20.76 0.75 -6.84	19.92 0.74 -6.02	19.14 0.72 -5.26	19.34 0.74 -5.46	19.46 0.71 -5.62	20.57 1.01 -1.91	25.53 1.17 -3.10	29.64 1.35 -5.80	27.28 1.59 -2.04	23.48 1.42 -0.18	22.88 1.42 -0.19	23.14 1.48 -0.21	23.74 1.39 -3.25	24.74 1.45 -3.69	25.75 1.45 -4.95	28.12 1.46 -7.23	30.60 1.35 -10.48	35.60 1.44 -13.32	42.27 1.52 -18.78	39.58 1.64 -14.17	38.98 1.60 -13.94	32.46 1.48 -8.15	25.75 1.12 -6.65	23.76 0.94 -6.86
BOWLINE___2 23595	20.76 0.75 -6.84	19.92 0.74 -6.02	19.14 0.72 -5.26	19.35 0.74 -5.46	19.46 0.71 -5.62	20.57 1.01 -1.91	25.55 1.19 -3.10	29.64 1.35 -5.80	27.28 1.59 -2.04	23.48 1.42 -0.18	22.88 1.42 -0.19	23.14 1.48 -0.21	23.74 1.39 -3.25	24.74 1.45 -3.69	25.75 1.45 -4.95	28.12 1.46 -7.23	30.60 1.35 -10.48	35.61 1.44 -13.33	42.27 1.52 -18.78	39.58 1.64 -14.18	38.98 1.60 -13.94	32.46 1.48 -8.16	25.75 1.12 -6.65	23.76 0.94 -6.86
BRADY___115KV_TB2 356060	13.13 -0.12 -0.07	13.12 -0.11 -0.06	13.15 -0.07 -0.06	13.14 -0.07 -0.06	13.20 0.00 -0.06	17.48 -0.19 -0.02	20.98 -0.32 -0.03	22.39 -0.16 -0.06	23.35 -0.33 -0.02	21.61 -0.26 0.00	21.01 -0.26 0.00	21.11 -0.34 0.00	18.86 -0.27 -0.03	19.28 -0.35 -0.03	19.06 -0.33 -0.04	19.15 -0.35 -0.07	18.53 -0.34 -0.10	20.78 -0.19 -0.12	22.02 -0.13 -0.18	23.72 -0.19 -0.14	23.42 -0.16 -0.14	22.70 -0.21 -0.08	17.85 -0.20 -0.07	15.99 -0.03 -0.07
BRANSCOMB___SOLAR 323811	23.35 0.50 -9.68	22.18 0.50 -8.52	21.09 0.49 -7.44	21.36 0.49 -7.73	21.57 0.49 -7.95	21.07 0.71 -2.71	26.65 1.00 -4.38	31.74 1.01 -8.24	27.62 1.07 -2.90	22.51 0.88 0.24	21.80 0.79 0.25	22.04 0.86 0.27	23.33 0.74 -3.49	24.20 0.78 -3.82	25.25 0.60 -5.31	27.96 0.62 -7.91	31.33 0.67 -11.89	36.94 0.79 -15.31	45.34 0.81 -22.55	43.39 0.97 -18.65	42.84 1.03 -18.37	34.75 1.00 -10.93	27.79 0.90 -8.91	25.49 0.72 -8.82
BRENTWOD_69_KV_W. BRTWOOD 56703	21.49 1.21 -7.10	21.86 1.21 -7.49	20.02 1.20 -5.66	20.02 1.20 -5.67	21.08 1.18 -6.76	21.47 1.62 -2.19	26.40 1.91 -3.22	30.69 2.16 -6.05	28.22 2.44 -2.13	24.28 2.21 -0.20	23.55 2.08 -0.21	23.78 2.10 -0.22	24.15 1.93 -3.12	25.16 2.02 -3.54	33.84 2.05 -12.44	30.17 2.04 -8.70	31.09 1.86 -10.46	37.39 1.90 -14.65	44.14 1.96 -20.21	42.03 2.26 -16.01	43.99 2.18 -18.36	35.30 2.17 -10.31	28.80 1.76 -9.05	23.91 1.37 -6.58
BRISTLHL_115KV_TB1 79998	13.47 -0.37 -0.66	13.35 -0.39 -0.58	13.26 -0.41 -0.51	13.25 -0.42 -0.53	13.24 -0.43 -0.54	17.35 -0.49 -0.18	21.08 -0.49 -0.30	22.49 -0.56 -0.56	23.19 -0.66 -0.20	21.26 -0.61 0.00	20.65 -0.62 -0.01	20.86 -0.60 -0.01	18.83 -0.53 -0.27	19.37 -0.53 -0.30	19.23 -0.52 -0.41	19.48 -0.54 -0.60	19.16 -0.49 -0.88	21.36 -0.60 -1.12	22.94 -0.64 -1.60	24.40 -0.62 -1.25	24.07 -0.61 -1.23	22.98 -0.57 -0.73	18.09 -0.49 -0.59	16.14 -0.41 -0.60
BROOKHAVEN___DRP 24191	21.41 1.13 -7.10	21.82 1.17 -7.49	20.01 1.18 -5.66	20.00 1.18 -5.67	21.05 1.16 -6.76	21.43 1.59 -2.19	26.25 1.77 -3.22	30.56 2.02 -6.05	28.10 2.32 -2.13	24.17 2.10 -0.20	23.45 1.98 -0.21	23.67 1.99 -0.22	24.05 1.83 -3.12	25.06 1.92 -3.54	33.74 1.95 -12.44	30.12 1.98 -8.70	31.07 1.84 -10.46	37.45 1.96 -14.65	44.19 2.00 -20.21	42.06 2.28 -16.01	44.03 2.23 -18.36	35.25 2.12 -10.31	28.72 1.69 -9.05	23.85 1.31 -6.58
BROOKLYN_NAVY_YARD 23515	21.16 0.86 -7.13	20.28 0.84 -6.28	19.47 0.83 -5.48	19.68 0.84 -5.69	19.78 0.79 -5.86	20.80 1.15 -1.99	25.81 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.09 1.48 -10.84	36.18 1.54 -13.79	43.14 1.74 -19.43	40.22 1.81 -14.65	39.61 1.76 -14.41	32.89 1.64 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
BROOKLYN___ARMY_DRP 323595	21.24 0.96 -7.10	20.35 0.93 -6.25	19.53 0.91 -5.46	19.73 0.91 -5.67	19.86 0.89 -5.84	20.82 1.18 -1.99	25.82 1.34 -3.22	30.15 1.62 -6.05	27.70 1.92 -2.13	23.77 1.71 -0.20	23.19 1.72 -0.21	23.50 1.82 -0.22	23.92 1.70 -3.11	24.94 1.80 -3.53	25.89 1.80 -4.75	28.17 1.81 -6.93	30.39 1.58 -10.04	35.24 1.63 -12.78	41.87 1.89 -18.01	39.31 1.95 -13.60	38.70 1.88 -13.37	32.45 1.80 -7.82	25.69 1.33 -6.38	23.62 1.09 -6.58



BROOKVLE_69_KV_TB1 55790	21.35 1.07 -7.10	21.70 1.05 -7.49	19.85 1.03 -5.66	19.86 1.04 -5.67	20.92 1.02 -6.76	21.26 1.41 -2.19	26.14 1.66 -3.22	30.42 1.89 -6.05	27.96 2.18 -2.13	24.06 1.99 -0.20	23.40 1.93 -0.21	23.65 1.97 -0.22	24.05 1.83 -3.12	25.04 1.90 -3.54	33.72 1.93 -12.44	30.08 1.94 -8.70	31.03 1.80 -10.46	37.41 1.92 -14.65	44.21 2.02 -20.21	41.99 2.21 -16.01	43.96 2.16 -18.36	35.16 2.03 -10.31	28.58 1.55 -9.05	23.77 1.23 -6.58
BROOME_2_LFGE 323671	15.44 0.05 -2.21	15.14 0.03 -1.95	14.89 0.03 -1.70	14.91 0.00 -1.77	14.94 -0.01 -1.82	18.34 0.07 -0.62	22.46 0.19 -1.00	24.56 0.11 -1.96	24.41 0.07 -0.69	22.03 0.15 0.00	21.39 0.13 0.00	21.56 0.11 0.00	20.02 0.04 -0.88	20.65 0.06 -0.99	20.75 0.06 -1.35	21.49 0.08 -1.99	21.79 0.09 -2.93	24.64 0.04 -3.75	27.38 0.00 -5.41	28.14 0.10 -4.28	27.76 0.09 -4.22	25.42 0.11 -2.49	20.09 0.07 -2.03	18.12 0.11 -2.05
BROOME__LFGE 323600	15.44 0.05 -2.21	15.14 0.03 -1.95	14.89 0.03 -1.70	14.91 0.00 -1.77	14.94 -0.01 -1.82	18.34 0.07 -0.62	22.46 0.19 -1.00	24.56 0.11 -1.96	24.41 0.07 -0.69	22.03 0.15 0.00	21.39 0.13 0.00	21.56 0.11 0.00	20.02 0.04 -0.88	20.65 0.06 -0.99	20.75 0.06 -1.35	21.49 0.08 -1.99	21.79 0.09 -2.93	24.64 0.04 -3.75	27.38 0.00 -5.41	28.14 0.10 -4.28	27.76 0.09 -4.22	25.42 0.11 -2.49	20.09 0.07 -2.03	18.12 0.11 -2.05
BROWNFLS_115KV_TB_3_5 80003	12.82 -0.55 -0.20	12.79 -0.55 -0.18	12.79 -0.53 -0.15	12.78 -0.53 -0.16	12.81 -0.49 -0.17	16.99 -0.72 -0.06	20.49 -0.87 -0.09	21.87 -0.79 -0.17	22.72 -0.99 -0.06	20.93 -0.94 0.00	20.33 -0.94 0.00	20.44 -1.01 0.00	18.30 -0.88 -0.08	18.75 -0.94 -0.09	18.54 -0.93 -0.12	18.68 -0.93 -0.18	18.15 -0.88 -0.27	20.39 -0.79 -0.34	21.76 -0.70 -0.49	23.44 -0.71 -0.38	23.12 -0.70 -0.38	22.31 -0.73 -0.22	17.50 -0.67 -0.18	15.62 -0.53 -0.18
BROWNSV1_27_KV_LOAD 356125	21.26 0.99 -7.10	20.39 0.97 -6.25	19.58 0.96 -5.46	19.78 0.96 -5.67	19.90 0.93 -5.84	20.95 1.31 -1.99	25.99 1.51 -3.22	30.31 1.78 -6.04	27.89 2.11 -2.13	23.97 1.90 -0.20	23.36 1.89 -0.21	23.65 1.97 -0.22	24.05 1.83 -3.11	25.04 1.90 -3.53	25.97 1.88 -4.75	28.25 1.88 -6.93	30.52 1.71 -10.04	35.41 1.79 -12.77	42.01 2.02 -18.01	39.48 2.12 -13.60	38.86 2.04 -13.37	32.58 1.94 -7.82	25.76 1.40 -6.38	23.67 1.13 -6.58
BURROWS__LYONSDAL 23803	13.34 -0.08 -0.24	13.28 -0.09 -0.21	13.27 -0.08 -0.18	13.25 -0.09 -0.19	13.24 -0.09 -0.20	17.67 -0.05 -0.07	21.27 -0.11 -0.11	22.65 -0.04 -0.20	23.56 -0.17 -0.07	21.65 -0.22 0.00	21.03 -0.23 0.00	21.20 -0.26 0.00	18.95 -0.25 -0.10	19.48 -0.24 -0.11	19.24 -0.25 -0.15	19.41 -0.23 -0.22	18.90 -0.19 -0.32	21.15 -0.10 -0.41	22.58 0.02 -0.58	24.34 0.12 -0.46	23.99 0.09 -0.45	23.13 0.05 -0.26	18.15 -0.05 -0.22	16.11 -0.06 -0.22
CAITHNESS_CC_1 323624	21.45 1.15 -7.13	21.84 1.17 -7.51	20.03 1.19 -5.68	20.01 1.17 -5.69	21.06 1.14 -6.78	21.44 1.59 -2.20	26.28 1.79 -3.23	30.61 2.07 -6.06	28.10 2.32 -2.13	24.19 2.12 -0.20	23.47 2.00 -0.20	23.73 2.06 -0.22	24.39 1.93 -3.37	25.37 1.94 -3.82	34.14 1.97 -12.82	30.67 1.98 -9.26	31.89 1.86 -11.26	38.47 1.96 -15.67	45.61 2.00 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.86 2.12 -10.91	29.23 1.71 -9.54	24.42 1.37 -7.09
CALPINE BETH_PAGE_GT4 24209	21.41 1.13 -7.10	21.77 1.12 -7.49	19.93 1.11 -5.66	19.93 1.10 -5.67	20.99 1.09 -6.76	21.36 1.52 -2.19	26.21 1.72 -3.22	30.49 1.96 -6.05	28.03 2.25 -2.13	24.10 2.03 -0.20	23.40 1.93 -0.21	23.65 1.97 -0.22	24.03 1.81 -3.12	25.02 1.88 -3.54	33.72 1.93 -12.44	30.08 1.94 -8.70	30.92 1.69 -10.46	37.27 1.77 -14.65	44.01 1.82 -20.21	41.84 2.07 -16.01	43.82 2.02 -18.36	35.05 1.92 -10.31	28.63 1.60 -9.05	23.83 1.29 -6.58
CALPINE_BETH_PAGE_GT_4 323586	21.44 1.13 -7.13	21.79 1.12 -7.51	19.96 1.12 -5.68	19.95 1.10 -5.69	21.00 1.08 -6.78	21.37 1.52 -2.20	26.20 1.70 -3.23	30.50 1.96 -6.06	28.03 2.25 -2.13	24.10 2.03 -0.20	23.40 1.93 -0.20	23.67 2.00 -0.22	24.34 1.87 -3.37	25.33 1.90 -3.82	34.10 1.93 -12.82	30.63 1.94 -9.26	31.72 1.69 -11.26	38.28 1.77 -15.67	45.43 1.82 -21.63	42.90 2.07 -17.06	44.86 2.02 -19.39	35.65 1.92 -10.91	29.12 1.60 -9.54	24.40 1.36 -7.09
CALPINE_BP_GT1 23823	21.44 1.13 -7.13	21.79 1.12 -7.51	19.96 1.12 -5.68	19.95 1.10 -5.69	21.00 1.08 -6.78	21.37 1.52 -2.20	26.20 1.70 -3.23	30.50 1.96 -6.06	28.03 2.25 -2.13	24.10 2.03 -0.20	23.40 1.93 -0.20	23.67 2.00 -0.22	24.34 1.87 -3.37	25.33 1.90 -3.82	34.10 1.93 -12.82	30.63 1.94 -9.26	31.72 1.69 -11.26	38.28 1.77 -15.67	45.43 1.82 -21.63	42.90 2.07 -17.06	44.86 2.02 -19.39	35.65 1.92 -10.91	29.12 1.60 -9.54	24.40 1.36 -7.09
CALSPAN__DRP 24200	13.89 -0.49 -1.20	13.68 -0.54 -1.06	13.52 -0.57 -0.92	13.53 -0.58 -0.96	13.52 -0.60 -0.99	17.30 -0.69 -0.34	21.19 -0.62 -0.54	22.48 -1.03 -1.02	22.76 -1.25 -0.36	21.07 -0.81 -0.01	20.44 -0.83 -0.01	20.58 -0.88 -0.01	18.77 -0.82 -0.49	19.35 -0.80 -0.55	19.25 -0.83 -0.74	19.68 -0.84 -1.09	19.54 -0.83 -1.60	21.76 -1.13 -2.04	23.52 -1.38 -2.93	24.63 -1.43 -2.29	24.43 -1.27 -2.25	22.96 -1.19 -1.32	18.35 -0.72 -1.08	16.67 -0.38 -1.10
CALVERTON__SOLAR 323806	21.45 1.15 -7.13	21.87 1.20 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.08 1.16 -6.78	21.46 1.61 -2.20	26.28 1.79 -3.23	30.61 2.07 -6.06	28.10 2.32 -2.13	24.19 2.12 -0.20	23.47 2.00 -0.20	23.71 2.04 -0.22	24.39 1.93 -3.37	25.37 1.94 -3.82	34.14 1.97 -12.82	30.69 2.00 -9.26	31.91 1.88 -11.26	38.51 2.00 -15.67	45.65 2.04 -21.63	43.16 2.33 -17.06	45.11 2.27 -19.39	35.88 2.14 -10.91	29.25 1.73 -9.54	24.42 1.37 -7.09
CANDIGU_WT_PWR 323617	14.64 -0.11 -1.57	14.40 -0.14 -1.38	14.25 -0.12 -1.21	14.22 -0.18 -1.26	14.23 -0.20 -1.29	17.97 -0.12 -0.44	22.02 0.04 -0.71	23.67 -0.18 -1.36	23.83 -0.31 -0.48	21.78 -0.09 0.00	21.14 -0.13 0.00	21.30 -0.15 0.00	19.51 -0.21 -0.62	20.11 -0.18 -0.69	20.09 -0.19 -0.94	20.62 -0.19 -1.39	20.64 -0.17 -2.05	23.17 -0.29 -2.62	25.31 -0.44 -3.77	26.40 -0.36 -2.99	26.08 -0.31 -2.94	24.29 -0.27 -1.74	19.24 -0.16 -1.42	17.40 0.02 -1.43
CARR STREET_E_SYR 24060	13.69 -0.22 -0.74	13.56 -0.25 -0.65	13.49 -0.24 -0.57	13.46 -0.28 -0.59	13.45 -0.29 -0.60	17.58 -0.28 -0.21	21.35 -0.25 -0.33	22.78 -0.34 -0.63	23.48 -0.40 -0.22	21.52 -0.35 0.00	20.92 -0.34 0.00	21.13 -0.32 0.00	19.10 -0.29 -0.29	19.67 -0.26 -0.32	19.53 -0.25 -0.44	19.80 -0.27 -0.64	19.47 -0.24 -0.95	21.75 -0.31 -1.21	23.37 -0.35 -1.75	24.82 -0.33 -1.39	24.48 -0.33 -1.36	23.33 -0.30 -0.81	18.37 -0.27 -0.66	16.41 -0.21 -0.66
CARTHAGE__PAPER 23857	13.14 -0.42 -0.39	13.08 -0.42 -0.34	13.05 -0.41 -0.30	13.04 -0.42 -0.31	13.06 -0.39 -0.32	17.27 -0.49 -0.11	20.89 -0.55 -0.18	22.31 -0.52 -0.34	23.02 -0.76 -0.12	21.06 -0.81 0.00	20.43 -0.83 0.00	20.59 -0.86 0.00	18.49 -0.76 -0.15	18.97 -0.80 -0.17	18.77 -0.81 -0.23	18.97 -0.80 -0.34	18.58 -0.69 -0.51	20.91 -0.58 -0.65	22.49 -0.42 -0.93	24.22 -0.28 -0.74	23.87 -0.31 -0.73	22.88 -0.37 -0.43	17.92 -0.41 -0.35	15.93 -0.38 -0.35



CASSADAGA_WT_PWR 323784	14.25 -0.21 -1.29	14.08 -0.21 -1.13	14.01 -0.14 -0.99	13.94 -0.24 -1.03	13.93 -0.26 -1.06	17.87 -0.14 -0.36	21.98 0.13 -0.58	23.52 -0.09 -1.12	23.79 -0.26 -0.39	22.05 0.17 0.00	21.41 0.15 0.00	21.56 0.11 0.00	19.51 -0.10 -0.51	20.11 -0.06 -0.56	20.02 -0.10 -0.77	20.43 -0.14 -1.14	20.20 -0.24 -1.68	22.51 -0.48 -2.15	24.36 -0.70 -3.09	25.58 -0.64 -2.45	25.36 -0.49 -2.41	23.72 -0.52 -1.42	18.91 -0.23 -1.16	17.13 0.00 -1.17
CE_DUNWOOD___DRP 24194	21.07 0.80 -7.10	20.20 0.79 -6.25	19.39 0.78 -5.46	19.59 0.78 -5.67	19.73 0.76 -5.83	20.70 1.06 -1.98	25.71 1.23 -3.21	29.95 1.42 -6.04	27.46 1.68 -2.12	23.58 1.51 -0.19	22.98 1.51 -0.20	23.24 1.57 -0.22	23.68 1.47 -3.11	24.66 1.53 -3.53	25.61 1.53 -4.74	27.89 1.53 -6.92	30.21 1.41 -10.03	35.10 1.50 -12.76	41.57 1.60 -17.99	39.06 1.71 -13.58	38.47 1.66 -13.36	32.21 1.57 -7.82	25.53 1.17 -6.37	23.45 0.93 -6.57
CE_MILLWOOD___DRP 24193	20.99 0.76 -7.05	20.12 0.75 -6.21	19.33 0.75 -5.42	19.53 0.75 -5.63	19.66 0.74 -5.79	20.65 1.02 -1.97	25.65 1.19 -3.19	29.86 1.37 -6.00	27.40 1.63 -2.11	23.53 1.47 -0.19	22.93 1.47 -0.20	23.19 1.52 -0.22	23.60 1.41 -3.09	24.58 1.47 -3.51	25.52 1.47 -4.71	27.78 1.48 -6.88	30.10 1.37 -9.96	34.97 1.46 -12.67	41.40 1.56 -17.87	38.92 1.66 -13.49	38.33 1.62 -13.27	32.11 1.53 -7.76	25.43 1.12 -6.33	23.38 0.89 -6.53
CE_NYC2_DRP 24202	21.17 0.90 -7.10	20.30 0.88 -6.25	19.48 0.86 -5.46	19.67 0.85 -5.67	19.81 0.84 -5.84	20.77 1.13 -1.99	25.78 1.30 -3.22	30.06 1.53 -6.05	27.65 1.87 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.21	23.43 1.76 -0.22	23.84 1.62 -3.11	24.84 1.71 -3.53	25.78 1.68 -4.75	28.05 1.69 -6.93	30.31 1.50 -10.04	35.16 1.54 -12.78	41.74 1.76 -18.01	39.19 1.83 -13.60	38.58 1.76 -13.37	32.33 1.69 -7.82	25.59 1.22 -6.38	23.52 0.99 -6.58
CE_NYC_DRP 24195	21.17 0.90 -7.10	20.30 0.88 -6.25	19.49 0.87 -5.46	19.70 0.88 -5.67	19.82 0.85 -5.84	20.82 1.18 -1.99	25.84 1.36 -3.22	30.13 1.60 -6.04	27.70 1.92 -2.12	23.80 1.73 -0.20	23.19 1.72 -0.21	23.48 1.80 -0.22	23.88 1.66 -3.11	24.86 1.73 -3.53	25.80 1.70 -4.75	28.07 1.71 -6.93	30.37 1.56 -10.04	35.24 1.63 -12.77	41.79 1.80 -18.01	39.24 1.88 -13.60	38.62 1.81 -13.37	32.38 1.73 -7.82	25.62 1.26 -6.38	23.56 1.02 -6.58
CHAFFEE___LFGE 323603	13.92 -0.53 -1.27	13.69 -0.59 -1.12	13.59 -0.55 -0.98	13.53 -0.63 -1.01	13.53 -0.64 -1.04	17.27 -0.74 -0.35	21.16 -0.68 -0.57	22.55 -1.06 -1.12	22.77 -1.28 -0.39	21.17 -0.70 0.00	20.56 -0.70 0.00	20.70 -0.75 0.00	18.75 -0.86 -0.51	19.31 -0.86 -0.56	19.25 -0.87 -0.77	19.67 -0.89 -1.14	19.56 -0.88 -1.68	21.82 -1.17 -2.15	23.62 -1.45 -3.10	24.77 -1.45 -2.45	24.57 -1.29 -2.41	22.99 -1.26 -1.42	18.36 -0.79 -1.16	16.70 -0.43 -1.17
CHATEAUG_35_KV_LOAD 355732	12.99 -0.24 -0.05	13.00 -0.21 -0.05	13.10 -0.11 -0.04	13.14 -0.05 -0.04	13.26 0.08 -0.04	17.69 0.02 -0.01	21.35 0.06 -0.02	22.73 0.20 -0.04	23.79 0.12 -0.02	22.00 0.13 0.00	21.37 0.11 0.00	21.39 -0.06 0.00	19.08 -0.04 -0.02	19.45 -0.18 -0.02	19.22 -0.15 -0.03	19.30 -0.17 -0.05	18.65 -0.19 -0.07	20.91 -0.02 -0.09	22.21 0.11 -0.12	23.93 0.07 -0.10	23.66 0.12 -0.10	22.97 0.09 -0.06	18.08 0.05 -0.05	16.12 0.11 -0.05
CHATEAUG_WT_PWR 323614	12.92 -0.25 0.00	12.94 -0.22 0.00	13.03 -0.13 0.00	13.08 -0.07 0.00	13.21 0.08 0.00	17.67 0.02 0.00	21.35 0.09 0.00	22.76 0.27 0.00	23.87 0.21 0.00	22.11 0.24 0.00	21.48 0.21 0.00	21.49 0.04 0.00	19.18 0.08 0.00	19.54 -0.06 0.00	19.29 -0.06 0.00	19.35 -0.08 0.00	18.66 -0.11 0.00	20.88 0.04 0.00	22.15 0.17 0.00	23.91 0.14 0.00	23.61 0.17 0.00	22.98 0.16 0.00	18.08 0.09 0.00	16.09 0.13 0.00
CHAT_HIGH_FALL_HYD 323578	12.94 -0.24 0.00	12.95 -0.21 0.00	13.03 -0.13 0.00	13.10 -0.05 0.00	13.21 0.08 0.00	17.67 0.02 0.00	21.33 0.06 0.00	22.69 0.20 0.00	23.78 0.12 0.00	22.00 0.13 0.00	21.37 0.11 0.00	21.39 -0.06 0.00	19.06 -0.04 0.00	19.43 -0.18 0.00	19.19 -0.16 0.00	19.25 -0.18 0.00	18.58 -0.19 0.00	20.82 -0.02 0.00	22.08 0.11 0.00	23.84 0.07 0.00	23.56 0.12 0.00	22.91 0.09 0.00	18.04 0.05 0.00	16.04 0.08 0.00
CHAUTAUQUA___LFGE 323629	14.13 -0.29 -1.24	13.93 -0.33 -1.10	13.84 -0.28 -0.96	13.77 -0.37 -0.99	13.78 -0.38 -1.02	17.67 -0.34 -0.35	21.68 -0.15 -0.56	23.09 -0.47 -1.08	23.37 -0.66 -0.38	21.61 -0.26 0.00	20.99 -0.28 0.00	21.11 -0.34 0.00	19.23 -0.36 -0.49	19.81 -0.33 -0.54	19.72 -0.37 -0.74	20.12 -0.41 -1.10	19.94 -0.45 -1.62	22.21 -0.71 -2.07	24.02 -0.94 -2.99	25.23 -0.90 -2.37	25.02 -0.75 -2.33	23.47 -0.73 -1.37	18.71 -0.40 -1.12	16.99 -0.10 -1.13
CHERRYST_13_KV_LD 356241	21.20 0.92 -7.10	20.34 0.92 -6.25	19.53 0.91 -5.46	19.73 0.91 -5.67	19.85 0.88 -5.84	20.88 1.24 -1.99	25.91 1.42 -3.22	30.20 1.66 -6.04	27.79 2.01 -2.12	23.86 1.79 -0.20	23.25 1.79 -0.21	23.54 1.87 -0.22	23.95 1.74 -3.11	24.92 1.78 -3.53	25.85 1.76 -4.75	28.13 1.77 -6.93	30.43 1.61 -10.04	35.31 1.69 -12.77	41.85 1.87 -18.01	39.31 1.95 -13.60	38.70 1.88 -13.37	32.42 1.78 -7.82	25.66 1.29 -6.38	23.59 1.05 -6.58
CHESTROR_138KV_BK263 355645	20.23 0.67 -6.38	19.43 0.64 -5.62	18.70 0.63 -4.91	18.89 0.64 -5.10	19.02 0.64 -5.24	20.36 0.92 -1.78	25.24 1.08 -2.89	29.11 1.19 -5.43	26.96 1.40 -1.91	23.29 1.25 -0.17	22.67 1.23 -0.18	22.93 1.29 -0.19	23.09 1.20 -2.79	24.02 1.25 -3.16	24.85 1.26 -4.25	26.90 1.26 -6.20	28.95 1.18 -9.00	33.56 1.27 -11.44	39.46 1.34 -16.15	37.43 1.45 -12.21	36.89 1.43 -12.01	31.17 1.32 -7.03	24.72 1.01 -5.73	22.66 0.80 -5.90
CH_MIDHUDSON___DRP 24192	21.42 0.74 -7.51	20.49 0.71 -6.62	19.64 0.70 -5.78	19.86 0.71 -6.00	20.02 0.71 -6.17	20.76 1.01 -2.10	25.86 1.19 -3.40	30.17 1.28 -6.39	27.42 1.51 -2.25	23.38 1.31 -0.20	22.81 1.34 -0.20	23.05 1.37 -0.22	23.65 1.28 -3.27	24.65 1.33 -3.71	25.67 1.33 -4.99	28.08 1.36 -7.29	30.60 1.26 -10.57	35.65 1.35 -13.45	42.39 1.43 -18.99	39.66 1.52 -14.37	39.11 1.52 -14.14	32.49 1.39 -8.27	25.77 1.04 -6.75	23.72 0.81 -6.95
CH_MISC_IPPS 23765	21.09 0.82 -7.10	20.17 0.76 -6.25	19.38 0.76 -5.46	19.58 0.76 -5.67	19.74 0.77 -5.83	20.77 1.13 -1.98	25.80 1.32 -3.21	29.95 1.44 -6.02	27.45 1.68 -2.12	23.46 1.44 -0.15	22.88 1.47 -0.15	23.10 1.48 -0.17	23.76 1.39 -3.26	24.74 1.45 -3.69	25.77 1.45 -4.97	28.18 1.48 -7.27	30.73 1.39 -10.57	35.82 1.52 -13.46	42.59 1.56 -19.05	39.97 1.69 -14.52	39.42 1.69 -14.28	32.72 1.53 -8.37	25.98 1.17 -6.82	23.92 0.96 -7.01
CH_RES_BVR_FALLS 23983	13.02 -0.16 0.00	13.00 -0.16 0.00	12.98 -0.18 0.00	12.96 -0.18 0.00	12.96 -0.17 0.00	17.37 -0.28 0.00	20.93 -0.34 0.00	22.17 -0.31 0.00	23.33 -0.33 0.00	21.57 -0.31 0.00	20.96 -0.30 0.00	21.11 -0.34 0.00	18.79 -0.31 0.00	19.27 -0.33 0.00	19.02 -0.33 0.00	19.08 -0.35 0.00	18.43 -0.34 0.00	20.51 -0.33 0.00	21.65 -0.33 0.00	23.41 -0.36 0.00	23.10 -0.35 0.00	22.48 -0.34 0.00	17.73 -0.25 0.00	15.75 -0.21 0.00



CH_RES_NIAGARA 23895	13.48 -0.83 -1.14	13.27 -0.90 -1.00	13.18 -0.86 -0.87	13.12 -0.93 -0.91	13.12 -0.95 -0.93	16.76 -1.22 -0.32	20.51 -1.28 -0.51	21.65 -1.82 -0.98	21.92 -2.08 -0.35	20.10 -1.77 0.00	19.50 -1.76 0.00	19.65 -1.80 0.00	18.08 -1.47 -0.45	18.61 -1.49 -0.50	18.53 -1.49 -0.68	18.89 -1.54 -1.00	18.80 -1.44 -1.48	20.88 -1.86 -1.89	22.52 -2.18 -2.72	23.64 -2.28 -2.16	23.44 -2.13 -2.12	22.14 -1.94 -1.25	17.71 -1.30 -1.02	16.18 -0.81 -1.03
CH_RES_SYRACUSE 23985	13.83 -0.16 -0.81	13.69 -0.18 -0.72	13.62 -0.17 -0.63	13.59 -0.21 -0.65	13.58 -0.22 -0.67	17.69 -0.19 -0.23	21.51 -0.13 -0.37	22.98 -0.20 -0.70	23.62 -0.28 -0.24	21.65 -0.22 0.00	21.03 -0.23 0.00	21.24 -0.21 0.00	19.23 -0.19 -0.32	19.78 -0.18 -0.35	19.65 -0.17 -0.48	19.96 -0.18 -0.71	19.66 -0.15 -1.05	21.95 -0.23 -1.34	23.64 -0.26 -1.93	25.08 -0.21 -1.53	24.74 -0.21 -1.50	23.53 -0.18 -0.89	18.53 -0.18 -0.72	16.55 -0.14 -0.73
CLINTON_WT_PWR 323605	12.92 -0.25 0.00	12.94 -0.22 0.00	13.03 -0.13 0.00	13.08 -0.07 0.00	13.21 0.08 0.00	17.67 0.02 0.00	21.35 0.09 0.00	22.76 0.27 0.00	23.87 0.21 0.00	22.11 0.24 0.00	21.48 0.21 0.00	21.49 0.04 0.00	19.18 0.08 0.00	19.54 -0.06 0.00	19.29 -0.06 0.00	19.35 -0.08 0.00	18.66 -0.11 0.00	20.88 0.04 0.00	22.15 0.17 0.00	23.91 0.14 0.00	23.61 0.17 0.00	22.98 0.16 0.00	18.08 0.09 0.00	16.09 0.13 0.00
CLINTON___LFGE 323618	13.03 -0.14 0.00	13.04 -0.12 0.00	13.12 -0.04 0.00	13.19 0.04 0.00	13.35 0.21 0.00	17.85 0.19 0.00	21.56 0.30 0.00	23.19 0.70 0.00	24.30 0.64 0.00	22.53 0.66 0.00	21.88 0.62 0.00	21.88 0.43 0.00	19.52 0.42 0.00	19.84 0.24 0.00	19.64 0.29 0.00	19.70 0.27 0.00	18.99 0.23 0.00	21.34 0.50 0.00	22.66 0.68 0.00	24.43 0.66 0.00	24.15 0.70 0.00	23.48 0.66 0.00	18.43 0.45 0.00	16.37 0.41 0.00
COBBLENY_34_KV_TB1 80064	13.90 -0.53 -1.26	13.68 -0.59 -1.11	13.51 -0.62 -0.97	13.52 -0.63 -1.00	13.52 -0.64 -1.03	17.27 -0.74 -0.35	21.16 -0.68 -0.57	22.50 -1.06 -1.07	22.78 -1.25 -0.38	21.18 -0.70 -0.01	20.57 -0.70 -0.01	20.71 -0.75 -0.01	18.75 -0.86 -0.51	19.33 -0.84 -0.57	19.25 -0.87 -0.78	19.68 -0.89 -1.14	19.56 -0.88 -1.67	21.81 -1.17 -2.14	23.60 -1.43 -3.06	24.71 -1.45 -2.39	24.51 -1.29 -2.35	22.95 -1.26 -1.38	18.32 -0.79 -1.13	16.64 -0.46 -1.15
COFFEEN_115KV_TB3 355620	13.28 -0.32 -0.42	13.21 -0.32 -0.37	13.17 -0.32 -0.32	13.15 -0.33 -0.33	13.16 -0.32 -0.34	17.45 -0.32 -0.12	21.09 -0.36 -0.19	22.53 -0.31 -0.35	23.17 -0.62 -0.12	21.17 -0.70 0.00	20.54 -0.72 0.00	20.70 -0.75 0.00	18.58 -0.69 -0.17	19.11 -0.69 -0.19	18.87 -0.74 -0.26	19.09 -0.72 -0.38	18.70 -0.62 -0.55	21.07 -0.48 -0.71	22.72 -0.26 -1.01	24.49 -0.07 -0.79	24.13 -0.09 -0.78	23.12 -0.16 -0.46	18.09 -0.27 -0.37	16.07 -0.27 -0.38
COLDSPRG_115KV_BK1 355956	14.36 -0.16 -1.34	14.17 -0.17 -1.18	13.98 -0.21 -1.03	14.01 -0.21 -1.07	14.01 -0.22 -1.10	17.94 -0.09 -0.38	22.04 0.17 -0.61	23.65 0.02 -1.14	23.89 -0.17 -0.40	22.28 0.39 -0.01	21.64 0.36 -0.01	21.79 0.32 -0.01	19.59 -0.06 -0.54	20.19 -0.02 -0.61	20.09 -0.08 -0.83	20.55 -0.10 -1.22	20.36 -0.19 -1.78	22.75 -0.38 -2.28	24.62 -0.62 -3.26	25.79 -0.52 -2.55	25.60 -0.35 -2.51	23.89 -0.41 -1.48	19.05 -0.14 -1.20	17.23 0.05 -1.22
COLONIE_LFGE___ 323577	23.08 0.41 -9.49	21.93 0.41 -8.36	20.87 0.41 -7.30	21.14 0.41 -7.58	21.34 0.41 -7.80	20.89 0.58 -2.66	26.35 0.79 -4.30	31.33 0.77 -8.08	27.40 0.90 -2.84	22.36 0.77 0.28	21.67 0.70 0.29	21.88 0.75 0.32	23.14 0.69 -3.36	23.97 0.70 -3.66	25.11 0.66 -5.10	27.72 0.66 -7.63	30.95 0.67 -11.51	36.45 0.77 -14.83	44.73 0.81 -21.94	42.97 0.90 -18.30	42.38 0.91 -18.02	34.42 0.87 -10.74	27.46 0.72 -8.75	25.15 0.56 -8.63
COOPERNY_115KV_TB1 80082	18.48 0.53 -4.78	17.89 0.51 -4.21	17.34 0.50 -3.68	17.48 0.51 -3.82	17.56 0.50 -3.93	19.72 0.72 -1.34	24.28 0.85 -2.17	27.55 0.99 -4.07	26.25 1.16 -1.43	22.98 1.01 -0.10	22.36 1.00 -0.10	22.59 1.03 -0.11	21.92 0.78 -2.04	22.73 0.82 -2.30	23.28 0.83 -3.11	24.81 0.84 -4.55	26.17 0.79 -6.62	30.13 0.85 -8.43	34.85 0.92 -11.95	33.90 1.00 -9.13	33.42 0.98 -8.99	29.00 0.91 -5.27	22.96 0.68 -4.29	20.90 0.54 -4.40
COPENHAGEN_WT_PWR 323753	13.27 -0.37 -0.46	13.18 -0.38 -0.40	13.15 -0.37 -0.35	13.12 -0.39 -0.37	13.13 -0.38 -0.38	17.36 -0.42 -0.13	21.01 -0.47 -0.21	22.43 -0.45 -0.40	23.09 -0.71 -0.14	21.13 -0.74 0.00	20.50 -0.76 0.00	20.68 -0.77 0.00	18.57 -0.71 -0.18	19.08 -0.72 -0.20	18.88 -0.74 -0.27	19.09 -0.74 -0.40	18.70 -0.66 -0.59	21.04 -0.56 -0.76	22.68 -0.39 -1.10	24.37 -0.26 -0.87	24.04 -0.26 -0.86	23.01 -0.32 -0.50	18.04 -0.36 -0.41	16.02 -0.35 -0.42
CORNELL___ 23752	15.05 0.20 -1.68	14.81 0.17 -1.48	14.61 0.16 -1.29	14.63 0.14 -1.34	14.64 0.13 -1.38	18.44 0.32 -0.47	22.49 0.47 -0.76	24.25 0.34 -1.43	24.44 0.28 -0.50	22.17 0.28 -0.01	21.47 0.19 -0.01	21.66 0.19 -0.01	19.91 0.13 -0.68	20.54 0.18 -0.76	20.55 0.17 -1.03	21.12 0.17 -1.52	21.22 0.23 -2.22	23.91 0.23 -2.84	26.29 0.24 -4.07	27.33 0.38 -3.19	26.93 0.35 -3.13	25.03 0.37 -1.85	19.72 0.23 -1.50	17.69 0.21 -1.53
CORONA_AAV_69_KV_TB1 355595	21.40 1.12 -7.10	21.75 1.11 -7.49	19.90 1.08 -5.66	19.91 1.09 -5.67	20.96 1.06 -6.76	21.33 1.48 -2.19	26.16 1.68 -3.22	30.45 1.91 -6.05	28.01 2.22 -2.13	24.08 2.01 -0.20	23.38 1.91 -0.21	23.61 1.93 -0.22	24.01 1.80 -3.12	25.00 1.86 -3.54	33.68 1.90 -12.44	30.04 1.90 -8.70	31.00 1.76 -10.46	37.39 1.90 -14.65	44.10 1.91 -20.21	41.92 2.14 -16.01	43.89 2.09 -18.36	35.16 2.03 -10.31	28.58 1.55 -9.05	23.75 1.21 -6.58
CORTLAND_115KV_TB3 80093	14.63 0.07 -1.39	14.42 0.04 -1.22	14.25 0.03 -1.07	14.27 0.01 -1.11	14.27 0.00 -1.14	18.17 0.12 -0.39	22.11 0.21 -0.63	23.83 0.16 -1.18	24.19 0.12 -0.41	22.01 0.13 -0.01	21.36 0.09 -0.01	21.55 0.09 -0.01	19.70 0.04 -0.56	20.31 0.08 -0.63	20.27 0.08 -0.85	20.76 0.08 -1.25	20.72 0.11 -1.84	23.30 0.10 -2.35	25.45 0.11 -3.37	26.59 0.19 -2.63	26.23 0.19 -2.59	24.55 0.21 -1.53	19.34 0.11 -1.24	17.32 0.10 -1.26
COXSACKIE___GT 23611	22.28 0.46 -8.64	21.14 0.37 -7.61	20.15 0.34 -6.65	20.39 0.34 -6.90	20.70 0.46 -7.10	20.90 0.83 -2.42	26.37 1.19 -3.91	30.91 1.08 -7.34	27.40 1.16 -2.58	22.76 0.99 0.10	22.20 1.04 0.10	22.35 1.01 0.11	23.36 0.92 -3.34	24.23 0.92 -3.70	25.38 0.95 -5.09	27.92 0.95 -7.54	30.91 0.94 -11.21	36.41 1.19 -14.37	43.97 1.10 -20.90	41.85 1.24 -16.85	41.37 1.34 -16.58	33.81 1.16 -9.82	26.91 0.92 -8.01	24.64 0.67 -8.01
CPV_VALLEY___CC1 323721	19.67 0.63 -5.86	18.93 0.61 -5.17	18.28 0.61 -4.51	18.44 0.61 -4.68	18.55 0.59 -4.82	20.14 0.85 -1.64	24.92 1.00 -2.66	28.58 1.12 -4.97	26.70 1.30 -1.75	23.17 1.16 -0.14	22.58 1.17 -0.15	22.81 1.20 -0.16	23.42 1.24 -3.08	24.39 1.29 -3.49	25.34 1.30 -4.70	27.61 1.32 -6.86	29.93 1.22 -9.94	34.78 1.29 -12.65	41.20 1.39 -17.84	38.73 1.47 -13.48	38.16 1.45 -13.26	31.93 1.35 -7.76	25.32 1.01 -6.33	23.34 0.86 -6.52



CPV_VALLEY___CC2 323722	19.67 0.63 -5.86	18.93 0.61 -5.17	18.28 0.61 -4.51	18.44 0.61 -4.68	18.55 0.59 -4.82	20.14 0.85 -1.64	24.92 1.00 -2.66	28.58 1.12 -4.97	26.70 1.30 -1.75	23.17 1.16 -0.14	22.58 1.17 -0.15	22.81 1.20 -0.16	23.42 1.24 -3.08	24.39 1.29 -3.49	25.34 1.30 -4.70	27.61 1.32 -6.86	29.93 1.22 -9.94	34.78 1.29 -12.65	41.20 1.39 -17.84	38.73 1.47 -13.48	38.16 1.45 -13.26	31.93 1.35 -7.76	25.32 1.01 -6.33	23.34 0.86 -6.52
CRESCENT___HYD 24018	23.08 0.41 -9.49	21.93 0.41 -8.36	20.87 0.41 -7.30	21.14 0.41 -7.58	21.34 0.41 -7.80	20.89 0.58 -2.66	26.35 0.79 -4.30	31.33 0.77 -8.08	27.40 0.90 -2.84	22.36 0.77 0.28	21.67 0.70 0.29	21.88 0.75 0.32	23.14 0.69 -3.36	23.97 0.70 -3.66	25.11 0.66 -5.10	27.72 0.66 -7.63	30.95 0.67 -11.51	36.45 0.77 -14.83	44.73 0.81 -21.94	42.97 0.90 -18.30	42.38 0.91 -18.02	34.42 0.87 -10.74	27.46 0.72 -8.75	25.15 0.56 -8.63
CRICKET___VALLEY_CC1 323756	21.39 0.55 -7.66	20.46 0.55 -6.75	19.62 0.57 -5.89	19.82 0.55 -6.12	19.97 0.54 -6.30	20.54 0.74 -2.14	25.61 0.87 -3.47	29.92 0.92 -6.51	27.08 1.14 -2.29	20.12 0.99 2.74	19.40 1.00 2.86	19.39 1.05 3.11	18.62 0.99 1.47	18.13 1.02 2.49	18.06 1.02 2.31	18.06 1.03 2.40	18.71 0.94 1.00	21.65 1.00 0.19	28.41 1.08 -5.36	38.44 1.14 -13.53	37.99 1.13 -13.42	32.79 1.05 -8.92	26.07 0.81 -7.27	21.94 0.64 -5.34
CRICKET___VALLEY_CC2 323757	21.39 0.55 -7.66	20.46 0.55 -6.75	19.62 0.57 -5.89	19.82 0.55 -6.12	19.97 0.54 -6.30	20.54 0.74 -2.14	25.61 0.87 -3.47	29.92 0.92 -6.51	27.08 1.14 -2.29	20.12 0.99 2.74	19.40 1.00 2.86	19.39 1.05 3.11	18.62 0.99 1.47	18.13 1.02 2.49	18.06 1.02 2.31	18.06 1.03 2.40	18.71 0.94 1.00	21.65 1.00 0.19	28.41 1.08 -5.36	38.44 1.14 -13.53	37.99 1.13 -13.42	32.79 1.05 -8.92	26.07 0.81 -7.27	21.94 0.64 -5.34
CRICKET___VALLEY_CC3 323758	21.39 0.55 -7.66	20.46 0.55 -6.75	19.62 0.57 -5.89	19.82 0.55 -6.12	19.97 0.54 -6.30	20.54 0.74 -2.14	25.61 0.87 -3.47	29.92 0.92 -6.51	27.08 1.14 -2.29	20.12 0.99 2.74	19.40 1.00 2.86	19.39 1.05 3.11	18.62 0.99 1.47	18.13 1.02 2.49	18.06 1.02 2.31	18.06 1.03 2.40	18.71 0.94 1.00	21.65 1.00 0.19	28.41 1.08 -5.36	38.44 1.14 -13.53	37.99 1.13 -13.42	32.79 1.05 -8.92	26.07 0.81 -7.27	21.94 0.64 -5.34
CRUCIBLE_METL_DRP 24180	13.83 -0.16 -0.81	13.69 -0.18 -0.71	13.59 -0.20 -0.62	13.59 -0.21 -0.65	13.58 -0.22 -0.67	17.69 -0.19 -0.23	21.51 -0.13 -0.37	22.98 -0.20 -0.69	23.61 -0.28 -0.24	21.66 -0.22 -0.01	21.04 -0.23 -0.01	21.24 -0.21 -0.01	19.24 -0.19 -0.33	19.79 -0.18 -0.37	19.67 -0.17 -0.50	19.99 -0.17 -0.73	19.69 -0.15 -1.08	21.99 -0.23 -1.38	23.68 -0.26 -1.97	25.09 -0.21 -1.54	24.75 -0.21 -1.52	23.53 -0.18 -0.89	18.53 -0.18 -0.73	16.54 -0.16 -0.74
DAHOWA___HYDRO 323763	23.38 0.50 -9.71	22.21 0.50 -8.55	21.12 0.49 -7.47	21.39 0.49 -7.75	21.60 0.49 -7.98	21.08 0.71 -2.72	26.71 1.04 -4.40	31.79 1.04 -8.26	27.67 1.11 -2.90	22.53 0.90 0.23	21.83 0.81 0.24	22.07 0.88 0.27	23.40 0.78 -3.51	24.26 0.80 -3.85	25.25 0.56 -5.35	27.98 0.58 -7.97	31.41 0.67 -11.97	37.04 0.79 -15.40	45.43 0.79 -22.67	43.44 0.95 -18.72	42.91 1.03 -18.43	34.76 0.98 -10.96	27.86 0.93 -8.94	25.54 0.73 -8.85
DANC___LFGE 323619	13.35 -0.37 -0.54	13.25 -0.38 -0.48	13.21 -0.37 -0.41	13.19 -0.39 -0.43	13.19 -0.39 -0.44	17.35 -0.46 -0.15	21.02 -0.49 -0.24	22.41 -0.54 -0.46	23.09 -0.73 -0.16	21.13 -0.74 0.00	20.54 -0.72 0.00	20.72 -0.73 0.00	18.66 -0.65 -0.21	19.19 -0.65 -0.23	18.99 -0.68 -0.32	19.22 -0.68 -0.47	18.85 -0.62 -0.70	21.13 -0.61 -0.89	22.73 -0.53 -1.29	24.38 -0.40 -1.02	24.07 -0.38 -1.00	23.03 -0.39 -0.59	18.07 -0.40 -0.48	16.08 -0.37 -0.49
DANSKAMMER___1 23586	21.09 0.82 -7.10	20.17 0.76 -6.25	19.38 0.76 -5.46	19.58 0.76 -5.67	19.74 0.77 -5.83	20.77 1.13 -1.98	25.80 1.32 -3.21	29.95 1.44 -6.02	27.45 1.68 -2.12	23.46 1.44 -0.15	22.88 1.47 -0.15	23.10 1.48 -0.17	23.76 1.39 -3.26	24.74 1.45 -3.69	25.77 1.45 -4.97	28.18 1.48 -7.27	30.73 1.39 -10.57	35.82 1.52 -13.46	42.59 1.56 -19.05	39.97 1.69 -14.52	39.42 1.69 -14.28	32.72 1.53 -8.37	25.98 1.17 -6.82	23.92 0.96 -7.01
DANSKAMMER___2 23589	21.09 0.82 -7.10	20.17 0.76 -6.25	19.38 0.76 -5.46	19.58 0.76 -5.67	19.74 0.77 -5.83	20.77 1.13 -1.98	25.80 1.32 -3.21	29.95 1.44 -6.02	27.45 1.68 -2.12	23.46 1.44 -0.15	22.88 1.47 -0.15	23.10 1.48 -0.17	23.76 1.39 -3.26	24.74 1.45 -3.69	25.77 1.45 -4.97	28.18 1.48 -7.27	30.73 1.39 -10.57	35.82 1.52 -13.46	42.59 1.56 -19.05	39.97 1.69 -14.52	39.42 1.69 -14.28	32.72 1.53 -8.37	25.98 1.17 -6.82	23.92 0.96 -7.01
DANSKAMMER___3 23590	21.09 0.82 -7.10	20.17 0.76 -6.25	19.38 0.76 -5.46	19.58 0.76 -5.67	19.74 0.77 -5.83	20.77 1.13 -1.98	25.80 1.32 -3.21	29.95 1.44 -6.02	27.45 1.68 -2.12	23.46 1.44 -0.15	22.88 1.47 -0.15	23.10 1.48 -0.17	23.76 1.39 -3.26	24.74 1.45 -3.69	25.77 1.45 -4.97	28.18 1.48 -7.27	30.73 1.39 -10.57	35.82 1.52 -13.46	42.59 1.56 -19.05	39.97 1.69 -14.52	39.42 1.69 -14.28	32.72 1.53 -8.37	25.98 1.17 -6.82	23.92 0.96 -7.01
DANSKAMMER___4 23591	21.09 0.82 -7.10	20.17 0.76 -6.25	19.38 0.76 -5.46	19.58 0.76 -5.67	19.74 0.77 -5.83	20.77 1.13 -1.98	25.80 1.32 -3.21	29.95 1.44 -6.02	27.45 1.68 -2.12	23.46 1.44 -0.15	22.88 1.47 -0.15	23.10 1.48 -0.17	23.76 1.39 -3.26	24.74 1.45 -3.69	25.77 1.45 -4.97	28.18 1.48 -7.27	30.73 1.39 -10.57	35.82 1.52 -13.46	42.59 1.56 -19.05	39.97 1.69 -14.52	39.42 1.69 -14.28	32.72 1.53 -8.37	25.98 1.17 -6.82	23.92 0.96 -7.01
DANSKAMMER___DIESEL 23592	21.20 0.82 -7.21	20.27 0.76 -6.35	19.45 0.75 -5.54	19.67 0.76 -5.75	19.83 0.77 -5.92	20.80 1.13 -2.02	25.87 1.34 -3.26	30.06 1.44 -6.13	27.49 1.68 -2.16	23.50 1.44 -0.18	22.92 1.47 -0.19	23.14 1.48 -0.21	23.61 1.38 -3.13	24.60 1.45 -3.55	25.57 1.45 -4.78	27.88 1.48 -6.98	30.28 1.39 -10.12	35.25 1.52 -12.88	41.73 1.56 -18.19	39.24 1.69 -13.79	38.70 1.69 -13.56	32.29 1.53 -7.94	25.61 1.15 -6.47	23.51 0.89 -6.66
DARBY___SOLAR 323810	23.43 0.51 -9.74	22.24 0.50 -8.58	21.14 0.49 -7.49	21.41 0.49 -7.78	21.64 0.50 -8.00	21.08 0.71 -2.72	26.70 1.02 -4.41	31.81 1.03 -8.29	27.68 1.11 -2.91	22.63 0.94 0.19	21.92 0.85 0.19	22.14 0.90 0.21	23.40 0.80 -3.49	24.29 0.84 -3.84	25.30 0.64 -5.32	28.00 0.66 -7.91	31.33 0.71 -11.85	36.91 0.83 -15.24	45.18 0.86 -22.35	43.10 1.00 -18.34	42.56 1.06 -18.05	34.55 1.00 -10.73	27.65 0.92 -8.74	25.36 0.72 -8.68
DASHVILLE___HYD 23610	21.44 1.00 -7.26	20.45 0.89 -6.40	19.61 0.87 -5.58	19.84 0.89 -5.80	20.03 0.93 -5.97	21.10 1.41 -2.03	26.13 1.57 -3.29	30.38 1.71 -6.18	27.79 1.96 -2.17	23.74 1.75 -0.12	23.28 1.89 -0.13	23.45 1.87 -0.14	23.91 1.76 -3.05	24.86 1.82 -3.44	25.85 1.86 -4.65	28.12 1.88 -6.81	30.26 1.56 -9.93	35.21 1.71 -12.66	41.52 1.54 -18.00	39.02 1.40 -13.85	38.45 1.38 -13.62	32.03 1.21 -8.00	25.37 0.86 -6.52	23.21 0.59 -6.67



DEERFIELD_69_KV_DEERFIELD LD 355887	21.61 1.33 -7.10	22.04 1.40 -7.49	20.22 1.40 -5.66	20.21 1.39 -5.67	21.26 1.37 -6.76	21.72 1.87 -2.19	26.63 2.15 -3.22	30.99 2.45 -6.05	28.55 2.77 -2.13	24.60 2.54 -0.20	23.87 2.40 -0.21	24.06 2.38 -0.22	24.41 2.20 -3.12	25.41 2.27 -3.54	34.11 2.32 -12.44	30.50 2.37 -8.70	31.48 2.25 -10.46	37.91 2.42 -14.65	44.67 2.48 -20.21	42.58 2.80 -16.01	44.55 2.74 -18.36	35.69 2.56 -10.31	29.05 2.01 -9.05	24.13 1.60 -6.58
DELAWARE___LFGE 323621	16.96 0.38 -3.40	16.53 0.37 -3.00	16.15 0.37 -2.62	16.22 0.36 -2.72	16.29 0.35 -2.80	19.15 0.55 -0.95	23.47 0.66 -1.54	26.08 0.70 -2.90	25.41 0.73 -1.02	22.55 0.66 -0.02	21.90 0.62 -0.02	22.10 0.62 -0.03	20.99 0.52 -1.37	21.69 0.55 -1.54	21.96 0.52 -2.09	23.05 0.54 -3.07	23.80 0.53 -4.51	27.19 0.58 -5.76	30.85 0.62 -8.26	30.97 0.74 -6.47	30.51 0.70 -6.36	27.28 0.71 -3.75	21.54 0.50 -3.06	19.47 0.41 -3.10
DERFIELD_115KV_TB7 355931	13.19 -0.01 -0.03	13.18 -0.01 -0.03	13.16 -0.03 -0.03	13.15 -0.03 -0.03	13.14 -0.03 -0.03	17.65 -0.02 -0.01	21.28 0.00 -0.01	22.52 0.00 -0.03	23.67 0.00 -0.01	21.87 0.00 0.00	21.24 -0.02 0.00	21.45 0.00 0.00	19.09 -0.02 -0.01	19.62 0.00 -0.01	19.36 0.00 -0.02	19.46 0.00 -0.03	18.81 0.00 -0.04	20.90 0.00 -0.05	22.05 0.00 -0.08	23.83 0.00 -0.06	23.51 0.00 -0.06	22.86 0.00 -0.04	18.01 0.00 -0.03	15.97 -0.02 -0.03
DOGLEVILLE___HYD 23807	13.07 -0.11 0.00	13.04 -0.12 0.00	13.04 -0.12 0.00	13.02 -0.13 0.00	12.99 -0.14 0.00	17.50 -0.16 0.00	21.03 -0.23 0.00	22.22 -0.27 0.00	23.40 -0.26 0.00	21.57 -0.31 0.00	20.92 -0.34 0.00	21.07 -0.39 0.00	18.72 -0.38 0.00	19.21 -0.39 0.00	18.94 -0.41 0.00	19.04 -0.39 0.00	18.41 -0.36 0.00	20.47 -0.37 0.00	21.62 -0.35 0.00	23.43 -0.33 0.00	23.10 -0.35 0.00	22.50 -0.32 0.00	17.75 -0.23 0.00	15.77 -0.19 0.00
DUNKIRK___115KV_TB_200 55889	14.10 -0.30 -1.23	13.90 -0.34 -1.08	13.74 -0.37 -0.95	13.75 -0.38 -0.98	13.74 -0.41 -1.01	17.63 -0.37 -0.34	21.65 -0.17 -0.56	23.02 -0.52 -1.05	23.32 -0.71 -0.37	21.55 -0.33 -0.01	20.93 -0.34 -0.01	21.08 -0.39 -0.01	19.20 -0.40 -0.50	19.79 -0.37 -0.56	19.70 -0.41 -0.76	20.12 -0.43 -1.12	19.92 -0.49 -1.64	22.21 -0.73 -2.09	24.00 -0.97 -3.00	25.16 -0.95 -2.34	24.95 -0.80 -2.30	23.40 -0.78 -1.36	18.68 -0.41 -1.11	16.94 -0.14 -1.12
DUNKIRK___1 23563	14.10 -0.30 -1.23	13.90 -0.34 -1.08	13.74 -0.37 -0.95	13.75 -0.38 -0.98	13.74 -0.41 -1.01	17.63 -0.37 -0.34	21.65 -0.17 -0.56	23.02 -0.52 -1.05	23.32 -0.71 -0.37	21.55 -0.33 -0.01	20.93 -0.34 -0.01	21.08 -0.39 -0.01	19.20 -0.40 -0.50	19.79 -0.37 -0.56	19.70 -0.41 -0.76	20.12 -0.43 -1.12	19.92 -0.49 -1.64	22.21 -0.73 -2.09	24.00 -0.97 -3.00	25.16 -0.95 -2.34	24.95 -0.80 -2.30	23.40 -0.78 -1.36	18.68 -0.41 -1.11	16.94 -0.14 -1.12
DUNKIRK___2 23564	14.10 -0.30 -1.23	13.90 -0.34 -1.08	13.74 -0.37 -0.95	13.75 -0.38 -0.98	13.74 -0.41 -1.01	17.63 -0.37 -0.34	21.65 -0.17 -0.56	23.02 -0.52 -1.05	23.32 -0.71 -0.37	21.55 -0.33 -0.01	20.93 -0.34 -0.01	21.08 -0.39 -0.01	19.20 -0.40 -0.50	19.79 -0.37 -0.56	19.70 -0.41 -0.76	20.12 -0.43 -1.12	19.92 -0.49 -1.64	22.21 -0.73 -2.09	24.00 -0.97 -3.00	25.16 -0.95 -2.34	24.95 -0.80 -2.30	23.40 -0.78 -1.36	18.68 -0.41 -1.11	16.94 -0.14 -1.12
DUNKIRK___3 23565	14.04 -0.36 -1.22	13.84 -0.39 -1.07	13.68 -0.42 -0.94	13.69 -0.43 -0.97	13.68 -0.46 -1.00	17.55 -0.44 -0.34	21.52 -0.30 -0.55	22.90 -0.63 -1.04	23.19 -0.83 -0.36	21.44 -0.44 -0.01	20.83 -0.45 -0.01	20.97 -0.49 -0.01	19.10 -0.50 -0.49	19.69 -0.47 -0.55	19.57 -0.52 -0.75	20.01 -0.52 -1.10	19.83 -0.56 -1.62	22.08 -0.83 -2.07	23.86 -1.08 -2.97	25.01 -1.07 -2.32	24.81 -0.91 -2.28	23.27 -0.89 -1.34	18.59 -0.49 -1.09	16.86 -0.21 -1.11
DUNKIRK___4 23566	14.04 -0.36 -1.22	13.84 -0.39 -1.07	13.68 -0.42 -0.94	13.69 -0.43 -0.97	13.68 -0.46 -1.00	17.55 -0.44 -0.34	21.52 -0.30 -0.55	22.90 -0.63 -1.04	23.19 -0.83 -0.36	21.44 -0.44 -0.01	20.83 -0.45 -0.01	20.97 -0.49 -0.01	19.10 -0.50 -0.49	19.69 -0.47 -0.55	19.57 -0.52 -0.75	20.01 -0.52 -1.10	19.83 -0.56 -1.62	22.08 -0.83 -2.07	23.86 -1.08 -2.97	25.01 -1.07 -2.32	24.81 -0.91 -2.28	23.27 -0.89 -1.34	18.59 -0.49 -1.09	16.86 -0.21 -1.11
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	21.10 0.83 -7.10	20.23 0.82 -6.25	19.41 0.79 -5.46	19.62 0.80 -5.67	19.76 0.79 -5.83	20.74 1.09 -1.99	25.76 1.28 -3.22	29.99 1.46 -6.04	27.53 1.75 -2.12	23.64 1.57 -0.20	23.04 1.57 -0.21	23.30 1.63 -0.22	23.72 1.51 -3.11	24.70 1.57 -3.53	25.68 1.59 -4.75	27.95 1.59 -6.93	30.27 1.46 -10.04	35.16 1.54 -12.77	41.65 1.67 -18.01	39.12 1.76 -13.59	38.55 1.74 -13.37	32.26 1.62 -7.82	25.57 1.20 -6.38	23.49 0.96 -6.57
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	20.81 0.78 -6.86	19.94 0.74 -6.04	19.16 0.72 -5.27	19.36 0.74 -5.47	19.50 0.74 -5.63	20.65 1.08 -1.92	25.63 1.25 -3.11	29.70 1.37 -5.84	27.32 1.61 -2.05	23.42 1.38 -0.17	22.82 1.38 -0.18	23.06 1.42 -0.19	23.41 1.34 -2.97	24.38 1.41 -3.37	25.29 1.41 -4.53	27.49 1.44 -6.62	29.71 1.33 -9.61	34.52 1.44 -12.24	40.76 1.49 -17.29	38.50 1.62 -13.11	37.94 1.59 -12.90	31.83 1.46 -7.55	25.24 1.10 -6.16	23.14 0.85 -6.33
E179THST_138_KV_TB4_REV_LBMP_J 345001	21.19 0.91 -7.10	20.30 0.88 -6.25	19.48 0.86 -5.46	19.67 0.85 -5.67	19.80 0.83 -5.84	20.72 1.08 -1.99	25.67 1.19 -3.22	29.97 1.44 -6.05	27.56 1.77 -2.13	23.64 1.57 -0.20	23.04 1.57 -0.21	23.33 1.65 -0.22	23.76 1.55 -3.11	24.76 1.63 -3.53	25.70 1.61 -4.75	27.97 1.61 -6.93	30.24 1.43 -10.04	35.08 1.46 -12.78	41.68 1.69 -18.01	39.12 1.76 -13.60	38.51 1.69 -13.37	32.24 1.60 -7.82	25.51 1.15 -6.38	23.45 0.91 -6.58
E179THST_13_KV_LOAD 356214	21.24 0.96 -7.10	20.35 0.93 -6.25	19.52 0.89 -5.46	19.71 0.89 -5.67	19.85 0.88 -5.84	20.77 1.13 -1.99	25.76 1.28 -3.22	30.09 1.55 -6.05	27.65 1.87 -2.13	23.73 1.66 -0.20	23.15 1.68 -0.21	23.43 1.76 -0.22	23.84 1.62 -3.11	24.86 1.73 -3.53	25.80 1.70 -4.75	28.07 1.71 -6.93	30.33 1.52 -10.04	35.18 1.56 -12.78	41.79 1.80 -18.01	39.24 1.88 -13.60	38.63 1.81 -13.37	32.36 1.71 -7.82	25.59 1.22 -6.38	23.52 0.99 -6.58
EAST HAMPTON___GT 23717	21.79 1.49 -7.13	22.21 1.54 -7.51	20.39 1.55 -5.68	20.39 1.55 -5.69	21.43 1.51 -6.78	21.93 2.08 -2.20	26.90 2.40 -3.23	31.31 2.77 -6.06	28.86 3.07 -2.13	24.93 2.86 -0.20	24.17 2.70 -0.20	24.38 2.70 -0.22	24.99 2.52 -3.37	25.95 2.53 -3.82	34.74 2.57 -12.82	31.33 2.64 -9.26	32.53 2.50 -11.26	39.24 2.73 -15.67	46.42 2.81 -21.63	43.97 3.14 -17.06	45.91 3.07 -19.39	36.59 2.85 -10.91	29.75 2.23 -9.54	24.90 1.85 -7.09
EAST RIVER___6 23660	21.20 0.90 -7.13	20.33 0.90 -6.28	19.53 0.88 -5.48	19.74 0.89 -5.69	19.85 0.85 -5.86	20.85 1.20 -1.99	25.88 1.38 -3.23	30.16 1.62 -6.05	27.77 1.99 -2.13	23.84 1.77 -0.20	23.25 1.79 -0.20	23.54 1.87 -0.22	24.20 1.74 -3.36	25.23 1.80 -3.82	26.24 1.76 -5.13	28.67 1.75 -7.49	31.19 1.58 -10.84	36.28 1.65 -13.79	43.25 1.85 -19.43	40.34 1.92 -14.65	39.71 1.85 -14.41	33.01 1.76 -8.43	26.13 1.28 -6.87	24.18 1.13 -7.09



EAST RIVER___7 23524	21.20 0.90 -7.13	20.33 0.90 -6.28	19.53 0.88 -5.48	19.74 0.89 -5.69	19.85 0.85 -5.86	20.85 1.20 -1.99	25.88 1.38 -3.23	30.16 1.62 -6.05	27.77 1.99 -2.13	23.84 1.77 -0.20	23.25 1.79 -0.20	23.54 1.87 -0.22	24.20 1.74 -3.36	25.23 1.80 -3.82	26.24 1.76 -5.13	28.67 1.75 -7.49	31.19 1.58 -10.84	36.28 1.65 -13.79	43.25 1.85 -19.43	40.34 1.92 -14.65	39.71 1.85 -14.41	33.01 1.76 -8.43	26.13 1.28 -6.87	24.18 1.13 -7.09
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	21.07 0.80 -7.10	20.20 0.79 -6.25	19.39 0.78 -5.46	19.59 0.78 -5.67	19.73 0.76 -5.83	20.70 1.06 -1.98	25.71 1.23 -3.21	29.95 1.42 -6.04	27.46 1.68 -2.12	23.58 1.51 -0.19	22.98 1.51 -0.20	23.24 1.57 -0.22	23.68 1.47 -3.11	24.66 1.53 -3.53	25.61 1.53 -4.74	27.89 1.53 -6.92	30.21 1.41 -10.03	35.10 1.50 -12.76	41.57 1.60 -17.99	39.06 1.71 -13.58	38.47 1.66 -13.36	32.21 1.57 -7.82	25.53 1.17 -6.37	23.45 0.93 -6.57
EAST_HAMPTON___DIESEL 23722	21.79 1.49 -7.13	22.21 1.54 -7.51	20.41 1.57 -5.68	20.39 1.55 -5.69	21.43 1.51 -6.78	21.93 2.08 -2.20	26.90 2.40 -3.23	31.31 2.77 -6.06	28.88 3.10 -2.13	24.93 2.86 -0.20	24.17 2.70 -0.20	24.38 2.70 -0.22	25.01 2.54 -3.37	25.97 2.55 -3.82	34.76 2.59 -12.82	31.33 2.64 -9.26	32.55 2.52 -11.26	39.24 2.73 -15.67	46.42 2.81 -21.63	43.97 3.14 -17.06	45.91 3.07 -19.39	36.59 2.85 -10.91	29.75 2.23 -9.54	24.91 1.87 -7.09
EAST_PULASKI___ESR 323781	13.42 -0.36 -0.60	13.32 -0.37 -0.53	13.24 -0.38 -0.46	13.23 -0.39 -0.48	13.23 -0.39 -0.49	17.36 -0.46 -0.17	21.05 -0.49 -0.27	22.41 -0.58 -0.51	23.13 -0.71 -0.18	21.20 -0.68 0.00	20.61 -0.66 0.00	20.81 -0.64 0.00	18.77 -0.57 -0.24	19.31 -0.57 -0.27	19.13 -0.58 -0.37	19.37 -0.60 -0.54	19.00 -0.56 -0.80	21.23 -0.63 -1.02	22.82 -0.62 -1.46	24.38 -0.52 -1.14	24.07 -0.49 -1.12	23.00 -0.48 -0.66	18.09 -0.43 -0.54	16.14 -0.37 -0.55
EAST_RIVER___1 323558	21.20 0.90 -7.13	20.32 0.88 -6.28	19.51 0.87 -5.48	19.72 0.88 -5.69	19.82 0.83 -5.86	20.83 1.18 -1.99	25.86 1.36 -3.23	30.14 1.60 -6.05	27.70 1.92 -2.13	23.80 1.73 -0.20	23.19 1.72 -0.20	23.48 1.80 -0.22	24.15 1.68 -3.36	25.15 1.73 -3.82	26.18 1.70 -5.13	28.63 1.71 -7.49	31.17 1.56 -10.84	36.26 1.63 -13.79	43.21 1.80 -19.43	40.29 1.88 -14.65	39.66 1.81 -14.41	32.96 1.71 -8.43	26.11 1.26 -6.87	24.15 1.10 -7.09
EAST_RIVER___2 323559	21.20 0.90 -7.13	20.33 0.90 -6.28	19.53 0.88 -5.48	19.74 0.89 -5.69	19.85 0.85 -5.86	20.85 1.20 -1.99	25.88 1.38 -3.23	30.16 1.62 -6.05	27.77 1.99 -2.13	23.84 1.77 -0.20	23.25 1.79 -0.20	23.54 1.87 -0.22	24.20 1.74 -3.36	25.23 1.80 -3.82	26.24 1.76 -5.13	28.67 1.75 -7.49	31.19 1.58 -10.84	36.28 1.65 -13.79	43.25 1.85 -19.43	40.34 1.92 -14.65	39.71 1.85 -14.41	33.01 1.76 -8.43	26.13 1.28 -6.87	24.18 1.13 -7.09
EAST___DELAWARE_HYD 23607	20.28 0.97 -6.13	19.44 0.88 -5.40	18.76 0.88 -4.71	18.92 0.88 -4.90	19.08 0.91 -5.04	20.75 1.38 -1.71	25.53 1.49 -2.78	29.22 1.64 -5.09	27.29 1.85 -1.79	23.48 1.51 -0.10	22.91 1.55 -0.09	23.10 1.55 -0.10	22.98 1.34 -2.55	23.86 1.39 -2.87	24.62 1.39 -3.88	26.54 1.42 -5.69	28.40 1.33 -8.30	32.93 1.50 -10.59	38.60 1.56 -15.07	37.07 1.69 -11.61	36.56 1.69 -11.42	31.06 1.53 -6.71	24.59 1.13 -5.47	22.47 0.93 -5.59
EIGHT_POINT___WT_PWR 323820	14.71 0.05 -1.48	14.48 0.01 -1.30	14.34 0.04 -1.14	14.29 -0.04 -1.18	14.30 -0.05 -1.21	18.19 0.12 -0.41	22.30 0.36 -0.67	23.93 0.16 -1.28	24.11 0.00 -0.45	22.05 0.17 0.00	21.39 0.13 0.00	21.56 0.11 0.00	19.68 0.00 -0.58	20.27 0.02 -0.65	20.25 0.02 -0.88	20.75 0.02 -1.30	20.72 0.04 -1.92	23.24 -0.06 -2.46	25.36 -0.15 -3.54	26.52 -0.05 -2.80	26.21 0.00 -2.76	24.47 0.02 -1.63	19.39 0.07 -1.33	17.52 0.22 -1.34
ELBRIDGE_115KV_TB2 80188	13.83 -0.20 -0.85	13.69 -0.22 -0.75	13.58 -0.24 -0.66	13.58 -0.25 -0.68	13.57 -0.26 -0.70	17.65 -0.25 -0.24	21.48 -0.17 -0.39	22.97 -0.25 -0.73	23.58 -0.33 -0.26	21.62 -0.26 -0.01	20.97 -0.30 -0.01	21.18 -0.28 -0.01	19.20 -0.25 -0.35	19.77 -0.22 -0.39	19.64 -0.23 -0.53	19.97 -0.23 -0.77	19.70 -0.21 -1.13	22.00 -0.29 -1.45	23.72 -0.33 -2.08	25.10 -0.29 -1.62	24.76 -0.28 -1.60	23.51 -0.25 -0.94	18.52 -0.23 -0.77	16.56 -0.18 -0.78
ELEC_TRO_TEK 24086	21.32 1.04 -7.10	21.69 1.04 -7.49	19.83 1.01 -5.66	19.85 1.03 -5.67	20.90 1.00 -6.76	21.24 1.39 -2.19	26.12 1.64 -3.22	30.38 1.84 -6.05	27.91 2.13 -2.13	24.01 1.95 -0.20	23.34 1.87 -0.21	23.56 1.89 -0.22	23.97 1.76 -3.12	24.96 1.82 -3.54	33.64 1.86 -12.44	29.98 1.85 -8.70	30.92 1.69 -10.46	37.29 1.79 -14.65	44.05 1.87 -20.21	41.84 2.07 -16.01	43.85 2.04 -18.36	35.07 1.94 -10.31	28.53 1.49 -9.05	23.73 1.20 -6.58
ELLENBURG_WT_PWR 323604	12.92 -0.25 0.00	12.94 -0.22 0.00	13.03 -0.13 0.00	13.08 -0.07 0.00	13.21 0.08 0.00	17.67 0.02 0.00	21.35 0.09 0.00	22.76 0.27 0.00	23.87 0.21 0.00	22.11 0.24 0.00	21.48 0.21 0.00	21.49 0.04 0.00	19.18 0.08 0.00	19.54 -0.06 0.00	19.29 -0.06 0.00	19.35 -0.08 0.00	18.66 -0.11 0.00	20.88 0.04 0.00	22.15 0.17 0.00	23.91 0.14 0.00	23.61 0.17 0.00	22.98 0.16 0.00	18.08 0.09 0.00	16.09 0.13 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	13.85 -0.51 -1.19	13.63 -0.58 -1.05	13.47 -0.61 -0.92	13.48 -0.62 -0.95	13.48 -0.63 -0.98	17.25 -0.74 -0.33	21.13 -0.68 -0.54	22.38 -1.12 -1.01	22.66 -1.35 -0.36	20.92 -0.96 -0.01	20.29 -0.98 -0.01	20.43 -1.03 -0.01	18.69 -0.90 -0.48	19.26 -0.88 -0.54	19.17 -0.91 -0.73	19.58 -0.93 -1.08	19.45 -0.90 -1.59	21.66 -1.21 -2.02	23.40 -1.47 -2.90	24.51 -1.52 -2.26	24.32 -1.36 -2.23	22.86 -1.28 -1.31	18.26 -0.79 -1.07	16.61 -0.43 -1.09
EMPIRE_CC_1 323656	22.52 0.41 -8.93	21.44 0.41 -7.87	20.44 0.41 -6.87	20.69 0.41 -7.13	20.88 0.41 -7.34	20.72 0.56 -2.50	26.06 0.74 -4.05	30.81 0.72 -7.60	27.20 0.88 -2.67	22.26 0.74 0.36	21.59 0.70 0.38	21.79 0.75 0.41	22.80 0.69 -3.02	23.54 0.69 -3.25	24.63 0.70 -4.59	27.02 0.70 -6.89	29.94 0.67 -10.49	35.18 0.77 -13.57	43.04 0.79 -20.28	41.90 0.88 -17.25	41.30 0.87 -16.99	33.80 0.82 -10.16	26.93 0.67 -8.28	24.57 0.51 -8.10
EMPIRE_CC_2 323658	22.52 0.41 -8.93	21.44 0.41 -7.87	20.44 0.41 -6.87	20.69 0.41 -7.13	20.88 0.41 -7.34	20.72 0.56 -2.50	26.06 0.74 -4.05	30.81 0.72 -7.60	27.20 0.88 -2.67	22.26 0.74 0.36	21.59 0.70 0.38	21.79 0.75 0.41	22.80 0.69 -3.02	23.54 0.69 -3.25	24.63 0.70 -4.59	27.02 0.70 -6.89	29.94 0.67 -10.49	35.18 0.77 -13.57	43.04 0.79 -20.28	41.90 0.88 -17.25	41.30 0.87 -16.99	33.80 0.82 -10.16	26.93 0.67 -8.28	24.57 0.51 -8.10
ENORWICH_115KV_TB1 80156	16.28 0.78 -2.32	15.97 0.76 -2.05	15.70 0.75 -1.79	15.73 0.72 -1.86	15.75 0.71 -1.91	19.52 1.22 -0.65	23.70 1.38 -1.05	26.94 2.47 -1.98	26.46 2.11 -0.70	23.59 1.68 -0.03	22.60 1.30 -0.04	22.61 1.12 -0.04	20.89 0.82 -0.97	21.56 0.86 -1.09	21.60 0.77 -1.48	22.45 0.85 -2.17	22.94 1.01 -3.16	26.46 1.58 -4.03	29.96 2.24 -5.74	31.17 2.97 -4.43	30.64 2.84 -4.36	27.98 2.60 -2.56	21.85 1.78 -2.09	19.56 1.47 -2.13



ERIE_ST__34_KV_TB1-2 80199	13.83 -0.57 -1.22	13.62 -0.62 -1.08	13.45 -0.66 -0.94	13.47 -0.66 -0.98	13.46 -0.68 -1.01	17.22 -0.78 -0.34	21.10 -0.72 -0.55	22.45 -1.08 -1.04	22.75 -1.28 -0.37	21.25 -0.63 -0.01	20.66 -0.62 -0.01	20.80 -0.66 -0.01	18.76 -0.84 -0.50	19.34 -0.82 -0.56	19.27 -0.83 -0.76	19.70 -0.84 -1.11	19.55 -0.84 -1.63	21.80 -1.13 -2.08	23.57 -1.38 -2.98	24.69 -1.40 -2.33	24.50 -1.24 -2.29	22.94 -1.23 -1.35	18.31 -0.77 -1.10	16.60 -0.48 -1.12
ERIE_WT_PWR 323693	13.92 -0.47 -1.22	13.71 -0.53 -1.08	13.60 -0.50 -0.94	13.55 -0.58 -0.98	13.55 -0.59 -1.00	17.31 -0.69 -0.34	21.20 -0.62 -0.55	22.53 -1.01 -1.06	22.80 -1.23 -0.37	21.06 -0.81 0.00	20.45 -0.81 0.00	20.59 -0.86 0.00	18.76 -0.82 -0.48	19.33 -0.80 -0.53	19.26 -0.81 -0.73	19.67 -0.83 -1.08	19.53 -0.83 -1.59	21.77 -1.11 -2.03	23.52 -1.38 -2.93	24.68 -1.40 -2.32	24.49 -1.24 -2.28	23.01 -1.16 -1.35	18.36 -0.72 -1.10	16.72 -0.35 -1.11
ESPRGFLD_115KV_TB1 80157	12.32 0.71 1.56	12.48 0.70 1.38	12.63 0.67 1.20	12.57 0.67 1.25	12.52 0.67 1.28	18.24 1.02 0.44	21.79 1.23 0.71	22.51 1.35 1.33	24.54 1.35 0.47	23.00 1.18 0.05	22.34 1.13 0.05	22.49 1.09 0.06	19.32 0.92 0.70	19.79 0.98 0.79	19.23 0.95 1.06	18.87 0.99 1.55	17.53 0.99 2.23	19.17 1.17 2.84	19.30 1.32 3.99	22.32 1.54 2.99	22.02 1.52 2.95	22.63 1.53 1.72	17.68 1.10 1.40	15.43 0.93 1.45
ETNA_115_KV_TB1_REV_LBMP_C 345029	15.02 0.17 -1.68	14.78 0.14 -1.48	14.58 0.13 -1.29	14.61 0.12 -1.34	14.62 0.11 -1.38	18.41 0.28 -0.47	22.45 0.43 -0.76	24.23 0.31 -1.43	24.39 0.24 -0.50	22.12 0.24 -0.01	21.45 0.17 -0.01	21.64 0.17 -0.01	19.89 0.11 -0.68	20.50 0.14 -0.76	20.51 0.14 -1.03	21.10 0.16 -1.51	21.18 0.19 -2.22	23.87 0.19 -2.84	26.27 0.22 -4.07	27.28 0.33 -3.19	26.89 0.30 -3.13	24.99 0.32 -1.85	19.69 0.20 -1.51	17.66 0.18 -1.53
ETNA____115KV_TB2 80207	15.02 0.17 -1.68	14.78 0.14 -1.48	14.58 0.13 -1.29	14.61 0.12 -1.34	14.62 0.11 -1.38	18.41 0.28 -0.47	22.45 0.43 -0.76	24.23 0.31 -1.43	24.39 0.24 -0.50	22.12 0.24 -0.01	21.45 0.17 -0.01	21.64 0.17 -0.01	19.89 0.11 -0.68	20.50 0.14 -0.76	20.51 0.14 -1.03	21.10 0.16 -1.51	21.18 0.19 -2.22	23.87 0.19 -2.84	26.27 0.22 -4.07	27.28 0.33 -3.19	26.89 0.30 -3.13	24.99 0.32 -1.85	19.69 0.20 -1.51	17.66 0.18 -1.53
EUCLID____115KV_TB2 356179	13.57 -0.28 -0.67	13.45 -0.30 -0.59	13.36 -0.32 -0.52	13.36 -0.33 -0.54	13.35 -0.34 -0.55	17.47 -0.37 -0.19	21.19 -0.38 -0.30	22.61 -0.45 -0.57	23.34 -0.52 -0.20	21.40 -0.48 -0.01	20.80 -0.47 -0.01	21.01 -0.45 -0.01	18.99 -0.38 -0.27	19.54 -0.37 -0.31	19.39 -0.37 -0.41	19.67 -0.37 -0.61	19.31 -0.36 -0.90	21.55 -0.44 -1.14	23.13 -0.48 -1.64	24.59 -0.45 -1.28	24.24 -0.47 -1.26	23.13 -0.43 -0.74	18.23 -0.36 -0.60	16.27 -0.30 -0.61
E_CANADA_CAP_HY 24051	25.91 0.86 -11.88	24.46 0.84 -10.46	23.13 0.83 -9.13	23.45 0.82 -9.48	23.72 0.83 -9.76	22.18 1.20 -3.32	28.05 1.40 -5.38	34.14 1.51 -10.14	28.76 1.54 -3.57	23.03 1.29 0.13	22.38 1.25 0.14	22.55 1.24 0.15	24.69 1.07 -4.52	25.74 1.14 -5.00	27.33 1.10 -6.88	30.75 1.13 -10.19	35.08 1.16 -15.15	41.68 1.40 -19.44	51.82 1.56 -28.28	48.42 1.83 -22.82	47.74 1.83 -22.47	38.02 1.89 -13.31	30.24 1.40 -10.85	28.01 1.20 -10.85
E_CANADA_MHWK_HY 24050	13.07 -0.11 0.00	13.04 -0.12 0.00	13.04 -0.12 0.00	13.02 -0.13 0.00	12.99 -0.14 0.00	17.50 -0.16 0.00	21.03 -0.23 0.00	22.22 -0.27 0.00	23.40 -0.26 0.00	21.57 -0.31 0.00	20.92 -0.34 0.00	21.07 -0.39 0.00	18.72 -0.38 0.00	19.21 -0.39 0.00	18.94 -0.41 0.00	19.04 -0.39 0.00	18.41 -0.36 0.00	20.47 -0.37 0.00	21.62 -0.35 0.00	23.43 -0.33 0.00	23.10 -0.35 0.00	22.50 -0.32 0.00	17.75 -0.23 0.00	15.77 -0.19 0.00
E_FISHKILL____LBMP 23776	21.15 0.69 -7.29	20.25 0.67 -6.42	19.44 0.67 -5.61	19.64 0.67 -5.82	19.78 0.66 -5.99	20.61 0.92 -2.04	25.65 1.08 -3.30	29.89 1.19 -6.21	27.28 1.44 -2.18	23.37 1.29 -0.20	22.75 1.28 -0.21	23.01 1.33 -0.23	23.54 1.24 -3.20	24.53 1.29 -3.63	25.52 1.30 -4.88	27.86 1.30 -7.12	30.29 1.20 -10.32	35.24 1.27 -13.13	41.86 1.38 -18.50	39.20 1.47 -13.96	38.61 1.43 -13.73	32.20 1.35 -8.03	25.54 1.01 -6.55	23.51 0.80 -6.75
FALCON____SEABRD_CC1 323796	13.02 -0.16 0.00	13.04 -0.12 0.00	13.12 -0.04 0.00	13.19 0.04 0.00	13.32 0.18 0.00	17.83 0.18 0.00	21.54 0.28 0.00	23.21 0.72 0.00	24.34 0.69 0.00	22.57 0.70 0.00	21.92 0.66 0.00	21.92 0.47 0.00	19.56 0.46 0.00	19.90 0.29 0.00	19.65 0.31 0.00	19.72 0.29 0.00	19.01 0.24 0.00	21.34 0.50 0.00	22.63 0.66 0.00	24.43 0.66 0.00	24.13 0.68 0.00	23.46 0.64 0.00	18.45 0.47 0.00	16.39 0.43 0.00
FALCON____SEABRD_CC2 323797	13.02 -0.16 0.00	13.04 -0.12 0.00	13.12 -0.04 0.00	13.19 0.04 0.00	13.32 0.18 0.00	17.83 0.18 0.00	21.54 0.28 0.00	23.21 0.72 0.00	24.34 0.69 0.00	22.57 0.70 0.00	21.92 0.66 0.00	21.92 0.47 0.00	19.56 0.46 0.00	19.90 0.29 0.00	19.65 0.31 0.00	19.72 0.29 0.00	19.01 0.24 0.00	21.34 0.50 0.00	22.63 0.66 0.00	24.43 0.66 0.00	24.13 0.68 0.00	23.46 0.64 0.00	18.45 0.47 0.00	16.39 0.43 0.00
FAR ROCKAWAY____4 23548	21.49 1.21 -7.10	21.85 1.20 -7.49	19.99 1.17 -5.66	19.99 1.17 -5.67	21.05 1.16 -6.76	21.45 1.61 -2.19	26.29 1.81 -3.22	30.60 2.07 -6.05	28.17 2.39 -2.13	24.23 2.17 -0.20	23.53 2.06 -0.21	23.76 2.08 -0.22	24.15 1.93 -3.12	25.12 1.98 -3.54	33.80 2.01 -12.44	30.17 2.04 -8.70	31.15 1.91 -10.46	37.54 2.04 -14.65	44.12 1.93 -20.21	41.92 2.14 -16.01	43.92 2.11 -18.36	35.32 2.19 -10.31	28.71 1.67 -9.05	23.86 1.32 -6.58
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	21.17 0.90 -7.10	20.31 0.89 -6.25	19.50 0.88 -5.46	19.70 0.88 -5.67	19.82 0.85 -5.84	20.84 1.20 -1.99	25.87 1.38 -3.22	30.15 1.62 -6.04	27.72 1.94 -2.13	23.82 1.75 -0.20	23.19 1.72 -0.21	23.48 1.80 -0.22	23.90 1.68 -3.11	24.86 1.73 -3.53	25.82 1.72 -4.75	28.09 1.73 -6.93	30.37 1.56 -10.04	35.24 1.63 -12.77	41.79 1.80 -18.01	39.26 1.90 -13.60	38.65 1.83 -13.37	32.40 1.76 -7.82	25.64 1.28 -6.38	23.56 1.02 -6.58
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	21.17 0.90 -7.10	20.31 0.89 -6.25	19.50 0.88 -5.46	19.70 0.88 -5.67	19.82 0.85 -5.84	20.84 1.20 -1.99	25.84 1.36 -3.22	30.13 1.60 -6.04	27.70 1.92 -2.13	23.80 1.73 -0.20	23.19 1.72 -0.21	23.48 1.80 -0.22	23.88 1.66 -3.11	24.86 1.73 -3.53	25.80 1.70 -4.75	28.07 1.71 -6.93	30.37 1.56 -10.04	35.24 1.63 -12.77	41.79 1.80 -18.01	39.26 1.90 -13.60	38.65 1.83 -13.37	32.38 1.73 -7.82	25.64 1.28 -6.38	23.56 1.02 -6.58
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	21.16 0.88 -7.10	20.30 0.88 -6.25	19.49 0.87 -5.46	19.69 0.87 -5.67	19.81 0.84 -5.84	20.82 1.18 -1.99	25.84 1.36 -3.22	30.11 1.57 -6.04	27.70 1.92 -2.13	23.80 1.73 -0.20	23.17 1.70 -0.21	23.45 1.78 -0.22	23.88 1.66 -3.11	24.84 1.71 -3.53	25.78 1.68 -4.75	28.05 1.69 -6.93	30.35 1.54 -10.04	35.22 1.60 -12.77	41.76 1.78 -18.01	39.22 1.85 -13.60	38.63 1.81 -13.37	32.36 1.71 -7.82	25.62 1.26 -6.38	23.54 1.01 -6.58



FARRAGUT___LBMP 323566	21.16 0.88 -7.10	20.28 0.87 -6.25	19.48 0.86 -5.46	19.69 0.87 -5.67	19.81 0.84 -5.84	20.81 1.17 -1.99	25.82 1.34 -3.22	30.11 1.57 -6.04	27.67 1.89 -2.13	23.77 1.71 -0.20	23.17 1.70 -0.21	23.43 1.76 -0.22	23.86 1.64 -3.11	24.82 1.69 -3.53	25.78 1.68 -4.75	28.05 1.69 -6.93	30.33 1.52 -10.04	35.20 1.58 -12.77	41.74 1.76 -18.01	39.22 1.85 -13.60	38.60 1.78 -13.37	32.36 1.71 -7.82	25.60 1.24 -6.38	23.52 0.99 -6.58
FENNER___WINDPWR 24204	14.16 0.09 -0.89	14.03 0.08 -0.79	13.94 0.09 -0.69	13.93 0.07 -0.71	13.92 0.05 -0.73	18.08 0.18 -0.25	21.88 0.21 -0.40	23.47 0.22 -0.76	24.07 0.14 -0.27	22.00 0.13 0.00	21.35 0.09 0.00	21.54 0.09 0.00	19.50 0.06 -0.34	20.09 0.10 -0.38	19.95 0.08 -0.52	20.30 0.10 -0.77	20.04 0.13 -1.14	22.47 0.17 -1.46	24.30 0.22 -2.10	25.76 0.33 -1.66	25.39 0.30 -1.64	24.08 0.30 -0.97	18.93 0.16 -0.79	16.88 0.13 -0.80
FIBERTEK___ENERGY 23856	13.83 -0.16 -0.81	13.69 -0.18 -0.71	13.59 -0.20 -0.62	13.59 -0.21 -0.65	13.58 -0.22 -0.67	17.69 -0.19 -0.23	21.51 -0.13 -0.37	22.98 -0.20 -0.69	23.61 -0.28 -0.24	21.66 -0.22 -0.01	21.04 -0.23 -0.01	21.24 -0.21 -0.01	19.24 -0.19 -0.33	19.79 -0.18 -0.37	19.67 -0.17 -0.50	19.99 -0.17 -0.73	19.69 -0.15 -1.08	21.99 -0.23 -1.38	23.68 -0.26 -1.97	25.09 -0.21 -1.54	24.75 -0.21 -1.52	23.53 -0.18 -0.89	18.53 -0.18 -0.73	16.54 -0.16 -0.74
FITZPATRICK____ 23598	13.27 -0.47 -0.57	13.17 -0.49 -0.50	13.11 -0.49 -0.43	13.09 -0.51 -0.45	13.09 -0.51 -0.46	17.18 -0.63 -0.16	20.82 -0.70 -0.26	22.19 -0.79 -0.49	22.95 -0.87 -0.17	21.06 -0.81 0.00	20.48 -0.79 0.00	20.66 -0.79 0.00	18.63 -0.69 -0.22	19.16 -0.69 -0.25	18.99 -0.70 -0.34	19.23 -0.70 -0.50	18.84 -0.66 -0.73	21.01 -0.77 -0.94	22.49 -0.83 -1.35	23.98 -0.85 -1.07	23.66 -0.84 -1.05	22.64 -0.80 -0.62	17.84 -0.65 -0.51	15.93 -0.54 -0.51
FLOWRFLD_69_KV_BK1 356044	21.48 1.20 -7.10	21.87 1.22 -7.49	20.03 1.21 -5.66	20.03 1.21 -5.67	21.09 1.20 -6.76	21.49 1.64 -2.19	26.44 1.96 -3.22	30.76 2.23 -6.05	28.29 2.51 -2.13	24.36 2.30 -0.20	23.64 2.17 -0.21	23.86 2.19 -0.22	24.24 2.02 -3.12	25.26 2.12 -3.54	33.93 2.15 -12.44	30.31 2.18 -8.70	31.28 2.05 -10.46	37.66 2.17 -14.65	44.36 2.18 -20.21	42.22 2.45 -16.01	44.20 2.39 -18.36	35.46 2.33 -10.31	28.89 1.85 -9.05	23.97 1.44 -6.58
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	21.24 0.83 -7.24	20.31 0.78 -6.37	19.49 0.76 -5.57	19.70 0.78 -5.78	19.87 0.79 -5.95	20.83 1.15 -2.02	25.89 1.34 -3.28	30.11 1.46 -6.16	27.53 1.70 -2.17	23.50 1.44 -0.19	22.92 1.47 -0.19	23.16 1.50 -0.21	23.64 1.39 -3.15	24.62 1.45 -3.57	25.62 1.47 -4.80	27.94 1.50 -7.01	30.35 1.41 -10.17	35.33 1.54 -12.95	41.84 1.58 -18.28	39.32 1.71 -13.85	38.78 1.71 -13.62	32.37 1.57 -7.97	25.65 1.17 -6.50	23.56 0.91 -6.69
FORT ORANGE____ 23900	22.66 0.25 -9.23	21.53 0.24 -8.13	20.50 0.24 -7.10	20.76 0.24 -7.37	20.98 0.26 -7.59	20.62 0.39 -2.58	25.96 0.51 -4.18	30.81 0.47 -7.85	27.03 0.61 -2.76	22.18 0.50 0.19	21.55 0.49 0.20	21.77 0.54 0.22	23.00 0.50 -3.40	23.85 0.51 -3.74	25.05 0.52 -5.18	27.66 0.52 -7.71	30.83 0.52 -11.54	36.29 0.60 -14.84	44.34 0.59 -21.77	42.29 0.66 -17.86	41.69 0.66 -17.59	33.89 0.62 -10.45	26.99 0.49 -8.52	24.77 0.35 -8.46
FORT_DRUM_COGEN 23780	13.21 -0.37 -0.40	13.13 -0.38 -0.35	13.10 -0.37 -0.31	13.09 -0.38 -0.32	13.10 -0.37 -0.33	17.34 -0.42 -0.11	20.98 -0.47 -0.18	22.40 -0.43 -0.34	23.09 -0.69 -0.12	21.11 -0.77 0.00	20.50 -0.77 0.00	20.66 -0.79 0.00	18.54 -0.73 -0.16	19.06 -0.73 -0.18	18.84 -0.75 -0.25	19.03 -0.76 -0.36	18.64 -0.66 -0.53	20.96 -0.56 -0.68	22.57 -0.37 -0.97	24.31 -0.21 -0.76	23.96 -0.23 -0.75	22.97 -0.30 -0.44	17.98 -0.36 -0.36	15.99 -0.34 -0.36
FPL_FAR_ROCK_GT1 24212	21.52 1.21 -7.13	21.87 1.20 -7.51	20.01 1.17 -5.68	20.01 1.17 -5.69	21.06 1.14 -6.78	21.46 1.61 -2.20	26.30 1.81 -3.23	30.61 2.07 -6.06	28.17 2.39 -2.13	24.23 2.17 -0.20	23.53 2.06 -0.20	23.78 2.10 -0.22	24.43 1.97 -3.37	25.40 1.98 -3.82	34.18 2.01 -12.82	30.73 2.04 -9.26	31.95 1.92 -11.26	38.55 2.04 -15.67	45.54 1.93 -21.63	42.97 2.14 -17.06	44.95 2.11 -19.39	35.93 2.19 -10.91	29.20 1.67 -9.54	24.45 1.40 -7.09
FPL_FAR_ROCK_GT2 23815	21.52 1.21 -7.13	21.87 1.20 -7.51	20.01 1.17 -5.68	20.01 1.17 -5.69	21.06 1.14 -6.78	21.46 1.61 -2.20	26.30 1.81 -3.23	30.61 2.07 -6.06	28.17 2.39 -2.13	24.23 2.17 -0.20	23.53 2.06 -0.20	23.78 2.10 -0.22	24.43 1.97 -3.37	25.40 1.98 -3.82	34.18 2.01 -12.82	30.73 2.04 -9.26	31.95 1.92 -11.26	38.55 2.04 -15.67	45.54 1.93 -21.63	42.97 2.14 -17.06	44.95 2.11 -19.39	35.93 2.19 -10.91	29.20 1.67 -9.54	24.45 1.40 -7.09
FRANKLIN_FALL_HYD 24054	12.99 -0.25 -0.07	13.00 -0.22 -0.06	13.07 -0.14 -0.05	13.11 -0.09 -0.05	13.24 0.05 -0.05	17.62 -0.05 -0.02	21.25 -0.04 -0.03	22.66 0.11 -0.06	23.68 0.00 -0.02	21.94 0.07 0.00	21.31 0.04 0.00	21.34 -0.11 0.00	19.05 -0.08 -0.03	19.40 -0.24 -0.03	19.19 -0.19 -0.04	19.27 -0.21 -0.06	18.61 -0.24 -0.09	20.91 -0.04 -0.11	22.22 0.09 -0.16	23.92 0.02 -0.13	23.64 0.07 -0.12	22.94 0.05 -0.07	18.03 -0.02 -0.06	16.07 0.05 -0.06
FREEPORT_EQUS_GT1 23764	21.44 1.13 -7.13	21.79 1.12 -7.51	19.95 1.11 -5.68	19.95 1.10 -5.69	21.00 1.08 -6.78	21.35 1.50 -2.20	26.24 1.74 -3.23	30.52 1.98 -6.06	28.08 2.29 -2.13	24.15 2.08 -0.20	23.45 1.98 -0.20	23.69 2.02 -0.22	24.38 1.91 -3.37	25.33 1.90 -3.82	34.12 1.95 -12.82	30.65 1.96 -9.26	31.81 1.78 -11.26	38.43 1.92 -15.67	45.58 1.98 -21.63	43.04 2.21 -17.06	45.02 2.18 -19.39	35.79 2.05 -10.91	29.14 1.62 -9.54	24.40 1.36 -7.09
FREEPORT___CT2 23818	21.44 1.13 -7.13	21.79 1.12 -7.51	19.95 1.11 -5.68	19.95 1.10 -5.69	21.00 1.08 -6.78	21.35 1.50 -2.20	26.24 1.74 -3.23	30.52 1.98 -6.06	28.08 2.29 -2.13	24.15 2.08 -0.20	23.45 1.98 -0.20	23.69 2.02 -0.22	24.38 1.91 -3.37	25.33 1.90 -3.82	34.12 1.95 -12.82	30.65 1.96 -9.26	31.81 1.78 -11.26	38.43 1.92 -15.67	45.58 1.98 -21.63	43.04 2.21 -17.06	45.02 2.18 -19.39	35.79 2.05 -10.91	29.14 1.62 -9.54	24.40 1.36 -7.09
FRESHKLS_33_KV_LOAD 356253	21.33 1.05 -7.10	20.43 1.01 -6.25	19.61 0.99 -5.46	19.81 0.99 -5.67	19.94 0.97 -5.84	20.88 1.24 -1.99	25.84 1.36 -3.22	30.13 1.60 -6.05	27.63 1.85 -2.13	23.66 1.60 -0.20	23.11 1.64 -0.21	23.43 1.76 -0.22	23.88 1.66 -3.11	24.94 1.80 -3.53	25.89 1.80 -4.75	28.19 1.83 -6.93	30.33 1.52 -10.04	35.12 1.50 -12.78	41.81 1.82 -18.01	39.22 1.85 -13.60	38.60 1.78 -13.37	32.42 1.78 -7.82	25.77 1.40 -6.38	23.72 1.18 -6.58
FULTON COGEN____ 23766	13.47 -0.37 -0.66	13.35 -0.39 -0.58	13.26 -0.41 -0.51	13.25 -0.42 -0.53	13.24 -0.43 -0.54	17.35 -0.49 -0.18	21.08 -0.49 -0.30	22.49 -0.56 -0.56	23.19 -0.66 -0.20	21.26 -0.61 0.00	20.65 -0.62 -0.01	20.86 -0.60 -0.01	18.83 -0.53 -0.27	19.37 -0.53 -0.30	19.23 -0.52 -0.41	19.48 -0.54 -0.60	19.16 -0.49 -0.88	21.36 -0.60 -1.12	22.94 -0.64 -1.60	24.40 -0.62 -1.25	24.07 -0.61 -1.23	22.98 -0.57 -0.73	18.09 -0.49 -0.59	16.14 -0.41 -0.60



FULTON___LFGE 323630	25.49 1.16 -11.16	24.12 1.13 -9.83	22.83 1.09 -8.58	23.15 1.09 -8.91	23.42 1.12 -9.17	22.38 1.61 -3.12	28.13 1.81 -5.05	33.87 1.87 -9.52	28.94 1.94 -3.35	23.21 1.49 0.15	22.51 1.40 0.15	22.66 1.37 0.17	24.50 1.18 -4.21	25.51 1.26 -4.66	27.00 1.24 -6.42	30.26 1.32 -9.51	34.34 1.41 -14.17	40.78 1.75 -18.18	50.41 1.93 -26.50	47.54 2.30 -21.47	46.90 2.32 -21.13	37.59 2.24 -12.53	29.82 1.62 -10.21	27.51 1.36 -10.20
G.F.CEMENT___DRP 24184	23.55 0.54 -9.83	22.35 0.53 -8.66	21.21 0.49 -7.56	21.50 0.50 -7.85	21.73 0.51 -8.08	21.16 0.76 -2.75	26.87 1.15 -4.45	32.05 1.19 -8.37	27.85 1.25 -2.94	22.76 1.05 0.16	22.03 0.94 0.17	22.28 1.01 0.18	23.55 0.88 -3.58	24.46 0.92 -3.94	25.31 0.52 -5.44	28.08 0.56 -8.09	31.52 0.68 -12.08	37.18 0.81 -15.52	45.47 0.79 -22.71	43.30 1.00 -18.53	42.75 1.06 -18.25	34.63 0.98 -10.83	27.84 1.03 -8.83	25.56 0.81 -8.79
GARDENVILLE___LBMP 24039	13.88 -0.50 -1.20	13.67 -0.55 -1.06	13.50 -0.59 -0.93	13.52 -0.59 -0.96	13.51 -0.62 -0.99	17.29 -0.71 -0.34	21.17 -0.64 -0.55	22.46 -1.06 -1.03	22.74 -1.28 -0.36	21.01 -0.87 -0.01	20.40 -0.87 -0.01	20.54 -0.92 -0.01	18.75 -0.84 -0.49	19.33 -0.82 -0.55	19.24 -0.85 -0.74	19.65 -0.87 -1.09	19.51 -0.86 -1.60	21.74 -1.15 -2.05	23.48 -1.43 -2.93	24.61 -1.45 -2.29	24.41 -1.29 -2.25	22.92 -1.23 -1.33	18.31 -0.76 -1.08	16.66 -0.40 -1.10
GARDNVLA_35_KV_LD 355827	13.90 -0.46 -1.18	13.69 -0.51 -1.04	13.52 -0.55 -0.91	13.53 -0.57 -0.95	13.53 -0.58 -0.97	17.33 -0.65 -0.33	21.21 -0.60 -0.54	22.51 -0.99 -1.01	22.83 -1.18 -0.35	21.12 -0.77 -0.01	20.51 -0.77 -0.01	20.65 -0.82 -0.01	18.82 -0.76 -0.48	19.40 -0.74 -0.54	19.30 -0.77 -0.73	19.73 -0.78 -1.07	19.57 -0.77 -1.58	21.79 -1.06 -2.01	23.54 -1.32 -2.88	24.66 -1.35 -2.25	24.47 -1.20 -2.22	22.99 -1.14 -1.30	18.37 -0.68 -1.06	16.70 -0.34 -1.08
GELCKHM___115KV_LOAD 80723	13.66 -0.24 -0.72	13.53 -0.26 -0.63	13.44 -0.28 -0.55	13.43 -0.29 -0.58	13.43 -0.30 -0.59	17.54 -0.32 -0.20	21.32 -0.28 -0.33	22.74 -0.36 -0.61	23.45 -0.43 -0.22	21.51 -0.37 -0.01	20.91 -0.36 -0.01	21.09 -0.36 -0.01	19.09 -0.31 -0.29	19.64 -0.29 -0.33	19.50 -0.29 -0.44	19.79 -0.29 -0.65	19.46 -0.26 -0.96	21.71 -0.35 -1.22	23.33 -0.40 -1.75	24.78 -0.36 -1.37	24.42 -0.38 -1.35	23.30 -0.32 -0.79	18.34 -0.29 -0.65	16.36 -0.26 -0.66
GENERAL___MILLS 23808	13.89 -0.49 -1.20	13.68 -0.54 -1.06	13.52 -0.57 -0.92	13.53 -0.58 -0.96	13.52 -0.60 -0.99	17.30 -0.69 -0.34	21.19 -0.62 -0.54	22.48 -1.03 -1.02	22.76 -1.25 -0.36	21.07 -0.81 -0.01	20.44 -0.83 -0.01	20.58 -0.88 -0.01	18.77 -0.82 -0.49	19.35 -0.80 -0.55	19.25 -0.83 -0.74	19.68 -0.84 -1.09	19.54 -0.83 -1.60	21.76 -1.13 -2.04	23.52 -1.38 -2.93	24.63 -1.43 -2.29	24.43 -1.27 -2.25	22.96 -1.19 -1.32	18.35 -0.72 -1.08	16.67 -0.38 -1.10
GE_PLASTICS___DRP 24183	22.71 0.28 -9.26	21.59 0.28 -8.15	20.54 0.26 -7.12	20.80 0.26 -7.39	21.02 0.28 -7.61	20.63 0.39 -2.59	25.97 0.51 -4.19	30.86 0.49 -7.88	27.04 0.62 -2.77	22.27 0.52 0.12	21.64 0.51 0.13	21.87 0.56 0.14	23.03 0.52 -3.41	23.90 0.53 -3.76	25.06 0.52 -5.19	27.66 0.52 -7.70	30.76 0.51 -11.48	36.15 0.56 -14.74	44.06 0.57 -21.51	41.85 0.62 -17.47	41.27 0.63 -17.19	33.61 0.59 -10.20	26.76 0.47 -8.31	24.60 0.35 -8.29
GILBOA___1 23756	20.72 0.37 -7.18	19.84 0.36 -6.32	19.04 0.36 -5.52	19.24 0.36 -5.73	19.37 0.34 -5.90	20.14 0.48 -2.01	25.11 0.59 -3.25	29.21 0.61 -6.11	26.54 0.73 -2.15	22.51 0.63 0.00	21.90 0.64 0.00	22.12 0.67 0.00	22.56 0.59 -2.87	23.41 0.61 -3.20	24.32 0.60 -4.37	26.48 0.60 -6.45	28.87 0.58 -9.52	33.61 0.58 -12.18	40.10 0.57 -17.56	38.32 0.64 -13.91	37.77 0.63 -13.69	31.59 0.68 -8.08	25.09 0.52 -6.59	23.03 0.43 -6.64
GILBOA___2 23757	20.72 0.37 -7.18	19.84 0.36 -6.32	19.04 0.36 -5.52	19.24 0.36 -5.73	19.37 0.34 -5.90	20.14 0.48 -2.01	25.11 0.59 -3.25	29.21 0.61 -6.11	26.54 0.73 -2.15	22.51 0.63 0.00	21.90 0.64 0.00	22.12 0.67 0.00	22.56 0.59 -2.87	23.41 0.61 -3.20	24.32 0.60 -4.37	26.48 0.60 -6.45	28.87 0.58 -9.52	33.61 0.58 -12.18	40.10 0.57 -17.56	38.32 0.64 -13.91	37.77 0.63 -13.69	31.59 0.68 -8.08	25.09 0.52 -6.59	23.03 0.43 -6.64
GILBOA___3 23758	20.72 0.37 -7.18	19.84 0.36 -6.32	19.04 0.36 -5.52	19.24 0.36 -5.73	19.37 0.34 -5.90	20.14 0.48 -2.01	25.11 0.59 -3.25	29.21 0.61 -6.11	26.54 0.73 -2.15	22.51 0.63 0.00	21.90 0.64 0.00	22.12 0.67 0.00	22.56 0.59 -2.87	23.41 0.61 -3.20	24.32 0.60 -4.37	26.48 0.60 -6.45	28.87 0.58 -9.52	33.61 0.58 -12.18	40.10 0.57 -17.56	38.32 0.64 -13.91	37.77 0.63 -13.69	31.59 0.68 -8.08	25.09 0.52 -6.59	23.03 0.43 -6.64
GILBOA___4 23759	20.72 0.37 -7.18	19.84 0.36 -6.32	19.04 0.36 -5.52	19.24 0.36 -5.73	19.37 0.34 -5.90	20.14 0.48 -2.01	25.11 0.59 -3.25	29.21 0.61 -6.11	26.54 0.73 -2.15	22.51 0.63 0.00	21.90 0.64 0.00	22.12 0.67 0.00	22.56 0.59 -2.87	23.41 0.61 -3.20	24.32 0.60 -4.37	26.48 0.60 -6.45	28.87 0.58 -9.52	33.61 0.58 -12.18	40.10 0.57 -17.56	38.32 0.64 -13.91	37.77 0.63 -13.69	31.59 0.68 -8.08	25.09 0.52 -6.59	23.03 0.43 -6.64
GILBOA___ 23599	20.70 0.37 -7.15	19.82 0.36 -6.30	19.02 0.36 -5.50	19.22 0.36 -5.71	19.36 0.34 -5.88	20.13 0.48 -2.00	25.10 0.60 -3.24	29.19 0.61 -6.09	26.53 0.73 -2.14	22.51 0.63 0.00	21.90 0.64 0.00	22.12 0.66 0.00	22.50 0.59 -2.80	23.34 0.61 -3.13	24.21 0.60 -4.27	26.33 0.60 -6.30	28.64 0.58 -9.29	33.31 0.58 -11.89	39.68 0.57 -17.13	37.97 0.64 -13.56	37.43 0.63 -13.35	31.39 0.68 -7.88	24.93 0.52 -6.42	22.85 0.41 -6.48
GINNA___ 23603	13.27 -0.82 -0.91	13.09 -0.87 -0.80	13.02 -0.84 -0.70	12.97 -0.91 -0.73	12.98 -0.91 -0.75	16.78 -1.13 -0.25	20.49 -1.19 -0.41	21.81 -1.46 -0.78	22.30 -1.63 -0.28	20.34 -1.53 0.00	19.73 -1.53 0.00	19.91 -1.54 0.00	18.21 -1.24 -0.36	18.74 -1.26 -0.40	18.61 -1.28 -0.54	18.95 -1.28 -0.80	18.74 -1.20 -1.18	20.91 -1.44 -1.51	22.57 -1.58 -2.17	23.85 -1.64 -1.72	23.55 -1.60 -1.69	22.29 -1.53 -1.00	17.60 -1.20 -0.82	15.87 -0.91 -0.82
GLEN PARK___ 23778	13.27 -0.34 -0.44	13.21 -0.34 -0.39	13.17 -0.33 -0.34	13.15 -0.35 -0.35	13.16 -0.34 -0.36	17.41 -0.37 -0.12	21.06 -0.40 -0.20	22.51 -0.36 -0.38	23.13 -0.66 -0.13	21.13 -0.74 0.00	20.50 -0.76 0.00	20.68 -0.77 0.00	18.57 -0.71 -0.17	19.07 -0.72 -0.19	18.85 -0.75 -0.26	19.06 -0.76 -0.39	18.70 -0.64 -0.57	21.06 -0.52 -0.73	22.72 -0.31 -1.06	24.49 -0.12 -0.84	24.13 -0.14 -0.82	23.08 -0.23 -0.49	18.06 -0.32 -0.40	16.04 -0.32 -0.40
GLENDALE_27_KV_LOAD 356172	21.21 0.94 -7.10	20.34 0.92 -6.25	19.53 0.91 -5.46	19.73 0.91 -5.67	19.85 0.88 -5.84	20.84 1.20 -1.99	25.87 1.38 -3.22	30.18 1.64 -6.05	27.74 1.96 -2.13	23.82 1.75 -0.20	23.23 1.76 -0.21	23.52 1.84 -0.22	23.93 1.72 -3.11	24.94 1.80 -3.53	25.87 1.78 -4.75	28.15 1.79 -6.93	30.41 1.60 -10.04	35.27 1.65 -12.78	41.87 1.89 -18.01	39.31 1.95 -13.60	38.72 1.90 -13.37	32.45 1.80 -7.82	25.66 1.29 -6.38	23.59 1.05 -6.58



GLENWOOD_IC_1_G5 23712	21.28 1.00 -7.10	21.64 0.99 -7.49	19.79 0.97 -5.66	19.81 0.99 -5.67	20.86 0.96 -6.76	21.19 1.34 -2.19	26.06 1.57 -3.22	30.31 1.78 -6.05	27.86 2.08 -2.13	23.95 1.88 -0.20	23.32 1.85 -0.21	23.56 1.89 -0.22	23.97 1.76 -3.12	24.96 1.82 -3.54	33.62 1.84 -12.44	29.98 1.85 -8.70	30.94 1.71 -10.46	37.33 1.83 -14.65	44.12 1.93 -20.21	41.87 2.09 -16.01	43.87 2.06 -18.36	35.07 1.94 -10.31	28.49 1.46 -9.05	23.70 1.16 -6.58
GLENWOOD_IC_2_G1 23688	21.24 0.94 -7.13	21.59 0.92 -7.51	19.75 0.91 -5.68	19.75 0.91 -5.69	20.80 0.88 -6.78	21.09 1.24 -2.20	25.94 1.45 -3.23	30.21 1.66 -6.06	27.73 1.94 -2.13	23.82 1.75 -0.20	23.21 1.74 -0.20	23.48 1.80 -0.22	24.15 1.68 -3.37	25.15 1.73 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.41 1.80 -21.63	42.78 1.95 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.87 1.35 -9.54	24.20 1.15 -7.09
GLENWOOD_IC_3_G1 23689	21.24 0.94 -7.13	21.59 0.92 -7.51	19.75 0.91 -5.68	19.75 0.91 -5.69	20.80 0.88 -6.78	21.09 1.24 -2.20	25.94 1.45 -3.23	30.21 1.66 -6.06	27.73 1.94 -2.13	23.82 1.75 -0.20	23.21 1.74 -0.20	23.48 1.80 -0.22	24.15 1.68 -3.37	25.15 1.73 -3.82	33.89 1.72 -12.82	30.42 1.73 -9.26	31.62 1.59 -11.26	38.20 1.69 -15.67	45.41 1.80 -21.63	42.78 1.95 -17.06	44.74 1.90 -19.39	35.54 1.80 -10.91	28.87 1.35 -9.54	24.20 1.15 -7.09
GLENWOOD___4 23550	21.28 1.00 -7.10	21.64 0.99 -7.49	19.79 0.97 -5.66	19.81 0.99 -5.67	20.86 0.96 -6.76	21.19 1.34 -2.19	26.06 1.57 -3.22	30.31 1.78 -6.05	27.86 2.08 -2.13	23.95 1.88 -0.20	23.32 1.85 -0.21	23.56 1.89 -0.22	23.97 1.76 -3.12	24.96 1.82 -3.54	33.62 1.84 -12.44	29.98 1.85 -8.70	30.94 1.71 -10.46	37.33 1.83 -14.65	44.12 1.93 -20.21	41.87 2.09 -16.01	43.87 2.06 -18.36	35.07 1.94 -10.31	28.49 1.46 -9.05	23.70 1.16 -6.58
GLENWOOD___5 23614	21.28 1.00 -7.10	21.64 0.99 -7.49	19.79 0.97 -5.66	19.81 0.99 -5.67	20.86 0.96 -6.76	21.19 1.34 -2.19	26.06 1.57 -3.22	30.31 1.78 -6.05	27.86 2.08 -2.13	23.95 1.88 -0.20	23.32 1.85 -0.21	23.56 1.89 -0.22	23.97 1.76 -3.12	24.96 1.82 -3.54	33.62 1.84 -12.44	29.98 1.85 -8.70	30.94 1.71 -10.46	37.33 1.83 -14.65	44.12 1.93 -20.21	41.87 2.09 -16.01	43.87 2.06 -18.36	35.07 1.94 -10.31	28.49 1.46 -9.05	23.70 1.16 -6.58
GLOBAL GREEN_PORT_GT1 23814	21.77 1.46 -7.13	22.18 1.51 -7.51	20.37 1.53 -5.68	20.37 1.52 -5.69	21.40 1.48 -6.78	21.90 2.05 -2.20	26.86 2.36 -3.23	31.27 2.72 -6.06	28.84 3.05 -2.13	24.89 2.82 -0.20	24.13 2.66 -0.20	24.33 2.66 -0.22	24.95 2.48 -3.37	25.93 2.51 -3.82	34.72 2.55 -12.82	31.29 2.60 -9.26	32.53 2.50 -11.26	39.22 2.71 -15.67	46.40 2.79 -21.63	43.94 3.11 -17.06	45.89 3.05 -19.39	36.56 2.83 -10.91	29.74 2.21 -9.54	24.87 1.82 -7.09
GLOBE___DSASP 323697	13.44 -0.87 -1.13	13.24 -0.92 -1.00	13.15 -0.88 -0.87	13.10 -0.96 -0.91	13.08 -0.99 -0.93	16.72 -1.25 -0.32	20.46 -1.32 -0.51	21.58 -1.89 -0.98	21.87 -2.13 -0.34	20.03 -1.84 0.00	19.43 -1.83 0.00	19.59 -1.87 0.00	18.02 -1.53 -0.44	18.57 -1.53 -0.50	18.47 -1.55 -0.68	18.86 -1.57 -1.00	18.76 -1.48 -1.47	20.81 -1.92 -1.89	22.45 -2.24 -2.72	23.57 -2.35 -2.15	23.36 -2.20 -2.12	22.09 -1.99 -1.25	17.66 -1.35 -1.02	16.13 -0.86 -1.03
GOETHSLN___LBMP 323567	21.12 0.84 -7.10	20.26 0.84 -6.25	19.47 0.84 -5.46	19.66 0.84 -5.67	19.77 0.80 -5.84	20.77 1.13 -1.99	25.72 1.23 -3.22	30.04 1.51 -6.04	27.60 1.82 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.21	23.41 1.74 -0.22	23.82 1.60 -3.11	24.76 1.63 -3.53	25.70 1.61 -4.75	27.97 1.61 -6.93	30.26 1.45 -10.04	35.10 1.48 -12.77	41.63 1.65 -18.01	39.10 1.73 -13.60	38.48 1.66 -13.37	32.24 1.60 -7.82	25.51 1.15 -6.38	23.46 0.93 -6.58
GOLAH___69_KV_TB 1_2 80279	13.86 -0.26 -0.95	13.68 -0.32 -0.84	13.58 -0.32 -0.73	13.57 -0.34 -0.76	13.56 -0.35 -0.78	17.60 -0.32 -0.27	21.48 -0.21 -0.43	22.76 -0.54 -0.81	23.25 -0.69 -0.28	21.22 -0.66 -0.01	20.50 -0.77 -0.01	20.62 -0.84 -0.01	18.87 -0.61 -0.38	19.45 -0.59 -0.43	19.27 -0.66 -0.59	19.63 -0.66 -0.86	19.41 -0.62 -1.26	21.64 -0.81 -1.61	23.34 -0.94 -2.31	24.65 -0.93 -1.81	24.38 -0.84 -1.78	23.12 -0.75 -1.05	18.28 -0.56 -0.85	16.59 -0.24 -0.87
GOODYEAR_LAKE_HYD 323669	15.66 0.51 -1.97	15.40 0.50 -1.73	15.16 0.49 -1.52	15.21 0.49 -1.57	15.24 0.49 -1.62	18.95 0.74 -0.55	23.05 0.89 -0.89	25.16 0.99 -1.68	25.24 0.99 -0.59	22.77 0.90 0.00	22.11 0.85 0.00	22.29 0.84 0.00	20.56 0.69 -0.77	21.19 0.73 -0.86	21.22 0.70 -1.18	21.89 0.72 -1.74	22.04 0.71 -2.56	24.93 0.81 -3.28	27.62 0.92 -4.72	28.57 1.07 -3.74	28.16 1.03 -3.68	26.02 1.03 -2.17	20.49 0.74 -1.77	18.35 0.61 -1.79
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	15.49 0.07 -2.25	15.18 0.04 -1.98	14.91 0.01 -1.73	14.96 0.01 -1.80	15.00 0.01 -1.85	18.39 0.11 -0.63	22.50 0.21 -1.02	24.54 0.13 -1.92	24.42 0.09 -0.67	22.07 0.17 -0.02	21.43 0.15 -0.02	21.60 0.13 -0.02	20.05 0.04 -0.92	20.71 0.08 -1.03	20.82 0.08 -1.40	21.56 0.08 -2.05	21.87 0.08 -3.01	24.75 0.06 -3.84	27.49 0.02 -5.49	28.14 0.10 -4.28	27.78 0.12 -4.21	25.42 0.11 -2.48	20.10 0.09 -2.02	18.12 0.11 -2.05
GOUDEY___7 23579	15.51 0.08 -2.25	15.20 0.05 -1.98	14.92 0.03 -1.73	14.97 0.03 -1.80	15.00 0.01 -1.85	18.41 0.12 -0.63	22.52 0.23 -1.02	24.56 0.16 -1.92	24.45 0.12 -0.67	22.09 0.20 -0.02	21.45 0.17 -0.02	21.62 0.15 -0.02	20.09 0.08 -0.92	20.73 0.10 -1.03	20.84 0.10 -1.40	21.58 0.10 -2.05	21.89 0.11 -3.01	24.77 0.08 -3.84	27.51 0.04 -5.49	28.17 0.12 -4.28	27.80 0.14 -4.21	25.44 0.14 -2.48	20.11 0.11 -2.02	18.14 0.13 -2.05
GOUDEY___8 23580	15.49 0.07 -2.25	15.18 0.04 -1.98	14.91 0.01 -1.73	14.96 0.01 -1.80	15.00 0.01 -1.85	18.39 0.11 -0.63	22.50 0.21 -1.02	24.54 0.13 -1.92	24.42 0.09 -0.67	22.07 0.17 -0.02	21.43 0.15 -0.02	21.60 0.13 -0.02	20.05 0.04 -0.92	20.71 0.08 -1.03	20.82 0.08 -1.40	21.56 0.08 -2.05	21.87 0.09 -3.01	24.75 0.06 -3.84	27.49 0.02 -5.49	28.14 0.10 -4.28	27.78 0.12 -4.21	25.42 0.11 -2.48	20.10 0.09 -2.02	18.12 0.11 -2.05
GOWANUS_GT1_1 24077	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT1_2 24078	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09



GOWANUS_GT1_3 24079	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT1_4 24080	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT1_5 24084	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT1_6 24111	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT1_7 24112	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT1_8 24113	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_1 24114	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_2 24115	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_3 24116	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_4 24117	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_5 24118	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_6 24119	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_7 24120	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT2_8 24121	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT3_1 24122	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09



GOWANUS_GT3_2 24123	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT3_3 24124	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT3_4 24125	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT3_5 24126	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT3_6 24127	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT3_7 24128	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT3_8 24129	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_1 24130	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_2 24131	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_3 24132	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_4 24133	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_5 24134	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_6 24135	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_7 24136	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
GOWANUS_GT4_8 24137	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09



GREENBSH_115KV_TB3 55895	22.66 0.21 -9.28	21.54 0.21 -8.17	20.49 0.20 -7.13	20.75 0.20 -7.41	20.97 0.21 -7.62	20.57 0.32 -2.59	25.89 0.43 -4.20	30.77 0.38 -7.90	26.95 0.52 -2.78	22.14 0.44 0.17	21.49 0.40 0.17	21.73 0.47 0.19	22.89 0.44 -3.35	23.73 0.45 -3.68	24.90 0.46 -5.09	27.45 0.45 -7.58	30.53 0.43 -11.33	35.91 0.50 -14.57	43.82 0.51 -21.35	41.79 0.55 -17.48	41.19 0.54 -17.20	33.56 0.52 -10.22	26.73 0.41 -8.33	24.51 0.27 -8.28
GREENDGE_115KV_TB5 80291	14.62 0.01 -1.44	14.40 -0.03 -1.26	14.20 -0.07 -1.10	14.22 -0.08 -1.15	14.22 -0.09 -1.18	18.11 0.05 -0.40	22.15 0.23 -0.65	23.82 0.11 -1.22	24.06 -0.02 -0.43	21.93 0.04 -0.01	21.27 0.00 -0.01	21.46 0.00 -0.01	19.62 -0.06 -0.58	20.24 -0.02 -0.65	20.21 -0.02 -0.89	20.71 -0.02 -1.30	20.70 0.02 -1.91	23.24 -0.04 -2.44	25.40 -0.07 -3.49	26.54 0.05 -2.73	26.18 0.05 -2.69	24.45 0.05 -1.58	19.27 0.00 -1.29	17.33 0.06 -1.31
GREENIDGE___3 23582	14.62 0.01 -1.44	14.40 -0.03 -1.26	14.20 -0.07 -1.10	14.22 -0.08 -1.15	14.22 -0.09 -1.18	18.11 0.05 -0.40	22.15 0.23 -0.65	23.82 0.11 -1.22	24.06 -0.02 -0.43	21.93 0.04 -0.01	21.27 0.00 -0.01	21.46 0.00 -0.01	19.62 -0.06 -0.58	20.24 -0.02 -0.65	20.21 -0.02 -0.89	20.71 -0.02 -1.30	20.70 0.02 -1.91	23.24 -0.04 -2.44	25.40 -0.07 -3.49	26.54 0.05 -2.73	26.18 0.05 -2.69	24.45 0.05 -1.58	19.27 0.00 -1.29	17.33 0.06 -1.31
GREENIDGE___4 23583	14.60 0.01 -1.41	14.38 -0.03 -1.25	14.24 -0.01 -1.09	14.20 -0.08 -1.13	14.21 -0.09 -1.16	18.10 0.05 -0.40	22.14 0.23 -0.64	23.82 0.11 -1.22	24.06 -0.02 -0.43	21.92 0.04 0.00	21.26 0.00 0.00	21.45 0.00 0.00	19.59 -0.06 -0.55	20.20 -0.02 -0.61	20.16 -0.02 -0.84	20.65 -0.02 -1.24	20.61 0.02 -1.83	23.14 -0.04 -2.34	25.28 -0.07 -3.37	26.48 0.05 -2.67	26.12 0.05 -2.63	24.42 0.05 -1.55	19.25 0.00 -1.26	17.33 0.10 -1.28
GREENLWN_69_KV_BK 3 55738	21.42 1.15 -7.10	21.78 1.13 -7.49	19.94 1.12 -5.66	19.94 1.12 -5.67	21.00 1.10 -6.76	21.38 1.54 -2.19	26.27 1.79 -3.22	30.56 2.02 -6.05	28.10 2.32 -2.13	24.19 2.12 -0.20	23.49 2.02 -0.21	23.71 2.04 -0.22	24.11 1.89 -3.12	25.12 1.98 -3.54	33.80 2.01 -12.44	30.16 2.02 -8.70	31.09 1.86 -10.46	37.47 1.98 -14.65	44.23 2.04 -20.21	42.06 2.28 -16.01	44.03 2.23 -18.36	35.23 2.10 -10.31	28.69 1.65 -9.05	23.85 1.31 -6.58
GREENWD_138_KV_38B11_REV_LBMP_J 345004	21.24 0.96 -7.10	20.35 0.93 -6.25	19.53 0.91 -5.46	19.73 0.91 -5.67	19.86 0.89 -5.84	20.82 1.18 -1.99	25.82 1.34 -3.22	30.15 1.62 -6.05	27.70 1.92 -2.13	23.77 1.71 -0.20	23.19 1.72 -0.21	23.50 1.82 -0.22	23.92 1.70 -3.11	24.94 1.80 -3.53	25.89 1.80 -4.75	28.17 1.81 -6.93	30.39 1.58 -10.04	35.24 1.63 -12.78	41.87 1.89 -18.01	39.31 1.95 -13.60	38.70 1.88 -13.37	32.45 1.80 -7.82	25.69 1.33 -6.38	23.62 1.09 -6.58
GRISSOM___SOLAR 323813	25.49 1.16 -11.16	24.12 1.13 -9.83	22.83 1.09 -8.58	23.15 1.09 -8.91	23.42 1.12 -9.17	22.38 1.61 -3.12	28.13 1.81 -5.05	33.87 1.87 -9.52	28.94 1.94 -3.35	23.21 1.49 0.15	22.51 1.40 0.15	22.66 1.37 0.17	24.50 1.18 -4.21	25.51 1.26 -4.66	27.00 1.24 -6.42	30.26 1.32 -9.51	34.34 1.41 -14.17	40.78 1.75 -18.18	50.41 1.93 -26.50	47.54 2.30 -21.47	46.90 2.32 -21.13	37.59 2.24 -12.53	29.82 1.62 -10.21	27.51 1.36 -10.20
GROVEVILLE___HYD 323602	21.24 0.83 -7.24	20.31 0.78 -6.37	19.49 0.76 -5.57	19.70 0.78 -5.78	19.87 0.79 -5.95	20.83 1.15 -2.02	25.89 1.34 -3.28	30.11 1.46 -6.16	27.53 1.70 -2.17	23.50 1.44 -0.19	22.92 1.47 -0.19	23.16 1.50 -0.21	23.64 1.39 -3.15	24.62 1.45 -3.57	25.62 1.47 -4.80	27.94 1.50 -7.01	30.35 1.41 -10.17	35.33 1.54 -12.95	41.84 1.58 -18.28	39.32 1.71 -13.85	38.78 1.71 -13.62	32.37 1.57 -7.97	25.65 1.17 -6.50	23.56 0.91 -6.69
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	13.83 -0.16 -0.81	13.69 -0.18 -0.71	13.59 -0.20 -0.62	13.59 -0.21 -0.65	13.58 -0.22 -0.67	17.69 -0.19 -0.23	21.51 -0.13 -0.37	22.98 -0.20 -0.69	23.61 -0.28 -0.24	21.66 -0.22 -0.01	21.04 -0.23 -0.01	21.24 -0.21 -0.01	19.24 -0.19 -0.33	19.79 -0.18 -0.37	19.67 -0.17 -0.50	19.99 -0.17 -0.73	19.69 -0.15 -1.08	21.99 -0.23 -1.38	23.68 -0.26 -1.97	25.09 -0.21 -1.54	24.75 -0.21 -1.52	23.53 -0.18 -0.89	18.53 -0.18 -0.73	16.54 -0.16 -0.74
HAMLTNNY_34_KV_TB 80303	13.89 -0.14 -0.86	13.73 -0.18 -0.75	13.62 -0.20 -0.66	13.62 -0.21 -0.68	13.62 -0.22 -0.70	17.70 -0.19 -0.24	21.57 -0.09 -0.39	23.06 -0.16 -0.73	23.68 -0.24 -0.26	21.70 -0.17 -0.01	21.08 -0.19 -0.01	21.29 -0.17 -0.01	19.29 -0.15 -0.35	19.85 -0.14 -0.39	19.74 -0.14 -0.53	20.05 -0.16 -0.78	19.78 -0.13 -1.14	22.11 -0.19 -1.46	23.84 -0.22 -2.08	25.23 -0.17 -1.63	24.86 -0.19 -1.60	23.61 -0.16 -0.94	18.59 -0.16 -0.77	16.63 -0.11 -0.78
HAMPSHIRE___PAPER_HYD 323593	12.84 -0.55 -0.22	12.81 -0.55 -0.20	12.81 -0.53 -0.17	12.80 -0.53 -0.18	12.85 -0.47 -0.18	16.99 -0.72 -0.06	20.49 -0.87 -0.10	21.89 -0.79 -0.19	22.73 -0.99 -0.07	20.93 -0.94 0.00	20.33 -0.94 0.00	20.44 -1.01 0.00	18.31 -0.88 -0.09	18.76 -0.94 -0.10	18.55 -0.93 -0.13	18.69 -0.93 -0.20	18.18 -0.88 -0.29	20.42 -0.79 -0.37	21.81 -0.70 -0.54	23.48 -0.71 -0.42	23.16 -0.70 -0.42	22.34 -0.73 -0.25	17.52 -0.67 -0.20	15.57 -0.59 -0.20
HARDSCRABBLE_WT_PWR 323673	13.10 -0.08 0.00	13.07 -0.09 0.00	13.07 -0.09 0.00	13.04 -0.11 0.00	13.00 -0.13 0.00	17.53 -0.12 0.00	21.05 -0.21 0.00	22.26 -0.22 0.00	23.44 -0.21 0.00	21.61 -0.26 0.00	20.96 -0.30 0.00	21.09 -0.36 0.00	18.74 -0.36 0.00	19.23 -0.37 0.00	18.96 -0.39 0.00	19.06 -0.37 0.00	18.43 -0.34 0.00	20.47 -0.37 0.00	21.65 -0.33 0.00	23.46 -0.31 0.00	23.12 -0.33 0.00	22.55 -0.27 0.00	17.79 -0.20 0.00	15.80 -0.16 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	20.45 0.76 -6.51	19.62 0.72 -5.74	18.88 0.71 -5.01	19.07 0.72 -5.20	19.21 0.72 -5.35	20.54 1.06 -1.82	25.43 1.21 -2.95	29.36 1.33 -5.54	27.17 1.56 -1.95	23.42 1.38 -0.17	22.83 1.38 -0.18	23.06 1.42 -0.20	23.28 1.34 -2.85	24.22 1.39 -3.23	25.09 1.41 -4.34	27.18 1.42 -6.33	29.28 1.33 -9.18	33.98 1.46 -11.68	39.97 1.52 -16.48	37.89 1.66 -12.46	37.35 1.64 -12.26	31.50 1.51 -7.17	24.95 1.12 -5.85	22.86 0.88 -6.03
HARSNRAD_115KV_TB1 81005	13.72 -0.58 -1.12	13.50 -0.64 -0.99	13.34 -0.68 -0.86	13.35 -0.70 -0.90	13.35 -0.71 -0.92	17.10 -0.87 -0.31	20.95 -0.83 -0.51	22.12 -1.33 -0.95	22.41 -1.58 -0.34	20.59 -1.29 -0.01	19.95 -1.32 -0.01	20.09 -1.37 -0.01	18.45 -1.11 -0.45	19.01 -1.10 -0.51	18.89 -1.14 -0.69	19.30 -1.15 -1.02	19.15 -1.11 -1.49	21.33 -1.42 -1.91	22.97 -1.74 -2.73	24.12 -1.78 -2.13	23.93 -1.62 -2.10	22.55 -1.51 -1.24	18.02 -0.97 -1.01	16.44 -0.54 -1.02
HARZA MOOSE___RIVER 24016	13.34 -0.08 -0.24	13.28 -0.09 -0.21	13.27 -0.08 -0.18	13.25 -0.09 -0.19	13.24 -0.09 -0.20	17.67 -0.05 -0.07	21.27 -0.11 -0.11	22.65 -0.04 -0.20	23.56 -0.17 -0.07	21.65 -0.22 0.00	21.03 -0.23 0.00	21.20 -0.26 0.00	18.95 -0.25 -0.10	19.48 -0.24 -0.11	19.24 -0.25 -0.15	19.41 -0.23 -0.22	18.90 -0.19 -0.32	21.15 -0.10 -0.41	22.58 0.02 -0.58	24.34 0.12 -0.46	23.99 0.09 -0.45	23.13 0.05 -0.26	18.15 -0.05 -0.22	16.11 -0.06 -0.22



HDSNBRDG_115KV_BRDG_TB1 355580	13.71 -0.22 -0.76	13.58 -0.25 -0.67	13.49 -0.26 -0.59	13.48 -0.28 -0.61	13.47 -0.29 -0.63	17.57 -0.30 -0.21	21.36 -0.26 -0.35	22.80 -0.34 -0.65	23.48 -0.40 -0.23	21.53 -0.35 -0.01	20.93 -0.34 -0.01	21.14 -0.32 -0.01	19.12 -0.29 -0.31	19.69 -0.25 -0.35	19.54 -0.27 -0.47	19.85 -0.27 -0.69	19.54 -0.24 -1.02	21.81 -0.33 -1.30	23.46 -0.37 -1.86	24.88 -0.33 -1.45	24.55 -0.33 -1.43	23.37 -0.30 -0.84	18.40 -0.27 -0.69	16.43 -0.22 -0.70
HELLGATE_13_KV_LD 55870	21.17 0.90 -7.10	20.30 0.88 -6.25	19.48 0.86 -5.46	19.69 0.87 -5.67	19.81 0.84 -5.84	20.77 1.13 -1.99	25.76 1.28 -3.22	30.06 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.21	23.41 1.74 -0.22	23.82 1.60 -3.11	24.82 1.69 -3.53	25.76 1.66 -4.75	28.03 1.67 -6.93	30.31 1.50 -10.04	35.16 1.54 -12.78	41.74 1.76 -18.01	39.19 1.83 -13.60	38.58 1.76 -13.37	32.31 1.67 -7.82	25.57 1.20 -6.38	23.51 0.97 -6.58
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	21.17 0.90 -7.10	20.30 0.88 -6.25	19.48 0.86 -5.46	19.69 0.87 -5.67	19.81 0.84 -5.84	20.77 1.13 -1.99	25.76 1.28 -3.22	30.06 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.21	23.41 1.74 -0.22	23.82 1.60 -3.11	24.82 1.69 -3.53	25.76 1.66 -4.75	28.03 1.67 -6.93	30.31 1.50 -10.04	35.16 1.54 -12.78	41.74 1.76 -18.01	39.19 1.83 -13.60	38.58 1.76 -13.37	32.31 1.67 -7.82	25.57 1.20 -6.38	23.51 0.97 -6.58
HEMPSTEAD____ 23647	21.32 1.01 -7.13	21.67 1.00 -7.51	19.84 1.00 -5.68	19.84 1.00 -5.69	20.88 0.96 -6.78	21.21 1.36 -2.20	26.09 1.60 -3.23	30.37 1.82 -6.06	27.89 2.10 -2.13	23.97 1.90 -0.20	23.32 1.85 -0.20	23.56 1.89 -0.22	24.24 1.78 -3.37	25.23 1.80 -3.82	34.01 1.84 -12.82	30.52 1.83 -9.26	31.70 1.67 -11.26	38.28 1.77 -15.67	45.45 1.85 -21.63	42.87 2.04 -17.06	44.86 2.02 -19.39	35.63 1.89 -10.91	29.00 1.48 -9.54	24.29 1.25 -7.09
HEWLETT_69_KV_BK3 55828	21.44 1.16 -7.10	21.79 1.15 -7.49	19.95 1.13 -5.66	19.95 1.13 -5.67	21.01 1.12 -6.76	21.38 1.54 -2.19	26.23 1.74 -3.22	30.51 1.98 -6.05	28.08 2.29 -2.13	24.15 2.08 -0.20	23.45 1.98 -0.21	23.67 1.99 -0.22	24.07 1.85 -3.12	25.06 1.92 -3.54	33.74 1.95 -12.44	30.10 1.96 -8.70	31.07 1.84 -10.46	37.45 1.96 -14.65	44.10 1.91 -20.21	41.92 2.14 -16.01	43.89 2.09 -18.36	35.23 2.10 -10.31	28.63 1.60 -9.05	23.80 1.26 -6.58
HICKLING___1 23621	15.08 0.12 -1.79	14.81 0.08 -1.57	14.56 0.03 -1.37	14.60 0.03 -1.43	14.62 0.01 -1.47	18.33 0.18 -0.50	22.50 0.43 -0.81	24.32 0.31 -1.52	24.40 0.21 -0.53	22.28 0.39 -0.01	21.62 0.34 -0.01	21.81 0.34 -0.02	20.02 0.19 -0.72	20.65 0.24 -0.81	20.68 0.23 -1.10	21.28 0.23 -1.62	21.41 0.26 -2.38	24.07 0.19 -3.04	26.41 0.09 -4.35	27.38 0.21 -3.40	27.02 0.23 -3.34	25.04 0.25 -1.97	19.80 0.22 -1.60	17.86 0.27 -1.63
HICKLING___2 23622	15.08 0.12 -1.79	14.81 0.08 -1.57	14.56 0.03 -1.37	14.60 0.03 -1.43	14.62 0.01 -1.47	18.33 0.18 -0.50	22.50 0.43 -0.81	24.32 0.31 -1.52	24.40 0.21 -0.53	22.28 0.39 -0.01	21.62 0.34 -0.01	21.81 0.34 -0.02	20.02 0.19 -0.72	20.65 0.24 -0.81	20.68 0.23 -1.10	21.28 0.23 -1.62	21.41 0.26 -2.38	24.07 0.19 -3.04	26.41 0.09 -4.35	27.38 0.21 -3.40	27.02 0.23 -3.34	25.04 0.25 -1.97	19.80 0.22 -1.60	17.86 0.27 -1.63
HIGH FALLS___HY 23754	21.18 1.11 -6.89	20.23 1.00 -6.07	19.45 0.99 -5.30	19.65 1.00 -5.51	19.84 1.04 -5.67	21.14 1.55 -1.93	26.11 1.72 -3.12	30.22 1.87 -5.87	27.82 2.11 -2.06	23.68 1.68 -0.13	23.12 1.72 -0.13	23.29 1.69 -0.14	23.54 1.53 -2.92	24.48 1.59 -3.29	25.40 1.61 -4.45	27.61 1.67 -6.51	29.75 1.50 -9.48	34.60 1.67 -12.09	40.81 1.67 -17.16	38.68 1.76 -13.16	38.15 1.76 -12.95	31.99 1.57 -7.60	25.33 1.15 -6.19	23.14 0.85 -6.34
HILLBURN___GT 23639	20.63 0.79 -6.66	19.79 0.76 -5.87	19.05 0.76 -5.13	19.23 0.76 -5.32	19.35 0.74 -5.48	20.58 1.06 -1.86	25.48 1.19 -3.02	29.49 1.35 -5.66	27.25 1.61 -1.99	23.49 1.44 -0.18	22.89 1.45 -0.18	23.13 1.48 -0.20	23.66 1.39 -3.17	24.65 1.45 -3.59	25.64 1.47 -4.83	27.96 1.48 -7.05	30.36 1.37 -10.22	35.30 1.46 -13.00	41.86 1.56 -18.33	39.27 1.66 -13.84	38.70 1.64 -13.61	32.29 1.51 -7.96	25.59 1.12 -6.49	23.59 0.94 -6.69
HILLSIDE_115KV_TB1 80332	14.95 -0.07 -1.84	14.69 -0.09 -1.62	14.45 -0.13 -1.42	14.49 -0.13 -1.47	14.51 -0.14 -1.51	18.10 -0.07 -0.52	22.14 0.04 -0.83	23.99 -0.07 -1.57	24.07 -0.14 -0.55	21.93 0.04 -0.01	21.30 0.02 -0.02	21.49 0.02 -0.02	19.73 -0.11 -0.75	20.36 -0.08 -0.84	20.40 -0.08 -1.14	21.02 -0.08 -1.67	21.17 -0.06 -2.45	23.83 -0.15 -3.13	26.20 -0.26 -4.49	27.08 -0.19 -3.50	26.75 -0.14 -3.45	24.69 -0.16 -2.03	19.55 -0.09 -1.65	17.64 0.00 -1.68
HISHELDN_WT_PWR 323625	14.08 -0.39 -1.30	13.84 -0.46 -1.14	13.74 -0.42 -1.00	13.69 -0.50 -1.04	13.69 -0.51 -1.07	17.45 -0.57 -0.36	21.37 -0.49 -0.59	22.76 -0.85 -1.12	22.99 -1.06 -0.39	21.15 -0.72 0.00	20.52 -0.74 0.00	20.68 -0.77 0.00	18.88 -0.73 -0.51	19.47 -0.70 -0.57	19.40 -0.72 -0.78	19.83 -0.74 -1.14	19.76 -0.69 -1.69	22.04 -0.96 -2.16	23.90 -1.19 -3.11	25.04 -1.19 -2.46	24.82 -1.05 -2.43	23.25 -1.00 -1.43	18.52 -0.63 -1.17	16.83 -0.30 -1.18
HOLTSVILLE_IC_1 23690	21.45 1.15 -7.13	21.84 1.17 -7.51	20.01 1.17 -5.68	20.01 1.17 -5.69	21.05 1.13 -6.78	21.42 1.57 -2.20	26.33 1.83 -3.23	30.64 2.09 -6.06	28.15 2.37 -2.13	24.21 2.14 -0.20	23.49 2.02 -0.20	23.75 2.08 -0.22	24.42 1.95 -3.37	25.38 1.96 -3.82	34.16 1.99 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.45 1.94 -15.67	45.58 1.98 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.86 2.12 -10.91	29.25 1.73 -9.54	24.44 1.39 -7.09
HOLTSVILLE_IC_10 23699	21.50 1.20 -7.13	21.90 1.22 -7.51	20.07 1.22 -5.68	20.05 1.21 -5.69	21.10 1.18 -6.78	21.49 1.64 -2.20	26.43 1.94 -3.23	30.75 2.21 -6.06	28.27 2.48 -2.13	24.34 2.27 -0.20	23.61 2.15 -0.20	23.86 2.19 -0.22	24.53 2.06 -3.37	25.50 2.08 -3.82	34.28 2.11 -12.82	30.83 2.14 -9.26	32.02 1.99 -11.26	38.64 2.13 -15.67	45.76 2.15 -21.63	43.28 2.45 -17.06	45.23 2.39 -19.39	36.02 2.28 -10.91	29.36 1.84 -9.54	24.53 1.48 -7.09
HOLTSVILLE_IC_2 23691	21.45 1.15 -7.13	21.84 1.17 -7.51	20.01 1.17 -5.68	20.01 1.17 -5.69	21.05 1.13 -6.78	21.42 1.57 -2.20	26.33 1.83 -3.23	30.64 2.09 -6.06	28.15 2.37 -2.13	24.21 2.14 -0.20	23.49 2.02 -0.20	23.75 2.08 -0.22	24.42 1.95 -3.37	25.38 1.96 -3.82	34.16 1.99 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.45 1.94 -15.67	45.58 1.98 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.86 2.12 -10.91	29.25 1.73 -9.54	24.44 1.39 -7.09
HOLTSVILLE_IC_3 23692	21.45 1.15 -7.13	21.84 1.17 -7.51	20.01 1.17 -5.68	20.01 1.17 -5.69	21.05 1.13 -6.78	21.42 1.57 -2.20	26.33 1.83 -3.23	30.64 2.09 -6.06	28.15 2.37 -2.13	24.21 2.14 -0.20	23.49 2.02 -0.20	23.75 2.08 -0.22	24.42 1.95 -3.37	25.38 1.96 -3.82	34.16 1.99 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.45 1.94 -15.67	45.58 1.98 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.86 2.12 -10.91	29.25 1.73 -9.54	24.44 1.39 -7.09



HOLTSVILLE_IC_4 23693	21.45 1.15 -7.13	21.84 1.17 -7.51	20.01 1.17 -5.68	20.01 1.17 -5.69	21.05 1.13 -6.78	21.42 1.57 -2.20	26.33 1.83 -3.23	30.64 2.09 -6.06	28.15 2.37 -2.13	24.21 2.14 -0.20	23.49 2.02 -0.20	23.75 2.08 -0.22	24.42 1.95 -3.37	25.38 1.96 -3.82	34.16 1.99 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.45 1.94 -15.67	45.58 1.98 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.86 2.12 -10.91	29.25 1.73 -9.54	24.44 1.39 -7.09
HOLTSVILLE_IC_5 23694	21.45 1.15 -7.13	21.84 1.17 -7.51	20.01 1.17 -5.68	20.01 1.17 -5.69	21.05 1.13 -6.78	21.42 1.57 -2.20	26.33 1.83 -3.23	30.64 2.09 -6.06	28.15 2.37 -2.13	24.21 2.14 -0.20	23.49 2.02 -0.20	23.75 2.08 -0.22	24.42 1.95 -3.37	25.38 1.96 -3.82	34.16 1.99 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.45 1.94 -15.67	45.58 1.98 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.86 2.12 -10.91	29.25 1.73 -9.54	24.44 1.39 -7.09
HOLTSVILLE_IC_6 23695	21.50 1.20 -7.13	21.90 1.22 -7.51	20.07 1.22 -5.68	20.05 1.21 -5.69	21.10 1.18 -6.78	21.49 1.64 -2.20	26.43 1.94 -3.23	30.75 2.21 -6.06	28.27 2.48 -2.13	24.34 2.27 -0.20	23.61 2.15 -0.20	23.86 2.19 -0.22	24.53 2.06 -3.37	25.50 2.08 -3.82	34.28 2.11 -12.82	30.83 2.14 -9.26	32.02 1.99 -11.26	38.64 2.13 -15.67	45.76 2.15 -21.63	43.28 2.45 -17.06	45.23 2.39 -19.39	36.02 2.28 -10.91	29.36 1.84 -9.54	24.53 1.48 -7.09
HOLTSVILLE_IC_7 23696	21.50 1.20 -7.13	21.90 1.22 -7.51	20.07 1.22 -5.68	20.05 1.21 -5.69	21.10 1.18 -6.78	21.49 1.64 -2.20	26.43 1.94 -3.23	30.75 2.21 -6.06	28.27 2.48 -2.13	24.34 2.27 -0.20	23.61 2.15 -0.20	23.86 2.19 -0.22	24.53 2.06 -3.37	25.50 2.08 -3.82	34.28 2.11 -12.82	30.83 2.14 -9.26	32.02 1.99 -11.26	38.64 2.13 -15.67	45.76 2.15 -21.63	43.28 2.45 -17.06	45.23 2.39 -19.39	36.02 2.28 -10.91	29.36 1.84 -9.54	24.53 1.48 -7.09
HOLTSVILLE_IC_8 23697	21.50 1.20 -7.13	21.90 1.22 -7.51	20.07 1.22 -5.68	20.05 1.21 -5.69	21.10 1.18 -6.78	21.49 1.64 -2.20	26.43 1.94 -3.23	30.75 2.21 -6.06	28.27 2.48 -2.13	24.34 2.27 -0.20	23.61 2.15 -0.20	23.86 2.19 -0.22	24.53 2.06 -3.37	25.50 2.08 -3.82	34.28 2.11 -12.82	30.83 2.14 -9.26	32.02 1.99 -11.26	38.64 2.13 -15.67	45.76 2.15 -21.63	43.28 2.45 -17.06	45.23 2.39 -19.39	36.02 2.28 -10.91	29.36 1.84 -9.54	24.53 1.48 -7.09
HOLTSVILLE_IC_9 23698	21.50 1.20 -7.13	21.90 1.22 -7.51	20.07 1.22 -5.68	20.05 1.21 -5.69	21.10 1.18 -6.78	21.49 1.64 -2.20	26.43 1.94 -3.23	30.75 2.21 -6.06	28.27 2.48 -2.13	24.34 2.27 -0.20	23.61 2.15 -0.20	23.86 2.19 -0.22	24.53 2.06 -3.37	25.50 2.08 -3.82	34.28 2.11 -12.82	30.83 2.14 -9.26	32.02 1.99 -11.26	38.64 2.13 -15.67	45.76 2.15 -21.63	43.28 2.45 -17.06	45.23 2.39 -19.39	36.02 2.28 -10.91	29.36 1.84 -9.54	24.53 1.48 -7.09
HOMER_HL_115KV_TB2 355744	14.08 -0.47 -1.38	13.85 -0.53 -1.21	13.66 -0.57 -1.06	13.70 -0.55 -1.10	13.70 -0.56 -1.13	17.42 -0.62 -0.39	21.40 -0.49 -0.62	22.97 -0.70 -1.17	23.15 -0.92 -0.41	21.73 -0.15 -0.01	21.08 -0.19 -0.01	21.25 -0.21 -0.01	18.99 -0.67 -0.56	19.58 -0.65 -0.63	19.54 -0.66 -0.85	20.00 -0.68 -1.25	19.93 -0.68 -1.83	22.29 -0.90 -2.34	24.14 -1.19 -3.36	25.25 -1.14 -2.62	25.04 -0.98 -2.58	23.31 -1.03 -1.52	18.56 -0.67 -1.24	16.80 -0.41 -1.26
HOWARD_WT_PWR 323690	14.74 0.07 -1.50	14.49 0.01 -1.32	14.35 0.04 -1.15	14.32 -0.03 -1.20	14.33 -0.04 -1.23	18.21 0.14 -0.42	22.33 0.38 -0.68	23.98 0.20 -1.29	24.13 0.02 -0.45	22.07 0.20 0.00	21.43 0.17 0.00	21.58 0.13 0.00	19.71 0.02 -0.59	20.30 0.04 -0.65	20.28 0.04 -0.89	20.78 0.04 -1.32	20.77 0.06 -1.94	23.29 -0.04 -2.48	25.42 -0.13 -3.58	26.58 -0.02 -2.84	26.26 0.02 -2.79	24.52 0.05 -1.65	19.42 0.09 -1.34	17.54 0.22 -1.36
HQ_GEN_CEDARS 23644	13.12 -0.12 -0.06	13.11 -0.11 -0.05	13.13 -0.08 -0.05	13.13 -0.07 -0.05	13.17 -0.01 -0.05	17.41 -0.26 -0.02	20.89 -0.40 -0.03	22.27 -0.27 -0.05	23.30 -0.38 -0.02	21.57 -0.31 0.00	20.97 -0.30 0.00	21.09 -0.36 0.00	18.84 -0.29 -0.02	19.26 -0.37 -0.03	19.03 -0.35 -0.04	19.13 -0.35 -0.05	18.49 -0.36 -0.08	20.70 -0.25 -0.10	21.90 -0.22 -0.15	23.57 -0.31 -0.12	23.28 -0.28 -0.12	22.59 -0.30 -0.07	17.81 -0.23 -0.06	15.97 -0.05 -0.06
HQ_GEN_CEDARS_PROXY 323590	13.06 -0.12 0.00	13.06 -0.11 0.00	13.07 -0.09 0.00	13.08 -0.07 0.00	13.14 0.00 0.00	17.39 -0.26 0.00	20.86 -0.40 0.00	22.22 -0.27 0.00	23.28 -0.38 0.00	21.57 -0.31 0.00	20.99 -0.28 0.00	21.09 -0.36 0.00	18.81 -0.29 0.00	19.23 -0.37 0.00	19.00 -0.35 0.00	19.08 -0.35 0.00	18.41 -0.36 0.00	20.59 -0.25 0.00	21.75 -0.22 0.00	23.46 -0.31 0.00	23.17 -0.28 0.00	22.52 -0.30 0.00	17.75 -0.23 0.00	15.81 -0.14 0.00
HQ_GEN_IMPORT 323601	13.03 -0.14 0.00	13.03 -0.13 0.00	13.03 -0.13 0.00	13.03 -0.12 0.00	13.03 -0.11 0.00	17.44 -0.21 0.00	20.97 -0.30 0.00	22.22 -0.27 0.00	23.33 -0.33 0.00	21.59 -0.28 0.00	21.01 -0.25 0.00	21.15 -0.30 0.00	18.85 -0.25 0.00	19.33 -0.27 0.00	19.07 -0.27 0.00	19.16 -0.27 0.00	18.50 -0.26 0.00	20.59 -0.25 0.00	21.71 -0.26 0.00	23.43 -0.33 0.00	23.14 -0.31 0.00	22.52 -0.30 0.00	17.77 -0.22 0.00	15.78 -0.18 0.00
HQ_GEN_WHEEL 23651	13.03 -0.14 0.00	13.03 -0.13 0.00	13.03 -0.13 0.00	13.03 -0.12 0.00	13.03 -0.11 0.00	17.44 -0.21 0.00	20.97 -0.30 0.00	22.22 -0.27 0.00	23.33 -0.33 0.00	21.59 -0.28 0.00	21.01 -0.25 0.00	21.15 -0.30 0.00	18.85 -0.25 0.00	19.33 -0.27 0.00	19.07 -0.27 0.00	19.16 -0.27 0.00	18.50 -0.26 0.00	20.59 -0.25 0.00	21.71 -0.26 0.00	23.43 -0.33 0.00	23.14 -0.31 0.00	22.52 -0.30 0.00	17.77 -0.22 0.00	15.78 -0.18 0.00
HUDSON_AVE_GT_3 23810	21.20 0.90 -7.13	20.32 0.88 -6.28	19.51 0.87 -5.48	19.72 0.88 -5.69	19.82 0.83 -5.86	20.83 1.18 -1.99	25.86 1.36 -3.23	30.14 1.60 -6.05	27.70 1.92 -2.13	23.80 1.73 -0.20	23.19 1.72 -0.20	23.48 1.80 -0.22	24.13 1.66 -3.36	25.15 1.73 -3.82	26.18 1.70 -5.13	28.63 1.71 -7.49	31.17 1.56 -10.84	36.24 1.61 -13.79	43.21 1.80 -19.43	40.29 1.88 -14.65	39.69 1.83 -14.41	32.98 1.73 -8.43	26.13 1.28 -6.87	24.16 1.12 -7.09
HUDSON_AVE_GT_4 23540	21.20 0.90 -7.13	20.32 0.88 -6.28	19.51 0.87 -5.48	19.72 0.88 -5.69	19.82 0.83 -5.86	20.83 1.18 -1.99	25.86 1.36 -3.23	30.14 1.60 -6.05	27.70 1.92 -2.13	23.80 1.73 -0.20	23.19 1.72 -0.20	23.48 1.80 -0.22	24.13 1.66 -3.36	25.15 1.73 -3.82	26.18 1.70 -5.13	28.63 1.71 -7.49	31.17 1.56 -10.84	36.24 1.61 -13.79	43.21 1.80 -19.43	40.29 1.88 -14.65	39.69 1.83 -14.41	32.98 1.73 -8.43	26.13 1.28 -6.87	24.16 1.12 -7.09
HUDSON_AVE_GT_5 23657	21.20 0.90 -7.13	20.32 0.88 -6.28	19.51 0.87 -5.48	19.72 0.88 -5.69	19.82 0.83 -5.86	20.83 1.18 -1.99	25.86 1.36 -3.23	30.14 1.60 -6.05	27.70 1.92 -2.13	23.80 1.73 -0.20	23.19 1.72 -0.20	23.48 1.80 -0.22	24.13 1.66 -3.36	25.15 1.73 -3.82	26.18 1.70 -5.13	28.63 1.71 -7.49	31.17 1.56 -10.84	36.24 1.61 -13.79	43.21 1.80 -19.43	40.29 1.88 -14.65	39.69 1.83 -14.41	32.98 1.73 -8.43	26.13 1.28 -6.87	24.16 1.12 -7.09



HUDSON_AVE_10 24168	21.13 0.86 -7.10	20.26 0.84 -6.25	19.45 0.83 -5.46	19.66 0.84 -5.67	19.79 0.81 -5.84	20.79 1.15 -1.99	25.80 1.32 -3.22	30.11 1.57 -6.04	27.67 1.89 -2.13	23.77 1.71 -0.20	23.13 1.66 -0.21	23.41 1.74 -0.22	23.84 1.62 -3.11	24.80 1.67 -3.53	25.76 1.66 -4.75	28.03 1.67 -6.93	30.29 1.48 -10.04	35.16 1.54 -12.77	41.72 1.74 -18.01	39.17 1.81 -13.60	38.58 1.76 -13.37	32.31 1.67 -7.82	25.60 1.24 -6.38	23.52 0.99 -6.58
HUDSON___115KV_TB 4 355613	22.51 0.34 -8.99	21.38 0.30 -7.92	20.37 0.29 -6.92	20.62 0.29 -7.18	20.87 0.34 -7.39	20.70 0.53 -2.51	26.08 0.74 -4.07	30.84 0.70 -7.66	27.15 0.80 -2.69	22.46 0.70 0.11	21.87 0.72 0.11	22.08 0.75 0.12	23.12 0.69 -3.34	23.99 0.71 -3.69	25.14 0.72 -5.08	27.68 0.72 -7.53	30.69 0.71 -11.21	36.09 0.85 -14.39	43.76 0.81 -20.97	41.65 0.90 -16.98	41.07 0.91 -16.71	33.57 0.84 -9.91	26.71 0.65 -8.08	24.49 0.46 -8.07
HUNTER MOUNT___DRP 323613	22.04 0.30 -8.56	20.95 0.25 -7.54	19.98 0.24 -6.59	20.22 0.24 -6.84	20.47 0.30 -7.04	20.58 0.53 -2.39	25.93 0.79 -3.88	30.50 0.72 -7.29	27.02 0.80 -2.56	22.57 0.74 0.05	22.02 0.81 0.05	22.19 0.79 0.05	23.10 0.73 -3.27	23.98 0.74 -3.64	25.08 0.75 -4.98	27.58 0.78 -7.37	30.42 0.73 -10.92	35.75 0.92 -13.99	43.05 0.81 -20.26	40.85 0.88 -16.21	40.34 0.94 -15.95	33.08 0.82 -9.43	26.32 0.65 -7.69	24.13 0.45 -7.72
HUNTINGTON_RES_REC 323705	21.46 1.16 -7.13	21.84 1.17 -7.51	20.00 1.16 -5.68	20.00 1.16 -5.69	21.04 1.12 -6.78	21.42 1.57 -2.20	26.37 1.87 -3.23	30.68 2.14 -6.06	28.20 2.41 -2.13	24.28 2.21 -0.20	23.57 2.11 -0.20	23.84 2.17 -0.22	24.49 2.02 -3.37	25.48 2.06 -3.82	34.26 2.09 -12.82	30.79 2.10 -9.26	31.98 1.95 -11.26	38.59 2.08 -15.67	45.72 2.11 -21.63	43.21 2.38 -17.06	45.14 2.30 -19.39	35.95 2.21 -10.91	29.29 1.76 -9.54	24.49 1.44 -7.09
HUNTLEY___63 23557	13.78 -0.54 -1.14	13.56 -0.61 -1.01	13.41 -0.63 -0.88	13.40 -0.66 -0.91	13.41 -0.67 -0.94	17.18 -0.79 -0.32	21.02 -0.77 -0.52	22.23 -1.24 -0.97	22.53 -1.47 -0.34	20.74 -1.14 -0.01	20.12 -1.15 -0.01	20.26 -1.20 -0.01	18.57 -0.99 -0.46	19.14 -0.98 -0.52	19.04 -1.01 -0.71	19.44 -1.03 -1.04	19.28 -1.01 -1.52	21.45 -1.33 -1.94	23.13 -1.63 -2.78	24.25 -1.69 -2.18	24.06 -1.52 -2.14	22.69 -1.39 -1.26	18.15 -0.86 -1.03	16.54 -0.46 -1.04
HUNTLEY___64 23558	13.78 -0.54 -1.14	13.56 -0.61 -1.01	13.41 -0.63 -0.88	13.40 -0.66 -0.91	13.41 -0.67 -0.94	17.18 -0.79 -0.32	21.02 -0.77 -0.52	22.23 -1.24 -0.97	22.53 -1.47 -0.34	20.74 -1.14 -0.01	20.12 -1.15 -0.01	20.26 -1.20 -0.01	18.57 -0.99 -0.46	19.14 -0.98 -0.52	19.04 -1.01 -0.71	19.44 -1.03 -1.04	19.28 -1.01 -1.52	21.45 -1.33 -1.94	23.13 -1.63 -2.78	24.25 -1.69 -2.18	24.06 -1.52 -2.14	22.69 -1.39 -1.26	18.15 -0.86 -1.03	16.54 -0.46 -1.04
HUNTLEY___65 23559	13.78 -0.54 -1.14	13.56 -0.61 -1.01	13.41 -0.63 -0.88	13.40 -0.66 -0.91	13.41 -0.67 -0.94	17.18 -0.79 -0.32	21.02 -0.77 -0.52	22.23 -1.24 -0.97	22.53 -1.47 -0.34	20.74 -1.14 -0.01	20.12 -1.15 -0.01	20.26 -1.20 -0.01	18.57 -0.99 -0.46	19.14 -0.98 -0.52	19.04 -1.01 -0.71	19.44 -1.03 -1.04	19.28 -1.01 -1.52	21.45 -1.33 -1.94	23.13 -1.63 -2.78	24.25 -1.69 -2.18	24.06 -1.52 -2.14	22.69 -1.39 -1.26	18.15 -0.86 -1.03	16.54 -0.46 -1.04
HUNTLEY___66 23560	13.78 -0.54 -1.14	13.56 -0.61 -1.01	13.41 -0.63 -0.88	13.40 -0.66 -0.91	13.41 -0.67 -0.94	17.18 -0.79 -0.32	21.02 -0.77 -0.52	22.23 -1.24 -0.97	22.53 -1.47 -0.34	20.74 -1.14 -0.01	20.12 -1.15 -0.01	20.26 -1.20 -0.01	18.57 -0.99 -0.46	19.14 -0.98 -0.52	19.04 -1.01 -0.71	19.44 -1.03 -1.04	19.28 -1.01 -1.52	21.45 -1.33 -1.94	23.13 -1.63 -2.78	24.25 -1.69 -2.18	24.06 -1.52 -2.14	22.69 -1.39 -1.26	18.15 -0.86 -1.03	16.54 -0.46 -1.04
HUNTLEY___67 23561	13.78 -0.58 -1.18	13.57 -0.63 -1.04	13.40 -0.67 -0.91	13.41 -0.68 -0.94	13.41 -0.70 -0.97	17.14 -0.85 -0.33	20.99 -0.81 -0.53	22.21 -1.28 -1.01	22.50 -1.51 -0.35	20.70 -1.18 -0.01	20.08 -1.19 -0.01	20.24 -1.22 -0.01	18.55 -1.03 -0.48	19.12 -1.02 -0.54	19.03 -1.04 -0.73	19.43 -1.07 -1.07	19.33 -1.01 -1.57	21.52 -1.33 -2.01	23.22 -1.63 -2.87	24.32 -1.69 -2.24	24.13 -1.52 -2.21	22.68 -1.44 -1.30	18.13 -0.92 -1.06	16.52 -0.51 -1.08
HUNTLEY___68 23562	13.78 -0.58 -1.18	13.57 -0.63 -1.04	13.40 -0.67 -0.91	13.41 -0.68 -0.94	13.41 -0.70 -0.97	17.14 -0.85 -0.33	20.99 -0.81 -0.53	22.21 -1.28 -1.01	22.50 -1.51 -0.35	20.70 -1.18 -0.01	20.08 -1.19 -0.01	20.24 -1.22 -0.01	18.55 -1.03 -0.48	19.12 -1.02 -0.54	19.03 -1.04 -0.73	19.43 -1.07 -1.07	19.33 -1.01 -1.57	21.52 -1.33 -2.01	23.22 -1.63 -2.87	24.32 -1.69 -2.24	24.13 -1.52 -2.21	22.68 -1.44 -1.30	18.13 -0.92 -1.06	16.52 -0.51 -1.08
HYLAND___LFGE 323620	14.69 0.25 -1.26	14.44 0.17 -1.11	14.34 0.21 -0.97	14.26 0.10 -1.01	14.27 0.09 -1.04	18.36 0.35 -0.35	22.67 0.83 -0.57	24.12 0.54 -1.09	24.06 0.02 -0.38	21.70 -0.18 0.00	20.99 -0.28 0.00	21.17 -0.28 0.00	19.38 -0.21 -0.49	19.94 -0.22 -0.55	19.88 -0.21 -0.75	20.38 -0.16 -1.11	20.37 -0.04 -1.64	22.86 -0.08 -2.10	25.04 0.04 -3.02	26.54 0.38 -2.39	26.25 0.44 -2.35	24.67 0.46 -1.39	19.42 0.31 -1.13	17.61 0.51 -1.14
INDECK___CORINTH 23802	23.41 0.45 -9.79	22.22 0.43 -8.62	21.11 0.42 -7.53	21.39 0.42 -7.82	21.61 0.43 -8.04	21.03 0.63 -2.74	26.72 1.02 -4.43	31.88 1.06 -8.33	27.72 1.14 -2.93	22.60 0.94 0.21	21.87 0.83 0.22	22.11 0.90 0.24	23.46 0.78 -3.58	24.35 0.82 -3.93	25.04 0.25 -5.44	27.81 0.27 -8.11	31.31 0.39 -12.15	36.95 0.48 -15.63	45.39 0.46 -22.95	43.26 0.62 -18.88	42.71 0.68 -18.58	34.48 0.62 -11.05	27.92 0.93 -9.00	25.63 0.73 -8.93
INDECK___ILION 23567	13.18 -0.03 -0.03	13.16 -0.03 -0.03	13.15 -0.04 -0.03	13.14 -0.04 -0.03	13.11 -0.05 -0.03	17.63 -0.04 -0.01	21.22 -0.06 -0.01	22.45 -0.07 -0.03	23.60 -0.07 -0.01	21.78 -0.09 0.00	21.16 -0.11 0.00	21.32 -0.13 0.00	19.00 -0.11 -0.01	19.50 -0.12 -0.01	19.23 -0.14 -0.02	19.34 -0.12 -0.03	18.70 -0.11 -0.04	20.79 -0.10 -0.05	21.96 -0.09 -0.08	23.76 -0.07 -0.06	23.44 -0.07 -0.06	22.79 -0.07 -0.04	17.96 -0.05 -0.03	15.92 -0.06 -0.03
INDECK___OLEAN 23982	14.07 -0.47 -1.37	13.86 -0.51 -1.21	13.73 -0.49 -1.06	13.69 -0.55 -1.10	13.70 -0.56 -1.13	17.42 -0.62 -0.38	21.40 -0.49 -0.62	22.99 -0.70 -1.20	23.15 -0.92 -0.42	21.70 -0.18 0.00	21.07 -0.19 0.00	21.22 -0.24 0.00	18.97 -0.67 -0.54	19.56 -0.65 -0.61	19.51 -0.66 -0.83	19.97 -0.68 -1.22	19.89 -0.67 -1.80	22.25 -0.90 -2.30	24.13 -1.17 -3.32	25.26 -1.14 -2.63	25.07 -0.96 -2.59	23.32 -1.03 -1.53	18.57 -0.67 -1.25	16.83 -0.38 -1.26
INDECK___OSWEGO 23783	13.43 -0.41 -0.67	13.31 -0.43 -0.59	13.24 -0.43 -0.51	13.22 -0.46 -0.53	13.21 -0.47 -0.55	17.29 -0.55 -0.19	20.97 -0.60 -0.30	22.36 -0.70 -0.57	23.08 -0.78 -0.20	21.15 -0.72 0.00	20.54 -0.72 0.00	20.74 -0.71 0.00	18.73 -0.63 -0.26	19.26 -0.63 -0.29	19.10 -0.64 -0.40	19.37 -0.64 -0.58	19.03 -0.60 -0.86	21.23 -0.71 -1.10	22.81 -0.75 -1.59	24.29 -0.74 -1.26	23.96 -0.73 -1.24	22.87 -0.68 -0.73	18.02 -0.56 -0.60	16.10 -0.46 -0.60



INDECK___YERKES 23781	13.80 -0.53 -1.15	13.59 -0.59 -1.02	13.50 -0.55 -0.89	13.43 -0.64 -0.92	13.43 -0.66 -0.95	17.20 -0.78 -0.32	21.05 -0.74 -0.52	22.27 -1.21 -1.00	22.56 -1.44 -0.35	20.76 -1.11 0.00	20.11 -1.15 0.00	20.27 -1.18 0.00	18.56 -0.99 -0.45	19.13 -0.98 -0.50	19.03 -1.01 -0.69	19.42 -1.03 -1.02	19.27 -1.00 -1.50	21.43 -1.33 -1.92	23.12 -1.63 -2.77	24.29 -1.66 -2.19	24.10 -1.50 -2.16	22.73 -1.37 -1.27	18.16 -0.86 -1.04	16.56 -0.45 -1.05
INDIAN POINT_GT_1 24139	20.97 0.76 -7.03	20.11 0.75 -6.19	19.31 0.74 -5.41	19.51 0.75 -5.62	19.62 0.71 -5.78	20.65 1.02 -1.97	25.64 1.19 -3.19	29.81 1.35 -5.97	27.36 1.61 -2.10	23.51 1.44 -0.19	22.91 1.45 -0.20	23.17 1.50 -0.22	23.84 1.41 -3.33	24.85 1.47 -3.78	25.89 1.47 -5.07	28.31 1.48 -7.40	30.86 1.37 -10.72	35.94 1.46 -13.64	42.75 1.56 -19.21	39.90 1.64 -14.49	39.32 1.62 -14.25	32.66 1.51 -8.34	25.90 1.12 -6.80	23.93 0.96 -7.01
INDIAN POINT_GT_2 23659	20.97 0.76 -7.03	20.11 0.75 -6.19	19.31 0.74 -5.41	19.51 0.75 -5.62	19.62 0.71 -5.78	20.65 1.02 -1.97	25.64 1.19 -3.19	29.81 1.35 -5.97	27.36 1.61 -2.10	23.51 1.44 -0.19	22.91 1.45 -0.20	23.17 1.50 -0.22	23.84 1.41 -3.33	24.85 1.47 -3.78	25.89 1.47 -5.07	28.31 1.48 -7.40	30.86 1.37 -10.72	35.94 1.46 -13.64	42.75 1.56 -19.21	39.90 1.64 -14.49	39.32 1.62 -14.25	32.66 1.51 -8.34	25.90 1.12 -6.80	23.93 0.96 -7.01
INDIAN POINT_GT_3 24019	20.97 0.76 -7.03	20.11 0.75 -6.19	19.31 0.74 -5.41	19.51 0.75 -5.62	19.62 0.71 -5.78	20.65 1.02 -1.97	25.64 1.19 -3.19	29.81 1.35 -5.97	27.36 1.61 -2.10	23.51 1.44 -0.19	22.91 1.45 -0.20	23.17 1.50 -0.22	23.84 1.41 -3.33	24.85 1.47 -3.78	25.89 1.47 -5.07	28.31 1.48 -7.40	30.86 1.37 -10.72	35.94 1.46 -13.64	42.75 1.56 -19.21	39.90 1.64 -14.49	39.32 1.62 -14.25	32.66 1.51 -8.34	25.90 1.12 -6.80	23.93 0.96 -7.01
INDIAN POINT___2 23530	20.84 0.76 -6.90	19.99 0.75 -6.08	19.22 0.75 -5.31	19.41 0.75 -5.51	19.53 0.72 -5.67	20.61 1.02 -1.93	25.58 1.19 -3.12	29.72 1.37 -5.86	27.35 1.63 -2.06	23.50 1.44 -0.19	22.90 1.45 -0.19	23.16 1.50 -0.21	23.79 1.41 -3.27	24.79 1.47 -3.72	25.81 1.47 -4.99	28.19 1.48 -7.29	30.69 1.37 -10.56	35.73 1.46 -13.42	42.46 1.56 -18.92	39.71 1.66 -14.28	39.11 1.62 -14.04	32.54 1.51 -8.21	25.81 1.13 -6.70	23.82 0.96 -6.91
INDIAN POINT___3 23531	20.94 0.75 -7.01	20.07 0.74 -6.17	19.29 0.74 -5.39	19.48 0.74 -5.60	19.62 0.72 -5.76	20.64 1.02 -1.96	25.63 1.19 -3.17	29.80 1.35 -5.97	27.36 1.61 -2.10	23.51 1.44 -0.19	22.89 1.42 -0.20	23.15 1.48 -0.22	23.57 1.39 -3.07	24.54 1.45 -3.49	25.48 1.45 -4.68	27.72 1.46 -6.84	30.03 1.35 -9.91	34.88 1.44 -12.60	41.28 1.54 -17.77	38.83 1.64 -13.42	38.24 1.59 -13.20	32.05 1.51 -7.72	25.39 1.12 -6.29	23.33 0.88 -6.49
INGHAM_C_115KV_TB7 356103	13.10 -0.11 -0.03	13.07 -0.12 -0.03	13.07 -0.12 -0.03	13.04 -0.13 -0.03	13.02 -0.14 -0.03	17.51 -0.16 -0.01	21.05 -0.23 -0.01	22.25 -0.27 -0.03	23.41 -0.26 -0.01	21.56 -0.31 0.00	20.92 -0.34 0.00	21.06 -0.39 0.00	18.73 -0.38 -0.01	19.22 -0.39 -0.01	18.96 -0.41 -0.02	19.07 -0.39 -0.03	18.45 -0.36 -0.04	20.52 -0.38 -0.05	21.70 -0.35 -0.08	23.47 -0.36 -0.06	23.16 -0.35 -0.06	22.54 -0.32 -0.04	17.78 -0.23 -0.03	15.80 -0.19 -0.03
IP CORINTH___1 23988	23.48 0.45 -9.86	22.28 0.43 -8.69	21.15 0.41 -7.58	21.44 0.42 -7.88	21.67 0.43 -8.10	21.05 0.64 -2.76	26.75 1.02 -4.47	31.94 1.06 -8.40	27.74 1.14 -2.95	22.66 0.94 0.15	21.93 0.83 0.16	22.18 0.90 0.17	23.49 0.78 -3.60	24.40 0.82 -3.97	25.18 0.35 -5.48	27.96 0.39 -8.14	31.41 0.49 -12.16	37.06 0.60 -15.62	45.37 0.57 -22.83	43.10 0.74 -18.60	42.55 0.80 -18.31	34.42 0.73 -10.86	27.78 0.94 -8.86	25.51 0.73 -8.82
IP___TICONDEROGA 23804	24.02 1.00 -9.84	22.82 0.99 -8.67	21.67 0.93 -7.57	21.96 0.95 -7.86	22.20 0.97 -8.09	21.82 1.41 -2.75	27.77 2.04 -4.46	33.03 2.16 -8.38	28.85 2.25 -2.95	23.66 1.95 0.16	22.86 1.76 0.16	23.14 1.87 0.18	24.18 1.49 -3.59	25.10 1.55 -3.95	25.92 1.12 -5.46	28.80 1.26 -8.11	32.30 1.43 -12.11	38.09 1.69 -15.56	46.35 1.63 -22.75	44.30 1.97 -18.56	43.94 2.23 -18.27	35.72 2.05 -10.84	28.64 1.82 -8.84	26.24 1.48 -8.80
ISLIP_RES_REC 323679	21.54 1.24 -7.13	21.94 1.26 -7.51	20.11 1.26 -5.68	20.11 1.26 -5.69	21.14 1.22 -6.78	21.55 1.70 -2.20	26.52 2.02 -3.23	30.84 2.29 -6.06	28.36 2.58 -2.13	24.43 2.36 -0.20	23.70 2.23 -0.20	23.95 2.27 -0.22	24.61 2.14 -3.37	25.58 2.16 -3.82	34.37 2.20 -12.82	30.90 2.21 -9.26	32.13 2.10 -11.26	38.76 2.25 -15.67	45.89 2.29 -21.63	43.42 2.59 -17.06	45.35 2.51 -19.39	36.15 2.42 -10.91	29.45 1.93 -9.54	24.61 1.56 -7.09
JAMAICA__27_KV_LOAD 355505	21.17 0.90 -7.10	20.30 0.88 -6.25	19.49 0.87 -5.46	19.69 0.87 -5.67	19.81 0.84 -5.84	20.86 1.22 -1.99	25.93 1.45 -3.22	30.29 1.75 -6.04	27.86 2.08 -2.13	23.93 1.86 -0.20	23.19 1.72 -0.21	23.50 1.82 -0.22	23.90 1.68 -3.11	24.92 1.78 -3.53	25.85 1.76 -4.75	28.13 1.77 -6.93	30.35 1.54 -10.04	35.20 1.58 -12.77	41.83 1.85 -18.01	39.29 1.93 -13.60	38.67 1.85 -13.37	32.38 1.73 -7.82	25.71 1.35 -6.38	23.60 1.07 -6.58
JANIS___SOLAR 323808	15.49 0.47 -1.84	15.23 0.45 -1.62	15.04 0.46 -1.42	15.03 0.41 -1.47	15.04 0.39 -1.51	18.91 0.74 -0.52	23.04 0.93 -0.83	27.64 2.65 -2.50	26.71 2.17 -0.88	23.49 1.62 0.00	22.33 1.06 0.00	22.29 0.84 0.00	20.79 0.57 -1.12	21.44 0.59 -1.25	21.55 0.50 -1.70	22.58 0.64 -2.51	23.38 0.90 -3.71	27.17 1.58 -4.75	31.19 2.37 -6.84	32.39 3.21 -5.42	31.90 3.12 -5.33	28.85 2.88 -3.15	22.51 1.96 -2.57	20.18 1.63 -2.59
JARVIS____ 23743	13.16 -0.01 0.00	13.15 -0.01 0.00	13.15 -0.01 0.00	13.12 -0.03 0.00	13.11 -0.03 0.00	17.64 -0.02 0.00	21.27 0.00 0.00	22.49 0.00 0.00	23.66 0.00 0.00	21.87 0.00 0.00	21.24 -0.02 0.00	21.45 0.00 0.00	19.08 -0.02 0.00	19.60 0.00 0.00	19.34 0.00 0.00	19.43 0.00 0.00	18.77 0.00 0.00	20.84 0.00 0.00	21.97 0.00 0.00	23.77 0.00 0.00	23.45 0.00 0.00	22.82 0.00 0.00	17.99 0.00 0.00	15.94 -0.02 0.00
JENNISON___1 23625	16.36 0.57 -2.61	16.02 0.55 -2.30	15.71 0.54 -2.01	15.76 0.53 -2.09	15.80 0.51 -2.15	19.27 0.88 -0.73	23.51 1.06 -1.18	26.13 1.42 -2.23	25.72 1.28 -0.78	23.02 1.12 -0.03	22.23 0.94 -0.04	22.35 0.86 -0.04	20.83 0.65 -1.08	21.51 0.69 -1.22	21.63 0.64 -1.65	22.53 0.68 -2.42	23.04 0.73 -3.54	26.34 0.98 -4.52	29.66 1.25 -6.44	30.36 1.62 -4.98	29.89 1.55 -4.90	27.14 1.44 -2.88	21.34 1.01 -2.35	19.18 0.83 -2.39
JENNISON___2 23626	16.36 0.57 -2.61	16.02 0.55 -2.30	15.71 0.54 -2.01	15.76 0.53 -2.09	15.80 0.51 -2.15	19.27 0.88 -0.73	23.51 1.06 -1.18	26.13 1.42 -2.23	25.72 1.28 -0.78	23.02 1.12 -0.03	22.23 0.94 -0.04	22.35 0.86 -0.04	20.83 0.65 -1.08	21.51 0.69 -1.22	21.63 0.64 -1.65	22.53 0.68 -2.42	23.04 0.73 -3.54	26.34 0.98 -4.52	29.66 1.25 -6.44	30.36 1.62 -4.98	29.89 1.55 -4.90	27.14 1.44 -2.88	21.34 1.01 -2.35	19.18 0.83 -2.39



JERICO_RISE_WT_PWR 323719	12.90 -0.28 0.00	12.93 -0.24 0.00	13.00 -0.16 0.00	13.06 -0.09 0.00	13.18 0.04 0.00	17.62 -0.04 0.00	21.27 0.00 0.00	22.62 0.14 0.00	23.70 0.05 0.00	21.96 0.09 0.00	21.33 0.06 0.00	21.37 -0.09 0.00	19.04 -0.06 0.00	19.41 -0.20 0.00	19.17 -0.17 0.00	19.22 -0.21 0.00	18.52 -0.24 0.00	20.76 -0.08 0.00	22.00 0.02 0.00	23.74 -0.02 0.00	23.45 0.00 0.00	22.82 0.00 0.00	17.97 -0.02 0.00	15.99 0.03 0.00
KATONAH__115KV_46KV_TB4 355592	21.20 0.79 -7.24	20.30 0.76 -6.37	19.48 0.75 -5.57	19.70 0.78 -5.78	19.82 0.74 -5.95	20.72 1.04 -2.02	25.74 1.19 -3.28	30.00 1.35 -6.16	27.48 1.66 -2.17	23.54 1.47 -0.20	22.98 1.51 -0.21	23.25 1.57 -0.23	23.71 1.43 -3.18	24.72 1.51 -3.60	25.72 1.53 -4.84	28.03 1.53 -7.07	30.45 1.45 -10.24	35.43 1.56 -13.03	41.98 1.65 -18.36	39.34 1.71 -13.86	38.77 1.69 -13.63	32.35 1.55 -7.97	25.60 1.12 -6.50	23.57 0.91 -6.70
KCE_NY_1 323755	23.49 0.57 -9.75	22.30 0.55 -8.58	21.20 0.54 -7.50	21.47 0.54 -7.78	21.68 0.54 -8.01	21.16 0.78 -2.73	26.79 1.11 -4.42	31.91 1.12 -8.30	27.78 1.21 -2.92	22.68 1.03 0.22	21.99 0.96 0.23	22.21 1.01 0.25	23.54 0.90 -3.54	24.43 0.94 -3.89	25.53 0.79 -5.39	28.26 0.80 -8.03	31.69 0.86 -12.05	37.35 1.00 -15.51	45.79 1.01 -22.80	43.72 1.16 -18.79	43.14 1.20 -18.50	34.96 1.14 -11.00	27.94 0.99 -8.97	25.65 0.80 -8.89
KCE_NY_6_ESR 323823	13.92 -0.47 -1.22	13.71 -0.53 -1.08	13.60 -0.50 -0.94	13.55 -0.58 -0.98	13.55 -0.59 -1.00	17.31 -0.69 -0.34	21.20 -0.62 -0.55	22.53 -1.01 -1.06	22.80 -1.23 -0.37	21.06 -0.81 0.00	20.45 -0.81 0.00	20.59 -0.86 0.00	18.76 -0.82 -0.48	19.33 -0.80 -0.53	19.26 -0.81 -0.73	19.67 -0.83 -1.08	19.53 -0.83 -1.59	21.77 -1.11 -2.03	23.52 -1.38 -2.93	24.68 -1.40 -2.32	24.49 -1.24 -2.28	23.01 -1.16 -1.35	18.36 -0.72 -1.10	16.72 -0.35 -1.11
KEDC_PORT_JEFF_GT2 24210	21.49 1.19 -7.13	21.88 1.21 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.09 1.17 -6.78	21.47 1.62 -2.20	26.39 1.89 -3.23	30.70 2.16 -6.06	28.22 2.44 -2.13	24.30 2.23 -0.20	23.57 2.11 -0.20	23.84 2.17 -0.22	24.51 2.04 -3.37	25.48 2.06 -3.82	34.26 2.09 -12.82	30.79 2.10 -9.26	32.00 1.97 -11.26	38.59 2.08 -15.67	45.65 2.04 -21.63	43.16 2.33 -17.06	45.11 2.27 -19.39	35.97 2.24 -10.91	29.32 1.80 -9.54	24.50 1.45 -7.09
KEDC_PORT_JEFF_GT3 24211	21.49 1.19 -7.13	21.88 1.21 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.09 1.17 -6.78	21.47 1.62 -2.20	26.39 1.89 -3.23	30.70 2.16 -6.06	28.22 2.44 -2.13	24.30 2.23 -0.20	23.57 2.11 -0.20	23.84 2.17 -0.22	24.51 2.04 -3.37	25.48 2.06 -3.82	34.26 2.09 -12.82	30.79 2.10 -9.26	32.00 1.97 -11.26	38.59 2.08 -15.67	45.65 2.04 -21.63	43.16 2.33 -17.06	45.11 2.27 -19.39	35.97 2.24 -10.91	29.32 1.80 -9.54	24.50 1.45 -7.09
KEDC_GLWD_GT4 24219	21.31 1.00 -7.13	21.66 0.99 -7.51	19.82 0.97 -5.68	19.83 0.99 -5.69	20.87 0.95 -6.78	21.19 1.34 -2.20	26.07 1.57 -3.23	30.34 1.80 -6.06	27.87 2.08 -2.13	23.95 1.88 -0.20	23.32 1.85 -0.20	23.58 1.91 -0.22	24.26 1.79 -3.37	25.25 1.82 -3.82	34.01 1.84 -12.82	30.54 1.85 -9.26	31.74 1.71 -11.26	38.34 1.83 -15.67	45.54 1.93 -21.63	42.92 2.09 -17.06	44.90 2.06 -19.39	35.67 1.94 -10.91	28.98 1.46 -9.54	24.28 1.23 -7.09
KEDC_GLWD_GT5 24220	21.31 1.00 -7.13	21.66 0.99 -7.51	19.82 0.97 -5.68	19.83 0.99 -5.69	20.87 0.95 -6.78	21.19 1.34 -2.20	26.07 1.57 -3.23	30.34 1.80 -6.06	27.87 2.08 -2.13	23.95 1.88 -0.20	23.32 1.85 -0.20	23.58 1.91 -0.22	24.26 1.79 -3.37	25.25 1.82 -3.82	34.01 1.84 -12.82	30.54 1.85 -9.26	31.74 1.71 -11.26	38.34 1.83 -15.67	45.54 1.93 -21.63	42.92 2.09 -17.06	44.90 2.06 -19.39	35.67 1.94 -10.91	28.98 1.46 -9.54	24.28 1.23 -7.09
KENSICO____ 23655	21.07 0.80 -7.10	20.20 0.79 -6.25	19.39 0.78 -5.46	19.59 0.78 -5.67	19.73 0.76 -5.83	20.70 1.06 -1.98	25.71 1.23 -3.21	29.95 1.42 -6.04	27.46 1.68 -2.12	23.58 1.51 -0.19	22.98 1.51 -0.20	23.24 1.57 -0.22	23.68 1.47 -3.11	24.66 1.53 -3.53	25.61 1.53 -4.74	27.89 1.53 -6.92	30.21 1.41 -10.03	35.10 1.50 -12.76	41.57 1.60 -17.99	39.06 1.71 -13.58	38.47 1.66 -13.36	32.21 1.57 -7.82	25.53 1.17 -6.37	23.45 0.93 -6.57
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	20.58 1.03 -6.38	19.71 0.93 -5.62	18.99 0.92 -4.90	19.17 0.93 -5.09	19.35 0.97 -5.24	20.89 1.45 -1.78	25.77 1.62 -2.89	29.69 1.78 -5.43	27.55 1.99 -1.91	23.60 1.60 -0.13	23.06 1.66 -0.14	23.23 1.63 -0.15	23.29 1.47 -2.72	24.20 1.53 -3.07	25.03 1.55 -4.14	27.08 1.59 -6.06	29.05 1.46 -8.82	33.70 1.63 -11.24	39.57 1.67 -15.93	37.73 1.78 -12.18	37.21 1.78 -11.98	31.44 1.60 -7.02	24.90 1.19 -5.73	22.71 0.88 -5.87
KIAC_JFK_GT1 23816	21.13 0.83 -7.13	20.26 0.82 -6.28	19.45 0.80 -5.48	19.64 0.80 -5.69	19.75 0.76 -5.86	20.78 1.13 -1.99	25.86 1.36 -3.23	30.18 1.64 -6.05	27.77 1.99 -2.13	23.82 1.75 -0.20	23.10 1.64 -0.20	23.39 1.72 -0.22	24.07 1.60 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.00 1.39 -10.84	36.05 1.42 -13.79	43.07 1.67 -19.43	40.13 1.71 -14.65	39.52 1.66 -14.41	32.78 1.53 -8.43	26.13 1.28 -6.87	24.15 1.10 -7.09
KIAC_JFK_GT2 23817	21.13 0.83 -7.13	20.26 0.82 -6.28	19.45 0.80 -5.48	19.64 0.80 -5.69	19.75 0.76 -5.86	20.78 1.13 -1.99	25.86 1.36 -3.23	30.18 1.64 -6.05	27.77 1.99 -2.13	23.82 1.75 -0.20	23.10 1.64 -0.20	23.39 1.72 -0.22	24.07 1.60 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.00 1.39 -10.84	36.05 1.42 -13.79	43.07 1.67 -19.43	40.13 1.71 -14.65	39.52 1.66 -14.41	32.78 1.53 -8.43	26.13 1.28 -6.87	24.15 1.10 -7.09
KIAC_JFK____ 323774	21.13 0.83 -7.13	20.26 0.82 -6.28	19.45 0.80 -5.48	19.64 0.80 -5.69	19.75 0.76 -5.86	20.78 1.13 -1.99	25.86 1.36 -3.23	30.18 1.64 -6.05	27.77 1.99 -2.13	23.82 1.75 -0.20	23.10 1.64 -0.20	23.39 1.72 -0.22	24.07 1.60 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.00 1.39 -10.84	36.05 1.42 -13.79	43.07 1.67 -19.43	40.13 1.71 -14.65	39.52 1.66 -14.41	32.78 1.53 -8.43	26.13 1.28 -6.87	24.15 1.10 -7.09
KINTIGH____ 23543	13.74 -0.49 -1.05	13.53 -0.55 -0.92	13.39 -0.58 -0.81	13.40 -0.59 -0.84	13.39 -0.60 -0.86	17.23 -0.72 -0.29	21.04 -0.70 -0.48	22.26 -1.12 -0.89	22.65 -1.32 -0.31	20.68 -1.20 -0.01	20.06 -1.21 -0.01	20.22 -1.24 -0.01	18.63 -0.90 -0.42	19.18 -0.90 -0.48	19.06 -0.93 -0.65	19.43 -0.95 -0.95	19.28 -0.88 -1.40	21.46 -1.17 -1.78	23.12 -1.41 -2.56	24.31 -1.45 -2.00	24.07 -1.34 -1.96	22.75 -1.23 -1.16	18.12 -0.81 -0.94	16.47 -0.45 -0.96
KNTFSRNC_46_KV_46KV_LOAD 80397	13.08 -0.14 -0.05	13.09 -0.12 -0.04	13.19 -0.01 -0.04	13.23 0.04 -0.04	13.37 0.20 -0.04	17.86 0.19 -0.01	21.59 0.30 -0.02	23.23 0.70 -0.04	24.31 0.64 -0.01	22.53 0.66 0.00	21.88 0.62 0.00	21.88 0.43 0.00	19.54 0.42 -0.02	19.86 0.24 -0.02	19.66 0.29 -0.03	19.75 0.27 -0.04	19.06 0.23 -0.06	21.43 0.50 -0.08	22.77 0.68 -0.12	24.53 0.67 -0.09	24.24 0.70 -0.09	23.54 0.66 -0.05	18.48 0.45 -0.04	16.45 0.45 -0.05



LACHUTE____HYDRO 323717	23.95 1.00 -9.77	22.76 0.99 -8.61	21.61 0.93 -7.52	21.90 0.95 -7.80	22.15 0.99 -8.03	21.80 1.41 -2.73	27.74 2.04 -4.43	32.97 2.16 -8.32	28.83 2.25 -2.92	23.60 1.95 0.22	22.80 1.76 0.23	23.07 1.87 0.25	24.16 1.49 -3.56	25.06 1.55 -3.91	25.89 1.12 -5.42	28.75 1.24 -8.08	32.30 1.43 -12.11	38.11 1.69 -15.58	46.49 1.63 -22.89	44.58 1.97 -18.84	44.23 2.23 -18.55	35.90 2.05 -11.03	28.79 1.82 -8.99	26.36 1.48 -8.92
LAWRNCAV_115KV_TB1 80681	12.85 -0.42 -0.10	12.85 -0.39 -0.09	12.87 -0.37 -0.08	12.87 -0.36 -0.08	12.93 -0.29 -0.08	17.08 -0.60 -0.03	20.50 -0.81 -0.05	21.90 -0.67 -0.08	22.83 -0.85 -0.03	21.13 -0.74 0.00	20.54 -0.72 0.00	20.64 -0.82 0.00	18.45 -0.69 -0.04	18.84 -0.80 -0.04	18.65 -0.75 -0.06	18.74 -0.78 -0.09	18.15 -0.75 -0.13	20.34 -0.67 -0.17	21.60 -0.62 -0.24	23.24 -0.71 -0.19	22.95 -0.68 -0.19	22.22 -0.71 -0.11	17.48 -0.59 -0.09	15.67 -0.38 -0.09
LEDERLE____ 23769	20.75 0.82 -6.76	19.91 0.79 -5.96	19.14 0.78 -5.20	19.34 0.79 -5.40	19.48 0.79 -5.56	20.66 1.11 -1.89	25.63 1.30 -3.06	29.71 1.46 -5.76	27.41 1.73 -2.02	23.58 1.53 -0.18	22.98 1.53 -0.19	23.25 1.59 -0.21	23.55 1.49 -2.96	24.51 1.55 -3.36	25.40 1.55 -4.51	27.59 1.57 -6.58	29.78 1.46 -9.55	34.55 1.56 -12.14	40.75 1.65 -17.13	38.49 1.78 -12.95	37.94 1.76 -12.73	31.89 1.62 -7.45	25.26 1.20 -6.07	23.18 0.96 -6.26
LIGHTHSE_115KV_TB6 355974	13.41 -0.34 -0.58	13.32 -0.36 -0.51	13.24 -0.37 -0.44	13.23 -0.38 -0.46	13.23 -0.38 -0.48	17.38 -0.44 -0.16	21.04 -0.49 -0.26	22.42 -0.56 -0.49	23.12 -0.71 -0.17	21.18 -0.70 0.00	20.61 -0.66 0.00	20.81 -0.64 0.00	18.76 -0.57 -0.23	19.30 -0.57 -0.26	19.12 -0.58 -0.36	19.35 -0.60 -0.52	18.97 -0.56 -0.77	21.22 -0.60 -0.98	22.81 -0.57 -1.41	24.39 -0.48 -1.10	24.11 -0.42 -1.08	23.02 -0.43 -0.64	18.11 -0.40 -0.52	16.13 -0.35 -0.53
LINDEN COGEN____ 23786	21.15 0.84 -7.13	20.28 0.84 -6.28	19.46 0.82 -5.48	19.68 0.84 -5.69	19.77 0.77 -5.86	20.78 1.13 -1.99	25.73 1.23 -3.23	30.05 1.51 -6.05	27.61 1.82 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.05 1.63 -3.82	26.08 1.60 -5.13	28.51 1.59 -7.49	31.04 1.43 -10.84	36.11 1.48 -13.79	43.05 1.65 -19.43	40.13 1.71 -14.65	39.52 1.66 -14.41	32.82 1.57 -8.43	26.01 1.15 -6.87	24.05 1.01 -7.09
LINDHRST_69_KV_BK1 356055	21.49 1.21 -7.10	21.86 1.21 -7.49	20.01 1.18 -5.66	20.00 1.18 -5.67	21.07 1.17 -6.76	21.47 1.62 -2.19	26.40 1.91 -3.22	30.69 2.16 -6.05	28.22 2.44 -2.13	24.30 2.23 -0.20	23.57 2.11 -0.21	23.80 2.12 -0.22	24.16 1.95 -3.12	25.16 2.02 -3.54	33.86 2.07 -12.44	30.21 2.08 -8.70	31.15 1.91 -10.46	37.52 2.02 -14.65	44.27 2.09 -20.21	42.15 2.38 -16.01	44.13 2.32 -18.36	35.35 2.21 -10.31	28.81 1.78 -9.05	23.94 1.40 -6.58
LIPA_MISC_IPP 23656	21.41 1.13 -7.10	21.82 1.17 -7.49	20.01 1.18 -5.66	20.00 1.18 -5.67	21.05 1.16 -6.76	21.43 1.59 -2.19	26.25 1.77 -3.22	30.56 2.02 -6.05	28.10 2.32 -2.13	24.17 2.10 -0.20	23.45 1.98 -0.21	23.67 1.99 -0.22	24.05 1.83 -3.12	25.06 1.92 -3.54	33.74 1.95 -12.44	30.12 1.98 -8.70	31.07 1.84 -10.46	37.45 1.96 -14.65	44.19 2.00 -20.21	42.06 2.28 -16.01	44.03 2.23 -18.36	35.25 2.12 -10.31	28.72 1.69 -9.05	23.85 1.31 -6.58
LISF____SOLAR 323691	21.45 1.15 -7.13	21.87 1.20 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.08 1.16 -6.78	21.46 1.61 -2.20	26.28 1.79 -3.23	30.61 2.07 -6.06	28.10 2.32 -2.13	24.17 2.10 -0.20	23.45 1.98 -0.20	23.71 2.04 -0.22	24.39 1.93 -3.37	25.35 1.92 -3.82	34.14 1.97 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.49 1.98 -15.67	45.63 2.02 -21.63	43.16 2.33 -17.06	45.09 2.25 -19.39	35.88 2.14 -10.91	29.25 1.73 -9.54	24.42 1.37 -7.09
LITTLE FALLS____HYD 24013	13.10 -0.11 -0.03	13.07 -0.12 -0.03	13.07 -0.12 -0.03	13.04 -0.13 -0.03	13.02 -0.14 -0.03	17.51 -0.16 -0.01	21.05 -0.23 -0.01	22.25 -0.27 -0.03	23.41 -0.26 -0.01	21.56 -0.31 0.00	20.92 -0.34 0.00	21.06 -0.39 0.00	18.73 -0.38 -0.01	19.22 -0.39 -0.01	18.96 -0.41 -0.02	19.07 -0.39 -0.03	18.45 -0.36 -0.04	20.52 -0.38 -0.05	21.70 -0.35 -0.08	23.47 -0.36 -0.06	23.16 -0.35 -0.06	22.54 -0.32 -0.04	17.78 -0.23 -0.03	15.80 -0.19 -0.03
LITTLRIV_115KV_TB1 356100	12.95 -0.33 -0.11	12.95 -0.30 -0.09	12.98 -0.26 -0.08	12.97 -0.26 -0.08	13.04 -0.18 -0.09	17.26 -0.42 -0.03	20.68 -0.64 -0.05	22.08 -0.49 -0.09	23.00 -0.69 -0.03	21.28 -0.59 0.00	20.69 -0.57 0.00	20.77 -0.69 0.00	18.57 -0.57 -0.04	18.98 -0.67 -0.05	18.77 -0.64 -0.06	18.86 -0.66 -0.10	18.27 -0.64 -0.14	20.52 -0.50 -0.18	21.79 -0.44 -0.26	23.47 -0.50 -0.20	23.15 -0.49 -0.20	22.41 -0.52 -0.12	17.61 -0.47 -0.09	15.77 -0.29 -0.10
LI_NEWBRDGE____DRP 323616	21.31 1.03 -7.10	21.67 1.03 -7.49	19.83 1.01 -5.66	19.83 1.01 -5.67	20.90 1.00 -6.76	21.22 1.38 -2.19	26.08 1.60 -3.22	30.36 1.82 -6.05	27.89 2.11 -2.13	23.97 1.90 -0.20	23.30 1.83 -0.21	23.52 1.84 -0.22	23.94 1.72 -3.12	24.90 1.76 -3.54	33.58 1.80 -12.44	29.94 1.81 -8.70	30.88 1.65 -10.46	37.22 1.73 -14.65	43.97 1.78 -20.21	41.80 2.02 -16.01	43.75 1.95 -18.36	35.00 1.87 -10.31	28.51 1.47 -9.05	23.69 1.15 -6.58
LOCKPORT_115KV_TB60_63_64 80432	13.69 -0.59 -1.11	13.48 -0.66 -0.98	13.33 -0.68 -0.85	13.34 -0.70 -0.88	13.32 -0.72 -0.91	17.10 -0.87 -0.31	20.92 -0.85 -0.50	22.08 -1.35 -0.94	22.40 -1.58 -0.33	20.57 -1.31 -0.01	19.93 -1.34 -0.01	20.07 -1.39 -0.01	18.42 -1.13 -0.45	18.99 -1.12 -0.50	18.87 -1.16 -0.68	19.27 -1.17 -1.00	19.11 -1.13 -1.47	21.29 -1.44 -1.88	22.93 -1.74 -2.70	24.09 -1.78 -2.11	23.88 -1.64 -2.07	22.51 -1.53 -1.22	17.99 -0.99 -0.99	16.41 -0.56 -1.01
LOCKPORT____CC1 323769	13.71 -0.58 -1.12	13.50 -0.64 -0.98	13.42 -0.61 -0.86	13.34 -0.70 -0.89	13.34 -0.71 -0.92	17.10 -0.86 -0.31	20.92 -0.85 -0.51	22.11 -1.35 -0.96	22.41 -1.58 -0.34	20.58 -1.29 0.00	19.92 -1.34 0.00	20.08 -1.37 0.00	18.41 -1.13 -0.44	18.98 -1.12 -0.49	18.87 -1.14 -0.67	19.25 -1.17 -0.98	19.11 -1.11 -1.45	21.26 -1.44 -1.86	22.92 -1.74 -2.68	24.11 -1.78 -2.12	23.92 -1.62 -2.09	22.55 -1.51 -1.23	18.02 -0.97 -1.01	16.45 -0.53 -1.01
LOCKPORT____CC2 323770	13.71 -0.58 -1.12	13.50 -0.64 -0.98	13.42 -0.61 -0.86	13.34 -0.70 -0.89	13.34 -0.71 -0.92	17.10 -0.86 -0.31	20.92 -0.85 -0.51	22.11 -1.35 -0.96	22.41 -1.58 -0.34	20.58 -1.29 0.00	19.92 -1.34 0.00	20.08 -1.37 0.00	18.41 -1.13 -0.44	18.98 -1.12 -0.49	18.87 -1.14 -0.67	19.25 -1.17 -0.98	19.11 -1.11 -1.45	21.26 -1.44 -1.86	22.92 -1.74 -2.68	24.11 -1.78 -2.12	23.92 -1.62 -2.09	22.55 -1.51 -1.23	18.02 -0.97 -1.01	16.45 -0.53 -1.01
LOCKPORT____CC3 323771	13.71 -0.58 -1.12	13.50 -0.64 -0.98	13.42 -0.61 -0.86	13.34 -0.70 -0.89	13.34 -0.71 -0.92	17.10 -0.86 -0.31	20.92 -0.85 -0.51	22.11 -1.35 -0.96	22.41 -1.58 -0.34	20.58 -1.29 0.00	19.92 -1.34 0.00	20.08 -1.37 0.00	18.41 -1.13 -0.44	18.98 -1.12 -0.49	18.87 -1.14 -0.67	19.25 -1.17 -0.98	19.11 -1.11 -1.45	21.26 -1.44 -1.86	22.92 -1.74 -2.68	24.11 -1.78 -2.12	23.92 -1.62 -2.09	22.55 -1.51 -1.23	18.02 -0.97 -1.01	16.45 -0.53 -1.01



LONG_LAKE_PHOENIX 24014	13.47 -0.37 -0.66	13.35 -0.39 -0.58	13.26 -0.41 -0.51	13.25 -0.42 -0.53	13.24 -0.43 -0.54	17.35 -0.49 -0.18	21.08 -0.49 -0.30	22.49 -0.56 -0.56	23.19 -0.66 -0.20	21.26 -0.61 0.00	20.65 -0.62 -0.01	20.86 -0.60 -0.01	18.83 -0.53 -0.27	19.37 -0.53 -0.30	19.23 -0.52 -0.41	19.48 -0.54 -0.60	19.16 -0.49 -0.88	21.36 -0.60 -1.12	22.94 -0.64 -1.60	24.40 -0.62 -1.25	24.07 -0.61 -1.23	22.98 -0.57 -0.73	18.09 -0.49 -0.59	16.14 -0.41 -0.60
LOVETT___3 23632	20.74 0.76 -6.80	19.89 0.74 -5.99	19.11 0.72 -5.23	19.31 0.74 -5.43	19.44 0.72 -5.59	20.58 1.02 -1.90	25.54 1.19 -3.08	29.63 1.35 -5.79	27.30 1.61 -2.03	23.50 1.44 -0.18	22.90 1.45 -0.19	23.14 1.48 -0.21	23.47 1.39 -2.97	24.43 1.45 -3.37	25.35 1.47 -4.53	27.53 1.48 -6.62	29.73 1.37 -9.60	34.51 1.46 -12.21	40.73 1.54 -17.22	38.42 1.64 -13.01	37.86 1.62 -12.80	31.82 1.51 -7.49	25.21 1.12 -6.10	23.14 0.89 -6.29
LOVETT___4 23642	20.74 0.76 -6.80	19.89 0.74 -5.99	19.11 0.72 -5.23	19.31 0.74 -5.43	19.44 0.72 -5.59	20.58 1.02 -1.90	25.54 1.19 -3.08	29.63 1.35 -5.79	27.30 1.61 -2.03	23.50 1.44 -0.18	22.90 1.45 -0.19	23.14 1.48 -0.21	23.47 1.39 -2.97	24.43 1.45 -3.37	25.35 1.47 -4.53	27.53 1.48 -6.62	29.73 1.37 -9.60	34.51 1.46 -12.21	40.73 1.54 -17.22	38.42 1.64 -13.01	37.86 1.62 -12.80	31.82 1.51 -7.49	25.21 1.12 -6.10	23.14 0.89 -6.29
LOVETT___5 23593	20.74 0.76 -6.80	19.89 0.74 -5.99	19.11 0.72 -5.23	19.31 0.74 -5.43	19.44 0.72 -5.59	20.58 1.02 -1.90	25.54 1.19 -3.08	29.63 1.35 -5.79	27.30 1.61 -2.03	23.50 1.44 -0.18	22.90 1.45 -0.19	23.14 1.48 -0.21	23.47 1.39 -2.97	24.43 1.45 -3.37	25.35 1.47 -4.53	27.53 1.48 -6.62	29.73 1.37 -9.60	34.51 1.46 -12.21	40.73 1.54 -17.22	38.42 1.64 -13.01	37.86 1.62 -12.80	31.82 1.51 -7.49	25.21 1.12 -6.10	23.14 0.89 -6.29
LOWER_RAQUET___HYD 24057	12.66 -0.51 0.00	12.66 -0.50 0.00	12.67 -0.49 0.00	12.70 -0.45 0.00	12.75 -0.38 0.00	16.93 -0.72 0.00	20.31 -0.96 0.00	21.68 -0.81 0.00	22.64 -1.02 0.00	20.97 -0.90 0.00	20.39 -0.87 0.00	20.49 -0.96 0.00	18.28 -0.82 0.00	18.66 -0.94 0.00	18.44 -0.91 0.00	18.52 -0.91 0.00	17.87 -0.90 0.00	20.05 -0.79 0.00	21.23 -0.75 0.00	22.93 -0.83 0.00	22.63 -0.82 0.00	21.98 -0.84 0.00	17.27 -0.72 0.00	15.35 -0.61 0.00
LOWER___HUDSON 24059	23.08 0.41 -9.49	21.93 0.41 -8.36	20.87 0.41 -7.30	21.14 0.41 -7.58	21.34 0.41 -7.80	20.89 0.58 -2.66	26.35 0.79 -4.30	31.33 0.77 -8.08	27.40 0.90 -2.84	22.36 0.77 0.28	21.67 0.70 0.29	21.88 0.75 0.32	23.14 0.69 -3.36	23.97 0.70 -3.66	25.11 0.66 -5.10	27.72 0.66 -7.63	30.95 0.67 -11.51	36.45 0.77 -14.83	44.73 0.81 -21.94	42.97 0.90 -18.30	42.38 0.91 -18.02	34.42 0.87 -10.74	27.46 0.72 -8.75	25.15 0.56 -8.63
LOWVILLE_115KV_TB2 356335	13.23 -0.21 -0.26	13.18 -0.21 -0.23	13.15 -0.21 -0.20	13.15 -0.21 -0.21	13.15 -0.20 -0.22	17.52 -0.21 -0.07	21.11 -0.28 -0.12	22.49 -0.22 -0.22	23.33 -0.40 -0.08	21.41 -0.46 0.00	20.80 -0.47 0.00	20.96 -0.49 0.00	18.75 -0.46 -0.11	19.25 -0.47 -0.12	19.02 -0.48 -0.16	19.20 -0.47 -0.24	18.72 -0.39 -0.35	21.00 -0.29 -0.45	22.46 -0.15 -0.64	24.22 -0.05 -0.50	23.87 -0.07 -0.49	23.00 -0.11 -0.29	18.02 -0.20 -0.24	16.02 -0.18 -0.24
LUTHERFT_115KV_GLOB_FND_222 355753	23.54 0.55 -9.82	22.36 0.55 -8.64	21.24 0.53 -7.55	21.53 0.54 -7.84	21.74 0.54 -8.07	21.18 0.78 -2.74	26.80 1.08 -4.45	31.95 1.10 -8.36	27.80 1.21 -2.94	22.74 1.03 0.16	22.03 0.94 0.17	22.27 1.01 0.19	23.54 0.88 -3.56	24.45 0.92 -3.92	25.54 0.77 -5.42	28.28 0.80 -8.06	31.65 0.84 -12.04	37.30 0.98 -15.47	45.63 1.01 -22.65	43.43 1.16 -18.50	42.83 1.17 -18.21	34.75 1.12 -10.81	27.77 0.97 -8.81	25.51 0.78 -8.77
LUTHERNY_35_KV_BK2 355980	23.56 0.57 -9.82	22.36 0.55 -8.64	21.25 0.54 -7.55	21.53 0.54 -7.84	21.74 0.54 -8.07	21.18 0.78 -2.74	26.82 1.11 -4.45	31.97 1.12 -8.36	27.80 1.21 -2.94	22.74 1.03 0.16	22.05 0.96 0.17	22.27 1.01 0.19	23.56 0.90 -3.56	24.46 0.94 -3.92	25.56 0.79 -5.42	28.28 0.80 -8.06	31.67 0.86 -12.04	37.32 1.00 -15.47	45.63 1.01 -22.65	43.43 1.16 -18.50	42.86 1.20 -18.21	34.78 1.14 -10.81	27.79 0.99 -8.81	25.53 0.80 -8.77
LWR___OSWEGATCHIE_HYD 23850	12.82 -0.55 -0.20	12.79 -0.55 -0.18	12.79 -0.53 -0.15	12.78 -0.53 -0.16	12.81 -0.49 -0.17	16.99 -0.72 -0.06	20.49 -0.87 -0.09	21.87 -0.79 -0.17	22.72 -0.99 -0.06	20.93 -0.94 0.00	20.33 -0.94 0.00	20.44 -1.01 0.00	18.30 -0.88 -0.08	18.75 -0.94 -0.09	18.54 -0.93 -0.12	18.68 -0.93 -0.18	18.15 -0.88 -0.27	20.39 -0.79 -0.34	21.76 -0.70 -0.49	23.44 -0.71 -0.38	23.12 -0.70 -0.38	22.31 -0.73 -0.22	17.50 -0.67 -0.18	15.62 -0.53 -0.18
LYONS_FALL_HYD 23570	13.38 -0.08 -0.28	13.32 -0.09 -0.25	13.30 -0.08 -0.22	13.28 -0.09 -0.23	13.28 -0.09 -0.23	17.68 -0.05 -0.08	21.29 -0.11 -0.13	22.69 -0.04 -0.24	23.58 -0.16 -0.09	21.65 -0.22 0.00	21.03 -0.23 0.00	21.20 -0.26 0.00	18.96 -0.25 -0.11	19.49 -0.23 -0.12	19.26 -0.25 -0.17	19.45 -0.23 -0.25	18.95 -0.19 -0.37	21.21 -0.10 -0.47	22.67 0.02 -0.68	24.42 0.12 -0.54	24.07 0.09 -0.53	23.18 0.05 -0.31	18.19 -0.05 -0.25	16.14 -0.08 -0.26
MADISON___COUNTY_LFGE 323628	13.76 0.14 -0.44	13.70 0.14 -0.39	13.63 0.13 -0.34	13.62 0.12 -0.35	13.62 0.12 -0.36	18.06 0.28 -0.12	21.74 0.28 -0.20	23.18 0.31 -0.38	24.00 0.21 -0.13	22.05 0.17 0.00	21.39 0.13 0.00	21.58 0.13 0.00	19.39 0.11 -0.18	19.96 0.16 -0.20	19.73 0.12 -0.27	19.96 0.14 -0.40	19.52 0.17 -0.59	21.84 0.25 -0.75	23.40 0.35 -1.07	25.08 0.48 -0.84	24.72 0.45 -0.83	23.72 0.41 -0.49	18.62 0.23 -0.40	16.54 0.18 -0.40
MALONE___115KV_TB1 356076	12.99 -0.25 -0.07	13.00 -0.22 -0.06	13.07 -0.14 -0.05	13.11 -0.09 -0.05	13.24 0.05 -0.05	17.62 -0.05 -0.02	21.25 -0.04 -0.03	22.66 0.11 -0.06	23.68 0.00 -0.02	21.94 0.07 0.00	21.31 0.04 0.00	21.34 -0.11 0.00	19.05 -0.08 -0.03	19.40 -0.24 -0.03	19.19 -0.19 -0.04	19.27 -0.21 -0.06	18.61 -0.24 -0.09	20.91 -0.04 -0.11	22.22 0.09 -0.16	23.92 0.02 -0.13	23.64 0.07 -0.12	22.94 0.05 -0.07	18.03 -0.02 -0.06	16.07 0.05 -0.06
MAPLEWOD_115KV_TB3 80458	23.06 0.45 -9.43	21.90 0.43 -8.31	20.85 0.43 -7.26	21.12 0.43 -7.53	21.32 0.43 -7.75	20.91 0.62 -2.64	26.37 0.83 -4.27	31.35 0.83 -8.03	27.43 0.95 -2.82	22.50 0.81 0.18	21.82 0.74 0.19	22.06 0.82 0.20	23.23 0.74 -3.39	24.09 0.76 -3.72	25.25 0.75 -5.15	27.87 0.78 -7.67	31.03 0.79 -11.48	36.52 0.92 -14.76	44.57 0.94 -21.65	42.60 1.07 -17.77	42.02 1.08 -17.49	34.22 1.00 -10.39	27.25 0.79 -8.47	24.96 0.59 -8.41
MAPLE_RIDGE_WT_1 323574	13.00 -0.17 0.00	12.98 -0.18 0.00	12.95 -0.21 0.00	12.92 -0.22 0.00	12.92 -0.21 0.00	17.34 -0.32 0.00	20.86 -0.40 0.00	22.13 -0.36 0.00	23.28 -0.38 0.00	21.54 -0.33 0.00	20.92 -0.34 0.00	21.04 -0.41 0.00	18.76 -0.34 0.00	19.21 -0.39 0.00	18.96 -0.39 0.00	19.04 -0.39 0.00	18.37 -0.40 0.00	20.45 -0.40 0.00	21.60 -0.37 0.00	23.34 -0.43 0.00	23.03 -0.42 0.00	22.43 -0.39 0.00	17.70 -0.29 0.00	15.74 -0.22 0.00



MAPLE_RIDGE_WT_2 323611	13.00 -0.17 0.00	12.98 -0.18 0.00	12.95 -0.21 0.00	12.92 -0.22 0.00	12.92 -0.21 0.00	17.34 -0.32 0.00	20.86 -0.40 0.00	22.13 -0.36 0.00	23.28 -0.38 0.00	21.54 -0.33 0.00	20.92 -0.34 0.00	21.04 -0.41 0.00	18.76 -0.34 0.00	19.21 -0.39 0.00	18.96 -0.39 0.00	19.04 -0.39 0.00	18.37 -0.40 0.00	20.45 -0.40 0.00	21.60 -0.37 0.00	23.34 -0.43 0.00	23.03 -0.42 0.00	22.43 -0.39 0.00	17.70 -0.29 0.00	15.74 -0.22 0.00
MARBLE_RIVER_WT_PWR 323696	12.91 -0.26 0.00	12.94 -0.22 0.00	13.02 -0.14 0.00	13.08 -0.07 0.00	13.20 0.07 0.00	17.66 0.00 0.00	21.33 0.06 0.00	22.62 0.14 0.00	23.70 0.05 0.00	21.96 0.09 0.00	21.33 0.06 0.00	21.34 -0.11 0.00	19.04 -0.06 0.00	19.41 -0.20 0.00	19.15 -0.19 0.00	19.22 -0.21 0.00	18.52 -0.24 0.00	20.74 -0.10 0.00	21.97 0.00 0.00	23.72 -0.05 0.00	23.42 -0.02 0.00	22.80 -0.02 0.00	17.97 -0.02 0.00	15.99 0.03 0.00
MARSHVLE_115KV_TB1 80742	26.06 0.88 -12.00	24.60 0.87 -10.57	23.23 0.84 -9.23	23.57 0.84 -9.58	23.84 0.84 -9.86	22.25 1.24 -3.36	28.17 1.47 -5.43	34.28 1.57 -10.21	28.83 1.58 -3.59	23.13 1.33 0.08	22.46 1.28 0.08	22.63 1.27 0.09	24.75 1.09 -4.56	25.83 1.16 -5.07	27.42 1.12 -6.95	30.88 1.17 -10.28	35.21 1.20 -15.24	41.84 1.46 -19.54	51.90 1.60 -28.32	48.36 1.90 -22.70	47.69 1.90 -22.34	37.98 1.94 -13.22	30.18 1.42 -10.77	27.97 1.20 -10.81
MARSH_HILL_WT_PWR 323713	14.71 0.05 -1.48	14.48 0.01 -1.30	14.34 0.04 -1.14	14.29 -0.04 -1.18	14.30 -0.05 -1.21	18.19 0.12 -0.41	22.30 0.36 -0.67	23.93 0.16 -1.28	24.11 0.00 -0.45	22.05 0.17 0.00	21.39 0.13 0.00	21.56 0.11 0.00	19.68 0.00 -0.58	20.27 0.02 -0.65	20.25 0.02 -0.88	20.75 0.02 -1.30	20.72 0.04 -1.92	23.24 -0.06 -2.46	25.36 -0.15 -3.54	26.52 -0.05 -2.80	26.21 0.00 -2.76	24.47 0.02 -1.63	19.39 0.07 -1.33	17.52 0.22 -1.34
MCINTYRE_115KV_TB2 80467	13.11 -0.16 -0.10	13.11 -0.13 -0.08	13.14 -0.09 -0.07	13.13 -0.09 -0.08	13.20 -0.01 -0.08	17.47 -0.21 -0.03	20.95 -0.36 -0.04	22.39 -0.18 -0.08	23.28 -0.40 -0.03	21.57 -0.31 0.00	20.94 -0.32 0.00	21.02 -0.43 0.00	18.81 -0.32 -0.04	19.22 -0.43 -0.04	19.00 -0.41 -0.06	19.09 -0.43 -0.09	18.50 -0.39 -0.13	20.78 -0.23 -0.16	22.05 -0.15 -0.23	23.76 -0.19 -0.18	23.44 -0.19 -0.18	22.70 -0.23 -0.11	17.84 -0.23 -0.09	15.97 -0.08 -0.09
MECO____69_KV_BK1 80468	25.68 1.16 -11.35	24.29 1.13 -9.99	22.97 1.08 -8.73	23.30 1.09 -9.06	23.58 1.12 -9.32	22.44 1.61 -3.17	28.21 1.81 -5.14	34.02 1.87 -9.66	28.97 1.92 -3.40	23.27 1.49 0.09	22.58 1.40 0.09	22.73 1.37 0.10	24.58 1.18 -4.29	25.62 1.25 -4.76	27.12 1.24 -6.54	30.43 1.32 -9.68	34.53 1.41 -14.36	41.00 1.75 -18.41	50.63 1.93 -26.72	47.51 2.28 -21.46	46.89 2.32 -21.12	37.56 2.24 -12.50	29.79 1.62 -10.19	27.51 1.34 -10.22
MENANDS__115KV_TB5 355628	22.76 0.28 -9.31	21.64 0.28 -8.20	20.60 0.28 -7.16	20.84 0.26 -7.43	21.06 0.28 -7.65	20.66 0.41 -2.60	26.04 0.55 -4.22	30.93 0.52 -7.92	27.10 0.66 -2.79	22.23 0.55 0.19	21.60 0.53 0.19	21.82 0.58 0.21	22.96 0.53 -3.33	23.80 0.55 -3.65	24.97 0.56 -5.06	27.53 0.56 -7.53	30.60 0.54 -11.29	35.99 0.63 -14.52	43.93 0.64 -21.32	41.98 0.69 -17.52	41.40 0.70 -17.25	33.74 0.66 -10.25	26.87 0.52 -8.36	24.60 0.35 -8.29
MG INDUSTRY__DRP 24185	22.62 0.32 -9.12	21.51 0.32 -8.04	20.49 0.32 -7.02	20.75 0.32 -7.29	20.95 0.32 -7.50	20.65 0.44 -2.55	26.00 0.60 -4.13	30.82 0.56 -7.77	27.07 0.69 -2.73	22.34 0.57 0.10	21.69 0.53 0.11	21.92 0.58 0.12	23.03 0.53 -3.40	23.91 0.55 -3.76	25.06 0.54 -5.17	27.64 0.54 -7.67	30.72 0.54 -11.41	36.09 0.60 -14.64	43.91 0.62 -21.32	41.69 0.69 -17.23	41.09 0.68 -16.96	33.56 0.68 -10.05	26.72 0.54 -8.19	24.56 0.41 -8.19
MID__OSWEGATCHIE_HYD 23849	12.82 -0.55 -0.20	12.79 -0.55 -0.18	12.79 -0.53 -0.15	12.78 -0.53 -0.16	12.81 -0.49 -0.17	16.99 -0.72 -0.06	20.49 -0.87 -0.09	21.87 -0.79 -0.17	22.72 -0.99 -0.06	20.93 -0.94 0.00	20.33 -0.94 0.00	20.44 -1.01 0.00	18.30 -0.88 -0.08	18.75 -0.94 -0.09	18.54 -0.93 -0.12	18.68 -0.93 -0.18	18.15 -0.88 -0.27	20.39 -0.79 -0.34	21.76 -0.70 -0.49	23.44 -0.71 -0.38	23.12 -0.70 -0.38	22.31 -0.73 -0.22	17.50 -0.67 -0.18	15.62 -0.53 -0.18
MID__RAQUETTE_HYD 23851	12.77 -0.51 -0.11	12.76 -0.50 -0.10	12.79 -0.46 -0.09	12.79 -0.45 -0.09	12.85 -0.38 -0.09	16.96 -0.72 -0.03	20.36 -0.96 -0.05	21.77 -0.81 -0.09	22.67 -1.02 -0.03	20.98 -0.90 0.00	20.39 -0.87 0.00	20.49 -0.97 0.00	18.32 -0.82 -0.04	18.71 -0.94 -0.05	18.50 -0.91 -0.07	18.62 -0.91 -0.10	18.01 -0.90 -0.15	20.24 -0.79 -0.19	21.50 -0.75 -0.27	23.15 -0.83 -0.21	22.83 -0.82 -0.21	22.10 -0.84 -0.12	17.37 -0.72 -0.10	15.57 -0.49 -0.10
MILLIKEN__1 23584	14.87 0.17 -1.52	14.64 0.14 -1.34	14.46 0.13 -1.17	14.48 0.12 -1.21	14.49 0.11 -1.25	18.36 0.28 -0.43	22.38 0.43 -0.69	24.12 0.34 -1.29	24.37 0.26 -0.45	22.14 0.26 -0.01	21.44 0.17 -0.01	21.66 0.19 -0.01	19.83 0.11 -0.61	20.45 0.16 -0.69	20.43 0.15 -0.93	20.98 0.17 -1.37	20.99 0.21 -2.02	23.63 0.21 -2.58	25.89 0.22 -3.69	27.01 0.36 -2.89	26.62 0.33 -2.84	24.84 0.34 -1.67	19.57 0.22 -1.36	17.53 0.19 -1.38
MILLIKEN__2 23585	14.87 0.17 -1.52	14.64 0.14 -1.34	14.46 0.13 -1.17	14.48 0.12 -1.21	14.49 0.11 -1.25	18.36 0.28 -0.43	22.38 0.43 -0.69	24.12 0.34 -1.29	24.37 0.26 -0.45	22.14 0.26 -0.01	21.44 0.17 -0.01	21.66 0.19 -0.01	19.83 0.11 -0.61	20.45 0.16 -0.69	20.43 0.15 -0.93	20.98 0.17 -1.37	20.99 0.21 -2.02	23.63 0.21 -2.58	25.89 0.22 -3.69	27.01 0.36 -2.89	26.62 0.33 -2.84	24.84 0.34 -1.67	19.57 0.22 -1.36	17.53 0.19 -1.38
MILLIKEN__DIESEL 23629	14.87 0.17 -1.52	14.64 0.14 -1.34	14.46 0.13 -1.17	14.48 0.12 -1.21	14.49 0.11 -1.25	18.36 0.28 -0.43	22.38 0.43 -0.69	24.12 0.34 -1.29	24.37 0.26 -0.45	22.14 0.26 -0.01	21.44 0.17 -0.01	21.66 0.19 -0.01	19.83 0.11 -0.61	20.45 0.16 -0.69	20.43 0.15 -0.93	20.98 0.17 -1.37	20.99 0.21 -2.02	23.63 0.21 -2.58	25.89 0.22 -3.69	27.01 0.36 -2.89	26.62 0.33 -2.84	24.84 0.34 -1.67	19.57 0.22 -1.36	17.53 0.19 -1.38
MILLSEAT__LFGE 323607	13.99 -0.24 -1.05	13.76 -0.33 -0.93	13.69 -0.28 -0.81	13.62 -0.37 -0.84	13.62 -0.38 -0.86	17.58 -0.37 -0.29	21.57 -0.17 -0.48	22.81 -0.58 -0.91	23.36 -0.62 -0.32	21.37 -0.50 0.00	20.22 -1.04 0.00	20.34 -1.12 0.00	18.62 -0.88 -0.40	19.17 -0.88 -0.45	19.01 -0.95 -0.61	19.38 -0.95 -0.90	19.21 -0.88 -1.33	21.41 -1.13 -1.70	23.14 -1.28 -2.44	24.49 -1.21 -1.94	24.23 -1.13 -1.91	22.90 -1.05 -1.12	18.13 -0.77 -0.92	16.53 -0.35 -0.93
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	20.99 0.76 -7.05	20.12 0.75 -6.21	19.33 0.75 -5.42	19.53 0.75 -5.63	19.66 0.74 -5.79	20.65 1.02 -1.97	25.65 1.19 -3.19	29.86 1.37 -6.00	27.40 1.63 -2.11	23.53 1.47 -0.19	22.93 1.47 -0.20	23.19 1.52 -0.22	23.60 1.41 -3.09	24.58 1.47 -3.51	25.52 1.47 -4.71	27.78 1.48 -6.88	30.10 1.37 -9.96	34.97 1.46 -12.67	41.40 1.56 -17.87	38.92 1.66 -13.49	38.33 1.62 -13.27	32.11 1.53 -7.76	25.43 1.12 -6.33	23.38 0.89 -6.53



MILLWOOD_13_KV_LOAD 356217	21.01 0.79 -7.05	20.13 0.76 -6.21	19.33 0.75 -5.42	19.55 0.78 -5.63	19.67 0.75 -5.79	20.67 1.04 -1.97	25.67 1.21 -3.19	29.86 1.37 -6.00	27.42 1.66 -2.11	23.55 1.49 -0.19	22.95 1.49 -0.20	23.22 1.54 -0.22	23.64 1.45 -3.09	24.62 1.51 -3.51	25.56 1.51 -4.71	27.84 1.53 -6.88	30.16 1.43 -9.96	35.04 1.52 -12.67	41.47 1.63 -17.87	38.97 1.71 -13.49	38.38 1.66 -13.27	32.14 1.55 -7.76	25.45 1.13 -6.33	23.39 0.91 -6.53
MODEL_CITY_ENERGY 24167	13.60 -0.70 -1.12	13.39 -0.76 -0.99	13.30 -0.72 -0.86	13.24 -0.80 -0.90	13.24 -0.81 -0.92	16.95 -1.02 -0.31	20.73 -1.04 -0.51	21.89 -1.57 -0.97	22.18 -1.82 -0.34	20.36 -1.51 0.00	19.73 -1.53 0.00	19.89 -1.57 0.00	18.24 -1.30 -0.44	18.80 -1.29 -0.49	18.70 -1.32 -0.67	19.08 -1.34 -0.99	18.97 -1.26 -1.46	21.11 -1.60 -1.87	22.74 -1.93 -2.70	23.91 -2.00 -2.14	23.70 -1.85 -2.10	22.35 -1.71 -1.24	17.86 -1.13 -1.01	16.31 -0.67 -1.02
MODERN_LFGE_ 323580	13.60 -0.70 -1.12	13.39 -0.76 -0.99	13.30 -0.72 -0.86	13.24 -0.80 -0.90	13.24 -0.81 -0.92	16.95 -1.02 -0.31	20.73 -1.04 -0.51	21.89 -1.57 -0.97	22.18 -1.82 -0.34	20.36 -1.51 0.00	19.73 -1.53 0.00	19.89 -1.57 0.00	18.24 -1.30 -0.44	18.80 -1.29 -0.49	18.70 -1.32 -0.67	19.08 -1.34 -0.99	18.97 -1.26 -1.46	21.11 -1.60 -1.87	22.74 -1.93 -2.70	23.91 -2.00 -2.14	23.70 -1.85 -2.10	22.35 -1.71 -1.24	17.86 -1.13 -1.01	16.31 -0.67 -1.02
MOHAWK_PAPER__DRP 24187	23.06 0.45 -9.43	21.90 0.43 -8.31	20.85 0.43 -7.26	21.12 0.43 -7.53	21.32 0.43 -7.75	20.91 0.62 -2.64	26.37 0.83 -4.27	31.35 0.83 -8.03	27.43 0.95 -2.82	22.50 0.81 0.18	21.82 0.74 0.19	22.06 0.82 0.20	23.23 0.74 -3.39	24.09 0.76 -3.72	25.25 0.75 -5.15	27.87 0.78 -7.67	31.03 0.79 -11.48	36.52 0.92 -14.76	44.57 0.94 -21.65	42.60 1.07 -17.77	42.02 1.08 -17.49	34.22 1.00 -10.39	27.25 0.79 -8.47	24.96 0.59 -8.41
MOHICAN__35_KV_115KV_LD 80490	23.55 0.54 -9.83	22.35 0.53 -8.66	21.21 0.49 -7.56	21.50 0.50 -7.85	21.73 0.51 -8.08	21.16 0.76 -2.75	26.87 1.15 -4.45	32.05 1.19 -8.37	27.85 1.25 -2.94	22.76 1.05 0.16	22.03 0.94 0.17	22.28 1.01 0.18	23.55 0.88 -3.58	24.46 0.92 -3.94	25.31 0.52 -5.44	28.08 0.56 -8.09	31.52 0.68 -12.08	37.18 0.81 -15.52	45.47 0.79 -22.71	43.30 1.00 -18.53	42.75 1.06 -18.25	34.63 0.98 -10.83	27.84 1.03 -8.83	25.56 0.81 -8.79
MONGAUP__HYD 23641	20.12 0.66 -6.29	19.31 0.61 -5.54	18.59 0.59 -4.84	18.76 0.59 -5.02	18.91 0.60 -5.17	20.35 0.94 -1.76	25.07 0.96 -2.85	28.52 0.70 -5.33	26.36 0.83 -1.87	22.88 0.85 -0.16	22.39 0.96 -0.17	22.79 1.16 -0.18	23.08 1.03 -2.95	24.03 1.08 -3.35	24.93 1.08 -4.50	27.00 0.99 -6.58	29.17 0.86 -9.54	33.95 0.98 -12.13	39.95 0.86 -17.12	37.69 0.97 -12.95	37.19 1.01 -12.74	31.16 0.89 -7.45	24.87 0.81 -6.08	22.94 0.72 -6.26
MONTAUK__DIESEL 23721	21.77 1.49 -7.10	22.19 1.54 -7.49	20.37 1.55 -5.66	20.37 1.55 -5.67	21.42 1.52 -6.76	21.93 2.08 -2.19	26.89 2.40 -3.22	31.30 2.77 -6.05	28.86 3.08 -2.13	24.93 2.87 -0.20	24.17 2.70 -0.21	24.33 2.66 -0.22	24.68 2.46 -3.12	25.67 2.53 -3.54	34.36 2.57 -12.44	30.78 2.64 -8.70	31.73 2.50 -10.46	38.22 2.73 -14.65	45.00 2.81 -20.21	42.91 3.14 -16.01	44.88 3.07 -18.36	35.98 2.85 -10.31	29.26 2.23 -9.05	24.36 1.82 -6.58
MOONROAD_115KV_HARTFLD_TB1-2 355988	14.25 -0.21 -1.28	14.08 -0.21 -1.13	13.92 -0.22 -0.99	13.94 -0.24 -1.02	13.93 -0.26 -1.05	17.87 -0.14 -0.36	21.98 0.13 -0.58	23.49 -0.09 -1.09	23.78 -0.26 -0.38	22.06 0.17 -0.01	21.42 0.15 -0.01	21.57 0.11 -0.01	19.52 -0.10 -0.52	20.13 -0.06 -0.58	20.04 -0.10 -0.79	20.46 -0.14 -1.16	20.23 -0.24 -1.71	22.56 -0.46 -2.18	24.39 -0.70 -3.12	25.56 -0.64 -2.44	25.35 -0.49 -2.40	23.71 -0.52 -1.41	18.90 -0.23 -1.15	17.11 -0.02 -1.17
MORTIMER_115KV_TB3 55949	13.81 -0.30 -0.94	13.63 -0.36 -0.83	13.51 -0.37 -0.72	13.50 -0.39 -0.75	13.50 -0.41 -0.77	17.48 -0.44 -0.26	21.37 -0.32 -0.42	22.68 -0.61 -0.80	23.16 -0.78 -0.28	21.16 -0.72 -0.01	20.53 -0.74 -0.01	20.69 -0.77 -0.01	18.96 -0.52 -0.38	19.52 -0.51 -0.42	19.36 -0.56 -0.58	19.72 -0.56 -0.85	19.49 -0.53 -1.25	21.73 -0.71 -1.59	23.42 -0.84 -2.28	24.72 -0.83 -1.78	24.43 -0.77 -1.75	23.15 -0.71 -1.03	18.31 -0.52 -0.84	16.57 -0.24 -0.85
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	21.15 0.87 -7.10	20.27 0.86 -6.26	19.47 0.84 -5.46	19.66 0.84 -5.67	19.79 0.81 -5.84	20.79 1.15 -1.99	25.80 1.32 -3.22	30.06 1.53 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.11 1.64 -0.21	23.39 1.72 -0.22	23.80 1.59 -3.11	24.78 1.65 -3.53	25.74 1.64 -4.75	28.01 1.65 -6.93	30.31 1.50 -10.05	35.18 1.56 -12.78	41.72 1.74 -18.01	39.19 1.83 -13.60	38.58 1.76 -13.38	32.33 1.69 -7.82	25.59 1.22 -6.38	23.53 0.99 -6.58
MUNSVILLE_WIND_PWR 323609	16.08 0.84 -2.06	15.81 0.83 -1.82	15.59 0.84 -1.59	15.57 0.78 -1.65	15.59 0.76 -1.69	19.54 1.31 -0.58	23.71 1.51 -0.93	27.59 2.61 -2.50	26.76 2.22 -0.88	23.67 1.79 0.00	22.67 1.40 0.00	22.65 1.20 0.00	21.12 0.90 -1.12	21.79 0.94 -1.25	21.88 0.83 -1.70	22.88 0.93 -2.51	23.54 1.07 -3.71	27.23 1.65 -4.75	31.17 2.35 -6.84	32.27 3.09 -5.42	31.76 2.98 -5.33	28.68 2.71 -3.15	22.40 1.85 -2.57	20.09 1.55 -2.59
N SALMON__HYD 24042	12.92 -0.25 0.00	12.94 -0.22 0.00	13.00 -0.16 0.00	13.06 -0.09 0.00	13.19 0.05 0.00	17.60 -0.05 0.00	21.22 -0.04 0.00	22.60 0.11 0.00	23.66 0.00 0.00	21.94 0.07 0.00	21.31 0.04 0.00	21.34 -0.11 0.00	19.02 -0.08 0.00	19.37 -0.23 0.00	19.15 -0.19 0.00	19.22 -0.21 0.00	18.52 -0.24 0.00	20.80 -0.04 0.00	22.06 0.09 0.00	23.79 0.02 0.00	23.52 0.07 0.00	22.87 0.05 0.00	17.97 -0.02 0.00	15.96 0.00 0.00
N.AKRON__115KV_KNAPP 355671	13.88 -0.37 -1.08	13.66 -0.45 -0.95	13.53 -0.46 -0.83	13.52 -0.49 -0.86	13.51 -0.51 -0.88	17.41 -0.55 -0.30	21.33 -0.43 -0.49	22.53 -0.88 -0.92	22.94 -1.04 -0.32	21.03 -0.85 -0.01	20.17 -1.11 -0.01	20.30 -1.16 -0.01	18.64 -0.90 -0.44	19.19 -0.90 -0.49	19.04 -0.97 -0.66	19.43 -0.97 -0.97	19.28 -0.92 -1.43	21.48 -1.19 -1.83	23.19 -1.41 -2.62	24.41 -1.40 -2.05	24.19 -1.27 -2.01	22.82 -1.19 -1.19	18.14 -0.81 -0.97	16.54 -0.40 -0.98
N.BELMOR_69_KV_BK1 55787	21.38 1.11 -7.10	21.74 1.09 -7.49	19.90 1.08 -5.66	19.90 1.08 -5.67	20.96 1.06 -6.76	21.31 1.47 -2.19	26.21 1.72 -3.22	30.47 1.93 -6.05	28.03 2.25 -2.13	24.10 2.03 -0.20	23.42 1.96 -0.21	23.65 1.97 -0.22	24.05 1.83 -3.12	25.02 1.88 -3.54	33.72 1.93 -12.44	30.08 1.94 -8.70	31.00 1.76 -10.46	37.37 1.88 -14.65	44.14 1.96 -20.21	41.96 2.19 -16.01	43.96 2.16 -18.36	35.16 2.03 -10.31	28.63 1.60 -9.05	23.80 1.26 -6.58
N.E._GEN_SANDY PD 24062	22.05 0.50 -8.37	21.03 0.50 -7.37	20.11 0.51 -6.44	20.33 0.50 -6.68	20.50 0.49 -6.88	20.68 0.69 -2.34	25.91 0.85 -3.79	30.44 0.83 -7.12	27.20 1.04 -2.50	21.30 0.90 1.47	20.59 0.85 1.52	20.70 0.90 1.66	20.89 0.84 -0.95	21.08 0.86 -0.61	21.64 0.87 -1.42	22.91 0.85 -2.63	24.80 0.81 -5.23	29.00 0.90 -7.26	36.40 0.97 -13.46	40.40 1.04 -15.59	39.85 1.01 -15.40	33.40 0.96 -9.62	26.60 0.77 -7.84	23.40 0.59 -6.85



N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	20.73 0.78 -6.78	19.88 0.75 -5.97	19.11 0.74 -5.22	19.31 0.75 -5.42	19.46 0.75 -5.57	20.61 1.06 -1.90	25.55 1.21 -3.07	29.63 1.37 -5.77	27.32 1.63 -2.03	23.52 1.47 -0.18	22.92 1.47 -0.19	23.16 1.50 -0.21	23.48 1.41 -2.97	24.46 1.49 -3.36	25.36 1.49 -4.52	27.53 1.50 -6.60	29.73 1.39 -9.57	34.50 1.48 -12.18	40.73 1.58 -17.18	38.44 1.69 -12.98	37.88 1.66 -12.77	31.82 1.53 -7.47	25.23 1.15 -6.09	23.15 0.91 -6.28
N.QUEENS_27_KV_LOAD 356247	21.19 0.91 -7.10	20.30 0.88 -6.25	19.48 0.86 -5.46	19.67 0.85 -5.67	19.80 0.83 -5.84	20.70 1.06 -1.99	25.67 1.19 -3.22	29.97 1.44 -6.05	27.56 1.77 -2.13	23.64 1.57 -0.20	23.04 1.57 -0.21	23.35 1.67 -0.22	23.76 1.55 -3.11	24.76 1.63 -3.53	25.72 1.62 -4.75	27.97 1.61 -6.93	30.24 1.43 -10.04	35.08 1.46 -12.78	41.66 1.67 -18.01	39.10 1.73 -13.60	38.49 1.66 -13.37	32.22 1.57 -7.82	25.50 1.13 -6.38	23.43 0.89 -6.58
N.TROY___115KV_TB1 355778	23.11 0.41 -9.52	21.96 0.41 -8.39	20.89 0.41 -7.33	21.16 0.41 -7.61	21.37 0.41 -7.83	20.90 0.58 -2.66	26.37 0.79 -4.31	31.36 0.76 -8.11	27.41 0.90 -2.85	22.40 0.77 0.23	21.72 0.70 0.24	21.94 0.75 0.26	23.12 0.69 -3.33	23.95 0.71 -3.64	25.07 0.66 -5.07	27.65 0.66 -7.56	30.82 0.68 -11.37	36.26 0.77 -14.65	44.39 0.81 -21.60	42.57 0.90 -17.90	41.99 0.91 -17.63	34.18 0.87 -10.49	27.26 0.72 -8.55	24.94 0.53 -8.46
NARROWS_GT1_1 24228	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT1_2 24229	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT1_3 24230	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT1_4 24231	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT1_5 24232	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT1_6 24233	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT1_7 24234	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT1_8 24235	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT2_1 24236	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT2_2 24237	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT2_3 24238	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT2_4 24239	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09



NARROWS_GT2_5 24240	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT2_6 24241	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT2_7 24242	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NARROWS_GT2_8 24243	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	22.04 0.30 -8.56	20.95 0.25 -7.54	19.98 0.24 -6.59	20.22 0.24 -6.84	20.47 0.30 -7.04	20.58 0.53 -2.39	25.93 0.79 -3.88	30.50 0.72 -7.29	27.02 0.80 -2.56	22.57 0.74 0.05	22.02 0.81 0.05	22.19 0.79 0.05	23.10 0.73 -3.27	23.98 0.74 -3.64	25.08 0.75 -4.98	27.58 0.78 -7.37	30.42 0.73 -10.92	35.75 0.92 -13.99	43.05 0.81 -20.26	40.85 0.88 -16.21	40.34 0.94 -15.95	33.08 0.82 -9.43	26.32 0.65 -7.69	24.13 0.45 -7.72
NCHELSEA_115KV_TR2 355582	21.22 0.82 -7.22	20.29 0.76 -6.36	19.47 0.75 -5.56	19.68 0.76 -5.77	19.85 0.77 -5.94	20.81 1.13 -2.02	25.88 1.34 -3.27	30.08 1.44 -6.15	27.50 1.68 -2.16	23.50 1.44 -0.18	22.92 1.47 -0.19	23.14 1.48 -0.21	23.62 1.38 -3.14	24.61 1.45 -3.56	25.58 1.45 -4.79	27.90 1.48 -7.00	30.31 1.39 -10.15	35.28 1.52 -12.92	41.80 1.58 -18.24	39.27 1.69 -13.82	38.73 1.69 -13.59	32.33 1.55 -7.96	25.64 1.17 -6.49	23.53 0.89 -6.68
NEG CAPITAL___MECHNVIL 23645	23.41 0.57 -9.67	22.23 0.55 -8.52	21.14 0.54 -7.44	21.41 0.54 -7.72	21.63 0.55 -7.95	21.14 0.78 -2.70	26.73 1.08 -4.38	31.82 1.10 -8.23	27.76 1.21 -2.89	22.66 1.03 0.24	21.97 0.96 0.25	22.18 1.01 0.28	23.48 0.90 -3.48	24.35 0.94 -3.81	25.47 0.83 -5.30	28.16 0.83 -7.90	31.54 0.90 -11.87	37.17 1.04 -15.29	45.55 1.05 -22.52	43.62 1.21 -18.64	43.04 1.24 -18.35	34.93 1.19 -10.92	27.88 0.99 -8.90	25.56 0.80 -8.81
NEG CENTRAL_HIGH_ACRES 23767	13.66 -0.43 -0.92	13.49 -0.49 -0.81	13.40 -0.47 -0.71	13.36 -0.53 -0.74	13.35 -0.54 -0.76	17.31 -0.60 -0.26	21.13 -0.55 -0.42	22.51 -0.76 -0.79	22.99 -0.95 -0.28	21.02 -0.85 0.00	20.41 -0.85 0.00	20.59 -0.86 0.00	18.81 -0.65 -0.36	19.36 -0.65 -0.40	19.23 -0.66 -0.55	19.55 -0.68 -0.80	19.34 -0.62 -1.19	21.57 -0.79 -1.52	23.24 -0.92 -2.19	24.60 -0.90 -1.73	24.26 -0.89 -1.71	23.01 -0.82 -1.01	18.16 -0.65 -0.82	16.36 -0.43 -0.83
NEG CENTRAL___DRP 24199	14.09 -0.08 -0.99	13.92 -0.12 -0.87	13.78 -0.14 -0.76	13.78 -0.16 -0.79	13.78 -0.17 -0.81	17.86 -0.07 -0.28	21.78 0.06 -0.45	23.29 -0.04 -0.84	23.81 -0.14 -0.30	21.79 -0.09 -0.01	21.14 -0.13 -0.01	21.33 -0.13 -0.01	19.37 -0.13 -0.40	19.95 -0.10 -0.45	19.84 -0.12 -0.61	20.23 -0.10 -0.90	20.01 -0.08 -1.32	22.40 -0.13 -1.68	24.23 -0.15 -2.41	25.58 -0.07 -1.88	25.23 -0.07 -1.85	23.84 -0.07 -1.09	18.78 -0.09 -0.89	16.83 -0.03 -0.90
NEG CENTRAL___INDECK 23768	14.57 0.13 -1.26	14.34 0.07 -1.11	14.23 0.09 -0.97	14.16 0.00 -1.01	14.16 -0.01 -1.04	18.20 0.19 -0.35	22.35 0.51 -0.57	23.83 0.25 -1.09	23.99 -0.05 -0.38	21.78 -0.09 0.00	21.11 -0.15 0.00	21.30 -0.15 0.00	19.50 -0.10 -0.49	20.06 -0.10 -0.55	20.00 -0.10 -0.75	20.44 -0.10 -1.11	20.39 -0.02 -1.64	22.82 -0.12 -2.10	24.89 -0.11 -3.02	26.23 0.07 -2.40	25.92 0.12 -2.36	24.37 0.16 -1.39	19.23 0.11 -1.13	17.42 0.32 -1.14
NEG CENTRAL___SENECA 23627	14.23 -0.03 -1.08	14.05 -0.07 -0.95	13.90 -0.09 -0.83	13.90 -0.11 -0.86	13.90 -0.12 -0.89	17.97 0.02 -0.30	21.93 0.17 -0.49	23.45 0.04 -0.92	23.88 -0.09 -0.32	21.84 -0.04 -0.01	21.19 -0.09 -0.01	21.38 -0.09 -0.01	19.44 -0.10 -0.44	20.03 -0.06 -0.49	19.93 -0.08 -0.66	20.33 -0.08 -0.98	20.18 -0.02 -1.43	22.59 -0.08 -1.83	24.49 -0.11 -2.62	25.79 -0.02 -2.05	25.44 -0.02 -2.02	23.99 -0.02 -1.19	18.90 -0.05 -0.97	16.96 0.02 -0.98
NEG CENTRAL___STATE_STREET 24147	14.10 -0.05 -0.98	13.94 -0.08 -0.86	13.82 -0.09 -0.75	13.83 -0.11 -0.78	13.82 -0.12 -0.80	17.88 -0.05 -0.27	21.99 0.28 -0.44	23.55 0.22 -0.83	24.04 0.09 -0.29	22.08 0.20 -0.01	21.42 0.15 -0.01	21.63 0.17 -0.01	19.63 0.13 -0.40	20.22 0.18 -0.44	20.10 0.15 -0.60	20.47 0.16 -0.89	20.24 0.17 -1.30	22.63 0.13 -1.66	24.46 0.11 -2.38	25.84 0.21 -1.86	25.49 0.21 -1.83	24.11 0.21 -1.08	18.97 0.11 -0.88	16.98 0.13 -0.89
NEG MILLWOOD___DRP 24198	21.27 0.82 -7.28	20.37 0.79 -6.41	19.53 0.76 -5.60	19.75 0.79 -5.82	19.88 0.76 -5.98	20.79 1.09 -2.04	25.82 1.25 -3.30	30.08 1.39 -6.20	27.54 1.70 -2.18	23.55 1.49 -0.19	23.00 1.53 -0.20	23.24 1.57 -0.22	23.71 1.43 -3.18	24.72 1.51 -3.61	25.72 1.53 -4.85	28.06 1.55 -7.08	30.52 1.48 -10.26	35.51 1.60 -13.06	42.07 1.67 -18.43	39.46 1.76 -13.94	38.89 1.74 -13.71	32.44 1.60 -8.02	25.68 1.15 -6.54	23.62 0.93 -6.74
NEG NORTH_FLCN_SEA 23793	13.07 -0.16 -0.05	13.09 -0.12 -0.04	13.17 -0.03 -0.04	13.23 0.04 -0.04	13.36 0.18 -0.04	17.85 0.18 -0.01	21.57 0.28 -0.02	23.25 0.72 -0.04	24.36 0.69 -0.01	22.57 0.70 0.00	21.92 0.66 0.00	21.92 0.47 0.00	19.58 0.46 -0.02	19.92 0.29 -0.02	19.68 0.31 -0.03	19.76 0.29 -0.04	19.08 0.24 -0.06	21.43 0.50 -0.08	22.75 0.66 -0.12	24.53 0.67 -0.09	24.22 0.68 -0.09	23.52 0.64 -0.05	18.50 0.47 -0.04	16.47 0.46 -0.04
NEG NORTH_KES_CHATEGAY 23792	12.99 -0.24 -0.05	13.00 -0.21 -0.05	13.10 -0.11 -0.04	13.14 -0.05 -0.04	13.26 0.08 -0.04	17.69 0.02 -0.01	21.35 0.06 -0.02	22.73 0.20 -0.04	23.79 0.12 -0.02	22.00 0.13 0.00	21.37 0.11 0.00	21.39 -0.06 0.00	19.08 -0.04 -0.02	19.45 -0.18 -0.02	19.22 -0.15 -0.03	19.30 -0.17 -0.05	18.65 -0.19 -0.07	20.91 -0.02 -0.09	22.21 0.11 -0.12	23.93 0.07 -0.10	23.66 0.12 -0.10	22.97 0.09 -0.06	18.08 0.05 -0.05	16.12 0.11 -0.05



NEG NORTH___ALICE_FALLS 23915	13.08 -0.14 -0.05	13.09 -0.12 -0.04	13.19 -0.01 -0.04	13.23 0.04 -0.04	13.37 0.20 -0.04	17.86 0.19 -0.01	21.59 0.30 -0.02	23.23 0.70 -0.04	24.31 0.64 -0.01	22.53 0.66 0.00	21.88 0.62 0.00	21.88 0.43 0.00	19.54 0.42 -0.02	19.86 0.24 -0.02	19.66 0.29 -0.03	19.75 0.27 -0.04	19.06 0.23 -0.06	21.43 0.50 -0.08	22.77 0.68 -0.12	24.53 0.67 -0.09	24.24 0.70 -0.09	23.54 0.66 -0.05	18.48 0.45 -0.04	16.45 0.45 -0.05
NEG NORTH___LWR_SARANAC 23913	13.08 -0.14 -0.05	13.09 -0.12 -0.04	13.19 -0.01 -0.04	13.23 0.04 -0.04	13.37 0.20 -0.04	17.86 0.19 -0.01	21.59 0.30 -0.02	23.23 0.70 -0.04	24.31 0.64 -0.01	22.53 0.66 0.00	21.88 0.62 0.00	21.88 0.43 0.00	19.54 0.42 -0.02	19.86 0.24 -0.02	19.66 0.29 -0.03	19.75 0.27 -0.04	19.06 0.23 -0.06	21.43 0.50 -0.08	22.77 0.68 -0.12	24.53 0.67 -0.09	24.24 0.70 -0.09	23.54 0.66 -0.05	18.48 0.45 -0.04	16.45 0.45 -0.05
NEG NORTH___PLATTSBURG 23628	13.03 -0.14 0.00	13.04 -0.12 0.00	13.12 -0.04 0.00	13.19 0.04 0.00	13.35 0.21 0.00	17.85 0.19 0.00	21.56 0.30 0.00	23.19 0.70 0.00	24.30 0.64 0.00	22.53 0.66 0.00	21.88 0.62 0.00	21.88 0.43 0.00	19.52 0.42 0.00	19.84 0.24 0.00	19.64 0.29 0.00	19.70 0.27 0.00	18.99 0.23 0.00	21.34 0.50 0.00	22.66 0.68 0.00	24.43 0.66 0.00	24.15 0.70 0.00	23.48 0.66 0.00	18.43 0.45 0.00	16.37 0.41 0.00
NEG WEST_LEA_LOCKPORT 23791	13.72 -0.58 -1.12	13.50 -0.64 -0.99	13.34 -0.68 -0.86	13.35 -0.70 -0.90	13.35 -0.71 -0.92	17.10 -0.87 -0.31	20.95 -0.83 -0.51	22.12 -1.33 -0.95	22.41 -1.58 -0.34	20.59 -1.29 -0.01	19.95 -1.32 -0.01	20.09 -1.37 -0.01	18.45 -1.11 -0.45	19.01 -1.10 -0.51	18.89 -1.14 -0.69	19.30 -1.15 -1.02	19.15 -1.11 -1.49	21.33 -1.42 -1.91	22.97 -1.74 -2.73	24.12 -1.78 -2.13	23.93 -1.62 -2.10	22.55 -1.51 -1.24	18.02 -0.97 -1.01	16.44 -0.54 -1.02
NEG WEST___LANCASTR 23811	13.73 -0.72 -1.28	13.52 -0.78 -1.13	13.33 -0.82 -0.99	13.36 -0.82 -1.03	13.36 -0.83 -1.06	17.03 -0.99 -0.36	20.87 -0.98 -0.58	22.28 -1.30 -1.09	22.50 -1.54 -0.38	21.23 -0.66 -0.01	20.61 -0.66 -0.01	20.76 -0.71 -0.01	18.53 -1.09 -0.52	19.11 -1.08 -0.58	19.05 -1.08 -0.79	19.49 -1.11 -1.17	19.39 -1.09 -1.71	21.65 -1.38 -2.18	23.43 -1.67 -3.13	24.52 -1.69 -2.44	24.32 -1.52 -2.40	22.71 -1.53 -1.41	18.11 -1.03 -1.15	16.43 -0.70 -1.17
NEG_PENN_ALLEGHNY 23528	15.44 0.05 -2.21	15.13 0.03 -1.95	14.89 0.03 -1.70	14.90 -0.01 -1.76	14.92 -0.03 -1.81	18.34 0.07 -0.62	22.46 0.19 -1.00	24.55 0.11 -1.95	24.41 0.07 -0.69	22.03 0.15 0.00	21.39 0.13 0.00	21.58 0.13 0.00	20.02 0.04 -0.88	20.67 0.08 -0.98	20.77 0.08 -1.35	21.49 0.08 -1.98	21.79 0.09 -2.93	24.63 0.04 -3.75	27.38 0.00 -5.40	28.14 0.10 -4.28	27.75 0.09 -4.21	25.42 0.11 -2.49	20.08 0.07 -2.03	18.11 0.11 -2.04
NEG___GEN_MONROE 24207	13.86 -0.26 -0.95	13.68 -0.32 -0.84	13.58 -0.32 -0.73	13.57 -0.34 -0.76	13.56 -0.35 -0.78	17.60 -0.32 -0.27	21.48 -0.21 -0.43	22.76 -0.54 -0.81	23.25 -0.69 -0.28	21.22 -0.66 -0.01	20.50 -0.77 -0.01	20.62 -0.84 -0.01	18.87 -0.61 -0.38	19.45 -0.59 -0.43	19.27 -0.66 -0.59	19.63 -0.66 -0.86	19.41 -0.62 -1.26	21.64 -0.81 -1.61	23.34 -0.94 -2.31	24.65 -0.93 -1.81	24.38 -0.84 -1.78	23.12 -0.75 -1.05	18.28 -0.56 -0.85	16.59 -0.24 -0.87
NEPA___ENERGY 23901	14.29 -0.46 -1.58	14.05 -0.50 -1.39	13.82 -0.55 -1.21	13.87 -0.54 -1.26	13.88 -0.55 -1.29	17.44 -0.65 -0.44	21.39 -0.60 -0.71	22.95 -0.88 -1.34	23.06 -1.06 -0.47	21.21 -0.68 -0.01	20.60 -0.68 -0.01	20.76 -0.71 -0.01	18.96 -0.78 -0.64	19.55 -0.76 -0.72	19.54 -0.77 -0.97	20.08 -0.78 -1.43	20.13 -0.73 -2.10	22.58 -0.94 -2.68	24.60 -1.21 -3.84	25.55 -1.21 -3.00	25.32 -1.08 -2.95	23.48 -1.07 -1.74	18.68 -0.72 -1.41	16.95 -0.45 -1.44
NEVERSINK___HYD 23608	20.22 0.96 -6.09	19.41 0.88 -5.36	18.71 0.87 -4.68	18.88 0.87 -4.86	19.03 0.89 -5.00	20.72 1.36 -1.70	25.49 1.47 -2.76	29.16 1.62 -5.05	27.25 1.82 -1.77	23.48 1.51 -0.10	22.91 1.55 -0.09	23.08 1.52 -0.10	22.94 1.32 -2.52	23.80 1.35 -2.84	24.54 1.35 -3.84	26.46 1.40 -5.63	28.31 1.31 -8.22	32.81 1.48 -10.49	38.43 1.54 -14.92	36.95 1.69 -11.50	36.45 1.69 -11.31	30.97 1.51 -6.64	24.52 1.12 -5.42	22.42 0.93 -5.53
NEWKRMKL_115KV_TB1 55635	22.75 0.21 -9.36	21.62 0.21 -8.25	20.57 0.21 -7.20	20.84 0.21 -7.48	21.05 0.22 -7.69	20.61 0.34 -2.62	25.95 0.45 -4.24	30.86 0.40 -7.97	27.00 0.54 -2.80	22.15 0.44 0.16	21.52 0.43 0.17	21.76 0.49 0.18	22.95 0.46 -3.39	23.80 0.47 -3.73	24.98 0.48 -5.16	27.56 0.47 -7.66	30.70 0.47 -11.46	36.09 0.52 -14.73	44.07 0.53 -21.57	42.00 0.59 -17.64	41.40 0.59 -17.37	33.68 0.55 -10.31	26.82 0.43 -8.41	24.61 0.29 -8.36
NEWTON___FALLS_HYD 23847	12.82 -0.55 -0.20	12.79 -0.55 -0.18	12.79 -0.53 -0.15	12.78 -0.53 -0.16	12.81 -0.49 -0.17	16.99 -0.72 -0.06	20.49 -0.87 -0.09	21.87 -0.79 -0.17	22.72 -0.99 -0.06	20.93 -0.94 0.00	20.33 -0.94 0.00	20.44 -1.01 0.00	18.30 -0.88 -0.08	18.75 -0.94 -0.09	18.54 -0.93 -0.12	18.68 -0.93 -0.18	18.15 -0.88 -0.27	20.39 -0.79 -0.34	21.76 -0.70 -0.49	23.44 -0.71 -0.38	23.12 -0.70 -0.38	22.31 -0.73 -0.22	17.50 -0.67 -0.18	15.62 -0.53 -0.18
NGRID_A1_DSASP 323792	13.48 -0.83 -1.14	13.27 -0.90 -1.00	13.18 -0.86 -0.87	13.12 -0.93 -0.91	13.12 -0.95 -0.93	16.76 -1.22 -0.32	20.51 -1.28 -0.51	21.65 -1.82 -0.98	21.92 -2.08 -0.35	20.10 -1.77 0.00	19.50 -1.76 0.00	19.65 -1.80 0.00	18.08 -1.47 -0.45	18.61 -1.49 -0.50	18.53 -1.49 -0.68	18.89 -1.54 -1.00	18.80 -1.44 -1.48	20.88 -1.86 -1.89	22.52 -2.18 -2.72	23.64 -2.28 -2.16	23.44 -2.13 -2.12	22.14 -1.94 -1.25	17.71 -1.30 -1.02	16.18 -0.81 -1.03
NGRID_A2_DSASP 323793	13.48 -0.83 -1.14	13.27 -0.90 -1.00	13.18 -0.86 -0.87	13.12 -0.93 -0.91	13.12 -0.95 -0.93	16.76 -1.22 -0.32	20.51 -1.28 -0.51	21.65 -1.82 -0.98	21.92 -2.08 -0.35	20.10 -1.77 0.00	19.50 -1.76 0.00	19.65 -1.80 0.00	18.08 -1.47 -0.45	18.61 -1.49 -0.50	18.53 -1.49 -0.68	18.89 -1.54 -1.00	18.80 -1.44 -1.48	20.88 -1.86 -1.89	22.52 -2.18 -2.72	23.64 -2.28 -2.16	23.44 -2.13 -2.12	22.14 -1.94 -1.25	17.71 -1.30 -1.02	16.18 -0.81 -1.03
NGRID_A4_DSASP 323807	13.48 -0.83 -1.14	13.27 -0.90 -1.00	13.18 -0.86 -0.87	13.12 -0.93 -0.91	13.12 -0.95 -0.93	16.76 -1.22 -0.32	20.51 -1.28 -0.51	21.65 -1.82 -0.98	21.92 -2.08 -0.35	20.10 -1.77 0.00	19.50 -1.76 0.00	19.65 -1.80 0.00	18.08 -1.47 -0.45	18.61 -1.49 -0.50	18.53 -1.49 -0.68	18.89 -1.54 -1.00	18.80 -1.44 -1.48	20.88 -1.86 -1.89	22.52 -2.18 -2.72	23.64 -2.28 -2.16	23.44 -2.13 -2.12	22.14 -1.94 -1.25	17.71 -1.30 -1.02	16.18 -0.81 -1.03
NIAGARA_115E_LBMP 323715	13.56 -0.75 -1.13	13.34 -0.82 -1.00	13.26 -0.78 -0.87	13.20 -0.85 -0.90	13.19 -0.88 -0.93	16.86 -1.11 -0.32	20.63 -1.15 -0.51	21.78 -1.69 -0.98	22.06 -1.94 -0.34	20.25 -1.62 0.00	19.63 -1.64 0.00	19.78 -1.67 0.00	18.17 -1.38 -0.44	18.71 -1.39 -0.49	18.63 -1.39 -0.68	18.99 -1.44 -1.00	18.89 -1.35 -1.47	21.02 -1.71 -1.88	22.65 -2.04 -2.71	23.80 -2.12 -2.15	23.62 -1.95 -2.12	22.24 -1.83 -1.25	17.80 -1.20 -1.02	16.25 -0.73 -1.03



NIAGARA_115W_LBMP 323714	13.44 -0.87 -1.13	13.24 -0.92 -1.00	13.15 -0.88 -0.87	13.10 -0.96 -0.91	13.08 -0.99 -0.93	16.72 -1.25 -0.32	20.46 -1.32 -0.51	21.58 -1.89 -0.98	21.87 -2.13 -0.34	20.03 -1.84 0.00	19.43 -1.83 0.00	19.59 -1.87 0.00	18.02 -1.53 -0.44	18.57 -1.53 -0.50	18.47 -1.55 -0.68	18.86 -1.57 -1.00	18.76 -1.48 -1.47	20.81 -1.92 -1.89	22.45 -2.24 -2.72	23.57 -2.35 -2.15	23.36 -2.20 -2.12	22.09 -1.99 -1.25	17.66 -1.35 -1.02	16.13 -0.86 -1.03
NIAGARA_230_LBMP 323716	13.63 -0.67 -1.12	13.41 -0.74 -0.99	13.33 -0.70 -0.86	13.27 -0.78 -0.90	13.27 -0.79 -0.92	16.96 -1.01 -0.31	20.75 -1.02 -0.51	21.91 -1.55 -0.97	22.20 -1.80 -0.34	20.36 -1.51 0.00	19.75 -1.51 0.00	19.91 -1.54 0.00	18.30 -1.24 -0.44	18.84 -1.26 -0.49	18.76 -1.26 -0.67	19.12 -1.30 -0.99	19.02 -1.20 -1.46	21.15 -1.56 -1.87	22.80 -1.87 -2.69	23.95 -1.95 -2.13	23.74 -1.80 -2.10	22.39 -1.67 -1.24	17.90 -1.10 -1.01	16.34 -0.64 -1.02
NIAGARA__115KV_198_GIBSON 55903	13.43 -0.87 -1.12	13.23 -0.92 -0.99	13.07 -0.96 -0.86	13.09 -0.96 -0.90	13.07 -0.99 -0.92	16.72 -1.25 -0.31	20.46 -1.32 -0.51	21.58 -1.87 -0.96	21.86 -2.13 -0.34	20.04 -1.84 -0.01	19.44 -1.83 -0.01	19.60 -1.87 -0.01	18.05 -1.51 -0.45	18.60 -1.51 -0.51	18.49 -1.55 -0.69	18.89 -1.55 -1.02	18.78 -1.48 -1.50	20.86 -1.90 -1.91	22.49 -2.22 -2.74	23.55 -2.35 -2.14	23.35 -2.20 -2.10	22.05 -2.01 -1.24	17.65 -1.35 -1.01	16.11 -0.88 -1.02
NIAGARA____ 23760	13.49 -0.82 -1.13	13.28 -0.88 -1.00	13.19 -0.84 -0.87	13.13 -0.92 -0.91	13.13 -0.93 -0.93	16.79 -1.18 -0.32	20.59 -1.19 -0.51	21.78 -1.69 -0.98	22.08 -1.92 -0.34	20.23 -1.64 0.00	19.63 -1.64 0.00	19.78 -1.67 0.00	18.19 -1.36 -0.44	18.72 -1.37 -0.49	18.63 -1.39 -0.67	19.01 -1.42 -0.99	18.90 -1.33 -1.47	21.01 -1.71 -1.88	22.66 -2.02 -2.71	23.79 -2.12 -2.14	23.59 -1.97 -2.11	22.26 -1.80 -1.24	17.78 -1.22 -1.02	16.20 -0.78 -1.03
NINE_MILE_1 23575	13.28 -0.47 -0.58	13.17 -0.50 -0.51	13.12 -0.49 -0.45	13.10 -0.51 -0.46	13.09 -0.53 -0.48	17.18 -0.63 -0.16	20.83 -0.70 -0.26	22.20 -0.79 -0.50	22.96 -0.87 -0.18	21.06 -0.81 0.00	20.45 -0.81 0.00	20.66 -0.79 0.00	18.64 -0.69 -0.23	19.17 -0.69 -0.25	18.99 -0.70 -0.35	19.24 -0.70 -0.51	18.86 -0.66 -0.75	21.03 -0.77 -0.96	22.53 -0.83 -1.39	24.01 -0.85 -1.10	23.68 -0.84 -1.08	22.66 -0.80 -0.64	17.86 -0.65 -0.52	15.94 -0.54 -0.52
NINE_MILE_2 23744	13.28 -0.47 -0.58	13.17 -0.50 -0.51	13.12 -0.49 -0.45	13.10 -0.51 -0.46	13.09 -0.53 -0.48	17.18 -0.63 -0.16	20.83 -0.70 -0.26	22.20 -0.79 -0.50	22.96 -0.87 -0.18	21.06 -0.81 0.00	20.48 -0.79 0.00	20.66 -0.79 0.00	18.64 -0.69 -0.23	19.17 -0.69 -0.25	18.99 -0.70 -0.35	19.24 -0.70 -0.51	18.86 -0.66 -0.75	21.03 -0.77 -0.96	22.53 -0.83 -1.39	24.01 -0.85 -1.10	23.68 -0.84 -1.08	22.66 -0.80 -0.64	17.86 -0.65 -0.52	15.94 -0.54 -0.52
NM_CAPITAL____DRP 24208	22.72 0.25 -9.30	21.60 0.25 -8.19	20.56 0.25 -7.15	20.82 0.25 -7.42	21.04 0.26 -7.64	20.63 0.37 -2.60	25.99 0.51 -4.21	30.87 0.47 -7.91	27.05 0.62 -2.78	22.19 0.50 0.18	21.56 0.49 0.19	21.80 0.56 0.21	22.94 0.52 -3.32	23.78 0.53 -3.65	24.93 0.52 -5.06	27.48 0.52 -7.53	30.58 0.53 -11.28	35.94 0.58 -14.51	43.87 0.59 -21.30	41.91 0.64 -17.50	41.33 0.66 -17.23	33.68 0.62 -10.24	26.82 0.49 -8.35	24.58 0.34 -8.28
NM_CENTRAL____DRP 24181	13.69 -0.21 -0.72	13.56 -0.24 -0.64	13.47 -0.25 -0.55	13.46 -0.26 -0.58	13.45 -0.28 -0.59	17.57 -0.28 -0.20	21.34 -0.26 -0.33	22.79 -0.31 -0.61	23.49 -0.38 -0.22	21.55 -0.33 -0.01	20.95 -0.32 -0.01	21.16 -0.30 -0.01	19.13 -0.27 -0.29	19.68 -0.25 -0.33	19.54 -0.25 -0.44	19.83 -0.25 -0.65	19.50 -0.23 -0.96	21.76 -0.31 -1.23	23.38 -0.35 -1.76	24.83 -0.31 -1.37	24.47 -0.33 -1.35	23.34 -0.27 -0.79	18.38 -0.25 -0.65	16.39 -0.22 -0.66
NM_FRONTIER____DRP 24179	13.43 -0.87 -1.12	13.23 -0.92 -0.99	13.07 -0.96 -0.86	13.09 -0.96 -0.90	13.07 -0.99 -0.92	16.72 -1.25 -0.31	20.46 -1.32 -0.51	21.58 -1.87 -0.96	21.86 -2.13 -0.34	20.04 -1.84 -0.01	19.44 -1.83 -0.01	19.60 -1.87 -0.01	18.05 -1.51 -0.45	18.60 -1.51 -0.51	18.49 -1.55 -0.69	18.89 -1.55 -1.02	18.78 -1.48 -1.50	20.86 -1.90 -1.91	22.49 -2.22 -2.74	23.55 -2.35 -2.14	23.35 -2.20 -2.10	22.05 -2.01 -1.24	17.65 -1.35 -1.01	16.11 -0.88 -1.02
NM_ST_REGIS____HYD 24053	12.80 -0.47 -0.10	12.80 -0.45 -0.09	12.85 -0.39 -0.08	12.85 -0.38 -0.08	12.93 -0.29 -0.08	17.10 -0.58 -0.03	20.57 -0.74 -0.05	21.97 -0.61 -0.09	22.91 -0.78 -0.03	21.19 -0.68 0.00	20.60 -0.66 0.00	20.68 -0.77 0.00	18.49 -0.65 -0.04	18.87 -0.78 -0.05	18.67 -0.74 -0.06	18.76 -0.76 -0.09	18.15 -0.75 -0.14	20.39 -0.63 -0.17	21.65 -0.57 -0.25	23.32 -0.64 -0.19	23.00 -0.63 -0.19	22.27 -0.66 -0.11	17.50 -0.58 -0.09	15.67 -0.38 -0.09
NORTHPORT____1 23551	21.39 1.08 -7.13	21.75 1.08 -7.51	19.92 1.08 -5.68	19.92 1.08 -5.69	20.96 1.04 -6.78	21.32 1.46 -2.20	26.18 1.68 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.04 1.97 -0.20	23.32 1.85 -0.20	23.58 1.91 -0.22	24.26 1.79 -3.37	25.19 1.77 -3.82	33.97 1.80 -12.82	30.44 1.75 -9.26	31.55 1.52 -11.26	38.05 1.54 -15.67	45.19 1.58 -21.63	42.68 1.85 -17.06	44.60 1.76 -19.39	35.47 1.73 -10.91	29.04 1.51 -9.54	24.28 1.23 -7.09
NORTHPORT____2 23552	21.39 1.08 -7.13	21.75 1.08 -7.51	19.92 1.08 -5.68	19.92 1.08 -5.69	20.96 1.04 -6.78	21.32 1.46 -2.20	26.18 1.68 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.04 1.97 -0.20	23.32 1.85 -0.20	23.58 1.91 -0.22	24.26 1.79 -3.37	25.19 1.77 -3.82	33.97 1.80 -12.82	30.44 1.75 -9.26	31.55 1.52 -11.26	38.05 1.54 -15.67	45.19 1.58 -21.63	42.68 1.85 -17.06	44.60 1.76 -19.39	35.47 1.73 -10.91	29.04 1.51 -9.54	24.28 1.23 -7.09
NORTHPORT____3 23553	21.45 1.15 -7.13	21.82 1.14 -7.51	19.97 1.13 -5.68	19.97 1.13 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.30 1.81 -3.23	30.59 2.05 -6.06	28.13 2.34 -2.13	24.19 2.12 -0.20	23.51 2.04 -0.20	23.75 2.08 -0.22	24.42 1.95 -3.37	25.40 1.98 -3.82	34.18 2.01 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.47 1.96 -15.67	45.63 2.02 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.83 2.10 -10.91	29.20 1.67 -9.54	24.42 1.37 -7.09
NORTHPORT____4 23650	21.45 1.15 -7.13	21.82 1.14 -7.51	19.97 1.13 -5.68	19.97 1.13 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.30 1.81 -3.23	30.59 2.05 -6.06	28.13 2.34 -2.13	24.19 2.12 -0.20	23.51 2.04 -0.20	23.75 2.08 -0.22	24.42 1.95 -3.37	25.40 1.98 -3.82	34.18 2.01 -12.82	30.69 2.00 -9.26	31.89 1.86 -11.26	38.47 1.96 -15.67	45.63 2.02 -21.63	43.11 2.28 -17.06	45.04 2.20 -19.39	35.83 2.10 -10.91	29.20 1.67 -9.54	24.42 1.37 -7.09
NORTHPORT____IC 23718	21.39 1.08 -7.13	21.75 1.08 -7.51	19.92 1.08 -5.68	19.92 1.08 -5.69	20.96 1.04 -6.78	21.32 1.46 -2.20	26.18 1.68 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.04 1.97 -0.20	23.32 1.85 -0.20	23.58 1.91 -0.22	24.26 1.79 -3.37	25.19 1.77 -3.82	33.97 1.80 -12.82	30.44 1.75 -9.26	31.55 1.52 -11.26	38.05 1.54 -15.67	45.19 1.58 -21.63	42.68 1.85 -17.06	44.60 1.76 -19.39	35.47 1.73 -10.91	29.04 1.51 -9.54	24.28 1.23 -7.09



NORTH__COUNTRY_ESR 323785	12.90 -0.28 0.00	12.93 -0.24 0.00	13.00 -0.16 0.00	13.06 -0.09 0.00	13.18 0.04 0.00	17.62 -0.04 0.00	21.27 0.00 0.00	22.62 0.14 0.00	23.70 0.05 0.00	21.96 0.09 0.00	21.33 0.06 0.00	21.37 -0.09 0.00	19.04 -0.06 0.00	19.41 -0.20 0.00	19.17 -0.17 0.00	19.22 -0.21 0.00	18.52 -0.24 0.00	20.76 -0.08 0.00	22.00 0.02 0.00	23.74 -0.02 0.00	23.45 0.00 0.00	22.82 0.00 0.00	17.97 -0.02 0.00	15.99 0.03 0.00
NPX_GEN_1385_PROXY 323591	21.31 1.00 -7.13	21.69 1.01 -7.51	19.84 1.00 -5.68	19.84 1.00 -5.69	20.89 0.97 -6.78	21.21 1.36 -2.20	25.82 1.32 -3.23	29.96 1.42 -6.06	27.25 1.47 -2.13	23.45 1.38 -0.20	22.66 1.19 -0.20	23.00 1.33 -0.22	23.67 1.20 -3.37	23.30 1.02 -2.68	24.00 1.06 -3.59	25.65 1.03 -5.19	27.47 0.85 -7.86	36.54 0.79 -14.91	40.90 0.81 -18.11	42.18 1.35 -17.06	43.78 0.94 -19.39	34.99 1.25 -10.91	28.64 1.12 -9.54	23.91 0.86 -7.09
NPX_GEN_CSC 323557	21.36 1.05 -7.13	21.79 1.12 -7.51	19.99 1.14 -5.68	19.99 1.14 -5.69	21.01 1.09 -6.78	21.37 1.52 -2.20	26.11 1.62 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.30 1.83 -0.20	23.56 1.89 -0.22	24.24 1.78 -3.37	25.23 1.80 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.78 1.75 -11.26	38.36 1.85 -15.67	45.50 1.89 -21.63	42.99 2.16 -17.06	44.95 2.11 -19.39	35.72 1.98 -10.91	29.11 1.58 -9.54	24.31 1.26 -7.09
NSINS_S_GLNS_FALLS 23858	23.54 0.53 -9.84	22.34 0.51 -8.67	21.22 0.49 -7.57	21.50 0.49 -7.86	21.74 0.51 -8.09	21.15 0.74 -2.75	26.85 1.13 -4.46	32.04 1.17 -8.38	27.86 1.25 -2.95	22.76 1.05 0.16	22.03 0.94 0.16	22.28 1.01 0.18	23.55 0.86 -3.59	24.47 0.92 -3.95	25.31 0.50 -5.46	28.06 0.52 -8.11	31.51 0.64 -12.11	37.17 0.77 -15.56	45.47 0.75 -22.75	43.27 0.95 -18.56	42.72 1.01 -18.27	34.60 0.94 -10.84	27.85 1.03 -8.84	25.57 0.81 -8.80
NUCOR_STEEL__DRP 24197	14.11 -0.01 -0.95	13.96 -0.04 -0.84	13.84 -0.05 -0.73	13.86 -0.05 -0.76	13.84 -0.08 -0.78	17.94 0.02 -0.27	21.87 0.17 -0.43	23.41 0.11 -0.81	23.89 -0.05 -0.29	21.94 0.07 -0.01	21.27 0.00 -0.01	21.48 0.02 -0.01	19.49 0.00 -0.39	20.09 0.06 -0.43	19.95 0.02 -0.59	20.31 0.02 -0.86	20.09 0.06 -1.27	22.46 0.00 -1.62	24.27 -0.02 -2.32	25.65 0.07 -1.81	25.30 0.07 -1.78	23.94 0.07 -1.05	18.86 0.02 -0.86	16.88 0.05 -0.87
NUMBER_THREE_WT_PWR 323818	13.24 -0.24 -0.30	13.19 -0.24 -0.27	13.17 -0.22 -0.23	13.15 -0.24 -0.24	13.16 -0.22 -0.25	17.49 -0.25 -0.08	21.09 -0.32 -0.14	22.50 -0.25 -0.26	23.32 -0.43 -0.09	21.39 -0.48 0.00	20.75 -0.51 0.00	20.92 -0.54 0.00	18.74 -0.48 -0.12	19.25 -0.49 -0.13	19.02 -0.50 -0.18	19.19 -0.51 -0.27	18.73 -0.43 -0.39	21.03 -0.31 -0.50	22.52 -0.18 -0.72	24.27 -0.07 -0.57	23.92 -0.09 -0.56	23.00 -0.16 -0.33	18.04 -0.22 -0.27	16.01 -0.22 -0.27
NYISO_LBMP_REFERENCE 24008	13.17 0.00 0.00	13.16 0.00 0.00	13.16 0.00 0.00	13.15 0.00 0.00	13.14 0.00 0.00	17.66 0.00 0.00	21.27 0.00 0.00	22.49 0.00 0.00	23.66 0.00 0.00	21.87 0.00 0.00	21.26 0.00 0.00	21.45 0.00 0.00	19.10 0.00 0.00	19.60 0.00 0.00	19.34 0.00 0.00	19.43 0.00 0.00	18.77 0.00 0.00	20.84 0.00 0.00	21.97 0.00 0.00	23.77 0.00 0.00	23.45 0.00 0.00	22.82 0.00 0.00	17.99 0.00 0.00	15.96 0.00 0.00
NYPA_BRENTWD__GT 24164	21.52 1.21 -7.13	21.88 1.21 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.09 1.17 -6.78	21.47 1.62 -2.20	26.41 1.91 -3.23	30.70 2.16 -6.06	28.22 2.44 -2.13	24.28 2.21 -0.20	23.55 2.08 -0.20	23.82 2.14 -0.22	24.47 2.01 -3.37	25.44 2.02 -3.82	34.22 2.05 -12.82	30.73 2.04 -9.26	31.89 1.86 -11.26	38.41 1.90 -15.67	45.56 1.96 -21.63	43.09 2.26 -17.06	45.00 2.16 -19.39	35.90 2.17 -10.91	29.29 1.76 -9.54	24.49 1.44 -7.09
NYPA_GOWANUS__GT5 24156	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NYPA_GOWANUS__GT6 24157	21.26 0.96 -7.13	20.37 0.93 -6.28	19.55 0.91 -5.48	19.75 0.91 -5.69	19.86 0.87 -5.86	20.83 1.18 -1.99	25.84 1.34 -3.23	30.18 1.64 -6.05	27.70 1.92 -2.13	23.78 1.71 -0.20	23.19 1.72 -0.20	23.50 1.82 -0.22	24.16 1.70 -3.36	25.23 1.80 -3.82	26.27 1.80 -5.13	28.72 1.81 -7.49	31.19 1.58 -10.84	36.26 1.63 -13.79	43.30 1.89 -19.43	40.37 1.95 -14.65	39.73 1.88 -14.41	33.05 1.80 -8.43	26.19 1.33 -6.87	24.23 1.18 -7.09
NYPA_HARLEM_RVR_GT1 24160	21.20 0.90 -7.13	20.31 0.87 -6.28	19.49 0.84 -5.48	19.68 0.84 -5.69	19.79 0.80 -5.86	20.69 1.04 -1.99	25.66 1.17 -3.22	29.98 1.44 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.32 1.65 -0.21	23.99 1.53 -3.36	25.02 1.61 -3.81	26.05 1.59 -5.12	28.50 1.59 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.05 1.65 -19.42	40.10 1.69 -14.64	39.49 1.64 -14.40	32.77 1.53 -8.42	25.96 1.12 -6.86	24.03 0.99 -7.08
NYPA_HARLEM_RVR_GT2 24161	21.20 0.90 -7.13	20.31 0.87 -6.28	19.49 0.84 -5.48	19.68 0.84 -5.69	19.79 0.80 -5.86	20.69 1.04 -1.99	25.66 1.17 -3.22	29.98 1.44 -6.05	27.50 1.73 -2.12	23.61 1.55 -0.19	23.01 1.55 -0.20	23.32 1.65 -0.21	23.99 1.53 -3.36	25.02 1.61 -3.81	26.05 1.59 -5.12	28.50 1.59 -7.48	31.01 1.41 -10.84	36.04 1.42 -13.78	43.05 1.65 -19.42	40.10 1.69 -14.64	39.49 1.64 -14.40	32.77 1.53 -8.42	25.96 1.12 -6.86	24.03 0.99 -7.08
NYPA_KENT__GT 24152	21.24 0.94 -7.13	20.35 0.91 -6.28	19.54 0.90 -5.48	19.74 0.89 -5.69	19.85 0.85 -5.86	20.81 1.16 -1.99	25.84 1.34 -3.23	30.14 1.60 -6.05	27.68 1.89 -2.13	23.75 1.68 -0.20	23.17 1.70 -0.20	23.48 1.80 -0.22	24.15 1.68 -3.36	25.19 1.77 -3.82	26.22 1.74 -5.13	28.67 1.75 -7.49	31.17 1.56 -10.84	36.22 1.58 -13.79	43.25 1.85 -19.43	40.32 1.90 -14.65	39.69 1.83 -14.41	32.98 1.73 -8.43	26.15 1.30 -6.87	24.20 1.15 -7.09
NYPA_POUCH1__GT 24155	21.33 1.03 -7.13	20.44 1.00 -6.28	19.62 0.97 -5.48	19.81 0.97 -5.69	19.93 0.93 -5.86	20.85 1.20 -1.99	25.84 1.34 -3.23	30.14 1.60 -6.05	27.61 1.82 -2.13	23.64 1.58 -0.20	23.08 1.62 -0.20	23.41 1.74 -0.22	24.11 1.64 -3.36	25.23 1.80 -3.82	26.25 1.78 -5.13	28.72 1.81 -7.49	31.11 1.50 -10.84	36.11 1.48 -13.78	43.18 1.78 -19.42	40.24 1.83 -14.64	39.61 1.76 -14.40	33.01 1.76 -8.43	26.26 1.40 -6.87	24.29 1.25 -7.09
NYPA_VERNON__GT2 24162	21.21 0.91 -7.13	20.32 0.88 -6.28	19.51 0.87 -5.48	19.71 0.87 -5.69	19.82 0.83 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.15 1.73 -3.82	26.18 1.70 -5.13	28.63 1.71 -7.49	31.13 1.52 -10.84	36.20 1.56 -13.79	43.18 1.78 -19.43	40.27 1.85 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.15 1.10 -7.09



NYPY_VERNON____GT3 24163	21.21	20.32	19.51	19.71	19.82	20.80	25.82	30.12	27.68	23.75	23.15	23.45	24.11	25.15	26.18	28.63	31.13	36.20	43.18	40.27	39.64	32.94	26.09	24.15
	0.91	0.88	0.87	0.87	0.83	1.15	1.32	1.57	1.89	1.68	1.68	1.78	1.64	1.73	1.70	1.71	1.52	1.56	1.78	1.85	1.78	1.69	1.24	1.10
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.23	-6.05	-2.13	-0.20	-0.20	-0.22	-3.36	-3.82	-5.13	-7.49	-10.84	-13.79	-19.43	-14.65	-14.41	-8.43	-6.87	-7.09
NYPY____ASTORIA_CC1 323568	21.20	20.31	19.50	19.70	19.81	20.76	25.77	30.07	27.63	23.71	23.13	23.41	24.09	25.11	26.14	28.59	31.11	36.15	43.16	40.22	39.62	32.91	26.06	24.12
	0.90	0.87	0.86	0.85	0.81	1.11	1.28	1.53	1.85	1.64	1.66	1.74	1.62	1.69	1.66	1.67	1.50	1.52	1.76	1.81	1.76	1.67	1.21	1.07
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.23	-6.05	-2.13	-0.20	-0.20	-0.22	-3.36	-3.82	-5.13	-7.49	-10.84	-13.79	-19.43	-14.65	-14.41	-8.43	-6.87	-7.09
NYPY____ASTORIA_CC2 323569	21.20	20.31	19.50	19.70	19.81	20.76	25.77	30.07	27.63	23.71	23.13	23.41	24.09	25.11	26.14	28.59	31.11	36.15	43.16	40.22	39.62	32.91	26.06	24.12
	0.90	0.87	0.86	0.85	0.81	1.11	1.28	1.53	1.85	1.64	1.66	1.74	1.62	1.69	1.66	1.67	1.50	1.52	1.76	1.81	1.76	1.67	1.21	1.07
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.23	-6.05	-2.13	-0.20	-0.20	-0.22	-3.36	-3.82	-5.13	-7.49	-10.84	-13.79	-19.43	-14.65	-14.41	-8.43	-6.87	-7.09
NYPY____HOLTSVILL 23794	21.45	21.84	20.01	20.00	21.05	21.42	26.33	30.61	28.13	24.21	23.49	23.75	24.42	25.38	34.16	30.69	31.87	38.45	45.58	43.09	45.02	35.83	29.23	24.44
	1.15	1.17	1.17	1.16	1.13	1.57	1.83	2.07	2.34	2.14	2.02	2.08	1.95	1.96	1.99	2.00	1.84	1.94	1.98	2.26	2.18	2.10	1.71	1.39
	-7.13	-7.51	-5.68	-5.69	-6.78	-2.20	-3.23	-6.06	-2.13	-0.20	-0.20	-0.22	-3.37	-3.82	-12.82	-9.26	-11.26	-15.67	-21.63	-17.06	-19.39	-10.91	-9.54	-7.09
NYPY____HELLGATE_GT1 24158	21.20	20.31	19.49	19.68	19.79	20.69	25.66	29.98	27.50	23.61	23.01	23.32	23.99	25.02	26.05	28.50	31.01	36.04	43.05	40.10	39.49	32.77	25.96	24.03
	0.90	0.87	0.84	0.84	0.80	1.04	1.17	1.44	1.73	1.55	1.55	1.65	1.53	1.61	1.59	1.59	1.41	1.42	1.65	1.69	1.64	1.53	1.12	0.99
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.22	-6.05	-2.12	-0.19	-0.20	-0.21	-3.36	-3.81	-5.12	-7.48	-10.84	-13.78	-19.42	-14.64	-14.40	-8.42	-6.86	-7.08
NYPY____HELLGATE_GT2 24159	21.20	20.31	19.49	19.68	19.79	20.69	25.66	29.98	27.50	23.61	23.01	23.32	23.99	25.02	26.05	28.50	31.01	36.04	43.05	40.10	39.49	32.77	25.96	24.03
	0.90	0.87	0.84	0.84	0.80	1.04	1.17	1.44	1.73	1.55	1.55	1.65	1.53	1.61	1.59	1.59	1.41	1.42	1.65	1.69	1.64	1.53	1.12	0.99
	-7.13	-6.28	-5.48	-5.69	-5.86	-1.99	-3.22	-6.05	-2.12	-0.19	-0.20	-0.21	-3.36	-3.81	-5.12	-7.48	-10.84	-13.78	-19.42	-14.64	-14.40	-8.42	-6.86	-7.08
NYS_BARGE____HYD 23848	13.69	13.48	13.40	13.34	13.34	17.10	20.92	22.10	22.38	20.58	19.92	20.06	18.41	18.95	18.85	19.22	19.08	21.25	22.88	24.09	23.88	22.52	17.99	16.42
	-0.59	-0.66	-0.62	-0.70	-0.71	-0.86	-0.85	-1.35	-1.61	-1.29	-1.34	-1.39	-1.13	-1.14	-1.16	-1.19	-1.13	-1.44	-1.76	-1.78	-1.64	-1.53	-0.99	-0.54
	-1.11	-0.98	-0.85	-0.89	-0.91	-0.31	-0.50	-0.96	-0.34	0.00	0.00	0.00	-0.44	-0.49	-0.66	-0.98	-1.44	-1.85	-2.66	-2.11	-2.07	-1.22	-1.00	-1.01
OAK ORCHARD____HYD 24046	13.81	13.64	13.56	13.51	13.50	17.48	21.38	22.69	23.16	21.15	20.52	20.70	18.93	19.50	19.34	19.67	19.46	21.69	23.36	24.71	24.43	23.15	18.31	16.57
	-0.30	-0.35	-0.33	-0.39	-0.41	-0.44	-0.32	-0.61	-0.78	-0.72	-0.74	-0.75	-0.53	-0.51	-0.56	-0.58	-0.53	-0.71	-0.86	-0.83	-0.77	-0.71	-0.52	-0.24
	-0.94	-0.83	-0.72	-0.75	-0.77	-0.26	-0.43	-0.81	-0.29	0.00	0.00	0.00	-0.37	-0.41	-0.56	-0.83	-1.22	-1.56	-2.25	-1.78	-1.75	-1.03	-0.84	-0.85
OAKDALE__35_KV_LOAD 356122	15.51	15.19	14.92	14.97	15.01	18.37	22.48	24.53	24.39	22.02	21.39	21.56	20.05	20.69	20.80	21.55	21.88	24.77	27.54	28.17	27.81	25.41	20.10	18.13
	0.04	0.01	0.00	-0.01	-0.01	0.07	0.17	0.09	0.05	0.13	0.11	0.09	0.02	0.04	0.04	0.04	0.06	0.02	-0.02	0.05	0.07	0.07	0.05	0.08
	-2.29	-2.02	-1.76	-1.83	-1.88	-0.64	-1.04	-1.95	-0.69	-0.02	-0.02	-0.02	-0.93	-1.04	-1.42	-2.09	-3.06	-3.91	-5.59	-4.36	-4.29	-2.52	-2.06	-2.09
OCC_CHEM____DRP 24175	13.47	13.26	13.11	13.11	13.11	16.75	20.50	21.63	21.94	20.11	19.51	19.64	18.10	18.64	18.55	18.93	18.82	20.90	22.54	23.63	23.42	22.12	17.70	16.15
	-0.83	-0.89	-0.92	-0.93	-0.95	-1.22	-1.28	-1.82	-2.06	-1.77	-1.76	-1.82	-1.45	-1.47	-1.49	-1.52	-1.45	-1.86	-2.18	-2.28	-2.13	-1.94	-1.29	-0.83
	-1.13	-0.99	-0.87	-0.90	-0.93	-0.31	-0.51	-0.96	-0.34	-0.01	-0.01	-0.01	-0.46	-0.51	-0.69	-1.02	-1.50	-1.91	-2.74	-2.14	-2.11	-1.24	-1.01	-1.03
OH_GEN_PROXY 24063	13.64	13.44	13.34	13.29	13.29	17.00	20.80	21.98	22.27	20.43	19.82	19.97	18.34	18.90	18.80	19.18	19.07	21.22	22.88	24.03	23.82	22.47	17.94	16.36
	-0.66	-0.71	-0.68	-0.76	-0.78	-0.97	-0.98	-1.48	-1.73	-1.44	-1.45	-1.48	-1.20	-1.20	-1.22	-1.24	-1.16	-1.50	-1.80	-1.88	-1.73	-1.60	-1.06	-0.62
	-1.13	-0.99	-0.87	-0.90	-0.93	-0.32	-0.51	-0.98	-0.34	0.00	0.00	0.00	-0.44	-0.49	-0.67	-0.99	-1.47	-1.88	-2.70	-2.14	-2.11	-1.24	-1.01	-1.02
OLIN_CORP_DRP 24177	13.57	13.36	13.20	13.21	13.21	16.90	20.67	21.81	22.10	20.28	19.68	19.81	18.24	18.78	18.69	19.08	18.96	21.10	22.73	23.85	23.64	22.29	17.83	16.26
	-0.74	-0.80	-0.83	-0.84	-0.85	-1.08	-1.11	-1.64	-1.89	-1.60	-1.59	-1.65	-1.32	-1.33	-1.35	-1.38	-1.31	-1.67	-2.00	-2.07	-1.92	-1.78	-1.17	-0.73
	-1.13	-1.00	-0.87	-0.90	-0.93	-0.32	-0.51	-0.96	-0.34	-0.01	-0.01	-0.01	-0.46	-0.51	-0.70	-1.03	-1.51	-1.92	-2.75	-2.15	-2.12	-1.25	-1.02	-1.03
OLIN_CORP_DSASP 323712	13.48	13.27	13.18	13.12	13.12	16.76	20.51	21.65	21.92	20.10	19.50	19.65	18.08	18.61	18.53	18.89	18.80	20.88	22.52	23.64	23.44	22.14	17.71	16.18
	-0.83	-0.90	-0.86	-0.93	-0.95	-1.22	-1.28	-1.82	-2.08	-1.77	-1.76	-1.80	-1.47	-1.49	-1.49	-1.54	-1.44	-1.86	-2.18	-2.28	-2.13	-1.94	-1.30	-0.81
	-1.14	-1.00	-0.87	-0.91	-0.93	-0.32	-0.51	-0.98	-0.35	0.00	0.00	0.00	-0.45	-0.50	-0.68	-1.00	-1.48	-1.89	-2.72	-2.16	-2.12	-1.25	-1.02	-1.03
ONEIDA_HERK_LFGE 323681	13.44	13.38	13.37	13.35	13.34	17.78	21.41	22.78	23.71	21.81	21.16	21.34	19.09	19.62	19.39	19.57	19.06	21.30	22.74	24.48	24.13	23.25	18.26	16.20
	0.00	-0.01	0.00	-0.01	-0.01	0.05	0.02	0.07	-0.02	-0.07	-0.11	-0.11	-0.11	-0.10	-0.12	-0.10	-0.06	0.02	0.13	0.21	0.19	0.14	0.04	0.00
	-0.27	-0.23	-0.20	-0.21	-0.22	-0.07	-0.12	-0.23	-0.08	0.00	0.00	0.00	-0.10	-0.12	-0.16	-0.23	-0.34	-0.44	-0.63	-0.50	-0.49	-0.29	-0.24	-0.24
ONEIDA____115KV_TB4 55905	13.76	13.70	13.63	13.62	13.62	18.06	21.74	23.18	24.00	22.05	21.39	21.58	19.39	19.96	19.73	19.96	19.52	21.84	23.40	25.08	24.72	23.72	18.62	16.54
	0.14	0.14	0.13	0.12	0.12	0.28	0.28	0.31	0.21	0.17	0.13	0.13	0.11	0.16	0.12	0.14	0.17	0.25	0.35	0.48	0.45	0.41	0.23	0.18
	-0.44	-0.39	-0.34	-0.35	-0.36	-0.12	-0.20	-0.38	-0.13	0.00	0.00	0.00	-0.18	-0.20	-0.27	-0.40	-0.59	-0.75	-1.07	-0.84	-0.83	-0.49	-0.40	-0.40



ONONDAGA_REF_OCCRA 23987	13.89 -0.17 -0.88	13.74 -0.20 -0.78	13.64 -0.20 -0.68	13.64 -0.21 -0.71	13.64 -0.22 -0.73	17.71 -0.19 -0.25	21.52 -0.15 -0.40	23.04 -0.20 -0.75	23.66 -0.26 -0.26	21.66 -0.22 -0.01	21.04 -0.23 -0.01	21.24 -0.21 -0.01	19.27 -0.19 -0.36	19.85 -0.16 -0.40	19.72 -0.17 -0.55	20.08 -0.16 -0.80	19.81 -0.13 -1.18	22.16 -0.19 -1.50	23.91 -0.22 -2.15	25.28 -0.17 -1.68	24.91 -0.19 -1.66	23.64 -0.16 -0.97	18.62 -0.16 -0.79	16.62 -0.14 -0.81
ONONDAGA___COGEN 23986	13.83 -0.16 -0.81	13.69 -0.18 -0.71	13.59 -0.20 -0.62	13.59 -0.21 -0.65	13.58 -0.22 -0.67	17.69 -0.19 -0.23	21.51 -0.13 -0.37	22.98 -0.20 -0.69	23.61 -0.28 -0.24	21.66 -0.22 -0.01	21.04 -0.23 -0.01	21.24 -0.21 -0.01	19.24 -0.19 -0.33	19.79 -0.18 -0.37	19.67 -0.17 -0.50	19.99 -0.17 -0.73	19.69 -0.15 -1.08	21.99 -0.23 -1.38	23.68 -0.26 -1.97	25.09 -0.21 -1.54	24.75 -0.21 -1.52	23.53 -0.18 -0.89	18.53 -0.18 -0.73	16.54 -0.16 -0.74
ONTARIO___LFGE 23819	14.23 -0.03 -1.08	14.05 -0.07 -0.95	13.94 -0.05 -0.83	13.91 -0.11 -0.87	13.91 -0.12 -0.89	17.98 0.02 -0.30	21.93 0.17 -0.49	23.47 0.05 -0.93	23.89 -0.09 -0.33	21.83 -0.04 0.00	21.18 -0.08 0.00	21.37 -0.09 0.00	19.43 -0.10 -0.42	20.02 -0.06 -0.47	19.91 -0.08 -0.64	20.30 -0.08 -0.95	20.15 -0.02 -1.40	22.55 -0.08 -1.79	24.45 -0.11 -2.58	25.81 0.00 -2.05	25.44 -0.02 -2.01	23.99 -0.02 -1.19	18.90 -0.05 -0.97	16.98 0.05 -0.98
ORANGEVILLE_WT_PWR 323706	14.17 -0.34 -1.34	13.94 -0.39 -1.18	13.82 -0.37 -1.03	13.78 -0.43 -1.07	13.77 -0.46 -1.10	17.54 -0.49 -0.37	21.49 -0.38 -0.61	22.93 -0.72 -1.16	23.14 -0.92 -0.41	21.26 -0.61 0.00	20.65 -0.62 0.00	20.79 -0.67 0.00	18.99 -0.63 -0.52	19.58 -0.61 -0.58	19.52 -0.62 -0.80	19.97 -0.64 -1.18	19.90 -0.60 -1.74	22.23 -0.83 -2.22	24.13 -1.05 -3.21	25.26 -1.05 -2.54	25.03 -0.91 -2.50	23.43 -0.87 -1.48	18.65 -0.54 -1.20	16.93 -0.24 -1.21
ORANGEVILLE___ESR 323794	14.17 -0.34 -1.34	13.94 -0.39 -1.18	13.82 -0.37 -1.03	13.78 -0.43 -1.07	13.77 -0.46 -1.10	17.54 -0.49 -0.37	21.49 -0.38 -0.61	22.93 -0.72 -1.16	23.14 -0.92 -0.41	21.26 -0.61 0.00	20.65 -0.62 0.00	20.79 -0.67 0.00	18.99 -0.63 -0.52	19.58 -0.61 -0.58	19.52 -0.62 -0.80	19.97 -0.64 -1.18	19.90 -0.60 -1.74	22.23 -0.83 -2.22	24.13 -1.05 -3.21	25.26 -1.05 -2.54	25.03 -0.91 -2.50	23.43 -0.87 -1.48	18.65 -0.54 -1.20	16.93 -0.24 -1.21
OSWEGATCHIE___HYD 24044	12.84 -0.55 -0.22	12.81 -0.55 -0.20	12.81 -0.53 -0.17	12.80 -0.53 -0.18	12.85 -0.47 -0.18	16.99 -0.72 -0.06	20.49 -0.87 -0.10	21.89 -0.79 -0.19	22.73 -0.99 -0.07	20.93 -0.94 0.00	20.33 -0.94 0.00	20.44 -1.01 0.00	18.31 -0.88 -0.09	18.76 -0.94 -0.10	18.55 -0.93 -0.13	18.69 -0.93 -0.20	18.18 -0.88 -0.29	20.42 -0.79 -0.37	21.81 -0.70 -0.54	23.48 -0.71 -0.42	23.16 -0.70 -0.42	22.34 -0.73 -0.25	17.52 -0.67 -0.20	15.57 -0.59 -0.20
OSWEGO___5 23606	13.43 -0.39 -0.66	13.32 -0.42 -0.58	13.26 -0.41 -0.50	13.22 -0.45 -0.52	13.23 -0.45 -0.54	17.31 -0.53 -0.18	20.99 -0.57 -0.30	22.40 -0.65 -0.56	23.12 -0.73 -0.20	21.19 -0.68 0.00	20.58 -0.68 0.00	20.79 -0.67 0.00	18.78 -0.57 -0.26	19.30 -0.59 -0.29	19.15 -0.58 -0.39	19.42 -0.58 -0.57	19.07 -0.54 -0.85	21.28 -0.65 -1.09	22.83 -0.70 -1.56	24.29 -0.71 -1.24	23.96 -0.70 -1.22	22.88 -0.66 -0.72	18.03 -0.54 -0.59	16.10 -0.45 -0.59
OSWEGO___6 23613	13.43 -0.39 -0.66	13.32 -0.42 -0.58	13.26 -0.41 -0.50	13.22 -0.45 -0.52	13.23 -0.45 -0.54	17.31 -0.53 -0.18	20.99 -0.57 -0.30	22.40 -0.65 -0.56	23.12 -0.73 -0.20	21.19 -0.68 0.00	20.58 -0.68 0.00	20.79 -0.67 0.00	18.78 -0.57 -0.26	19.30 -0.59 -0.29	19.15 -0.58 -0.39	19.42 -0.58 -0.57	19.07 -0.54 -0.85	21.28 -0.65 -1.09	22.83 -0.70 -1.56	24.29 -0.71 -1.24	23.96 -0.70 -1.22	22.88 -0.66 -0.72	18.03 -0.54 -0.59	16.10 -0.45 -0.59
OUTOKUMPU-AB___DRP 24206	13.78 -0.54 -1.14	13.56 -0.61 -1.01	13.41 -0.63 -0.88	13.40 -0.66 -0.91	13.41 -0.67 -0.94	17.18 -0.79 -0.32	21.02 -0.77 -0.52	22.23 -1.24 -0.97	22.53 -1.47 -0.34	20.74 -1.14 -0.01	20.12 -1.15 -0.01	20.26 -1.20 -0.01	18.57 -0.99 -0.46	19.14 -0.98 -0.52	19.04 -1.01 -0.71	19.44 -1.03 -1.04	19.28 -1.01 -1.52	21.45 -1.33 -1.94	23.13 -1.63 -2.78	24.25 -1.69 -2.18	24.06 -1.52 -2.14	22.69 -1.39 -1.26	18.15 -0.86 -1.03	16.54 -0.46 -1.04
OXBOW___ 24026	13.66 -0.66 -1.15	13.45 -0.72 -1.01	13.36 -0.68 -0.88	13.30 -0.76 -0.91	13.29 -0.79 -0.94	17.00 -0.97 -0.32	20.81 -0.98 -0.52	21.99 -1.48 -0.99	22.28 -1.73 -0.35	20.47 -1.40 0.00	19.86 -1.40 0.00	19.99 -1.46 0.00	18.37 -1.18 -0.45	18.91 -1.20 -0.50	18.83 -1.20 -0.68	19.19 -1.24 -1.01	19.07 -1.18 -1.49	21.18 -1.56 -1.90	22.85 -1.87 -2.75	24.02 -1.92 -2.18	23.80 -1.78 -2.14	22.47 -1.62 -1.26	17.97 -1.04 -1.03	16.39 -0.61 -1.04
OXY_CHEM_DSASP 323612	13.48 -0.83 -1.14	13.27 -0.90 -1.00	13.18 -0.86 -0.87	13.12 -0.93 -0.91	13.12 -0.95 -0.93	16.76 -1.22 -0.32	20.51 -1.28 -0.51	21.65 -1.82 -0.98	21.92 -2.08 -0.35	20.10 -1.77 0.00	19.50 -1.76 0.00	19.65 -1.80 0.00	18.08 -1.47 -0.45	18.61 -1.49 -0.50	18.53 -1.49 -0.68	18.89 -1.54 -1.00	18.80 -1.44 -1.48	20.88 -1.86 -1.89	22.52 -2.18 -2.72	23.64 -2.28 -2.16	23.44 -2.13 -2.12	22.14 -1.94 -1.25	17.71 -1.30 -1.02	16.18 -0.81 -1.03
OZONE_PARK_ESR 323760	21.26 0.99 -7.10	20.39 0.97 -6.25	19.58 0.96 -5.46	19.78 0.96 -5.67	19.90 0.93 -5.84	20.95 1.31 -1.99	25.99 1.51 -3.22	30.31 1.78 -6.04	27.89 2.11 -2.13	23.97 1.90 -0.20	23.36 1.89 -0.21	23.65 1.97 -0.22	24.03 1.81 -3.11	25.02 1.88 -3.53	25.97 1.88 -4.75	28.25 1.88 -6.93	30.52 1.71 -10.04	35.41 1.79 -12.77	42.01 2.02 -18.01	39.48 2.12 -13.60	38.86 2.04 -13.37	32.58 1.94 -7.82	25.76 1.40 -6.38	23.67 1.13 -6.58
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	13.47 -0.83 -1.13	13.26 -0.89 -0.99	13.11 -0.92 -0.87	13.11 -0.93 -0.90	13.11 -0.95 -0.93	16.75 -1.22 -0.31	20.50 -1.28 -0.51	21.63 -1.82 -0.96	21.94 -2.06 -0.34	20.11 -1.77 -0.01	19.51 -1.76 -0.01	19.64 -1.82 -0.01	18.10 -1.45 -0.46	18.64 -1.47 -0.51	18.55 -1.49 -0.69	18.93 -1.52 -1.02	18.82 -1.45 -1.50	20.90 -1.86 -1.91	22.54 -2.18 -2.74	23.63 -2.28 -2.14	23.42 -2.13 -2.11	22.12 -1.94 -1.24	17.70 -1.29 -1.01	16.15 -0.83 -1.03
PACKARD__115KV_DUPONT_184 80571	13.47 -0.83 -1.13	13.26 -0.89 -0.99	13.11 -0.92 -0.87	13.11 -0.93 -0.90	13.11 -0.95 -0.93	16.75 -1.22 -0.31	20.50 -1.28 -0.51	21.63 -1.82 -0.96	21.94 -2.06 -0.34	20.11 -1.77 -0.01	19.51 -1.76 -0.01	19.64 -1.82 -0.01	18.10 -1.45 -0.46	18.64 -1.47 -0.51	18.55 -1.49 -0.69	18.93 -1.52 -1.02	18.82 -1.45 -1.50	20.90 -1.86 -1.91	22.54 -2.18 -2.74	23.63 -2.28 -2.14	23.42 -2.13 -2.11	22.12 -1.94 -1.24	17.70 -1.29 -1.01	16.15 -0.83 -1.03
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	21.19 0.91 -7.10	20.30 0.88 -6.25	19.48 0.86 -5.46	19.67 0.85 -5.67	19.80 0.83 -5.84	20.70 1.06 -1.99	25.67 1.19 -3.22	29.97 1.44 -6.05	27.56 1.77 -2.13	23.64 1.57 -0.20	23.04 1.57 -0.21	23.33 1.65 -0.22	23.76 1.55 -3.11	24.76 1.63 -3.53	25.70 1.61 -4.75	27.97 1.61 -6.93	30.24 1.43 -10.04	35.08 1.46 -12.78	41.68 1.69 -18.01	39.12 1.76 -13.60	38.51 1.69 -13.37	32.24 1.60 -7.82	25.51 1.15 -6.38	23.45 0.91 -6.58



PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	21.28 1.00 -7.10	20.40 0.99 -6.25	19.61 0.99 -5.46	19.81 0.99 -5.67	19.93 0.96 -5.84	20.84 1.20 -1.99	25.74 1.25 -3.22	30.04 1.51 -6.05	27.60 1.82 -2.13	23.66 1.60 -0.20	23.04 1.57 -0.21	23.33 1.65 -0.22	23.76 1.55 -3.11	24.75 1.61 -3.53	25.68 1.59 -4.75	27.95 1.59 -6.93	30.24 1.43 -10.04	35.08 1.46 -12.78	41.66 1.67 -18.01	39.12 1.76 -13.60	38.51 1.69 -13.37	32.24 1.60 -7.82	25.51 1.15 -6.38	23.45 0.91 -6.58
PATROON__115KV_TB1 80586	22.83 0.25 -9.40	21.69 0.25 -8.28	20.63 0.24 -7.23	20.89 0.24 -7.51	21.12 0.26 -7.72	20.66 0.37 -2.63	26.04 0.51 -4.26	30.96 0.47 -8.00	27.08 0.62 -2.81	22.21 0.50 0.17	21.56 0.47 0.17	21.80 0.54 0.19	22.99 0.50 -3.40	23.85 0.51 -3.74	25.04 0.52 -5.17	27.64 0.52 -7.69	30.79 0.53 -11.49	36.20 0.58 -14.78	44.21 0.59 -21.65	42.14 0.67 -17.71	41.54 0.66 -17.44	33.79 0.62 -10.36	26.91 0.49 -8.44	24.69 0.34 -8.39
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	13.81 -0.61 -1.24	13.58 -0.67 -1.09	13.42 -0.70 -0.95	13.43 -0.71 -0.99	13.43 -0.72 -1.02	17.15 -0.85 -0.35	21.02 -0.81 -0.56	22.37 -1.17 -1.05	22.65 -1.37 -0.37	21.23 -0.66 -0.01	20.61 -0.66 -0.01	20.75 -0.71 -0.01	18.67 -0.94 -0.50	19.24 -0.92 -0.56	19.18 -0.93 -0.76	19.62 -0.93 -1.12	19.48 -0.94 -1.65	21.74 -1.21 -2.11	23.50 -1.49 -3.02	24.60 -1.52 -2.36	24.40 -1.36 -2.32	22.86 -1.32 -1.36	18.23 -0.86 -1.11	16.55 -0.54 -1.13
PAWLING_115_KV_BK3_REV_LBMP_H 345028	21.27 0.82 -7.28	20.37 0.79 -6.41	19.53 0.76 -5.60	19.75 0.79 -5.82	19.88 0.76 -5.98	20.79 1.09 -2.04	25.82 1.25 -3.30	30.08 1.39 -6.20	27.54 1.70 -2.18	23.55 1.49 -0.19	23.00 1.53 -0.20	23.24 1.57 -0.22	23.71 1.43 -3.18	24.72 1.51 -3.61	25.72 1.53 -4.85	28.06 1.55 -7.08	30.52 1.48 -10.26	35.51 1.60 -13.06	42.07 1.67 -18.43	39.46 1.76 -13.94	38.89 1.74 -13.71	32.44 1.60 -8.02	25.68 1.15 -6.54	23.62 0.93 -6.74
PEEKSKILL____ 23653	20.97 0.76 -7.03	20.11 0.75 -6.19	19.31 0.74 -5.41	19.51 0.75 -5.62	19.62 0.71 -5.78	20.65 1.02 -1.97	25.64 1.19 -3.19	29.81 1.35 -5.97	27.36 1.61 -2.10	23.51 1.44 -0.19	22.91 1.45 -0.20	23.17 1.50 -0.22	23.84 1.41 -3.33	24.85 1.47 -3.78	25.89 1.47 -5.07	28.31 1.48 -7.40	30.86 1.37 -10.72	35.94 1.46 -13.64	42.75 1.56 -19.21	39.90 1.64 -14.49	39.32 1.62 -14.25	32.66 1.51 -8.34	25.90 1.12 -6.80	23.93 0.96 -7.01
PGE MADISON__WINDPWR 24146	16.08 0.84 -2.06	15.81 0.83 -1.82	15.59 0.84 -1.59	15.57 0.78 -1.65	15.59 0.76 -1.69	19.54 1.31 -0.58	23.71 1.51 -0.93	27.59 2.61 -2.50	26.76 2.22 -0.88	23.67 1.79 0.00	22.67 1.40 0.00	22.65 1.20 0.00	21.12 0.90 -1.12	21.79 0.94 -1.25	21.88 0.83 -1.70	22.88 0.93 -2.51	23.54 1.07 -3.71	27.23 1.65 -4.75	31.17 2.35 -6.84	32.27 3.09 -5.42	31.76 2.98 -5.33	28.68 2.71 -3.15	22.40 1.85 -2.57	20.09 1.55 -2.59
PIERCEFIELD__HYD 23852	12.77 -0.51 -0.11	12.76 -0.50 -0.10	12.79 -0.46 -0.09	12.79 -0.45 -0.09	12.85 -0.38 -0.09	16.96 -0.72 -0.03	20.36 -0.96 -0.05	21.77 -0.81 -0.09	22.67 -1.02 -0.03	20.98 -0.90 0.00	20.39 -0.87 0.00	20.49 -0.97 0.00	18.32 -0.82 -0.04	18.71 -0.94 -0.05	18.50 -0.91 -0.07	18.62 -0.91 -0.10	18.01 -0.90 -0.15	20.24 -0.79 -0.19	21.50 -0.75 -0.27	23.15 -0.83 -0.21	22.83 -0.82 -0.21	22.10 -0.84 -0.12	17.37 -0.72 -0.10	15.57 -0.49 -0.10
PINELAWN_CC_1 323563	21.45 1.15 -7.13	21.82 1.14 -7.51	19.97 1.13 -5.68	19.97 1.13 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.33 1.83 -3.23	30.61 2.07 -6.06	28.13 2.34 -2.13	24.19 2.12 -0.20	23.47 2.00 -0.20	23.73 2.06 -0.22	24.39 1.93 -3.37	25.37 1.94 -3.82	34.16 1.99 -12.82	30.67 1.98 -9.26	31.85 1.82 -11.26	38.43 1.92 -15.67	45.61 2.00 -21.63	43.09 2.26 -17.06	45.04 2.20 -19.39	35.83 2.10 -10.91	29.23 1.71 -9.54	24.45 1.40 -7.09
PJM_GEN_HTP_PROXY 323702	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.69 0.85 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.84 1.34 -3.23	30.12 1.57 -6.05	27.65 1.87 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.43 1.76 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.16 1.76 -19.43	40.27 1.85 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
PJM_GEN_KEystone 24065	17.70 0.17 -4.35	17.14 0.15 -3.83	16.65 0.15 -3.35	16.75 0.13 -3.47	16.82 0.10 -3.58	19.09 0.21 -1.22	23.56 0.32 -1.97	26.47 0.27 -3.71	25.27 0.31 -1.30	22.35 0.37 -0.10	21.75 0.38 -0.11	21.95 0.39 -0.12	21.47 0.34 -2.02	22.26 0.37 -2.29	22.81 0.39 -3.08	24.30 0.37 -4.50	25.64 0.37 -6.54	29.43 0.37 -8.32	33.92 0.27 -11.75	32.92 0.24 -8.92	32.50 0.28 -8.77	28.19 0.23 -5.14	22.39 0.22 -4.19	20.55 0.29 -4.31
PJM_GEN_NEPTUNE_PROXY 323594	21.32 1.01 -7.13	21.14 1.01 -6.97	19.75 1.00 -5.59	19.84 1.00 -5.69	20.48 0.97 -6.38	21.12 1.36 -2.11	26.07 1.57 -3.23	30.34 1.80 -6.06	27.87 2.08 -2.13	23.97 1.90 -0.20	23.27 1.81 -0.20	23.54 1.87 -0.22	24.22 1.76 -3.37	25.19 1.77 -3.82	30.57 1.80 -9.42	29.69 1.79 -8.48	31.48 1.63 -11.08	37.41 1.73 -14.84	44.41 1.78 -20.66	41.76 2.00 -16.00	42.58 1.94 -17.19	34.48 1.85 -9.82	27.82 1.48 -8.36	24.26 1.21 -7.09
PJM_GEN_VFT_PROXY 323633	21.15 0.84 -7.13	20.28 0.84 -6.28	19.46 0.82 -5.48	19.68 0.84 -5.69	19.77 0.77 -5.86	20.78 1.13 -1.99	25.73 1.23 -3.23	30.05 1.51 -6.05	27.61 1.82 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.05 1.63 -3.82	26.08 1.60 -5.13	28.51 1.59 -7.49	31.04 1.43 -10.84	36.11 1.48 -13.79	43.05 1.65 -19.43	40.13 1.71 -14.65	39.52 1.66 -14.41	32.82 1.57 -8.43	26.01 1.15 -6.87	24.05 1.01 -7.09
PLATSBRG_115KV_PMLD1 355749	13.07 -0.16 -0.05	13.07 -0.13 -0.04	13.17 -0.03 -0.04	13.23 0.04 -0.04	13.35 0.17 -0.04	17.83 0.16 -0.01	21.57 0.28 -0.02	23.25 0.72 -0.04	24.33 0.66 -0.01	22.55 0.68 0.00	21.92 0.66 0.00	21.92 0.47 0.00	19.56 0.44 -0.02	19.90 0.27 -0.02	19.68 0.31 -0.03	19.76 0.29 -0.04	19.08 0.24 -0.06	21.40 0.48 -0.08	22.75 0.66 -0.12	24.50 0.64 -0.09	24.20 0.66 -0.09	23.52 0.64 -0.05	18.48 0.45 -0.04	16.47 0.46 -0.04
PLEASANTVLY__LBMP 24000	21.38 0.66 -7.54	20.45 0.64 -6.64	19.61 0.64 -5.80	19.82 0.64 -6.02	19.97 0.63 -6.20	20.65 0.88 -2.11	25.73 1.04 -3.42	30.06 1.15 -6.42	27.31 1.40 -2.26	23.31 1.22 -0.22	22.72 1.23 -0.22	22.96 1.27 -0.24	23.61 1.18 -3.32	24.61 1.24 -3.77	25.65 1.24 -5.06	28.06 1.24 -7.39	30.63 1.16 -10.70	35.68 1.23 -13.61	42.46 1.32 -19.17	39.62 1.40 -14.45	39.04 1.38 -14.21	32.43 1.30 -8.31	25.73 0.97 -6.77	23.70 0.75 -6.99
PLSNTVLE_13_KV_13.8KVDIST 80602	21.13 0.79 -7.17	20.25 0.78 -6.31	19.44 0.76 -5.51	19.65 0.78 -5.72	19.77 0.75 -5.89	20.70 1.04 -2.00	25.75 1.23 -3.25	29.99 1.39 -6.10	27.46 1.66 -2.15	23.56 1.49 -0.20	22.96 1.49 -0.21	23.22 1.54 -0.23	23.70 1.45 -3.15	24.68 1.51 -3.57	25.65 1.51 -4.80	27.96 1.53 -7.00	30.32 1.41 -10.14	35.24 1.50 -12.90	41.76 1.60 -18.18	39.20 1.71 -13.73	38.61 1.66 -13.50	32.29 1.57 -7.90	25.59 1.17 -6.44	23.52 0.93 -6.64



PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	21.13 0.79 -7.17	20.25 0.78 -6.31	19.44 0.76 -5.51	19.65 0.78 -5.72	19.77 0.75 -5.89	20.70 1.04 -2.00	25.75 1.23 -3.25	29.99 1.39 -6.10	27.46 1.66 -2.15	23.56 1.49 -0.20	22.96 1.49 -0.21	23.22 1.54 -0.23	23.70 1.45 -3.15	24.68 1.51 -3.57	25.65 1.51 -4.80	27.96 1.53 -7.00	30.32 1.41 -10.14	35.24 1.50 -12.90	41.76 1.60 -18.18	39.20 1.71 -13.73	38.61 1.66 -13.50	32.29 1.57 -7.90	25.59 1.17 -6.44	23.52 0.93 -6.64
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	21.46 0.75 -7.54	20.51 0.71 -6.64	19.67 0.71 -5.80	19.88 0.71 -6.02	20.05 0.72 -6.19	20.80 1.04 -2.11	25.89 1.21 -3.41	30.21 1.30 -6.42	27.45 1.54 -2.26	23.22 1.31 -0.04	22.64 1.34 -0.04	22.87 1.37 -0.04	23.39 1.28 -3.01	24.31 1.33 -3.37	25.27 1.33 -4.59	27.55 1.36 -6.76	29.98 1.28 -9.94	34.94 1.40 -12.70	41.66 1.45 -18.23	39.65 1.57 -14.32	39.08 1.55 -14.09	32.54 1.41 -8.30	25.83 1.08 -6.77	23.64 0.83 -6.85
POLETTI____ 23519	21.15 0.87 -7.10	20.27 0.86 -6.25	19.47 0.84 -5.46	19.67 0.85 -5.67	19.80 0.83 -5.84	20.79 1.15 -1.99	25.78 1.30 -3.22	30.06 1.53 -6.04	27.63 1.85 -2.12	23.73 1.66 -0.20	23.13 1.66 -0.21	23.41 1.74 -0.22	23.82 1.60 -3.11	24.78 1.65 -3.53	25.74 1.64 -4.75	28.01 1.65 -6.93	30.29 1.48 -10.04	35.16 1.54 -12.77	41.70 1.71 -18.01	39.14 1.78 -13.60	38.55 1.74 -13.37	32.31 1.67 -7.82	25.57 1.20 -6.38	23.51 0.97 -6.58
PORT_JEFF_3 23555	21.48 1.17 -7.13	21.87 1.20 -7.51	20.04 1.20 -5.68	20.04 1.20 -5.69	21.08 1.16 -6.78	21.46 1.61 -2.20	26.37 1.87 -3.23	30.68 2.14 -6.06	28.20 2.41 -2.13	24.28 2.21 -0.20	23.55 2.08 -0.20	23.82 2.14 -0.22	24.47 2.01 -3.37	25.44 2.02 -3.82	34.22 2.05 -12.82	30.75 2.06 -9.26	31.95 1.92 -11.26	38.53 2.02 -15.67	45.65 2.04 -21.63	43.16 2.33 -17.06	45.09 2.25 -19.39	35.93 2.19 -10.91	29.29 1.76 -9.54	24.49 1.44 -7.09
PORT_JEFF_4 23616	21.48 1.17 -7.13	21.87 1.20 -7.51	20.04 1.20 -5.68	20.04 1.20 -5.69	21.08 1.16 -6.78	21.46 1.61 -2.20	26.37 1.87 -3.23	30.68 2.14 -6.06	28.20 2.41 -2.13	24.28 2.21 -0.20	23.55 2.08 -0.20	23.82 2.14 -0.22	24.47 2.01 -3.37	25.44 2.02 -3.82	34.22 2.05 -12.82	30.75 2.06 -9.26	31.95 1.92 -11.26	38.53 2.02 -15.67	45.65 2.04 -21.63	43.16 2.33 -17.06	45.09 2.25 -19.39	35.93 2.19 -10.91	29.29 1.76 -9.54	24.49 1.44 -7.09
PORT_JEFF_IC 23713	21.49 1.19 -7.13	21.88 1.21 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.09 1.17 -6.78	21.47 1.62 -2.20	26.39 1.89 -3.23	30.70 2.16 -6.06	28.22 2.44 -2.13	24.30 2.23 -0.20	23.57 2.11 -0.20	23.84 2.17 -0.22	24.51 2.04 -3.37	25.48 2.06 -3.82	34.26 2.09 -12.82	30.79 2.10 -9.26	32.00 1.97 -11.26	38.59 2.08 -15.67	45.65 2.04 -21.63	43.16 2.33 -17.06	45.11 2.27 -19.39	35.97 2.24 -10.91	29.32 1.80 -9.54	24.50 1.45 -7.09
PPL PILGRIM_ST_GT1 24216	21.52 1.21 -7.13	21.88 1.21 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.09 1.17 -6.78	21.47 1.62 -2.20	26.41 1.91 -3.23	30.70 2.16 -6.06	28.22 2.44 -2.13	24.28 2.21 -0.20	23.55 2.08 -0.20	23.82 2.14 -0.22	24.47 2.01 -3.37	25.44 2.02 -3.82	34.22 2.05 -12.82	30.73 2.04 -9.26	31.89 1.86 -11.26	38.41 1.90 -15.67	45.56 1.96 -21.63	43.09 2.26 -17.06	45.00 2.16 -19.39	35.90 2.17 -10.91	29.29 1.76 -9.54	24.49 1.44 -7.09
PPL PILGRIM_ST_GT2 24217	21.52 1.21 -7.13	21.88 1.21 -7.51	20.05 1.21 -5.68	20.04 1.20 -5.69	21.09 1.17 -6.78	21.47 1.62 -2.20	26.41 1.91 -3.23	30.70 2.16 -6.06	28.22 2.44 -2.13	24.28 2.21 -0.20	23.55 2.08 -0.20	23.82 2.14 -0.22	24.47 2.01 -3.37	25.44 2.02 -3.82	34.22 2.05 -12.82	30.73 2.04 -9.26	31.89 1.86 -11.26	38.41 1.90 -15.67	45.56 1.96 -21.63	43.09 2.26 -17.06	45.00 2.16 -19.39	35.90 2.17 -10.91	29.29 1.76 -9.54	24.49 1.44 -7.09
PPL_SHRM_GT3 24213	21.37 1.07 -7.13	21.82 1.14 -7.51	20.00 1.16 -5.68	20.00 1.16 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.13 1.64 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.32 1.85 -0.20	23.56 1.89 -0.22	24.26 1.79 -3.37	25.23 1.80 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.79 1.76 -11.26	38.39 1.88 -15.67	45.52 1.91 -21.63	43.04 2.21 -17.06	44.97 2.13 -19.39	35.74 2.01 -10.91	29.12 1.60 -9.54	24.31 1.26 -7.09
PPL_SHRM_GT4 24214	21.37 1.07 -7.13	21.82 1.14 -7.51	20.00 1.16 -5.68	20.00 1.16 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.13 1.64 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.32 1.85 -0.20	23.56 1.89 -0.22	24.26 1.79 -3.37	25.23 1.80 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.79 1.76 -11.26	38.39 1.88 -15.67	45.52 1.91 -21.63	43.04 2.21 -17.06	44.97 2.13 -19.39	35.74 2.01 -10.91	29.12 1.60 -9.54	24.31 1.26 -7.09
PROJECT____ORANGE 1 24174	13.70 -0.21 -0.74	13.57 -0.24 -0.65	13.48 -0.25 -0.57	13.47 -0.26 -0.59	13.48 -0.26 -0.61	17.60 -0.26 -0.21	21.37 -0.23 -0.33	22.82 -0.29 -0.63	23.52 -0.35 -0.22	21.57 -0.31 -0.01	20.97 -0.30 -0.01	21.18 -0.28 -0.01	19.15 -0.25 -0.30	19.70 -0.24 -0.33	19.57 -0.23 -0.45	19.86 -0.23 -0.67	19.54 -0.21 -0.98	21.80 -0.29 -1.25	23.44 -0.33 -1.79	24.88 -0.29 -1.40	24.52 -0.30 -1.38	23.38 -0.25 -0.81	18.41 -0.23 -0.66	16.42 -0.21 -0.67
PROJECT____ORANGE 2 24166	13.70 -0.21 -0.74	13.57 -0.24 -0.65	13.48 -0.25 -0.57	13.47 -0.26 -0.59	13.48 -0.26 -0.61	17.60 -0.26 -0.21	21.37 -0.23 -0.33	22.82 -0.29 -0.63	23.52 -0.35 -0.22	21.57 -0.31 -0.01	20.97 -0.30 -0.01	21.18 -0.28 -0.01	19.15 -0.25 -0.30	19.70 -0.24 -0.33	19.57 -0.23 -0.45	19.86 -0.23 -0.67	19.54 -0.21 -0.98	21.80 -0.29 -1.25	23.44 -0.33 -1.79	24.88 -0.29 -1.40	24.52 -0.30 -1.38	23.38 -0.25 -0.81	18.41 -0.23 -0.66	16.42 -0.21 -0.67
PUCKETT____SOLAR 323809	15.67 0.26 -2.23	15.37 0.24 -1.97	15.13 0.25 -1.72	15.14 0.21 -1.78	15.17 0.20 -1.83	18.69 0.41 -0.62	22.83 0.55 -1.01	25.22 0.61 -2.12	24.88 0.47 -0.75	22.29 0.41 0.00	21.56 0.30 0.00	21.71 0.26 0.00	20.19 0.13 -0.96	20.85 0.18 -1.07	20.96 0.15 -1.46	21.77 0.19 -2.15	22.18 0.24 -3.17	25.24 0.33 -4.06	28.27 0.44 -5.85	29.07 0.66 -4.64	28.67 0.66 -4.56	26.13 0.62 -2.69	20.61 0.43 -2.20	18.57 0.40 -2.22
PYRITES____HYD 24023	13.03 -0.25 -0.10	13.03 -0.22 -0.09	13.06 -0.18 -0.08	13.06 -0.17 -0.08	13.12 -0.11 -0.09	17.38 -0.30 -0.03	20.78 -0.53 -0.05	22.22 -0.36 -0.09	23.12 -0.57 -0.03	21.39 -0.48 0.00	20.80 -0.47 0.00	20.87 -0.58 0.00	18.66 -0.48 -0.04	19.08 -0.57 -0.05	18.87 -0.54 -0.06	18.94 -0.58 -0.09	18.34 -0.56 -0.14	20.62 -0.40 -0.18	21.90 -0.33 -0.25	23.58 -0.38 -0.20	23.27 -0.38 -0.19	22.53 -0.41 -0.11	17.70 -0.38 -0.09	15.85 -0.21 -0.09
QUAKERRD_115KV_BK1 80622	13.51 -0.55 -0.88	13.35 -0.59 -0.78	13.22 -0.62 -0.68	13.22 -0.63 -0.71	13.22 -0.64 -0.73	17.14 -0.76 -0.25	20.90 -0.77 -0.40	22.23 -1.01 -0.75	22.74 -1.18 -0.26	20.76 -1.12 -0.01	20.16 -1.11 -0.01	20.34 -1.12 -0.01	18.60 -0.86 -0.36	19.14 -0.86 -0.40	19.00 -0.89 -0.54	19.34 -0.89 -0.80	19.10 -0.84 -1.18	21.32 -1.02 -1.50	22.96 -1.16 -2.15	24.26 -1.19 -1.68	23.95 -1.15 -1.65	22.70 -1.10 -0.97	17.95 -0.83 -0.79	16.19 -0.57 -0.81



QUENSBRY_I15KV_TB8 356137	23.56 0.53 -9.85	22.35 0.51 -8.68	21.21 0.47 -7.58	21.50 0.49 -7.87	21.73 0.50 -8.10	21.15 0.74 -2.76	26.90 1.17 -4.46	32.09 1.21 -8.39	27.91 1.30 -2.95	22.81 1.09 0.15	22.08 0.98 0.16	22.33 1.05 0.17	23.59 0.90 -3.59	24.50 0.94 -3.96	25.30 0.48 -5.47	28.08 0.52 -8.13	31.54 0.64 -12.13	37.20 0.77 -15.59	45.51 0.75 -22.79	43.30 0.95 -18.58	42.75 1.01 -18.29	34.61 0.94 -10.85	27.89 1.06 -8.85	25.60 0.83 -8.81
RAMAPO____LBMP 323565	20.65 0.75 -6.72	19.81 0.72 -5.92	19.04 0.71 -5.17	19.24 0.72 -5.37	19.37 0.71 -5.52	20.54 1.01 -1.88	25.48 1.17 -3.04	29.54 1.33 -5.72	27.23 1.56 -2.01	23.45 1.40 -0.18	22.85 1.40 -0.19	23.12 1.46 -0.21	23.42 1.38 -2.94	24.37 1.43 -3.33	25.26 1.43 -4.48	27.41 1.44 -6.54	29.59 1.33 -9.49	34.33 1.42 -12.07	40.51 1.52 -17.02	38.25 1.62 -12.87	37.70 1.59 -12.66	31.69 1.46 -7.41	25.12 1.10 -6.04	23.04 0.86 -6.22
RANKINE____ 23646	13.89 -0.49 -1.20	13.68 -0.54 -1.06	13.52 -0.57 -0.92	13.53 -0.58 -0.96	13.52 -0.60 -0.99	17.30 -0.69 -0.34	21.19 -0.62 -0.54	22.48 -1.03 -1.02	22.76 -1.25 -0.36	21.07 -0.81 -0.01	20.44 -0.83 -0.01	20.58 -0.88 -0.01	18.77 -0.82 -0.49	19.35 -0.80 -0.55	19.25 -0.83 -0.74	19.68 -0.84 -1.09	19.54 -0.83 -1.60	21.76 -1.13 -2.04	23.52 -1.38 -2.93	24.63 -1.43 -2.29	24.43 -1.27 -2.25	22.96 -1.19 -1.32	18.35 -0.72 -1.08	16.67 -0.38 -1.10
RAVENSWOOD_GT2_1 24244	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.09 1.67 -3.82	26.14 1.66 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.09 1.24 -6.87	24.12 1.07 -7.09
RAVENSWOOD_GT2_2 24245	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.09 1.67 -3.82	26.14 1.66 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.09 1.24 -6.87	24.12 1.07 -7.09
RAVENSWOOD_GT2_3 24246	21.19 0.88 -7.13	20.31 0.87 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.65 1.87 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.16 1.76 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
RAVENSWOOD_GT2_4 24247	21.19 0.88 -7.13	20.31 0.87 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.65 1.87 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.16 1.76 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
RAVENSWOOD_GT3_1 24248	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.12 1.07 -7.09
RAVENSWOOD_GT3_2 24249	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.12 1.07 -7.09
RAVENSWOOD_GT3_3 24250	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.82 0.83 -5.86	20.81 1.16 -1.99	25.84 1.34 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.43 1.76 -0.22	24.11 1.64 -3.36	25.13 1.70 -3.82	26.16 1.68 -5.13	28.61 1.69 -7.49	31.15 1.54 -10.84	36.24 1.61 -13.79	43.18 1.78 -19.43	40.27 1.85 -14.65	39.66 1.81 -14.41	32.96 1.71 -8.43	26.11 1.26 -6.87	24.15 1.10 -7.09
RAVENSWOOD_GT3_4 24251	21.19 0.88 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.82 0.83 -5.86	20.81 1.16 -1.99	25.84 1.34 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.78 1.71 -0.20	23.17 1.70 -0.20	23.43 1.76 -0.22	24.11 1.64 -3.36	25.13 1.70 -3.82	26.16 1.68 -5.13	28.61 1.69 -7.49	31.15 1.54 -10.84	36.24 1.61 -13.79	43.18 1.78 -19.43	40.27 1.85 -14.65	39.66 1.81 -14.41	32.96 1.71 -8.43	26.11 1.26 -6.87	24.15 1.10 -7.09
RAVENSWOOD_GT_1 23729	21.21 0.91 -7.13	20.32 0.88 -6.28	19.51 0.87 -5.48	19.71 0.87 -5.69	19.82 0.83 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.12 1.57 -6.05	27.68 1.89 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.45 1.78 -0.22	24.11 1.64 -3.36	25.15 1.73 -3.82	26.18 1.70 -5.13	28.63 1.71 -7.49	31.13 1.52 -10.84	36.20 1.56 -13.79	43.18 1.78 -19.43	40.27 1.85 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.15 1.10 -7.09
RAVENSWOOD_GT_10 24258	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.12 1.07 -7.09
RAVENSWOOD_GT_11 24259	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.12 1.07 -7.09
RAVENSWOOD_GT_4 24252	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.65 1.87 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09



RAVENSWOOD_GT_5 24254	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.65 1.87 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
RAVENSWOOD_GT_6 24253	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.65 1.87 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
RAVENSWOOD_GT_7 24255	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.81 1.16 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.65 1.87 -2.13	23.75 1.68 -0.20	23.15 1.68 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.13 1.52 -10.84	36.22 1.58 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.12 1.07 -7.09
RAVENSWOOD_GT_9 24257	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.07 1.60 -3.36	25.09 1.67 -3.82	26.12 1.64 -5.13	28.57 1.65 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.12 1.07 -7.09
RAVENSWOOD___1 23533	21.20 0.90 -7.13	20.32 0.88 -6.28	19.50 0.86 -5.48	19.71 0.87 -5.69	19.81 0.81 -5.86	20.78 1.13 -1.99	25.79 1.30 -3.23	30.09 1.55 -6.05	27.65 1.87 -2.13	23.73 1.66 -0.20	23.15 1.68 -0.20	23.43 1.76 -0.22	24.11 1.64 -3.36	25.13 1.70 -3.82	26.16 1.68 -5.13	28.61 1.69 -7.49	31.13 1.52 -10.84	36.20 1.56 -13.79	43.18 1.78 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.94 1.69 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
RAVENSWOOD___2 23534	21.20 0.90 -7.13	20.31 0.87 -6.28	19.50 0.86 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.78 1.13 -1.99	25.79 1.30 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.13 1.70 -3.82	26.16 1.68 -5.13	28.61 1.69 -7.49	31.11 1.50 -10.84	36.18 1.54 -13.79	43.16 1.76 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.13 1.09 -7.09
RAVENSWOOD___3 23535	21.17 0.87 -7.13	20.30 0.86 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.80 1.15 -1.99	25.82 1.32 -3.23	30.09 1.55 -6.05	27.63 1.85 -2.13	23.73 1.66 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.09 1.67 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.20 1.56 -13.79	43.14 1.74 -19.43	40.25 1.83 -14.65	39.64 1.78 -14.41	32.91 1.67 -8.43	26.09 1.24 -6.87	24.13 1.09 -7.09
RAVENSWOOD___4 23820	21.19 0.88 -7.13	20.31 0.87 -6.28	19.49 0.84 -5.48	19.70 0.85 -5.69	19.81 0.81 -5.86	20.78 1.13 -1.99	25.77 1.28 -3.23	30.07 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.20	23.41 1.74 -0.22	24.09 1.62 -3.36	25.11 1.69 -3.82	26.14 1.66 -5.13	28.59 1.67 -7.49	31.11 1.50 -10.84	36.18 1.54 -13.79	43.16 1.76 -19.43	40.25 1.83 -14.65	39.62 1.76 -14.41	32.91 1.67 -8.43	26.08 1.22 -6.87	24.13 1.09 -7.09
RCPL_TRUST___DRP 24196	21.18 0.91 -7.10	20.31 0.89 -6.25	19.50 0.88 -5.46	19.70 0.88 -5.67	19.84 0.87 -5.83	20.84 1.20 -1.99	25.89 1.40 -3.22	30.15 1.62 -6.04	27.72 1.94 -2.12	23.82 1.75 -0.20	23.21 1.74 -0.21	23.48 1.80 -0.22	23.90 1.68 -3.11	24.86 1.73 -3.53	25.81 1.72 -4.75	28.09 1.73 -6.93	30.39 1.58 -10.04	35.26 1.65 -12.77	41.81 1.82 -18.01	39.26 1.90 -13.59	38.67 1.85 -13.37	32.40 1.76 -7.82	25.64 1.28 -6.38	23.57 1.04 -6.58
RED___ROCHESTER 323720	13.89 -0.22 -0.94	13.70 -0.29 -0.83	13.62 -0.26 -0.72	13.55 -0.34 -0.75	13.55 -0.35 -0.77	17.56 -0.35 -0.26	21.50 -0.19 -0.42	22.82 -0.47 -0.81	23.30 -0.64 -0.28	21.30 -0.57 0.00	20.65 -0.62 0.00	20.83 -0.62 0.00	19.06 -0.40 -0.37	19.62 -0.39 -0.41	19.48 -0.43 -0.56	19.81 -0.45 -0.82	19.59 -0.40 -1.21	21.81 -0.58 -1.55	23.51 -0.70 -2.24	24.87 -0.67 -1.77	24.58 -0.61 -1.74	23.28 -0.57 -1.03	18.39 -0.43 -0.84	16.66 -0.14 -0.85
REGAN___SOLAR 323812	25.49 1.16 -11.16	24.12 1.13 -9.83	22.83 1.09 -8.58	23.15 1.09 -8.91	23.42 1.12 -9.17	22.38 1.61 -3.12	28.13 1.81 -5.05	33.87 1.87 -9.52	28.94 1.94 -3.35	23.21 1.49 0.15	22.51 1.40 0.15	22.66 1.37 0.17	24.50 1.18 -4.21	25.51 1.26 -4.66	27.00 1.24 -6.42	30.26 1.32 -9.51	34.34 1.41 -14.17	40.78 1.75 -18.18	50.41 1.93 -26.50	47.54 2.30 -21.47	46.90 2.32 -21.13	37.59 2.24 -12.53	29.82 1.62 -10.21	27.51 1.36 -10.20
RENSSELAER___COGEN 23796	22.68 0.21 -9.29	21.55 0.21 -8.18	20.52 0.21 -7.15	20.77 0.20 -7.42	20.98 0.21 -7.63	20.57 0.32 -2.60	25.90 0.43 -4.21	30.78 0.38 -7.90	26.95 0.52 -2.78	22.11 0.44 0.20	21.45 0.40 0.21	21.69 0.47 0.23	22.95 0.44 -3.41	23.79 0.45 -3.74	24.99 0.46 -5.19	27.60 0.45 -7.72	30.77 0.43 -11.57	36.22 0.50 -14.88	44.33 0.51 -21.85	42.28 0.55 -17.97	41.68 0.54 -17.69	33.86 0.53 -10.51	26.97 0.41 -8.57	24.75 0.29 -8.50
REPUBLIC_115KV_BARTNBRK 55605	24.08 1.07 -9.84	22.87 1.04 -8.67	21.72 0.99 -7.57	22.01 1.00 -7.86	22.26 1.04 -8.09	21.91 1.50 -2.75	27.87 2.15 -4.46	33.16 2.29 -8.38	28.99 2.39 -2.95	23.79 2.08 0.16	22.97 1.87 0.16	23.25 1.97 0.18	24.27 1.59 -3.59	25.20 1.65 -3.95	26.02 1.22 -5.46	28.94 1.40 -8.11	32.45 1.58 -12.11	38.26 1.86 -15.56	46.51 1.78 -22.75	44.49 2.16 -18.56	44.13 2.41 -18.27	35.88 2.21 -10.84	28.75 1.92 -8.84	26.32 1.56 -8.80
REVERE_CPPR_DRP 24186	13.73 0.18 -0.37	13.67 0.18 -0.33	13.63 0.18 -0.29	13.60 0.16 -0.30	13.60 0.16 -0.30	18.09 0.34 -0.10	21.78 0.34 -0.17	23.21 0.40 -0.32	24.05 0.28 -0.11	22.07 0.20 0.00	21.41 0.15 0.00	21.58 0.13 0.00	19.36 0.11 -0.15	19.93 0.16 -0.17	19.71 0.14 -0.23	19.92 0.16 -0.34	19.47 0.21 -0.49	21.81 0.33 -0.63	23.34 0.46 -0.90	25.11 0.64 -0.71	24.73 0.59 -0.69	23.73 0.50 -0.41	18.61 0.29 -0.33	16.52 0.22 -0.34



REYNOLDS_115KV_TB3 80639	22.77 0.32 -9.28	21.65 0.32 -8.17	20.61 0.32 -7.13	20.87 0.32 -7.41	21.07 0.32 -7.62	20.71 0.46 -2.59	26.08 0.62 -4.20	30.97 0.58 -7.90	27.17 0.73 -2.78	22.28 0.61 0.20	21.65 0.60 0.21	21.87 0.64 0.23	22.98 0.59 -3.29	23.82 0.61 -3.61	24.97 0.62 -5.01	27.49 0.60 -7.46	30.56 0.60 -11.19	35.93 0.69 -14.40	43.85 0.70 -21.17	41.98 0.76 -17.45	41.38 0.75 -17.18	33.77 0.73 -10.22	26.89 0.58 -8.33	24.61 0.40 -8.25
RIVERBAY____ 323610	21.28 1.00 -7.10	20.40 0.99 -6.25	19.61 0.99 -5.46	19.81 0.99 -5.67	19.93 0.96 -5.84	20.84 1.20 -1.99	25.74 1.25 -3.22	30.04 1.51 -6.05	27.60 1.82 -2.13	23.66 1.60 -0.20	23.04 1.57 -0.21	23.33 1.65 -0.22	23.76 1.55 -3.11	24.75 1.61 -3.53	25.68 1.59 -4.75	27.95 1.59 -6.93	30.24 1.43 -10.04	35.08 1.46 -12.78	41.66 1.67 -18.01	39.12 1.76 -13.60	38.51 1.69 -13.37	32.24 1.60 -7.82	25.51 1.15 -6.38	23.45 0.91 -6.58
RIVERSDE_115KV_TB3 55908	22.72 0.25 -9.30	21.60 0.25 -8.19	20.56 0.25 -7.15	20.82 0.25 -7.42	21.04 0.26 -7.64	20.63 0.37 -2.60	25.99 0.51 -4.21	30.87 0.47 -7.91	27.05 0.62 -2.78	22.19 0.50 0.18	21.56 0.49 0.19	21.80 0.56 0.21	22.94 0.52 -3.32	23.78 0.53 -3.65	24.93 0.52 -5.06	27.48 0.52 -7.53	30.58 0.53 -11.28	35.94 0.58 -14.51	43.87 0.59 -21.30	41.91 0.64 -17.50	41.33 0.66 -17.23	33.68 0.62 -10.24	26.82 0.49 -8.35	24.58 0.34 -8.28
ROARING____BROOK_WT_PWR 323790	13.00 -0.17 0.00	12.98 -0.18 0.00	12.95 -0.21 0.00	12.92 -0.22 0.00	12.92 -0.21 0.00	17.34 -0.32 0.00	20.86 -0.40 0.00	22.13 -0.36 0.00	23.28 -0.38 0.00	21.54 -0.33 0.00	20.92 -0.34 0.00	21.04 -0.41 0.00	18.76 -0.34 0.00	19.21 -0.39 0.00	18.96 -0.39 0.00	19.04 -0.39 0.00	18.37 -0.40 0.00	20.45 -0.40 0.00	21.60 -0.37 0.00	23.34 -0.43 0.00	23.03 -0.42 0.00	22.43 -0.39 0.00	17.70 -0.29 0.00	15.74 -0.22 0.00
ROCHESRG_115KV_T4 355643	13.76 -0.34 -0.93	13.59 -0.39 -0.82	13.46 -0.42 -0.71	13.46 -0.43 -0.74	13.45 -0.45 -0.76	17.42 -0.49 -0.26	21.28 -0.40 -0.42	22.58 -0.70 -0.79	23.06 -0.88 -0.28	21.07 -0.81 -0.01	20.44 -0.83 -0.01	20.62 -0.84 -0.01	18.88 -0.59 -0.38	19.44 -0.59 -0.42	19.30 -0.62 -0.57	19.63 -0.64 -0.84	19.42 -0.58 -1.24	21.65 -0.77 -1.58	23.31 -0.92 -2.26	24.61 -0.93 -1.77	24.32 -0.87 -1.74	23.05 -0.80 -1.02	18.24 -0.58 -0.83	16.50 -0.30 -0.85
ROCHESTER_9_IC 23652	13.83 -0.28 -0.94	13.64 -0.34 -0.82	13.53 -0.36 -0.72	13.51 -0.38 -0.75	13.51 -0.39 -0.77	17.49 -0.42 -0.26	21.39 -0.30 -0.42	22.70 -0.58 -0.80	23.20 -0.73 -0.28	21.20 -0.68 -0.01	20.55 -0.72 -0.01	20.73 -0.73 -0.01	19.00 -0.48 -0.38	19.56 -0.47 -0.42	19.40 -0.52 -0.58	19.73 -0.54 -0.85	19.52 -0.49 -1.24	21.76 -0.67 -1.59	23.44 -0.81 -2.28	24.76 -0.78 -1.78	24.47 -0.73 -1.75	23.17 -0.68 -1.03	18.32 -0.50 -0.84	16.59 -0.22 -0.85
ROCKVIEW_13_KV_LD 356306	21.13 0.86 -7.10	20.24 0.83 -6.25	19.44 0.82 -5.46	19.65 0.83 -5.67	19.77 0.80 -5.83	20.77 1.13 -1.99	25.80 1.32 -3.22	30.04 1.51 -6.04	27.58 1.80 -2.12	23.71 1.64 -0.20	23.11 1.64 -0.21	23.37 1.69 -0.22	23.78 1.57 -3.11	24.76 1.63 -3.53	25.74 1.64 -4.75	28.01 1.65 -6.93	30.33 1.52 -10.04	35.22 1.60 -12.77	41.72 1.74 -18.01	39.21 1.85 -13.59	38.62 1.81 -13.37	32.35 1.71 -7.82	25.62 1.26 -6.38	23.54 1.01 -6.57
ROME____115KV_TB2 80656	13.73 0.18 -0.37	13.67 0.18 -0.33	13.63 0.18 -0.29	13.60 0.16 -0.30	13.60 0.16 -0.30	18.09 0.34 -0.10	21.78 0.34 -0.17	23.21 0.40 -0.32	24.05 0.28 -0.11	22.07 0.20 0.00	21.41 0.15 0.00	21.58 0.13 0.00	19.36 0.11 -0.15	19.93 0.16 -0.17	19.71 0.14 -0.23	19.92 0.16 -0.34	19.47 0.21 -0.49	21.81 0.33 -0.63	23.34 0.46 -0.90	25.11 0.64 -0.71	24.73 0.59 -0.69	23.73 0.50 -0.41	18.61 0.29 -0.33	16.52 0.22 -0.34
ROSETON____1 23587	20.89 0.68 -7.03	20.02 0.67 -6.19	19.24 0.67 -5.41	19.43 0.67 -5.61	19.55 0.64 -5.78	20.54 0.92 -1.97	25.53 1.08 -3.18	29.65 1.19 -5.97	27.20 1.44 -2.10	23.33 1.27 -0.19	22.74 1.28 -0.20	23.00 1.33 -0.22	23.67 1.24 -3.33	24.67 1.29 -3.78	25.71 1.30 -5.07	28.14 1.30 -7.40	30.71 1.22 -10.73	35.78 1.29 -13.64	42.58 1.39 -19.22	39.74 1.47 -14.50	39.16 1.45 -14.26	32.51 1.35 -8.34	25.81 1.02 -6.80	23.83 0.86 -7.01
ROSETON____2 23588	20.89 0.68 -7.03	20.02 0.67 -6.19	19.24 0.67 -5.41	19.43 0.67 -5.61	19.55 0.64 -5.78	20.54 0.92 -1.97	25.53 1.08 -3.18	29.65 1.19 -5.97	27.20 1.44 -2.10	23.33 1.27 -0.19	22.74 1.28 -0.20	23.00 1.33 -0.22	23.67 1.24 -3.33	24.67 1.29 -3.78	25.71 1.30 -5.07	28.14 1.30 -7.40	30.71 1.22 -10.73	35.78 1.29 -13.64	42.58 1.39 -19.22	39.74 1.47 -14.50	39.16 1.45 -14.26	32.51 1.35 -8.34	25.81 1.02 -6.80	23.83 0.86 -7.01
ROTTSDAM_115KV_TB3 80664	23.65 0.45 -10.03	22.44 0.45 -8.84	21.31 0.43 -7.71	21.59 0.43 -8.01	21.81 0.43 -8.24	21.06 0.60 -2.81	26.60 0.79 -4.54	31.82 0.79 -8.54	27.56 0.90 -3.00	22.53 0.77 0.11	21.88 0.72 0.11	22.10 0.77 0.12	23.54 0.69 -3.75	24.47 0.73 -4.15	25.73 0.68 -5.71	28.56 0.68 -8.45	32.03 0.69 -12.57	37.76 0.79 -16.13	46.26 0.81 -23.47	43.64 0.93 -18.95	43.01 0.91 -18.65	34.76 0.89 -11.05	27.71 0.72 -9.01	25.54 0.57 -9.01
RUSSELL____1 23602	13.89 -0.22 -0.94	13.70 -0.29 -0.82	13.57 -0.32 -0.72	13.55 -0.34 -0.75	13.55 -0.35 -0.77	17.56 -0.35 -0.26	21.50 -0.19 -0.42	22.81 -0.47 -0.80	23.32 -0.62 -0.28	21.31 -0.57 -0.01	20.65 -0.62 -0.01	20.84 -0.62 -0.01	19.10 -0.38 -0.38	19.65 -0.37 -0.42	19.50 -0.43 -0.58	19.83 -0.45 -0.85	19.62 -0.39 -1.24	21.87 -0.56 -1.59	23.55 -0.70 -2.28	24.88 -0.67 -1.78	24.59 -0.61 -1.75	23.28 -0.57 -1.03	18.39 -0.43 -0.84	16.67 -0.14 -0.85
RUSSELL____2 23532	13.89 -0.22 -0.94	13.70 -0.29 -0.82	13.57 -0.32 -0.72	13.55 -0.34 -0.75	13.55 -0.35 -0.77	17.56 -0.35 -0.26	21.50 -0.19 -0.42	22.81 -0.47 -0.80	23.32 -0.62 -0.28	21.31 -0.57 -0.01	20.65 -0.62 -0.01	20.84 -0.62 -0.01	19.10 -0.38 -0.38	19.65 -0.37 -0.42	19.50 -0.43 -0.58	19.83 -0.45 -0.85	19.62 -0.39 -1.24	21.87 -0.56 -1.59	23.55 -0.70 -2.28	24.88 -0.67 -1.78	24.59 -0.61 -1.75	23.28 -0.57 -1.03	18.39 -0.43 -0.84	16.67 -0.14 -0.85
RUSSELL____3 23549	13.89 -0.22 -0.94	13.70 -0.29 -0.82	13.57 -0.32 -0.72	13.55 -0.34 -0.75	13.55 -0.35 -0.77	17.56 -0.35 -0.26	21.50 -0.19 -0.42	22.81 -0.47 -0.80	23.32 -0.62 -0.28	21.31 -0.57 -0.01	20.65 -0.62 -0.01	20.84 -0.62 -0.01	19.10 -0.38 -0.38	19.65 -0.37 -0.42	19.50 -0.43 -0.58	19.83 -0.45 -0.85	19.62 -0.39 -1.24	21.87 -0.56 -1.59	23.55 -0.70 -2.28	24.88 -0.67 -1.78	24.59 -0.61 -1.75	23.28 -0.57 -1.03	18.39 -0.43 -0.84	16.67 -0.14 -0.85
RUSSELL____4 23556	13.89 -0.22 -0.94	13.70 -0.29 -0.82	13.57 -0.32 -0.72	13.55 -0.34 -0.75	13.55 -0.35 -0.77	17.56 -0.35 -0.26	21.50 -0.19 -0.42	22.81 -0.47 -0.80	23.32 -0.62 -0.28	21.31 -0.57 -0.01	20.65 -0.62 -0.01	20.84 -0.62 -0.01	19.10 -0.38 -0.38	19.65 -0.37 -0.42	19.50 -0.43 -0.58	19.83 -0.45 -0.85	19.62 -0.39 -1.24	21.87 -0.56 -1.59	23.55 -0.70 -2.28	24.88 -0.67 -1.78	24.59 -0.61 -1.75	23.28 -0.57 -1.03	18.39 -0.43 -0.84	16.67 -0.14 -0.85



RUSSELL___STATION 23914	13.89 -0.22 -0.94	13.70 -0.29 -0.82	13.57 -0.32 -0.72	13.55 -0.34 -0.75	13.55 -0.35 -0.77	17.56 -0.35 -0.26	21.50 -0.19 -0.42	22.81 -0.47 -0.80	23.32 -0.62 -0.28	21.31 -0.57 -0.01	20.65 -0.62 -0.01	20.84 -0.62 -0.01	19.10 -0.38 -0.38	19.65 -0.37 -0.42	19.50 -0.43 -0.58	19.83 -0.45 -0.85	19.62 -0.39 -1.24	21.87 -0.56 -1.59	23.55 -0.70 -2.28	24.88 -0.67 -1.78	24.59 -0.61 -1.75	23.28 -0.57 -1.03	18.39 -0.43 -0.84	16.67 -0.14 -0.85
S SALMON___HYD 24043	13.43 -0.34 -0.60	13.34 -0.35 -0.53	13.27 -0.35 -0.46	13.25 -0.38 -0.48	13.25 -0.38 -0.49	17.38 -0.44 -0.17	21.05 -0.49 -0.27	22.45 -0.56 -0.52	23.13 -0.71 -0.18	21.17 -0.70 0.00	20.60 -0.66 0.00	20.81 -0.64 0.00	18.76 -0.57 -0.23	19.30 -0.57 -0.26	19.12 -0.58 -0.36	19.35 -0.60 -0.53	18.98 -0.56 -0.78	21.23 -0.61 -1.00	22.84 -0.57 -1.44	24.43 -0.48 -1.14	24.14 -0.42 -1.12	23.05 -0.43 -0.66	18.13 -0.40 -0.54	16.15 -0.35 -0.54
S.PERRY___115KV_TB1 80734	14.60 0.13 -1.29	14.36 0.07 -1.14	14.19 0.04 -0.99	14.18 0.00 -1.03	14.20 0.00 -1.06	18.21 0.19 -0.36	22.36 0.51 -0.58	23.86 0.27 -1.10	24.00 -0.05 -0.39	21.79 -0.09 -0.01	21.12 -0.15 -0.01	21.31 -0.15 -0.01	19.53 -0.10 -0.52	20.11 -0.08 -0.59	20.04 -0.10 -0.80	20.52 -0.08 -1.17	20.47 -0.02 -1.72	22.91 -0.13 -2.19	25.01 -0.11 -3.14	26.29 0.07 -2.45	25.98 0.12 -2.42	24.38 0.14 -1.42	19.25 0.11 -1.16	17.44 0.30 -1.18
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	13.82 -0.54 -1.18	13.60 -0.61 -1.04	13.44 -0.63 -0.91	13.45 -0.64 -0.94	13.44 -0.67 -0.97	17.19 -0.79 -0.33	21.04 -0.77 -0.54	22.26 -1.24 -1.01	22.57 -1.44 -0.35	20.77 -1.12 -0.01	20.15 -1.13 -0.01	20.30 -1.16 -0.01	18.60 -0.97 -0.48	19.18 -0.96 -0.54	19.09 -0.99 -0.73	19.49 -1.01 -1.07	19.36 -0.98 -1.57	21.56 -1.29 -2.01	23.29 -1.56 -2.87	24.40 -1.62 -2.25	24.18 -1.48 -2.21	22.75 -1.37 -1.30	18.18 -0.86 -1.06	16.56 -0.48 -1.08
SAWYER___23_KV_LOAD 55526	13.82 -0.54 -1.18	13.60 -0.61 -1.04	13.44 -0.63 -0.91	13.45 -0.64 -0.94	13.44 -0.67 -0.97	17.19 -0.79 -0.33	21.04 -0.77 -0.54	22.26 -1.24 -1.01	22.57 -1.44 -0.35	20.77 -1.12 -0.01	20.15 -1.13 -0.01	20.30 -1.16 -0.01	18.60 -0.97 -0.48	19.18 -0.96 -0.54	19.09 -0.99 -0.73	19.49 -1.01 -1.07	19.36 -0.98 -1.57	21.56 -1.29 -2.01	23.29 -1.56 -2.87	24.40 -1.62 -2.25	24.18 -1.48 -2.21	22.75 -1.37 -1.30	18.18 -0.86 -1.06	16.56 -0.48 -1.08
SELKIRK___I 23801	22.60 0.32 -9.11	21.50 0.32 -8.02	20.48 0.32 -7.01	20.74 0.32 -7.27	20.95 0.33 -7.48	20.64 0.44 -2.55	25.99 0.59 -4.13	30.80 0.56 -7.75	27.07 0.69 -2.72	22.30 0.57 0.14	21.65 0.53 0.14	21.88 0.58 0.15	23.09 0.53 -3.45	23.96 0.55 -3.81	25.14 0.54 -5.25	27.77 0.54 -7.80	30.93 0.54 -11.62	36.37 0.60 -14.92	44.35 0.61 -21.77	42.12 0.69 -17.67	41.52 0.68 -17.39	33.82 0.68 -10.31	26.93 0.54 -8.41	24.76 0.41 -8.39
SELKIRK___II 23799	22.70 0.28 -9.25	21.58 0.28 -8.15	20.55 0.28 -7.11	20.80 0.26 -7.39	21.01 0.28 -7.60	20.63 0.39 -2.59	25.97 0.51 -4.19	30.85 0.49 -7.87	27.04 0.61 -2.77	22.24 0.52 0.16	21.61 0.51 0.17	21.83 0.56 0.18	23.08 0.52 -3.46	23.95 0.53 -3.82	25.14 0.52 -5.27	27.79 0.52 -7.83	30.97 0.51 -11.69	36.43 0.56 -15.02	44.51 0.57 -21.97	42.29 0.62 -17.91	41.71 0.63 -17.63	33.88 0.59 -10.46	26.98 0.47 -8.53	24.80 0.35 -8.49
SENECA OSWGO___HYD 24041	13.48 -0.37 -0.68	13.36 -0.39 -0.60	13.29 -0.39 -0.52	13.27 -0.42 -0.54	13.26 -0.43 -0.56	17.35 -0.49 -0.19	21.09 -0.49 -0.31	22.51 -0.56 -0.58	23.20 -0.66 -0.20	21.26 -0.61 0.00	20.65 -0.62 0.00	20.85 -0.60 0.00	18.83 -0.53 -0.26	19.37 -0.53 -0.29	19.23 -0.52 -0.40	19.48 -0.54 -0.59	19.16 -0.49 -0.88	21.36 -0.61 -1.12	22.95 -0.64 -1.62	24.43 -0.62 -1.28	24.10 -0.61 -1.26	23.00 -0.57 -0.74	18.11 -0.61 -0.61	16.17 -0.40 -0.61
SENECA___115KV_TB3 355854	13.92 -0.46 -1.20	13.69 -0.53 -1.06	13.53 -0.55 -0.92	13.54 -0.57 -0.96	13.55 -0.58 -0.99	17.32 -0.67 -0.34	21.22 -0.60 -0.54	22.52 -0.99 -1.02	22.81 -1.21 -0.36	21.09 -0.79 -0.01	20.49 -0.79 -0.01	20.63 -0.84 -0.01	18.80 -0.78 -0.49	19.38 -0.76 -0.55	19.29 -0.79 -0.74	19.70 -0.82 -1.09	19.56 -0.81 -1.60	21.80 -1.08 -2.04	23.54 -1.36 -2.93	24.67 -1.38 -2.29	24.48 -1.22 -2.25	22.98 -1.16 -1.32	18.36 -0.70 -1.08	16.70 -0.35 -1.10
SENECA___ENERGY 23797	13.98 -0.18 -0.99	13.82 -0.21 -0.87	13.71 -0.21 -0.76	13.69 -0.25 -0.79	13.68 -0.26 -0.81	17.72 -0.21 -0.28	21.63 -0.08 -0.45	23.13 -0.20 -0.84	23.62 -0.33 -0.30	21.61 -0.26 0.00	20.96 -0.30 0.00	21.17 -0.28 0.00	19.23 -0.25 -0.38	19.81 -0.22 -0.43	19.69 -0.23 -0.58	20.05 -0.23 -0.86	19.84 -0.19 -1.26	22.19 -0.27 -1.62	24.00 -0.31 -2.33	25.38 -0.24 -1.85	25.03 -0.23 -1.82	23.69 -0.21 -1.07	18.66 -0.20 -0.88	16.73 -0.11 -0.88
SHOEMAKER___GT 23640	20.08 0.62 -6.29	19.28 0.58 -5.54	18.58 0.58 -4.84	18.75 0.58 -5.02	18.88 0.58 -5.17	20.26 0.85 -1.76	25.16 1.04 -2.85	28.92 1.10 -5.33	26.81 1.28 -1.87	23.15 1.11 -0.16	22.56 1.13 -0.17	22.81 1.18 -0.18	23.12 1.07 -2.95	24.07 1.12 -3.35	24.97 1.12 -4.50	27.13 1.13 -6.58	29.35 1.05 -9.54	34.12 1.15 -12.13	40.28 1.19 -17.12	38.02 1.31 -12.95	37.47 1.29 -12.74	31.46 1.19 -7.45	24.98 0.92 -6.08	23.00 0.78 -6.26
SHOEMAKR_138KV_BK 111 55601	19.80 0.62 -6.01	19.04 0.59 -5.29	18.36 0.58 -4.62	18.54 0.59 -4.80	18.66 0.59 -4.93	20.18 0.85 -1.68	25.01 1.02 -2.72	28.70 1.10 -5.11	26.73 1.28 -1.80	23.17 1.14 -0.16	22.58 1.15 -0.17	22.82 1.18 -0.18	22.80 1.07 -2.63	23.70 1.12 -2.98	24.47 1.12 -4.01	26.40 1.13 -5.85	28.30 1.05 -8.48	32.77 1.15 -10.78	38.39 1.21 -15.21	36.57 1.31 -11.50	36.04 1.29 -11.31	30.65 1.21 -6.62	24.30 0.92 -5.39	22.25 0.73 -5.56
SHOREHAM_IC_1 23715	21.37 1.07 -7.13	21.82 1.14 -7.51	20.00 1.16 -5.68	20.00 1.16 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.13 1.64 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.32 1.85 -0.20	23.56 1.89 -0.22	24.26 1.79 -3.37	25.23 1.80 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.79 1.76 -11.26	38.39 1.88 -15.67	45.52 1.91 -21.63	43.04 2.21 -17.06	44.97 2.13 -19.39	35.74 2.01 -10.91	29.12 1.60 -9.54	24.31 1.26 -7.09
SHOREHAM_IC_2 23716	21.37 1.07 -7.13	21.82 1.14 -7.51	20.00 1.16 -5.68	20.00 1.16 -5.69	21.02 1.10 -6.78	21.39 1.54 -2.20	26.13 1.64 -3.23	30.46 1.91 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.32 1.85 -0.20	23.56 1.89 -0.22	24.26 1.79 -3.37	25.23 1.80 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.79 1.76 -11.26	38.39 1.88 -15.67	45.52 1.91 -21.63	43.04 2.21 -17.06	44.97 2.13 -19.39	35.74 2.01 -10.91	29.12 1.60 -9.54	24.31 1.26 -7.09
SISSONVILLE___ 23735	12.77 -0.51 -0.11	12.76 -0.50 -0.10	12.79 -0.46 -0.09	12.79 -0.45 -0.09	12.85 -0.38 -0.09	16.96 -0.72 -0.03	20.36 -0.96 -0.05	21.77 -0.81 -0.09	22.67 -1.02 -0.03	20.98 -0.90 0.00	20.39 -0.87 0.00	20.49 -0.97 0.00	18.32 -0.82 -0.04	18.71 -0.94 -0.05	18.50 -0.91 -0.07	18.62 -0.91 -0.10	18.01 -0.90 -0.15	20.24 -0.79 -0.19	21.50 -0.75 -0.27	23.15 -0.83 -0.21	22.83 -0.82 -0.21	22.10 -0.84 -0.12	17.37 -0.72 -0.10	15.57 -0.49 -0.10



SITHE_IND_GS1 24169	13.30 -0.46 -0.58	13.19 -0.49 -0.51	13.14 -0.47 -0.45	13.11 -0.50 -0.46	13.10 -0.51 -0.48	17.20 -0.62 -0.16	20.85 -0.68 -0.26	22.23 -0.76 -0.50	22.98 -0.85 -0.18	21.09 -0.79 0.00	20.50 -0.76 0.00	20.68 -0.77 0.00	18.66 -0.67 -0.23	19.19 -0.67 -0.25	19.01 -0.68 -0.35	19.26 -0.68 -0.51	18.88 -0.64 -0.75	21.06 -0.75 -0.96	22.55 -0.81 -1.39	24.04 -0.83 -1.10	23.71 -0.82 -1.08	22.69 -0.78 -0.64	17.88 -0.63 -0.52	15.96 -0.53 -0.53
SITHE_IND_GS2 24170	13.30 -0.46 -0.58	13.19 -0.49 -0.51	13.14 -0.47 -0.45	13.11 -0.50 -0.46	13.10 -0.51 -0.48	17.20 -0.62 -0.16	20.85 -0.68 -0.26	22.23 -0.76 -0.50	22.98 -0.85 -0.18	21.09 -0.79 0.00	20.50 -0.76 0.00	20.68 -0.77 0.00	18.66 -0.67 -0.23	19.19 -0.67 -0.25	19.01 -0.68 -0.35	19.26 -0.68 -0.51	18.88 -0.64 -0.75	21.06 -0.75 -0.96	22.55 -0.81 -1.39	24.04 -0.83 -1.10	23.71 -0.82 -1.08	22.69 -0.78 -0.64	17.88 -0.63 -0.52	15.96 -0.53 -0.53
SITHE_IND_GS3 24171	13.30 -0.46 -0.58	13.19 -0.49 -0.51	13.14 -0.47 -0.45	13.11 -0.50 -0.46	13.10 -0.51 -0.48	17.20 -0.62 -0.16	20.85 -0.68 -0.26	22.23 -0.76 -0.50	22.98 -0.85 -0.18	21.09 -0.79 0.00	20.50 -0.76 0.00	20.68 -0.77 0.00	18.66 -0.67 -0.23	19.19 -0.67 -0.25	19.01 -0.68 -0.35	19.26 -0.68 -0.51	18.88 -0.64 -0.75	21.06 -0.75 -0.96	22.55 -0.81 -1.39	24.04 -0.83 -1.10	23.71 -0.82 -1.08	22.69 -0.78 -0.64	17.88 -0.63 -0.52	15.96 -0.53 -0.53
SITHE_IND_GS4 24172	13.30 -0.46 -0.58	13.19 -0.49 -0.51	13.14 -0.47 -0.45	13.11 -0.50 -0.46	13.10 -0.51 -0.48	17.20 -0.62 -0.16	20.85 -0.68 -0.26	22.23 -0.76 -0.50	22.98 -0.85 -0.18	21.09 -0.79 0.00	20.50 -0.76 0.00	20.68 -0.77 0.00	18.66 -0.67 -0.23	19.19 -0.67 -0.25	19.01 -0.68 -0.35	19.26 -0.68 -0.51	18.88 -0.64 -0.75	21.06 -0.75 -0.96	22.55 -0.81 -1.39	24.04 -0.83 -1.10	23.71 -0.82 -1.08	22.69 -0.78 -0.64	17.88 -0.63 -0.52	15.96 -0.53 -0.53
SITHE___BATAVIA 24024	13.99 -0.22 -1.04	13.78 -0.30 -0.92	13.71 -0.25 -0.80	13.63 -0.35 -0.83	13.62 -0.37 -0.86	17.61 -0.34 -0.29	21.59 -0.15 -0.47	22.83 -0.56 -0.90	23.36 -0.62 -0.32	21.39 -0.48 0.00	20.20 -1.06 0.00	20.34 -1.12 0.00	18.60 -0.90 -0.40	19.14 -0.90 -0.44	19.00 -0.95 -0.60	19.35 -0.97 -0.89	19.18 -0.90 -1.32	21.40 -1.13 -1.68	23.13 -1.28 -2.43	24.48 -1.21 -1.92	24.21 -1.13 -1.89	22.89 -1.05 -1.12	18.10 -0.79 -0.91	16.53 -0.35 -0.92
SITHE___INDEPEND 23800	13.31 -0.46 -0.59	13.20 -0.49 -0.52	13.13 -0.49 -0.46	13.12 -0.50 -0.47	13.12 -0.50 -0.49	17.20 -0.62 -0.17	20.86 -0.68 -0.27	22.23 -0.76 -0.50	22.98 -0.85 -0.18	21.09 -0.79 0.00	20.50 -0.77 0.00	20.68 -0.77 0.00	18.67 -0.67 -0.24	19.20 -0.67 -0.27	19.03 -0.68 -0.36	19.29 -0.68 -0.54	18.92 -0.64 -0.79	21.10 -0.75 -1.00	22.60 -0.81 -1.44	24.06 -0.83 -1.13	23.73 -0.82 -1.11	22.70 -0.78 -0.65	17.89 -0.63 -0.53	15.97 -0.53 -0.54
SITHE___MASSENA 23902	13.07 -0.11 0.00	13.07 -0.09 0.00	13.08 -0.08 0.00	13.10 -0.05 0.00	13.14 0.00 0.00	17.46 -0.19 0.00	20.95 -0.32 0.00	22.29 -0.20 0.00	23.35 -0.31 0.00	21.63 -0.24 0.00	21.05 -0.21 0.00	21.15 -0.30 0.00	18.87 -0.23 0.00	19.29 -0.31 0.00	19.07 -0.27 0.00	19.14 -0.29 0.00	18.47 -0.30 0.00	20.66 -0.19 0.00	21.80 -0.18 0.00	23.53 -0.24 0.00	23.24 -0.21 0.00	22.59 -0.23 0.00	17.81 -0.18 0.00	15.85 -0.11 0.00
SITHE___OGDNSBRG 24021	13.12 -0.14 -0.09	13.12 -0.12 -0.08	13.15 -0.08 -0.07	13.14 -0.08 -0.07	13.20 -0.01 -0.07	17.49 -0.19 -0.03	20.97 -0.34 -0.04	22.39 -0.18 -0.08	23.30 -0.38 -0.03	21.59 -0.28 0.00	20.97 -0.30 0.00	21.04 -0.41 0.00	18.83 -0.31 -0.04	19.23 -0.41 -0.04	19.01 -0.39 -0.05	19.10 -0.41 -0.08	18.51 -0.38 -0.12	20.77 -0.23 -0.15	22.04 -0.15 -0.22	23.75 -0.19 -0.17	23.43 -0.19 -0.17	22.69 -0.23 -0.10	17.85 -0.22 -0.08	15.98 -0.06 -0.08
SITHE___STERLING 23777	13.79 0.15 -0.47	13.72 0.15 -0.41	13.67 0.15 -0.36	13.64 0.12 -0.37	13.64 0.12 -0.38	18.07 0.28 -0.13	21.75 0.28 -0.21	23.20 0.31 -0.40	24.01 0.21 -0.14	22.05 0.17 0.00	21.39 0.13 0.00	21.58 0.13 0.00	19.40 0.12 -0.18	19.96 0.16 -0.20	19.74 0.12 -0.28	19.98 0.14 -0.41	19.54 0.17 -0.60	21.87 0.25 -0.77	23.44 0.35 -1.11	25.12 0.48 -0.88	24.76 0.44 -0.87	23.74 0.41 -0.51	18.64 0.23 -0.42	16.57 0.19 -0.42
SLEIGHT__34_KV_TB1 80719	14.20 0.09 -0.93	14.05 0.07 -0.82	13.92 0.04 -0.71	13.90 0.01 -0.74	13.90 0.00 -0.76	18.09 0.18 -0.26	22.07 0.38 -0.42	23.59 0.31 -0.79	24.12 0.19 -0.28	22.12 0.24 -0.01	21.46 0.19 -0.01	21.70 0.24 -0.01	19.70 0.23 -0.38	20.30 0.27 -0.42	20.15 0.23 -0.57	20.50 0.23 -0.84	20.26 0.26 -1.23	22.63 0.21 -1.58	24.41 0.18 -2.26	25.84 0.31 -1.76	25.46 0.28 -1.74	24.16 0.32 -1.02	18.98 0.16 -0.83	17.00 0.19 -0.85
SOUTH CAIRO___GT 23612	22.21 0.39 -8.64	21.09 0.32 -7.61	20.11 0.30 -6.65	20.35 0.30 -6.90	20.63 0.39 -7.10	20.78 0.71 -2.42	26.20 1.02 -3.91	30.77 1.02 -7.34	27.25 1.02 -2.58	22.67 0.90 0.10	22.12 0.96 0.10	22.26 0.92 0.11	23.28 0.84 -3.34	24.15 0.84 -3.70	25.29 0.85 -5.09	27.85 0.88 -7.54	30.82 0.85 -11.21	36.28 1.06 -14.37	43.84 0.97 -20.90	41.71 1.09 -16.85	41.20 1.17 -16.58	33.67 1.03 -9.82	26.80 0.81 -8.01	24.55 0.57 -8.01
SOUTH HAMPTN___IC 23720	21.57 1.26 -7.13	21.99 1.32 -7.51	20.18 1.34 -5.68	20.17 1.33 -5.69	21.21 1.29 -6.78	21.63 1.78 -2.20	26.50 2.00 -3.23	30.88 2.34 -6.06	28.39 2.60 -2.13	24.45 2.38 -0.20	23.72 2.25 -0.20	23.95 2.27 -0.22	24.61 2.14 -3.37	25.58 2.16 -3.82	34.35 2.19 -12.82	30.92 2.23 -9.26	32.15 2.12 -11.26	38.78 2.27 -15.67	45.93 2.33 -21.63	43.47 2.64 -17.06	45.42 2.58 -19.39	36.15 2.42 -10.91	29.43 1.91 -9.54	24.60 1.55 -7.09
SOUTHDOW_115KV_TB1 355954	14.43 -0.07 -1.33	14.24 -0.09 -1.17	14.08 -0.11 -1.02	14.09 -0.12 -1.06	14.08 -0.14 -1.09	18.08 0.05 -0.37	22.21 0.34 -0.60	23.84 0.22 -1.13	24.08 0.02 -0.40	22.41 0.52 -0.01	21.78 0.51 -0.01	21.91 0.45 -0.01	19.75 0.11 -0.54	20.36 0.16 -0.60	20.26 0.10 -0.82	20.71 0.08 -1.20	20.48 -0.06 -1.76	22.85 -0.25 -2.25	24.74 -0.46 -3.23	25.91 -0.38 -2.52	25.74 -0.19 -2.48	24.03 -0.25 -1.46	19.18 0.00 -1.19	17.34 0.18 -1.21
SOUTHOLD_69_KV_BK 2 55809	21.74 1.46 -7.10	22.16 1.51 -7.49	20.35 1.53 -5.66	20.35 1.53 -5.67	21.40 1.50 -6.76	21.89 2.05 -2.19	26.85 2.36 -3.22	31.26 2.72 -6.05	28.83 3.05 -2.13	24.89 2.82 -0.20	24.13 2.66 -0.21	24.29 2.62 -0.22	24.64 2.43 -3.12	25.65 2.51 -3.54	34.34 2.55 -12.44	30.74 2.60 -8.70	31.73 2.50 -10.46	38.20 2.71 -14.65	44.98 2.79 -20.21	42.89 3.11 -16.01	44.85 3.05 -18.36	35.96 2.83 -10.31	29.24 2.21 -9.05	24.32 1.79 -6.58
SOUTHOLD___IC 23719	21.77 1.46 -7.13	22.18 1.51 -7.51	20.37 1.53 -5.68	20.37 1.52 -5.69	21.40 1.48 -6.78	21.90 2.05 -2.20	26.86 2.36 -3.23	31.27 2.72 -6.06	28.84 3.05 -2.13	24.89 2.82 -0.20	24.13 2.66 -0.20	24.33 2.66 -0.22	24.95 2.48 -3.37	25.93 2.51 -3.82	34.72 2.55 -12.82	31.29 2.60 -9.26	32.53 2.50 -11.26	39.22 2.71 -15.67	46.40 2.79 -21.63	43.94 3.11 -17.06	45.89 3.05 -19.39	36.56 2.83 -10.91	29.74 2.21 -9.54	24.87 1.82 -7.09



SPIERFLS_115KV_TB 1 80737	23.48 0.45 -9.86	22.28 0.43 -8.69	21.15 0.41 -7.58	21.44 0.42 -7.88	21.67 0.43 -8.10	21.05 0.64 -2.76	26.75 1.02 -4.47	31.94 1.06 -8.40	27.74 1.14 -2.95	22.66 0.94 0.15	21.93 0.83 0.16	22.18 0.90 0.17	23.49 0.78 -3.60	24.40 0.82 -3.97	25.18 0.35 -5.48	27.96 0.39 -8.14	31.41 0.49 -12.16	37.06 0.60 -15.62	45.37 0.57 -22.83	43.10 0.74 -18.60	42.55 0.80 -18.31	34.42 0.73 -10.86	27.78 0.94 -8.86	25.51 0.73 -8.82
ST LAWRENCE____ 23600	12.95 -0.22 0.00	12.96 -0.20 0.00	12.96 -0.20 0.00	12.98 -0.17 0.00	12.99 -0.14 0.00	17.34 -0.32 0.00	20.82 -0.45 0.00	22.08 -0.40 0.00	23.16 -0.50 0.00	21.46 -0.42 0.00	20.86 -0.40 0.00	21.00 -0.45 0.00	18.74 -0.36 0.00	19.17 -0.43 0.00	18.94 -0.41 0.00	19.02 -0.41 0.00	18.35 -0.41 0.00	20.45 -0.40 0.00	21.58 -0.39 0.00	23.29 -0.48 0.00	23.00 -0.45 0.00	22.37 -0.46 0.00	17.64 -0.34 0.00	15.69 -0.27 0.00
STATE_CA_115KV_115_LB 55624	22.84 0.25 -9.41	21.70 0.25 -8.29	20.64 0.24 -7.24	20.90 0.24 -7.51	21.13 0.26 -7.73	20.66 0.37 -2.63	26.04 0.51 -4.26	30.97 0.47 -8.01	27.09 0.62 -2.82	22.21 0.50 0.17	21.56 0.47 0.17	21.82 0.56 0.19	23.00 0.50 -3.40	23.87 0.53 -3.74	25.04 0.52 -5.18	27.65 0.52 -7.70	30.80 0.53 -11.51	36.22 0.58 -14.79	44.24 0.59 -21.67	42.16 0.67 -17.73	41.56 0.66 -17.46	33.80 0.62 -10.37	26.92 0.49 -8.45	24.70 0.34 -8.40
STATE_ST_34_KV_LOAD 55959	14.10 -0.05 -0.98	13.94 -0.08 -0.86	13.82 -0.09 -0.75	13.83 -0.11 -0.78	13.82 -0.12 -0.80	17.88 -0.05 -0.27	21.99 0.28 -0.44	23.55 0.22 -0.83	24.04 0.09 -0.29	22.08 0.20 -0.01	21.42 0.15 -0.01	21.63 0.17 -0.01	19.63 0.13 -0.40	20.22 0.18 -0.44	20.10 0.15 -0.60	20.47 0.16 -0.89	20.24 0.17 -1.30	22.63 0.13 -1.66	24.46 0.11 -2.38	25.84 0.21 -1.86	25.49 0.21 -1.83	24.11 0.21 -1.08	18.97 0.11 -0.88	16.98 0.13 -0.89
STATION 5_MISC_HYD 23604	13.83 -0.28 -0.94	13.64 -0.34 -0.83	13.57 -0.32 -0.72	13.52 -0.38 -0.75	13.51 -0.39 -0.77	17.49 -0.42 -0.26	21.39 -0.30 -0.42	22.71 -0.58 -0.81	23.18 -0.76 -0.28	21.19 -0.68 0.00	20.54 -0.72 0.00	20.72 -0.73 0.00	18.97 -0.50 -0.37	19.52 -0.49 -0.41	19.38 -0.52 -0.56	19.71 -0.54 -0.82	19.49 -0.49 -1.21	21.71 -0.69 -1.55	23.40 -0.81 -2.24	24.75 -0.78 -1.77	24.46 -0.73 -1.74	23.17 -0.68 -1.03	18.32 -0.50 -0.84	16.60 -0.21 -0.85
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	13.93 -0.17 -0.93	13.75 -0.22 -0.82	13.64 -0.24 -0.71	13.63 -0.26 -0.74	13.62 -0.28 -0.76	17.69 -0.23 -0.26	21.58 -0.11 -0.42	22.99 -0.29 -0.79	23.48 -0.45 -0.28	21.46 -0.42 -0.01	20.84 -0.43 -0.01	21.03 -0.43 -0.01	19.17 -0.31 -0.37	19.75 -0.27 -0.42	19.59 -0.33 -0.57	19.96 -0.31 -0.84	19.72 -0.28 -1.23	22.02 -0.40 -1.57	23.77 -0.46 -2.25	25.10 -0.43 -1.76	24.78 -0.40 -1.73	23.45 -0.39 -1.02	18.49 -0.32 -0.83	16.66 -0.14 -0.84
STA_56_34_KV_BUS2_REV_LBMP_B 345033	13.75 -0.34 -0.92	13.57 -0.39 -0.81	13.45 -0.42 -0.71	13.45 -0.43 -0.73	13.44 -0.45 -0.75	17.42 -0.49 -0.26	21.30 -0.38 -0.42	22.62 -0.65 -0.78	23.10 -0.83 -0.27	21.11 -0.77 -0.01	20.48 -0.79 -0.01	20.67 -0.79 -0.01	18.92 -0.55 -0.37	19.47 -0.55 -0.42	19.31 -0.60 -0.57	19.66 -0.60 -0.83	19.44 -0.54 -1.22	21.67 -0.73 -1.56	23.35 -0.86 -2.23	24.65 -0.86 -1.74	24.37 -0.80 -1.72	23.08 -0.75 -1.01	18.23 -0.58 -0.82	16.49 -0.30 -0.84
STA_56____34_KV_BUS2 355983	13.75 -0.34 -0.92	13.57 -0.39 -0.81	13.45 -0.42 -0.71	13.45 -0.43 -0.73	13.44 -0.45 -0.75	17.42 -0.49 -0.26	21.30 -0.38 -0.42	22.62 -0.65 -0.78	23.10 -0.83 -0.27	21.11 -0.77 -0.01	20.48 -0.79 -0.01	20.67 -0.79 -0.01	18.92 -0.55 -0.37	19.47 -0.55 -0.42	19.31 -0.60 -0.57	19.66 -0.60 -0.83	19.44 -0.54 -1.22	21.67 -0.73 -1.56	23.35 -0.86 -2.23	24.65 -0.86 -1.74	24.37 -0.80 -1.72	23.08 -0.75 -1.01	18.23 -0.58 -0.82	16.49 -0.30 -0.84
STA_67____115KV_BK2 355882	13.81 -0.30 -0.93	13.62 -0.37 -0.82	13.50 -0.38 -0.72	13.49 -0.41 -0.75	13.48 -0.42 -0.77	17.48 -0.44 -0.26	21.35 -0.34 -0.42	22.65 -0.63 -0.80	23.16 -0.78 -0.28	21.13 -0.74 -0.01	20.50 -0.77 -0.01	20.69 -0.77 -0.01	18.94 -0.53 -0.38	19.52 -0.51 -0.42	19.36 -0.56 -0.58	19.69 -0.58 -0.85	19.48 -0.53 -1.24	21.72 -0.71 -1.59	23.39 -0.86 -2.27	24.71 -0.83 -1.78	24.40 -0.80 -1.75	23.12 -0.73 -1.03	18.28 -0.54 -0.84	16.56 -0.26 -0.85
STA_7____115KV_9TRANS 80674	13.89 -0.22 -0.94	13.70 -0.29 -0.82	13.57 -0.32 -0.72	13.55 -0.34 -0.75	13.55 -0.35 -0.77	17.56 -0.35 -0.26	21.50 -0.19 -0.42	22.81 -0.47 -0.80	23.32 -0.62 -0.28	21.31 -0.57 -0.01	20.65 -0.62 -0.01	20.84 -0.62 -0.01	19.10 -0.38 -0.38	19.65 -0.37 -0.42	19.50 -0.43 -0.58	19.83 -0.45 -0.85	19.62 -0.39 -1.24	21.87 -0.56 -1.59	23.55 -0.70 -2.28	24.88 -0.67 -1.78	24.59 -0.61 -1.75	23.28 -0.57 -1.03	18.39 -0.43 -0.84	16.67 -0.14 -0.85
STA_82____115KV_TB1 80780	13.81 -0.30 -0.94	13.62 -0.37 -0.83	13.50 -0.38 -0.72	13.49 -0.41 -0.75	13.49 -0.42 -0.77	17.48 -0.44 -0.26	21.37 -0.32 -0.42	22.68 -0.61 -0.80	23.16 -0.78 -0.28	21.16 -0.72 -0.01	20.50 -0.77 -0.01	20.69 -0.77 -0.01	18.96 -0.52 -0.38	19.52 -0.51 -0.42	19.36 -0.56 -0.58	19.71 -0.56 -0.85	19.49 -0.53 -1.25	21.73 -0.71 -1.59	23.40 -0.86 -2.28	24.72 -0.83 -1.78	24.43 -0.77 -1.75	23.12 -0.73 -1.03	18.29 -0.54 -0.84	16.56 -0.26 -0.85
STEEL____WIND 323596	13.92 -0.47 -1.22	13.71 -0.53 -1.08	13.60 -0.50 -0.94	13.55 -0.58 -0.98	13.55 -0.59 -1.00	17.31 -0.69 -0.34	21.20 -0.62 -0.55	22.53 -1.01 -1.06	22.80 -1.23 -0.37	21.06 -0.81 0.00	20.45 -0.81 0.00	20.59 -0.86 0.00	18.76 -0.82 -0.48	19.33 -0.80 -0.53	19.26 -0.81 -0.73	19.67 -0.83 -1.08	19.53 -0.83 -1.59	21.77 -1.11 -2.03	23.52 -1.38 -2.93	24.68 -1.40 -2.32	24.49 -1.24 -2.28	23.01 -1.16 -1.35	18.36 -0.72 -1.10	16.72 -0.35 -1.11
STEPHTWN_115KV_BK_2 55603	22.78 0.33 -9.28	21.65 0.32 -8.17	20.60 0.30 -7.13	20.86 0.30 -7.41	21.07 0.32 -7.62	20.73 0.48 -2.59	26.11 0.64 -4.20	30.99 0.61 -7.90	27.19 0.76 -2.78	22.34 0.63 0.17	21.66 0.57 0.17	21.93 0.66 0.19	23.06 0.61 -3.35	23.95 0.67 -3.68	25.10 0.66 -5.09	27.67 0.66 -7.58	30.78 0.68 -11.33	36.18 0.77 -14.57	44.07 0.75 -21.35	42.07 0.83 -17.48	41.47 0.82 -17.20	33.84 0.80 -10.22	26.93 0.61 -8.33	24.67 0.43 -8.28
STEBEN_REC_LFGE 323667	14.87 0.11 -1.59	14.61 0.05 -1.40	14.40 0.01 -1.22	14.42 0.00 -1.27	14.43 -0.01 -1.30	18.29 0.19 -0.44	22.45 0.47 -0.72	24.13 0.29 -1.35	24.25 0.12 -0.47	22.19 0.31 -0.01	21.53 0.26 -0.01	21.68 0.21 -0.01	19.82 0.08 -0.64	20.44 0.12 -0.72	20.42 0.10 -0.98	20.97 0.10 -1.44	21.01 0.13 -2.11	23.58 0.04 -2.70	25.79 -0.04 -3.86	26.88 0.10 -3.02	26.53 0.12 -2.97	24.71 0.14 -1.75	19.57 0.16 -1.42	17.64 0.24 -1.45
STONY____BROOK 24151	21.50 1.20 -7.13	21.88 1.21 -7.51	20.05 1.21 -5.68	20.05 1.21 -5.69	21.09 1.17 -6.78	21.49 1.64 -2.20	26.43 1.94 -3.23	30.75 2.21 -6.06	28.29 2.51 -2.13	24.34 2.27 -0.20	23.64 2.17 -0.20	23.88 2.21 -0.22	24.55 2.08 -3.37	25.52 2.10 -3.82	34.29 2.13 -12.82	30.85 2.16 -9.26	32.06 2.03 -11.26	38.66 2.15 -15.67	45.74 2.13 -21.63	43.25 2.43 -17.06	45.19 2.34 -19.39	36.02 2.28 -10.91	29.36 1.84 -9.54	24.53 1.48 -7.09



STURGEON_POOL_HYD 23609	21.51 1.12 -7.22	20.53 1.01 -6.36	19.71 1.00 -5.55	19.92 1.01 -5.76	20.12 1.05 -5.93	21.25 1.57 -2.02	26.28 1.74 -3.27	30.54 1.91 -6.14	27.99 2.18 -2.16	23.79 1.79 -0.13	23.27 1.87 -0.13	23.44 1.84 -0.14	23.88 1.74 -3.04	24.84 1.80 -3.43	25.82 1.84 -4.63	28.10 1.88 -6.79	30.26 1.60 -9.90	35.21 1.75 -12.62	41.53 1.63 -17.93	39.10 1.57 -13.77	38.56 1.57 -13.55	32.16 1.39 -7.95	25.47 1.01 -6.48	23.29 0.70 -6.63
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	20.32 0.70 -6.45	19.51 0.67 -5.68	18.78 0.66 -4.96	18.97 0.67 -5.15	19.09 0.66 -5.30	20.41 0.95 -1.80	25.30 1.11 -2.92	29.20 1.21 -5.49	27.03 1.44 -1.93	23.31 1.27 -0.17	22.72 1.28 -0.18	22.96 1.31 -0.20	23.16 1.24 -2.82	24.09 1.29 -3.20	24.94 1.30 -4.30	27.01 1.30 -6.27	29.08 1.22 -9.10	33.73 1.31 -11.57	39.69 1.38 -16.33	37.61 1.50 -12.35	37.07 1.48 -12.15	31.30 1.37 -7.11	24.79 1.01 -5.79	22.74 0.81 -5.97
SWANROAD_115KV_TB1 355699	13.56 -0.74 -1.12	13.36 -0.79 -0.99	13.19 -0.83 -0.86	13.20 -0.84 -0.89	13.20 -0.85 -0.92	16.89 -1.08 -0.31	20.67 -1.11 -0.51	21.82 -1.62 -0.95	22.10 -1.89 -0.34	20.28 -1.60 -0.01	19.68 -1.59 -0.01	19.81 -1.65 -0.01	18.24 -1.32 -0.45	18.78 -1.33 -0.51	18.68 -1.35 -0.69	19.07 -1.38 -1.02	18.94 -1.31 -1.49	21.08 -1.67 -1.90	22.70 -2.00 -2.73	23.83 -2.07 -2.13	23.64 -1.90 -2.10	22.28 -1.78 -1.23	17.82 -1.17 -1.01	16.26 -0.72 -1.02
SYNERGY___BIOGAS 323694	13.99 -0.22 -1.04	13.78 -0.30 -0.92	13.71 -0.25 -0.80	13.63 -0.35 -0.83	13.62 -0.37 -0.86	17.61 -0.34 -0.29	21.59 -0.15 -0.47	22.83 -0.56 -0.90	23.36 -0.62 -0.32	21.39 -0.48 0.00	20.20 -1.06 0.00	20.34 -1.12 0.00	18.60 -0.90 -0.40	19.14 -0.90 -0.44	19.00 -0.95 -0.60	19.35 -0.97 -0.89	19.18 -0.90 -1.32	21.40 -1.13 -1.68	23.13 -1.28 -2.43	24.48 -1.21 -1.92	24.21 -1.13 -1.89	22.89 -1.05 -1.12	18.10 -0.79 -0.91	16.53 -0.35 -0.92
SYRACUSE___ENERGY_ST1 323597	13.83 -0.16 -0.81	13.69 -0.18 -0.72	13.62 -0.17 -0.63	13.59 -0.21 -0.65	13.58 -0.22 -0.67	17.69 -0.19 -0.23	21.51 -0.13 -0.37	22.98 -0.20 -0.70	23.62 -0.28 -0.24	21.65 -0.22 0.00	21.03 -0.23 0.00	21.24 -0.21 0.00	19.23 -0.19 -0.32	19.78 -0.18 -0.35	19.65 -0.17 -0.48	19.96 -0.18 -0.71	19.66 -0.15 -1.05	21.95 -0.23 -1.34	23.64 -0.26 -1.93	25.08 -0.21 -1.53	24.74 -0.21 -1.50	23.53 -0.18 -0.89	18.53 -0.18 -0.72	16.55 -0.14 -0.73
SYRACUSE___ENERGY_ST2 323598	13.83 -0.16 -0.81	13.69 -0.18 -0.72	13.62 -0.17 -0.63	13.59 -0.21 -0.65	13.58 -0.22 -0.67	17.69 -0.19 -0.23	21.51 -0.13 -0.37	22.98 -0.20 -0.70	23.62 -0.28 -0.24	21.65 -0.22 0.00	21.03 -0.23 0.00	21.24 -0.21 0.00	19.23 -0.19 -0.32	19.78 -0.18 -0.35	19.65 -0.17 -0.48	19.96 -0.18 -0.71	19.66 -0.15 -1.05	21.95 -0.23 -1.34	23.64 -0.26 -1.93	25.08 -0.21 -1.53	24.74 -0.21 -1.50	23.53 -0.18 -0.89	18.53 -0.18 -0.72	16.55 -0.14 -0.73
SYRACUSE___POWER 24017	13.86 -0.17 -0.86	13.72 -0.20 -0.76	13.61 -0.21 -0.66	13.61 -0.22 -0.69	13.62 -0.22 -0.71	17.68 -0.21 -0.24	21.49 -0.17 -0.39	23.00 -0.22 -0.73	23.63 -0.28 -0.26	21.64 -0.24 -0.01	21.04 -0.23 -0.01	21.24 -0.21 -0.01	19.26 -0.19 -0.35	19.82 -0.18 -0.39	19.70 -0.17 -0.53	20.03 -0.17 -0.78	19.76 -0.15 -1.14	22.10 -0.21 -1.46	23.83 -0.24 -2.09	25.21 -0.19 -1.64	24.85 -0.21 -1.61	23.59 -0.18 -0.95	18.58 -0.18 -0.77	16.58 -0.16 -0.78
TALLMAN__138KV_BK151 55660	20.69 0.78 -6.74	19.85 0.75 -5.93	19.08 0.74 -5.18	19.28 0.75 -5.38	19.41 0.74 -5.54	20.58 1.04 -1.88	25.53 1.21 -3.05	29.60 1.37 -5.73	27.30 1.63 -2.02	23.52 1.47 -0.18	22.92 1.47 -0.19	23.16 1.50 -0.21	23.46 1.41 -2.95	24.43 1.49 -3.34	25.33 1.49 -4.49	27.48 1.50 -6.56	29.66 1.39 -9.51	34.42 1.48 -12.09	40.62 1.58 -17.06	38.35 1.69 -12.90	37.80 1.66 -12.68	31.77 1.53 -7.42	25.17 1.13 -6.05	23.09 0.89 -6.24
TEALLAVE_115KV_TB7 355573	13.69 -0.21 -0.72	13.56 -0.24 -0.64	13.47 -0.25 -0.55	13.46 -0.26 -0.58	13.45 -0.28 -0.59	17.57 -0.28 -0.20	21.34 -0.26 -0.33	22.79 -0.31 -0.61	23.49 -0.38 -0.22	21.55 -0.33 -0.01	20.95 -0.32 -0.01	21.16 -0.30 -0.01	19.13 -0.27 -0.29	19.68 -0.25 -0.33	19.54 -0.25 -0.44	19.83 -0.25 -0.65	19.50 -0.23 -0.96	21.76 -0.31 -1.23	23.38 -0.35 -1.76	24.83 -0.31 -1.37	24.47 -0.33 -1.35	23.34 -0.27 -0.79	18.38 -0.25 -0.65	16.39 -0.22 -0.66
TELGRAPH_34_KV_EAST 80808	13.81 -0.45 -1.08	13.59 -0.53 -0.95	13.45 -0.54 -0.83	13.45 -0.57 -0.86	13.43 -0.59 -0.89	17.29 -0.67 -0.30	21.16 -0.60 -0.49	22.35 -1.06 -0.92	22.73 -1.25 -0.32	20.85 -1.03 -0.01	20.12 -1.15 -0.01	20.26 -1.20 -0.01	18.60 -0.94 -0.44	19.15 -0.94 -0.49	19.03 -0.99 -0.67	19.42 -0.99 -0.98	19.27 -0.94 -1.44	21.45 -1.23 -1.84	23.14 -1.47 -2.64	24.33 -1.50 -2.06	24.11 -1.36 -2.03	22.74 -1.28 -1.19	18.11 -0.85 -0.97	16.51 -0.43 -0.99
TEMPLE___115KV_TB 2 55572	13.70 -0.21 -0.74	13.57 -0.24 -0.65	13.48 -0.25 -0.57	13.47 -0.26 -0.59	13.48 -0.26 -0.61	17.60 -0.26 -0.21	21.37 -0.23 -0.33	22.82 -0.29 -0.63	23.52 -0.35 -0.22	21.57 -0.31 -0.01	20.97 -0.30 -0.01	21.18 -0.28 -0.01	19.15 -0.25 -0.30	19.70 -0.24 -0.33	19.57 -0.23 -0.45	19.86 -0.23 -0.67	19.54 -0.21 -0.98	21.80 -0.29 -1.25	23.44 -0.33 -1.79	24.88 -0.29 -1.40	24.52 -0.30 -1.38	23.38 -0.25 -0.81	18.41 -0.23 -0.66	16.42 -0.21 -0.67
TIANA____69_KV_BK 1 55817	21.50 1.23 -7.10	21.92 1.28 -7.49	20.11 1.29 -5.66	20.11 1.29 -5.67	21.16 1.26 -6.76	21.57 1.73 -2.19	26.42 1.94 -3.22	30.76 2.23 -6.05	28.29 2.51 -2.13	24.39 2.32 -0.20	23.66 2.19 -0.21	23.86 2.19 -0.22	24.24 2.02 -3.12	25.24 2.10 -3.54	33.93 2.15 -12.44	30.31 2.18 -8.70	31.26 2.03 -10.46	37.68 2.19 -14.65	44.43 2.24 -20.21	42.32 2.54 -16.01	44.29 2.49 -18.36	35.46 2.33 -10.31	28.87 1.83 -9.05	23.99 1.45 -6.58
TILDEN___115KV_TB1 80814	13.86 -0.17 -0.86	13.72 -0.20 -0.76	13.61 -0.21 -0.66	13.61 -0.22 -0.69	13.62 -0.22 -0.71	17.68 -0.21 -0.24	21.49 -0.17 -0.39	23.00 -0.22 -0.73	23.63 -0.28 -0.26	21.64 -0.24 -0.01	21.04 -0.23 -0.01	21.24 -0.21 -0.01	19.26 -0.19 -0.35	19.82 -0.18 -0.39	19.70 -0.17 -0.53	20.03 -0.17 -0.78	19.76 -0.15 -1.14	22.10 -0.21 -1.46	23.83 -0.24 -2.09	25.21 -0.19 -1.64	24.85 -0.21 -1.61	23.59 -0.18 -0.95	18.58 -0.18 -0.77	16.58 -0.16 -0.78
TRIGEN___CC 323695	21.32 1.04 -7.10	21.69 1.04 -7.49	19.83 1.01 -5.66	19.85 1.03 -5.67	20.90 1.00 -6.76	21.24 1.39 -2.19	26.12 1.64 -3.22	30.38 1.84 -6.05	27.91 2.13 -2.13	24.01 1.95 -0.20	23.34 1.87 -0.21	23.56 1.89 -0.22	23.97 1.76 -3.12	24.96 1.82 -3.54	33.64 1.86 -12.44	29.98 1.85 -8.70	30.92 1.69 -10.46	37.29 1.79 -14.65	44.05 1.87 -20.21	41.84 2.07 -16.01	43.85 2.04 -18.36	35.07 1.94 -10.31	28.53 1.49 -9.05	23.73 1.20 -6.58
TRINITY__115KV__ 4 BK 55933	22.69 0.22 -9.29	21.56 0.21 -8.19	20.52 0.21 -7.15	20.78 0.21 -7.42	21.00 0.22 -7.64	20.59 0.34 -2.60	25.92 0.45 -4.21	30.81 0.40 -7.91	26.98 0.54 -2.78	22.16 0.46 0.17	21.51 0.43 0.18	21.75 0.49 0.19	22.91 0.46 -3.35	23.76 0.47 -3.69	24.93 0.48 -5.10	27.48 0.47 -7.59	30.59 0.47 -11.35	35.96 0.52 -14.59	43.88 0.53 -21.38	41.87 0.59 -17.51	41.27 0.59 -17.24	33.61 0.55 -10.24	26.76 0.43 -8.35	24.54 0.29 -8.30



UNION___PROCESSING_DRP 323587	13.81 -0.30 -0.94	13.63 -0.36 -0.83	13.51 -0.37 -0.72	13.50 -0.39 -0.75	13.50 -0.41 -0.77	17.48 -0.44 -0.26	21.37 -0.32 -0.42	22.68 -0.61 -0.80	23.16 -0.78 -0.28	21.16 -0.72 -0.01	20.53 -0.74 -0.01	20.69 -0.77 -0.01	18.96 -0.52 -0.38	19.52 -0.51 -0.42	19.36 -0.56 -0.58	19.72 -0.56 -0.85	19.49 -0.53 -1.25	21.73 -0.71 -1.59	23.42 -0.84 -2.28	24.72 -0.83 -1.78	24.43 -0.77 -1.75	23.15 -0.71 -1.03	18.31 -0.52 -0.84	16.57 -0.24 -0.85
UPPER HUDSON___HYD 24058	23.41 0.45 -9.79	22.22 0.43 -8.62	21.11 0.42 -7.53	21.39 0.42 -7.82	21.61 0.43 -8.04	21.03 0.63 -2.74	26.72 1.02 -4.43	31.88 1.06 -8.33	27.72 1.14 -2.93	22.60 0.94 0.21	21.87 0.83 0.22	22.11 0.90 0.24	23.46 0.78 -3.58	24.35 0.82 -3.93	25.14 0.35 -5.44	27.92 0.39 -8.11	31.41 0.49 -12.15	37.08 0.60 -15.63	45.50 0.57 -22.95	43.38 0.74 -18.88	42.83 0.80 -18.58	34.60 0.73 -11.05	27.92 0.93 -9.00	25.63 0.73 -8.93
UPPER RAQUET___HYD 24056	12.66 -0.51 0.00	12.66 -0.50 0.00	12.67 -0.49 0.00	12.70 -0.45 0.00	12.75 -0.38 0.00	16.93 -0.72 0.00	20.31 -0.96 0.00	21.68 -0.81 0.00	22.64 -1.02 0.00	20.97 -0.90 0.00	20.39 -0.87 0.00	20.49 -0.96 0.00	18.28 -0.82 0.00	18.66 -0.94 0.00	18.44 -0.91 0.00	18.52 -0.91 0.00	17.87 -0.90 0.00	20.05 -0.79 0.00	21.23 -0.75 0.00	22.93 -0.83 0.00	22.63 -0.82 0.00	21.98 -0.84 0.00	17.27 -0.72 0.00	15.35 -0.61 0.00
VALLEY44_115KV_TB2 355964	14.03 -0.51 -1.36	13.80 -0.57 -1.20	13.59 -0.62 -1.05	13.63 -0.60 -1.09	13.64 -0.62 -1.12	17.35 -0.69 -0.38	21.29 -0.60 -0.62	22.82 -0.83 -1.16	23.02 -1.04 -0.41	21.60 -0.28 -0.01	20.95 -0.32 -0.01	21.12 -0.34 -0.01	18.89 -0.76 -0.55	19.48 -0.74 -0.62	19.43 -0.75 -0.84	19.89 -0.78 -1.24	19.81 -0.77 -1.82	22.18 -0.98 -2.32	24.02 -1.27 -3.32	25.10 -1.26 -2.59	24.92 -1.08 -2.55	23.18 -1.14 -1.50	18.47 -0.74 -1.23	16.74 -0.46 -1.24
VALLEY___115KV_TB 1-4 80826	13.17 -0.04 -0.03	13.15 -0.04 -0.03	13.13 -0.05 -0.03	13.11 -0.07 -0.03	13.08 -0.08 -0.03	17.61 -0.05 -0.01	21.15 -0.13 -0.01	22.38 -0.13 -0.03	23.55 -0.12 -0.01	21.70 -0.17 0.00	21.07 -0.19 0.00	21.21 -0.24 0.00	18.86 -0.25 -0.01	19.36 -0.25 -0.01	19.09 -0.27 -0.02	19.20 -0.25 -0.03	18.58 -0.23 -0.04	20.64 -0.25 -0.05	21.83 -0.22 -0.08	23.61 -0.21 -0.06	23.30 -0.21 -0.06	22.68 -0.18 -0.04	17.89 -0.13 -0.03	15.88 -0.11 -0.03
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	17.06 0.49 -3.40	16.65 0.49 -3.00	16.25 0.47 -2.62	16.33 0.46 -2.72	16.39 0.46 -2.80	19.33 0.72 -0.95	23.79 0.98 -1.54	26.44 1.06 -2.90	25.72 1.04 -1.02	22.86 0.96 -0.02	22.20 0.91 -0.02	22.38 0.90 -0.03	21.20 0.73 -1.37	21.92 0.78 -1.54	22.17 0.74 -2.09	23.26 0.76 -3.07	24.01 0.73 -4.51	27.44 0.83 -5.76	31.14 0.90 -8.26	31.30 1.07 -6.47	30.84 1.03 -6.36	27.57 1.00 -3.75	21.78 0.74 -3.06	19.66 0.61 -3.10
VISCHER___FERRY HYD 24020	23.08 0.41 -9.49	21.93 0.41 -8.36	20.87 0.41 -7.30	21.14 0.41 -7.58	21.34 0.41 -7.80	20.89 0.58 -2.66	26.35 0.79 -4.30	31.33 0.77 -8.08	27.40 0.90 -2.84	22.36 0.77 0.28	21.67 0.70 0.29	21.88 0.75 0.32	23.14 0.69 -3.36	23.97 0.70 -3.66	25.11 0.66 -5.10	27.72 0.66 -7.63	30.95 0.67 -11.51	36.45 0.77 -14.83	44.73 0.81 -21.94	42.97 0.90 -18.30	42.38 0.91 -18.02	34.42 0.87 -10.74	27.46 0.72 -8.75	25.15 0.56 -8.63
V_A_10_SYNC_DSASP 323832	13.72 -0.49 -1.03	13.53 -0.54 -0.91	13.44 -0.51 -0.80	13.38 -0.59 -0.83	13.38 -0.60 -0.85	17.20 -0.74 -0.29	21.03 -0.70 -0.47	22.26 -1.12 -0.89	22.65 -1.32 -0.31	20.67 -1.20 0.00	20.05 -1.21 0.00	20.21 -1.24 0.00	18.59 -0.92 -0.41	19.13 -0.92 -0.45	19.03 -0.93 -0.62	19.39 -0.95 -0.91	19.23 -0.88 -1.34	21.39 -1.17 -1.72	23.04 -1.41 -2.48	24.28 -1.45 -1.96	24.04 -1.34 -1.93	22.73 -1.23 -1.14	18.11 -0.81 -0.93	16.47 -0.43 -0.94
V_CMM_10_SYNC_DSASP 323787	13.00 -0.17 0.00	13.00 -0.16 0.00	13.02 -0.14 0.00	13.03 -0.12 0.00	13.06 -0.08 0.00	17.41 -0.25 0.00	20.91 -0.36 0.00	22.17 -0.31 0.00	23.25 -0.40 0.00	21.54 -0.33 0.00	20.96 -0.30 0.00	21.09 -0.36 0.00	18.81 -0.29 0.00	19.25 -0.35 0.00	19.02 -0.33 0.00	19.08 -0.35 0.00	18.43 -0.34 0.00	20.55 -0.29 0.00	21.69 -0.29 0.00	23.39 -0.38 0.00	23.10 -0.35 0.00	22.48 -0.34 0.00	17.72 -0.27 0.00	15.75 -0.21 0.00
V_CMP_10_SYNC_DSASP 323788	13.02 -0.16 0.00	13.03 -0.13 0.00	13.12 -0.04 0.00	13.19 0.04 0.00	13.32 0.18 0.00	17.81 0.16 0.00	21.54 0.28 0.00	23.21 0.72 0.00	24.32 0.66 0.00	22.55 0.68 0.00	21.92 0.66 0.00	21.92 0.47 0.00	19.54 0.44 0.00	19.88 0.27 0.00	19.65 0.31 0.00	19.72 0.29 0.00	18.99 0.23 0.00	21.32 0.48 0.00	22.63 0.66 0.00	24.41 0.64 0.00	24.10 0.66 0.00	23.46 0.64 0.00	18.43 0.45 0.00	16.39 0.43 0.00
V_E_10_SYNC_DSASP 323830	16.08 0.84 -2.06	15.81 0.83 -1.82	15.59 0.84 -1.59	15.57 0.78 -1.65	15.59 0.76 -1.69	19.54 1.31 -0.58	23.71 1.51 -0.93	27.59 2.61 -2.50	26.76 2.22 -0.88	23.67 1.79 0.00	22.67 1.40 0.00	22.65 1.20 0.00	21.12 0.90 -1.12	21.79 0.94 -1.25	21.88 0.83 -1.70	22.88 0.93 -2.51	23.54 1.07 -3.71	27.23 1.65 -4.75	31.17 2.35 -6.84	32.27 3.09 -5.42	31.76 2.98 -5.33	28.68 2.71 -3.15	22.40 1.85 -2.57	20.09 1.55 -2.59
V_F_30_NSYNC___DSASP 323816	23.48 0.55 -9.75	22.30 0.55 -8.58	21.20 0.54 -7.50	21.47 0.54 -7.78	21.68 0.54 -8.01	21.16 0.78 -2.73	26.77 1.08 -4.42	31.89 1.10 -8.30	27.78 1.21 -2.92	22.68 1.03 0.22	21.96 0.93 0.23	22.21 1.01 0.25	23.52 0.88 -3.54	24.41 0.92 -3.89	25.51 0.77 -5.39	28.26 0.80 -8.03	31.67 0.85 -12.05	37.33 0.98 -15.51	45.79 1.01 -22.80	43.72 1.16 -18.79	43.12 1.17 -18.50	34.94 1.12 -11.00	27.92 0.97 -8.97	25.65 0.80 -8.89
V_F_30_SYNC_DSASP 323786	22.83 0.25 -9.40	21.69 0.25 -8.28	20.63 0.24 -7.23	20.89 0.24 -7.51	21.13 0.26 -7.73	20.66 0.37 -2.63	26.04 0.51 -4.26	30.96 0.47 -8.00	27.08 0.61 -2.81	22.17 0.50 0.21	21.51 0.47 0.22	21.77 0.56 0.24	23.04 0.50 -3.44	23.89 0.51 -3.78	25.10 0.52 -5.24	27.75 0.52 -7.80	30.98 0.52 -11.69	36.46 0.58 -15.04	44.66 0.59 -22.09	42.60 0.66 -18.17	41.99 0.66 -17.89	34.07 0.62 -10.64	27.14 0.49 -8.67	24.91 0.35 -8.60
V_XM_10_SYNC_DSASP 323789	13.02 -0.16 0.00	13.03 -0.13 0.00	13.12 -0.04 0.00	13.19 0.04 0.00	13.32 0.18 0.00	17.81 0.16 0.00	21.54 0.28 0.00	23.21 0.72 0.00	24.32 0.66 0.00	22.55 0.68 0.00	21.92 0.66 0.00	21.92 0.47 0.00	19.54 0.44 0.00	19.88 0.27 0.00	19.65 0.31 0.00	19.72 0.29 0.00	18.99 0.23 0.00	21.32 0.48 0.00	22.63 0.66 0.00	24.41 0.64 0.00	24.10 0.66 0.00	23.46 0.64 0.00	18.43 0.45 0.00	16.39 0.43 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	20.77 0.80 -6.79	19.92 0.78 -5.98	19.15 0.76 -5.22	19.35 0.78 -5.42	19.48 0.76 -5.58	20.65 1.09 -1.90	25.62 1.28 -3.07	29.71 1.44 -5.78	27.39 1.70 -2.03	23.56 1.51 -0.18	22.96 1.51 -0.19	23.23 1.57 -0.21	23.54 1.47 -2.97	24.50 1.53 -3.37	25.40 1.53 -4.53	27.59 1.55 -6.61	29.79 1.45 -9.58	34.57 1.54 -12.19	40.79 1.63 -17.19	38.52 1.76 -12.99	37.96 1.74 -12.78	31.90 1.60 -7.48	25.27 1.19 -6.10	23.18 0.94 -6.28



W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	21.18 0.91 -7.10	20.31 0.89 -6.25	19.50 0.88 -5.46	19.70 0.88 -5.67	19.84 0.87 -5.83	20.84 1.20 -1.99	25.89 1.40 -3.22	30.15 1.62 -6.04	27.72 1.94 -2.12	23.82 1.75 -0.20	23.21 1.74 -0.21	23.48 1.80 -0.22	23.90 1.68 -3.11	24.88 1.74 -3.53	25.81 1.72 -4.75	28.09 1.73 -6.93	30.39 1.58 -10.04	35.26 1.65 -12.77	41.81 1.82 -18.01	39.26 1.90 -13.59	38.67 1.85 -13.37	32.40 1.76 -7.82	25.64 1.28 -6.38	23.57 1.04 -6.58
W50THST__13_KV_LOAD 356117	21.26 0.99 -7.10	20.39 0.97 -6.25	19.58 0.96 -5.46	19.78 0.96 -5.67	19.90 0.93 -5.83	20.95 1.31 -1.99	26.01 1.53 -3.22	30.31 1.78 -6.04	27.91 2.13 -2.12	23.97 1.90 -0.20	23.36 1.89 -0.21	23.65 1.97 -0.22	24.03 1.81 -3.11	25.02 1.88 -3.53	25.95 1.86 -4.75	28.23 1.87 -6.93	30.52 1.71 -10.04	35.41 1.79 -12.77	41.96 1.98 -18.01	39.45 2.09 -13.59	38.83 2.02 -13.37	32.54 1.89 -7.82	25.75 1.38 -6.38	23.65 1.12 -6.58
WADING RIVER_IC_1 23522	21.36 1.05 -7.13	21.79 1.12 -7.51	19.99 1.14 -5.68	19.99 1.14 -5.69	21.01 1.09 -6.78	21.35 1.50 -2.20	26.11 1.62 -3.23	30.43 1.89 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.30 1.83 -0.20	23.54 1.87 -0.22	24.24 1.78 -3.37	25.21 1.78 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.78 1.75 -11.26	38.36 1.85 -15.67	45.50 1.89 -21.63	42.99 2.16 -17.06	44.95 2.11 -19.39	35.72 1.98 -10.91	29.11 1.58 -9.54	24.29 1.25 -7.09
WADING RIVER_IC_2 23547	21.36 1.05 -7.13	21.79 1.12 -7.51	19.99 1.14 -5.68	19.99 1.14 -5.69	21.01 1.09 -6.78	21.35 1.50 -2.20	26.11 1.62 -3.23	30.43 1.89 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.30 1.83 -0.20	23.54 1.87 -0.22	24.24 1.78 -3.37	25.21 1.78 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.78 1.75 -11.26	38.36 1.85 -15.67	45.50 1.89 -21.63	42.99 2.16 -17.06	44.95 2.11 -19.39	35.72 1.98 -10.91	29.11 1.58 -9.54	24.29 1.25 -7.09
WADING RIVER_IC_3 23601	21.36 1.05 -7.13	21.79 1.12 -7.51	19.99 1.14 -5.68	19.99 1.14 -5.69	21.01 1.09 -6.78	21.35 1.50 -2.20	26.11 1.62 -3.23	30.43 1.89 -6.06	27.94 2.15 -2.13	24.01 1.95 -0.20	23.30 1.83 -0.20	23.54 1.87 -0.22	24.24 1.78 -3.37	25.21 1.78 -3.82	34.01 1.84 -12.82	30.55 1.87 -9.26	31.78 1.75 -11.26	38.36 1.85 -15.67	45.50 1.89 -21.63	42.99 2.16 -17.06	44.95 2.11 -19.39	35.72 1.98 -10.91	29.11 1.58 -9.54	24.29 1.25 -7.09
WALDENNY_12_KV_BK2 80841	13.89 -0.47 -1.19	13.67 -0.54 -1.05	13.51 -0.57 -0.92	13.52 -0.58 -0.95	13.53 -0.59 -0.98	17.32 -0.67 -0.33	21.19 -0.62 -0.54	22.49 -1.01 -1.02	22.78 -1.23 -0.36	21.05 -0.83 -0.01	20.44 -0.83 -0.01	20.58 -0.88 -0.01	18.78 -0.80 -0.48	19.36 -0.78 -0.54	19.27 -0.81 -0.74	19.70 -0.82 -1.08	19.55 -0.81 -1.59	21.77 -1.10 -2.03	23.50 -1.38 -2.91	24.63 -1.40 -2.27	24.44 -1.24 -2.23	22.97 -1.16 -1.31	18.36 -0.70 -1.07	16.68 -0.37 -1.09
WALDEN__HYDRO 24148	20.80 0.82 -6.81	19.92 0.76 -6.00	19.15 0.75 -5.24	19.35 0.76 -5.44	19.49 0.76 -5.60	20.71 1.15 -1.90	25.67 1.32 -3.09	29.70 1.44 -5.78	27.32 1.63 -2.03	23.42 1.40 -0.15	22.84 1.42 -0.15	23.08 1.46 -0.17	23.63 1.36 -3.17	24.60 1.41 -3.59	25.61 1.43 -4.83	27.95 1.46 -7.06	30.40 1.37 -10.26	35.41 1.50 -13.07	42.04 1.58 -18.48	39.54 1.71 -14.06	39.01 1.74 -13.83	32.48 1.55 -8.10	25.76 1.17 -6.61	23.72 0.97 -6.79
WARRENSBURG____ 23737	23.41 0.45 -9.79	22.22 0.43 -8.62	21.11 0.42 -7.53	21.39 0.42 -7.82	21.61 0.43 -8.04	21.03 0.63 -2.74	26.72 1.02 -4.43	31.88 1.06 -8.33	27.72 1.14 -2.93	22.60 0.94 0.21	21.87 0.83 0.22	22.11 0.90 0.24	23.46 0.78 -3.58	24.35 0.82 -3.93	25.14 0.35 -5.44	27.92 0.39 -8.11	31.41 0.49 -12.15	37.08 0.60 -15.63	45.50 0.57 -22.95	43.38 0.74 -18.88	42.83 0.80 -18.58	34.60 0.73 -11.05	27.92 0.93 -9.00	25.63 0.73 -8.93
WATERSIDE____6 8 9 23538	21.16 0.88 -7.10	20.28 0.87 -6.25	19.48 0.86 -5.46	19.67 0.85 -5.67	19.80 0.83 -5.84	20.77 1.13 -1.99	25.76 1.28 -3.22	30.06 1.53 -6.05	27.63 1.85 -2.13	23.71 1.64 -0.20	23.13 1.66 -0.21	23.41 1.74 -0.22	23.84 1.62 -3.11	24.82 1.69 -3.53	25.78 1.68 -4.75	28.03 1.67 -6.93	30.31 1.50 -10.04	35.16 1.54 -12.78	41.74 1.76 -18.01	39.19 1.83 -13.60	38.58 1.76 -13.37	32.31 1.67 -7.82	25.59 1.22 -6.38	23.51 0.97 -6.58
WATKINRD_115KV_LN8_ILLION 55919	13.18 -0.03 -0.03	13.16 -0.03 -0.03	13.15 -0.04 -0.03	13.14 -0.04 -0.03	13.11 -0.05 -0.03	17.63 -0.04 -0.01	21.22 -0.06 -0.01	22.45 -0.07 -0.03	23.60 -0.07 -0.01	21.78 -0.09 0.00	21.16 -0.11 0.00	21.32 -0.13 0.00	19.00 -0.11 -0.01	19.50 -0.12 -0.01	19.23 -0.14 -0.02	19.34 -0.12 -0.03	18.70 -0.11 -0.04	20.79 -0.10 -0.05	21.96 -0.09 -0.08	23.76 -0.07 -0.06	23.44 -0.07 -0.06	22.79 -0.07 -0.04	17.96 -0.05 -0.03	15.92 -0.06 -0.03
WATSON____69_KV_BK 1 55734	21.57 1.29 -7.10	21.94 1.29 -7.49	20.11 1.29 -5.66	20.11 1.29 -5.67	21.16 1.26 -6.76	21.59 1.75 -2.19	26.53 2.04 -3.22	30.85 2.32 -6.05	28.38 2.60 -2.13	24.43 2.36 -0.20	23.70 2.23 -0.21	23.91 2.23 -0.22	24.28 2.06 -3.12	25.28 2.14 -3.54	33.97 2.19 -12.44	30.35 2.21 -8.70	31.30 2.06 -10.46	37.66 2.17 -14.65	44.43 2.24 -20.21	42.34 2.57 -16.01	44.29 2.49 -18.36	35.53 2.40 -10.31	28.96 1.92 -9.05	24.04 1.50 -6.58
WDELAWARE__HYD 323627	20.26 0.96 -6.12	19.44 0.88 -5.39	18.75 0.88 -4.71	18.92 0.88 -4.89	19.07 0.91 -5.03	20.75 1.38 -1.71	25.53 1.49 -2.77	29.21 1.64 -5.08	27.29 1.85 -1.79	23.48 1.51 -0.10	22.91 1.55 -0.09	23.10 1.55 -0.10	22.98 1.34 -2.54	23.84 1.37 -2.86	24.59 1.37 -3.87	26.53 1.42 -5.68	28.39 1.33 -8.29	32.92 1.50 -10.57	38.58 1.56 -15.04	37.05 1.69 -11.59	36.54 1.69 -11.40	31.02 1.51 -6.70	24.56 1.12 -5.46	22.46 0.93 -5.58
WEST BABYLON__IC 23714	21.52 1.24 -7.10	21.90 1.25 -7.49	20.06 1.24 -5.66	20.04 1.22 -5.67	21.11 1.21 -6.76	21.52 1.68 -2.19	26.44 1.96 -3.22	30.76 2.23 -6.05	28.29 2.51 -2.13	24.34 2.27 -0.20	23.62 2.15 -0.21	23.84 2.17 -0.22	24.22 2.01 -3.12	25.22 2.08 -3.54	33.91 2.13 -12.44	30.27 2.14 -8.70	31.20 1.97 -10.46	37.58 2.08 -14.65	44.34 2.15 -20.21	42.22 2.45 -16.01	44.20 2.39 -18.36	35.44 2.30 -10.31	28.87 1.83 -9.05	23.99 1.45 -6.58
WEST CANADA__HYD 24049	13.16 -0.01 0.00	13.15 -0.01 0.00	13.15 -0.01 0.00	13.12 -0.03 0.00	13.11 -0.03 0.00	17.64 -0.02 0.00	21.27 0.00 0.00	22.49 0.00 0.00	23.66 0.00 0.00	21.87 0.00 0.00	21.24 -0.02 0.00	21.45 0.00 0.00	19.08 -0.02 0.00	19.60 0.00 0.00	19.34 0.00 0.00	19.43 0.00 0.00	18.77 0.00 0.00	20.84 0.00 0.00	21.97 0.00 0.00	23.77 0.00 0.00	23.45 0.00 0.00	22.82 0.00 0.00	17.99 0.00 0.00	15.94 -0.02 0.00
WESTERN_NY_WIND 24143	13.99 -0.24 -1.05	13.77 -0.32 -0.93	13.71 -0.26 -0.81	13.62 -0.37 -0.84	13.62 -0.38 -0.86	17.60 -0.35 -0.29	21.55 -0.19 -0.48	22.79 -0.61 -0.91	23.34 -0.64 -0.32	21.37 -0.50 0.00	20.22 -1.04 0.00	20.34 -1.12 0.00	18.62 -0.88 -0.40	19.17 -0.88 -0.45	19.01 -0.95 -0.61	19.38 -0.95 -0.90	19.21 -0.88 -1.33	21.41 -1.13 -1.70	23.14 -1.28 -2.44	24.49 -1.21 -1.94	24.23 -1.13 -1.91	22.90 -1.05 -1.12	18.13 -0.77 -0.92	16.55 -0.34 -0.93



WESTOVER___LESR 323668	15.51 0.08 -2.25	15.20 0.05 -1.98	14.92 0.03 -1.73	14.97 0.03 -1.80	15.00 0.01 -1.85	18.41 0.12 -0.63	22.52 0.23 -1.02	24.56 0.16 -1.92	24.45 0.12 -0.67	22.09 0.20 -0.02	21.45 0.17 -0.02	21.62 0.15 -0.02	20.09 0.08 -0.92	20.73 0.10 -1.03	20.84 0.10 -1.40	21.58 0.10 -2.05	21.89 0.11 -3.01	24.77 0.08 -3.84	27.51 0.04 -5.49	28.17 0.12 -4.28	27.80 0.14 -4.21	25.44 0.14 -2.48	20.11 0.11 -2.02	18.14 0.13 -2.05
WETHRSFD_WT_PWR 323626	14.19 -0.33 -1.35	13.97 -0.38 -1.19	13.84 -0.35 -1.04	13.80 -0.42 -1.08	13.80 -0.45 -1.11	17.57 -0.46 -0.38	21.52 -0.36 -0.61	22.96 -0.70 -1.17	23.19 -0.87 -0.41	21.30 -0.57 0.00	20.67 -0.60 0.00	20.83 -0.62 0.00	19.04 -0.59 -0.53	19.60 -0.59 -0.59	19.55 -0.60 -0.80	20.01 -0.60 -1.19	19.94 -0.58 -1.75	22.27 -0.81 -2.24	24.19 -1.01 -3.23	25.33 -1.00 -2.56	25.07 -0.89 -2.52	23.46 -0.84 -1.49	18.67 -0.52 -1.21	16.96 -0.22 -1.22
WHAVSTOR_138KV_BK127 55557	20.73 0.76 -6.79	19.88 0.74 -5.98	19.11 0.72 -5.22	19.31 0.74 -5.43	19.44 0.72 -5.58	20.58 1.02 -1.90	25.54 1.19 -3.08	29.62 1.35 -5.78	27.30 1.61 -2.03	23.48 1.42 -0.18	22.88 1.42 -0.19	23.14 1.48 -0.21	23.47 1.39 -2.97	24.43 1.45 -3.37	25.35 1.47 -4.53	27.52 1.48 -6.62	29.73 1.37 -9.59	34.48 1.44 -12.20	40.72 1.54 -17.21	38.41 1.64 -13.00	37.86 1.62 -12.79	31.81 1.51 -7.48	25.20 1.12 -6.10	23.12 0.88 -6.29
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	20.73 0.76 -6.79	19.88 0.74 -5.98	19.11 0.72 -5.22	19.31 0.74 -5.43	19.44 0.72 -5.58	20.58 1.02 -1.90	25.54 1.19 -3.08	29.62 1.35 -5.78	27.30 1.61 -2.03	23.48 1.42 -0.18	22.88 1.42 -0.19	23.14 1.48 -0.21	23.47 1.39 -2.97	24.43 1.45 -3.37	25.35 1.47 -4.53	27.52 1.48 -6.62	29.73 1.37 -9.59	34.48 1.44 -12.20	40.72 1.54 -17.21	38.41 1.64 -13.00	37.86 1.62 -12.79	31.81 1.51 -7.48	25.20 1.12 -6.10	23.12 0.88 -6.29
WHITEHAL_115KV_TB1 80871	23.76 0.74 -9.84	22.55 0.72 -8.67	21.42 0.68 -7.57	21.71 0.70 -7.86	21.93 0.71 -8.09	21.43 1.02 -2.75	27.30 1.57 -4.46	32.53 1.66 -8.38	28.33 1.73 -2.95	23.20 1.49 0.16	22.44 1.34 0.16	22.71 1.44 0.18	23.87 1.18 -3.59	24.81 1.25 -3.95	25.61 0.81 -5.46	28.43 0.89 -8.11	31.91 1.03 -12.11	37.63 1.23 -15.56	45.93 1.21 -22.75	43.80 1.47 -18.56	43.33 1.62 -18.27	35.15 1.48 -10.84	28.24 1.42 -8.84	25.91 1.15 -8.80
WHITEPLN_13_KV_LOAD 356215	21.17 0.90 -7.10	20.28 0.87 -6.25	19.46 0.84 -5.46	19.67 0.85 -5.67	19.81 0.84 -5.83	20.81 1.17 -1.98	25.80 1.32 -3.21	30.04 1.51 -6.04	27.58 1.80 -2.12	23.68 1.62 -0.19	23.08 1.62 -0.20	23.35 1.67 -0.22	23.78 1.57 -3.11	24.76 1.63 -3.53	25.73 1.64 -4.74	28.00 1.65 -6.92	30.32 1.52 -10.03	35.23 1.63 -12.76	41.72 1.76 -17.99	39.20 1.85 -13.58	38.64 1.83 -13.36	32.35 1.71 -7.82	25.62 1.26 -6.37	23.53 1.01 -6.57
WM_FLOYD_69_KV_BK2 356380	21.45 1.17 -7.10	21.86 1.21 -7.49	20.04 1.22 -5.66	20.04 1.22 -5.67	21.09 1.20 -6.76	21.49 1.64 -2.19	26.31 1.83 -3.22	30.63 2.09 -6.05	28.15 2.37 -2.13	24.23 2.17 -0.20	23.51 2.04 -0.21	23.71 2.04 -0.22	24.11 1.89 -3.12	25.12 1.98 -3.54	33.80 2.01 -12.44	30.17 2.04 -8.70	31.15 1.91 -10.46	37.54 2.04 -14.65	44.27 2.09 -20.21	42.18 2.40 -16.01	44.13 2.32 -18.36	35.35 2.21 -10.31	28.80 1.76 -9.05	23.89 1.36 -6.58
WOODARD__115KV_TB2 355635	13.65 -0.24 -0.71	13.53 -0.26 -0.63	13.43 -0.28 -0.55	13.43 -0.29 -0.57	13.42 -0.30 -0.59	17.55 -0.30 -0.20	21.29 -0.30 -0.32	22.74 -0.36 -0.61	23.44 -0.43 -0.21	21.48 -0.39 -0.01	20.89 -0.38 -0.01	21.09 -0.36 -0.01	19.08 -0.31 -0.29	19.63 -0.29 -0.32	19.49 -0.29 -0.44	19.78 -0.29 -0.65	19.43 -0.28 -0.95	21.70 -0.35 -1.21	23.31 -0.40 -1.73	24.77 -0.36 -1.36	24.41 -0.38 -1.33	23.26 -0.34 -0.79	18.34 -0.29 -0.64	16.35 -0.26 -0.65
YORK___WARBASSE 23770	21.24 0.96 -7.10	20.35 0.93 -6.25	19.53 0.91 -5.46	19.73 0.91 -5.67	19.86 0.89 -5.84	20.82 1.18 -1.99	25.82 1.34 -3.22	30.15 1.62 -6.05	27.70 1.92 -2.13	23.77 1.71 -0.20	23.19 1.72 -0.21	23.50 1.82 -0.22	23.92 1.70 -3.11	24.94 1.80 -3.53	25.89 1.80 -4.75	28.17 1.81 -6.93	30.39 1.58 -10.04	35.24 1.63 -12.78	41.87 1.89 -18.01	39.31 1.95 -13.60	38.70 1.88 -13.37	32.45 1.80 -7.82	25.69 1.33 -6.38	23.62 1.09 -6.58