

# Day Ahead Market Generator LBMP

		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion												
Generator Data																									05/09/2023									
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		21.33	19.93	19.10	19.12	20.05	21.30	25.38	31.67	28.92	24.10	23.64	25.41	25.65	26.12	27.10	27.33	27.98	33.01	37.78	35.14	34.58	30.66	24.03	22.68									
24138		1.18	1.14	1.05	1.08	1.00	1.12	1.58	1.48	1.75	1.78	1.70	1.70	1.67	1.58	1.59	1.57	1.73	1.69	1.85	2.03	2.19	1.94	1.80	1.28									
		-4.85	-4.03	-4.21	-3.60	-5.92	-4.98	-3.07	-11.22	-7.25	-3.19	-4.17	-6.19	-6.71	-8.27	-9.28	-9.56	-7.82	-12.58	-15.58	-10.27	-7.18	-6.11	-0.77	-5.59									
74TH STREET_GT_1		21.29	19.87	19.06	19.06	20.00	21.24	25.28	31.57	28.82	24.01	23.55	25.32	25.56	26.04	27.02	27.27	27.89	32.93	37.70	35.07	34.48	30.57	23.94	22.61									
24260		1.13	1.08	1.01	1.02	0.95	1.06	1.47	1.38	1.65	1.68	1.62	1.61	1.59	1.50	1.51	1.51	1.64	1.61	1.77	1.96	2.09	1.85	1.72	1.22									
		-4.85	-4.04	-4.21	-3.60	-5.92	-4.98	-3.07	-11.22	-7.25	-3.19	-4.17	-6.19	-6.71	-8.27	-9.29	-9.56	-7.82	-12.59	-15.58	-10.27	-7.18	-6.11	-0.77	-5.59									
74TH STREET_GT_2		21.29	19.87	19.06	19.06	20.00	21.24	25.28	31.57	28.82	24.01	23.55	25.32	25.56	26.04	27.02	27.27	27.89	32.93	37.70	35.07	34.48	30.57	23.94	22.61									
24261		1.13	1.08	1.01	1.02	0.95	1.06	1.47	1.38	1.65	1.68	1.62	1.61	1.59	1.50	1.51	1.51	1.64	1.61	1.77	1.96	2.09	1.85	1.72	1.22									
		-4.85	-4.04	-4.21	-3.60	-5.92	-4.98	-3.07	-11.22	-7.25	-3.19	-4.17	-6.19	-6.71	-8.27	-9.29	-9.56	-7.82	-12.59	-15.58	-10.27	-7.18	-6.11	-0.77	-5.59									
ADK HUDSON___FALLS		22.28	20.63	19.91	19.74	21.39	22.37	25.86	33.92	29.93	23.50	23.66	25.59	25.97	26.76	27.80	28.00	28.45	34.63	40.48	37.40	36.03	31.85	23.62	23.82									
24011		0.64	0.61	0.58	0.61	0.53	0.67	1.12	0.93	0.96	0.96	0.83	0.84	0.79	0.72	0.70	0.68	0.87	0.96	1.04	1.19	1.46	1.29	1.16	0.73									
		-6.33	-5.27	-5.49	-4.70	-7.72	-6.50	-4.00	-14.02	-9.06	-3.41	-5.07	-7.23	-7.91	-9.77	-10.88	-11.11	-9.15	-14.93	-19.10	-13.38	-9.36	-7.96	-1.01	-7.29									
ADK RESOURCE___RCVRY		22.45	20.70	19.98	19.81	21.46	22.46	25.99	34.47	30.32	23.68	23.89	25.88	26.26	27.09	27.80	28.01	28.37	34.71	40.12	37.05	35.65	31.51	23.73	23.93									
23798		0.80	0.66	0.64	0.66	0.58	0.74	1.24	1.06	1.07	1.07	0.92	0.95	0.88	0.80	0.42	0.41	0.55	0.64	0.71	0.80	1.06	0.93	1.27	0.82									
		-6.35	-5.28	-5.51	-4.71	-7.74	-6.52	-4.01	-14.44	-9.34	-3.48	-5.21	-7.41	-8.12	-10.03	-11.16	-11.40	-9.39	-15.33	-19.06	-13.42	-9.39	-7.98	-1.01	-7.31									
ADK S GLENS___FALLS		22.28	20.63	19.91	19.74	21.39	22.37	25.86	33.92	29.93	23.50	23.66	25.59	25.97	26.76	27.80	28.00	28.45	34.63	40.48	37.40	36.03	31.85	23.62	23.82									
24028		0.64	0.61	0.58	0.61	0.53	0.67	1.12	0.93	0.96	0.96	0.83	0.84	0.79	0.72	0.70	0.68	0.87	0.96	1.04	1.19	1.46	1.29	1.16	0.73									
		-6.33	-5.27	-5.49	-4.70	-7.72	-6.50	-4.00	-14.02	-9.06	-3.41	-5.07	-7.23	-7.91	-9.77	-10.88	-11.11	-9.15	-14.93	-19.10	-13.38	-9.36	-7.96	-1.01	-7.29									
ADK_NYS___DAM		22.03	20.42	19.68	19.54	21.09	22.06	25.53	33.63	29.80	22.99	23.41	25.08	25.51	26.25	27.22	27.34	27.92	33.84	38.85	36.74	35.37	31.32	23.47	23.43									
23527		0.66	0.62	0.58	0.61	0.55	0.64	0.95	0.82	0.94	0.82	0.73	0.72	0.71	0.67	0.68	0.65	0.81	0.82	0.92	1.07	1.19	1.08	1.05	0.63									
		-6.07	-5.05	-5.26	-4.50	-7.40	-6.23	-3.83	-13.84	-8.95	-3.04	-4.92	-6.84	-7.53	-9.31	-10.32	-10.49	-8.67	-14.28	-17.59	-12.83	-8.98	-7.63	-0.97	-6.99									
AIR_PRODUCTS___DRP		21.54	19.97	19.28	19.14	20.71	21.62	24.82	32.54	28.82	22.58	22.80	24.61	25.01	25.77	26.78	26.97	27.38	33.22	38.81	35.93	34.48	30.50	22.67	22.88									
24190		0.17	0.16	0.18	0.20	0.17	0.20	0.25	0.13	0.22	0.21	0.20	0.19	0.19	0.18	0.18	0.16	0.22	0.22	0.24	0.27	0.30	0.27	0.26	0.09									
		-6.07	-5.05	-5.26	-4.50	-7.40	-6.23	-3.83	-13.44	-8.69	-3.24	-4.85	-6.89	-7.55	-9.33	-10.38	-10.60	-8.73	-14.26	-18.22	-12.82	-8.97	-7.63	-0.96	-6.98									
AKWESSNE_115KV_BK		15.16	14.66	13.73	14.35	13.09	15.10	20.46	18.83	19.69	18.93	17.58	17.36	17.09	16.13	16.12	16.12	18.27	18.62	20.22	22.61	24.89	22.25	21.13	15.63									
355683		-0.17	-0.12	-0.12	-0.10	-0.08	-0.12	-0.29	-0.19	-0.26	-0.21	-0.20	-0.19	-0.21	-0.18	-0.15	-0.13	-0.20	-0.17	-0.20	-0.27	-0.35	-0.38	-0.32	-0.21									
		-0.02	-0.02	-0.02	-0.02	-0.03	-0.02	-0.01	-0.05	-0.03	-0.01	-0.02	-0.03	-0.03	-0.04	-0.04	-0.04	-0.03	-0.06	-0.07	-0.05	-0.03	-0.03	0.00	-0.03									
ALBANY___1		21.54	19.97	19.28	19.14	20.71	21.62	24.82	32.54	28.82	22.58	22.80	24.61	25.01	25.77	26.78	26.97	27.38	33.22	38.81	35.93	34.48	30.50	22.67	22.88									
23571		0.17	0.16	0.18	0.20	0.17	0.20	0.25	0.13	0.22	0.21	0.20	0.19	0.19	0.18	0.18	0.16	0.22	0.22	0.24	0.27	0.30	0.27	0.26	0.09									
		-6.07	-5.05	-5.26	-4.50	-7.40	-6.23	-3.83	-13.44	-8.69	-3.24	-4.85	-6.89	-7.55	-9.33	-10.38	-10.60	-8.73	-14.26	-18.22	-12.82	-8.97	-7.63	-0.96	-6.98									
ALBANY___2		21.54	19.97	19.28	19.14	20.71	21.62	24.82	32.54	28.82	22.58	22.80	24.61	25.01	25.77	26.78	26.97	27.38	33.22	38.81	35.93	34.48	30.50	22.67	22.88									
23572		0.17	0.16	0.18	0.20	0.17	0.20	0.25	0.13	0.22	0.21	0.20	0.19	0.19	0.18	0.18	0.16	0.22	0.22	0.24	0.27	0.30	0.27	0.26	0.09									
		-6.07	-5.05	-5.26	-4.50	-7.40	-6.23	-3.83	-13.44	-8.69	-3.24	-4.85	-6.89	-7.55	-9.33	-10.38	-10.60	-8.73	-14.26	-18.22	-12.82	-8.97	-7.63	-0.96	-6.98									
ALBANY___3		21.54	19.97	19.28	19.14	20.71	21.62	24.82	32.54	28.82	22.58	22.80	24.61	25.01	25.77	26.78	26.97	27.38	33.22	38.81	35.93	34.48	30.50	22.67	22.88									
23573		0.17	0.16	0.18	0.20	0.17	0.20	0.25	0.13	0.22	0.21	0.20	0.19	0.19	0.18	0.18	0.16	0.22	0.22	0.24	0.27	0.30	0.27	0.26	0.09									
		-6.07	-5.05	-5.26	-4.50	-7.40	-6.23	-3.83	-13.44	-8.69	-3.24	-4.85	-6.89	-7.55	-9.33	-10.38	-10.60	-8.73	-14.26	-18.22	-12.82	-8.97	-7.63	-0.96	-6.98									

ALBANY___4 23574	21.54 0.17 -6.07	19.97 0.16 -5.05	19.28 0.18 -5.26	19.14 0.20 -4.50	20.71 0.17 -7.40	21.62 0.20 -6.23	24.82 0.25 -3.83	32.54 0.13 -13.44	28.82 0.22 -8.69	22.58 0.21 -3.24	22.80 0.20 -4.85	24.61 0.19 -6.89	25.01 0.19 -7.55	25.77 0.18 -9.33	26.78 0.18 -10.38	26.97 0.16 -10.60	27.38 0.22 -8.73	33.22 0.22 -14.26	38.81 0.24 -18.22	35.93 0.27 -12.82	34.48 0.30 -8.97	30.50 0.27 -7.63	22.67 0.26 -0.96	22.88 0.09 -6.98
ALBANY___LFGE 323615	21.75 0.32 -6.12	20.14 0.30 -5.09	19.44 0.29 -5.31	19.29 0.32 -4.54	20.88 0.28 -7.47	21.82 0.33 -6.28	25.04 0.44 -3.87	33.26 0.32 -13.97	29.36 0.42 -9.03	22.90 0.40 -3.37	23.16 0.35 -5.04	25.04 0.35 -7.17	25.48 0.36 -7.85	26.30 0.33 -9.70	27.36 0.34 -10.80	27.56 0.32 -11.03	27.92 0.41 -9.08	34.00 0.43 -14.83	39.18 0.45 -18.39	36.29 0.50 -12.95	34.85 0.58 -9.06	30.83 0.52 -7.70	22.90 0.47 -0.97	23.11 0.25 -7.05
ALCOA_PA_115KV_PL-6C 55860	15.32 -0.02 -0.03	14.81 0.03 -0.03	13.87 0.00 -0.03	14.51 0.06 -0.03	13.23 0.05 -0.04	15.28 0.05 -0.03	20.57 -0.19 -0.02	18.95 -0.09 -0.08	19.74 -0.22 -0.05	19.02 -0.13 -0.02	17.66 -0.12 -0.03	17.44 -0.12 -0.04	17.15 -0.16 -0.04	16.21 -0.11 -0.05	16.18 -0.10 -0.06	16.20 -0.06 -0.06	18.30 -0.18 -0.05	18.67 -0.15 -0.08	20.29 -0.16 -0.10	22.66 -0.25 -0.07	24.93 -0.33 -0.05	22.28 -0.36 -0.04	21.14 -0.32 -0.01	15.70 -0.14 -0.04
ALCOA_RYNLDS___DRP 24188	15.32 -0.02 -0.03	14.81 0.03 -0.03	13.87 0.00 -0.03	14.51 0.06 -0.03	13.23 0.05 -0.04	15.28 0.05 -0.03	20.57 -0.19 -0.02	18.95 -0.09 -0.08	19.74 -0.22 -0.05	19.02 -0.13 -0.02	17.66 -0.12 -0.03	17.44 -0.12 -0.04	17.15 -0.16 -0.04	16.21 -0.11 -0.05	16.18 -0.10 -0.06	16.20 -0.06 -0.06	18.30 -0.18 -0.05	18.67 -0.15 -0.08	20.29 -0.16 -0.10	22.66 -0.25 -0.07	24.93 -0.33 -0.05	22.28 -0.36 -0.04	21.14 -0.32 -0.01	15.70 -0.14 -0.04
ALCOA___DSASP 323711	15.27 -0.03 0.00	14.79 0.03 0.00	13.84 0.00 0.00	14.49 0.06 0.00	13.19 0.05 0.00	15.24 0.05 0.00	20.55 -0.19 0.00	18.87 -0.09 0.00	19.69 -0.22 0.00	19.00 -0.13 0.00	17.63 -0.12 0.00	17.40 -0.12 0.00	17.11 -0.16 0.00	16.16 -0.11 0.00	16.11 -0.11 0.00	16.09 -0.11 0.00	18.25 -0.18 0.00	18.61 -0.13 0.00	20.14 -0.20 0.00	22.59 -0.25 0.00	24.91 -0.30 0.00	22.24 -0.36 0.00	21.13 -0.32 0.00	15.66 -0.14 0.00
ALLEGHENY___COGEN 23514	16.42 0.32 -0.80	15.60 0.18 -0.67	14.75 0.22 -0.69	15.24 0.22 -0.59	14.23 0.12 -0.98	16.23 0.21 -0.82	21.80 0.56 -0.51	19.66 0.23 -0.47	20.10 -0.12 -0.30	18.91 -0.34 -0.12	17.57 -0.35 -0.17	17.42 -0.35 -0.25	17.14 -0.40 -0.27	16.17 -0.44 -0.33	16.12 -0.47 -0.37	16.17 -0.42 -0.38	18.31 -0.44 -0.31	18.87 -0.37 -0.51	22.66 -0.16 -2.47	24.51 0.00 -1.68	26.43 0.05 -1.17	23.80 0.20 -1.00	21.81 0.24 -0.13	17.03 0.32 -0.91
ALTAMONT_115KV_TB 2 55880	21.76 0.41 -6.05	20.18 0.40 -5.03	19.46 0.37 -5.25	19.31 0.39 -4.49	20.87 0.35 -7.38	21.81 0.41 -6.21	25.12 0.56 -3.82	32.87 0.51 -13.39	29.17 0.60 -8.66	23.07 0.57 -3.36	23.16 0.53 -4.87	25.04 0.53 -6.99	25.42 0.52 -7.64	26.19 0.49 -9.43	27.21 0.47 -10.52	27.43 0.47 -10.76	27.85 0.57 -8.85	33.72 0.58 -14.40	39.41 0.61 -18.45	36.32 0.71 -12.78	34.93 0.78 -8.94	30.90 0.70 -7.60	23.08 0.66 -0.96	23.19 0.43 -6.96
ALTONA_WT_PWR 323606	15.72 0.41 0.00	15.13 0.37 0.00	14.14 0.30 0.00	14.84 0.40 0.00	13.53 0.39 0.00	15.73 0.53 0.00	21.55 0.81 0.00	19.80 0.83 0.00	20.65 0.74 0.00	19.93 0.80 0.00	18.47 0.71 0.00	18.19 0.67 0.00	17.87 0.60 0.00	16.86 0.58 0.00	16.82 0.60 0.00	16.81 0.60 0.00	19.17 0.74 0.00	19.62 0.88 0.00	21.24 0.89 0.00	23.89 1.05 0.00	26.24 1.03 0.00	23.33 0.72 0.00	22.05 0.60 0.00	16.20 0.40 0.00
AMERICAN_REF_FUEL 24010	15.19 -0.84 -0.72	14.47 -0.88 -0.60	13.75 -0.72 -0.63	14.19 -0.78 -0.54	13.24 -0.78 -0.88	14.97 -0.97 -0.74	20.06 -1.14 -0.46	18.01 -1.38 -0.42	18.53 -1.65 -0.27	17.63 -1.61 -0.11	16.44 -1.47 -0.16	16.29 -1.45 -0.22	16.03 -1.48 -0.24	15.11 -1.46 -0.30	15.02 -1.54 -0.34	15.01 -1.54 -0.35	16.99 -1.73 -0.28	17.36 -1.84 -0.46	20.61 -1.97 -2.24	22.21 -2.15 -1.52	23.75 -2.52 -1.06	21.52 -1.99 -0.90	19.85 -1.72 -0.11	15.68 -0.95 -0.83
ARKWRIGHT___SUMMIT_WT_PWR 323751	15.90 -0.21 -0.81	15.12 -0.31 -0.67	14.35 -0.19 -0.70	14.79 -0.25 -0.60	13.84 -0.29 -0.99	15.65 -0.38 -0.83	21.21 -0.04 -0.51	19.31 -0.13 -0.48	19.84 -0.38 -0.31	18.91 -0.34 -0.12	17.58 -0.35 -0.17	17.42 -0.35 -0.25	17.02 -0.52 -0.27	16.02 -0.59 -0.34	15.89 -0.71 -0.38	15.86 -0.73 -0.39	17.92 -0.83 -0.32	18.37 -0.88 -0.52	21.84 -1.02 -2.51	23.46 -1.07 -1.70	25.19 -1.21 -1.19	22.87 -0.75 -1.01	20.96 -0.62 -0.13	16.52 -0.21 -0.92
ARTHUR_KILL_GT_1 23520	21.47 1.32 -4.85	20.03 1.24 -4.04	19.17 1.12 -4.21	19.16 1.13 -3.60	20.09 1.04 -5.92	21.23 1.05 -4.98	25.21 1.41 -3.07	31.28 1.10 -11.21	28.70 1.53 -7.25	23.95 1.63 -3.19	23.51 1.58 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.10 1.55 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.95 1.69 -7.83	32.90 1.57 -12.59	37.63 1.71 -15.58	35.04 1.94 -10.26	34.32 1.94 -7.18	30.55 1.83 -6.12	24.01 1.78 -0.78	22.73 1.33 -5.60
ARTHUR_KILL_2 23512	21.42 1.27 -4.85	19.99 1.19 -4.04	19.13 1.08 -4.21	19.12 1.08 -3.60	20.05 1.00 -5.92	21.18 1.00 -4.98	25.15 1.35 -3.07	31.22 1.04 -11.21	28.64 1.47 -7.25	23.89 1.57 -3.19	23.46 1.53 -4.17	25.27 1.56 -6.19	25.53 1.55 -6.71	26.05 1.50 -8.28	27.01 1.49 -9.29	27.26 1.49 -9.56	27.90 1.64 -7.83	32.84 1.52 -12.59	37.57 1.65 -15.58	34.95 1.85 -10.26	34.25 1.87 -7.18	30.48 1.76 -6.12	23.95 1.72 -0.78	22.69 1.28 -5.60
ARTHUR_KILL_3 23513	21.18 1.03 -4.85	19.78 0.99 -4.04	18.97 0.93 -4.21	18.98 0.95 -3.60	19.92 0.87 -5.92	21.15 0.97 -4.98	25.11 1.31 -3.07	31.42 1.23 -11.22	28.66 1.49 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.21 1.51 -6.19	25.44 1.47 -6.71	25.91 1.37 -8.27	26.88 1.38 -9.28	27.12 1.36 -9.56	27.74 1.49 -7.82	32.77 1.44 -12.59	37.50 1.57 -15.58	34.82 1.71 -10.27	34.23 1.84 -7.18	30.38 1.67 -6.11	23.77 1.55 -0.77	22.52 1.12 -5.59
ARTHUR_KILL_COGEN 323718	21.47 1.32 -4.85	20.03 1.24 -4.04	19.17 1.12 -4.21	19.16 1.13 -3.60	20.09 1.04 -5.92	21.23 1.05 -4.98	25.21 1.41 -3.07	31.28 1.10 -11.21	28.70 1.53 -7.25	23.95 1.63 -3.19	23.51 1.58 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.10 1.55 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.95 1.69 -7.83	32.90 1.57 -12.59	37.63 1.71 -15.58	35.04 1.94 -10.26	34.32 1.94 -7.18	30.55 1.83 -6.12	24.01 1.78 -0.78	22.73 1.33 -5.60
ASHOKAN____ 23654	20.72 0.11 -5.31	19.33 0.16 -4.41	18.58 0.14 -4.60	18.43 0.06 -3.94	19.80 0.20 -6.47	20.90 0.26 -5.44	24.34 0.25 -3.35	31.41 0.27 -12.18	28.20 0.42 -7.87	23.30 1.01 -3.16	22.55 0.34 -4.45	24.27 0.30 -6.45	24.59 0.29 -7.03	25.23 0.28 -8.68	26.22 0.31 -9.69	26.56 0.42 -9.93	27.07 0.48 -8.16	32.43 0.45 -13.24	37.31 0.57 -16.40	34.68 0.59 -11.25	33.78 0.70 -7.87	29.84 0.54 -6.69	22.70 0.41 -0.85	22.14 0.20 -6.13

ASTORIA_EAST_ENERGY_CC1 323581	21.23 1.07 -4.85	19.80 1.00 -4.04	18.94 0.90 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.96 1.16 -3.06	31.28 1.10 -11.21	28.53 1.37 -7.24	23.79 1.47 -3.18	23.34 1.42 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.85 1.32 -8.27	26.85 1.35 -9.28	27.08 1.33 -9.55	27.68 1.44 -7.81	32.68 1.37 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.12 1.74 -7.18	30.24 1.54 -6.10	23.65 1.44 -0.76	22.46 1.06 -5.59
ASTORIA_EAST_ENERGY_CC2 323582	21.23 1.07 -4.85	19.80 1.00 -4.04	18.94 0.90 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.96 1.16 -3.06	31.28 1.10 -11.21	28.53 1.37 -7.24	23.79 1.47 -3.18	23.34 1.42 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.85 1.32 -8.27	26.85 1.35 -9.28	27.08 1.33 -9.55	27.68 1.44 -7.81	32.68 1.37 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.12 1.74 -7.18	30.24 1.54 -6.10	23.65 1.44 -0.76	22.46 1.06 -5.59
ASTORIA_GT2_1 24094	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT2_2 24095	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT2_3 24096	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT2_4 24097	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT3_1 24098	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT3_2 24099	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT3_3 24100	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT3_4 24101	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT4_1 24102	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT4_2 24103	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT4_3 24104	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT4_4 24105	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA_GT_1 23523	21.26 1.10 -4.85	19.81 1.02 -4.04	18.97 0.93 -4.21	18.97 0.94 -3.60	19.91 0.85 -5.92	21.05 0.88 -4.97	25.00 1.20 -3.06	31.32 1.14 -11.21	28.59 1.43 -7.24	23.82 1.51 -3.18	23.38 1.46 -4.17	25.15 1.45 -6.18	25.40 1.43 -6.70	25.90 1.37 -8.27	26.88 1.38 -9.28	27.13 1.38 -9.55	27.72 1.48 -7.81	32.74 1.42 -12.58	37.49 1.57 -15.58	34.81 1.71 -10.26	34.20 1.82 -7.18	30.29 1.58 -6.10	23.70 1.48 -0.76	22.49 1.09 -5.59

ASTORIA_GT_10 24110	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.14 0.96 -4.98	25.11 1.31 -3.07	31.40 1.22 -11.22	28.68 1.51 -7.25	23.89 1.57 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.91 1.80 -10.27	34.31 1.91 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
ASTORIA_GT_11 24225	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.14 0.96 -4.98	25.11 1.31 -3.07	31.40 1.22 -11.22	28.68 1.51 -7.25	23.89 1.57 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.91 1.80 -10.27	34.31 1.91 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
ASTORIA_GT_12 24226	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.14 0.96 -4.98	25.11 1.31 -3.07	31.40 1.22 -11.22	28.68 1.51 -7.25	23.89 1.57 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.91 1.80 -10.27	34.31 1.91 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
ASTORIA_GT_13 24227	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.14 0.96 -4.98	25.11 1.31 -3.07	31.40 1.22 -11.22	28.68 1.51 -7.25	23.89 1.57 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.91 1.80 -10.27	34.31 1.91 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
ASTORIA_GT_5 24106	21.26 1.10 -4.85	19.81 1.02 -4.04	18.97 0.93 -4.21	18.97 0.94 -3.60	19.91 0.85 -5.92	21.05 0.88 -4.97	25.00 1.20 -3.06	31.32 1.14 -11.21	28.59 1.43 -7.24	23.82 1.51 -3.18	23.38 1.46 -4.17	25.15 1.45 -6.18	25.40 1.43 -6.70	25.90 1.37 -8.27	26.88 1.38 -9.28	27.13 1.38 -9.55	27.72 1.48 -7.81	32.74 1.42 -12.58	37.49 1.57 -15.58	34.81 1.71 -10.26	34.20 1.82 -7.18	30.29 1.58 -6.10	23.70 1.48 -0.76	22.49 1.09 -5.59
ASTORIA_GT_7 24107	21.26 1.10 -4.85	19.81 1.02 -4.04	18.97 0.93 -4.21	18.97 0.94 -3.60	19.91 0.85 -5.92	21.05 0.88 -4.97	25.00 1.20 -3.06	31.32 1.14 -11.21	28.59 1.43 -7.24	23.82 1.51 -3.18	23.38 1.46 -4.17	25.15 1.45 -6.18	25.40 1.43 -6.70	25.90 1.37 -8.27	26.88 1.38 -9.28	27.13 1.38 -9.55	27.72 1.48 -7.81	32.74 1.42 -12.58	37.49 1.57 -15.58	34.81 1.71 -10.26	34.20 1.82 -7.18	30.29 1.58 -6.10	23.70 1.48 -0.76	22.49 1.09 -5.59
ASTORIA_GT_8 24108	21.26 1.10 -4.85	19.81 1.02 -4.04	18.97 0.93 -4.21	18.97 0.94 -3.60	19.91 0.85 -5.92	21.05 0.88 -4.97	25.00 1.20 -3.06	31.32 1.14 -11.21	28.59 1.43 -7.24	23.82 1.51 -3.18	23.38 1.46 -4.17	25.15 1.45 -6.18	25.40 1.43 -6.70	25.90 1.37 -8.27	26.88 1.38 -9.28	27.13 1.38 -9.55	27.72 1.48 -7.81	32.74 1.42 -12.58	37.49 1.57 -15.58	34.81 1.71 -10.26	34.20 1.82 -7.18	30.29 1.58 -6.10	23.70 1.48 -0.76	22.49 1.09 -5.59
ASTORIA___2 24149	21.23 1.07 -4.85	19.80 1.00 -4.04	18.96 0.91 -4.21	18.94 0.91 -3.60	19.90 0.84 -5.92	21.02 0.85 -4.97	24.98 1.18 -3.06	31.28 1.10 -11.21	28.55 1.39 -7.24	23.79 1.47 -3.18	23.36 1.44 -4.17	25.12 1.42 -6.18	25.37 1.40 -6.70	25.87 1.33 -8.27	26.85 1.35 -9.28	27.10 1.34 -9.55	27.68 1.44 -7.81	32.70 1.39 -12.58	37.45 1.53 -15.58	34.77 1.67 -10.26	34.15 1.76 -7.18	30.26 1.56 -6.10	23.68 1.46 -0.76	22.47 1.08 -5.59
ASTORIA___3 23516	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.14 0.96 -4.98	25.11 1.31 -3.07	31.40 1.22 -11.22	28.68 1.51 -7.25	23.89 1.57 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.91 1.80 -10.27	34.31 1.91 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
ASTORIA___4 23517	21.21 1.06 -4.85	19.82 1.03 -4.03	19.00 0.95 -4.20	19.00 0.97 -3.60	19.93 0.88 -5.91	21.13 0.96 -4.97	25.13 1.33 -3.06	30.91 1.21 -10.73	28.36 1.51 -6.94	23.78 1.57 -3.08	23.28 1.53 -4.00	24.99 1.52 -5.94	25.19 1.48 -6.44	25.62 1.42 -7.94	26.55 1.41 -8.91	26.76 1.38 -9.18	27.43 1.49 -7.50	32.25 1.44 -12.07	37.55 1.61 -15.60	34.84 1.76 -10.24	34.24 1.87 -7.16	30.34 1.65 -6.09	23.81 1.59 -0.77	22.52 1.14 -5.58
ASTORIA___5 23518	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.14 0.96 -4.98	25.11 1.31 -3.07	31.40 1.22 -11.22	28.68 1.51 -7.25	23.89 1.57 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.91 1.80 -10.27	34.31 1.91 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
AST_ENERGY_2_CC3 323677	21.21 1.06 -4.85	19.81 1.02 -4.04	18.99 0.94 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.13 1.33 -3.07	31.44 1.25 -11.22	28.68 1.51 -7.25	23.87 1.55 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.91 1.37 -8.27	26.90 1.40 -9.28	27.14 1.38 -9.56	27.76 1.51 -7.82	32.78 1.46 -12.59	37.54 1.61 -15.58	34.86 1.76 -10.27	34.28 1.89 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
AST_ENERGY_2_CC4 323678	21.21 1.06 -4.85	19.81 1.02 -4.04	18.99 0.94 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.13 1.33 -3.07	31.44 1.25 -11.22	28.68 1.51 -7.25	23.87 1.55 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.91 1.37 -8.27	26.90 1.40 -9.28	27.14 1.38 -9.56	27.76 1.51 -7.82	32.78 1.46 -12.59	37.54 1.61 -15.58	34.86 1.76 -10.27	34.28 1.89 -7.18	30.41 1.70 -6.11	23.81 1.59 -0.77	22.54 1.14 -5.59
ATHENS_STG_1 23668	21.28 0.52 -5.46	19.78 0.49 -4.54	19.03 0.46 -4.74	18.96 0.48 -4.05	20.23 0.43 -6.66	21.29 0.49 -5.60	24.87 0.68 -3.45	32.15 0.63 -12.55	28.78 0.76 -8.11	23.20 0.75 -3.33	23.06 0.69 -4.61	24.91 0.68 -6.71	25.25 0.67 -7.31	25.92 0.63 -9.02	26.95 0.65 -10.08	27.20 0.65 -10.34	27.66 0.74 -8.48	33.21 0.73 -13.75	38.12 0.75 -17.02	35.25 0.87 -11.54	34.21 0.93 -8.07	30.33 0.86 -6.87	23.11 0.79 -0.87	22.63 0.54 -6.29
ATHENS_STG_2 23670	21.28 0.52 -5.46	19.78 0.49 -4.54	19.03 0.46 -4.74	18.96 0.48 -4.05	20.23 0.43 -6.66	21.29 0.49 -5.60	24.87 0.68 -3.45	32.15 0.63 -12.55	28.78 0.76 -8.11	23.20 0.75 -3.33	23.06 0.69 -4.61	24.91 0.68 -6.71	25.25 0.67 -7.31	25.92 0.63 -9.02	26.95 0.65 -10.08	27.20 0.65 -10.34	27.66 0.74 -8.48	33.21 0.73 -13.75	38.12 0.75 -17.02	35.25 0.87 -11.54	34.21 0.93 -8.07	30.33 0.86 -6.87	23.11 0.79 -0.87	22.63 0.54 -6.29

ATHENS_STG_3 23677	21.28 0.52 -5.46	19.78 0.49 -4.54	19.03 0.46 -4.74	18.96 0.48 -4.05	20.23 0.43 -6.66	21.29 0.49 -5.60	24.87 0.68 -3.45	32.15 0.63 -12.55	28.78 0.76 -8.11	23.20 0.75 -3.33	23.06 0.69 -4.61	24.91 0.68 -6.71	25.25 0.67 -7.31	25.92 0.63 -9.02	26.95 0.65 -10.08	27.20 0.65 -10.34	27.66 0.74 -8.48	33.21 0.73 -13.75	38.12 0.75 -17.02	35.25 0.87 -11.54	34.21 0.93 -8.07	30.33 0.86 -6.87	23.11 0.79 -0.87	22.63 0.54 -6.29
AUBURN___LFGE 323710	15.86 -0.03 -0.59	15.18 -0.06 -0.49	14.29 -0.06 -0.51	14.77 -0.10 -0.43	13.74 -0.11 -0.71	15.71 -0.09 -0.60	21.34 0.23 -0.37	20.38 0.11 -1.30	20.73 -0.02 -0.84	19.39 -0.08 -0.34	18.12 -0.11 -0.47	18.12 -0.09 -0.69	17.95 -0.07 -0.75	17.10 -0.10 -0.92	17.16 -0.10 -1.03	17.15 -0.11 -1.06	19.23 -0.07 -0.87	20.05 -0.09 -1.41	22.20 0.04 -1.81	24.26 0.18 -1.24	26.33 0.25 -0.86	23.61 0.27 -0.74	21.69 0.15 -0.09	16.59 0.11 -0.67
BABYLON_RES_REC 323704	24.77 1.44 -8.03	22.40 1.33 -6.31	19.29 1.25 -4.21	19.97 1.27 -4.27	20.22 1.17 -5.92	24.28 1.34 -7.75	29.81 1.93 -7.14	31.88 1.69 -11.22	31.23 2.01 -9.31	26.76 1.97 -5.66	27.06 1.79 -7.51	27.05 1.79 -7.74	26.62 1.76 -7.59	26.93 1.66 -9.00	27.16 1.66 -9.29	27.58 1.65 -9.72	28.38 1.84 -8.10	33.54 1.82 -12.99	38.61 2.00 -16.27	38.17 2.24 -13.09	42.99 2.37 -15.41	34.69 2.15 -9.94	26.58 2.10 -3.03	22.85 1.45 -5.59
BABYLON__69_KV_BK2 356345	24.78 1.45 -8.02	22.52 1.46 -6.31	19.41 1.37 -4.20	20.11 1.41 -4.26	20.34 1.29 -5.91	24.43 1.49 -7.74	29.99 2.12 -7.14	31.56 1.86 -10.73	31.11 2.21 -8.99	26.80 2.12 -5.55	27.05 1.95 -7.34	26.95 1.93 -7.50	26.49 1.90 -7.32	26.72 1.79 -8.66	26.87 1.74 -8.91	27.30 1.75 -9.34	28.22 1.99 -7.79	33.16 1.95 -12.48	38.78 2.16 -16.28	38.34 2.44 -13.06	43.14 2.55 -15.39	34.86 2.33 -9.93	26.75 2.27 -3.02	23.01 1.63 -5.58
BARON_WINDS___WT_PWR 323822	16.24 -0.06 -1.00	15.47 -0.12 -0.83	14.64 -0.07 -0.87	15.09 -0.09 -0.74	14.24 -0.12 -1.22	16.09 -0.14 -1.03	21.45 0.08 -0.63	19.48 -0.08 -0.59	19.97 -0.32 -0.38	18.92 -0.36 -0.15	17.62 -0.35 -0.21	17.48 -0.35 -0.31	17.21 -0.40 -0.34	16.28 -0.41 -0.42	16.23 -0.45 -0.47	16.23 -0.45 -0.48	18.35 -0.48 -0.39	18.87 -0.51 -0.64	22.99 -0.45 -3.09	24.51 -0.41 -2.09	26.16 -0.50 -1.46	23.53 -0.32 -1.24	21.33 -0.28 -0.16	16.86 -0.08 -1.14
BARRETT_IC_1 23704	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_10 23701	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_11 23702	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_12 23703	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_2 23705	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_3 23706	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_4 23707	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_5 23708	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_6 23709	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_7 23710	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59

BARRETT_IC_8 23711	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT_IC_9 23700	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT___1 23545	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BARRETT___2 23546	24.61 1.29 -8.03	22.31 1.24 -6.31	19.21 1.16 -4.21	19.90 1.20 -4.27	20.14 1.09 -5.92	24.19 1.25 -7.75	29.56 1.68 -7.14	31.65 1.46 -11.22	30.99 1.77 -9.31	26.59 1.80 -5.66	26.90 1.63 -7.51	26.90 1.63 -7.74	26.45 1.59 -7.59	26.77 1.50 -9.00	27.02 1.51 -9.29	27.42 1.49 -9.72	28.20 1.66 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.40 1.85 -9.94	26.34 1.87 -3.03	22.73 1.33 -5.59
BATAVIA___115KV_TB1 55881	15.54 -0.38 -0.62	14.74 -0.53 -0.51	13.94 -0.43 -0.54	14.43 -0.46 -0.46	13.39 -0.50 -0.75	15.28 -0.55 -0.63	20.63 -0.50 -0.39	19.63 -0.70 -1.37	19.84 -0.96 -0.88	18.43 -1.05 -0.36	17.24 -1.01 -0.50	17.21 -1.03 -0.72	17.04 -1.02 -0.79	16.22 -1.03 -0.97	16.22 -1.09 -1.09	16.25 -1.07 -1.12	18.24 -1.11 -0.92	19.06 -1.16 -1.49	20.97 -1.28 -1.91	22.91 -1.23 -1.30	24.73 -1.39 -0.91	22.32 -1.06 -0.78	20.50 -1.05 -0.10	15.99 -0.52 -0.71
BAYONEEC___CTG1 323682	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG10 323750	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG2 323683	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG3 323684	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG4 323685	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG5 323686	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG6 323687	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG7 323688	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG8 323689	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
BAYONEEC___CTG9 323749	21.23 1.07 -4.85	19.81 1.02 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.17 1.37 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59

BEACON___LESR 323632	21.74 0.38 -6.05	20.16 0.37 -5.03	19.45 0.36 -5.25	19.31 0.39 -4.49	20.85 0.33 -7.38	21.82 0.41 -6.21	25.12 0.56 -3.82	33.20 0.42 -13.82	29.36 0.52 -8.93	22.99 0.52 -3.34	23.19 0.44 -4.99	25.06 0.44 -7.10	25.47 0.43 -7.77	26.28 0.41 -9.60	27.33 0.42 -10.69	27.54 0.42 -10.92	27.94 0.52 -8.99	33.98 0.56 -14.68	39.13 0.59 -18.19	36.30 0.66 -12.80	34.92 0.76 -8.96	30.90 0.68 -7.62	23.01 0.60 -0.96	23.11 0.33 -6.97
BEAVER RIVER___HYD 24048	15.18 -0.32 -0.20	14.58 -0.34 -0.17	13.68 -0.33 -0.17	14.25 -0.33 -0.15	13.09 -0.29 -0.24	15.11 -0.29 -0.21	20.49 -0.37 -0.13	18.59 -0.38 0.00	19.33 -0.58 0.00	18.54 -0.59 0.00	17.14 -0.62 0.00	16.91 -0.61 0.00	16.68 -0.59 0.00	15.75 -0.52 0.00	15.67 -0.55 0.00	15.66 -0.55 0.00	17.83 -0.61 0.00	18.21 -0.52 0.00	20.50 -0.47 -0.62	22.81 -0.43 -0.40	25.21 -0.28 -0.28	22.48 -0.36 -0.24	21.03 -0.45 -0.03	15.68 -0.35 -0.22
BEEBEE_GT_13 23619	15.63 -0.24 -0.57	14.88 -0.35 -0.48	14.06 -0.28 -0.50	14.55 -0.30 -0.42	13.49 -0.34 -0.70	15.40 -0.38 -0.59	20.79 -0.31 -0.36	19.70 -0.53 -1.27	20.03 -0.70 -0.82	18.71 -0.75 -0.33	17.51 -0.71 -0.46	17.49 -0.70 -0.67	17.32 -0.67 -0.73	16.49 -0.68 -0.90	16.50 -0.73 -1.01	16.53 -0.71 -1.03	18.55 -0.74 -0.85	19.31 -0.81 -1.38	21.30 -0.81 -1.77	23.27 -0.78 -1.21	25.15 -0.91 -0.84	22.64 -0.68 -0.72	20.88 -0.66 -0.09	16.15 -0.32 -0.66
BENSHRST_27_KV_BENSHRST_1 355998	21.36 1.21 -4.85	19.95 1.17 -4.03	19.11 1.07 -4.20	19.10 1.07 -3.60	20.03 0.99 -5.91	21.22 1.05 -4.97	25.27 1.47 -3.06	31.01 1.31 -10.73	28.50 1.65 -6.94	23.95 1.74 -3.08	23.44 1.69 -4.00	25.16 1.70 -5.94	25.38 1.67 -6.44	25.83 1.61 -7.95	26.75 1.61 -8.92	26.96 1.57 -9.19	27.66 1.71 -7.51	32.42 1.61 -12.07	37.79 1.85 -15.60	35.11 2.03 -10.24	34.51 2.14 -7.16	30.62 1.92 -6.10	24.07 1.84 -0.78	22.70 1.31 -5.58
BETHLEHEM___GRP 23843	21.54 0.17 -6.07	19.97 0.16 -5.05	19.28 0.18 -5.26	19.14 0.20 -4.50	20.71 0.17 -7.40	21.62 0.20 -6.23	24.82 0.25 -3.83	32.54 0.13 -13.44	28.82 0.22 -8.69	22.58 0.21 -3.24	22.80 0.20 -4.85	24.61 0.19 -6.89	25.01 0.19 -7.55	25.77 0.18 -9.33	26.78 0.18 -10.38	26.97 0.16 -10.60	27.38 0.22 -8.73	33.22 0.22 -14.26	38.81 0.24 -18.22	35.93 0.27 -12.82	34.48 0.30 -8.97	30.50 0.27 -7.63	22.67 0.26 -0.96	22.88 0.09 -6.98
BETHLEHEM___GS1 323560	21.55 0.18 -6.06	19.96 0.16 -5.04	19.27 0.18 -5.26	19.13 0.20 -4.50	20.70 0.17 -7.39	21.61 0.20 -6.22	24.82 0.25 -3.83	32.94 0.13 -13.83	29.07 0.22 -8.94	22.70 0.21 -3.36	22.95 0.20 -5.00	24.83 0.19 -7.12	25.25 0.19 -7.79	26.08 0.18 -9.63	27.13 0.20 -10.72	27.33 0.18 -10.95	27.69 0.24 -9.01	33.70 0.24 -14.72	38.83 0.25 -18.24	35.95 0.30 -12.82	34.50 0.33 -8.97	30.52 0.29 -7.63	22.67 0.26 -0.96	22.88 0.10 -6.98
BETHLEHEM___GS2 323561	21.55 0.18 -6.06	19.96 0.16 -5.04	19.27 0.18 -5.26	19.13 0.20 -4.50	20.70 0.17 -7.39	21.61 0.20 -6.22	24.82 0.25 -3.83	32.94 0.13 -13.83	29.07 0.22 -8.94	22.70 0.21 -3.36	22.95 0.20 -5.00	24.83 0.19 -7.12	25.25 0.19 -7.79	26.08 0.18 -9.63	27.13 0.20 -10.72	27.33 0.18 -10.95	27.69 0.24 -9.01	33.70 0.24 -14.72	38.83 0.25 -18.24	35.95 0.30 -12.82	34.50 0.33 -8.97	30.52 0.29 -7.63	22.67 0.26 -0.96	22.88 0.10 -6.98
BETHLEHEM___GS3 323562	21.55 0.18 -6.06	19.96 0.16 -5.04	19.27 0.18 -5.26	19.13 0.20 -4.50	20.70 0.17 -7.39	21.61 0.20 -6.22	24.82 0.25 -3.83	32.94 0.13 -13.83	29.07 0.22 -8.94	22.70 0.21 -3.36	22.95 0.20 -5.00	24.83 0.19 -7.12	25.25 0.19 -7.79	26.08 0.18 -9.63	27.13 0.20 -10.72	27.33 0.18 -10.95	27.69 0.24 -9.01	33.70 0.24 -14.72	38.83 0.25 -18.24	35.95 0.30 -12.82	34.50 0.33 -8.97	30.52 0.29 -7.63	22.67 0.26 -0.96	22.88 0.10 -6.98
BETHLEHEM___STEEL 23779	15.67 -0.37 -0.74	14.84 -0.53 -0.61	14.08 -0.40 -0.64	14.53 -0.45 -0.55	13.55 -0.49 -0.90	15.35 -0.61 -0.76	20.65 -0.56 -0.47	19.96 -0.64 -1.64	20.09 -0.88 -1.06	18.70 -0.86 -0.43	17.56 -0.80 -0.60	17.60 -0.79 -0.87	17.37 -0.85 -0.95	16.58 -0.86 -1.17	16.60 -0.92 -1.30	16.62 -0.92 -1.34	18.55 -0.98 -1.10	19.43 -1.09 -1.78	21.27 -1.36 -2.29	23.03 -1.37 -1.56	24.69 -1.61 -1.09	22.36 -1.18 -0.93	20.50 -1.07 -0.12	16.13 -0.52 -0.85
BETHLHEM_115KV_TB1 79974	21.58 0.21 -6.06	20.02 0.22 -5.04	19.32 0.22 -5.26	19.17 0.25 -4.50	20.74 0.21 -7.39	21.66 0.24 -6.22	24.88 0.31 -3.83	32.90 0.51 -13.42	29.18 0.60 -8.67	23.08 0.57 -3.37	23.17 0.53 -4.88	25.05 0.53 -7.01	25.44 0.52 -7.66	26.19 0.47 -9.45	27.23 0.47 -10.54	27.46 0.47 -10.79	27.86 0.55 -8.87	33.73 0.56 -14.43	39.43 0.59 -18.50	36.33 0.69 -12.80	34.92 0.76 -8.96	30.90 0.68 -7.62	23.06 0.64 -0.96	23.20 0.43 -6.97
BETHPAGE_CC_5 323564	24.72 1.39 -8.03	22.37 1.30 -6.31	19.26 1.22 -4.21	19.96 1.25 -4.27	20.20 1.14 -5.92	24.25 1.31 -7.75	29.72 1.85 -7.14	31.80 1.61 -11.22	31.15 1.93 -9.31	26.71 1.91 -5.66	27.03 1.76 -7.51	27.02 1.75 -7.74	26.59 1.73 -7.59	26.90 1.63 -9.00	27.13 1.62 -9.29	27.56 1.64 -9.72	28.27 1.73 -8.10	33.41 1.69 -12.99	38.45 1.83 -16.27	37.98 2.06 -13.09	42.81 2.19 -15.41	34.54 1.99 -9.94	26.49 2.02 -3.03	22.84 1.44 -5.59
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	15.65 -0.41 -0.76	14.81 -0.58 -0.63	14.04 -0.46 -0.66	14.49 -0.51 -0.56	13.53 -0.53 -0.92	15.32 -0.65 -0.78	20.61 -0.60 -0.48	20.07 -0.57 -1.67	20.20 -0.80 -1.08	18.78 -0.78 -0.44	17.62 -0.75 -0.61	17.69 -0.72 -0.89	17.44 -0.79 -0.97	16.65 -0.81 -1.20	16.70 -0.86 -1.34	16.70 -0.88 -1.37	18.66 -0.90 -1.12	19.55 -1.01 -1.82	21.32 -1.36 -2.34	23.04 -1.39 -1.60	24.71 -1.61 -1.12	22.36 -1.20 -0.95	20.46 -1.12 -0.12	16.12 -0.55 -0.87
BINGHAMTON___COGEN 23790	16.85 0.11 -1.44	16.00 0.04 -1.19	15.14 0.06 -1.25	15.54 0.04 -1.07	14.91 0.03 -1.75	16.72 0.05 -1.47	21.85 0.21 -0.91	22.11 -0.04 -3.18	21.75 -0.22 -2.06	19.69 -0.27 -0.83	18.64 -0.28 -1.16	18.93 -0.28 -1.69	18.81 -0.29 -1.84	18.25 -0.29 -2.27	18.45 -0.31 -2.54	18.48 -0.32 -2.60	20.28 -0.29 -2.14	21.90 -0.30 -3.47	24.78 -0.02 -4.45	25.96 0.09 -3.03	27.43 0.10 -2.12	24.54 0.14 -1.81	21.77 0.09 -0.23	17.55 0.09 -1.65
BIXINCNT_115KV_LOAD 355685	15.77 -0.34 -0.80	14.95 -0.47 -0.67	14.15 -0.39 -0.70	14.58 -0.45 -0.60	13.63 -0.49 -0.98	15.46 -0.56 -0.83	20.79 -0.46 -0.51	20.48 -0.27 -1.78	20.59 -0.48 -1.15	19.12 -0.48 -0.46	17.95 -0.46 -0.65	18.01 -0.46 -0.94	17.76 -0.54 -1.03	16.99 -0.55 -1.27	17.03 -0.62 -1.42	17.03 -0.63 -1.46	19.00 -0.63 -1.19	19.98 -0.69 -1.94	21.72 -1.12 -2.49	23.44 -1.10 -1.70	25.11 -1.29 -1.19	22.71 -0.90 -1.01	20.72 -0.86 -0.13	16.32 -0.41 -0.93
BLACK RIVER___HYD 24047	15.26 -0.32 -0.28	14.63 -0.35 -0.23	13.73 -0.35 -0.24	14.28 -0.36 -0.21	13.16 -0.32 -0.34	15.18 -0.30 -0.28	20.60 -0.31 -0.17	18.57 -0.40 0.00	19.26 -0.66 0.00	18.42 -0.71 0.00	17.01 -0.75 0.00	16.80 -0.72 0.00	16.57 -0.69 0.00	15.65 -0.62 0.00	15.57 -0.65 0.00	15.54 -0.67 0.00	17.72 -0.72 0.00	18.12 -0.62 0.00	20.69 -0.51 -0.85	22.98 -0.43 -0.57	25.41 -0.20 -0.40	22.65 -0.29 -0.34	21.09 -0.41 -0.04	15.78 -0.33 -0.31

BLACKRVR_115KV_TB2 79977	15.22 -0.34 -0.26	14.62 -0.35 -0.21	13.71 -0.35 -0.22	14.26 -0.36 -0.19	13.13 -0.32 -0.31	15.16 -0.30 -0.26	20.57 -0.33 -0.16	19.14 -0.40 -0.57	19.62 -0.66 -0.37	18.57 -0.71 -0.15	17.22 -0.75 -0.21	17.11 -0.72 -0.30	16.91 -0.69 -0.33	16.06 -0.62 -0.41	16.03 -0.65 -0.46	16.03 -0.65 -0.47	18.12 -0.70 -0.39	18.74 -0.62 -0.62	20.66 -0.49 -0.80	22.95 -0.43 -0.54	25.41 -0.18 -0.38	22.63 -0.29 -0.32	21.08 -0.41 -0.04	15.77 -0.33 -0.30
BLISS_WT_PWR 323608	15.73 -0.43 -0.85	14.99 -0.47 -0.71	14.19 -0.39 -0.74	14.60 -0.46 -0.63	13.68 -0.50 -1.04	15.50 -0.58 -0.87	20.84 -0.44 -0.54	19.22 -0.25 -0.50	19.78 -0.46 -0.32	18.82 -0.44 -0.13	17.48 -0.46 -0.18	17.33 -0.46 -0.26	17.02 -0.54 -0.29	16.07 -0.55 -0.36	15.99 -0.63 -0.40	15.98 -0.63 -0.41	18.09 -0.68 -0.33	18.53 -0.75 -0.54	21.90 -1.08 -2.64	23.50 -1.12 -1.78	25.12 -1.34 -1.25	22.74 -0.93 -1.06	20.75 -0.84 -0.13	16.38 -0.39 -0.97
BLUE_CIRC_CHEM_DRP 24182	21.60 0.38 -5.92	20.04 0.37 -4.92	19.33 0.36 -5.13	19.21 0.39 -4.39	20.69 0.34 -7.22	21.66 0.40 -6.07	25.02 0.54 -3.74	32.54 0.47 -13.10	28.94 0.56 -8.47	22.91 0.52 -3.27	22.98 0.46 -4.76	24.80 0.46 -6.82	25.17 0.45 -7.45	25.88 0.41 -9.20	26.89 0.41 -10.26	27.10 0.41 -10.49	27.56 0.50 -8.63	33.30 0.51 -14.06	38.88 0.53 -18.00	35.95 0.62 -12.50	34.66 0.71 -8.74	30.69 0.66 -7.44	23.01 0.62 -0.94	23.01 0.40 -6.81
BOC_GAS_DRP 24189	21.67 0.35 -6.01	20.10 0.34 -5.00	19.39 0.33 -5.22	19.24 0.35 -4.46	20.77 0.30 -7.33	21.72 0.35 -6.17	25.01 0.48 -3.80	32.72 0.44 -13.31	29.06 0.54 -8.61	22.99 0.52 -3.34	23.08 0.48 -4.84	24.95 0.47 -6.95	25.33 0.47 -7.60	26.09 0.44 -9.38	27.12 0.44 -10.46	27.35 0.44 -10.70	27.75 0.52 -8.80	33.57 0.51 -14.32	39.23 0.53 -18.35	36.16 0.62 -12.70	34.75 0.66 -8.89	30.77 0.61 -7.56	22.99 0.58 -0.96	23.09 0.36 -6.92
BOONVILLE_115KV_TB1 79983	15.52 0.06 -0.15	14.91 0.03 -0.13	14.00 0.03 -0.13	14.57 0.03 -0.11	13.35 0.03 -0.18	15.43 0.08 -0.16	20.96 0.12 -0.10	19.42 0.11 -0.34	20.13 0.00 -0.22	19.18 -0.04 -0.09	17.79 -0.09 -0.12	17.61 -0.09 -0.18	17.39 -0.07 -0.19	16.46 -0.05 -0.24	16.41 -0.08 -0.27	16.40 -0.08 -0.28	18.59 -0.07 -0.23	19.08 -0.02 -0.37	20.90 0.08 -0.47	23.32 0.16 -0.32	25.76 0.33 -0.22	23.00 0.20 -0.19	21.58 0.11 -0.02	16.01 0.03 -0.17
BORALEX_4TH_BRANCH 23824	22.03 0.66 -6.07	20.42 0.62 -5.05	19.68 0.58 -5.26	19.54 0.61 -4.50	21.09 0.55 -7.40	22.06 0.64 -6.23	25.53 0.95 -3.83	33.63 0.82 -13.84	29.80 0.94 -8.95	22.99 0.82 -3.04	23.41 0.73 -4.92	25.08 0.72 -6.84	25.51 0.71 -7.53	26.25 0.67 -9.31	27.22 0.68 -10.32	27.34 0.65 -10.49	27.92 0.81 -8.67	33.84 0.82 -14.28	38.85 0.92 -17.59	36.74 1.07 -12.83	35.37 1.19 -8.98	31.32 1.08 -7.63	23.47 1.05 -0.97	23.43 0.63 -6.99
BOWLINE___1 23526	20.92 0.92 -4.70	19.53 0.87 -3.90	18.71 0.80 -4.07	18.74 0.82 -3.48	19.64 0.77 -5.73	20.90 0.88 -4.82	24.95 1.24 -2.97	30.98 1.14 -10.88	28.30 1.35 -7.03	23.56 1.34 -3.09	23.10 1.30 -4.05	24.79 1.28 -5.99	25.03 1.26 -6.50	25.47 1.19 -8.02	26.42 1.20 -9.00	26.69 1.23 -9.26	27.37 1.36 -7.57	32.28 1.35 -12.19	36.88 1.47 -15.07	34.40 1.62 -9.94	33.90 1.74 -6.95	30.05 1.54 -5.91	23.61 1.42 -0.75	22.21 1.00 -5.41
BOWLINE___2 23595	20.92 0.92 -4.70	19.53 0.87 -3.91	18.71 0.80 -4.07	18.74 0.82 -3.48	19.64 0.77 -5.73	20.90 0.88 -4.82	24.95 1.24 -2.97	30.99 1.14 -10.88	28.30 1.35 -7.03	23.58 1.36 -3.09	23.10 1.30 -4.05	24.79 1.28 -5.99	25.03 1.26 -6.50	25.47 1.19 -8.02	26.42 1.20 -9.00	26.70 1.23 -9.26	27.37 1.36 -7.57	32.28 1.35 -12.20	36.88 1.47 -15.07	34.40 1.62 -9.94	33.90 1.74 -6.95	30.05 1.54 -5.91	23.61 1.42 -0.75	22.21 1.00 -5.41
BRADY___115KV_TB2 356060	15.32 -0.03 -0.05	14.81 0.01 -0.04	13.86 -0.01 -0.04	14.51 0.04 -0.03	13.24 0.05 -0.06	15.31 0.06 -0.05	20.60 -0.17 -0.03	18.99 -0.08 -0.10	19.74 -0.24 -0.07	19.00 -0.15 -0.03	17.63 -0.16 -0.04	17.40 -0.18 -0.05	17.13 -0.19 -0.06	16.20 -0.15 -0.07	16.17 -0.13 -0.08	16.19 -0.10 -0.08	18.28 -0.22 -0.07	18.68 -0.17 -0.11	20.33 -0.16 -0.14	22.71 -0.23 -0.10	25.00 -0.28 -0.07	22.32 -0.34 -0.06	21.12 -0.34 -0.01	15.70 -0.16 -0.05
BRANSCOMB___SOLAR 323811	22.25 0.66 -6.29	20.56 0.57 -5.23	19.85 0.55 -5.46	19.68 0.58 -4.67	21.32 0.51 -7.67	22.28 0.62 -6.46	25.69 0.97 -3.98	34.08 0.80 -14.32	29.99 0.82 -9.26	23.33 0.78 -3.42	23.63 0.71 -5.16	25.54 0.70 -7.32	25.96 0.67 -8.02	26.80 0.62 -9.91	27.70 0.45 -11.02	27.91 0.45 -11.25	28.28 0.57 -9.27	34.51 0.62 -15.16	39.86 0.69 -18.82	36.93 0.80 -13.30	35.52 1.01 -9.30	31.42 0.91 -7.91	23.48 1.03 -1.00	23.71 0.66 -7.24
BRENTWOD_69_KV_W. BRTWOOD 56703	24.70 1.38 -8.02	22.46 1.40 -6.31	19.36 1.31 -4.20	20.05 1.36 -4.26	20.28 1.23 -5.91	24.35 1.41 -7.74	29.91 2.03 -7.14	31.45 1.75 -10.73	31.01 2.11 -8.99	26.73 2.05 -5.55	26.94 1.85 -7.34	26.86 1.84 -7.50	26.40 1.81 -7.32	26.64 1.71 -8.66	26.78 1.64 -8.91	27.20 1.65 -9.34	28.10 1.88 -7.79	33.05 1.84 -12.48	38.64 2.01 -16.28	38.18 2.28 -13.06	42.97 2.37 -15.39	34.70 2.17 -9.93	26.64 2.17 -3.02	22.95 1.56 -5.58
BRISTLHL_115KV_TB1 79998	15.32 -0.40 -0.41	14.67 -0.43 -0.34	13.81 -0.39 -0.36	14.30 -0.43 -0.30	13.23 -0.41 -0.50	15.18 -0.44 -0.42	20.52 -0.48 -0.26	19.33 -0.55 -0.91	19.84 -0.66 -0.59	18.68 -0.69 -0.24	17.43 -0.66 -0.33	17.38 -0.63 -0.49	17.19 -0.60 -0.53	16.34 -0.59 -0.65	16.35 -0.60 -0.73	16.34 -0.62 -0.75	18.40 -0.65 -0.61	19.06 -0.67 -1.00	21.00 -0.63 -1.28	23.09 -0.62 -0.87	25.16 -0.66 -0.61	22.60 -0.52 -0.52	20.96 -0.56 -0.07	15.87 -0.41 -0.47
BROOKHAVEN___DRP 24191	24.68 1.36 -8.02	22.46 1.40 -6.31	19.36 1.31 -4.20	20.05 1.36 -4.26	20.28 1.23 -5.91	24.35 1.41 -7.74	29.93 2.05 -7.14	31.48 1.78 -10.73	31.03 2.13 -8.99	26.67 1.99 -5.55	26.89 1.79 -7.34	26.81 1.79 -7.50	26.35 1.76 -7.32	26.59 1.66 -8.66	26.71 1.57 -8.91	27.15 1.60 -9.34	28.09 1.86 -7.79	33.01 1.80 -12.48	38.60 1.97 -16.28	38.16 2.26 -13.06	42.84 2.24 -15.39	34.70 2.17 -9.93	26.58 2.10 -3.02	22.88 1.50 -5.58
BROOKLYN_NAVY_YARD 23515	21.20 1.04 -4.85	19.78 0.99 -4.04	18.97 0.93 -4.21	18.97 0.94 -3.60	19.92 0.87 -5.92	21.15 0.97 -4.98	25.15 1.35 -3.07	31.46 1.27 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.44 1.51 -4.17	25.21 1.51 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.78 1.53 -7.82	32.80 1.48 -12.59	37.56 1.63 -15.58	34.89 1.78 -10.27	34.31 1.91 -7.18	30.43 1.72 -6.11	23.85 1.63 -0.77	22.54 1.14 -5.59
BROOKLYN___ARMY_DRP 323595	21.30 1.15 -4.85	19.91 1.12 -4.03	19.07 1.02 -4.20	19.05 1.02 -3.60	19.99 0.95 -5.91	21.17 1.00 -4.97	25.19 1.39 -3.06	30.93 1.23 -10.73	28.42 1.57 -6.94	23.87 1.66 -3.08	23.37 1.62 -4.00	25.07 1.61 -5.94	25.29 1.59 -6.44	25.75 1.53 -7.95	26.67 1.52 -8.92	26.88 1.49 -9.19	27.57 1.62 -7.51	32.35 1.54 -12.07	37.67 1.73 -15.60	35.00 1.92 -10.24	34.39 2.02 -7.16	30.51 1.81 -6.10	23.97 1.74 -0.78	22.64 1.25 -5.58



BROOKVLE_69_KV_TB1 55790	24.56 1.24 -8.02	22.27 1.21 -6.31	19.18 1.13 -4.20	19.87 1.17 -4.26	20.11 1.06 -5.91	24.17 1.23 -7.74	29.60 1.72 -7.14	31.26 1.56 -10.73	30.75 1.85 -8.99	26.52 1.84 -5.55	26.84 1.74 -7.34	26.74 1.72 -7.50	26.28 1.69 -7.32	26.53 1.59 -8.66	26.71 1.57 -8.91	27.12 1.57 -9.34	27.98 1.75 -7.79	32.94 1.72 -12.48	38.52 1.89 -16.28	38.02 2.12 -13.06	42.87 2.27 -15.39	34.54 2.01 -9.93	26.41 1.93 -3.02	22.77 1.39 -5.58
BROOME_2_LFGE 323671	16.81 0.08 -1.43	15.99 0.04 -1.19	15.14 0.06 -1.24	15.54 0.04 -1.06	14.91 0.03 -1.75	16.71 0.05 -1.47	21.85 0.21 -0.91	19.94 -0.04 -1.01	20.35 -0.22 -0.65	19.13 -0.27 -0.26	17.84 -0.28 -0.37	17.77 -0.28 -0.53	17.55 -0.29 -0.58	16.70 -0.29 -0.72	16.70 -0.32 -0.80	16.72 -0.31 -0.82	18.80 -0.31 -0.68	19.50 -0.34 -1.10	24.77 0.00 -4.43	25.86 0.09 -2.93	27.36 0.10 -2.05	24.48 0.14 -1.74	21.76 0.09 -0.22	17.49 0.10 -1.59
BROOME___LFGE 323600	16.81 0.08 -1.43	15.99 0.04 -1.19	15.14 0.06 -1.24	15.54 0.04 -1.06	14.91 0.03 -1.75	16.71 0.05 -1.47	21.85 0.21 -0.91	19.94 -0.04 -1.01	20.35 -0.22 -0.65	19.13 -0.27 -0.26	17.84 -0.28 -0.37	17.77 -0.28 -0.53	17.55 -0.29 -0.58	16.70 -0.29 -0.72	16.70 -0.32 -0.80	16.72 -0.31 -0.82	18.80 -0.31 -0.68	19.50 -0.34 -1.10	24.77 0.00 -4.43	25.86 0.09 -2.93	27.36 0.10 -2.05	24.48 0.14 -1.74	21.76 0.09 -0.22	17.49 0.10 -1.59
BROWNFLS_115KV_TB_3_5 80003	14.91 -0.52 -0.13	14.38 -0.49 -0.11	13.48 -0.47 -0.11	14.07 -0.46 -0.10	12.88 -0.41 -0.16	14.89 -0.44 -0.13	20.16 -0.66 -0.08	18.66 -0.59 -0.28	19.30 -0.80 -0.18	18.46 -0.75 -0.07	17.12 -0.75 -0.10	16.94 -0.74 -0.15	16.71 -0.73 -0.16	15.82 -0.65 -0.20	15.80 -0.65 -0.23	15.81 -0.63 -0.23	17.85 -0.77 -0.19	18.35 -0.69 -0.31	20.05 -0.69 -0.40	22.35 -0.75 -0.27	24.67 -0.73 -0.19	22.00 -0.77 -0.16	20.66 -0.82 -0.02	15.38 -0.57 -0.15
BROWNSV1_27_KV_LOAD 356125	21.31 1.16 -4.85	19.92 1.14 -4.03	19.09 1.05 -4.20	19.11 1.08 -3.60	20.03 0.99 -5.91	21.28 1.11 -4.97	25.36 1.56 -3.06	31.16 1.46 -10.73	28.58 1.73 -6.94	23.97 1.76 -3.08	23.46 1.70 -4.00	25.14 1.68 -5.94	25.36 1.66 -6.44	25.77 1.56 -7.94	26.69 1.56 -8.91	26.91 1.52 -9.18	27.62 1.68 -7.50	32.44 1.63 -12.07	37.77 1.83 -15.59	35.11 2.03 -10.24	34.51 2.14 -7.16	30.62 1.92 -6.09	24.05 1.82 -0.77	22.68 1.30 -5.58
BURROWS___LYONSDAL 23803	15.44 -0.02 -0.16	14.84 -0.04 -0.13	13.93 -0.04 -0.14	14.49 -0.06 -0.12	13.29 -0.04 -0.19	15.36 0.00 -0.16	20.86 0.02 -0.10	19.32 0.00 -0.35	20.02 -0.12 -0.23	19.07 -0.15 -0.09	17.67 -0.21 -0.13	17.50 -0.21 -0.19	17.30 -0.17 -0.20	16.37 -0.15 -0.25	16.31 -0.19 -0.28	16.31 -0.18 -0.29	18.49 -0.18 -0.23	18.99 -0.13 -0.38	20.81 -0.02 -0.49	23.19 0.02 -0.33	25.64 0.20 -0.23	22.89 0.09 -0.20	21.46 -0.02 -0.03	15.94 -0.05 -0.18
CAITHNESS_CC_1 323624	24.84 1.52 -8.03	22.47 1.40 -6.31	19.36 1.32 -4.21	20.06 1.36 -4.27	20.29 1.23 -5.92	24.36 1.41 -7.75	29.93 2.05 -7.14	31.97 1.78 -11.22	31.35 2.13 -9.31	26.78 1.99 -5.66	27.08 1.81 -7.51	27.07 1.81 -7.74	26.64 1.78 -7.59	26.95 1.68 -9.00	27.15 1.64 -9.29	27.58 1.65 -9.72	28.44 1.90 -8.10	33.56 1.84 -12.99	38.63 2.01 -16.27	38.21 2.28 -13.09	42.94 2.32 -15.41	34.74 2.19 -9.94	26.58 2.10 -3.03	22.82 1.42 -5.59
CALPINE BETH_PAGE_GT4 24209	24.62 1.30 -8.02	22.36 1.30 -6.31	19.26 1.22 -4.20	19.95 1.26 -4.26	20.19 1.14 -5.91	24.25 1.31 -7.74	29.68 1.80 -7.14	31.30 1.59 -10.73	30.81 1.91 -8.99	26.57 1.89 -5.55	26.84 1.74 -7.34	26.75 1.73 -7.50	26.28 1.69 -7.32	26.53 1.59 -8.66	26.71 1.57 -8.91	27.12 1.57 -9.34	27.88 1.66 -7.79	32.84 1.63 -12.48	38.42 1.79 -16.28	37.89 1.99 -13.06	42.71 2.12 -15.39	34.43 1.90 -9.93	26.47 1.99 -3.02	22.85 1.47 -5.58
CALPINE_BETH_PAGE_GT_4 323586	24.72 1.39 -8.03	22.37 1.30 -6.31	19.26 1.22 -4.21	19.96 1.25 -4.27	20.20 1.14 -5.92	24.25 1.31 -7.75	29.68 1.80 -7.14	31.78 1.59 -11.22	31.13 1.91 -9.31	26.69 1.89 -5.66	27.01 1.74 -7.51	27.00 1.74 -7.74	26.57 1.71 -7.59	26.86 1.60 -9.00	27.12 1.61 -9.29	27.55 1.62 -9.72	28.23 1.69 -8.10	33.39 1.67 -12.99	38.43 1.81 -16.27	37.96 2.03 -13.09	42.79 2.17 -15.41	34.49 1.94 -9.94	26.47 2.00 -3.03	22.84 1.44 -5.59
CALPINE_BP_GT1 23823	24.72 1.39 -8.03	22.37 1.30 -6.31	19.26 1.22 -4.21	19.96 1.25 -4.27	20.20 1.14 -5.92	24.25 1.31 -7.75	29.68 1.80 -7.14	31.78 1.59 -11.22	31.13 1.91 -9.31	26.69 1.89 -5.66	27.01 1.74 -7.51	27.00 1.74 -7.74	26.57 1.71 -7.59	26.86 1.60 -9.00	27.12 1.61 -9.29	27.55 1.62 -9.72	28.23 1.69 -8.10	33.39 1.67 -12.99	38.43 1.81 -16.27	37.96 2.03 -13.09	42.79 2.17 -15.41	34.49 1.94 -9.94	26.47 2.00 -3.03	22.84 1.44 -5.59
CALSPAN___DRP 24200	15.67 -0.37 -0.74	14.84 -0.53 -0.61	14.08 -0.40 -0.64	14.53 -0.45 -0.55	13.55 -0.49 -0.90	15.35 -0.61 -0.76	20.65 -0.56 -0.47	19.96 -0.64 -1.64	20.09 -0.88 -1.06	18.70 -0.86 -0.43	17.56 -0.80 -0.60	17.60 -0.79 -0.87	17.37 -0.85 -0.95	16.58 -0.86 -1.17	16.60 -0.92 -1.30	16.62 -0.92 -1.34	18.55 -0.98 -1.10	19.43 -1.09 -1.78	21.27 -1.36 -2.29	23.03 -1.37 -1.56	24.69 -1.61 -1.09	22.36 -1.18 -0.93	20.50 -1.07 -0.12	16.13 -0.52 -0.85
CALVERTON___SOLAR 323806	24.86 1.53 -8.03	22.50 1.43 -6.31	19.38 1.33 -4.21	20.07 1.37 -4.27	20.30 1.25 -5.92	24.39 1.44 -7.75	29.95 2.07 -7.14	32.01 1.82 -11.22	31.39 2.17 -9.31	26.78 1.99 -5.66	27.08 1.81 -7.51	27.07 1.81 -7.74	26.64 1.78 -7.59	26.95 1.68 -9.00	27.15 1.64 -9.29	27.58 1.65 -9.72	28.47 1.94 -8.10	33.60 1.87 -12.99	38.63 2.01 -16.27	38.23 2.31 -13.09	42.94 2.32 -15.41	34.78 2.24 -9.94	26.60 2.12 -3.03	22.82 1.42 -5.59
CANDIGU_WT_PWR 323617	16.24 -0.06 -1.00	15.47 -0.12 -0.83	14.64 -0.07 -0.87	15.09 -0.09 -0.74	14.24 -0.12 -1.22	16.09 -0.14 -1.03	21.45 0.08 -0.63	19.48 -0.08 -0.59	19.97 -0.32 -0.38	18.92 -0.36 -0.15	17.62 -0.35 -0.21	17.48 -0.35 -0.31	17.21 -0.40 -0.34	16.28 -0.41 -0.42	16.23 -0.45 -0.47	16.23 -0.45 -0.48	18.35 -0.48 -0.39	18.87 -0.51 -0.64	22.99 -0.45 -3.09	24.51 -0.41 -2.09	26.16 -0.50 -1.46	23.53 -0.32 -1.24	21.33 -0.28 -0.16	16.86 -0.08 -1.14
CARR STREET_E_SYP 24060	15.52 -0.25 -0.46	14.89 -0.25 -0.39	14.00 -0.24 -0.40	14.52 -0.26 -0.34	13.45 -0.25 -0.57	15.40 -0.27 -0.48	20.78 -0.25 -0.29	18.88 -0.36 -0.27	19.63 -0.46 -0.18	18.73 -0.48 -0.07	17.40 -0.46 -0.10	17.21 -0.46 -0.15	16.99 -0.43 -0.16	16.04 -0.42 -0.20	16.00 -0.44 -0.22	15.99 -0.44 -0.22	18.14 -0.48 -0.18	18.53 -0.51 -0.30	21.39 -0.39 -1.43	23.50 -0.34 -1.00	25.53 -0.38 -0.70	22.91 -0.29 -0.60	21.21 -0.32 -0.08	16.12 -0.24 -0.55
CARTHAGE___PAPER 23857	15.20 -0.35 -0.25	14.59 -0.37 -0.21	13.69 -0.36 -0.21	14.24 -0.38 -0.18	13.12 -0.32 -0.30	15.15 -0.30 -0.25	20.52 -0.37 -0.16	18.57 -0.40 0.00	19.27 -0.64 0.00	18.46 -0.67 0.00	17.06 -0.69 0.00	16.84 -0.68 0.00	16.61 -0.66 0.00	15.69 -0.59 0.00	15.61 -0.62 0.00	15.59 -0.62 0.00	17.77 -0.66 0.00	18.16 -0.58 0.00	20.62 -0.49 -0.76	22.91 -0.43 -0.51	25.34 -0.23 -0.35	22.57 -0.34 -0.30	21.04 -0.45 -0.04	15.73 -0.35 -0.28

CASSADAGA_WT_PWR 323784	16.03 -0.09 -0.82	15.25 -0.19 -0.68	14.47 -0.08 -0.71	14.90 -0.14 -0.61	13.94 -0.20 -1.00	15.77 -0.27 -0.84	21.38 0.13 -0.52	19.56 0.11 -0.48	20.10 -0.12 -0.31	19.16 -0.10 -0.12	17.81 -0.12 -0.18	17.64 -0.14 -0.25	17.23 -0.31 -0.28	16.21 -0.41 -0.34	16.05 -0.55 -0.38	16.02 -0.58 -0.39	18.11 -0.65 -0.32	18.57 -0.69 -0.52	22.03 -0.85 -2.53	23.64 -0.91 -1.71	25.40 -1.01 -1.20	23.08 -0.54 -1.02	21.11 -0.47 -0.13	16.63 -0.11 -0.93
CE_DUNWOOD___DRP 24194	21.07 0.93 -4.84	19.69 0.91 -4.02	18.89 0.86 -4.20	18.90 0.88 -3.59	19.85 0.81 -5.90	21.09 0.93 -4.96	25.10 1.31 -3.06	30.87 1.20 -10.71	28.25 1.41 -6.92	23.62 1.42 -3.07	23.12 1.37 -3.99	24.82 1.37 -5.93	25.02 1.33 -6.43	25.46 1.27 -7.92	26.37 1.25 -8.89	26.61 1.25 -9.16	27.31 1.38 -7.49	32.13 1.35 -12.05	37.42 1.51 -15.56	34.72 1.67 -10.22	34.12 1.76 -7.15	30.24 1.56 -6.08	23.70 1.48 -0.77	22.43 1.06 -5.57
CE_MILLWOOD___DRP 24193	21.02 0.90 -4.82	19.66 0.90 -4.01	18.85 0.83 -4.18	18.86 0.85 -3.58	19.80 0.79 -5.88	21.04 0.90 -4.94	25.05 1.27 -3.04	30.79 1.16 -10.67	28.18 1.37 -6.90	23.57 1.38 -3.06	23.06 1.33 -3.98	24.74 1.31 -5.90	24.96 1.29 -6.40	25.38 1.22 -7.89	26.30 1.22 -8.86	26.54 1.22 -9.12	27.24 1.35 -7.46	32.05 1.31 -12.00	37.31 1.46 -15.50	34.64 1.62 -10.18	34.04 1.71 -7.12	30.17 1.51 -6.06	23.65 1.44 -0.77	22.36 1.01 -5.54
CE_NYC2_DRP 24202	21.21 1.06 -4.85	19.82 1.03 -4.03	19.00 0.95 -4.20	19.00 0.97 -3.60	19.94 0.89 -5.91	21.13 0.96 -4.97	25.15 1.35 -3.06	30.93 1.23 -10.73	28.38 1.53 -6.94	23.80 1.59 -3.08	23.28 1.53 -4.00	24.99 1.52 -5.94	25.21 1.50 -6.44	25.64 1.43 -7.94	26.56 1.43 -8.91	26.78 1.39 -9.18	27.45 1.51 -7.50	32.27 1.46 -12.07	37.57 1.63 -15.60	34.86 1.78 -10.24	34.26 1.89 -7.16	30.37 1.67 -6.09	23.83 1.61 -0.77	22.53 1.15 -5.58
CE_NYC_DRP 24195	21.21 1.06 -4.85	19.82 1.03 -4.03	19.01 0.97 -4.20	19.01 0.98 -3.60	19.95 0.91 -5.91	21.19 1.02 -4.97	25.21 1.41 -3.06	31.01 1.31 -10.73	28.42 1.57 -6.94	23.81 1.61 -3.08	23.30 1.54 -4.00	25.00 1.54 -5.94	25.21 1.50 -6.44	25.64 1.43 -7.94	26.55 1.41 -8.91	26.78 1.39 -9.18	27.47 1.53 -7.50	32.29 1.48 -12.07	37.59 1.65 -15.59	34.88 1.80 -10.24	34.29 1.92 -7.16	30.41 1.72 -6.09	23.87 1.65 -0.77	22.55 1.17 -5.58
CHAFFEE___LFGE 323603	15.57 -0.55 -0.82	14.83 -0.61 -0.68	14.08 -0.47 -0.71	14.52 -0.52 -0.61	13.58 -0.55 -1.00	15.37 -0.67 -0.84	20.64 -0.62 -0.52	18.90 -0.55 -0.48	19.43 -0.80 -0.31	18.47 -0.79 -0.12	17.20 -0.73 -0.18	17.06 -0.72 -0.25	16.75 -0.79 -0.28	15.82 -0.80 -0.34	15.73 -0.88 -0.38	15.72 -0.88 -0.39	17.80 -0.96 -0.32	18.21 -1.05 -0.52	21.54 -1.34 -2.54	23.11 -1.44 -1.71	24.69 -1.72 -1.20	22.36 -1.27 -1.02	20.49 -1.09 -0.13	16.17 -0.57 -0.93
CHATEAUG_35_KV_LOAD 355732	15.39 0.06 -0.03	14.88 0.10 -0.02	13.93 0.07 -0.03	14.60 0.14 -0.02	13.32 0.14 -0.04	15.43 0.20 -0.03	21.03 0.27 -0.02	19.36 0.32 -0.07	20.17 0.22 -0.04	19.44 0.29 -0.02	18.03 0.25 -0.02	17.77 0.21 -0.03	17.48 0.17 -0.04	16.51 0.20 -0.05	16.52 0.24 -0.05	16.50 0.24 -0.05	18.76 0.28 -0.04	19.20 0.39 -0.07	20.85 0.41 -0.09	23.33 0.43 -0.06	25.63 0.38 -0.04	22.82 0.18 -0.04	21.56 0.11 0.00	15.90 0.06 -0.03
CHATEAUG_WT_PWR 323614	15.44 0.14 0.00	14.89 0.13 0.00	13.93 0.10 0.00	14.61 0.17 0.00	13.31 0.17 0.00	15.44 0.24 0.00	21.09 0.35 0.00	19.39 0.42 0.00	20.23 0.32 0.00	19.51 0.38 0.00	18.09 0.34 0.00	17.82 0.30 0.00	17.52 0.26 0.00	16.53 0.26 0.00	16.50 0.28 0.00	16.48 0.28 0.00	18.77 0.33 0.00	19.17 0.43 0.00	20.77 0.43 0.00	23.34 0.50 0.00	25.66 0.45 0.00	22.85 0.25 0.00	21.64 0.19 0.00	15.92 0.11 0.00
CHAT_HIGH_FALL_HYD 323578	15.41 0.11 0.00	14.86 0.10 0.00	13.91 0.07 0.00	14.58 0.14 0.00	13.28 0.14 0.00	15.40 0.20 0.00	21.01 0.27 0.00	19.29 0.32 0.00	20.13 0.22 0.00	19.42 0.29 0.00	18.01 0.25 0.00	17.73 0.21 0.00	17.44 0.17 0.00	16.47 0.20 0.00	16.45 0.23 0.00	16.43 0.23 0.00	18.71 0.28 0.00	19.13 0.39 0.00	20.73 0.39 0.00	23.27 0.43 0.00	25.59 0.38 0.00	22.78 0.18 0.00	21.56 0.11 0.00	15.87 0.06 0.00
CHAUTAUQUA___LFGE 323629	15.86 -0.23 -0.79	15.10 -0.31 -0.66	14.33 -0.19 -0.69	14.77 -0.25 -0.59	13.81 -0.29 -0.97	15.63 -0.38 -0.81	21.14 -0.10 -0.50	19.21 -0.23 -0.46	19.75 -0.46 -0.30	18.81 -0.44 -0.12	17.48 -0.44 -0.17	17.33 -0.57 -0.25	16.96 -0.62 -0.27	15.98 -0.73 -0.33	15.86 -0.75 -0.37	15.84 -0.75 -0.38	17.92 -0.83 -0.31	18.36 -0.88 -0.50	21.78 -1.02 -2.45	23.44 -1.05 -1.66	25.13 -1.23 -1.16	22.80 -0.79 -0.98	20.91 -0.67 -0.12	16.48 -0.22 -0.90
CHERRYST_13_KV_LD 356241	21.24 1.09 -4.85	19.86 1.08 -4.03	19.04 1.00 -4.20	19.05 1.02 -3.60	19.98 0.93 -5.91	21.22 1.05 -4.97	25.27 1.47 -3.06	31.06 1.37 -10.73	28.48 1.63 -6.94	23.89 1.68 -3.08	23.37 1.62 -4.00	25.07 1.61 -5.94	25.28 1.57 -6.44	25.69 1.48 -7.94	26.61 1.48 -8.91	26.83 1.44 -9.18	27.52 1.59 -7.50	32.35 1.54 -12.07	37.65 1.71 -15.59	34.95 1.87 -10.24	34.36 1.99 -7.16	30.46 1.76 -6.09	23.92 1.69 -0.77	22.60 1.22 -5.58
CHESTROR_138KV_BK263 355645	20.58 0.78 -4.50	19.27 0.77 -3.74	18.46 0.72 -3.90	18.49 0.72 -3.34	19.32 0.70 -5.49	20.61 0.79 -4.62	24.72 1.14 -2.84	29.97 1.04 -9.96	27.57 1.21 -6.44	23.16 1.19 -2.84	22.60 1.14 -3.71	24.14 1.12 -5.50	24.34 1.10 -5.97	24.66 1.04 -7.35	25.50 1.02 -8.25	25.75 1.05 -8.50	26.56 1.18 -6.95	31.08 1.16 -11.18	36.05 1.26 -14.44	33.76 1.42 -9.51	33.37 1.51 -6.65	29.59 1.33 -5.66	23.41 1.24 -0.72	21.88 0.90 -5.18
CH_MIDHUDSON___DRP 24192	20.99 0.81 -4.88	19.62 0.81 -4.06	18.82 0.75 -4.23	18.80 0.75 -3.62	19.82 0.74 -5.95	21.04 0.84 -5.01	24.98 1.16 -3.08	30.83 1.06 -10.80	28.17 1.27 -6.98	23.38 1.24 -3.01	22.93 1.17 -4.00	24.56 1.14 -5.90	24.80 1.12 -6.41	25.23 1.06 -7.90	26.14 1.05 -8.86	26.40 1.09 -9.11	27.11 1.22 -7.46	31.95 1.18 -12.03	37.20 1.34 -15.51	34.63 1.48 -10.30	34.00 1.59 -7.21	30.13 1.40 -6.13	23.56 1.33 -0.78	22.35 0.93 -5.61
CH_MISC_IPPS 23765	21.02 0.90 -4.82	19.63 0.87 -4.01	18.83 0.82 -4.18	18.80 0.79 -3.58	19.81 0.80 -5.88	21.07 0.93 -4.95	25.07 1.29 -3.04	31.29 1.18 -11.14	28.51 1.39 -7.20	23.58 1.34 -3.11	23.15 1.26 -4.13	24.82 1.21 -6.09	25.09 1.21 -6.62	25.57 1.14 -8.16	26.50 1.14 -9.14	26.83 1.22 -9.40	27.52 1.38 -7.70	32.50 1.35 -12.42	37.20 1.51 -15.35	34.71 1.67 -10.21	34.19 1.84 -7.14	30.26 1.58 -6.07	23.66 1.44 -0.77	22.39 1.03 -5.56
CH_RES_BVR_FALLS 23983	15.10 -0.20 0.00	14.59 -0.16 0.00	13.69 -0.15 0.00	14.29 -0.14 0.00	13.02 -0.12 0.00	15.06 -0.14 0.00	20.49 -0.25 0.00	18.78 -0.19 0.00	19.69 -0.22 0.00	18.94 -0.19 0.00	17.58 -0.18 0.00	17.33 -0.19 0.00	17.06 -0.21 0.00	16.08 -0.19 0.00	16.01 -0.21 0.00	15.98 -0.23 0.00	18.14 -0.30 0.00	18.46 -0.28 0.00	20.04 -0.30 0.00	22.50 -0.34 0.00	24.83 -0.38 0.00	22.26 -0.34 0.00	21.17 -0.28 0.00	15.63 -0.17 0.00

CH_RES_NIAGARA 23895	15.12 -0.90 -0.72	14.41 -0.94 -0.60	13.69 -0.77 -0.63	14.13 -0.84 -0.54	13.19 -0.83 -0.88	14.90 -1.03 -0.74	20.03 -1.16 -0.46	17.95 -1.44 -0.42	18.47 -1.71 -0.27	17.60 -1.65 -0.11	16.40 -1.51 -0.15	16.26 -1.49 -0.22	15.97 -1.54 -0.24	15.06 -1.51 -0.30	14.99 -1.57 -0.34	14.98 -1.57 -0.34	16.93 -1.79 -0.28	17.30 -1.89 -0.46	20.56 -2.01 -2.23	22.16 -2.19 -1.51	23.67 -2.60 -1.06	21.47 -2.03 -0.90	19.83 -1.74 -0.11	15.66 -0.96 -0.82
CH_RES_SYRACUSE 23985	15.63 -0.18 -0.51	14.99 -0.19 -0.43	14.12 -0.17 -0.44	14.61 -0.20 -0.38	13.56 -0.20 -0.62	15.52 -0.20 -0.52	20.90 -0.17 -0.32	19.01 -0.25 -0.29	19.76 -0.34 -0.19	18.82 -0.38 -0.08	17.49 -0.37 -0.11	17.31 -0.37 -0.15	17.09 -0.35 -0.17	16.14 -0.34 -0.21	16.11 -0.34 -0.23	16.09 -0.36 -0.24	18.26 -0.37 -0.20	18.66 -0.39 -0.32	21.64 -0.28 -1.58	23.70 -0.23 -1.09	25.75 -0.23 -0.76	23.07 -0.18 -0.65	21.32 -0.21 -0.08	16.24 -0.16 -0.60
CLINTON_WT_PWR 323605	15.44 0.14 0.00	14.89 0.13 0.00	13.93 0.10 0.00	14.61 0.17 0.00	13.31 0.17 0.00	15.44 0.24 0.00	21.09 0.35 0.00	19.39 0.42 0.00	20.23 0.32 0.00	19.51 0.38 0.00	18.09 0.34 0.00	17.82 0.30 0.00	17.52 0.26 0.00	16.53 0.26 0.00	16.50 0.28 0.00	16.48 0.28 0.00	18.77 0.33 0.00	19.17 0.43 0.00	20.77 0.43 0.00	23.34 0.50 0.00	25.66 0.45 0.00	22.85 0.25 0.00	21.64 0.19 0.00	15.92 0.11 0.00
CLINTON___LFGE 323618	15.70 0.40 0.00	15.13 0.37 0.00	14.13 0.29 0.00	14.84 0.40 0.00	13.53 0.39 0.00	15.73 0.53 0.00	21.55 0.81 0.00	19.80 0.83 0.00	20.63 0.72 0.00	19.93 0.80 0.00	18.47 0.71 0.00	18.17 0.65 0.00	17.85 0.59 0.00	16.84 0.57 0.00	16.81 0.58 0.00	16.81 0.60 0.00	19.19 0.76 0.00	19.64 0.90 0.00	21.28 0.94 0.00	23.93 1.10 0.00	26.24 1.03 0.00	23.33 0.72 0.00	22.03 0.58 0.00	16.17 0.36 0.00
COBBLENY_34_KV_TB1 80064	15.64 -0.44 -0.78	14.80 -0.61 -0.65	14.04 -0.47 -0.67	14.49 -0.52 -0.58	13.53 -0.55 -0.95	15.31 -0.68 -0.80	20.61 -0.62 -0.49	20.14 -0.55 -1.72	20.23 -0.80 -1.11	18.80 -0.78 -0.45	17.66 -0.73 -0.63	17.72 -0.72 -0.91	17.48 -0.78 -0.99	16.70 -0.80 -1.23	16.73 -0.86 -1.37	16.75 -0.86 -1.41	18.69 -0.90 -1.15	19.62 -0.99 -1.87	21.37 -1.38 -2.40	23.09 -1.39 -1.64	24.72 -1.64 -1.15	22.38 -1.20 -0.98	20.46 -1.12 -0.12	16.13 -0.57 -0.89
COFFEEN___115KV_TB3 355620	15.30 -0.26 -0.26	14.68 -0.30 -0.22	13.77 -0.29 -0.23	14.32 -0.30 -0.19	13.19 -0.26 -0.32	15.22 -0.24 -0.27	20.68 -0.23 -0.17	19.23 -0.32 -0.58	19.69 -0.60 -0.38	18.62 -0.67 -0.15	17.26 -0.71 -0.21	17.15 -0.68 -0.31	16.95 -0.66 -0.34	16.10 -0.59 -0.42	16.07 -0.62 -0.47	16.05 -0.63 -0.48	18.16 -0.66 -0.39	18.81 -0.56 -0.64	20.74 -0.43 -0.82	23.07 -0.32 -0.55	25.57 -0.03 -0.39	22.75 -0.18 -0.33	21.17 -0.32 -0.04	15.84 -0.27 -0.30
COLDSPRG_115KV_BK1 355956	16.17 0.06 -0.81	15.31 -0.12 -0.67	14.51 -0.03 -0.70	14.97 -0.06 -0.60	13.99 -0.13 -0.99	15.88 -0.15 -0.83	21.50 0.25 -0.51	21.14 0.38 -1.79	21.21 0.14 -1.16	19.71 0.11 -0.47	18.50 0.09 -0.66	18.54 0.07 -0.95	18.23 -0.07 -1.04	17.40 -0.15 -1.28	17.41 -0.24 -1.43	17.40 -0.28 -1.47	19.40 -0.24 -1.20	20.41 -0.28 -1.95	22.20 -0.65 -2.51	23.95 -0.59 -1.71	25.77 -0.63 -1.20	23.33 -0.29 -1.02	21.24 -0.34 -0.13	16.70 -0.03 -0.93
COLONIE_LFGE___ 323577	22.02 0.54 -6.18	20.38 0.49 -5.14	19.67 0.47 -5.36	19.51 0.49 -4.59	21.11 0.43 -7.54	22.06 0.52 -6.34	25.39 0.75 -3.91	33.68 0.63 -14.08	29.75 0.74 -9.11	23.11 0.67 -3.31	23.42 0.60 -5.06	25.27 0.60 -7.15	25.70 0.59 -7.85	26.52 0.55 -9.69	27.52 0.52 -10.77	27.70 0.50 -10.99	28.12 0.63 -9.06	34.21 0.64 -14.83	39.44 0.71 -18.38	36.73 0.82 -13.07	35.26 0.91 -9.14	31.21 0.84 -7.77	23.27 0.84 -0.98	23.43 0.51 -7.12
COOPERNY_115KV_TB1 80082	18.61 0.55 -2.75	17.58 0.53 -2.29	16.72 0.50 -2.39	16.98 0.51 -2.04	16.96 0.47 -3.36	18.57 0.55 -2.82	23.26 0.79 -1.74	25.80 0.74 -6.09	24.71 0.86 -3.94	21.65 0.82 -1.69	20.81 0.80 -2.26	21.63 0.79 -3.32	21.65 0.78 -3.61	21.46 0.73 -4.45	21.94 0.73 -4.99	22.07 0.73 -5.13	23.47 0.83 -4.20	26.34 0.82 -6.78	29.94 0.85 -8.74	29.54 0.89 -5.81	30.26 0.98 -4.07	26.92 0.86 -3.46	22.70 0.82 -0.44	19.56 0.58 -3.17
COPENHAGEN_WT_PWR 323753	15.27 -0.32 -0.29	14.63 -0.37 -0.24	13.74 -0.35 -0.25	14.29 -0.36 -0.22	13.17 -0.32 -0.35	15.18 -0.32 -0.30	20.59 -0.33 -0.18	18.55 -0.42 0.00	19.24 -0.68 0.00	18.40 -0.73 0.00	17.03 -0.73 0.00	16.82 -0.70 0.00	16.57 -0.69 0.00	15.65 -0.62 0.00	15.57 -0.65 0.00	15.54 -0.67 0.00	17.72 -0.72 0.00	18.10 -0.64 0.00	20.72 -0.53 -0.90	22.99 -0.46 -0.60	25.40 -0.23 -0.42	22.65 -0.32 -0.36	21.07 -0.43 -0.05	15.80 -0.33 -0.33
CORNELL___ 23752	16.49 0.20 -0.99	15.73 0.15 -0.82	14.85 0.15 -0.86	15.30 0.13 -0.74	14.45 0.11 -1.21	16.37 0.15 -1.02	21.74 0.37 -0.63	21.32 0.15 -2.20	21.33 0.00 -1.42	19.61 -0.10 -0.57	18.42 -0.14 -0.80	18.56 -0.12 -1.16	18.43 -0.10 -1.27	17.71 -0.13 -1.57	17.84 -0.13 -1.75	17.85 -0.15 -1.79	19.82 -0.09 -1.47	21.05 -0.07 -2.39	23.60 0.18 -3.07	25.34 0.41 -2.10	27.20 0.53 -1.47	24.35 0.50 -1.25	21.97 0.36 -0.16	17.21 0.27 -1.14
CORONA_AAV_69_KV_TB1 355595	24.61 1.29 -8.02	22.33 1.27 -6.31	19.23 1.19 -4.20	19.92 1.23 -4.26	20.16 1.12 -5.91	24.22 1.28 -7.74	29.64 1.76 -7.14	31.26 1.56 -10.73	30.75 1.85 -8.99	26.54 1.86 -5.55	26.82 1.72 -7.34	26.74 1.72 -7.50	26.26 1.67 -7.32	26.51 1.58 -8.66	26.69 1.56 -8.91	27.10 1.56 -9.34	27.96 1.73 -7.79	32.92 1.71 -12.48	38.52 1.89 -16.28	38.00 2.10 -13.06	42.87 2.27 -15.39	34.56 2.03 -9.93	26.45 1.97 -3.02	22.79 1.41 -5.58
CORTLAND_115KV_TB3 80093	16.27 0.11 -0.86	15.53 0.06 -0.71	14.64 0.06 -0.75	15.11 0.04 -0.64	14.21 0.03 -1.05	16.14 0.06 -0.88	21.51 0.23 -0.54	20.93 0.06 -1.90	21.06 -0.08 -1.23	19.47 -0.15 -0.50	18.28 -0.18 -0.70	18.36 -0.18 -1.01	18.21 -0.16 -1.10	17.46 -0.16 -1.36	17.56 -0.18 -1.52	17.57 -0.19 -1.55	19.54 -0.17 -1.28	20.66 -0.15 -2.07	23.09 0.08 -2.66	24.86 0.21 -1.82	26.76 0.28 -1.27	23.93 0.25 -1.08	21.76 0.17 -0.14	16.92 0.13 -0.99
COXSACKIE___GT 23611	21.46 0.50 -5.66	19.87 0.41 -4.70	19.14 0.40 -4.91	18.96 0.33 -4.20	20.49 0.46 -6.90	21.59 0.59 -5.80	25.20 0.89 -3.57	32.71 0.80 -12.94	29.10 0.82 -8.37	23.17 0.78 -3.25	23.01 0.55 -4.71	24.73 0.45 -6.76	25.12 0.47 -7.38	25.79 0.41 -9.12	26.81 0.42 -10.17	27.11 0.50 -10.40	27.63 0.64 -8.55	33.35 0.69 -13.92	38.43 0.83 -17.25	35.77 0.96 -11.97	34.79 1.21 -8.38	30.74 1.02 -7.12	23.23 0.88 -0.90	22.91 0.59 -6.52
CPV_VALLEY___CC1 323721	20.60 0.83 -4.47	19.27 0.80 -3.72	18.45 0.73 -3.88	18.50 0.75 -3.32	19.29 0.71 -5.45	20.59 0.80 -4.59	24.70 1.14 -2.82	30.40 1.04 -10.38	27.88 1.26 -6.71	23.29 1.23 -2.94	22.79 1.17 -3.86	24.39 1.16 -5.71	24.60 1.14 -6.20	24.99 1.07 -7.64	25.88 1.09 -8.57	26.15 1.12 -8.82	26.91 1.25 -7.22	31.58 1.22 -11.63	35.99 1.32 -14.32	33.76 1.46 -9.46	33.42 1.59 -6.62	29.64 1.40 -5.63	23.45 1.29 -0.71	21.86 0.90 -5.15

CPV_VALLEY___CC2 323722	20.60 0.83 -4.47	19.27 0.80 -3.72	18.45 0.73 -3.88	18.50 0.75 -3.32	19.29 0.71 -5.45	20.59 0.80 -4.59	24.70 1.14 -2.82	30.40 1.04 -10.38	27.88 1.26 -6.71	23.29 1.23 -2.94	22.79 1.17 -3.86	24.39 1.16 -5.71	24.60 1.14 -6.20	24.99 1.07 -7.64	25.88 1.09 -8.57	26.15 1.12 -8.82	26.91 1.25 -7.22	31.58 1.22 -11.63	35.99 1.32 -14.32	33.76 1.46 -9.46	33.42 1.59 -6.62	29.64 1.40 -5.63	23.45 1.29 -0.71	21.86 0.90 -5.15
CRESCENT___HYD 24018	22.02 0.54 -6.18	20.38 0.49 -5.14	19.67 0.47 -5.36	19.51 0.49 -4.59	21.11 0.43 -7.54	22.06 0.52 -6.34	25.39 0.75 -3.91	33.68 0.63 -14.08	29.75 0.74 -9.11	23.11 0.67 -3.31	23.42 0.60 -5.06	25.27 0.60 -7.15	25.70 0.59 -7.85	26.52 0.55 -9.69	27.52 0.52 -10.77	27.70 0.50 -10.99	28.12 0.63 -9.06	34.21 0.64 -14.83	39.44 0.71 -18.38	36.73 0.82 -13.07	35.26 0.91 -9.14	31.21 0.84 -7.77	23.27 0.84 -0.98	23.43 0.51 -7.12
CRICKET___VALLEY_CC1 323756	21.10 0.66 -5.14	19.66 0.63 -4.27	18.90 0.61 -4.46	18.86 0.62 -3.81	19.95 0.55 -6.27	21.09 0.62 -5.27	24.88 0.89 -3.25	31.60 0.80 -11.84	28.56 1.00 -7.65	19.67 0.96 0.41	22.12 0.92 -3.44	21.62 0.91 -3.19	22.09 0.90 -3.93	22.08 0.85 -4.96	22.08 0.86 -5.00	21.68 0.87 -4.60	23.56 0.98 -4.15	27.70 0.94 -8.02	29.89 1.04 -8.51	34.87 1.16 -10.87	34.07 1.26 -7.60	30.20 1.13 -6.47	23.32 1.05 -0.82	22.44 0.71 -5.92
CRICKET___VALLEY_CC2 323757	21.10 0.66 -5.14	19.66 0.63 -4.27	18.90 0.61 -4.46	18.86 0.62 -3.81	19.95 0.55 -6.27	21.09 0.62 -5.27	24.88 0.89 -3.25	31.60 0.80 -11.84	28.56 1.00 -7.65	19.67 0.96 0.41	22.12 0.92 -3.44	21.62 0.91 -3.19	22.09 0.90 -3.93	22.08 0.85 -4.96	22.08 0.86 -5.00	21.68 0.87 -4.60	23.56 0.98 -4.15	27.70 0.94 -8.02	29.89 1.04 -8.51	34.87 1.16 -10.87	34.07 1.26 -7.60	30.20 1.13 -6.47	23.32 1.05 -0.82	22.44 0.71 -5.92
CRICKET___VALLEY_CC3 323758	21.10 0.66 -5.14	19.66 0.63 -4.27	18.90 0.61 -4.46	18.86 0.62 -3.81	19.95 0.55 -6.27	21.09 0.62 -5.27	24.88 0.89 -3.25	31.60 0.80 -11.84	28.56 1.00 -7.65	19.67 0.96 0.41	22.12 0.92 -3.44	21.62 0.91 -3.19	22.09 0.90 -3.93	22.08 0.85 -4.96	22.08 0.86 -5.00	21.68 0.87 -4.60	23.56 0.98 -4.15	27.70 0.94 -8.02	29.89 1.04 -8.51	34.87 1.16 -10.87	34.07 1.26 -7.60	30.20 1.13 -6.47	23.32 1.05 -0.82	22.44 0.71 -5.92
CRUCIBLE_METL_DRP 24180	15.65 -0.15 -0.50	14.98 -0.19 -0.42	14.11 -0.17 -0.44	14.60 -0.20 -0.37	13.55 -0.20 -0.61	15.52 -0.20 -0.52	20.89 -0.17 -0.32	19.83 -0.25 -1.11	20.29 -0.34 -0.72	19.04 -0.38 -0.29	17.79 -0.37 -0.41	17.76 -0.35 -0.59	17.56 -0.35 -0.64	16.72 -0.34 -0.79	16.77 -0.34 -0.89	16.76 -0.36 -0.91	18.83 -0.35 -0.75	19.57 -0.37 -1.21	21.61 -0.28 -1.55	23.67 -0.23 -1.06	25.72 -0.23 -0.74	23.08 -0.16 -0.63	21.32 -0.21 -0.08	16.22 -0.16 -0.58
DAHOWA___HYDRO 323763	22.27 0.66 -6.31	20.58 0.57 -5.25	19.87 0.55 -5.48	19.69 0.58 -4.68	21.35 0.51 -7.70	22.30 0.62 -6.48	25.72 1.00 -3.99	34.16 0.83 -14.36	30.05 0.86 -9.28	23.39 0.82 -3.44	23.66 0.73 -5.18	25.59 0.72 -7.35	26.01 0.69 -8.05	26.85 0.63 -9.95	27.71 0.42 -11.07	27.93 0.42 -11.30	28.28 0.53 -9.31	34.55 0.60 -15.22	39.92 0.67 -18.90	36.95 0.78 -13.34	35.52 0.98 -9.33	31.42 0.88 -7.94	23.51 1.05 -1.00	23.75 0.68 -7.26
DANC___LFGE 323619	15.29 -0.35 -0.34	14.66 -0.38 -0.28	13.77 -0.36 -0.30	14.30 -0.39 -0.25	13.20 -0.35 -0.42	15.17 -0.38 -0.35	20.54 -0.41 -0.22	18.46 -0.51 0.00	19.21 -0.70 0.00	18.39 -0.75 0.00	17.03 -0.73 0.00	16.82 -0.70 0.00	16.59 -0.67 0.00	15.64 -0.63 0.00	15.57 -0.65 0.00	15.54 -0.67 0.00	17.70 -0.74 0.00	18.04 -0.69 0.00	20.81 -0.59 -1.05	23.01 -0.55 -0.72	25.33 -0.38 -0.50	22.62 -0.41 -0.43	21.03 -0.47 -0.05	15.83 -0.36 -0.39
DANSKAMMER___1 23586	21.02 0.90 -4.82	19.63 0.87 -4.01	18.83 0.82 -4.18	18.80 0.79 -3.58	19.81 0.80 -5.88	21.07 0.93 -4.95	25.07 1.29 -3.04	31.29 1.18 -11.14	28.51 1.39 -7.20	23.58 1.34 -3.11	23.15 1.26 -4.13	24.82 1.21 -6.09	25.09 1.21 -6.62	25.57 1.14 -8.16	26.50 1.14 -9.14	26.83 1.22 -9.40	27.52 1.38 -7.70	32.50 1.35 -12.42	37.20 1.51 -15.35	34.71 1.67 -10.21	34.19 1.84 -7.14	30.26 1.58 -6.07	23.66 1.44 -0.77	22.39 1.03 -5.56
DANSKAMMER___2 23589	21.02 0.90 -4.82	19.63 0.87 -4.01	18.83 0.82 -4.18	18.80 0.79 -3.58	19.81 0.80 -5.88	21.07 0.93 -4.95	25.07 1.29 -3.04	31.29 1.18 -11.14	28.51 1.39 -7.20	23.58 1.34 -3.11	23.15 1.26 -4.13	24.82 1.21 -6.09	25.09 1.21 -6.62	25.57 1.14 -8.16	26.50 1.14 -9.14	26.83 1.22 -9.40	27.52 1.38 -7.70	32.50 1.35 -12.42	37.20 1.51 -15.35	34.71 1.67 -10.21	34.19 1.84 -7.14	30.26 1.58 -6.07	23.66 1.44 -0.77	22.39 1.03 -5.56
DANSKAMMER___3 23590	21.02 0.90 -4.82	19.63 0.87 -4.01	18.83 0.82 -4.18	18.80 0.79 -3.58	19.81 0.80 -5.88	21.07 0.93 -4.95	25.07 1.29 -3.04	31.29 1.18 -11.14	28.51 1.39 -7.20	23.58 1.34 -3.11	23.15 1.26 -4.13	24.82 1.21 -6.09	25.09 1.21 -6.62	25.57 1.14 -8.16	26.50 1.14 -9.14	26.83 1.22 -9.40	27.52 1.38 -7.70	32.50 1.35 -12.42	37.20 1.51 -15.35	34.71 1.67 -10.21	34.19 1.84 -7.14	30.26 1.58 -6.07	23.66 1.44 -0.77	22.39 1.03 -5.56
DANSKAMMER___4 23591	21.02 0.90 -4.82	19.63 0.87 -4.01	18.83 0.82 -4.18	18.80 0.79 -3.58	19.81 0.80 -5.88	21.07 0.93 -4.95	25.07 1.29 -3.04	31.29 1.18 -11.14	28.51 1.39 -7.20	23.58 1.34 -3.11	23.15 1.26 -4.13	24.82 1.21 -6.09	25.09 1.21 -6.62	25.57 1.14 -8.16	26.50 1.14 -9.14	26.83 1.22 -9.40	27.52 1.38 -7.70	32.50 1.35 -12.42	37.20 1.51 -15.35	34.71 1.67 -10.21	34.19 1.84 -7.14	30.26 1.58 -6.07	23.66 1.44 -0.77	22.39 1.03 -5.56
DANSKAMMER___DIESEL 23592	20.96 0.89 -4.77	19.59 0.87 -3.96	18.79 0.82 -4.13	18.76 0.79 -3.54	19.75 0.80 -5.81	21.02 0.93 -4.89	25.04 1.29 -3.01	30.70 1.18 -10.55	28.13 1.39 -6.82	23.44 1.34 -2.97	22.94 1.26 -3.92	24.52 1.21 -5.79	24.75 1.19 -6.29	25.16 1.14 -7.75	26.04 1.12 -8.70	26.34 1.18 -8.95	27.08 1.33 -7.32	31.83 1.29 -11.80	37.03 1.46 -15.22	34.55 1.64 -10.07	34.02 1.76 -7.04	30.13 1.54 -5.99	23.65 1.44 -0.76	22.32 1.03 -5.48
DARBY___SOLAR 323810	22.21 0.61 -6.29	20.58 0.59 -5.23	19.85 0.55 -5.46	19.68 0.58 -4.67	21.32 0.51 -7.67	22.28 0.62 -6.45	25.71 1.00 -3.97	33.73 0.83 -13.93	29.79 0.88 -9.00	23.33 0.84 -3.35	23.53 0.75 -5.03	25.42 0.75 -7.14	25.81 0.73 -7.82	26.60 0.67 -9.66	27.63 0.65 -10.75	27.82 0.63 -10.98	28.27 0.79 -9.05	34.36 0.84 -14.78	40.15 0.92 -18.89	37.18 1.05 -13.29	35.79 1.29 -9.29	31.64 1.13 -7.91	23.50 1.05 -1.00	23.71 0.66 -7.24
DASHVILLE___HYD 23610	20.75 0.70 -4.75	19.41 0.71 -3.95	18.60 0.65 -4.12	18.56 0.61 -3.52	19.58 0.66 -5.79	20.81 0.74 -4.87	24.69 0.95 -3.00	30.37 0.89 -10.51	27.88 1.17 -6.79	23.49 1.51 -2.84	22.73 1.10 -3.87	24.26 1.07 -5.67	24.48 1.05 -6.16	24.88 1.01 -7.60	25.74 1.01 -8.51	26.02 1.07 -8.74	26.76 1.16 -7.16	31.43 1.11 -11.59	36.54 1.28 -14.91	34.26 1.39 -10.03	33.68 1.46 -7.01	29.81 1.24 -5.96	23.36 1.16 -0.75	22.06 0.79 -5.46

DEERFIELD_69_KV_DEERFIELD LD 355887	24.93 1.61 -8.02	22.69 1.62 -6.31	19.56 1.52 -4.20	20.27 1.57 -4.26	20.48 1.43 -5.91	24.60 1.66 -7.74	30.30 2.43 -7.14	31.85 2.14 -10.73	31.41 2.51 -8.99	27.00 2.31 -5.55	27.19 2.10 -7.34	27.10 2.09 -7.50	26.63 2.04 -7.32	26.87 1.94 -8.66	26.99 1.85 -8.91	27.43 1.88 -9.34	28.42 2.19 -7.79	33.33 2.12 -12.48	38.95 2.32 -16.28	38.55 2.65 -13.06	43.24 2.65 -15.39	35.08 2.55 -9.93	26.90 2.42 -3.02	23.14 1.75 -5.58
DELAWARE___LFGE 323621	17.63 0.41 -1.92	16.74 0.38 -1.60	15.86 0.36 -1.66	16.22 0.36 -1.42	15.80 0.33 -2.34	17.56 0.40 -1.97	22.57 0.62 -1.21	23.82 0.61 -4.25	23.30 0.64 -2.75	20.83 0.59 -1.11	19.85 0.53 -1.56	20.30 0.53 -2.26	20.26 0.54 -2.46	19.81 0.50 -3.04	20.08 0.47 -3.39	20.15 0.47 -3.48	21.84 0.55 -2.85	23.93 0.56 -4.63	26.82 0.53 -5.95	27.55 0.66 -4.05	28.83 0.78 -2.83	25.74 0.72 -2.41	22.40 0.64 -0.30	18.47 0.46 -2.21
DERFIELD_115KV_TB7 355931	15.32 -0.02 -0.03	14.77 -0.01 -0.03	13.85 -0.01 -0.03	14.43 -0.03 -0.03	13.15 -0.03 -0.04	15.22 -0.02 -0.04	20.76 0.00 -0.02	19.04 0.00 -0.08	19.96 0.00 -0.05	19.13 -0.02 -0.02	17.77 -0.02 -0.03	17.54 -0.02 -0.04	17.29 -0.02 -0.04	16.31 -0.02 -0.05	16.27 -0.02 -0.06	16.25 -0.02 -0.06	18.47 -0.02 -0.05	18.78 -0.04 -0.08	20.43 -0.02 -0.10	22.91 0.00 -0.07	25.26 0.00 -0.05	22.67 0.02 -0.04	21.46 0.00 -0.01	15.83 -0.02 -0.04
DOGLEVILLE___HYD 23807	15.13 -0.17 0.00	14.64 -0.12 0.00	13.74 -0.10 0.00	14.33 -0.10 0.00	13.04 -0.09 0.00	15.12 -0.08 0.00	20.57 -0.17 0.00	18.76 -0.21 0.00	19.71 -0.20 0.00	18.94 -0.19 0.00	17.56 -0.19 0.00	17.31 -0.21 0.00	17.06 -0.21 0.00	16.09 -0.18 0.00	16.01 -0.21 0.00	15.99 -0.21 0.00	18.19 -0.24 0.00	18.47 -0.26 0.00	20.06 -0.28 0.00	22.52 -0.32 0.00	24.88 -0.33 0.00	22.38 -0.23 0.00	21.26 -0.19 0.00	15.66 -0.14 0.00
DUNKIRK___115KV_TB_200 55889	15.90 -0.15 -0.75	15.04 -0.34 -0.63	14.28 -0.21 -0.65	14.73 -0.26 -0.56	13.75 -0.30 -0.92	15.57 -0.40 -0.77	21.07 -0.15 -0.47	20.37 -0.27 -1.66	20.49 -0.50 -1.08	19.09 -0.48 -0.43	17.89 -0.48 -0.61	17.93 -0.47 -0.88	17.64 -0.59 -0.96	16.81 -0.65 -1.19	16.80 -0.75 -1.33	16.80 -0.76 -1.36	18.78 -0.77 -1.12	19.71 -0.84 -1.81	21.62 -1.06 -2.33	23.40 -1.03 -1.59	25.13 -1.18 -1.11	22.80 -0.75 -0.94	20.86 -0.71 -0.12	16.42 -0.25 -0.87
DUNKIRK___1 23563	15.90 -0.15 -0.75	15.04 -0.34 -0.63	14.28 -0.21 -0.65	14.73 -0.26 -0.56	13.75 -0.30 -0.92	15.57 -0.40 -0.77	21.07 -0.15 -0.47	20.37 -0.27 -1.66	20.49 -0.50 -1.08	19.09 -0.48 -0.43	17.89 -0.48 -0.61	17.93 -0.47 -0.88	17.64 -0.59 -0.96	16.81 -0.65 -1.19	16.80 -0.75 -1.33	16.80 -0.76 -1.36	18.78 -0.77 -1.12	19.71 -0.84 -1.81	21.62 -1.06 -2.33	23.40 -1.03 -1.59	25.13 -1.18 -1.11	22.80 -0.75 -0.94	20.86 -0.71 -0.12	16.42 -0.25 -0.87
DUNKIRK___2 23564	15.90 -0.15 -0.75	15.04 -0.34 -0.63	14.28 -0.21 -0.65	14.73 -0.26 -0.56	13.75 -0.30 -0.92	15.57 -0.40 -0.77	21.07 -0.15 -0.47	20.37 -0.27 -1.66	20.49 -0.50 -1.08	19.09 -0.48 -0.43	17.89 -0.48 -0.61	17.93 -0.47 -0.88	17.64 -0.59 -0.96	16.81 -0.65 -1.19	16.80 -0.75 -1.33	16.80 -0.76 -1.36	18.78 -0.77 -1.12	19.71 -0.84 -1.81	21.62 -1.06 -2.33	23.40 -1.03 -1.59	25.13 -1.18 -1.11	22.80 -0.75 -0.94	20.86 -0.71 -0.12	16.42 -0.25 -0.87
DUNKIRK___3 23565	15.84 -0.21 -0.75	14.99 -0.38 -0.62	14.22 -0.26 -0.65	14.67 -0.32 -0.55	13.69 -0.35 -0.91	15.51 -0.46 -0.77	20.96 -0.25 -0.47	20.26 -0.36 -1.65	20.38 -0.60 -1.07	18.99 -0.57 -0.43	17.79 -0.57 -0.61	17.86 -0.54 -0.88	17.57 -0.66 -0.96	16.75 -0.70 -1.18	16.76 -0.78 -1.32	16.76 -0.79 -1.35	18.71 -0.83 -1.11	19.64 -0.90 -1.80	21.52 -1.14 -2.31	23.32 -1.10 -1.58	25.03 -1.29 -1.10	22.68 -0.86 -0.94	20.78 -0.79 -0.12	16.33 -0.33 -0.86
DUNKIRK___4 23566	15.84 -0.21 -0.75	14.99 -0.38 -0.62	14.22 -0.26 -0.65	14.67 -0.32 -0.55	13.69 -0.35 -0.91	15.51 -0.46 -0.77	20.96 -0.25 -0.47	20.26 -0.36 -1.65	20.38 -0.60 -1.07	18.99 -0.57 -0.43	17.79 -0.57 -0.61	17.86 -0.54 -0.88	17.57 -0.66 -0.96	16.75 -0.70 -1.18	16.76 -0.78 -1.32	16.76 -0.79 -1.35	18.71 -0.83 -1.11	19.64 -0.90 -1.80	21.52 -1.14 -2.31	23.32 -1.10 -1.58	25.03 -1.29 -1.10	22.68 -0.86 -0.94	20.78 -0.79 -0.12	16.33 -0.33 -0.86
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	21.11 0.96 -4.85	19.73 0.94 -4.03	18.93 0.89 -4.20	18.94 0.91 -3.60	19.89 0.84 -5.91	21.13 0.96 -4.97	25.13 1.33 -3.06	30.91 1.21 -10.73	28.32 1.47 -6.94	23.68 1.47 -3.08	23.18 1.42 -4.00	24.88 1.42 -5.94	25.09 1.38 -6.44	25.53 1.32 -7.94	26.43 1.30 -8.91	26.68 1.30 -9.18	27.36 1.42 -7.50	32.20 1.39 -12.07	37.49 1.55 -15.60	34.79 1.71 -10.24	34.19 1.82 -7.16	30.30 1.60 -6.09	23.77 1.54 -0.77	22.47 1.09 -5.58
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	20.74 0.86 -4.58	19.41 0.84 -3.81	18.58 0.77 -3.97	18.60 0.76 -3.40	19.48 0.76 -5.59	20.78 0.88 -4.70	24.86 1.22 -2.89	30.23 1.12 -10.14	27.80 1.33 -6.56	23.30 1.30 -2.87	22.75 1.23 -3.77	24.29 1.19 -5.58	24.49 1.17 -6.05	24.84 1.11 -7.46	25.70 1.10 -8.37	25.96 1.13 -8.62	26.76 1.27 -7.05	31.35 1.26 -11.36	36.41 1.40 -14.66	34.07 1.55 -9.68	33.67 1.69 -6.77	29.83 1.47 -5.76	23.55 1.37 -0.73	22.05 0.98 -5.27
E179THST_138_KV_TB4_REV_LBMP_J 345001	21.21 1.06 -4.85	19.82 1.03 -4.03	18.98 0.94 -4.20	18.97 0.94 -3.60	19.91 0.87 -5.91	21.07 0.90 -4.97	25.04 1.24 -3.06	30.84 1.14 -10.73	28.28 1.43 -6.94	23.72 1.51 -3.08	23.21 1.46 -4.00	24.92 1.45 -5.94	25.14 1.43 -6.44	25.58 1.37 -7.94	26.48 1.35 -8.91	26.70 1.31 -9.18	27.38 1.44 -7.50	32.18 1.37 -12.07	37.49 1.55 -15.60	34.77 1.69 -10.24	34.14 1.76 -7.16	30.25 1.56 -6.09	23.72 1.50 -0.77	22.49 1.11 -5.58
E179THST_13_KV_LOAD 356214	21.27 1.12 -4.85	19.88 1.09 -4.03	19.04 1.00 -4.20	19.02 1.00 -3.60	19.97 0.92 -5.91	21.13 0.96 -4.97	25.13 1.33 -3.06	30.93 1.23 -10.73	28.38 1.53 -6.94	23.80 1.59 -3.08	23.30 1.54 -4.00	25.00 1.54 -5.94	25.21 1.50 -6.44	25.64 1.43 -7.94	26.56 1.43 -8.91	26.78 1.39 -9.18	27.47 1.53 -7.50	32.27 1.46 -12.07	37.59 1.65 -15.60	34.88 1.80 -10.24	34.26 1.89 -7.16	30.37 1.67 -6.09	23.83 1.61 -0.77	22.55 1.17 -5.58
EAST HAMPTON___GT 23717	25.32 1.99 -8.03	22.85 1.78 -6.31	19.71 1.66 -4.21	20.42 1.72 -4.27	20.62 1.56 -5.92	24.75 1.81 -7.75	30.55 2.68 -7.14	32.58 2.39 -11.22	31.99 2.77 -9.31	27.34 2.54 -5.66	27.60 2.33 -7.51	27.56 2.29 -7.74	27.12 2.26 -7.59	27.40 2.13 -9.00	27.59 2.08 -9.29	28.03 2.11 -9.72	28.97 2.43 -8.10	34.11 2.38 -12.99	39.20 2.58 -16.27	38.85 2.92 -13.09	43.57 2.95 -15.41	35.42 2.87 -9.94	27.16 2.68 -3.03	23.25 1.85 -5.59
EAST RIVER___6 23660	21.26 1.10 -4.85	19.84 1.05 -4.03	19.03 0.98 -4.21	19.03 1.00 -3.60	19.97 0.92 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.50 1.31 -11.22	28.76 1.59 -7.25	23.95 1.63 -3.19	23.49 1.56 -4.17	25.27 1.56 -6.19	25.51 1.54 -6.71	26.01 1.46 -8.27	26.98 1.48 -9.28	27.22 1.46 -9.56	27.84 1.59 -7.82	32.88 1.55 -12.59	37.64 1.71 -15.58	34.98 1.87 -10.27	34.41 2.02 -7.18	30.48 1.76 -6.11	23.90 1.67 -0.77	22.58 1.19 -5.59

EAST RIVER___7 23524	21.26 1.10 -4.85	19.84 1.05 -4.03	19.03 0.98 -4.21	19.03 1.00 -3.60	19.97 0.92 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.50 1.31 -11.22	28.76 1.59 -7.25	23.95 1.63 -3.19	23.49 1.56 -4.17	25.27 1.56 -6.19	25.51 1.54 -6.71	26.01 1.46 -8.27	26.98 1.48 -9.28	27.22 1.46 -9.56	27.84 1.59 -7.82	32.88 1.55 -12.59	37.64 1.71 -15.58	34.98 1.87 -10.27	34.41 2.02 -7.18	30.48 1.76 -6.11	23.90 1.67 -0.77	22.58 1.19 -5.59
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	21.07 0.93 -4.84	19.69 0.91 -4.02	18.89 0.86 -4.20	18.90 0.88 -3.59	19.85 0.81 -5.90	21.09 0.93 -4.96	25.10 1.31 -3.06	30.87 1.20 -10.71	28.25 1.41 -6.92	23.62 1.42 -3.07	23.12 1.37 -3.99	24.82 1.37 -5.93	25.02 1.33 -6.43	25.46 1.27 -7.92	26.37 1.25 -8.89	26.61 1.25 -9.16	27.31 1.38 -7.49	32.13 1.35 -12.05	37.42 1.51 -15.56	34.72 1.67 -10.22	34.12 1.76 -7.15	30.24 1.56 -6.08	23.70 1.48 -0.77	22.43 1.06 -5.57
EAST_HAMPTON___DIESEL 23722	25.32 1.99 -8.03	22.85 1.78 -6.31	19.71 1.66 -4.21	20.42 1.72 -4.27	20.62 1.56 -5.92	24.75 1.81 -7.75	30.57 2.69 -7.14	32.58 2.39 -11.22	31.99 2.77 -9.31	27.34 2.54 -5.66	27.60 2.33 -7.51	27.58 2.31 -7.74	27.12 2.26 -7.59	27.40 2.13 -9.00	27.59 2.08 -9.29	28.03 2.11 -9.72	28.97 2.43 -8.10	34.11 2.38 -12.99	39.20 2.58 -16.27	38.85 2.92 -13.09	43.57 2.95 -15.41	35.42 2.87 -9.94	27.16 2.68 -3.03	23.25 1.85 -5.59
EAST_PULASKI___ESR 323781	15.31 -0.37 -0.37	14.67 -0.40 -0.31	13.80 -0.36 -0.32	14.32 -0.39 -0.28	13.22 -0.37 -0.46	15.17 -0.41 -0.38	20.52 -0.46 -0.24	19.25 -0.55 -0.83	19.75 -0.70 -0.53	18.62 -0.73 -0.22	17.37 -0.69 -0.30	17.32 -0.65 -0.44	17.11 -0.64 -0.48	16.26 -0.60 -0.59	16.25 -0.63 -0.66	16.24 -0.65 -0.68	18.29 -0.70 -0.56	18.93 -0.71 -0.91	20.88 -0.63 -1.16	23.03 -0.59 -0.79	25.23 -0.53 -0.55	22.62 -0.45 -0.47	21.00 -0.51 -0.06	15.86 -0.38 -0.43
EAST_RIVER___1 323558	21.24 1.09 -4.85	19.82 1.03 -4.03	19.01 0.97 -4.21	19.01 0.98 -3.60	19.96 0.91 -5.92	21.20 1.02 -4.98	25.19 1.39 -3.07	31.50 1.31 -11.22	28.74 1.57 -7.25	23.93 1.61 -3.19	23.48 1.54 -4.17	25.25 1.54 -6.19	25.50 1.52 -6.71	25.98 1.43 -8.27	26.95 1.44 -9.28	27.20 1.44 -9.56	27.82 1.57 -7.82	32.86 1.54 -12.59	37.60 1.67 -15.58	34.96 1.85 -10.27	34.36 1.97 -7.18	30.48 1.76 -6.11	23.88 1.65 -0.77	22.57 1.17 -5.59
EAST_RIVER___2 323559	21.26 1.10 -4.85	19.84 1.05 -4.03	19.03 0.98 -4.21	19.03 1.00 -3.60	19.97 0.92 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.50 1.31 -11.22	28.76 1.59 -7.25	23.95 1.63 -3.19	23.49 1.56 -4.17	25.27 1.56 -6.19	25.51 1.54 -6.71	26.01 1.46 -8.27	26.98 1.48 -9.28	27.22 1.46 -9.56	27.84 1.59 -7.82	32.88 1.55 -12.59	37.64 1.71 -15.58	34.98 1.87 -10.27	34.41 2.02 -7.18	30.48 1.76 -6.11	23.90 1.67 -0.77	22.58 1.19 -5.59
EAST___DELAWARE_HYD 23607	20.02 0.86 -3.86	18.88 0.92 -3.21	18.03 0.84 -3.35	18.08 0.78 -2.87	18.70 0.85 -4.71	20.17 1.00 -3.96	24.47 1.29 -2.44	29.14 1.20 -8.97	27.07 1.35 -5.80	22.90 1.32 -2.45	22.24 1.17 -3.31	23.50 1.12 -4.86	23.67 1.12 -5.28	23.86 1.07 -6.52	24.59 1.07 -7.30	24.87 1.17 -7.50	25.91 1.33 -6.14	29.97 1.31 -9.93	34.03 1.48 -12.20	32.78 1.60 -8.35	32.86 1.82 -5.84	29.11 1.54 -4.97	23.45 1.37 -0.63	21.33 0.98 -4.55
EIGHT_POINT___WT_PWR 323820	16.33 0.09 -0.94	15.60 0.06 -0.78	14.75 0.10 -0.81	15.22 0.09 -0.70	14.31 0.03 -1.14	16.21 0.05 -0.96	21.68 0.35 -0.59	19.69 0.17 -0.55	20.21 -0.06 -0.35	19.14 -0.13 -0.14	17.80 -0.16 -0.20	17.67 -0.14 -0.29	17.39 -0.19 -0.32	16.43 -0.23 -0.39	16.37 -0.29 -0.44	16.36 -0.29 -0.45	18.53 -0.28 -0.37	19.05 -0.28 -0.60	23.02 -0.22 -2.90	24.67 -0.14 -1.97	26.38 -0.20 -1.37	23.70 -0.07 -1.17	21.54 -0.06 -0.15	16.97 0.10 -1.07
ELBRIDGE_115KV_TB2 80188	15.63 -0.20 -0.53	14.96 -0.24 -0.44	14.09 -0.21 -0.46	14.58 -0.25 -0.39	13.54 -0.24 -0.64	15.48 -0.26 -0.54	20.89 -0.19 -0.33	19.85 -0.28 -1.17	20.27 -0.40 -0.76	19.01 -0.42 -0.30	17.76 -0.43 -0.43	17.74 -0.40 -0.62	17.56 -0.38 -0.68	16.71 -0.39 -0.83	16.76 -0.39 -0.93	16.76 -0.41 -0.95	18.81 -0.41 -0.78	19.58 -0.43 -1.27	21.65 -0.33 -1.63	23.66 -0.30 -1.12	25.69 -0.30 -0.78	23.04 -0.23 -0.66	21.28 -0.26 -0.08	16.22 -0.19 -0.61
ELEC_TRO_TEK 24086	24.52 1.19 -8.02	22.26 1.20 -6.31	19.16 1.12 -4.20	19.85 1.15 -4.26	20.10 1.05 -5.91	24.14 1.20 -7.74	29.60 1.72 -7.14	31.22 1.52 -10.73	30.71 1.81 -8.99	26.48 1.80 -5.55	26.78 1.69 -7.34	26.68 1.66 -7.50	26.23 1.64 -7.32	26.48 1.55 -8.66	26.65 1.51 -8.91	27.06 1.51 -9.34	27.90 1.68 -7.79	32.84 1.63 -12.48	38.44 1.81 -16.28	37.91 2.01 -13.06	42.74 2.14 -15.39	34.45 1.92 -9.93	26.36 1.89 -3.02	22.76 1.38 -5.58
ELLENBURG_WT_PWR 323604	15.44 0.14 0.00	14.89 0.13 0.00	13.93 0.10 0.00	14.61 0.17 0.00	13.31 0.17 0.00	15.44 0.24 0.00	21.09 0.35 0.00	19.39 0.42 0.00	20.23 0.32 0.00	19.51 0.38 0.00	18.09 0.34 0.00	17.82 0.30 0.00	17.52 0.26 0.00	16.53 0.26 0.00	16.50 0.28 0.00	16.48 0.28 0.00	18.77 0.33 0.00	19.17 0.43 0.00	20.77 0.43 0.00	23.34 0.50 0.00	25.66 0.45 0.00	22.85 0.25 0.00	21.64 0.19 0.00	15.92 0.11 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	15.61 -0.41 -0.72	14.78 -0.58 -0.60	14.02 -0.44 -0.62	14.47 -0.49 -0.53	13.50 -0.51 -0.87	15.28 -0.65 -0.74	20.57 -0.62 -0.45	19.76 -0.80 -1.59	19.90 -1.04 -1.03	18.55 -0.99 -0.41	17.41 -0.92 -0.58	17.45 -0.91 -0.84	17.22 -0.97 -0.92	16.43 -0.98 -1.13	16.45 -1.04 -1.27	16.47 -1.04 -1.30	18.39 -1.11 -1.07	19.27 -1.20 -1.73	21.12 -1.44 -2.22	22.87 -1.48 -1.52	24.53 -1.74 -1.06	22.22 -1.29 -0.90	20.41 -1.16 -0.11	16.06 -0.57 -0.83
EMPIRE_CC_1 323656	21.67 0.52 -5.85	20.11 0.49 -4.86	19.37 0.46 -5.07	19.25 0.48 -4.34	20.70 0.43 -7.13	21.70 0.50 -6.00	25.01 0.58 -3.70	32.81 0.47 -13.37	29.15 0.60 -8.64	22.71 0.56 -3.02	23.05 0.52 -4.78	24.70 0.49 -6.69	25.12 0.50 -7.35	25.81 0.45 -9.09	26.77 0.47 -10.08	26.92 0.45 -10.26	27.46 0.55 -8.47	33.20 0.54 -13.92	38.09 0.61 -17.13	35.91 0.71 -12.37	34.61 0.76 -8.65	30.66 0.70 -7.36	23.05 0.67 -0.93	22.95 0.41 -6.73
EMPIRE_CC_2 323658	21.67 0.52 -5.85	20.11 0.49 -4.86	19.37 0.46 -5.07	19.25 0.48 -4.34	20.70 0.43 -7.13	21.70 0.50 -6.00	25.01 0.58 -3.70	32.81 0.47 -13.37	29.15 0.60 -8.64	22.71 0.56 -3.02	23.05 0.52 -4.78	24.70 0.49 -6.69	25.12 0.50 -7.35	25.81 0.45 -9.09	26.77 0.47 -10.08	26.92 0.45 -10.26	27.46 0.55 -8.47	33.20 0.54 -13.92	38.09 0.61 -17.13	35.91 0.71 -12.37	34.61 0.76 -8.65	30.66 0.70 -7.36	23.05 0.67 -0.93	22.95 0.41 -6.73
ENORWICH_115KV_TB1 80156	18.82 1.64 -1.88	17.82 1.51 -1.56	16.85 1.38 -1.63	17.27 1.44 -1.39	16.78 1.35 -2.29	18.81 1.69 -1.93	24.33 2.41 -1.19	25.06 1.93 -4.15	24.01 1.41 -2.68	21.29 1.05 -1.10	19.97 0.69 -1.53	20.43 0.68 -2.22	20.44 0.76 -2.42	19.97 0.72 -2.98	20.13 0.57 -3.34	20.26 0.63 -3.42	22.16 0.92 -2.81	24.47 1.18 -4.55	28.01 1.81 -5.85	28.13 1.32 -3.96	29.75 1.76 -2.77	26.41 1.45 -2.36	22.97 1.22 -0.30	18.83 0.87 -2.16

ERIE_ST__34_KV_TB1-2 80199	15.58 -0.47 -0.75	14.74 -0.63 -0.62	13.97 -0.51 -0.65	14.42 -0.56 -0.56	13.47 -0.58 -0.91	15.27 -0.70 -0.77	20.59 -0.62 -0.47	20.13 -0.49 -1.66	20.27 -0.72 -1.07	18.86 -0.71 -0.43	17.71 -0.66 -0.61	17.77 -0.63 -0.88	17.50 -0.73 -0.96	16.72 -0.73 -1.18	16.75 -0.79 -1.32	16.78 -0.78 -1.35	18.75 -0.79 -1.11	19.66 -0.88 -1.80	21.32 -1.34 -2.32	23.05 -1.37 -1.58	24.70 -1.61 -1.11	22.32 -1.22 -0.94	20.43 -1.14 -0.12	16.08 -0.58 -0.86
ERIE_WT_PWR 323693	15.60 -0.47 -0.78	14.87 -0.53 -0.65	14.11 -0.40 -0.67	14.56 -0.45 -0.58	13.61 -0.47 -0.95	15.39 -0.61 -0.80	20.71 -0.52 -0.49	18.80 -0.63 -0.45	19.35 -0.86 -0.29	18.41 -0.84 -0.12	17.14 -0.78 -0.17	16.99 -0.77 -0.24	16.68 -0.85 -0.26	15.75 -0.85 -0.32	15.66 -0.92 -0.36	15.65 -0.92 -0.37	17.71 -1.03 -0.30	18.09 -1.14 -0.49	21.42 -1.32 -2.40	23.04 -1.42 -1.62	24.66 -1.69 -1.14	22.33 -1.24 -0.97	20.52 -1.05 -0.12	16.18 -0.51 -0.88
ESPRGFLD_115KV_TB1 80157	15.08 0.84 1.07	14.65 0.78 0.89	13.64 0.73 0.93	14.39 0.75 0.79	12.50 0.67 1.30	14.95 0.85 1.10	21.33 1.27 0.67	17.74 1.14 2.37	19.46 1.08 1.53	19.43 0.99 0.69	17.80 0.92 0.89	17.11 0.91 1.32	16.75 0.92 1.43	15.37 0.86 1.76	15.07 0.83 1.98	14.99 0.83 2.04	17.71 0.94 1.67	17.09 1.03 2.68	18.00 1.12 3.47	21.88 1.30 2.26	25.19 1.56 1.58	22.73 1.47 1.34	22.59 1.31 0.17	15.49 0.92 1.23
ETNA_115_KV_TB1_REV_LBMP_C 345029	16.48 0.18 -0.99	15.71 0.13 -0.82	14.82 0.12 -0.86	15.27 0.10 -0.73	14.42 0.08 -1.21	16.34 0.12 -1.02	21.70 0.33 -0.63	21.27 0.11 -2.19	21.29 -0.04 -1.42	19.59 -0.11 -0.57	18.40 -0.16 -0.80	18.54 -0.14 -1.16	18.39 -0.14 -1.27	17.69 -0.15 -1.56	17.82 -0.15 -1.75	17.83 -0.16 -1.79	19.79 -0.11 -1.47	21.01 -0.11 -2.39	23.57 0.16 -3.06	25.29 0.37 -2.09	27.15 0.48 -1.46	24.30 0.45 -1.24	21.95 0.34 -0.16	17.18 0.24 -1.14
ETNA____115KV_TB2 80207	16.48 0.18 -0.99	15.71 0.13 -0.82	14.82 0.12 -0.86	15.27 0.10 -0.73	14.42 0.08 -1.21	16.34 0.12 -1.02	21.70 0.33 -0.63	21.27 0.11 -2.19	21.29 -0.04 -1.42	19.59 -0.11 -0.57	18.40 -0.16 -0.80	18.54 -0.14 -1.16	18.39 -0.14 -1.27	17.69 -0.15 -1.56	17.82 -0.15 -1.75	17.83 -0.16 -1.79	19.79 -0.11 -1.47	21.01 -0.11 -2.39	23.57 0.16 -3.06	25.29 0.37 -2.09	27.15 0.48 -1.46	24.30 0.45 -1.24	21.95 0.34 -0.16	17.18 0.24 -1.14
EUCLID____115KV_TB2 356179	15.43 -0.29 -0.42	14.78 -0.32 -0.35	13.90 -0.30 -0.36	14.41 -0.33 -0.31	13.33 -0.32 -0.51	15.28 -0.35 -0.43	20.65 -0.35 -0.26	19.40 -0.49 -0.93	19.91 -0.60 -0.60	18.77 -0.61 -0.25	17.53 -0.57 -0.34	17.46 -0.56 -0.50	17.27 -0.54 -0.54	16.42 -0.52 -0.67	16.43 -0.54 -0.75	16.44 -0.53 -0.76	18.49 -0.57 -0.63	19.15 -0.60 -1.02	21.10 -0.55 -1.31	23.17 -0.55 -0.89	25.22 -0.61 -0.62	22.63 -0.50 -0.53	21.00 -0.51 -0.07	15.92 -0.36 -0.48
E_CANADA_CAP_HY 24051	24.02 1.06 -7.66	22.09 0.96 -6.37	21.40 0.91 -6.65	21.07 0.95 -5.69	23.34 0.85 -9.35	24.13 1.06 -7.86	27.07 1.49 -4.84	37.57 1.31 -17.29	32.35 1.26 -11.18	24.63 1.17 -4.33	25.12 1.08 -6.28	27.62 1.09 -9.02	28.19 1.07 -9.85	29.43 0.99 -12.17	30.74 0.96 -13.56	31.04 0.96 -13.88	30.93 1.09 -11.41	38.53 1.22 -18.58	45.08 1.38 -23.35	40.56 1.57 -16.14	38.39 1.89 -11.29	34.04 1.83 -9.61	24.34 1.67 -1.21	25.75 1.15 -8.79
E_CANADA_MHWK_HY 24050	15.13 -0.17 0.00	14.64 -0.12 0.00	13.74 -0.10 0.00	14.33 -0.10 0.00	13.04 -0.09 0.00	15.12 -0.08 0.00	20.57 -0.17 0.00	18.76 -0.21 0.00	19.71 -0.20 0.00	18.94 -0.19 0.00	17.56 -0.19 0.00	17.31 -0.21 0.00	17.06 -0.21 0.00	16.09 -0.18 0.00	16.01 -0.21 0.00	15.99 -0.21 0.00	18.19 -0.24 0.00	18.47 -0.26 0.00	20.06 -0.28 0.00	22.52 -0.32 0.00	24.88 -0.33 0.00	22.38 -0.23 0.00	21.26 -0.19 0.00	15.66 -0.14 0.00
E_FISHKILL____LBMP 23776	21.05 0.81 -4.94	19.66 0.80 -4.11	18.87 0.75 -4.29	18.86 0.76 -3.67	19.87 0.71 -6.03	21.07 0.81 -5.07	24.98 1.12 -3.12	30.93 1.02 -10.94	28.22 1.23 -7.07	23.50 1.22 -3.14	23.01 1.17 -4.08	24.74 1.16 -6.06	24.97 1.14 -6.57	25.44 1.07 -8.10	26.38 1.07 -9.09	26.64 1.07 -9.36	27.29 1.20 -7.65	32.21 1.16 -12.31	37.53 1.28 -15.90	34.71 1.44 -10.44	34.02 1.51 -7.30	30.17 1.36 -6.21	23.52 1.29 -0.79	22.39 0.90 -5.68
FALCON____SEABRD_CC1 323796	15.73 0.43 0.00	15.14 0.38 0.00	14.16 0.32 0.00	14.85 0.42 0.00	13.54 0.41 0.00	15.73 0.53 0.00	21.57 0.83 0.00	19.82 0.85 0.00	20.65 0.74 0.00	19.95 0.82 0.00	18.49 0.73 0.00	18.20 0.68 0.00	17.89 0.62 0.00	16.86 0.58 0.00	16.84 0.62 0.00	16.82 0.62 0.00	19.19 0.76 0.00	19.62 0.88 0.00	21.26 0.92 0.00	23.91 1.07 0.00	26.24 1.03 0.00	23.33 0.72 0.00	22.07 0.62 0.00	16.21 0.41 0.00
FALCON____SEABRD_CC2 323797	15.73 0.43 0.00	15.14 0.38 0.00	14.16 0.32 0.00	14.85 0.42 0.00	13.54 0.41 0.00	15.73 0.53 0.00	21.57 0.83 0.00	19.82 0.85 0.00	20.65 0.74 0.00	19.95 0.82 0.00	18.49 0.73 0.00	18.20 0.68 0.00	17.89 0.62 0.00	16.86 0.58 0.00	16.84 0.62 0.00	16.82 0.62 0.00	19.19 0.76 0.00	19.62 0.88 0.00	21.26 0.92 0.00	23.91 1.07 0.00	26.24 1.03 0.00	23.33 0.72 0.00	22.07 0.62 0.00	16.21 0.41 0.00
FAR ROCKAWAY____4 23548	24.71 1.39 -8.02	22.43 1.37 -6.31	19.32 1.27 -4.20	20.01 1.31 -4.26	20.24 1.20 -5.91	24.32 1.38 -7.74	29.76 1.89 -7.14	31.39 1.69 -10.73	30.89 1.99 -8.99	26.65 1.97 -5.55	26.94 1.85 -7.34	26.84 1.82 -7.50	26.38 1.80 -7.32	26.63 1.69 -8.66	26.81 1.67 -8.91	27.22 1.67 -9.34	28.09 1.86 -7.79	33.05 1.84 -12.48	38.66 2.03 -16.28	38.18 2.28 -13.06	43.07 2.47 -15.39	34.72 2.19 -9.93	26.60 2.12 -3.02	22.90 1.52 -5.58
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	21.21 1.06 -4.85	19.83 1.05 -4.03	19.01 0.97 -4.20	19.02 1.00 -3.60	19.95 0.91 -5.91	21.19 1.02 -4.97	25.23 1.43 -3.06	31.03 1.33 -10.73	28.44 1.59 -6.94	23.83 1.63 -3.08	23.32 1.56 -4.00	25.02 1.56 -5.94	25.23 1.52 -6.44	25.64 1.43 -7.94	26.56 1.43 -8.91	26.78 1.39 -9.18	27.49 1.55 -7.50	32.31 1.50 -12.07	37.59 1.65 -15.59	34.90 1.83 -10.24	34.31 1.94 -7.16	30.41 1.72 -6.09	23.87 1.65 -0.77	22.57 1.19 -5.58
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	21.21 1.06 -4.85	19.83 1.05 -4.03	19.01 0.97 -4.20	19.02 1.00 -3.60	19.95 0.91 -5.91	21.19 1.02 -4.97	25.21 1.41 -3.06	31.01 1.31 -10.73	28.44 1.59 -6.94	23.83 1.63 -3.08	23.32 1.56 -4.00	25.02 1.56 -5.94	25.23 1.52 -6.44	25.64 1.43 -7.94	26.56 1.43 -8.91	26.78 1.39 -9.18	27.47 1.53 -7.50	32.31 1.50 -12.07	37.59 1.65 -15.59	34.90 1.83 -10.24	34.31 1.94 -7.16	30.41 1.72 -6.09	23.87 1.65 -0.77	22.57 1.19 -5.58
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	21.19 1.04 -4.85	19.82 1.03 -4.03	19.00 0.95 -4.20	19.01 0.98 -3.60	19.94 0.89 -5.91	21.17 1.00 -4.97	25.21 1.41 -3.06	31.01 1.31 -10.73	28.42 1.57 -6.94	23.81 1.61 -3.08	23.30 1.54 -4.00	25.00 1.54 -5.94	25.21 1.50 -6.44	25.62 1.42 -7.94	26.55 1.41 -8.91	26.76 1.38 -9.18	27.45 1.51 -7.50	32.29 1.48 -12.07	37.57 1.63 -15.59	34.88 1.80 -10.24	34.26 1.89 -7.16	30.39 1.70 -6.09	23.85 1.63 -0.77	22.55 1.17 -5.58

FARRAGUT___LBMP 323566	21.19 1.04 -4.85	19.80 1.02 -4.03	19.00 0.95 -4.20	19.00 0.97 -3.60	19.94 0.89 -5.91	21.17 1.00 -4.97	25.19 1.39 -3.06	30.99 1.29 -10.73	28.40 1.55 -6.94	23.80 1.59 -3.08	23.28 1.53 -4.00	24.99 1.52 -5.94	25.19 1.48 -6.44	25.61 1.40 -7.94	26.53 1.40 -8.91	26.74 1.36 -9.18	27.45 1.51 -7.50	32.27 1.46 -12.07	37.55 1.61 -15.59	34.86 1.78 -10.24	34.26 1.89 -7.16	30.39 1.70 -6.09	23.85 1.63 -0.77	22.53 1.15 -5.58
FENNER___WINDPWR 24204	15.97 0.11 -0.56	15.34 0.12 -0.46	14.43 0.11 -0.48	14.95 0.10 -0.41	13.91 0.09 -0.68	15.92 0.15 -0.57	21.36 0.27 -0.35	19.49 0.23 -0.30	20.22 0.12 -0.19	19.27 0.06 -0.08	17.87 0.00 -0.11	17.68 0.00 -0.16	17.47 0.03 -0.17	16.51 0.03 -0.21	16.44 -0.02 -0.24	16.43 -0.02 -0.24	18.65 0.02 -0.20	19.12 0.06 -0.32	22.31 0.25 -1.72	24.32 0.34 -1.14	26.49 0.48 -0.80	23.67 0.38 -0.68	21.84 0.30 -0.09	16.62 0.19 -0.62
FIBERTEK___ENERGY 23856	15.65 -0.15 -0.50	14.98 -0.19 -0.42	14.11 -0.17 -0.44	14.60 -0.20 -0.37	13.55 -0.20 -0.61	15.52 -0.20 -0.52	20.89 -0.17 -0.32	19.83 -0.25 -1.11	20.29 -0.34 -0.72	19.04 -0.38 -0.29	17.79 -0.37 -0.41	17.76 -0.35 -0.59	17.56 -0.35 -0.64	16.72 -0.34 -0.79	16.77 -0.34 -0.89	16.76 -0.36 -0.91	18.83 -0.35 -0.75	19.57 -0.37 -1.21	21.61 -0.28 -1.55	23.67 -0.23 -1.06	25.72 -0.23 -0.74	23.08 -0.16 -0.63	21.32 -0.21 -0.08	16.22 -0.16 -0.58
FITZPATRICK____ 23598	15.11 -0.55 -0.36	14.51 -0.55 -0.30	13.65 -0.50 -0.31	14.16 -0.53 -0.27	13.07 -0.50 -0.44	15.00 -0.56 -0.37	20.28 -0.68 -0.23	18.25 -0.72 0.00	19.10 -0.82 0.00	18.31 -0.82 0.00	16.98 -0.78 0.00	16.77 -0.75 0.00	16.52 -0.74 0.00	15.55 -0.72 0.00	15.51 -0.71 0.00	15.48 -0.73 0.00	17.62 -0.81 0.00	17.89 -0.84 0.00	20.66 -0.79 -1.11	22.75 -0.84 -0.76	24.81 -0.93 -0.53	22.26 -0.79 -0.45	20.74 -0.77 -0.06	15.66 -0.55 -0.41
FLOWRFLD_69_KV_BK1 356044	24.73 1.41 -8.02	22.51 1.45 -6.31	19.38 1.34 -4.20	20.08 1.39 -4.26	20.31 1.26 -5.91	24.40 1.46 -7.74	30.03 2.16 -7.14	31.60 1.90 -10.73	31.15 2.25 -8.99	26.82 2.14 -5.55	27.05 1.95 -7.34	26.96 1.94 -7.50	26.50 1.92 -7.32	26.74 1.81 -8.66	26.86 1.72 -8.91	27.30 1.75 -9.34	28.25 2.03 -7.79	33.18 1.97 -12.48	38.80 2.18 -16.28	38.34 2.44 -13.06	43.04 2.45 -15.39	34.86 2.33 -9.93	26.75 2.27 -3.02	22.99 1.61 -5.58
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	21.00 0.90 -4.79	19.63 0.89 -3.98	18.82 0.83 -4.16	18.80 0.81 -3.56	19.79 0.81 -5.84	21.06 0.94 -4.92	25.07 1.31 -3.03	30.77 1.20 -10.61	28.18 1.41 -6.86	23.46 1.34 -2.99	22.98 1.28 -3.94	24.57 1.23 -5.83	24.80 1.21 -6.32	25.21 1.14 -7.80	26.10 1.14 -8.75	26.40 1.20 -9.00	27.14 1.35 -7.36	31.91 1.31 -11.86	37.16 1.51 -15.31	34.63 1.67 -10.12	34.08 1.79 -7.08	30.19 1.56 -6.02	23.67 1.46 -0.76	22.36 1.04 -5.51
FORT ORANGE____ 23900	21.63 0.31 -6.02	20.04 0.28 -5.00	19.35 0.29 -5.22	19.20 0.30 -4.47	20.75 0.28 -7.34	21.69 0.32 -6.17	24.98 0.44 -3.80	33.03 0.32 -13.74	29.21 0.42 -8.88	22.87 0.40 -3.33	23.06 0.34 -4.96	24.91 0.32 -7.07	25.33 0.33 -7.74	26.12 0.29 -9.56	27.17 0.31 -10.64	27.40 0.32 -10.87	27.77 0.39 -8.95	33.76 0.41 -14.61	38.90 0.45 -18.11	36.09 0.53 -12.73	34.71 0.60 -8.90	30.70 0.52 -7.57	22.88 0.47 -0.96	22.99 0.25 -6.93
FORT_DRUM_COGEN 23780	15.22 -0.34 -0.25	14.61 -0.35 -0.21	13.71 -0.35 -0.22	14.26 -0.36 -0.19	13.13 -0.32 -0.31	15.15 -0.30 -0.26	20.57 -0.33 -0.16	19.13 -0.40 -0.56	19.62 -0.66 -0.36	18.57 -0.71 -0.15	17.23 -0.73 -0.20	17.12 -0.70 -0.30	16.92 -0.67 -0.32	16.05 -0.62 -0.40	16.04 -0.63 -0.45	16.02 -0.65 -0.46	18.11 -0.70 -0.38	18.75 -0.60 -0.61	20.64 -0.49 -0.78	22.96 -0.41 -0.53	25.38 -0.20 -0.37	22.63 -0.29 -0.32	21.08 -0.41 -0.04	15.76 -0.33 -0.29
FPL_FAR_ROCK_GT1 24212	24.77 1.44 -8.03	22.44 1.37 -6.31	19.32 1.27 -4.21	20.01 1.31 -4.27	20.25 1.20 -5.92	24.33 1.38 -7.75	29.76 1.89 -7.14	31.88 1.69 -11.22	31.21 1.99 -9.31	26.76 1.97 -5.66	27.12 1.85 -7.51	27.09 1.82 -7.74	26.65 1.80 -7.59	26.96 1.69 -9.00	27.21 1.70 -9.29	27.63 1.70 -9.72	28.44 1.90 -8.10	33.62 1.89 -12.99	38.69 2.08 -16.27	38.26 2.33 -13.09	43.14 2.52 -15.41	34.78 2.24 -9.94	26.62 2.14 -3.03	22.88 1.49 -5.59
FPL_FAR_ROCK_GT2 23815	24.77 1.44 -8.03	22.44 1.37 -6.31	19.32 1.27 -4.21	20.01 1.31 -4.27	20.25 1.20 -5.92	24.33 1.38 -7.75	29.76 1.89 -7.14	31.88 1.69 -11.22	31.21 1.99 -9.31	26.76 1.97 -5.66	27.12 1.85 -7.51	27.09 1.82 -7.74	26.65 1.80 -7.59	26.96 1.69 -9.00	27.21 1.70 -9.29	27.63 1.70 -9.72	28.44 1.90 -8.10	33.62 1.89 -12.99	38.69 2.08 -16.27	38.26 2.33 -13.09	43.14 2.52 -15.41	34.78 2.24 -9.94	26.62 2.14 -3.03	22.88 1.49 -5.59
FRANKLIN_FALL_HYD 24054	15.36 0.02 -0.04	14.85 0.06 -0.03	13.89 0.01 -0.03	14.55 0.09 -0.03	13.28 0.09 -0.05	15.39 0.15 -0.04	20.93 0.17 -0.03	19.32 0.27 -0.09	20.11 0.14 -0.06	19.38 0.23 -0.02	17.97 0.18 -0.03	17.73 0.16 -0.05	17.42 0.10 -0.05	16.46 0.13 -0.06	16.47 0.18 -0.07	16.46 0.18 -0.07	18.68 0.18 -0.06	19.13 0.30 -0.10	20.77 0.31 -0.12	23.24 0.32 -0.08	25.52 0.25 -0.06	22.70 0.05 -0.05	21.44 -0.02 -0.01	15.82 -0.03 -0.05
FREEPORT_EQUS_GT1 23764	24.72 1.39 -8.03	22.37 1.30 -6.31	19.25 1.20 -4.21	19.94 1.24 -4.27	20.18 1.13 -5.92	24.25 1.31 -7.75	29.70 1.83 -7.14	31.82 1.63 -11.22	31.15 1.93 -9.31	26.71 1.91 -5.66	27.05 1.78 -7.51	27.02 1.75 -7.74	26.59 1.73 -7.59	26.90 1.63 -9.00	27.15 1.64 -9.29	27.56 1.64 -9.72	28.34 1.81 -8.10	33.51 1.78 -12.99	38.57 1.95 -16.27	38.10 2.17 -13.09	42.96 2.34 -15.41	34.65 2.10 -9.94	26.52 2.04 -3.03	22.84 1.44 -5.59
FREEPORT___CT2 23818	24.72 1.39 -8.03	22.37 1.30 -6.31	19.25 1.20 -4.21	19.94 1.24 -4.27	20.18 1.13 -5.92	24.25 1.31 -7.75	29.70 1.83 -7.14	31.82 1.63 -11.22	31.15 1.93 -9.31	26.71 1.91 -5.66	27.05 1.78 -7.51	27.02 1.75 -7.74	26.59 1.73 -7.59	26.90 1.63 -9.00	27.15 1.64 -9.29	27.56 1.64 -9.72	28.34 1.81 -8.10	33.51 1.78 -12.99	38.57 1.95 -16.27	38.10 2.17 -13.09	42.96 2.34 -15.41	34.65 2.10 -9.94	26.52 2.04 -3.03	22.84 1.44 -5.59
FRESHKLS_33_KV_LOAD 356253	21.42 1.27 -4.85	20.03 1.24 -4.03	19.16 1.12 -4.20	19.15 1.13 -3.60	20.08 1.04 -5.91	21.22 1.05 -4.97	25.21 1.41 -3.06	30.80 1.10 -10.73	28.38 1.53 -6.94	23.83 1.63 -3.08	23.34 1.58 -4.00	25.07 1.61 -5.94	25.31 1.61 -6.44	25.76 1.55 -7.95	26.65 1.51 -8.92	26.90 1.51 -9.19	27.61 1.66 -7.51	32.25 1.44 -12.07	37.59 1.65 -15.60	34.86 1.78 -10.24	34.26 1.89 -7.16	30.51 1.81 -6.10	24.01 1.78 -0.78	22.72 1.33 -5.58
FULTON COGEN____ 23766	15.32 -0.40 -0.41	14.67 -0.43 -0.34	13.81 -0.39 -0.36	14.30 -0.43 -0.30	13.23 -0.41 -0.50	15.18 -0.44 -0.42	20.52 -0.48 -0.26	19.33 -0.55 -0.91	19.84 -0.66 -0.59	18.68 -0.69 -0.24	17.43 -0.66 -0.33	17.38 -0.63 -0.49	17.19 -0.60 -0.53	16.34 -0.59 -0.65	16.35 -0.60 -0.73	16.34 -0.62 -0.75	18.40 -0.65 -0.61	19.06 -0.67 -1.00	21.00 -0.63 -1.28	23.09 -0.62 -0.87	25.16 -0.66 -0.61	22.60 -0.52 -0.52	20.96 -0.56 -0.07	15.87 -0.41 -0.47



FULTON___LFGE 323630	23.68 1.16 -7.21	22.05 1.30 -6.00	21.34 1.25 -6.26	21.08 1.30 -5.35	23.10 1.17 -8.80	24.06 1.46 -7.40	27.18 1.89 -4.56	36.80 1.52 -16.31	31.89 1.43 -10.55	24.49 1.30 -4.05	24.85 1.17 -5.92	27.19 1.19 -8.48	27.70 1.16 -9.27	28.79 1.07 -11.45	30.02 1.04 -12.76	30.33 1.07 -13.05	30.46 1.29 -10.74	37.80 1.57 -17.49	44.07 1.81 -21.92	40.08 2.03 -15.21	38.32 2.47 -10.64	33.78 2.12 -9.05	24.50 1.91 -1.14	25.43 1.34 -8.28
G.F.CEMENT___DRP 24184	22.28 0.64 -6.33	20.63 0.61 -5.27	19.91 0.58 -5.49	19.74 0.61 -4.70	21.39 0.53 -7.72	22.37 0.67 -6.50	25.86 1.12 -4.00	33.92 0.93 -14.02	29.93 0.96 -9.06	23.50 0.96 -3.41	23.66 0.83 -5.07	25.59 0.84 -7.23	25.97 0.79 -7.91	26.76 0.72 -9.77	27.80 0.70 -10.88	28.00 0.68 -11.11	28.45 0.87 -9.15	34.63 0.96 -14.93	40.48 1.04 -19.10	37.40 1.19 -13.38	36.03 1.46 -9.36	31.85 1.29 -7.96	23.62 1.16 -1.01	23.82 0.73 -7.29
GARDENVILLE___LBMP 24039	15.64 -0.40 -0.74	14.81 -0.56 -0.61	14.05 -0.43 -0.64	14.50 -0.48 -0.55	13.54 -0.50 -0.90	15.32 -0.64 -0.76	20.62 -0.58 -0.47	19.90 -0.70 -1.64	20.01 -0.96 -1.06	18.64 -0.92 -0.43	17.49 -0.87 -0.60	17.55 -0.84 -0.87	17.31 -0.90 -0.95	16.51 -0.93 -1.17	16.54 -0.99 -1.30	16.55 -0.99 -1.34	18.50 -1.03 -1.10	19.39 -1.12 -1.78	21.23 -1.40 -2.29	22.98 -1.42 -1.56	24.64 -1.66 -1.09	22.31 -1.22 -0.93	20.45 -1.12 -0.12	16.10 -0.55 -0.85
GARDNVLA_35_KV_LD 355827	15.70 -0.34 -0.74	14.87 -0.50 -0.61	14.10 -0.37 -0.64	14.56 -0.42 -0.55	13.58 -0.46 -0.90	15.38 -0.58 -0.76	20.71 -0.50 -0.47	20.00 -0.61 -1.64	20.13 -0.84 -1.06	18.75 -0.80 -0.43	17.61 -0.75 -0.60	17.65 -0.74 -0.87	17.40 -0.81 -0.95	16.61 -0.83 -1.17	16.65 -0.88 -1.30	16.65 -0.89 -1.34	18.61 -0.92 -1.10	19.49 -1.03 -1.78	21.33 -1.30 -2.29	23.07 -1.32 -1.56	24.74 -1.56 -1.09	22.42 -1.11 -0.93	20.54 -1.03 -0.12	16.16 -0.49 -0.85
GELCKHM___115KV_LOAD 80723	15.51 -0.24 -0.45	14.85 -0.28 -0.37	13.96 -0.26 -0.39	14.48 -0.29 -0.33	13.41 -0.28 -0.55	15.35 -0.30 -0.46	20.73 -0.29 -0.28	19.58 -0.38 -0.99	20.07 -0.48 -0.64	18.89 -0.50 -0.26	17.64 -0.48 -0.36	17.59 -0.46 -0.53	17.41 -0.43 -0.57	16.54 -0.44 -0.71	16.57 -0.44 -0.79	16.58 -0.44 -0.81	18.64 -0.46 -0.66	19.33 -0.49 -1.08	21.32 -0.41 -1.38	23.39 -0.39 -0.95	25.47 -0.40 -0.66	22.83 -0.34 -0.56	21.16 -0.36 -0.07	16.05 -0.27 -0.51
GENERAL___MILLS 23808	15.67 -0.37 -0.74	14.84 -0.53 -0.61	14.08 -0.40 -0.64	14.53 -0.45 -0.55	13.55 -0.49 -0.90	15.35 -0.61 -0.76	20.65 -0.56 -0.47	19.96 -0.64 -1.64	20.09 -0.88 -1.06	18.70 -0.86 -0.43	17.56 -0.80 -0.60	17.60 -0.79 -0.87	17.37 -0.85 -0.95	16.58 -0.86 -1.17	16.60 -0.92 -1.30	16.62 -0.92 -1.34	18.55 -0.98 -1.10	19.43 -1.09 -1.78	21.27 -1.36 -2.29	23.03 -1.37 -1.56	24.69 -1.61 -1.09	22.36 -1.18 -0.93	20.50 -1.07 -0.12	16.13 -0.52 -0.85
GE_PLASTICS___DRP 24183	21.64 0.32 -6.01	20.07 0.31 -5.00	19.36 0.30 -5.22	19.21 0.32 -4.46	20.76 0.29 -7.34	21.70 0.33 -6.17	24.99 0.46 -3.80	32.66 0.38 -13.32	29.00 0.48 -8.61	22.88 0.46 -3.29	23.01 0.43 -4.83	24.85 0.42 -6.90	25.23 0.41 -7.55	25.97 0.37 -9.33	26.99 0.37 -10.39	27.20 0.37 -10.62	27.64 0.46 -8.74	33.44 0.45 -14.25	39.07 0.49 -18.24	36.09 0.55 -12.71	34.70 0.61 -8.89	30.73 0.57 -7.56	22.94 0.54 -0.96	23.04 0.32 -6.92
GILBOA___1 23756	20.37 0.41 -4.65	19.02 0.40 -3.87	18.25 0.37 -4.04	18.26 0.37 -3.45	19.15 0.34 -5.68	20.37 0.39 -4.78	24.26 0.58 -2.94	30.43 0.55 -10.91	27.60 0.64 -7.05	22.59 0.63 -2.83	22.33 0.59 -3.99	23.87 0.58 -5.77	24.13 0.57 -6.30	24.58 0.54 -7.77	25.44 0.53 -8.68	25.64 0.53 -8.90	26.37 0.63 -7.31	31.21 0.62 -11.86	35.30 0.57 -14.38	33.33 0.66 -9.83	32.82 0.73 -6.88	29.15 0.70 -5.85	22.83 0.64 -0.74	21.59 0.43 -5.35
GILBOA___2 23757	20.37 0.41 -4.65	19.02 0.40 -3.87	18.25 0.37 -4.04	18.26 0.37 -3.45	19.15 0.34 -5.68	20.37 0.39 -4.78	24.26 0.58 -2.94	30.43 0.55 -10.91	27.60 0.64 -7.05	22.59 0.63 -2.83	22.33 0.59 -3.99	23.87 0.58 -5.77	24.13 0.57 -6.30	24.58 0.54 -7.77	25.44 0.53 -8.68	25.64 0.53 -8.90	26.37 0.63 -7.31	31.21 0.62 -11.86	35.30 0.57 -14.38	33.33 0.66 -9.83	32.82 0.73 -6.88	29.15 0.70 -5.85	22.83 0.64 -0.74	21.59 0.43 -5.35
GILBOA___3 23758	20.37 0.41 -4.65	19.02 0.40 -3.87	18.25 0.37 -4.04	18.26 0.37 -3.45	19.15 0.34 -5.68	20.37 0.39 -4.78	24.26 0.58 -2.94	30.43 0.55 -10.91	27.60 0.64 -7.05	22.59 0.63 -2.83	22.33 0.59 -3.99	23.87 0.58 -5.77	24.13 0.57 -6.30	24.58 0.54 -7.77	25.44 0.53 -8.68	25.64 0.53 -8.90	26.37 0.63 -7.31	31.21 0.62 -11.86	35.30 0.57 -14.38	33.33 0.66 -9.83	32.82 0.73 -6.88	29.15 0.70 -5.85	22.83 0.64 -0.74	21.59 0.43 -5.35
GILBOA___4 23759	20.37 0.41 -4.65	19.02 0.40 -3.87	18.25 0.37 -4.04	18.26 0.37 -3.45	19.15 0.34 -5.68	20.37 0.39 -4.78	24.26 0.58 -2.94	30.43 0.55 -10.91	27.60 0.64 -7.05	22.59 0.63 -2.83	22.33 0.59 -3.99	23.87 0.58 -5.77	24.13 0.57 -6.30	24.58 0.54 -7.77	25.44 0.53 -8.68	25.64 0.53 -8.90	26.37 0.63 -7.31	31.21 0.62 -11.86	35.30 0.57 -14.38	33.33 0.66 -9.83	32.82 0.73 -6.88	29.15 0.70 -5.85	22.83 0.64 -0.74	21.59 0.43 -5.35
GILBOA___ 23599	20.36 0.41 -4.65	19.02 0.40 -3.87	18.24 0.37 -4.03	18.26 0.38 -3.45	19.15 0.34 -5.67	20.36 0.40 -4.77	24.26 0.58 -2.94	29.81 0.55 -10.29	27.20 0.64 -6.65	22.45 0.63 -2.69	22.11 0.59 -3.77	23.56 0.58 -5.46	23.79 0.57 -5.96	24.16 0.54 -7.35	24.97 0.54 -8.22	25.16 0.53 -8.42	25.96 0.61 -6.91	30.55 0.60 -11.21	35.32 0.57 -14.40	33.30 0.64 -9.82	32.78 0.71 -6.87	29.12 0.68 -5.84	22.83 0.64 -0.74	21.58 0.43 -5.35
GINNA___ 23603	14.93 -0.95 -0.58	14.28 -0.96 -0.48	13.48 -0.86 -0.50	13.95 -0.91 -0.43	12.97 -0.87 -0.70	14.80 -0.99 -0.59	19.94 -1.16 -0.36	18.03 -1.27 -0.34	18.68 -1.45 -0.22	17.75 -1.47 -0.09	16.49 -1.39 -0.12	16.33 -1.37 -0.18	16.13 -1.33 -0.19	15.22 -1.29 -0.24	15.14 -1.35 -0.27	15.17 -1.31 -0.27	17.20 -1.46 -0.22	17.58 -1.52 -0.36	20.60 -1.53 -1.78	22.41 -1.64 -1.21	24.22 -1.84 -0.85	21.77 -1.56 -0.72	20.06 -1.48 -0.09	15.48 -0.98 -0.66
GLEN PARK___ 23778	15.29 -0.29 -0.28	14.66 -0.32 -0.23	13.76 -0.32 -0.24	14.31 -0.33 -0.21	13.19 -0.29 -0.34	15.21 -0.27 -0.29	20.65 -0.27 -0.18	18.61 -0.36 0.00	19.27 -0.64 0.00	18.42 -0.71 0.00	17.03 -0.73 0.00	16.82 -0.70 0.00	16.59 -0.67 0.00	15.65 -0.62 0.00	15.57 -0.65 0.00	15.56 -0.65 0.00	17.73 -0.70 0.00	18.14 -0.60 0.00	20.74 -0.47 -0.87	23.05 -0.37 -0.58	25.51 -0.10 -0.41	22.72 -0.23 -0.35	21.13 -0.36 -0.04	15.82 -0.30 -0.32
GLENDALE_27_KV_LOAD 356172	21.27 1.12 -4.85	19.88 1.09 -4.03	19.05 1.01 -4.20	19.05 1.02 -3.60	19.98 0.93 -5.91	21.19 1.02 -4.97	25.23 1.43 -3.06	31.01 1.31 -10.73	28.46 1.61 -6.94	23.89 1.68 -3.08	23.37 1.62 -4.00	25.07 1.61 -5.94	25.29 1.59 -6.44	25.72 1.51 -7.94	26.64 1.51 -8.91	26.86 1.47 -9.18	27.54 1.60 -7.50	32.37 1.56 -12.07	37.69 1.75 -15.60	35.00 1.92 -10.24	34.39 2.02 -7.16	30.48 1.79 -6.09	23.94 1.72 -0.77	22.60 1.22 -5.58

GLENWOOD_IC_1_G5 23712	24.49 1.16 -8.02	22.21 1.15 -6.31	19.12 1.08 -4.20	19.81 1.11 -4.26	20.06 1.01 -5.91	24.10 1.16 -7.74	29.51 1.64 -7.14	31.18 1.48 -10.73	30.65 1.75 -8.99	26.42 1.74 -5.55	26.76 1.67 -7.34	26.67 1.65 -7.50	26.21 1.62 -7.32	26.46 1.53 -8.66	26.65 1.51 -8.91	27.06 1.51 -9.34	27.90 1.68 -7.79	32.86 1.65 -12.48	38.44 1.81 -16.28	37.93 2.03 -13.06	42.74 2.14 -15.39	34.45 1.92 -9.93	26.30 1.82 -3.02	22.69 1.31 -5.58
GLENWOOD_IC_2_G1 23688	24.48 1.15 -8.03	22.14 1.08 -6.31	19.04 1.00 -4.21	19.73 1.02 -4.27	20.00 0.95 -5.92	24.03 1.08 -7.75	29.39 1.51 -7.14	31.56 1.37 -11.22	30.85 1.63 -9.31	26.42 1.63 -5.66	26.83 1.56 -7.51	26.83 1.56 -7.74	26.38 1.52 -7.59	26.70 1.43 -9.00	26.95 1.44 -9.29	27.39 1.46 -9.72	28.14 1.60 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.38 1.83 -9.94	26.19 1.72 -3.03	22.60 1.20 -5.59
GLENWOOD_IC_3_G1 23689	24.48 1.15 -8.03	22.14 1.08 -6.31	19.04 1.00 -4.21	19.73 1.02 -4.27	20.00 0.95 -5.92	24.03 1.08 -7.75	29.39 1.51 -7.14	31.56 1.37 -11.22	30.85 1.63 -9.31	26.42 1.63 -5.66	26.83 1.56 -7.51	26.83 1.56 -7.74	26.38 1.52 -7.59	26.70 1.43 -9.00	26.95 1.44 -9.29	27.39 1.46 -9.72	28.14 1.60 -8.10	33.30 1.57 -12.99	38.34 1.73 -16.27	37.85 1.92 -13.09	42.69 2.07 -15.41	34.38 1.83 -9.94	26.19 1.72 -3.03	22.60 1.20 -5.59
GLENWOOD___4 23550	24.49 1.16 -8.02	22.21 1.15 -6.31	19.12 1.08 -4.20	19.81 1.11 -4.26	20.06 1.01 -5.91	24.10 1.16 -7.74	29.51 1.64 -7.14	31.18 1.48 -10.73	30.65 1.75 -8.99	26.42 1.74 -5.55	26.76 1.67 -7.34	26.67 1.65 -7.50	26.21 1.62 -7.32	26.46 1.53 -8.66	26.65 1.51 -8.91	27.06 1.51 -9.34	27.90 1.68 -7.79	32.86 1.65 -12.48	38.44 1.81 -16.28	37.93 2.03 -13.06	42.74 2.14 -15.39	34.45 1.92 -9.93	26.30 1.82 -3.02	22.69 1.31 -5.58
GLENWOOD___5 23614	24.49 1.16 -8.02	22.21 1.15 -6.31	19.12 1.08 -4.20	19.81 1.11 -4.26	20.06 1.01 -5.91	24.10 1.16 -7.74	29.51 1.64 -7.14	31.18 1.48 -10.73	30.65 1.75 -8.99	26.42 1.74 -5.55	26.76 1.67 -7.34	26.67 1.65 -7.50	26.21 1.62 -7.32	26.46 1.53 -8.66	26.65 1.51 -8.91	27.06 1.51 -9.34	27.90 1.68 -7.79	32.86 1.65 -12.48	38.44 1.81 -16.28	37.93 2.03 -13.06	42.74 2.14 -15.39	34.45 1.92 -9.93	26.30 1.82 -3.02	22.69 1.31 -5.58
GLOBAL GREEN_PORT_GT1 23814	25.29 1.96 -8.03	22.84 1.77 -6.31	19.69 1.65 -4.21	20.40 1.70 -4.27	20.60 1.55 -5.92	24.74 1.79 -7.75	30.53 2.66 -7.14	32.56 2.37 -11.22	31.95 2.73 -9.31	27.32 2.53 -5.66	27.58 2.31 -7.51	27.54 2.28 -7.74	27.09 2.23 -7.59	27.37 2.10 -9.00	27.57 2.06 -9.29	28.00 2.07 -9.72	28.93 2.40 -8.10	34.09 2.36 -12.99	39.16 2.54 -16.27	38.83 2.90 -13.09	43.57 2.95 -15.41	35.39 2.85 -9.94	27.12 2.64 -3.03	23.22 1.82 -5.59
GLOBE___DSASP 323697	15.07 -0.95 -0.72	14.38 -0.97 -0.60	13.65 -0.82 -0.63	14.09 -0.88 -0.53	13.16 -0.85 -0.88	14.87 -1.06 -0.74	19.97 -1.22 -0.46	17.89 -1.50 -0.42	18.43 -1.75 -0.27	17.54 -1.70 -0.11	16.35 -1.56 -0.15	16.20 -1.54 -0.22	15.94 -1.57 -0.24	15.02 -1.55 -0.30	14.95 -1.61 -0.34	14.95 -1.60 -0.34	16.89 -1.83 -0.28	17.27 -1.93 -0.46	20.50 -2.08 -2.23	22.11 -2.24 -1.51	23.62 -2.65 -1.06	21.42 -2.08 -0.90	19.78 -1.78 -0.11	15.63 -1.00 -0.82
GOETHSLN___LBMP 323567	21.14 0.99 -4.85	19.78 0.99 -4.03	18.97 0.93 -4.20	18.98 0.95 -3.60	19.91 0.87 -5.91	21.14 0.97 -4.97	25.11 1.31 -3.06	30.93 1.23 -10.73	28.34 1.49 -6.94	23.78 1.57 -3.08	23.27 1.51 -4.00	24.95 1.49 -5.94	25.17 1.47 -6.44	25.58 1.37 -7.94	26.48 1.35 -8.91	26.70 1.31 -9.18	27.38 1.44 -7.50	32.20 1.39 -12.07	37.47 1.53 -15.59	34.74 1.67 -10.24	34.13 1.76 -7.16	30.30 1.60 -6.09	23.77 1.54 -0.77	22.50 1.12 -5.58
GOLAH___69_KV_TB 1_2 80279	15.67 -0.21 -0.58	14.87 -0.37 -0.48	14.03 -0.30 -0.50	14.53 -0.33 -0.43	13.49 -0.35 -0.71	15.40 -0.40 -0.59	20.77 -0.33 -0.37	19.70 -0.55 -1.28	19.98 -0.76 -0.83	18.64 -0.82 -0.33	17.43 -0.80 -0.47	17.39 -0.81 -0.68	17.21 -0.79 -0.74	16.39 -0.80 -0.91	16.38 -0.86 -1.02	16.41 -0.84 -1.05	18.41 -0.88 -0.86	19.16 -0.97 -1.39	21.18 -0.96 -1.79	23.15 -0.91 -1.22	25.08 -0.98 -0.85	22.61 -0.72 -0.73	20.77 -0.77 -0.09	16.09 -0.38 -0.67
GOODYEAR_LAKE_HYD 323669	16.93 0.58 -1.05	16.16 0.53 -0.87	15.24 0.50 -0.91	15.71 0.51 -0.78	14.87 0.46 -1.28	16.85 0.58 -1.07	22.29 0.89 -0.66	22.12 0.83 -2.31	22.22 0.82 -1.50	20.48 0.77 -0.58	19.29 0.69 -0.84	19.43 0.70 -1.21	19.28 0.69 -1.32	18.57 0.67 -1.63	18.66 0.62 -1.82	18.68 0.62 -1.86	20.68 0.72 -1.53	21.98 0.75 -2.49	24.29 0.75 -3.19	25.96 0.91 -2.21	27.84 1.08 -1.54	24.91 0.99 -1.31	22.52 0.90 -0.17	17.64 0.63 -1.20
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	16.87 0.14 -1.43	16.02 0.07 -1.19	15.16 0.08 -1.24	15.56 0.07 -1.06	14.93 0.05 -1.74	16.72 0.06 -1.46	21.89 0.25 -0.90	22.13 0.00 -3.16	21.75 -0.20 -2.04	19.71 -0.25 -0.82	18.65 -0.27 -1.16	18.95 -0.25 -1.68	18.82 -0.28 -1.83	18.25 -0.28 -2.26	18.45 -0.29 -2.52	18.48 -0.31 -2.58	20.28 -0.28 -2.12	21.90 -0.28 -3.44	24.76 0.00 -4.42	25.97 0.11 -3.01	27.42 0.10 -2.11	24.53 0.14 -1.79	21.79 0.11 -0.23	17.57 0.13 -1.64
GOUDEY___7 23579	16.87 0.14 -1.43	16.03 0.09 -1.19	15.16 0.08 -1.24	15.56 0.07 -1.06	14.94 0.07 -1.74	16.74 0.08 -1.46	21.91 0.27 -0.90	22.15 0.02 -3.16	21.77 -0.18 -2.04	19.73 -0.23 -0.82	18.66 -0.25 -1.16	18.97 -0.23 -1.68	18.83 -0.26 -1.83	18.27 -0.26 -2.26	18.47 -0.28 -2.52	18.50 -0.29 -2.58	20.30 -0.26 -2.12	21.92 -0.26 -3.44	24.79 0.02 -4.42	25.99 0.14 -3.01	27.44 0.13 -2.11	24.55 0.16 -1.79	21.81 0.13 -0.23	17.57 0.13 -1.64
GOUDEY___8 23580	16.87 0.14 -1.43	16.02 0.07 -1.19	15.16 0.08 -1.24	15.56 0.07 -1.06	14.93 0.05 -1.74	16.72 0.06 -1.46	21.89 0.25 -0.90	22.13 0.00 -3.16	21.75 -0.20 -2.04	19.71 -0.25 -0.82	18.65 -0.27 -1.16	18.95 -0.25 -1.68	18.82 -0.28 -1.83	18.25 -0.28 -2.26	18.45 -0.29 -2.52	18.48 -0.31 -2.58	20.28 -0.28 -2.12	21.90 -0.28 -3.44	24.76 0.00 -4.42	25.97 0.11 -3.01	27.42 0.10 -2.11	24.53 0.14 -1.79	21.79 0.11 -0.23	17.57 0.13 -1.64
GOWANUS_GT1_1 24077	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT1_2 24078	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60

GOWANUS_GT1_3 24079	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT1_4 24080	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT1_5 24084	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT1_6 24111	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT1_7 24112	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT1_8 24113	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_1 24114	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_2 24115	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_3 24116	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_4 24117	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_5 24118	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_6 24119	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_7 24120	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT2_8 24121	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT3_1 24122	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60

GOWANUS_GT3_2 24123	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT3_3 24124	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT3_4 24125	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT3_5 24126	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT3_6 24127	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT3_7 24128	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT3_8 24129	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_1 24130	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_2 24131	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_3 24132	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_4 24133	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_5 24134	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_6 24135	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_7 24136	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
GOWANUS_GT4_8 24137	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60

GREENBSH_115KV_TB3 55895	21.62 0.24 -6.07	20.05 0.25 -5.05	19.35 0.25 -5.26	19.21 0.27 -4.50	20.77 0.24 -7.40	21.70 0.27 -6.23	24.92 0.35 -3.83	32.65 0.25 -13.44	28.94 0.34 -8.68	22.68 0.33 -3.22	22.91 0.30 -4.85	24.68 0.28 -6.88	25.10 0.29 -7.54	25.84 0.26 -9.31	26.84 0.26 -10.36	27.04 0.26 -10.58	27.48 0.33 -8.71	33.31 0.34 -14.24	38.89 0.35 -18.20	36.07 0.41 -12.82	34.63 0.45 -8.97	30.64 0.41 -7.63	22.80 0.39 -0.96	22.98 0.19 -6.98
GREENDGE_115KV_TB5 80291	16.26 0.09 -0.87	15.48 0.00 -0.72	14.62 0.03 -0.75	15.08 0.00 -0.64	14.17 -0.03 -1.06	16.10 0.02 -0.89	21.52 0.23 -0.55	20.95 0.06 -1.92	21.00 -0.16 -1.24	19.40 -0.23 -0.50	18.21 -0.25 -0.70	18.30 -0.25 -1.02	18.14 -0.24 -1.11	17.38 -0.26 -1.37	17.48 -0.28 -1.53	17.50 -0.28 -1.57	19.50 -0.22 -1.29	20.61 -0.22 -2.09	22.91 -0.12 -2.69	24.70 0.02 -1.84	26.49 0.00 -1.28	23.76 0.07 -1.09	21.55 -0.04 -0.14	16.84 0.03 -1.00
GREENIDGE___3 23582	16.26 0.09 -0.87	15.48 0.00 -0.72	14.62 0.03 -0.75	15.08 0.00 -0.64	14.17 -0.03 -1.06	16.10 0.02 -0.89	21.52 0.23 -0.55	20.95 0.06 -1.92	21.00 -0.16 -1.24	19.40 -0.23 -0.50	18.21 -0.25 -0.70	18.30 -0.25 -1.02	18.14 -0.24 -1.11	17.38 -0.26 -1.37	17.48 -0.28 -1.53	17.50 -0.28 -1.57	19.50 -0.22 -1.29	20.61 -0.22 -2.09	22.91 -0.12 -2.69	24.70 0.02 -1.84	26.49 0.00 -1.28	23.76 0.07 -1.09	21.55 -0.04 -0.14	16.84 0.03 -1.00
GREENIDGE___4 23583	16.20 0.00 -0.89	15.50 0.00 -0.74	14.64 0.03 -0.77	15.09 0.00 -0.66	14.20 -0.03 -1.09	16.13 0.02 -0.92	21.53 0.23 -0.56	19.55 0.06 -0.52	20.09 -0.16 -0.34	19.04 -0.23 -0.14	17.70 -0.25 -0.19	17.55 -0.25 -0.28	17.31 -0.26 -0.30	16.38 -0.26 -0.37	16.35 -0.29 -0.41	16.36 -0.28 -0.42	18.53 -0.26 -0.35	19.04 -0.26 -0.57	23.00 -0.10 -2.76	24.72 0.00 -1.88	26.50 -0.03 -1.31	23.77 0.05 -1.12	21.57 -0.02 -0.14	16.86 0.03 -1.02
GREENLWN_69_KV_BK 3 55738	24.64 1.32 -8.02	22.38 1.31 -6.31	19.27 1.23 -4.20	19.95 1.26 -4.26	20.20 1.16 -5.91	24.26 1.32 -7.74	29.74 1.87 -7.14	31.35 1.65 -10.73	30.87 1.97 -8.99	26.63 1.95 -5.55	26.89 1.79 -7.34	26.81 1.79 -7.50	26.35 1.76 -7.32	26.59 1.66 -8.66	26.76 1.62 -8.91	27.19 1.64 -9.34	28.05 1.83 -7.79	33.01 1.80 -12.48	38.60 1.97 -16.28	38.11 2.22 -13.06	42.92 2.32 -15.39	34.63 2.10 -9.93	26.53 2.06 -3.02	22.85 1.47 -5.58
GREENWD_138_KV_38B11_REV_LBMP_J 345004	21.30 1.15 -4.85	19.91 1.12 -4.03	19.07 1.02 -4.20	19.05 1.02 -3.60	19.99 0.95 -5.91	21.17 1.00 -4.97	25.19 1.39 -3.06	30.93 1.23 -10.73	28.42 1.57 -6.94	23.87 1.66 -3.08	23.37 1.62 -4.00	25.07 1.61 -5.94	25.29 1.59 -6.44	25.75 1.53 -7.95	26.67 1.52 -8.92	26.88 1.49 -9.19	27.57 1.62 -7.51	32.35 1.54 -12.07	37.67 1.73 -15.60	35.00 1.92 -10.24	34.39 2.02 -7.16	30.51 1.81 -6.10	23.97 1.74 -0.78	22.64 1.25 -5.58
GRISSOM___SOLAR 323813	23.68 1.16 -7.21	22.05 1.30 -6.00	21.34 1.25 -6.26	21.08 1.30 -5.35	23.10 1.17 -8.80	24.06 1.46 -7.40	27.18 1.89 -4.56	36.80 1.52 -16.31	31.89 1.43 -10.55	24.49 1.30 -4.05	24.85 1.17 -5.92	27.19 1.19 -8.48	27.70 1.16 -9.27	28.79 1.07 -11.45	30.02 1.04 -12.76	30.33 1.07 -13.05	30.46 1.29 -10.74	37.80 1.57 -17.49	44.07 1.81 -21.92	40.08 2.03 -15.21	38.32 2.47 -10.64	33.78 2.12 -9.05	24.50 1.91 -1.14	25.43 1.34 -8.28
GROVEVILLE___HYD 323602	21.00 0.90 -4.79	19.63 0.89 -3.98	18.82 0.83 -4.16	18.80 0.81 -3.56	19.79 0.81 -5.84	21.06 0.94 -4.92	25.07 1.31 -3.03	30.77 1.20 -10.61	28.18 1.41 -6.86	23.46 1.34 -2.99	22.98 1.28 -3.94	24.57 1.23 -5.83	24.80 1.21 -6.32	25.21 1.14 -7.80	26.10 1.14 -8.75	26.40 1.20 -9.00	27.14 1.35 -7.36	31.91 1.31 -11.86	37.16 1.51 -15.31	34.63 1.67 -10.12	34.08 1.79 -7.08	30.19 1.56 -6.02	23.67 1.46 -0.76	22.36 1.04 -5.51
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	15.65 -0.15 -0.50	14.98 -0.19 -0.42	14.11 -0.17 -0.44	14.60 -0.20 -0.37	13.55 -0.20 -0.61	15.52 -0.20 -0.52	20.89 -0.17 -0.32	19.83 -0.25 -1.11	20.29 -0.34 -0.72	19.04 -0.38 -0.29	17.79 -0.37 -0.41	17.76 -0.35 -0.59	17.56 -0.35 -0.64	16.72 -0.34 -0.79	16.77 -0.34 -0.89	16.76 -0.36 -0.91	18.83 -0.35 -0.75	19.57 -0.37 -1.21	21.61 -0.28 -1.55	23.67 -0.23 -1.06	25.72 -0.23 -0.74	23.08 -0.16 -0.63	21.32 -0.21 -0.08	16.22 -0.16 -0.58
HAMLTNNY_34_KV_TB 80303	15.68 -0.15 -0.53	15.02 -0.18 -0.44	14.13 -0.17 -0.46	14.62 -0.20 -0.39	13.58 -0.20 -0.65	15.54 -0.20 -0.54	21.01 -0.06 -0.33	19.97 -0.17 -1.17	20.37 -0.30 -0.76	19.11 -0.33 -0.30	17.85 -0.34 -0.43	17.83 -0.32 -0.62	17.65 -0.29 -0.68	16.80 -0.31 -0.84	16.85 -0.31 -0.93	16.84 -0.32 -0.96	18.91 -0.31 -0.79	19.67 -0.34 -1.28	21.74 -0.24 -1.64	23.77 -0.18 -1.12	25.81 -0.18 -0.78	23.16 -0.11 -0.67	21.36 -0.17 -0.08	16.30 -0.11 -0.61
HAMPSHIRE___PAPER_HYD 323593	14.95 -0.49 -0.14	14.39 -0.49 -0.12	13.49 -0.47 -0.12	14.07 -0.46 -0.11	12.90 -0.41 -0.17	14.90 -0.44 -0.15	20.16 -0.66 -0.09	18.38 -0.59 0.00	19.12 -0.80 0.00	18.39 -0.75 0.00	17.01 -0.75 0.00	16.79 -0.74 0.00	16.54 -0.72 0.00	15.62 -0.65 0.00	15.56 -0.67 0.00	15.54 -0.67 0.00	17.66 -0.77 0.00	18.04 -0.69 0.00	20.07 -0.71 -0.44	22.37 -0.75 -0.28	24.68 -0.73 -0.20	22.00 -0.77 -0.17	20.66 -0.82 -0.02	15.39 -0.57 -0.16
HARDSCRABBLE_WT_PWR 323673	15.16 -0.14 0.00	14.67 -0.09 0.00	13.77 -0.07 0.00	14.36 -0.07 0.00	13.08 -0.05 0.00	15.15 -0.05 0.00	20.61 -0.12 0.00	18.82 -0.15 0.00	19.77 -0.14 0.00	19.00 -0.13 0.00	17.61 -0.14 0.00	17.36 -0.16 0.00	17.13 -0.14 0.00	16.14 -0.13 0.00	16.06 -0.16 0.00	16.04 -0.16 0.00	18.23 -0.20 0.00	18.51 -0.22 0.00	20.10 -0.24 0.00	22.54 -0.30 0.00	24.91 -0.30 0.00	22.40 -0.20 0.00	21.28 -0.17 0.00	15.69 -0.11 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	20.74 0.89 -4.55	19.41 0.87 -3.78	18.59 0.80 -3.95	18.60 0.79 -3.38	19.47 0.79 -5.55	20.78 0.91 -4.67	24.88 1.27 -2.88	30.20 1.16 -10.08	27.80 1.37 -6.51	23.33 1.32 -2.88	22.77 1.26 -3.75	24.31 1.23 -5.57	24.51 1.21 -6.04	24.85 1.14 -7.44	25.71 1.14 -8.35	25.99 1.18 -8.60	26.80 1.33 -7.03	31.35 1.29 -11.32	36.41 1.44 -14.62	34.05 1.60 -9.61	33.67 1.74 -6.73	29.84 1.51 -5.72	23.57 1.39 -0.72	22.04 1.00 -5.24
HARSNRAD_115KV_TB1 81005	15.42 -0.55 -0.67	14.60 -0.71 -0.56	13.85 -0.57 -0.58	14.31 -0.62 -0.50	13.32 -0.63 -0.82	15.09 -0.79 -0.69	20.31 -0.85 -0.42	19.35 -1.10 -1.48	19.51 -1.35 -0.96	18.20 -1.32 -0.39	17.07 -1.23 -0.54	17.10 -1.21 -0.78	16.88 -1.24 -0.86	16.09 -1.24 -1.06	16.10 -1.30 -1.18	16.12 -1.30 -1.21	18.03 -1.40 -0.99	18.85 -1.50 -1.61	20.68 -1.73 -2.07	22.49 -1.76 -1.41	24.13 -2.07 -0.99	21.86 -1.58 -0.84	20.14 -1.42 -0.11	15.83 -0.74 -0.77
HARZA MOOSE___RIVER 24016	15.44 -0.02 -0.16	14.84 -0.04 -0.13	13.93 -0.04 -0.14	14.49 -0.06 -0.12	13.29 -0.04 -0.19	15.36 0.00 -0.16	20.86 0.02 -0.10	19.32 0.00 -0.35	20.02 -0.12 -0.23	19.07 -0.15 -0.09	17.67 -0.21 -0.13	17.50 -0.21 -0.19	17.30 -0.17 -0.20	16.37 -0.15 -0.25	16.31 -0.19 -0.28	16.31 -0.18 -0.29	18.49 -0.18 -0.23	18.99 -0.13 -0.38	20.81 -0.02 -0.49	23.19 0.02 -0.33	25.64 0.20 -0.23	22.89 0.09 -0.20	21.46 -0.02 -0.03	15.94 -0.05 -0.18

HDSNBRDG_115KV_BRDG_TB1 355580	15.55 -0.23 -0.47	14.89 -0.27 -0.39	14.01 -0.24 -0.41	14.52 -0.26 -0.35	13.47 -0.25 -0.58	15.41 -0.27 -0.49	20.79 -0.25 -0.30	19.68 -0.34 -1.05	20.15 -0.44 -0.68	18.95 -0.46 -0.27	17.70 -0.44 -0.38	17.64 -0.44 -0.56	17.46 -0.41 -0.61	16.61 -0.41 -0.75	16.64 -0.42 -0.84	16.64 -0.42 -0.86	18.70 -0.44 -0.70	19.41 -0.47 -1.14	21.43 -0.39 -1.47	23.50 -0.34 -1.00	25.53 -0.38 -0.70	22.91 -0.29 -0.60	21.21 -0.32 -0.08	16.11 -0.24 -0.55
HELLGATE_13_KV_LD 55870	21.21 1.06 -4.85	19.83 1.05 -4.03	19.00 0.95 -4.20	19.00 0.97 -3.60	19.94 0.89 -5.91	21.13 0.96 -4.97	25.13 1.33 -3.06	30.91 1.21 -10.73	28.36 1.51 -6.94	23.80 1.59 -3.08	23.28 1.53 -4.00	24.99 1.52 -5.94	25.19 1.48 -6.44	25.62 1.42 -7.94	26.55 1.41 -8.91	26.76 1.38 -9.18	27.43 1.49 -7.50	32.25 1.44 -12.07	37.55 1.61 -15.60	34.86 1.78 -10.24	34.24 1.87 -7.16	30.34 1.65 -6.09	23.81 1.59 -0.77	22.52 1.14 -5.58
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	21.21 1.06 -4.85	19.83 1.05 -4.03	19.00 0.95 -4.20	19.00 0.97 -3.60	19.94 0.89 -5.91	21.13 0.96 -4.97	25.13 1.33 -3.06	30.91 1.21 -10.73	28.36 1.51 -6.94	23.80 1.59 -3.08	23.28 1.53 -4.00	24.99 1.52 -5.94	25.19 1.48 -6.44	25.62 1.42 -7.94	26.55 1.41 -8.91	26.76 1.38 -9.18	27.43 1.49 -7.50	32.25 1.44 -12.07	37.55 1.61 -15.60	34.86 1.78 -10.24	34.24 1.87 -7.16	30.34 1.65 -6.09	23.81 1.59 -0.77	22.52 1.14 -5.58
HEMPSTEAD____ 23647	24.60 1.27 -8.03	22.23 1.17 -6.31	19.14 1.09 -4.21	19.83 1.13 -4.27	20.08 1.03 -5.92	24.12 1.17 -7.75	29.54 1.66 -7.14	31.67 1.48 -11.22	30.99 1.77 -9.31	26.57 1.78 -5.66	26.92 1.65 -7.51	26.91 1.65 -7.74	26.47 1.61 -7.59	26.78 1.51 -9.00	27.03 1.52 -9.29	27.47 1.54 -9.72	28.21 1.68 -8.10	33.37 1.65 -12.99	38.43 1.81 -16.27	37.94 2.01 -13.09	42.79 2.17 -15.41	34.47 1.92 -9.94	26.34 1.87 -3.03	22.71 1.31 -5.59
HEWLETT__69_KV_BK3 55828	24.65 1.33 -8.02	22.39 1.33 -6.31	19.27 1.23 -4.20	19.97 1.27 -4.26	20.20 1.16 -5.91	24.28 1.34 -7.74	29.70 1.82 -7.14	31.31 1.61 -10.73	30.81 1.91 -8.99	26.59 1.91 -5.55	26.87 1.78 -7.34	26.79 1.77 -7.50	26.31 1.73 -7.32	26.58 1.64 -8.66	26.74 1.61 -8.91	27.15 1.60 -9.34	28.03 1.81 -7.79	32.97 1.76 -12.48	38.58 1.95 -16.28	38.09 2.19 -13.06	42.94 2.34 -15.39	34.63 2.10 -9.93	26.53 2.06 -3.02	22.85 1.47 -5.58
HICKLING__1 23621	16.63 0.24 -1.09	15.79 0.13 -0.90	14.93 0.15 -0.94	15.38 0.14 -0.81	14.57 0.11 -1.33	16.45 0.14 -1.12	21.90 0.48 -0.69	21.68 0.30 -2.41	21.55 0.08 -1.56	19.78 0.02 -0.63	18.62 -0.02 -0.88	18.80 0.00 -1.28	18.62 -0.03 -1.39	17.91 -0.08 -1.72	18.05 -0.10 -1.92	18.06 -0.11 -1.97	20.01 -0.04 -1.62	21.30 -0.06 -2.62	23.75 0.04 -3.37	25.34 0.21 -2.30	27.02 0.20 -1.61	24.22 0.25 -1.37	21.82 0.19 -0.17	17.28 0.22 -1.25
HICKLING__2 23622	16.63 0.24 -1.09	15.79 0.13 -0.90	14.93 0.15 -0.94	15.38 0.14 -0.81	14.57 0.11 -1.33	16.45 0.14 -1.12	21.90 0.48 -0.69	21.68 0.30 -2.41	21.55 0.08 -1.56	19.78 0.02 -0.63	18.62 -0.02 -0.88	18.80 0.00 -1.28	18.62 -0.03 -1.39	17.91 -0.08 -1.72	18.05 -0.10 -1.92	18.06 -0.11 -1.97	20.01 -0.04 -1.62	21.30 -0.06 -2.62	23.75 0.04 -3.37	25.34 0.21 -2.30	27.02 0.20 -1.61	24.22 0.25 -1.37	21.82 0.19 -0.17	17.28 0.22 -1.25
HIGH FALLS__HY 23754	20.71 0.95 -4.46	19.40 0.93 -3.71	18.57 0.86 -3.87	18.54 0.79 -3.31	19.45 0.87 -5.44	20.78 1.00 -4.58	24.86 1.31 -2.82	30.06 1.21 -9.88	27.71 1.41 -6.39	23.29 1.45 -2.70	22.67 1.26 -3.65	24.08 1.21 -5.35	24.29 1.21 -5.82	24.60 1.16 -7.18	25.40 1.14 -8.04	25.70 1.23 -8.26	26.56 1.36 -6.77	31.00 1.33 -10.93	35.97 1.55 -14.08	33.95 1.69 -9.43	33.62 1.82 -6.59	29.77 1.56 -5.61	23.62 1.46 -0.71	21.97 1.03 -5.13
HILLBURN__GT 23639	20.81 0.92 -4.59	19.48 0.92 -3.81	18.66 0.84 -3.98	18.69 0.85 -3.40	19.54 0.81 -5.59	20.83 0.93 -4.71	24.90 1.27 -2.90	30.76 1.16 -10.64	28.16 1.37 -6.88	23.50 1.36 -3.01	23.03 1.31 -3.96	24.68 1.30 -5.86	24.90 1.28 -6.36	25.31 1.20 -7.84	26.23 1.22 -8.79	26.48 1.23 -9.05	27.22 1.38 -7.40	32.02 1.37 -11.92	36.54 1.48 -14.71	34.19 1.65 -9.71	33.76 1.76 -6.79	29.92 1.54 -5.78	23.60 1.42 -0.73	22.09 1.00 -5.29
HILLSIDE_115KV_TB1 80332	16.46 0.03 -1.13	15.65 -0.04 -0.94	14.79 -0.03 -0.98	15.22 -0.04 -0.84	14.46 -0.05 -1.37	16.31 -0.05 -1.15	21.59 0.15 -0.71	21.46 0.00 -2.49	21.30 -0.22 -1.61	19.51 -0.27 -0.65	18.38 -0.28 -0.91	18.56 -0.28 -1.32	18.40 -0.31 -1.44	17.72 -0.33 -1.78	17.85 -0.36 -1.99	17.89 -0.36 -2.04	19.77 -0.33 -1.67	21.11 -0.34 -2.71	23.57 -0.26 -3.48	25.05 -0.16 -2.38	26.64 -0.23 -1.66	23.88 -0.14 -1.41	21.48 -0.15 -0.18	17.08 -0.02 -1.29
HISHELDN_WT_PWR 323625	15.71 -0.41 -0.82	14.98 -0.46 -0.69	14.21 -0.35 -0.72	14.65 -0.39 -0.61	13.72 -0.42 -1.01	15.53 -0.52 -0.85	20.82 -0.44 -0.52	18.84 -0.61 -0.48	19.39 -0.84 -0.31	18.43 -0.82 -0.13	17.15 -0.78 -0.18	17.01 -0.77 -0.26	16.73 -0.81 -0.28	15.78 -0.83 -0.34	15.70 -0.91 -0.38	15.69 -0.91 -0.39	17.76 -1.00 -0.32	18.19 -1.07 -0.52	21.74 -1.16 -2.55	23.35 -1.21 -1.72	24.95 -1.46 -1.21	22.57 -1.06 -1.03	20.66 -0.92 -0.13	16.30 -0.44 -0.94
HOLTSVILLE_IC_1 23690	24.84 1.52 -8.03	22.45 1.39 -6.31	19.35 1.30 -4.21	20.04 1.34 -4.27	20.28 1.22 -5.92	24.34 1.40 -7.75	29.91 2.03 -7.14	31.97 1.78 -11.22	31.35 2.13 -9.31	26.82 2.03 -5.66	27.10 1.83 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.96 1.69 -9.00	27.16 1.66 -9.29	27.58 1.65 -9.72	28.44 1.90 -8.10	33.58 1.86 -12.99	38.63 2.01 -16.27	38.19 2.26 -13.09	42.94 2.32 -15.41	34.74 2.19 -9.94	26.60 2.12 -3.03	22.85 1.45 -5.59
HOLTSVILLE_IC_10 23699	24.93 1.61 -8.03	22.51 1.45 -6.31	19.40 1.36 -4.21	20.10 1.40 -4.27	20.33 1.27 -5.92	24.41 1.46 -7.75	30.03 2.16 -7.14	32.09 1.90 -11.22	31.47 2.25 -9.31	26.92 2.12 -5.66	27.21 1.94 -7.51	27.19 1.93 -7.74	26.78 1.92 -7.59	27.06 1.79 -9.00	27.26 1.75 -9.29	27.70 1.77 -9.72	28.56 2.03 -8.10	33.71 1.99 -12.99	38.77 2.16 -16.27	38.37 2.44 -13.09	43.11 2.50 -15.41	34.90 2.35 -9.94	26.73 2.25 -3.03	22.93 1.53 -5.59
HOLTSVILLE_IC_2 23691	24.84 1.52 -8.03	22.45 1.39 -6.31	19.35 1.30 -4.21	20.04 1.34 -4.27	20.28 1.22 -5.92	24.34 1.40 -7.75	29.91 2.03 -7.14	31.97 1.78 -11.22	31.35 2.13 -9.31	26.82 2.03 -5.66	27.10 1.83 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.96 1.69 -9.00	27.16 1.66 -9.29	27.58 1.65 -9.72	28.44 1.90 -8.10	33.58 1.86 -12.99	38.63 2.01 -16.27	38.19 2.26 -13.09	42.94 2.32 -15.41	34.74 2.19 -9.94	26.60 2.12 -3.03	22.85 1.45 -5.59
HOLTSVILLE_IC_3 23692	24.84 1.52 -8.03	22.45 1.39 -6.31	19.35 1.30 -4.21	20.04 1.34 -4.27	20.28 1.22 -5.92	24.34 1.40 -7.75	29.91 2.03 -7.14	31.97 1.78 -11.22	31.35 2.13 -9.31	26.82 2.03 -5.66	27.10 1.83 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.96 1.69 -9.00	27.16 1.66 -9.29	27.58 1.65 -9.72	28.44 1.90 -8.10	33.58 1.86 -12.99	38.63 2.01 -16.27	38.19 2.26 -13.09	42.94 2.32 -15.41	34.74 2.19 -9.94	26.60 2.12 -3.03	22.85 1.45 -5.59

HOLTSVILLE_IC_4 23693	24.84 1.52 -8.03	22.45 1.39 -6.31	19.35 1.30 -4.21	20.04 1.34 -4.27	20.28 1.22 -5.92	24.34 1.40 -7.75	29.91 2.03 -7.14	31.97 1.78 -11.22	31.35 2.13 -9.31	26.82 2.03 -5.66	27.10 1.83 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.96 1.69 -9.00	27.16 1.66 -9.29	27.58 1.65 -9.72	28.44 1.90 -8.10	33.58 1.86 -12.99	38.63 2.01 -16.27	38.19 2.26 -13.09	42.94 2.32 -15.41	34.74 2.19 -9.94	26.60 2.12 -3.03	22.85 1.45 -5.59
HOLTSVILLE_IC_5 23694	24.84 1.52 -8.03	22.45 1.39 -6.31	19.35 1.30 -4.21	20.04 1.34 -4.27	20.28 1.22 -5.92	24.34 1.40 -7.75	29.91 2.03 -7.14	31.97 1.78 -11.22	31.35 2.13 -9.31	26.82 2.03 -5.66	27.10 1.83 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.96 1.69 -9.00	27.16 1.66 -9.29	27.58 1.65 -9.72	28.44 1.90 -8.10	33.58 1.86 -12.99	38.63 2.01 -16.27	38.19 2.26 -13.09	42.94 2.32 -15.41	34.74 2.19 -9.94	26.60 2.12 -3.03	22.85 1.45 -5.59
HOLTSVILLE_IC_6 23695	24.93 1.61 -8.03	22.51 1.45 -6.31	19.40 1.36 -4.21	20.10 1.40 -4.27	20.33 1.27 -5.92	24.41 1.46 -7.75	30.03 2.16 -7.14	32.09 1.90 -11.22	31.47 2.25 -9.31	26.92 2.12 -5.66	27.21 1.94 -7.51	27.19 1.93 -7.74	26.78 1.92 -7.59	27.06 1.79 -9.00	27.26 1.75 -9.29	27.70 1.77 -9.72	28.56 2.03 -8.10	33.71 1.99 -12.99	38.77 2.16 -16.27	38.37 2.44 -13.09	43.11 2.50 -15.41	34.90 2.35 -9.94	26.73 2.25 -3.03	22.93 1.53 -5.59
HOLTSVILLE_IC_7 23696	24.93 1.61 -8.03	22.51 1.45 -6.31	19.40 1.36 -4.21	20.10 1.40 -4.27	20.33 1.27 -5.92	24.41 1.46 -7.75	30.03 2.16 -7.14	32.09 1.90 -11.22	31.47 2.25 -9.31	26.92 2.12 -5.66	27.21 1.94 -7.51	27.19 1.93 -7.74	26.78 1.92 -7.59	27.06 1.79 -9.00	27.26 1.75 -9.29	27.70 1.77 -9.72	28.56 2.03 -8.10	33.71 1.99 -12.99	38.77 2.16 -16.27	38.37 2.44 -13.09	43.11 2.50 -15.41	34.90 2.35 -9.94	26.73 2.25 -3.03	22.93 1.53 -5.59
HOLTSVILLE_IC_8 23697	24.93 1.61 -8.03	22.51 1.45 -6.31	19.40 1.36 -4.21	20.10 1.40 -4.27	20.33 1.27 -5.92	24.41 1.46 -7.75	30.03 2.16 -7.14	32.09 1.90 -11.22	31.47 2.25 -9.31	26.92 2.12 -5.66	27.21 1.94 -7.51	27.19 1.93 -7.74	26.78 1.92 -7.59	27.06 1.79 -9.00	27.26 1.75 -9.29	27.70 1.77 -9.72	28.56 2.03 -8.10	33.71 1.99 -12.99	38.77 2.16 -16.27	38.37 2.44 -13.09	43.11 2.50 -15.41	34.90 2.35 -9.94	26.73 2.25 -3.03	22.93 1.53 -5.59
HOLTSVILLE_IC_9 23698	24.93 1.61 -8.03	22.51 1.45 -6.31	19.40 1.36 -4.21	20.10 1.40 -4.27	20.33 1.27 -5.92	24.41 1.46 -7.75	30.03 2.16 -7.14	32.09 1.90 -11.22	31.47 2.25 -9.31	26.92 2.12 -5.66	27.21 1.94 -7.51	27.19 1.93 -7.74	26.78 1.92 -7.59	27.06 1.79 -9.00	27.26 1.75 -9.29	27.70 1.77 -9.72	28.56 2.03 -8.10	33.71 1.99 -12.99	38.77 2.16 -16.27	38.37 2.44 -13.09	43.11 2.50 -15.41	34.90 2.35 -9.94	26.73 2.25 -3.03	22.93 1.53 -5.59
HOMER_HL_115KV_TB2 355744	15.75 -0.38 -0.83	14.93 -0.52 -0.69	14.14 -0.42 -0.72	14.59 -0.46 -0.62	13.67 -0.47 -1.01	15.50 -0.55 -0.85	20.87 -0.39 -0.52	20.71 -0.09 -1.84	20.74 -0.36 -1.19	19.23 -0.38 -0.48	18.06 -0.37 -0.67	18.14 -0.35 -0.97	17.91 -0.41 -1.06	17.14 -0.44 -1.31	17.18 -0.50 -1.46	17.19 -0.52 -1.50	19.17 -0.50 -1.23	20.21 -0.52 -2.00	21.87 -1.04 -2.57	23.56 -1.03 -1.75	25.25 -1.18 -1.22	22.74 -0.90 -1.04	20.70 -0.88 -0.13	16.33 -0.43 -0.95
HOWARD_WT_PWR 323690	16.36 0.11 -0.95	15.60 0.06 -0.79	14.76 0.10 -0.82	15.22 0.09 -0.70	14.32 0.03 -1.16	16.23 0.06 -0.97	21.71 0.37 -0.60	19.71 0.19 -0.56	20.23 -0.04 -0.36	19.16 -0.11 -0.14	17.82 -0.14 -0.20	17.69 -0.12 -0.29	17.41 -0.17 -0.32	16.45 -0.21 -0.40	16.39 -0.28 -0.44	16.38 -0.28 -0.45	18.55 -0.26 -0.37	19.08 -0.26 -0.60	23.08 -0.20 -2.93	24.71 -0.11 -1.99	26.43 -0.18 -1.39	23.74 -0.05 -1.18	21.56 -0.04 -0.15	16.98 0.10 -1.08
HQ_GEN_CEDARS 23644	15.31 -0.03 -0.04	14.80 0.01 -0.03	13.86 -0.01 -0.03	14.50 0.04 -0.03	13.22 0.04 -0.05	15.27 0.03 -0.04	20.49 -0.27 -0.02	18.90 -0.15 -0.09	19.69 -0.28 -0.06	18.96 -0.19 -0.02	17.59 -0.20 -0.03	17.37 -0.19 -0.05	17.11 -0.21 -0.05	16.15 -0.18 -0.06	16.16 -0.13 -0.07	16.18 -0.10 -0.07	18.25 -0.24 -0.06	18.62 -0.21 -0.09	20.24 -0.22 -0.12	22.60 -0.32 -0.08	24.86 -0.40 -0.06	22.22 -0.43 -0.05	21.07 -0.39 -0.01	15.69 -0.16 -0.04
HQ_GEN_CEDARS_PROXY 323590	15.26 -0.05 0.00	14.77 0.01 0.00	13.82 -0.01 0.00	14.48 0.04 0.00	13.18 0.04 0.00	15.23 0.03 0.00	20.47 -0.27 0.00	18.82 -0.15 0.00	19.63 -0.28 0.00	18.94 -0.19 0.00	17.56 -0.19 0.00	17.33 -0.19 0.00	17.06 -0.21 0.00	16.09 -0.18 0.00	16.06 -0.16 0.00	16.06 -0.15 0.00	18.19 -0.24 0.00	18.53 -0.21 0.00	20.08 -0.27 0.00	22.52 -0.32 0.00	24.83 -0.38 0.00	22.17 -0.43 0.00	21.04 -0.41 0.00	15.63 -0.17 0.00
HQ_GEN_IMPORT 323601	15.13 -0.17 0.00	14.62 -0.13 0.00	13.70 -0.14 0.00	14.30 -0.13 0.00	13.03 -0.11 0.00	15.06 -0.14 0.00	20.47 -0.27 0.00	18.76 -0.21 0.00	19.67 -0.24 0.00	18.92 -0.21 0.00	17.58 -0.18 0.00	17.33 -0.19 0.00	17.08 -0.19 0.00	16.09 -0.18 0.00	16.06 -0.16 0.00	16.04 -0.16 0.00	18.23 -0.20 0.00	18.55 -0.19 0.00	20.12 -0.22 0.00	22.56 -0.27 0.00	24.88 -0.33 0.00	22.29 -0.32 0.00	21.17 -0.28 0.00	15.62 -0.19 0.00
HQ_GEN_WHEEL 23651	15.13 -0.17 0.00	14.62 -0.13 0.00	13.70 -0.14 0.00	14.30 -0.13 0.00	13.03 -0.11 0.00	15.06 -0.14 0.00	20.47 -0.27 0.00	18.76 -0.21 0.00	19.67 -0.24 0.00	18.92 -0.21 0.00	17.58 -0.18 0.00	17.33 -0.19 0.00	17.08 -0.19 0.00	16.09 -0.18 0.00	16.06 -0.16 0.00	16.04 -0.16 0.00	18.23 -0.20 0.00	18.55 -0.19 0.00	20.12 -0.22 0.00	22.56 -0.27 0.00	24.88 -0.33 0.00	22.29 -0.32 0.00	21.17 -0.28 0.00	15.62 -0.19 0.00
HUDSON_AVE_GT_3 23810	21.24 1.09 -4.85	19.82 1.03 -4.04	19.01 0.97 -4.21	19.01 0.98 -3.60	19.96 0.91 -5.92	21.20 1.02 -4.98	25.19 1.39 -3.07	31.50 1.31 -11.22	28.74 1.57 -7.25	23.95 1.63 -3.19	23.48 1.54 -4.17	25.25 1.54 -6.19	25.50 1.52 -6.71	25.98 1.43 -8.27	26.95 1.44 -9.28	27.20 1.44 -9.56	27.82 1.57 -7.82	32.86 1.54 -12.59	37.60 1.67 -15.58	34.96 1.85 -10.27	34.38 1.99 -7.18	30.48 1.76 -6.11	23.88 1.65 -0.77	22.57 1.17 -5.59
HUDSON_AVE_GT_4 23540	21.24 1.09 -4.85	19.82 1.03 -4.04	19.01 0.97 -4.21	19.01 0.98 -3.60	19.96 0.91 -5.92	21.20 1.02 -4.98	25.19 1.39 -3.07	31.50 1.31 -11.22	28.74 1.57 -7.25	23.95 1.63 -3.19	23.48 1.54 -4.17	25.25 1.54 -6.19	25.50 1.52 -6.71	25.98 1.43 -8.27	26.95 1.44 -9.28	27.20 1.44 -9.56	27.82 1.57 -7.82	32.86 1.54 -12.59	37.60 1.67 -15.58	34.96 1.85 -10.27	34.38 1.99 -7.18	30.48 1.76 -6.11	23.88 1.65 -0.77	22.57 1.17 -5.59
HUDSON_AVE_GT_5 23657	21.24 1.09 -4.85	19.82 1.03 -4.04	19.01 0.97 -4.21	19.01 0.98 -3.60	19.96 0.91 -5.92	21.20 1.02 -4.98	25.19 1.39 -3.07	31.50 1.31 -11.22	28.74 1.57 -7.25	23.95 1.63 -3.19	23.48 1.54 -4.17	25.25 1.54 -6.19	25.50 1.52 -6.71	25.98 1.43 -8.27	26.95 1.44 -9.28	27.20 1.44 -9.56	27.82 1.57 -7.82	32.86 1.54 -12.59	37.60 1.67 -15.58	34.96 1.85 -10.27	34.38 1.99 -7.18	30.48 1.76 -6.11	23.88 1.65 -0.77	22.57 1.17 -5.59

HUDSON_AVE_10 24168	21.16 1.01 -4.85	19.78 0.99 -4.03	18.97 0.93 -4.20	18.97 0.94 -3.60	19.91 0.87 -5.91	21.14 0.97 -4.97	25.17 1.37 -3.06	30.97 1.27 -10.73	28.40 1.55 -6.94	23.80 1.59 -3.08	23.27 1.51 -4.00	24.97 1.51 -5.94	25.17 1.47 -6.44	25.59 1.38 -7.94	26.51 1.38 -8.91	26.74 1.36 -9.18	27.41 1.47 -7.50	32.23 1.42 -12.07	37.53 1.59 -15.59	34.83 1.76 -10.24	34.21 1.84 -7.16	30.37 1.67 -6.09	23.85 1.63 -0.77	22.53 1.15 -5.58
HUDSON___115KV_TB 4 355613	21.51 0.37 -5.84	19.97 0.35 -4.86	19.25 0.35 -5.07	19.12 0.35 -4.34	20.62 0.35 -7.13	21.64 0.44 -6.00	25.05 0.62 -3.69	32.42 0.51 -12.94	28.83 0.56 -8.36	22.90 0.57 -3.19	22.89 0.44 -4.69	24.63 0.40 -6.71	25.00 0.40 -7.33	25.70 0.37 -9.06	26.69 0.37 -10.09	26.91 0.39 -10.32	27.42 0.50 -8.49	33.12 0.54 -13.84	38.67 0.61 -17.71	35.89 0.71 -12.35	34.68 0.83 -8.64	30.67 0.72 -7.34	23.02 0.64 -0.93	22.92 0.40 -6.72
HUNTER MOUNT___DRP 323613	21.31 0.32 -5.68	19.78 0.30 -4.73	19.06 0.29 -4.93	18.92 0.27 -4.22	20.38 0.32 -6.93	21.44 0.41 -5.83	24.93 0.60 -3.59	32.06 0.51 -12.58	28.60 0.56 -8.13	22.89 0.59 -3.16	22.72 0.39 -4.58	24.44 0.35 -6.57	24.79 0.35 -7.18	25.44 0.31 -8.86	26.42 0.31 -9.89	26.68 0.36 -10.11	27.19 0.44 -8.32	32.76 0.49 -13.54	38.28 0.59 -17.34	35.50 0.66 -12.00	34.44 0.83 -8.40	30.47 0.72 -7.14	22.98 0.62 -0.90	22.72 0.38 -6.54
HUNTINGTON_RES_REC 323705	24.81 1.48 -8.03	22.41 1.34 -6.31	19.31 1.26 -4.21	20.00 1.30 -4.27	20.24 1.18 -5.92	24.30 1.35 -7.75	29.87 1.99 -7.14	31.95 1.76 -11.22	31.31 2.09 -9.31	26.82 2.03 -5.66	27.13 1.86 -7.51	27.12 1.86 -7.74	26.69 1.83 -7.59	26.99 1.72 -9.00	27.21 1.70 -9.29	27.65 1.72 -9.72	28.49 1.95 -8.10	33.66 1.93 -12.99	38.73 2.12 -16.27	38.30 2.38 -13.09	43.09 2.47 -15.41	34.81 2.26 -9.94	26.64 2.17 -3.03	22.88 1.49 -5.59
HUNTLEY___63 23557	15.56 -0.44 -0.70	14.72 -0.62 -0.58	13.97 -0.47 -0.61	14.42 -0.53 -0.52	13.44 -0.55 -0.85	15.20 -0.71 -0.72	20.45 -0.73 -0.44	19.59 -0.93 -1.55	19.76 -1.15 -1.00	18.41 -1.13 -0.40	17.26 -1.07 -0.57	17.31 -1.03 -0.82	17.07 -1.09 -0.89	16.28 -1.09 -1.10	16.29 -1.17 -1.23	16.30 -1.17 -1.26	18.24 -1.24 -1.04	19.07 -1.35 -1.68	20.92 -1.59 -2.16	22.71 -1.60 -1.48	24.37 -1.87 -1.03	22.10 -1.38 -0.88	20.32 -1.24 -0.11	15.98 -0.63 -0.80
HUNTLEY___64 23558	15.56 -0.44 -0.70	14.72 -0.62 -0.58	13.97 -0.47 -0.61	14.42 -0.53 -0.52	13.44 -0.55 -0.85	15.20 -0.71 -0.72	20.45 -0.73 -0.44	19.59 -0.93 -1.55	19.76 -1.15 -1.00	18.41 -1.13 -0.40	17.26 -1.07 -0.57	17.31 -1.03 -0.82	17.07 -1.09 -0.89	16.28 -1.09 -1.10	16.29 -1.17 -1.23	16.30 -1.17 -1.26	18.24 -1.24 -1.04	19.07 -1.35 -1.68	20.92 -1.59 -2.16	22.71 -1.60 -1.48	24.37 -1.87 -1.03	22.10 -1.38 -0.88	20.32 -1.24 -0.11	15.98 -0.63 -0.80
HUNTLEY___65 23559	15.56 -0.44 -0.70	14.72 -0.62 -0.58	13.97 -0.47 -0.61	14.42 -0.53 -0.52	13.44 -0.55 -0.85	15.20 -0.71 -0.72	20.45 -0.73 -0.44	19.59 -0.93 -1.55	19.76 -1.15 -1.00	18.41 -1.13 -0.40	17.26 -1.07 -0.57	17.31 -1.03 -0.82	17.07 -1.09 -0.89	16.28 -1.09 -1.10	16.29 -1.17 -1.23	16.30 -1.17 -1.26	18.24 -1.24 -1.04	19.07 -1.35 -1.68	20.92 -1.59 -2.16	22.71 -1.60 -1.48	24.37 -1.87 -1.03	22.10 -1.38 -0.88	20.32 -1.24 -0.11	15.98 -0.63 -0.80
HUNTLEY___66 23560	15.56 -0.44 -0.70	14.72 -0.62 -0.58	13.97 -0.47 -0.61	14.42 -0.53 -0.52	13.44 -0.55 -0.85	15.20 -0.71 -0.72	20.45 -0.73 -0.44	19.59 -0.93 -1.55	19.76 -1.15 -1.00	18.41 -1.13 -0.40	17.26 -1.07 -0.57	17.31 -1.03 -0.82	17.07 -1.09 -0.89	16.28 -1.09 -1.10	16.29 -1.17 -1.23	16.30 -1.17 -1.26	18.24 -1.24 -1.04	19.07 -1.35 -1.68	20.92 -1.59 -2.16	22.71 -1.60 -1.48	24.37 -1.87 -1.03	22.10 -1.38 -0.88	20.32 -1.24 -0.11	15.98 -0.63 -0.80
HUNTLEY___67 23561	15.53 -0.49 -0.72	14.70 -0.65 -0.60	13.95 -0.51 -0.62	14.40 -0.56 -0.53	13.43 -0.58 -0.87	15.20 -0.73 -0.74	20.44 -0.75 -0.45	19.61 -0.95 -1.59	19.74 -1.19 -1.03	18.38 -1.17 -0.41	17.27 -1.07 -0.58	17.31 -1.05 -0.84	17.08 -1.10 -0.92	16.30 -1.11 -1.13	16.32 -1.17 -1.26	16.34 -1.17 -1.30	18.26 -1.24 -1.06	19.11 -1.35 -1.73	20.98 -1.59 -2.22	22.73 -1.62 -1.51	24.35 -1.92 -1.06	22.08 -1.42 -0.90	20.28 -1.29 -0.11	15.96 -0.66 -0.82
HUNTLEY___68 23562	15.53 -0.49 -0.72	14.70 -0.65 -0.60	13.95 -0.51 -0.62	14.40 -0.56 -0.53	13.43 -0.58 -0.87	15.20 -0.73 -0.74	20.44 -0.75 -0.45	19.61 -0.95 -1.59	19.74 -1.19 -1.03	18.38 -1.17 -0.41	17.27 -1.07 -0.58	17.31 -1.05 -0.84	17.08 -1.10 -0.92	16.30 -1.11 -1.13	16.32 -1.17 -1.26	16.34 -1.17 -1.30	18.26 -1.24 -1.06	19.11 -1.35 -1.73	20.98 -1.59 -2.22	22.73 -1.62 -1.51	24.35 -1.92 -1.06	22.08 -1.42 -0.90	20.28 -1.29 -0.11	15.96 -0.66 -0.82
HYLAND___LFGE 323620	16.49 0.38 -0.80	15.64 0.22 -0.67	14.78 0.25 -0.69	15.27 0.25 -0.59	14.26 0.14 -0.98	16.28 0.26 -0.82	21.89 0.64 -0.51	19.70 0.27 -0.47	20.10 -0.12 -0.30	18.89 -0.36 -0.12	17.55 -0.37 -0.17	17.40 -0.37 -0.25	17.10 -0.43 -0.27	16.13 -0.47 -0.33	16.09 -0.50 -0.37	16.15 -0.44 -0.38	18.29 -0.46 -0.31	18.89 -0.36 -0.51	22.68 -0.14 -2.47	24.58 0.07 -1.68	26.51 0.13 -1.17	23.87 0.27 -1.00	21.90 0.32 -0.13	17.10 0.38 -0.91
INDECK___CORINTH 23802	22.29 0.63 -6.36	20.56 0.52 -5.29	19.85 0.50 -5.52	19.66 0.50 -4.72	21.34 0.45 -7.76	22.30 0.58 -6.53	25.75 1.00 -4.02	34.27 0.83 -14.46	30.14 0.88 -9.35	23.49 0.86 -3.49	23.73 0.75 -5.22	25.70 0.75 -7.43	26.13 0.73 -8.14	26.97 0.65 -10.05	27.57 0.16 -11.18	27.77 0.15 -11.42	28.08 0.24 -9.41	34.38 0.28 -15.36	39.78 0.32 -19.11	36.64 0.36 -13.44	35.16 0.55 -9.40	31.07 0.48 -8.00	23.49 1.03 -1.01	23.77 0.65 -7.32
INDECK___ILION 23567	15.32 -0.02 -0.03	14.76 -0.03 -0.03	13.85 -0.01 -0.03	14.43 -0.03 -0.03	13.16 -0.01 -0.04	15.22 -0.02 -0.04	20.72 -0.04 -0.02	18.99 -0.06 -0.08	19.90 -0.06 -0.05	19.09 -0.06 -0.02	17.71 -0.07 -0.03	17.49 -0.07 -0.04	17.26 -0.05 -0.04	16.28 -0.05 -0.05	16.22 -0.06 -0.06	16.20 -0.06 -0.06	18.41 -0.07 -0.05	18.74 -0.07 -0.08	20.37 -0.08 -0.10	22.82 -0.09 -0.07	25.18 -0.08 -0.05	22.60 -0.05 -0.04	21.41 -0.04 -0.01	15.81 -0.03 -0.04
INDECK___OLEAN 23982	15.72 -0.46 -0.88	14.97 -0.52 -0.73	14.19 -0.41 -0.76	14.62 -0.46 -0.65	13.74 -0.47 -1.07	15.55 -0.55 -0.90	20.90 -0.39 -0.56	19.39 -0.09 -0.52	19.89 -0.36 -0.33	18.88 -0.38 -0.13	17.57 -0.37 -0.19	17.43 -0.37 -0.27	17.13 -0.43 -0.30	16.20 -0.44 -0.37	16.13 -0.50 -0.41	16.12 -0.50 -0.42	18.26 -0.52 -0.35	18.74 -0.56 -0.56	22.07 -1.00 -2.72	23.60 -1.07 -1.84	25.26 -1.23 -1.29	22.77 -0.93 -1.09	20.73 -0.86 -0.14	16.38 -0.43 -1.00
INDECK___OSWEGO 23783	15.25 -0.47 -0.42	14.63 -0.47 -0.35	13.76 -0.44 -0.36	14.27 -0.48 -0.31	13.20 -0.45 -0.51	15.13 -0.50 -0.43	20.42 -0.58 -0.27	18.56 -0.64 -0.24	19.31 -0.76 -0.16	18.43 -0.77 -0.06	17.12 -0.73 -0.09	16.95 -0.70 -0.13	16.71 -0.69 -0.14	15.77 -0.67 -0.17	15.73 -0.68 -0.19	15.71 -0.70 -0.20	17.82 -0.77 -0.16	18.21 -0.79 -0.26	20.91 -0.73 -1.30	22.98 -0.75 -0.89	25.05 -0.78 -0.62	22.48 -0.66 -0.53	20.88 -0.64 -0.07	15.82 -0.47 -0.49



INDECK___YERKES 23781	15.47 -0.57 -0.73	14.76 -0.61 -0.61	14.00 -0.47 -0.64	14.46 -0.52 -0.54	13.48 -0.55 -0.89	15.25 -0.70 -0.75	20.52 -0.68 -0.46	18.49 -0.91 -0.43	19.06 -1.13 -0.28	18.13 -1.11 -0.11	16.87 -1.05 -0.16	16.72 -1.03 -0.23	16.43 -1.09 -0.25	15.49 -1.09 -0.31	15.40 -1.17 -0.34	15.39 -1.17 -0.35	17.41 -1.31 -0.29	17.80 -1.41 -0.47	21.07 -1.55 -2.27	22.73 -1.64 -1.54	24.34 -1.94 -1.07	22.07 -1.45 -0.91	20.35 -1.22 -0.12	16.02 -0.62 -0.84
INDIAN POINT_GT_1 24139	21.04 0.93 -4.80	19.63 0.89 -3.99	18.82 0.82 -4.16	18.85 0.85 -3.56	19.78 0.79 -5.85	21.02 0.90 -4.93	25.02 1.24 -3.03	31.21 1.14 -11.11	28.46 1.37 -7.18	23.65 1.36 -3.16	23.20 1.31 -4.13	24.96 1.31 -6.12	25.20 1.30 -6.64	25.68 1.22 -8.19	26.64 1.23 -9.19	26.89 1.23 -9.46	27.55 1.38 -7.74	32.54 1.35 -12.46	37.24 1.48 -15.41	34.64 1.65 -10.16	34.08 1.76 -7.11	30.18 1.54 -6.04	23.63 1.42 -0.76	22.33 1.00 -5.53
INDIAN POINT_GT_2 23659	21.04 0.93 -4.80	19.63 0.89 -3.99	18.82 0.82 -4.16	18.85 0.85 -3.56	19.78 0.79 -5.85	21.02 0.90 -4.93	25.02 1.24 -3.03	31.21 1.14 -11.11	28.46 1.37 -7.18	23.65 1.36 -3.16	23.20 1.31 -4.13	24.96 1.31 -6.12	25.20 1.30 -6.64	25.68 1.22 -8.19	26.64 1.23 -9.19	26.89 1.23 -9.46	27.55 1.38 -7.74	32.54 1.35 -12.46	37.24 1.48 -15.41	34.64 1.65 -10.16	34.08 1.76 -7.11	30.18 1.54 -6.04	23.63 1.42 -0.76	22.33 1.00 -5.53
INDIAN POINT_GT_3 24019	21.04 0.93 -4.80	19.63 0.89 -3.99	18.82 0.82 -4.16	18.85 0.85 -3.56	19.78 0.79 -5.85	21.02 0.90 -4.93	25.02 1.24 -3.03	31.21 1.14 -11.11	28.46 1.37 -7.18	23.65 1.36 -3.16	23.20 1.31 -4.13	24.96 1.31 -6.12	25.20 1.30 -6.64	25.68 1.22 -8.19	26.64 1.23 -9.19	26.89 1.23 -9.46	27.55 1.38 -7.74	32.54 1.35 -12.46	37.24 1.48 -15.41	34.64 1.65 -10.16	34.08 1.76 -7.11	30.18 1.54 -6.04	23.63 1.42 -0.76	22.33 1.00 -5.53
INDIAN POINT___2 23530	20.97 0.93 -4.73	19.57 0.89 -3.93	18.77 0.83 -4.10	18.79 0.85 -3.51	19.69 0.79 -5.77	20.95 0.90 -4.85	24.99 1.27 -2.99	31.08 1.16 -10.95	28.36 1.37 -7.08	23.62 1.38 -3.11	23.14 1.31 -4.07	24.87 1.31 -6.03	25.11 1.30 -6.55	25.56 1.22 -8.07	26.51 1.23 -9.06	26.78 1.25 -9.32	27.44 1.38 -7.63	32.38 1.37 -12.28	37.01 1.48 -15.18	34.49 1.65 -10.01	33.97 1.76 -7.00	30.12 1.56 -5.96	23.64 1.44 -0.75	22.27 1.01 -5.45
INDIAN POINT___3 23531	20.99 0.89 -4.80	19.63 0.89 -3.99	18.82 0.82 -4.16	18.83 0.84 -3.56	19.76 0.77 -5.85	21.00 0.88 -4.92	25.01 1.24 -3.03	30.73 1.14 -10.63	28.16 1.37 -6.87	23.53 1.36 -3.04	23.01 1.30 -3.96	24.70 1.30 -5.88	24.90 1.26 -6.38	25.33 1.20 -7.86	26.25 1.20 -8.82	26.49 1.20 -9.08	27.19 1.33 -7.43	31.98 1.29 -11.95	37.23 1.44 -15.44	34.57 1.60 -10.14	33.99 1.69 -7.09	30.13 1.49 -6.03	23.63 1.42 -0.76	22.34 1.01 -5.52
INGHAM_C_115KV_TB7 356103	15.21 -0.12 -0.03	14.67 -0.12 -0.03	13.77 -0.10 -0.03	14.36 -0.10 -0.03	13.09 -0.09 -0.04	15.16 -0.08 -0.04	20.57 -0.19 -0.02	18.84 -0.21 -0.08	19.76 -0.20 -0.05	18.96 -0.19 -0.02	17.57 -0.21 -0.03	17.35 -0.21 -0.04	17.10 -0.21 -0.04	16.14 -0.18 -0.05	16.09 -0.19 -0.06	16.06 -0.21 -0.06	18.25 -0.24 -0.05	18.58 -0.24 -0.08	20.19 -0.26 -0.10	22.59 -0.32 -0.07	24.93 -0.33 -0.05	22.42 -0.23 -0.04	21.26 -0.19 -0.01	15.70 -0.14 -0.04
IP CORINTH___1 23988	22.20 0.55 -6.35	20.55 0.52 -5.28	19.84 0.50 -5.51	19.65 0.51 -4.71	21.32 0.45 -7.74	22.29 0.58 -6.51	25.74 1.00 -4.01	33.86 0.83 -14.05	29.87 0.88 -9.09	23.43 0.86 -3.43	23.59 0.75 -5.09	25.53 0.75 -7.25	25.93 0.73 -7.94	26.73 0.65 -9.80	27.77 0.63 -10.92	27.98 0.62 -11.16	28.39 0.77 -9.18	34.58 0.86 -14.99	40.47 0.96 -19.17	37.32 1.07 -13.41	35.92 1.34 -9.38	31.73 1.15 -7.98	23.49 1.03 -1.01	23.76 0.65 -7.30
IP___TICONDEROGA 23804	22.85 1.21 -6.34	21.15 1.12 -5.27	20.43 1.09 -5.50	20.26 1.13 -4.70	21.85 0.99 -7.73	22.95 1.25 -6.50	26.75 2.01 -4.00	34.71 1.71 -14.03	30.64 1.65 -9.07	24.20 1.65 -3.42	24.25 1.42 -5.08	26.23 1.47 -7.24	26.50 1.31 -7.92	27.21 1.16 -9.78	28.23 1.12 -10.89	28.44 1.10 -11.13	28.96 1.36 -9.16	35.23 1.54 -14.95	41.14 1.67 -19.12	38.15 1.92 -13.39	37.10 2.52 -9.37	32.76 2.19 -7.97	24.43 1.97 -1.01	24.43 1.33 -7.29
ISLIP_RES_REC 323679	25.00 1.67 -8.03	22.57 1.51 -6.31	19.44 1.40 -4.21	20.14 1.44 -4.27	20.37 1.31 -5.92	24.47 1.52 -7.75	30.14 2.26 -7.14	32.18 1.99 -11.22	31.57 2.35 -9.31	27.03 2.24 -5.66	27.29 2.02 -7.51	27.28 2.01 -7.74	26.84 1.98 -7.59	27.14 1.87 -9.00	27.34 1.83 -9.29	27.78 1.85 -9.72	28.66 2.12 -8.10	33.80 2.08 -12.99	38.89 2.28 -16.27	38.49 2.56 -13.09	43.24 2.62 -15.41	35.01 2.46 -9.94	26.82 2.34 -3.03	22.99 1.60 -5.59
JAMAICA__27_KV_LOAD 355505	21.21 1.06 -4.85	19.82 1.03 -4.03	19.00 0.95 -4.20	19.00 0.97 -3.60	19.94 0.89 -5.91	21.21 1.03 -4.97	25.27 1.47 -3.06	31.06 1.37 -10.73	28.54 1.69 -6.94	23.93 1.72 -3.08	23.32 1.56 -4.00	25.02 1.56 -5.94	25.24 1.54 -6.44	25.67 1.46 -7.94	26.61 1.48 -8.91	26.83 1.44 -9.18	27.51 1.57 -7.50	32.27 1.46 -12.07	37.61 1.67 -15.59	34.93 1.85 -10.24	34.34 1.97 -7.16	30.48 1.79 -6.09	24.02 1.80 -0.77	22.61 1.23 -5.58
JANIS___SOLAR 323808	18.71 1.59 -1.81	17.90 1.64 -1.51	16.92 1.51 -1.57	17.35 1.57 -1.35	16.83 1.48 -2.21	18.91 1.85 -1.86	24.48 2.59 -1.15	24.23 2.05 -3.21	23.36 1.37 -2.07	20.83 0.86 -0.83	19.39 0.46 -1.17	19.67 0.45 -1.70	19.67 0.55 -1.85	19.06 0.50 -2.29	19.15 0.37 -2.55	19.28 0.45 -2.62	21.38 0.79 -2.15	23.39 1.16 -3.49	27.84 1.89 -5.60	26.13 0.85 -2.44	28.03 1.11 -1.71	25.03 0.97 -1.45	22.43 0.79 -0.18	17.70 0.57 -1.33
JARVIS____ 23743	15.29 -0.02 0.00	14.74 -0.01 0.00	13.82 -0.01 0.00	14.40 -0.03 0.00	13.11 -0.03 0.00	15.18 -0.02 0.00	20.74 0.00 0.00	18.97 0.00 0.00	19.91 0.00 0.00	19.11 -0.02 0.00	17.74 -0.02 0.00	17.50 -0.02 0.00	17.25 -0.02 0.00	16.25 -0.02 0.00	16.21 -0.02 0.00	16.19 -0.02 0.00	18.42 -0.02 0.00	18.70 -0.04 0.00	20.33 -0.02 0.00	22.84 0.00 0.00	25.21 0.00 0.00	22.63 0.02 0.00	21.45 0.00 0.00	15.79 -0.02 0.00
JENNISON___1 23625	18.08 0.90 -1.88	17.13 0.81 -1.56	16.23 0.76 -1.63	16.60 0.78 -1.39	16.15 0.72 -2.29	18.02 0.90 -1.93	23.27 1.35 -1.19	24.20 1.08 -4.15	23.41 0.82 -2.68	20.88 0.65 -1.10	19.74 0.46 -1.53	20.22 0.47 -2.22	20.19 0.50 -2.42	19.73 0.47 -2.98	19.95 0.39 -3.34	20.03 0.41 -3.42	21.81 0.57 -2.81	23.96 0.67 -4.55	27.21 1.02 -5.85	27.78 0.98 -3.96	29.24 1.26 -2.77	26.05 1.08 -2.36	22.67 0.92 -0.30	18.63 0.66 -2.16
JENNISON___2 23626	18.08 0.90 -1.88	17.13 0.81 -1.56	16.23 0.76 -1.63	16.60 0.78 -1.39	16.15 0.72 -2.29	18.02 0.90 -1.93	23.27 1.35 -1.19	24.20 1.08 -4.15	23.41 0.82 -2.68	20.88 0.65 -1.10	19.74 0.46 -1.53	20.22 0.47 -2.22	20.19 0.50 -2.42	19.73 0.47 -2.98	19.95 0.39 -3.34	20.03 0.41 -3.42	21.81 0.57 -2.81	23.96 0.67 -4.55	27.21 1.02 -5.85	27.78 0.98 -3.96	29.24 1.26 -2.77	26.05 1.08 -2.36	22.67 0.92 -0.30	18.63 0.66 -2.16

JERICO_RISE_WT_PWR 323719	15.35 0.05 0.00	14.82 0.06 0.00	13.86 0.03 0.00	14.53 0.10 0.00	13.24 0.10 0.00	15.35 0.15 0.00	20.95 0.21 0.00	19.25 0.28 0.00	20.09 0.18 0.00	19.38 0.25 0.00	17.99 0.23 0.00	17.71 0.19 0.00	17.42 0.16 0.00	16.43 0.16 0.00	16.40 0.18 0.00	16.38 0.18 0.00	18.66 0.22 0.00	19.06 0.32 0.00	20.65 0.31 0.00	23.18 0.34 0.00	25.49 0.28 0.00	22.69 0.09 0.00	21.49 0.04 0.00	15.82 0.02 0.00
KATONAH__115KV_46KV_TB4 355592	21.12 0.92 -4.90	19.73 0.90 -4.08	18.93 0.84 -4.25	18.98 0.91 -3.64	19.94 0.83 -5.98	21.17 0.94 -5.03	25.14 1.31 -3.10	30.96 1.14 -10.85	28.34 1.41 -7.02	23.58 1.34 -3.10	23.13 1.33 -4.04	24.87 1.35 -6.00	25.10 1.33 -6.51	25.56 1.27 -8.02	26.46 1.23 -9.01	26.71 1.23 -9.27	27.42 1.40 -7.58	32.31 1.37 -12.20	37.65 1.55 -15.76	34.91 1.71 -10.35	34.22 1.76 -7.24	30.32 1.56 -6.16	23.67 1.44 -0.78	22.47 1.03 -5.64
KCE_NY_1 323755	22.37 0.73 -6.34	20.67 0.65 -5.27	19.94 0.61 -5.50	19.77 0.63 -4.70	21.43 0.56 -7.73	22.38 0.68 -6.50	25.80 1.06 -4.00	34.29 0.91 -14.41	30.20 0.98 -9.32	23.53 0.94 -3.47	23.79 0.83 -5.20	25.75 0.84 -7.39	26.17 0.81 -8.09	27.02 0.75 -10.00	27.96 0.62 -11.12	28.17 0.60 -11.36	28.53 0.74 -9.36	34.83 0.81 -15.29	40.22 0.87 -19.00	37.21 0.98 -13.39	35.73 1.16 -9.36	31.61 1.04 -7.96	23.57 1.11 -1.01	23.82 0.73 -7.29
KCE_NY_6_ESR 323823	15.60 -0.47 -0.78	14.87 -0.53 -0.65	14.11 -0.40 -0.67	14.56 -0.45 -0.58	13.61 -0.47 -0.95	15.39 -0.61 -0.80	20.71 -0.52 -0.49	18.80 -0.63 -0.45	19.35 -0.86 -0.29	18.41 -0.84 -0.12	17.14 -0.78 -0.17	16.99 -0.77 -0.24	16.68 -0.85 -0.26	15.75 -0.85 -0.32	15.66 -0.92 -0.36	15.65 -0.92 -0.37	17.71 -1.03 -0.30	18.09 -1.14 -0.49	21.42 -1.32 -2.40	23.04 -1.42 -1.62	24.66 -1.69 -1.14	22.33 -1.24 -0.97	20.52 -1.05 -0.12	16.18 -0.51 -0.88
KEDC_PORT_JEFF_GT2 24210	24.89 1.56 -8.03	22.50 1.43 -6.31	19.39 1.34 -4.21	20.07 1.37 -4.27	20.32 1.26 -5.92	24.39 1.44 -7.75	29.99 2.12 -7.14	32.05 1.86 -11.22	31.43 2.21 -9.31	26.88 2.09 -5.66	27.17 1.90 -7.51	27.18 1.91 -7.74	26.74 1.88 -7.59	27.03 1.76 -9.00	27.23 1.72 -9.29	27.66 1.73 -9.72	28.53 1.99 -8.10	33.67 1.95 -12.99	38.75 2.14 -16.27	38.33 2.40 -13.09	42.99 2.37 -15.41	34.85 2.31 -9.94	26.69 2.21 -3.03	22.90 1.50 -5.59
KEDC_PORT_JEFF_GT3 24211	24.89 1.56 -8.03	22.50 1.43 -6.31	19.39 1.34 -4.21	20.07 1.37 -4.27	20.32 1.26 -5.92	24.39 1.44 -7.75	29.99 2.12 -7.14	32.05 1.86 -11.22	31.43 2.21 -9.31	26.88 2.09 -5.66	27.17 1.90 -7.51	27.18 1.91 -7.74	26.74 1.88 -7.59	27.03 1.76 -9.00	27.23 1.72 -9.29	27.66 1.73 -9.72	28.53 1.99 -8.10	33.67 1.95 -12.99	38.75 2.14 -16.27	38.33 2.40 -13.09	42.99 2.37 -15.41	34.85 2.31 -9.94	26.69 2.21 -3.03	22.90 1.50 -5.59
KEDC_GLWD_GT4 24219	24.57 1.24 -8.03	22.22 1.15 -6.31	19.13 1.08 -4.21	19.81 1.11 -4.27	20.07 1.01 -5.92	24.10 1.15 -7.75	29.52 1.64 -7.14	31.67 1.48 -11.22	30.97 1.75 -9.31	26.53 1.74 -5.66	26.94 1.67 -7.51	26.91 1.65 -7.74	26.48 1.62 -7.59	26.80 1.53 -9.00	27.05 1.54 -9.29	27.48 1.56 -9.72	28.25 1.71 -8.10	33.41 1.69 -12.99	38.47 1.85 -16.27	37.98 2.06 -13.09	42.84 2.22 -15.41	34.51 1.97 -9.94	26.32 1.85 -3.03	22.69 1.30 -5.59
KEDC_GLWD_GT5 24220	24.57 1.24 -8.03	22.22 1.15 -6.31	19.13 1.08 -4.21	19.81 1.11 -4.27	20.07 1.01 -5.92	24.10 1.15 -7.75	29.52 1.64 -7.14	31.67 1.48 -11.22	30.97 1.75 -9.31	26.53 1.74 -5.66	26.94 1.67 -7.51	26.91 1.65 -7.74	26.48 1.62 -7.59	26.80 1.53 -9.00	27.05 1.54 -9.29	27.48 1.56 -9.72	28.25 1.71 -8.10	33.41 1.69 -12.99	38.47 1.85 -16.27	37.98 2.06 -13.09	42.84 2.22 -15.41	34.51 1.97 -9.94	26.32 1.85 -3.03	22.69 1.30 -5.59
KENSICO____ 23655	21.07 0.93 -4.84	19.69 0.91 -4.02	18.89 0.86 -4.20	18.90 0.88 -3.59	19.85 0.81 -5.90	21.09 0.93 -4.96	25.10 1.31 -3.06	30.87 1.20 -10.71	28.25 1.41 -6.92	23.62 1.42 -3.07	23.12 1.37 -3.99	24.82 1.37 -5.93	25.02 1.33 -6.43	25.46 1.27 -7.92	26.37 1.25 -8.89	26.61 1.25 -9.16	27.31 1.38 -7.49	32.13 1.35 -12.05	37.42 1.51 -15.56	34.72 1.67 -10.22	34.12 1.76 -7.15	30.24 1.56 -6.08	23.70 1.48 -0.77	22.43 1.06 -5.57
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	20.31 0.95 -4.06	19.08 0.94 -3.37	18.22 0.86 -3.52	18.25 0.81 -3.01	18.97 0.88 -4.95	20.37 1.00 -4.16	24.63 1.33 -2.56	29.19 1.23 -8.99	27.13 1.41 -5.81	23.04 1.42 -2.49	22.34 1.26 -3.33	23.63 1.21 -4.90	23.79 1.21 -5.32	23.99 1.16 -6.56	24.71 1.14 -7.35	24.98 1.22 -7.56	25.99 1.36 -6.19	30.05 1.33 -9.99	34.77 1.55 -12.87	33.08 1.67 -8.57	33.05 1.84 -6.00	29.29 1.58 -5.10	23.56 1.46 -0.65	21.50 1.03 -4.67
KIAC_JFK_GT1 23816	21.18 1.03 -4.85	19.75 0.96 -4.04	18.93 0.89 -4.21	18.93 0.90 -3.60	19.88 0.83 -5.92	21.14 0.96 -4.98	25.17 1.37 -3.07	31.40 1.22 -11.22	28.76 1.59 -7.25	23.97 1.65 -3.19	23.42 1.49 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.76 1.51 -7.82	32.78 1.46 -12.59	37.46 1.53 -15.58	34.80 1.69 -10.27	34.21 1.82 -7.18	30.43 1.72 -6.11	23.92 1.69 -0.77	22.57 1.17 -5.59
KIAC_JFK_GT2 23817	21.18 1.03 -4.85	19.75 0.96 -4.04	18.93 0.89 -4.21	18.93 0.90 -3.60	19.88 0.83 -5.92	21.14 0.96 -4.98	25.17 1.37 -3.07	31.40 1.22 -11.22	28.76 1.59 -7.25	23.97 1.65 -3.19	23.42 1.49 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.76 1.51 -7.82	32.78 1.46 -12.59	37.46 1.53 -15.58	34.80 1.69 -10.27	34.21 1.82 -7.18	30.43 1.72 -6.11	23.92 1.69 -0.77	22.57 1.17 -5.59
KIAC_JFK____ 323774	21.18 1.03 -4.85	19.75 0.96 -4.04	18.93 0.89 -4.21	18.93 0.90 -3.60	19.88 0.83 -5.92	21.14 0.96 -4.98	25.17 1.37 -3.07	31.40 1.22 -11.22	28.76 1.59 -7.25	23.97 1.65 -3.19	23.42 1.49 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.76 1.51 -7.82	32.78 1.46 -12.59	37.46 1.53 -15.58	34.80 1.69 -10.27	34.21 1.82 -7.18	30.43 1.72 -6.11	23.92 1.69 -0.77	22.57 1.17 -5.59
KINTIGH____ 23543	15.52 -0.43 -0.64	14.71 -0.58 -0.53	13.94 -0.46 -0.56	14.40 -0.51 -0.48	13.41 -0.51 -0.78	15.22 -0.64 -0.66	20.48 -0.66 -0.41	19.40 -0.99 -1.42	19.64 -1.19 -0.92	18.32 -1.19 -0.37	17.19 -1.08 -0.52	17.21 -1.07 -0.75	17.00 -1.09 -0.82	16.21 -1.07 -1.01	16.24 -1.12 -1.13	16.25 -1.12 -1.16	18.19 -1.20 -0.95	18.97 -1.31 -1.55	20.97 -1.36 -1.99	22.80 -1.39 -1.36	24.52 -1.64 -0.95	22.17 -1.24 -0.81	20.42 -1.14 -0.10	15.96 -0.58 -0.74
KNTFSRNC_46_KV_46KV_LOAD 80397	15.67 0.34 -0.03	15.15 0.37 -0.02	14.15 0.29 -0.03	14.86 0.40 -0.02	13.57 0.39 -0.04	15.76 0.53 -0.03	21.57 0.81 -0.02	19.87 0.83 -0.07	20.67 0.72 -0.04	19.95 0.80 -0.02	18.49 0.71 -0.02	18.20 0.65 -0.03	17.89 0.59 -0.04	16.89 0.57 -0.05	16.87 0.60 -0.05	16.88 0.62 -0.05	19.23 0.76 -0.04	19.71 0.90 -0.07	21.39 0.96 -0.09	24.00 1.10 -0.06	26.29 1.03 -0.04	23.36 0.72 -0.04	22.06 0.60 0.00	16.20 0.36 -0.03

LACHUTE___HYDRO 323717	22.92 1.27 -6.35	21.16 1.12 -5.28	20.44 1.09 -5.51	20.27 1.13 -4.71	21.87 0.99 -7.74	22.96 1.25 -6.52	26.74 1.99 -4.01	35.12 1.71 -14.44	30.90 1.65 -9.34	24.26 1.65 -3.48	24.39 1.42 -5.21	26.41 1.47 -7.41	26.70 1.31 -8.12	27.45 1.16 -10.03	28.14 0.76 -11.16	28.35 0.75 -11.40	28.78 0.96 -9.39	35.17 1.11 -15.33	40.65 1.24 -19.06	37.65 1.39 -13.42	36.54 1.94 -9.39	32.26 1.67 -7.98	24.43 1.97 -1.01	24.44 1.33 -7.31
LAWRNCV_115KV_TB1 80681	15.00 -0.37 -0.06	14.51 -0.30 -0.05	13.57 -0.32 -0.05	14.20 -0.27 -0.05	12.98 -0.24 -0.08	14.99 -0.27 -0.06	20.14 -0.64 -0.04	18.61 -0.49 -0.14	19.35 -0.66 -0.09	18.59 -0.57 -0.04	17.26 -0.55 -0.05	17.05 -0.54 -0.07	16.78 -0.57 -0.08	15.87 -0.50 -0.10	15.88 -0.45 -0.11	15.88 -0.44 -0.11	17.92 -0.61 -0.09	18.33 -0.56 -0.15	19.95 -0.59 -0.20	22.26 -0.71 -0.13	24.49 -0.81 -0.09	21.85 -0.84 -0.08	20.65 -0.82 -0.01	15.37 -0.51 -0.07
LEDERLE___ 23769	20.92 0.95 -4.67	19.57 0.93 -3.88	18.75 0.86 -4.05	18.78 0.88 -3.47	19.67 0.84 -5.70	20.95 0.96 -4.79	25.04 1.35 -2.95	30.54 1.23 -10.34	28.07 1.47 -6.68	23.52 1.43 -2.95	22.99 1.39 -3.85	24.59 1.35 -5.71	24.79 1.33 -6.20	25.18 1.27 -7.64	26.05 1.25 -8.58	26.32 1.28 -8.83	27.07 1.42 -7.22	31.76 1.41 -11.62	36.90 1.55 -15.01	34.41 1.71 -9.86	33.95 1.84 -6.90	30.08 1.60 -5.87	23.70 1.50 -0.74	22.25 1.07 -5.37
LIGHTHSE_115KV_TB6 355974	15.33 -0.34 -0.36	14.67 -0.38 -0.30	13.80 -0.35 -0.31	14.32 -0.38 -0.27	13.23 -0.34 -0.44	15.17 -0.40 -0.37	20.53 -0.44 -0.23	19.22 -0.55 -0.80	19.73 -0.70 -0.52	18.62 -0.73 -0.21	17.36 -0.69 -0.29	17.30 -0.65 -0.43	17.09 -0.64 -0.47	16.24 -0.60 -0.57	16.25 -0.62 -0.64	16.23 -0.63 -0.66	18.27 -0.70 -0.54	18.92 -0.69 -0.87	20.84 -0.63 -1.12	23.03 -0.57 -0.76	25.29 -0.45 -0.53	22.65 -0.41 -0.45	21.04 -0.47 -0.06	15.86 -0.36 -0.42
LINDEN COGEN___ 23786	21.18 1.03 -4.85	19.78 0.99 -4.04	18.97 0.93 -4.21	18.98 0.95 -3.60	19.91 0.85 -5.92	21.14 0.96 -4.98	25.09 1.29 -3.07	31.42 1.23 -11.22	28.66 1.49 -7.25	23.89 1.57 -3.19	23.42 1.49 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.91 1.37 -8.27	26.87 1.36 -9.28	27.12 1.36 -9.56	27.73 1.48 -7.82	32.75 1.42 -12.59	37.47 1.55 -15.58	34.80 1.69 -10.27	34.23 1.84 -7.18	30.36 1.65 -6.11	23.77 1.55 -0.77	22.50 1.11 -5.59
LINDHRST_69_KV_BK1 356055	24.71 1.39 -8.02	22.46 1.40 -6.31	19.34 1.30 -4.20	20.04 1.34 -4.26	20.27 1.22 -5.91	24.35 1.41 -7.74	29.89 2.01 -7.14	31.47 1.76 -10.73	31.01 2.11 -8.99	26.73 2.05 -5.55	26.98 1.88 -7.34	26.88 1.86 -7.50	26.42 1.83 -7.32	26.66 1.72 -8.66	26.82 1.69 -8.91	27.25 1.70 -9.34	28.12 1.90 -7.79	33.09 1.87 -12.48	38.68 2.05 -16.28	38.21 2.31 -13.06	43.04 2.45 -15.39	34.74 2.22 -9.93	26.66 2.19 -3.02	22.95 1.56 -5.58
LIPA_MISC_IPP 23656	24.68 1.36 -8.02	22.46 1.40 -6.31	19.36 1.31 -4.20	20.05 1.36 -4.26	20.28 1.23 -5.91	24.35 1.41 -7.74	29.93 2.05 -7.14	31.48 1.78 -10.73	31.03 2.13 -8.99	26.67 1.99 -5.55	26.89 1.79 -7.34	26.81 1.79 -7.50	26.35 1.76 -7.32	26.59 1.66 -8.66	26.71 1.57 -8.91	27.15 1.60 -9.34	28.09 1.86 -7.79	33.01 1.80 -12.48	38.60 1.97 -16.28	38.16 2.26 -13.06	42.84 2.24 -15.39	34.70 2.17 -9.93	26.58 2.10 -3.02	22.88 1.50 -5.58
LISF___SOLAR 323691	24.86 1.53 -8.03	22.50 1.43 -6.31	19.39 1.34 -4.21	20.07 1.37 -4.27	20.32 1.26 -5.92	24.39 1.44 -7.75	29.95 2.07 -7.14	32.01 1.82 -11.22	31.39 2.17 -9.31	26.78 1.99 -5.66	27.08 1.81 -7.51	27.07 1.81 -7.74	26.64 1.78 -7.59	26.95 1.68 -9.00	27.15 1.64 -9.29	27.58 1.65 -9.72	28.45 1.92 -8.10	33.58 1.86 -12.99	38.63 2.01 -16.27	38.23 2.31 -13.09	42.94 2.32 -15.41	34.78 2.24 -9.94	26.60 2.12 -3.03	22.82 1.42 -5.59
LITTLE FALLS___HYD 24013	15.21 -0.12 -0.03	14.67 -0.12 -0.03	13.77 -0.10 -0.03	14.36 -0.10 -0.03	13.09 -0.09 -0.04	15.16 -0.08 -0.04	20.57 -0.19 -0.02	18.84 -0.21 -0.08	19.76 -0.20 -0.05	18.96 -0.19 -0.02	17.57 -0.21 -0.03	17.35 -0.21 -0.04	17.10 -0.21 -0.04	16.14 -0.18 -0.05	16.09 -0.19 -0.06	16.06 -0.21 -0.06	18.25 -0.24 -0.05	18.58 -0.24 -0.08	20.19 -0.26 -0.10	22.59 -0.32 -0.07	24.93 -0.33 -0.05	22.42 -0.23 -0.04	21.26 -0.19 -0.01	15.70 -0.14 -0.04
LITTLRIV_115KV_TB1 356100	15.12 -0.24 -0.07	14.62 -0.19 -0.06	13.67 -0.22 -0.06	14.32 -0.16 -0.05	13.09 -0.13 -0.08	15.13 -0.14 -0.07	20.30 -0.48 -0.04	18.76 -0.36 -0.15	19.45 -0.56 -0.10	18.71 -0.46 -0.04	17.35 -0.46 -0.05	17.13 -0.47 -0.08	16.87 -0.48 -0.09	15.95 -0.42 -0.11	15.95 -0.39 -0.12	15.95 -0.37 -0.12	18.00 -0.53 -0.10	18.43 -0.47 -0.16	20.09 -0.47 -0.21	22.41 -0.57 -0.14	24.70 -0.61 -0.10	21.99 -0.70 -0.08	20.75 -0.71 -0.01	15.45 -0.43 -0.08
LI_NEWBRDGE___DRP 323616	24.50 1.18 -8.02	22.24 1.18 -6.31	19.15 1.11 -4.20	19.84 1.14 -4.26	20.09 1.04 -5.91	24.13 1.19 -7.74	29.55 1.68 -7.14	31.18 1.48 -10.73	30.69 1.79 -8.99	26.44 1.76 -5.55	26.73 1.63 -7.34	26.65 1.63 -7.50	26.18 1.59 -7.32	26.43 1.50 -8.66	26.61 1.48 -8.91	27.02 1.47 -9.34	27.86 1.64 -7.79	32.81 1.59 -12.48	38.40 1.77 -16.28	37.86 1.96 -13.06	42.66 2.07 -15.39	34.40 1.88 -9.93	26.34 1.87 -3.02	22.71 1.33 -5.58
LOCKPORT_115KV_TB60_63_64 80432	15.40 -0.57 -0.67	14.59 -0.72 -0.56	13.84 -0.58 -0.58	14.29 -0.64 -0.50	13.31 -0.64 -0.81	15.08 -0.81 -0.69	20.27 -0.89 -0.42	19.33 -1.12 -1.48	19.49 -1.37 -0.96	18.18 -1.34 -0.39	17.06 -1.24 -0.54	17.08 -1.23 -0.78	16.86 -1.26 -0.86	16.06 -1.27 -1.06	16.07 -1.33 -1.18	16.10 -1.31 -1.21	18.01 -1.42 -0.99	18.83 -1.52 -1.61	20.66 -1.75 -2.07	22.47 -1.78 -1.41	24.10 -2.09 -0.99	21.84 -1.60 -0.84	20.12 -1.44 -0.11	15.81 -0.76 -0.77
LOCKPORT___CC1 323769	15.36 -0.66 -0.71	14.64 -0.71 -0.59	13.89 -0.57 -0.62	14.34 -0.62 -0.53	13.37 -0.63 -0.87	15.14 -0.79 -0.73	20.34 -0.85 -0.45	18.28 -1.10 -0.42	18.83 -1.35 -0.27	17.92 -1.32 -0.11	16.68 -1.23 -0.15	16.53 -1.21 -0.22	16.26 -1.24 -0.24	15.31 -1.25 -0.30	15.24 -1.31 -0.33	15.23 -1.31 -0.34	17.24 -1.48 -0.28	17.61 -1.57 -0.45	20.85 -1.69 -2.19	22.50 -1.83 -1.49	24.08 -2.17 -1.04	21.84 -1.65 -0.89	20.15 -1.42 -0.11	15.87 -0.74 -0.81
LOCKPORT___CC2 323770	15.36 -0.66 -0.71	14.64 -0.71 -0.59	13.89 -0.57 -0.62	14.34 -0.62 -0.53	13.37 -0.63 -0.87	15.14 -0.79 -0.73	20.34 -0.85 -0.45	18.28 -1.10 -0.42	18.83 -1.35 -0.27	17.92 -1.32 -0.11	16.68 -1.23 -0.15	16.53 -1.21 -0.22	16.26 -1.24 -0.24	15.31 -1.25 -0.30	15.24 -1.31 -0.33	15.23 -1.31 -0.34	17.24 -1.48 -0.28	17.61 -1.57 -0.45	20.85 -1.69 -2.19	22.50 -1.83 -1.49	24.08 -2.17 -1.04	21.84 -1.65 -0.89	20.15 -1.42 -0.11	15.87 -0.74 -0.81
LOCKPORT___CC3 323771	15.36 -0.66 -0.71	14.64 -0.71 -0.59	13.89 -0.57 -0.62	14.34 -0.62 -0.53	13.37 -0.63 -0.87	15.14 -0.79 -0.73	20.34 -0.85 -0.45	18.28 -1.10 -0.42	18.83 -1.35 -0.27	17.92 -1.32 -0.11	16.68 -1.23 -0.15	16.53 -1.21 -0.22	16.26 -1.24 -0.24	15.31 -1.25 -0.30	15.24 -1.31 -0.33	15.23 -1.31 -0.34	17.24 -1.48 -0.28	17.61 -1.57 -0.45	20.85 -1.69 -2.19	22.50 -1.83 -1.49	24.08 -2.17 -1.04	21.84 -1.65 -0.89	20.15 -1.42 -0.11	15.87 -0.74 -0.81

LONG_LAKE_PHOENIX 24014	15.32 -0.40 -0.41	14.67 -0.43 -0.34	13.81 -0.39 -0.36	14.30 -0.43 -0.30	13.23 -0.41 -0.50	15.18 -0.44 -0.42	20.52 -0.48 -0.26	19.33 -0.55 -0.91	19.84 -0.66 -0.59	18.68 -0.69 -0.24	17.43 -0.66 -0.33	17.38 -0.63 -0.49	17.19 -0.60 -0.53	16.34 -0.59 -0.65	16.35 -0.60 -0.73	16.34 -0.62 -0.75	18.40 -0.65 -0.61	19.06 -0.67 -1.00	21.00 -0.63 -1.28	23.09 -0.62 -0.87	25.16 -0.66 -0.61	22.60 -0.52 -0.52	20.96 -0.56 -0.07	15.87 -0.41 -0.47
LOVETT___3 23632	20.90 0.90 -4.69	19.54 0.89 -3.90	18.72 0.82 -4.07	18.75 0.84 -3.48	19.65 0.79 -5.72	20.91 0.90 -4.82	24.97 1.27 -2.96	30.52 1.16 -10.39	28.00 1.37 -6.72	23.46 1.36 -2.97	22.94 1.31 -3.87	24.56 1.30 -5.74	24.77 1.28 -6.23	25.15 1.20 -7.68	26.04 1.20 -8.62	26.28 1.20 -8.87	27.04 1.35 -7.26	31.73 1.31 -11.68	36.87 1.44 -15.08	34.35 1.60 -9.91	33.86 1.71 -6.93	29.99 1.49 -5.90	23.61 1.42 -0.75	22.22 1.01 -5.40
LOVETT___4 23642	20.90 0.90 -4.69	19.54 0.89 -3.90	18.72 0.82 -4.07	18.75 0.84 -3.48	19.65 0.79 -5.72	20.91 0.90 -4.82	24.97 1.27 -2.96	30.52 1.16 -10.39	28.00 1.37 -6.72	23.46 1.36 -2.97	22.94 1.31 -3.87	24.56 1.30 -5.74	24.77 1.28 -6.23	25.15 1.20 -7.68	26.04 1.20 -8.62	26.28 1.20 -8.87	27.04 1.35 -7.26	31.73 1.31 -11.68	36.87 1.44 -15.08	34.35 1.60 -9.91	33.86 1.71 -6.93	29.99 1.49 -5.90	23.61 1.42 -0.75	22.22 1.01 -5.40
LOVETT___5 23593	20.90 0.90 -4.69	19.54 0.89 -3.90	18.72 0.82 -4.07	18.75 0.84 -3.48	19.65 0.79 -5.72	20.91 0.90 -4.82	24.97 1.27 -2.96	30.52 1.16 -10.39	28.00 1.37 -6.72	23.46 1.36 -2.97	22.94 1.31 -3.87	24.56 1.30 -5.74	24.77 1.28 -6.23	25.15 1.20 -7.68	26.04 1.20 -8.62	26.28 1.20 -8.87	27.04 1.35 -7.26	31.73 1.31 -11.68	36.87 1.44 -15.08	34.35 1.60 -9.91	33.86 1.71 -6.93	29.99 1.49 -5.90	23.61 1.42 -0.75	22.22 1.01 -5.40
LOWER_RAQUET___HYD 24057	14.81 -0.49 0.00	14.34 -0.41 0.00	13.42 -0.41 0.00	14.06 -0.38 0.00	12.81 -0.33 0.00	14.83 -0.36 0.00	19.97 -0.77 0.00	18.36 -0.61 0.00	19.12 -0.80 0.00	18.44 -0.69 0.00	17.08 -0.67 0.00	16.86 -0.67 0.00	16.57 -0.69 0.00	15.67 -0.60 0.00	15.62 -0.60 0.00	15.61 -0.60 0.00	17.70 -0.74 0.00	18.06 -0.67 0.00	19.59 -0.75 0.00	21.99 -0.84 0.00	24.28 -0.93 0.00	21.63 -0.97 0.00	20.49 -0.96 0.00	15.19 -0.62 0.00
LOWER___HUDSON 24059	22.02 0.54 -6.18	20.38 0.49 -5.14	19.67 0.47 -5.36	19.51 0.49 -4.59	21.11 0.43 -7.54	22.06 0.52 -6.34	25.39 0.75 -3.91	33.68 0.63 -14.08	29.75 0.74 -9.11	23.11 0.67 -3.31	23.42 0.60 -5.06	25.27 0.60 -7.15	25.70 0.59 -7.85	26.52 0.55 -9.69	27.52 0.52 -10.77	27.70 0.50 -10.99	28.12 0.63 -9.06	34.21 0.64 -14.83	39.44 0.71 -18.38	36.73 0.82 -13.07	35.26 0.91 -9.14	31.21 0.84 -7.77	23.27 0.84 -0.98	23.43 0.51 -7.12
LOWVILLE_115KV_TB2 356335	15.32 -0.15 -0.17	14.74 -0.16 -0.14	13.82 -0.17 -0.15	14.38 -0.17 -0.13	13.20 -0.14 -0.21	15.27 -0.11 -0.17	20.72 -0.12 -0.11	19.19 -0.15 -0.38	19.84 -0.32 -0.24	18.87 -0.36 -0.10	17.49 -0.41 -0.14	17.34 -0.39 -0.20	17.10 -0.38 -0.22	16.21 -0.33 -0.27	16.17 -0.36 -0.30	16.18 -0.34 -0.31	18.32 -0.37 -0.25	18.85 -0.30 -0.41	20.67 -0.20 -0.53	23.04 -0.16 -0.36	25.49 0.03 -0.25	22.73 -0.09 -0.21	21.29 -0.19 -0.03	15.83 -0.17 -0.20
LUTHERFT_115KV_GLOB_FND_222 355753	22.30 0.67 -6.33	20.65 0.63 -5.26	19.93 0.61 -5.49	19.76 0.64 -4.69	21.40 0.55 -7.72	22.37 0.68 -6.49	25.79 1.06 -4.00	33.87 0.89 -14.01	29.92 0.96 -9.05	23.47 0.94 -3.40	23.66 0.83 -5.06	25.56 0.82 -7.21	25.96 0.79 -7.90	26.75 0.73 -9.75	27.79 0.71 -10.86	28.01 0.71 -11.09	28.43 0.87 -9.13	34.58 0.94 -14.91	40.43 1.02 -19.06	37.34 1.14 -13.36	35.92 1.36 -9.35	31.75 1.20 -7.95	23.57 1.12 -1.01	23.81 0.73 -7.28
LUTHERNY_35_KV_BK2 355980	22.30 0.67 -6.33	20.67 0.65 -5.26	19.93 0.61 -5.49	19.76 0.64 -4.69	21.42 0.56 -7.72	22.37 0.68 -6.49	25.79 1.06 -4.00	33.89 0.91 -14.01	29.94 0.98 -9.05	23.47 0.94 -3.40	23.66 0.83 -5.06	25.57 0.84 -7.21	25.97 0.81 -7.90	26.77 0.75 -9.75	27.81 0.73 -10.86	28.01 0.71 -11.09	28.45 0.88 -9.13	34.58 0.94 -14.91	40.43 1.02 -19.06	37.37 1.16 -13.36	35.92 1.36 -9.35	31.77 1.22 -7.95	23.57 1.12 -1.01	23.81 0.73 -7.28
LWR___OSWEGATCHIE_HYD 23850	14.91 -0.52 -0.13	14.38 -0.49 -0.11	13.48 -0.47 -0.11	14.07 -0.46 -0.10	12.88 -0.41 -0.16	14.89 -0.44 -0.13	20.16 -0.66 -0.08	18.66 -0.59 -0.28	19.30 -0.80 -0.18	18.46 -0.75 -0.07	17.12 -0.75 -0.10	16.94 -0.74 -0.15	16.71 -0.73 -0.16	15.82 -0.65 -0.20	15.80 -0.65 -0.23	15.81 -0.63 -0.23	17.85 -0.77 -0.19	18.35 -0.69 -0.31	20.05 -0.69 -0.40	22.35 -0.75 -0.27	24.67 -0.73 -0.19	22.00 -0.77 -0.16	20.66 -0.82 -0.02	15.38 -0.57 -0.15
LYONS_FALL_HYD 23570	15.42 -0.06 -0.18	14.86 -0.04 -0.15	13.95 -0.04 -0.16	14.51 -0.06 -0.13	13.32 -0.04 -0.22	15.38 0.00 -0.18	20.87 0.02 -0.11	18.97 0.00 0.00	19.79 -0.12 0.00	18.98 -0.15 0.00	17.54 -0.21 0.00	17.31 -0.21 0.00	17.09 -0.17 0.00	16.12 -0.15 0.00	16.03 -0.19 0.00	16.01 -0.19 0.00	18.25 -0.18 0.00	18.61 -0.13 0.00	20.86 -0.04 -0.56	23.21 0.02 -0.35	25.63 0.18 -0.24	22.88 0.07 -0.21	21.46 -0.02 -0.03	15.95 -0.05 -0.19
MADISON___COUNTY_LFGE 323628	15.83 0.24 -0.28	15.18 0.19 -0.23	14.26 0.18 -0.24	14.81 0.17 -0.21	13.64 0.16 -0.34	15.71 0.23 -0.29	21.29 0.37 -0.18	19.97 0.38 -0.62	20.59 0.28 -0.40	19.51 0.21 -0.16	18.11 0.12 -0.23	17.98 0.12 -0.33	17.78 0.16 -0.36	16.88 0.16 -0.45	16.82 0.10 -0.50	16.81 0.10 -0.51	19.02 0.17 -0.42	19.62 0.21 -0.68	21.61 0.39 -0.87	23.93 0.50 -0.59	26.33 0.71 -0.42	23.52 0.57 -0.35	21.93 0.43 -0.04	16.40 0.27 -0.32
MALONE___115KV_TB1 356076	15.36 0.02 -0.04	14.85 0.06 -0.03	13.89 0.01 -0.03	14.55 0.09 -0.03	13.28 0.09 -0.05	15.39 0.15 -0.04	20.93 0.17 -0.03	19.32 0.27 -0.09	20.11 0.14 -0.06	19.38 0.23 -0.02	17.97 0.18 -0.03	17.73 0.16 -0.05	17.42 0.10 -0.05	16.46 0.13 -0.06	16.47 0.18 -0.07	16.46 0.18 -0.07	18.68 0.18 -0.06	19.13 0.30 -0.10	20.77 0.31 -0.12	23.24 0.32 -0.08	25.52 0.25 -0.06	22.70 0.05 -0.05	21.44 -0.02 -0.01	15.82 -0.03 -0.05
MAPLEWOD_115KV_TB3 80458	22.02 0.55 -6.17	20.42 0.53 -5.13	19.69 0.50 -5.35	19.54 0.53 -4.58	21.13 0.47 -7.52	22.09 0.56 -6.33	25.42 0.79 -3.90	33.27 0.64 -13.66	29.50 0.76 -8.83	23.12 0.73 -3.26	23.32 0.64 -4.92	25.15 0.65 -6.98	25.55 0.64 -7.65	26.31 0.59 -9.45	27.32 0.58 -10.51	27.52 0.58 -10.73	27.98 0.70 -8.84	33.94 0.75 -14.45	39.62 0.81 -18.46	36.78 0.91 -13.03	35.38 1.06 -9.12	31.28 0.93 -7.75	23.29 0.86 -0.98	23.44 0.54 -7.10
MAPLE RIDGE_WT_1 323574	15.09 -0.21 0.00	14.56 -0.19 0.00	13.66 -0.18 0.00	14.27 -0.16 0.00	13.00 -0.13 0.00	15.05 -0.15 0.00	20.49 -0.25 0.00	18.78 -0.19 0.00	19.69 -0.22 0.00	18.94 -0.19 0.00	17.56 -0.19 0.00	17.31 -0.21 0.00	17.04 -0.22 0.00	16.04 -0.23 0.00	15.98 -0.24 0.00	15.93 -0.28 0.00	18.10 -0.33 0.00	18.42 -0.32 0.00	20.00 -0.35 0.00	22.45 -0.39 0.00	24.78 -0.43 0.00	22.22 -0.38 0.00	21.15 -0.30 0.00	15.62 -0.19 0.00

MAPLE_RIDGE_WT_2 323611	15.09 -0.21 0.00	14.56 -0.19 0.00	13.66 -0.18 0.00	14.27 -0.16 0.00	13.00 -0.13 0.00	15.05 -0.15 0.00	20.49 -0.25 0.00	18.78 -0.19 0.00	19.69 -0.22 0.00	18.94 -0.19 0.00	17.56 -0.19 0.00	17.31 -0.21 0.00	17.04 -0.22 0.00	16.04 -0.23 0.00	15.98 -0.24 0.00	15.93 -0.28 0.00	18.10 -0.33 0.00	18.42 -0.32 0.00	20.00 -0.35 0.00	22.45 -0.39 0.00	24.78 -0.43 0.00	22.22 -0.38 0.00	21.15 -0.30 0.00	15.62 -0.19 0.00
MARBLE_RIVER_WT_PWR 323696	15.36 0.06 0.00	14.82 0.06 0.00	13.86 0.03 0.00	14.53 0.10 0.00	13.24 0.10 0.00	15.35 0.15 0.00	20.95 0.21 0.00	19.25 0.28 0.00	20.11 0.20 0.00	19.38 0.25 0.00	17.97 0.21 0.00	17.71 0.19 0.00	17.42 0.16 0.00	16.42 0.15 0.00	16.40 0.18 0.00	16.38 0.18 0.00	18.64 0.20 0.00	19.04 0.30 0.00	20.63 0.28 0.00	23.16 0.32 0.00	25.46 0.25 0.00	22.69 0.09 0.00	21.47 0.02 0.00	15.82 0.02 0.00
MARSHVLE_115KV_TB1 80742	23.96 1.06 -7.60	22.05 0.97 -6.32	21.36 0.93 -6.59	21.04 0.97 -5.64	23.29 0.88 -9.27	24.08 1.08 -7.80	27.10 1.56 -4.80	37.15 1.35 -16.83	32.09 1.29 -10.88	24.59 1.21 -4.26	25.00 1.12 -6.13	27.46 1.12 -8.81	28.00 1.10 -9.63	29.18 1.03 -11.88	30.47 0.99 -13.26	30.76 0.99 -13.57	30.73 1.14 -11.15	38.18 1.29 -18.15	45.05 1.44 -23.26	40.57 1.67 -16.06	38.43 1.99 -11.23	34.06 1.90 -9.56	24.35 1.69 -1.21	25.74 1.19 -8.75
MARSH_HILL_WT_PWR 323713	16.33 0.09 -0.94	15.60 0.06 -0.78	14.75 0.10 -0.81	15.22 0.09 -0.70	14.31 0.03 -1.14	16.21 0.05 -0.96	21.68 0.35 -0.59	19.69 0.17 -0.55	20.21 -0.06 -0.35	19.14 -0.13 -0.14	17.80 -0.16 -0.20	17.67 -0.14 -0.29	17.39 -0.19 -0.32	16.43 -0.23 -0.39	16.37 -0.29 -0.44	16.36 -0.29 -0.45	18.53 -0.28 -0.37	19.05 -0.28 -0.60	23.02 -0.22 -2.90	24.67 -0.14 -1.97	26.38 -0.20 -1.37	23.70 -0.07 -1.17	21.54 -0.06 -0.15	16.97 0.10 -1.07
MCINTYRE_115KV_TB2 80467	15.30 -0.06 -0.06	14.81 0.00 -0.05	13.85 -0.04 -0.05	14.51 0.03 -0.05	13.25 0.04 -0.07	15.31 0.05 -0.06	20.59 -0.19 -0.04	19.01 -0.09 -0.13	19.72 -0.28 -0.09	18.98 -0.19 -0.04	17.59 -0.21 -0.05	17.38 -0.21 -0.07	17.10 -0.24 -0.08	16.19 -0.18 -0.10	16.15 -0.18 -0.11	16.19 -0.13 -0.11	18.25 -0.28 -0.09	18.68 -0.21 -0.15	20.33 -0.20 -0.19	22.69 -0.27 -0.13	25.02 -0.28 -0.09	22.30 -0.38 -0.08	21.08 -0.39 -0.01	15.67 -0.21 -0.07
MECO____69_KV_BK1 80468	23.91 1.39 -7.21	22.05 1.30 -6.00	21.34 1.25 -6.26	21.08 1.30 -5.35	23.10 1.17 -8.80	24.06 1.46 -7.40	27.18 1.89 -4.56	36.46 1.52 -15.97	31.67 1.43 -10.32	24.45 1.30 -4.02	24.74 1.17 -5.81	27.06 1.19 -8.35	27.54 1.16 -9.12	28.60 1.07 -11.26	29.83 1.05 -12.56	30.14 1.09 -12.85	30.31 1.31 -10.56	37.54 1.61 -17.19	44.21 1.83 -22.03	40.16 2.08 -15.24	38.39 2.52 -10.66	33.82 2.15 -9.07	24.51 1.91 -1.15	25.45 1.34 -8.30
MENANDS__115KV_TB5 355628	21.75 0.34 -6.11	20.16 0.32 -5.08	19.45 0.32 -5.30	19.31 0.35 -4.53	20.89 0.30 -7.45	21.81 0.35 -6.27	25.07 0.48 -3.86	32.85 0.36 -13.52	29.13 0.48 -8.74	22.78 0.44 -3.21	23.03 0.41 -4.87	24.82 0.40 -6.89	25.22 0.40 -7.56	25.97 0.36 -9.34	26.96 0.36 -10.38	27.16 0.36 -10.60	27.61 0.44 -8.73	33.47 0.45 -14.28	39.05 0.47 -18.24	36.29 0.55 -12.90	34.84 0.61 -9.02	30.84 0.57 -7.67	22.94 0.51 -0.97	23.11 0.28 -7.03
MG INDUSTRY__DRP 24185	21.60 0.38 -5.92	20.04 0.37 -4.92	19.33 0.36 -5.13	19.21 0.39 -4.39	20.69 0.34 -7.22	21.66 0.40 -6.07	25.02 0.54 -3.74	32.54 0.47 -13.10	28.94 0.56 -8.47	22.91 0.52 -3.27	22.98 0.46 -4.76	24.80 0.46 -6.82	25.17 0.45 -7.45	25.88 0.41 -9.20	26.89 0.41 -10.26	27.10 0.41 -10.49	27.56 0.50 -8.63	33.30 0.51 -14.06	38.88 0.53 -18.00	35.95 0.62 -12.50	34.66 0.71 -8.74	30.69 0.66 -7.44	23.01 0.62 -0.94	23.01 0.40 -6.81
MID__OSWEGATCHIE_HYD 23849	14.91 -0.52 -0.13	14.38 -0.49 -0.11	13.48 -0.47 -0.11	14.07 -0.46 -0.10	12.88 -0.41 -0.16	14.89 -0.44 -0.13	20.16 -0.66 -0.08	18.66 -0.59 -0.28	19.30 -0.80 -0.18	18.46 -0.75 -0.07	17.12 -0.75 -0.10	16.94 -0.74 -0.15	16.71 -0.73 -0.16	15.82 -0.65 -0.20	15.80 -0.65 -0.23	15.81 -0.63 -0.23	17.85 -0.77 -0.19	18.35 -0.69 -0.31	20.05 -0.69 -0.40	22.35 -0.75 -0.27	24.67 -0.73 -0.19	22.00 -0.77 -0.16	20.66 -0.82 -0.02	15.38 -0.57 -0.15
MID__RAQUETTE_HYD 23851	14.90 -0.47 -0.07	14.40 -0.41 -0.06	13.48 -0.42 -0.06	14.11 -0.38 -0.05	12.89 -0.33 -0.09	14.91 -0.36 -0.07	20.02 -0.77 -0.04	18.52 -0.61 -0.16	19.22 -0.80 -0.10	18.48 -0.69 -0.04	17.14 -0.67 -0.06	16.94 -0.67 -0.08	16.67 -0.69 -0.09	15.78 -0.60 -0.11	15.78 -0.57 -0.12	15.78 -0.55 -0.13	17.80 -0.74 -0.11	18.23 -0.67 -0.17	19.85 -0.71 -0.22	22.14 -0.84 -0.15	24.38 -0.93 -0.10	21.72 -0.97 -0.09	20.52 -0.94 -0.01	15.27 -0.62 -0.08
MILLIKEN__1 23584	16.39 0.18 -0.90	15.64 0.13 -0.75	14.76 0.14 -0.78	15.22 0.12 -0.67	14.33 0.09 -1.10	16.26 0.14 -0.93	21.66 0.35 -0.57	21.12 0.15 -2.00	21.20 0.00 -1.29	19.56 -0.10 -0.52	18.35 -0.14 -0.73	18.46 -0.12 -1.06	18.32 -0.10 -1.15	17.58 -0.11 -1.42	17.68 -0.13 -1.59	17.69 -0.15 -1.63	19.68 -0.09 -1.34	20.84 -0.07 -2.17	23.30 0.16 -2.79	25.11 0.37 -1.91	27.02 0.48 -1.33	24.19 0.45 -1.13	21.94 0.34 -0.14	17.08 0.24 -1.04
MILLIKEN__2 23585	16.39 0.18 -0.90	15.64 0.13 -0.75	14.76 0.14 -0.78	15.22 0.12 -0.67	14.33 0.09 -1.10	16.26 0.14 -0.93	21.66 0.35 -0.57	21.12 0.15 -2.00	21.20 0.00 -1.29	19.56 -0.10 -0.52	18.35 -0.14 -0.73	18.46 -0.12 -1.06	18.32 -0.10 -1.15	17.58 -0.11 -1.42	17.68 -0.13 -1.59	17.69 -0.15 -1.63	19.68 -0.09 -1.34	20.84 -0.07 -2.17	23.30 0.16 -2.79	25.11 0.37 -1.91	27.02 0.48 -1.33	24.19 0.45 -1.13	21.94 0.34 -0.14	17.08 0.24 -1.04
MILLIKEN__DIESEL 23629	16.39 0.18 -0.90	15.64 0.13 -0.75	14.76 0.14 -0.78	15.22 0.12 -0.67	14.33 0.09 -1.10	16.26 0.14 -0.93	21.66 0.35 -0.57	21.12 0.15 -2.00	21.20 0.00 -1.29	19.56 -0.10 -0.52	18.35 -0.14 -0.73	18.46 -0.12 -1.06	18.32 -0.10 -1.15	17.58 -0.11 -1.42	17.68 -0.13 -1.59	17.69 -0.15 -1.63	19.68 -0.09 -1.34	20.84 -0.07 -2.17	23.30 0.16 -2.79	25.11 0.37 -1.91	27.02 0.48 -1.33	24.19 0.45 -1.13	21.94 0.34 -0.14	17.08 0.24 -1.04
MILLSEAT__LFGE 323607	15.48 -0.47 -0.65	14.75 -0.55 -0.54	13.97 -0.43 -0.56	14.45 -0.46 -0.48	13.41 -0.51 -0.79	15.30 -0.56 -0.66	20.65 -0.50 -0.41	18.65 -0.70 -0.38	19.20 -0.96 -0.24	18.18 -1.05 -0.10	16.86 -1.03 -0.14	16.67 -1.05 -0.20	16.45 -1.04 -0.22	15.50 -1.04 -0.27	15.42 -1.10 -0.30	15.43 -1.09 -0.31	17.51 -1.18 -0.25	17.91 -1.24 -0.41	21.09 -1.26 -2.00	22.90 -1.30 -1.36	24.70 -1.46 -0.95	22.28 -1.13 -0.81	20.50 -1.05 -0.10	16.02 -0.52 -0.74
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	21.02 0.90 -4.82	19.66 0.90 -4.01	18.85 0.83 -4.18	18.86 0.85 -3.58	19.80 0.79 -5.88	21.04 0.90 -4.94	25.05 1.27 -3.04	30.79 1.16 -10.67	28.18 1.37 -6.90	23.57 1.38 -3.06	23.06 1.33 -3.98	24.74 1.31 -5.90	24.96 1.29 -6.40	25.38 1.22 -7.89	26.30 1.22 -8.86	26.54 1.22 -9.12	27.24 1.35 -7.46	32.05 1.31 -12.00	37.31 1.46 -15.50	34.64 1.62 -10.18	34.04 1.71 -7.12	30.17 1.51 -6.06	23.65 1.44 -0.77	22.36 1.01 -5.54

MILLWOOD_13_KV_LOAD 356217	21.05 0.93 -4.82	19.68 0.91 -4.01	18.86 0.84 -4.18	18.90 0.89 -3.58	19.83 0.81 -5.88	21.07 0.93 -4.94	25.07 1.29 -3.04	30.79 1.16 -10.67	28.22 1.41 -6.90	23.57 1.38 -3.06	23.08 1.35 -3.98	24.77 1.35 -5.90	25.00 1.33 -6.40	25.41 1.25 -7.89	26.33 1.25 -8.86	26.56 1.23 -9.12	27.30 1.40 -7.46	32.11 1.37 -12.00	37.35 1.51 -15.50	34.71 1.69 -10.18	34.09 1.76 -7.12	30.22 1.56 -6.06	23.68 1.46 -0.77	22.39 1.04 -5.54
MODEL_CITY_ENERGY 24167	15.21 -0.81 -0.71	14.51 -0.84 -0.59	13.77 -0.69 -0.62	14.21 -0.75 -0.53	13.26 -0.75 -0.87	15.00 -0.93 -0.73	20.11 -1.08 -0.45	18.06 -1.33 -0.42	18.59 -1.59 -0.27	17.71 -1.53 -0.11	16.49 -1.42 -0.15	16.34 -1.40 -0.22	16.07 -1.43 -0.24	15.15 -1.42 -0.30	15.06 -1.49 -0.33	15.06 -1.49 -0.34	17.04 -1.68 -0.28	17.41 -1.78 -0.45	20.64 -1.91 -2.21	22.26 -2.08 -1.50	23.81 -2.44 -1.05	21.60 -1.90 -0.89	19.91 -1.65 -0.11	15.72 -0.90 -0.82
MODERN_LFGE_ 323580	15.21 -0.81 -0.71	14.51 -0.84 -0.59	13.77 -0.69 -0.62	14.21 -0.75 -0.53	13.26 -0.75 -0.87	15.00 -0.93 -0.73	20.11 -1.08 -0.45	18.06 -1.33 -0.42	18.59 -1.59 -0.27	17.71 -1.53 -0.11	16.49 -1.42 -0.15	16.34 -1.40 -0.22	16.07 -1.43 -0.24	15.15 -1.42 -0.30	15.06 -1.49 -0.33	15.06 -1.49 -0.34	17.04 -1.68 -0.28	17.41 -1.78 -0.45	20.64 -1.91 -2.21	22.26 -2.08 -1.50	23.81 -2.44 -1.05	21.60 -1.90 -0.89	19.91 -1.65 -0.11	15.72 -0.90 -0.82
MOHAWK_PAPER___DRP 24187	22.02 0.55 -6.17	20.42 0.53 -5.13	19.69 0.50 -5.35	19.54 0.53 -4.58	21.13 0.47 -7.52	22.09 0.56 -6.33	25.42 0.79 -3.90	33.27 0.64 -13.66	29.50 0.76 -8.83	23.12 0.73 -3.26	23.32 0.64 -4.92	25.15 0.65 -6.98	25.55 0.64 -7.65	26.31 0.59 -9.45	27.32 0.58 -10.51	27.52 0.58 -10.73	27.98 0.70 -8.84	33.94 0.75 -14.45	39.62 0.81 -18.46	36.78 0.91 -13.03	35.38 1.06 -9.12	31.28 0.93 -7.75	23.29 0.86 -0.98	23.44 0.54 -7.10
MOHICAN__35_KV_115KV_LD 80490	22.28 0.64 -6.33	20.63 0.61 -5.27	19.91 0.58 -5.49	19.74 0.61 -4.70	21.39 0.53 -7.72	22.37 0.67 -6.50	25.86 1.12 -4.00	33.92 0.93 -14.02	29.93 0.96 -9.06	23.50 0.96 -3.41	23.66 0.83 -5.07	25.59 0.84 -7.23	25.97 0.79 -7.91	26.76 0.72 -9.77	27.80 0.70 -10.88	28.00 0.68 -11.11	28.45 0.87 -9.15	34.63 0.96 -14.93	40.48 1.04 -19.10	37.40 1.19 -13.38	36.03 1.46 -9.36	31.85 1.29 -7.96	23.62 1.16 -1.01	23.82 0.73 -7.29
MONGAUP___HYD 23641	20.36 0.76 -4.29	19.02 0.69 -3.57	18.21 0.65 -3.72	18.22 0.61 -3.18	19.03 0.66 -5.23	20.36 0.76 -4.40	24.42 0.97 -2.71	29.76 0.80 -10.00	27.29 0.92 -6.46	22.82 0.86 -2.82	22.38 0.91 -3.72	24.00 0.98 -5.50	24.20 0.97 -5.97	24.54 0.91 -7.35	25.40 0.92 -8.25	25.59 0.89 -8.49	26.32 0.94 -6.95	30.71 0.79 -11.19	34.97 0.87 -13.75	32.91 0.98 -9.09	32.70 1.14 -6.36	28.94 0.93 -5.41	23.12 0.99 -0.68	21.55 0.79 -4.95
MONTAUK___DIESEL 23721	25.10 1.78 -8.02	22.85 1.79 -6.31	19.70 1.66 -4.20	20.41 1.72 -4.26	20.61 1.56 -5.91	24.75 1.81 -7.74	30.55 2.68 -7.14	32.09 2.39 -10.73	31.67 2.77 -8.99	27.23 2.54 -5.55	27.42 2.33 -7.34	27.31 2.30 -7.50	26.83 2.24 -7.32	27.05 2.12 -8.66	27.18 2.04 -8.91	27.61 2.06 -9.34	28.62 2.40 -7.79	33.55 2.34 -12.48	39.17 2.54 -16.28	38.80 2.90 -13.06	43.50 2.90 -15.39	35.35 2.83 -9.93	27.16 2.68 -3.02	23.33 1.94 -5.58
MOONROAD_115KV_HARTFLD_TB1-2 355988	16.08 0.00 -0.78	15.21 -0.19 -0.65	14.43 -0.08 -0.67	14.87 -0.14 -0.58	13.89 -0.20 -0.95	15.72 -0.27 -0.80	21.35 0.12 -0.49	20.80 0.11 -1.72	20.91 -0.12 -1.11	19.48 -0.10 -0.45	18.26 -0.12 -0.63	18.30 -0.14 -0.91	17.95 -0.31 -1.00	17.11 -0.39 -1.23	17.06 -0.54 -1.37	17.05 -0.57 -1.41	19.00 -0.59 -1.16	19.98 -0.64 -1.88	21.88 -0.87 -2.41	23.64 -0.84 -1.64	25.43 -0.93 -1.15	23.08 -0.50 -0.98	21.08 -0.49 -0.12	16.59 -0.11 -0.90
MORTIMER_115KV_TB3 55949	15.61 -0.26 -0.57	14.85 -0.38 -0.48	14.03 -0.30 -0.50	14.52 -0.33 -0.42	13.48 -0.35 -0.70	15.38 -0.41 -0.59	20.77 -0.33 -0.36	19.69 -0.55 -1.27	20.00 -0.74 -0.82	18.70 -0.77 -0.33	17.49 -0.73 -0.46	17.46 -0.74 -0.67	17.29 -0.71 -0.73	16.46 -0.72 -0.90	16.49 -0.75 -1.01	16.50 -0.75 -1.04	18.51 -0.77 -0.85	19.27 -0.84 -1.38	21.28 -0.83 -1.77	23.23 -0.82 -1.21	25.12 -0.93 -0.85	22.62 -0.70 -0.72	20.83 -0.71 -0.09	16.13 -0.33 -0.66
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	21.16 1.01 -4.85	19.79 1.00 -4.03	18.97 0.93 -4.20	18.98 0.95 -3.60	19.91 0.87 -5.91	21.16 0.99 -4.97	25.17 1.37 -3.06	30.97 1.27 -10.73	28.38 1.53 -6.94	23.76 1.55 -3.08	23.25 1.49 -4.00	24.95 1.49 -5.94	25.16 1.45 -6.44	25.58 1.37 -7.94	26.50 1.36 -8.91	26.73 1.35 -9.18	27.41 1.47 -7.50	32.25 1.44 -12.07	37.53 1.59 -15.60	34.84 1.76 -10.24	34.24 1.87 -7.16	30.37 1.67 -6.09	23.81 1.59 -0.77	22.52 1.14 -5.58
MUNSVILLE_WIND_PWR 323609	18.65 1.53 -1.81	17.83 1.56 -1.51	16.85 1.44 -1.57	17.28 1.50 -1.35	16.77 1.42 -2.21	18.82 1.76 -1.86	24.41 2.53 -1.15	24.24 2.07 -3.21	23.50 1.51 -2.07	21.11 1.15 -0.83	19.69 0.76 -1.17	19.97 0.75 -1.70	19.95 0.83 -1.85	19.35 0.80 -2.29	19.41 0.63 -2.55	19.53 0.71 -2.62	21.58 0.99 -2.15	23.48 1.26 -3.49	27.86 1.91 -5.60	27.01 1.44 -2.73	29.01 1.89 -1.91	25.77 1.54 -1.63	22.97 1.31 -0.21	18.23 0.93 -1.49
N SALMON___HYD 24042	15.33 0.03 0.00	14.82 0.06 0.00	13.85 0.01 0.00	14.52 0.09 0.00	13.23 0.09 0.00	15.35 0.15 0.00	20.90 0.17 0.00	19.23 0.27 0.00	20.05 0.14 0.00	19.36 0.23 0.00	17.93 0.18 0.00	17.68 0.16 0.00	17.37 0.10 0.00	16.40 0.13 0.00	16.38 0.16 0.00	16.35 0.15 0.00	18.62 0.18 0.00	19.04 0.30 0.00	20.63 0.28 0.00	23.16 0.32 0.00	25.46 0.25 0.00	22.65 0.05 0.00	21.43 -0.02 0.00	15.77 -0.03 0.00
N.AKRON__115KV_KNAPP 355671	15.53 -0.41 -0.64	14.72 -0.58 -0.54	13.95 -0.44 -0.56	14.42 -0.49 -0.48	13.39 -0.53 -0.78	15.24 -0.62 -0.66	20.54 -0.60 -0.41	19.56 -0.83 -1.42	19.76 -1.08 -0.92	18.39 -1.11 -0.37	17.21 -1.07 -0.52	17.21 -1.07 -0.76	17.02 -1.07 -0.82	16.21 -1.07 -1.02	16.22 -1.14 -1.14	16.24 -1.13 -1.16	18.21 -1.18 -0.96	19.01 -1.27 -1.55	20.89 -1.44 -1.99	22.76 -1.44 -1.36	24.52 -1.64 -0.95	22.17 -1.24 -0.81	20.40 -1.16 -0.10	15.96 -0.58 -0.74
N.BELMOR_69_KV_BK1 55787	24.59 1.27 -8.02	22.33 1.27 -6.31	19.22 1.18 -4.20	19.91 1.21 -4.26	20.16 1.12 -5.91	24.22 1.28 -7.74	29.68 1.80 -7.14	31.30 1.59 -10.73	30.81 1.91 -8.99	26.57 1.89 -5.55	26.84 1.74 -7.34	26.75 1.73 -7.50	26.28 1.69 -7.32	26.55 1.61 -8.66	26.71 1.57 -8.91	27.14 1.59 -9.34	27.96 1.73 -7.79	32.92 1.71 -12.48	38.52 1.89 -16.28	38.02 2.12 -13.06	42.84 2.24 -15.39	34.54 2.01 -9.93	26.47 1.99 -3.02	22.84 1.45 -5.58
N.E._GEN_SANDY PD 24062	21.46 0.61 -5.54	19.95 0.59 -4.61	19.20 0.55 -4.80	19.12 0.58 -4.11	20.40 0.51 -6.76	21.46 0.58 -5.68	25.07 0.83 -3.50	32.41 0.74 -12.70	29.00 0.88 -8.21	21.40 0.82 -1.45	22.69 0.76 -4.17	23.37 0.75 -5.09	23.80 0.74 -5.79	24.18 0.70 -7.21	24.70 0.71 -7.76	24.60 0.71 -7.68	25.77 0.83 -6.51	30.80 0.82 -11.24	34.45 0.89 -13.21	35.58 1.03 -11.71	34.51 1.11 -8.19	30.59 1.02 -6.97	23.30 0.97 -0.88	22.80 0.62 -6.38

N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	20.90 0.92 -4.68	19.55 0.90 -3.90	18.73 0.83 -4.06	18.76 0.85 -3.48	19.65 0.80 -5.71	20.92 0.91 -4.81	24.98 1.29 -2.96	30.51 1.18 -10.37	28.01 1.39 -6.70	23.47 1.38 -2.96	22.95 1.33 -3.86	24.57 1.31 -5.73	24.76 1.28 -6.22	25.15 1.22 -7.66	26.04 1.22 -8.60	26.29 1.23 -8.86	27.04 1.36 -7.24	31.74 1.35 -11.66	36.88 1.49 -15.05	34.38 1.64 -9.89	33.89 1.76 -6.92	30.03 1.54 -5.89	23.63 1.44 -0.74	22.22 1.03 -5.39
N. QUEENS_27_KV_LOAD 356247	21.21 1.06 -4.85	19.81 1.02 -4.03	18.97 0.93 -4.20	18.97 0.94 -3.60	19.90 0.85 -5.91	21.05 0.88 -4.97	25.02 1.22 -3.06	30.84 1.14 -10.73	28.28 1.43 -6.94	23.72 1.51 -3.08	23.21 1.46 -4.00	24.92 1.45 -5.94	25.14 1.43 -6.44	25.58 1.37 -7.94	26.50 1.36 -8.91	26.70 1.31 -9.18	27.38 1.44 -7.50	32.18 1.37 -12.07	37.47 1.53 -15.60	34.74 1.67 -10.24	34.11 1.74 -7.16	30.23 1.54 -6.09	23.70 1.48 -0.77	22.49 1.11 -5.58
N. TROY___115KV_TB1 355778	22.00 0.50 -6.19	20.39 0.49 -5.15	19.68 0.47 -5.37	19.52 0.49 -4.60	21.12 0.43 -7.55	22.07 0.52 -6.36	25.40 0.75 -3.91	33.31 0.63 -13.71	29.51 0.74 -8.86	23.03 0.67 -3.23	23.29 0.60 -4.93	25.08 0.60 -6.97	25.49 0.59 -7.64	26.26 0.55 -9.44	27.25 0.54 -10.49	27.44 0.53 -10.70	27.92 0.66 -8.82	33.86 0.67 -14.45	39.51 0.73 -18.44	36.77 0.84 -13.08	35.32 0.96 -9.15	31.27 0.88 -7.78	23.27 0.84 -0.98	23.44 0.51 -7.13
NARROWS_GT1_1 24228	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT1_2 24229	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT1_3 24230	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT1_4 24231	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT1_5 24232	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT1_6 24233	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT1_7 24234	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT1_8 24235	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT2_1 24236	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT2_2 24237	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT2_3 24238	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT2_4 24239	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60

NARROWS_GT2_5 24240	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT2_6 24241	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT2_7 24242	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NARROWS_GT2_8 24243	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	21.31 0.32 -5.68	19.78 0.30 -4.73	19.06 0.29 -4.93	18.92 0.27 -4.22	20.38 0.32 -6.93	21.44 0.41 -5.83	24.93 0.60 -3.59	32.06 0.51 -12.58	28.60 0.56 -8.13	22.89 0.59 -3.16	22.72 0.39 -4.58	24.44 0.35 -6.57	24.79 0.35 -7.18	25.44 0.31 -8.86	26.42 0.31 -9.89	26.68 0.36 -10.11	27.19 0.44 -8.32	32.76 0.49 -13.54	38.28 0.59 -17.34	35.50 0.66 -12.00	34.44 0.83 -8.40	30.47 0.72 -7.14	22.98 0.62 -0.90	22.72 0.38 -6.54
NCHELSEA_115KV_TR2 355582	20.97 0.89 -4.78	19.61 0.89 -3.97	18.80 0.82 -4.14	18.77 0.79 -3.55	19.76 0.80 -5.83	21.03 0.93 -4.90	25.06 1.31 -3.02	30.72 1.18 -10.58	28.14 1.39 -6.84	23.45 1.34 -2.98	22.95 1.26 -3.93	24.54 1.21 -5.81	24.78 1.21 -6.30	25.18 1.14 -7.77	26.06 1.12 -8.72	26.36 1.18 -8.97	27.10 1.33 -7.34	31.85 1.29 -11.82	37.09 1.49 -15.26	34.57 1.64 -10.09	34.03 1.76 -7.06	30.14 1.54 -6.00	23.65 1.44 -0.76	22.33 1.03 -5.50
NEG CAPITAL___MECHNVIL 23645	22.31 0.72 -6.29	20.63 0.65 -5.23	19.91 0.62 -5.45	19.73 0.63 -4.67	21.37 0.56 -7.67	22.34 0.68 -6.45	25.77 1.06 -3.97	34.19 0.91 -14.31	30.14 0.98 -9.25	23.48 0.94 -3.41	23.75 0.83 -5.16	25.67 0.84 -7.31	26.09 0.81 -8.01	26.92 0.75 -9.90	27.88 0.65 -11.01	28.09 0.65 -11.24	28.49 0.79 -9.26	34.72 0.84 -15.14	40.08 0.94 -18.80	37.18 1.05 -13.29	35.74 1.23 -9.30	31.59 1.08 -7.91	23.57 1.11 -1.00	23.77 0.73 -7.24
NEG CENTRAL_HIGH_ACRES 23767	15.38 -0.50 -0.58	14.72 -0.52 -0.48	13.90 -0.44 -0.50	14.37 -0.49 -0.43	13.36 -0.49 -0.71	15.25 -0.55 -0.60	20.59 -0.52 -0.37	18.62 -0.68 -0.33	19.29 -0.84 -0.22	18.34 -0.88 -0.09	17.03 -0.85 -0.12	16.86 -0.84 -0.18	16.65 -0.81 -0.19	15.71 -0.80 -0.24	15.64 -0.84 -0.27	15.65 -0.83 -0.27	17.76 -0.90 -0.22	18.15 -0.95 -0.36	21.24 -0.89 -1.79	23.13 -0.94 -1.23	25.01 -1.06 -0.86	22.47 -0.86 -0.73	20.71 -0.84 -0.09	15.97 -0.51 -0.67
NEG CENTRAL___DRP 24199	15.88 -0.03 -0.60	15.16 -0.10 -0.50	14.28 -0.08 -0.52	14.77 -0.12 -0.45	13.76 -0.12 -0.74	15.73 -0.09 -0.62	21.18 0.06 -0.38	20.23 -0.08 -1.34	20.54 -0.24 -0.87	19.19 -0.29 -0.35	17.95 -0.30 -0.49	17.93 -0.30 -0.71	17.75 -0.29 -0.77	16.93 -0.29 -0.96	16.98 -0.31 -1.07	16.99 -0.31 -1.09	19.04 -0.29 -0.90	19.89 -0.30 -1.46	22.03 -0.18 -1.87	24.02 -0.09 -1.28	26.03 -0.08 -0.89	23.34 -0.02 -0.76	21.44 -0.11 -0.10	16.45 -0.05 -0.70
NEG CENTRAL___INDECK 23768	16.29 0.18 -0.80	15.54 0.12 -0.67	14.68 0.15 -0.70	15.17 0.14 -0.59	14.18 0.07 -0.98	16.16 0.14 -0.82	21.66 0.41 -0.51	19.57 0.13 -0.47	20.06 -0.16 -0.30	18.95 -0.31 -0.12	17.61 -0.32 -0.17	17.45 -0.31 -0.25	17.19 -0.35 -0.27	16.21 -0.39 -0.33	16.17 -0.42 -0.37	16.20 -0.39 -0.38	18.34 -0.41 -0.31	18.85 -0.39 -0.51	22.58 -0.24 -2.48	24.40 -0.11 -1.68	26.26 -0.13 -1.17	23.62 0.02 -1.00	21.64 0.06 -0.13	16.91 0.19 -0.91
NEG CENTRAL___SENECA 23627	16.01 0.05 -0.66	15.26 -0.04 -0.55	14.39 -0.01 -0.57	14.89 -0.03 -0.49	13.88 -0.05 -0.80	15.86 -0.02 -0.67	21.32 0.17 -0.42	20.42 0.00 -1.45	20.67 -0.18 -0.94	19.24 -0.27 -0.38	18.01 -0.28 -0.53	18.01 -0.28 -0.77	17.83 -0.28 -0.84	17.03 -0.28 -1.04	17.07 -0.31 -1.16	17.09 -0.31 -1.19	19.15 -0.26 -0.98	20.06 -0.26 -1.58	22.22 -0.16 -2.03	24.18 -0.05 -1.39	26.13 -0.05 -0.97	23.45 0.02 -0.83	21.47 -0.09 -0.10	16.54 -0.02 -0.76
NEG CENTRAL___STATE_STREET 24147	15.86 -0.03 -0.59	15.18 -0.06 -0.49	14.29 -0.06 -0.51	14.77 -0.10 -0.43	13.74 -0.11 -0.71	15.71 -0.09 -0.60	21.34 0.23 -0.37	20.38 0.11 -1.30	20.73 -0.02 -0.84	19.39 -0.08 -0.34	18.12 -0.11 -0.47	18.12 -0.09 -0.69	17.95 -0.07 -0.75	17.10 -0.10 -0.92	17.16 -0.10 -1.03	17.15 -0.11 -1.06	19.23 -0.07 -0.87	20.05 -0.09 -1.41	22.20 0.04 -1.81	24.26 0.18 -1.24	26.33 0.25 -0.86	23.61 0.27 -0.74	21.69 0.15 -0.09	16.59 0.11 -0.67
NEG MILLWOOD___DRP 24198	21.10 0.93 -4.86	19.72 0.91 -4.05	18.91 0.86 -4.22	18.94 0.89 -3.61	19.91 0.84 -5.93	21.16 0.97 -4.99	25.16 1.35 -3.07	30.91 1.18 -10.77	28.33 1.45 -6.96	23.52 1.34 -3.05	23.09 1.33 -4.01	24.77 1.31 -5.93	25.01 1.31 -6.44	25.44 1.24 -7.93	26.34 1.22 -8.90	26.60 1.23 -9.16	27.35 1.42 -7.49	32.19 1.39 -12.07	37.49 1.57 -15.58	34.85 1.74 -10.28	34.21 1.82 -7.19	30.30 1.58 -6.11	23.68 1.46 -0.77	22.44 1.04 -5.60
NEG NORTH_FLCLN_SEA 23793	15.68 0.35 -0.03	15.16 0.38 -0.02	14.18 0.32 -0.03	14.87 0.42 -0.02	13.58 0.41 -0.04	15.76 0.53 -0.03	21.59 0.83 -0.02	19.89 0.85 -0.07	20.69 0.74 -0.04	19.97 0.82 -0.02	18.51 0.73 -0.02	18.24 0.68 -0.03	17.92 0.62 -0.04	16.90 0.59 -0.05	16.91 0.63 -0.05	16.89 0.63 -0.05	19.23 0.76 -0.04	19.71 0.90 -0.07	21.37 0.94 -0.09	23.97 1.07 -0.06	26.29 1.03 -0.04	23.36 0.72 -0.04	22.08 0.62 0.00	16.25 0.41 -0.03
NEG NORTH_KES_CHATEGAY 23792	15.39 0.06 -0.03	14.88 0.10 -0.02	13.93 0.07 -0.03	14.60 0.14 -0.02	13.32 0.14 -0.04	15.43 0.20 -0.03	21.03 0.27 -0.02	19.36 0.32 -0.07	20.17 0.22 -0.04	19.44 0.29 -0.02	18.03 0.25 -0.02	17.77 0.21 -0.03	17.48 0.17 -0.04	16.51 0.20 -0.05	16.52 0.24 -0.05	16.50 0.24 -0.05	18.76 0.28 -0.04	19.20 0.39 -0.07	20.85 0.41 -0.09	23.33 0.43 -0.06	25.63 0.38 -0.04	22.82 0.18 -0.04	21.56 0.11 0.00	15.90 0.06 -0.03



NEG NORTH___ALICE_FALLS 23915	15.67 0.34 -0.03	15.15 0.37 -0.02	14.15 0.29 -0.03	14.86 0.40 -0.02	13.57 0.39 -0.04	15.76 0.53 -0.03	21.57 0.81 -0.02	19.87 0.83 -0.07	20.67 0.72 -0.04	19.95 0.80 -0.02	18.49 0.71 -0.02	18.20 0.65 -0.03	17.89 0.59 -0.04	16.89 0.57 -0.05	16.87 0.60 -0.05	16.88 0.62 -0.05	19.23 0.76 -0.04	19.71 0.90 -0.07	21.39 0.96 -0.09	24.00 1.10 -0.06	26.29 1.03 -0.04	23.36 0.72 -0.04	22.06 0.60 0.00	16.20 0.36 -0.03
NEG NORTH___LWR_SARANAC 23913	15.67 0.34 -0.03	15.15 0.37 -0.02	14.15 0.29 -0.03	14.86 0.40 -0.02	13.57 0.39 -0.04	15.76 0.53 -0.03	21.57 0.81 -0.02	19.87 0.83 -0.07	20.67 0.72 -0.04	19.95 0.80 -0.02	18.49 0.71 -0.02	18.20 0.65 -0.03	17.89 0.59 -0.04	16.89 0.57 -0.05	16.87 0.60 -0.05	16.88 0.62 -0.05	19.23 0.76 -0.04	19.71 0.90 -0.07	21.39 0.96 -0.09	24.00 1.10 -0.06	26.29 1.03 -0.04	23.36 0.72 -0.04	22.06 0.60 0.00	16.20 0.36 -0.03
NEG NORTH___PLATTSBURG 23628	15.70 0.40 0.00	15.13 0.37 0.00	14.13 0.29 0.00	14.84 0.40 0.00	13.53 0.39 0.00	15.73 0.53 0.00	21.55 0.81 0.00	19.80 0.83 0.00	20.63 0.72 0.00	19.93 0.80 0.00	18.47 0.71 0.00	18.17 0.65 0.00	17.85 0.59 0.00	16.84 0.57 0.00	16.81 0.58 0.00	16.81 0.60 0.00	19.19 0.76 0.00	19.64 0.90 0.00	21.28 0.94 0.00	23.93 1.10 0.00	26.24 1.03 0.00	23.33 0.72 0.00	22.03 0.58 0.00	16.17 0.36 0.00
NEG WEST_LEA_LOCKPORT 23791	15.42 -0.55 -0.67	14.60 -0.71 -0.56	13.85 -0.57 -0.58	14.31 -0.62 -0.50	13.32 -0.63 -0.82	15.09 -0.79 -0.69	20.31 -0.85 -0.42	19.35 -1.10 -1.48	19.51 -1.35 -0.96	18.20 -1.32 -0.39	17.07 -1.23 -0.54	17.10 -1.21 -0.78	16.88 -1.24 -0.86	16.09 -1.24 -1.06	16.10 -1.30 -1.18	16.12 -1.30 -1.21	18.03 -1.40 -0.99	18.85 -1.50 -1.61	20.68 -1.73 -2.07	22.49 -1.76 -1.41	24.13 -2.07 -0.99	21.86 -1.58 -0.84	20.14 -1.42 -0.11	15.83 -0.74 -0.77
NEG WEST___LANCASTR 23811	15.41 -0.67 -0.78	14.61 -0.80 -0.65	13.84 -0.68 -0.68	14.27 -0.74 -0.58	13.36 -0.72 -0.95	15.13 -0.87 -0.80	20.34 -0.89 -0.49	20.18 -0.51 -1.73	20.25 -0.78 -1.12	18.82 -0.77 -0.45	17.68 -0.71 -0.63	17.74 -0.70 -0.92	17.50 -0.76 -1.00	16.74 -0.76 -1.23	16.79 -0.81 -1.38	16.81 -0.81 -1.41	18.76 -0.83 -1.16	19.70 -0.92 -1.88	21.21 -1.55 -2.41	22.89 -1.60 -1.65	24.52 -1.84 -1.15	22.14 -1.45 -0.98	20.20 -1.37 -0.12	15.91 -0.79 -0.90
NEG_PENN_ALLEGHNY 23528	16.81 0.08 -1.43	15.99 0.04 -1.19	15.12 0.04 -1.24	15.52 0.03 -1.06	14.91 0.03 -1.75	16.70 0.03 -1.47	21.85 0.21 -0.90	19.96 -0.02 -1.01	20.35 -0.22 -0.65	19.13 -0.27 -0.26	17.84 -0.28 -0.37	17.77 -0.28 -0.53	17.55 -0.29 -0.58	16.70 -0.29 -0.72	16.72 -0.31 -0.80	16.72 -0.31 -0.82	18.80 -0.31 -0.67	19.51 -0.32 -1.10	24.77 0.00 -4.42	25.85 0.09 -2.93	27.36 0.10 -2.05	24.48 0.14 -1.74	21.78 0.11 -0.22	17.49 0.10 -1.59
NEG___GEN_MONROE 24207	15.67 -0.21 -0.58	14.87 -0.37 -0.48	14.03 -0.30 -0.50	14.53 -0.33 -0.43	13.49 -0.35 -0.71	15.40 -0.40 -0.59	20.77 -0.33 -0.37	19.70 -0.55 -1.28	19.98 -0.76 -0.83	18.64 -0.82 -0.33	17.43 -0.80 -0.47	17.39 -0.81 -0.68	17.21 -0.79 -0.74	16.39 -0.80 -0.91	16.38 -0.86 -1.02	16.41 -0.84 -1.05	18.41 -0.88 -0.86	19.16 -0.97 -1.39	21.18 -0.96 -1.79	23.15 -0.91 -1.22	25.08 -0.98 -0.85	22.61 -0.72 -0.73	20.77 -0.77 -0.09	16.09 -0.38 -0.67
NEPA___ENERGY 23901	15.90 -0.41 -1.01	15.08 -0.52 -0.84	14.28 -0.43 -0.87	14.70 -0.48 -0.75	13.90 -0.46 -1.23	15.67 -0.56 -1.03	20.88 -0.50 -0.64	20.64 -0.55 -2.23	20.56 -0.80 -1.44	18.91 -0.80 -0.58	17.81 -0.76 -0.82	17.95 -0.75 -1.18	17.78 -0.78 -1.29	17.09 -0.76 -1.59	17.19 -0.81 -1.78	17.22 -0.81 -1.82	19.10 -0.83 -1.49	20.28 -0.88 -2.42	22.38 -1.08 -3.11	23.89 -1.07 -2.12	25.43 -1.26 -1.49	22.85 -1.02 -1.26	20.67 -0.94 -0.16	16.47 -0.49 -1.16
NEVERSINK___HYD 23608	19.98 0.86 -3.83	18.85 0.92 -3.18	18.00 0.84 -3.32	18.05 0.78 -2.84	18.65 0.85 -4.67	20.11 0.99 -3.93	24.44 1.29 -2.42	29.05 1.20 -8.89	26.99 1.33 -5.75	22.86 1.30 -2.43	22.21 1.17 -3.28	23.46 1.12 -4.81	23.62 1.12 -5.23	23.78 1.06 -6.45	24.52 1.07 -7.23	24.78 1.15 -7.43	25.85 1.33 -6.08	29.88 1.31 -9.83	33.91 1.48 -12.08	32.69 1.57 -8.27	32.79 1.79 -5.79	29.04 1.51 -4.92	23.43 1.35 -0.62	21.28 0.96 -4.51
NEWKRMKL_115KV_TB1 55635	21.68 0.26 -6.11	20.09 0.25 -5.08	19.40 0.26 -5.30	19.26 0.29 -4.54	20.83 0.24 -7.46	21.76 0.29 -6.27	24.97 0.37 -3.86	32.77 0.27 -13.53	29.02 0.36 -8.75	22.73 0.34 -3.25	22.94 0.30 -4.88	24.76 0.30 -6.94	25.18 0.31 -7.60	25.93 0.28 -9.39	26.94 0.28 -10.45	27.15 0.28 -10.67	27.57 0.35 -8.79	33.45 0.36 -14.36	39.06 0.37 -18.34	36.19 0.43 -12.91	34.72 0.48 -9.03	30.72 0.43 -7.68	22.83 0.41 -0.97	23.04 0.21 -7.03
NEWTON___FALLS_HYD 23847	14.91 -0.52 -0.13	14.38 -0.49 -0.11	13.48 -0.47 -0.11	14.07 -0.46 -0.10	12.88 -0.41 -0.16	14.89 -0.44 -0.13	20.16 -0.66 -0.08	18.66 -0.59 -0.28	19.30 -0.80 -0.18	18.46 -0.75 -0.07	17.12 -0.75 -0.10	16.94 -0.74 -0.15	16.71 -0.73 -0.16	15.82 -0.65 -0.20	15.80 -0.65 -0.23	15.81 -0.63 -0.23	17.85 -0.77 -0.19	18.35 -0.69 -0.31	20.05 -0.69 -0.40	22.35 -0.75 -0.27	24.67 -0.73 -0.19	22.00 -0.77 -0.16	20.66 -0.82 -0.02	15.38 -0.57 -0.15
NGRID_A1_DSASP 323792	15.12 -0.90 -0.72	14.41 -0.94 -0.60	13.69 -0.77 -0.63	14.13 -0.84 -0.54	13.19 -0.83 -0.88	14.90 -1.03 -0.74	20.03 -1.16 -0.46	17.95 -1.44 -0.42	18.47 -1.71 -0.27	17.60 -1.65 -0.11	16.40 -1.51 -0.15	16.26 -1.49 -0.22	15.97 -1.54 -0.24	15.06 -1.51 -0.30	14.99 -1.57 -0.34	14.98 -1.57 -0.34	16.93 -1.79 -0.28	17.30 -1.89 -0.46	20.56 -2.01 -2.23	22.16 -2.19 -1.51	23.67 -2.60 -1.06	21.47 -2.03 -0.90	19.83 -1.74 -0.11	15.66 -0.96 -0.82
NGRID_A2_DSASP 323793	15.12 -0.90 -0.72	14.41 -0.94 -0.60	13.69 -0.77 -0.63	14.13 -0.84 -0.54	13.19 -0.83 -0.88	14.90 -1.03 -0.74	20.03 -1.16 -0.46	17.95 -1.44 -0.42	18.47 -1.71 -0.27	17.60 -1.65 -0.11	16.40 -1.51 -0.15	16.26 -1.49 -0.22	15.97 -1.54 -0.24	15.06 -1.51 -0.30	14.99 -1.57 -0.34	14.98 -1.57 -0.34	16.93 -1.79 -0.28	17.30 -1.89 -0.46	20.56 -2.01 -2.23	22.16 -2.19 -1.51	23.67 -2.60 -1.06	21.47 -2.03 -0.90	19.83 -1.74 -0.11	15.66 -0.96 -0.82
NGRID_A4_DSASP 323807	15.12 -0.90 -0.72	14.41 -0.94 -0.60	13.69 -0.77 -0.63	14.13 -0.84 -0.54	13.19 -0.83 -0.88	14.90 -1.03 -0.74	20.03 -1.16 -0.46	17.95 -1.44 -0.42	18.47 -1.71 -0.27	17.60 -1.65 -0.11	16.40 -1.51 -0.15	16.26 -1.49 -0.22	15.97 -1.54 -0.24	15.06 -1.51 -0.30	14.99 -1.57 -0.34	14.98 -1.57 -0.34	16.93 -1.79 -0.28	17.30 -1.89 -0.46	20.56 -2.01 -2.23	22.16 -2.19 -1.51	23.67 -2.60 -1.06	21.47 -2.03 -0.90	19.83 -1.74 -0.11	15.66 -0.96 -0.82
NIAGARA_115E_LBMP 323715	15.15 -0.87 -0.72	14.44 -0.91 -0.60	13.71 -0.75 -0.62	14.16 -0.81 -0.53	13.21 -0.80 -0.88	14.93 -1.00 -0.74	20.01 -1.18 -0.45	17.95 -1.44 -0.42	18.49 -1.69 -0.27	17.60 -1.65 -0.11	16.40 -1.51 -0.15	16.25 -1.49 -0.22	15.97 -1.54 -0.24	15.06 -1.51 -0.30	14.98 -1.57 -0.33	14.98 -1.57 -0.34	16.93 -1.79 -0.28	17.30 -1.89 -0.46	20.53 -2.03 -2.22	22.13 -2.21 -1.51	23.67 -2.60 -1.05	21.46 -2.03 -0.90	19.81 -1.76 -0.11	15.64 -0.98 -0.82

NIAGARA_115W_LBMP 323714	15.07 -0.95 -0.72	14.38 -0.97 -0.60	13.65 -0.82 -0.63	14.09 -0.88 -0.53	13.16 -0.85 -0.88	14.87 -1.06 -0.74	19.97 -1.22 -0.46	17.89 -1.50 -0.42	18.43 -1.75 -0.27	17.54 -1.70 -0.11	16.35 -1.56 -0.15	16.20 -1.54 -0.22	15.94 -1.57 -0.24	15.02 -1.55 -0.30	14.95 -1.61 -0.34	14.95 -1.60 -0.34	16.89 -1.83 -0.28	17.27 -1.93 -0.46	20.50 -2.08 -2.23	22.11 -2.24 -1.51	23.62 -2.65 -1.06	21.42 -2.08 -0.90	19.78 -1.78 -0.11	15.63 -1.00 -0.82
NIAGARA_230_LBMP 323716	15.28 -0.73 -0.71	14.58 -0.77 -0.59	13.83 -0.62 -0.62	14.28 -0.68 -0.53	13.34 -0.67 -0.87	15.08 -0.85 -0.73	20.26 -0.93 -0.45	18.17 -1.21 -0.42	18.71 -1.47 -0.27	17.82 -1.42 -0.11	16.61 -1.30 -0.15	16.46 -1.28 -0.22	16.19 -1.31 -0.24	15.27 -1.30 -0.30	15.19 -1.36 -0.33	15.18 -1.36 -0.34	17.17 -1.55 -0.28	17.54 -1.65 -0.45	20.78 -1.77 -2.20	22.43 -1.90 -1.49	23.98 -2.27 -1.04	21.73 -1.76 -0.89	20.06 -1.50 -0.11	15.83 -0.79 -0.81
NIAGARA__115KV_198_GIBSON 55903	15.17 -0.83 -0.69	14.36 -0.97 -0.57	13.62 -0.82 -0.60	14.06 -0.88 -0.51	13.12 -0.85 -0.84	14.84 -1.06 -0.71	19.95 -1.22 -0.44	19.00 -1.50 -1.53	19.15 -1.75 -0.99	17.83 -1.70 -0.40	16.75 -1.56 -0.56	16.81 -1.52 -0.81	16.59 -1.55 -0.88	15.81 -1.55 -1.09	15.83 -1.61 -1.22	15.85 -1.60 -1.25	17.73 -1.73 -1.02	18.52 -1.87 -1.66	20.36 -2.12 -2.13	22.10 -2.19 -1.46	23.68 -2.55 -1.02	21.48 -1.99 -0.87	19.76 -1.80 -0.11	15.59 -1.01 -0.79
NIAGARA____ 23760	15.10 -0.92 -0.72	14.41 -0.94 -0.60	13.67 -0.79 -0.62	14.11 -0.85 -0.53	13.19 -0.83 -0.88	14.90 -1.03 -0.74	20.01 -1.18 -0.45	18.00 -1.38 -0.42	18.55 -1.63 -0.27	17.65 -1.59 -0.11	16.44 -1.47 -0.15	16.29 -1.45 -0.22	16.02 -1.48 -0.24	15.11 -1.46 -0.30	15.03 -1.53 -0.33	15.02 -1.52 -0.34	17.00 -1.71 -0.28	17.36 -1.84 -0.46	20.63 -1.93 -2.22	22.24 -2.10 -1.50	23.79 -2.47 -1.05	21.55 -1.94 -0.89	19.87 -1.70 -0.11	15.65 -0.98 -0.82
NINE_MILE_1 23575	15.12 -0.55 -0.37	14.52 -0.55 -0.31	13.66 -0.50 -0.32	14.17 -0.53 -0.27	13.08 -0.50 -0.45	15.01 -0.56 -0.38	20.29 -0.68 -0.23	18.25 -0.72 0.00	19.10 -0.82 0.00	18.31 -0.82 0.00	16.98 -0.78 0.00	16.77 -0.75 0.00	16.52 -0.74 0.00	15.55 -0.72 0.00	15.49 -0.73 0.00	15.48 -0.73 0.00	17.62 -0.81 0.00	17.89 -0.84 0.00	20.69 -0.79 -1.14	22.77 -0.84 -0.78	24.82 -0.93 -0.54	22.27 -0.79 -0.46	20.74 -0.77 -0.06	15.67 -0.55 -0.42
NINE_MILE_2 23744	15.12 -0.55 -0.37	14.52 -0.55 -0.31	13.66 -0.50 -0.32	14.17 -0.53 -0.27	13.08 -0.50 -0.45	15.01 -0.56 -0.38	20.29 -0.68 -0.23	18.25 -0.72 0.00	19.10 -0.82 0.00	18.31 -0.82 0.00	16.98 -0.78 0.00	16.77 -0.75 0.00	16.52 -0.74 0.00	15.55 -0.72 0.00	15.49 -0.73 0.00	15.48 -0.73 0.00	17.62 -0.81 0.00	17.89 -0.84 0.00	20.69 -0.79 -1.14	22.77 -0.84 -0.78	24.82 -0.93 -0.54	22.27 -0.79 -0.46	20.74 -0.77 -0.06	15.67 -0.55 -0.42
NM_CAPITAL____DRP 24208	21.71 0.31 -6.10	20.14 0.31 -5.07	19.43 0.30 -5.29	19.27 0.32 -4.52	20.86 0.29 -7.44	21.79 0.33 -6.26	25.03 0.44 -3.85	32.79 0.32 -13.50	29.08 0.44 -8.73	22.74 0.40 -3.21	22.99 0.37 -4.86	24.78 0.37 -6.89	25.18 0.36 -7.55	25.92 0.33 -9.33	26.92 0.32 -10.37	27.11 0.32 -10.58	27.56 0.41 -8.72	33.41 0.41 -14.27	38.99 0.43 -18.22	36.22 0.50 -12.88	34.77 0.55 -9.01	30.79 0.52 -7.66	22.89 0.47 -0.97	23.07 0.25 -7.02
NM_CENTRAL____DRP 24181	15.54 -0.21 -0.45	14.88 -0.25 -0.37	14.01 -0.22 -0.39	14.51 -0.26 -0.33	13.45 -0.24 -0.55	15.40 -0.26 -0.46	20.79 -0.23 -0.28	19.64 -0.32 -0.99	20.14 -0.42 -0.64	18.95 -0.44 -0.26	17.69 -0.43 -0.36	17.65 -0.40 -0.53	17.44 -0.40 -0.57	16.59 -0.39 -0.71	16.63 -0.39 -0.79	16.63 -0.39 -0.81	18.70 -0.41 -0.67	19.37 -0.45 -1.08	21.37 -0.37 -1.39	23.47 -0.32 -0.95	25.54 -0.33 -0.66	22.90 -0.27 -0.56	21.22 -0.30 -0.07	16.10 -0.22 -0.52
NM_FRONTIER____DRP 24179	15.17 -0.83 -0.69	14.36 -0.97 -0.57	13.62 -0.82 -0.60	14.06 -0.88 -0.51	13.12 -0.85 -0.84	14.84 -1.06 -0.71	19.95 -1.22 -0.44	19.00 -1.50 -1.53	19.15 -1.75 -0.99	17.83 -1.70 -0.40	16.75 -1.56 -0.56	16.81 -1.52 -0.81	16.59 -1.55 -0.88	15.81 -1.55 -1.09	15.83 -1.61 -1.22	15.85 -1.60 -1.25	17.73 -1.73 -1.02	18.52 -1.87 -1.66	20.36 -2.12 -2.13	22.10 -2.19 -1.46	23.68 -2.55 -1.02	21.48 -1.99 -0.87	19.76 -1.80 -0.11	15.59 -1.01 -0.79
NM_ST_REGIS____HYD 24053	15.00 -0.37 -0.06	14.50 -0.31 -0.05	13.56 -0.33 -0.06	14.21 -0.27 -0.05	12.98 -0.24 -0.08	15.01 -0.26 -0.07	20.24 -0.54 -0.04	18.69 -0.42 -0.14	19.43 -0.58 -0.09	18.69 -0.48 -0.04	17.33 -0.48 -0.05	17.12 -0.47 -0.08	16.85 -0.50 -0.08	15.93 -0.44 -0.10	15.95 -0.39 -0.11	15.95 -0.37 -0.12	18.01 -0.52 -0.10	18.44 -0.45 -0.16	20.06 -0.49 -0.20	22.40 -0.57 -0.14	24.65 -0.66 -0.09	21.94 -0.75 -0.08	20.73 -0.73 -0.01	15.39 -0.49 -0.07
NORTHPORT____1 23551	24.60 1.27 -8.03	22.29 1.22 -6.31	19.19 1.15 -4.21	19.88 1.18 -4.27	20.14 1.09 -5.92	24.16 1.22 -7.75	29.62 1.74 -7.14	31.63 1.44 -11.22	31.03 1.81 -9.31	26.55 1.76 -5.66	26.85 1.58 -7.51	26.84 1.58 -7.74	26.43 1.57 -7.59	26.73 1.46 -9.00	26.95 1.44 -9.29	27.37 1.44 -9.72	28.14 1.60 -8.10	33.28 1.55 -12.99	38.30 1.69 -16.27	37.82 1.89 -13.09	42.59 1.97 -15.41	34.35 1.81 -9.94	26.34 1.87 -3.03	22.69 1.30 -5.59
NORTHPORT____2 23552	24.60 1.27 -8.03	22.29 1.22 -6.31	19.19 1.15 -4.21	19.88 1.18 -4.27	20.14 1.09 -5.92	24.16 1.22 -7.75	29.62 1.74 -7.14	31.63 1.44 -11.22	31.03 1.81 -9.31	26.55 1.76 -5.66	26.85 1.58 -7.51	26.84 1.58 -7.74	26.43 1.57 -7.59	26.73 1.46 -9.00	26.95 1.44 -9.29	27.37 1.44 -9.72	28.14 1.60 -8.10	33.28 1.55 -12.99	38.30 1.69 -16.27	37.82 1.89 -13.09	42.59 1.97 -15.41	34.35 1.81 -9.94	26.34 1.87 -3.03	22.69 1.30 -5.59
NORTHPORT____3 23553	24.73 1.41 -8.03	22.38 1.31 -6.31	19.28 1.23 -4.21	19.97 1.27 -4.27	20.21 1.16 -5.92	24.27 1.32 -7.75	29.76 1.89 -7.14	31.86 1.67 -11.22	31.21 1.99 -9.31	26.75 1.95 -5.66	27.06 1.79 -7.51	27.05 1.79 -7.74	26.62 1.76 -7.59	26.93 1.66 -9.00	27.18 1.67 -9.29	27.60 1.67 -9.72	28.40 1.86 -8.10	33.56 1.84 -12.99	38.63 2.01 -16.27	38.17 2.24 -13.09	42.99 2.37 -15.41	34.69 2.15 -9.94	26.56 2.08 -3.03	22.84 1.44 -5.59
NORTHPORT____4 23650	24.73 1.41 -8.03	22.38 1.31 -6.31	19.28 1.23 -4.21	19.97 1.27 -4.27	20.21 1.16 -5.92	24.27 1.32 -7.75	29.76 1.89 -7.14	31.86 1.67 -11.22	31.21 1.99 -9.31	26.75 1.95 -5.66	27.06 1.79 -7.51	27.05 1.79 -7.74	26.62 1.76 -7.59	26.93 1.66 -9.00	27.18 1.67 -9.29	27.60 1.67 -9.72	28.40 1.86 -8.10	33.56 1.84 -12.99	38.63 2.01 -16.27	38.17 2.24 -13.09	42.99 2.37 -15.41	34.69 2.15 -9.94	26.56 2.08 -3.03	22.84 1.44 -5.59
NORTHPORT____IC 23718	24.60 1.27 -8.03	22.29 1.22 -6.31	19.19 1.15 -4.21	19.88 1.18 -4.27	20.14 1.09 -5.92	24.16 1.22 -7.75	29.62 1.74 -7.14	31.63 1.44 -11.22	31.03 1.81 -9.31	26.55 1.76 -5.66	26.85 1.58 -7.51	26.84 1.58 -7.74	26.43 1.57 -7.59	26.73 1.46 -9.00	26.95 1.44 -9.29	27.37 1.44 -9.72	28.14 1.60 -8.10	33.28 1.55 -12.99	38.30 1.69 -16.27	37.82 1.89 -13.09	42.59 1.97 -15.41	34.35 1.81 -9.94	26.34 1.87 -3.03	22.69 1.30 -5.59

NORTH__COUNTRY_ESR 323785	15.35 0.05 0.00	14.82 0.06 0.00	13.86 0.03 0.00	14.53 0.10 0.00	13.24 0.10 0.00	15.35 0.15 0.00	20.95 0.21 0.00	19.25 0.28 0.00	20.09 0.18 0.00	19.38 0.25 0.00	17.99 0.23 0.00	17.71 0.19 0.00	17.42 0.16 0.00	16.43 0.16 0.00	16.40 0.18 0.00	16.38 0.18 0.00	18.66 0.22 0.00	19.06 0.32 0.00	20.65 0.31 0.00	23.18 0.34 0.00	25.49 0.28 0.00	22.69 0.09 0.00	21.49 0.04 0.00	15.82 0.02 0.00
NPX_GEN_1385_PROXY 323591	24.00 0.67 -8.03	22.13 1.06 -6.31	19.11 1.07 -4.21	19.80 1.10 -4.27	20.07 1.01 -5.92	23.92 0.97 -7.75	29.25 1.37 -7.14	31.37 1.18 -11.22	30.73 1.51 -9.31	26.00 1.21 -5.66	26.23 0.96 -7.51	26.30 1.03 -7.74	25.89 1.04 -7.59	26.18 0.91 -9.00	26.52 1.01 -9.29	26.95 1.02 -9.72	27.75 1.22 -8.10	33.00 1.27 -12.99	38.00 1.38 -16.27	37.53 1.60 -13.09	42.13 1.51 -15.41	33.97 1.42 -9.94	25.92 1.44 -3.03	22.36 0.96 -5.59
NPX_GEN_CSC 323557	24.78 1.45 -8.03	22.42 1.36 -6.31	19.32 1.27 -4.21	20.00 1.30 -4.27	20.25 1.20 -5.92	24.31 1.37 -7.75	29.85 1.97 -7.14	31.92 1.73 -11.22	31.29 2.07 -9.31	26.65 1.86 -5.66	26.96 1.69 -7.51	26.95 1.68 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.03 1.52 -9.29	27.47 1.54 -9.72	28.34 1.81 -8.10	33.47 1.74 -12.99	38.51 1.89 -16.27	38.10 2.17 -13.09	42.76 2.14 -15.41	34.67 2.12 -9.94	26.45 1.97 -3.03	22.71 1.31 -5.59
NSINS_S_GLNS_FALLS 23858	22.28 0.64 -6.34	20.62 0.59 -5.27	19.90 0.57 -5.50	19.73 0.59 -4.70	21.38 0.51 -7.73	22.36 0.65 -6.50	25.84 1.10 -4.00	33.93 0.93 -14.03	29.94 0.96 -9.07	23.51 0.96 -3.42	23.67 0.83 -5.08	25.60 0.84 -7.24	25.98 0.79 -7.92	26.77 0.72 -9.78	27.81 0.70 -10.89	28.02 0.68 -11.13	28.46 0.87 -9.16	34.65 0.96 -14.95	40.51 1.04 -19.13	37.42 1.19 -13.39	36.04 1.46 -9.37	31.84 1.27 -7.97	23.60 1.14 -1.01	23.82 0.73 -7.29
NUCOR_STEEL__DRP 24197	15.89 0.00 -0.59	15.21 -0.03 -0.49	14.33 -0.01 -0.51	14.79 -0.07 -0.43	13.77 -0.08 -0.71	15.74 -0.06 -0.60	21.23 0.12 -0.37	20.28 0.02 -1.30	20.61 -0.14 -0.84	19.28 -0.19 -0.34	18.02 -0.21 -0.47	18.02 -0.19 -0.69	17.84 -0.17 -0.75	17.00 -0.20 -0.92	17.06 -0.19 -1.03	17.05 -0.21 -1.06	19.12 -0.18 -0.87	19.94 -0.21 -1.41	22.10 -0.06 -1.81	24.12 0.05 -1.24	26.17 0.10 -0.86	23.47 0.14 -0.74	21.59 0.04 -0.09	16.51 0.03 -0.67
NUMBER_THREE_WT_PWR 323818	15.31 -0.18 -0.19	14.72 -0.19 -0.16	13.82 -0.18 -0.17	14.39 -0.19 -0.14	13.21 -0.16 -0.23	15.26 -0.14 -0.20	20.69 -0.17 -0.12	18.80 -0.17 0.00	19.55 -0.36 0.00	18.75 -0.38 0.00	17.33 -0.43 0.00	17.10 -0.42 0.00	16.87 -0.40 0.00	15.93 -0.34 0.00	15.83 -0.39 0.00	15.82 -0.39 0.00	18.03 -0.41 0.00	18.40 -0.34 0.00	20.69 -0.24 -0.59	23.03 -0.18 -0.38	25.45 -0.03 -0.27	22.69 -0.13 -0.23	21.24 -0.24 -0.03	15.82 -0.19 -0.21
NYISO_LBMP_REFERENCE 24008	15.30 0.00 0.00	14.76 0.00 0.00	13.84 0.00 0.00	14.43 0.00 0.00	13.14 0.00 0.00	15.20 0.00 0.00	20.74 0.00 0.00	18.97 0.00 0.00	19.91 0.00 0.00	19.13 0.00 0.00	17.76 0.00 0.00	17.52 0.00 0.00	17.27 0.00 0.00	16.27 0.00 0.00	16.22 0.00 0.00	16.21 0.00 0.00	18.43 0.00 0.00	18.74 0.00 0.00	20.35 0.00 0.00	22.84 0.00 0.00	25.21 0.00 0.00	22.60 0.00 0.00	21.45 0.00 0.00	15.80 0.00 0.00
NYPA_BRENTWD__GT 24164	24.83 1.50 -8.03	22.47 1.40 -6.31	19.36 1.32 -4.21	20.06 1.36 -4.27	20.29 1.23 -5.92	24.36 1.41 -7.75	29.91 2.03 -7.14	31.93 1.74 -11.22	31.33 2.11 -9.31	26.84 2.05 -5.66	27.12 1.85 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.98 1.71 -9.00	27.20 1.69 -9.29	27.61 1.69 -9.72	28.45 1.92 -8.10	33.60 1.87 -12.99	38.67 2.05 -16.27	38.23 2.31 -13.09	43.04 2.42 -15.41	34.76 2.22 -9.94	26.64 2.17 -3.03	22.90 1.50 -5.59
NYPA_GOWANUS__GT5 24156	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NYPA_GOWANUS__GT6 24157	21.33 1.18 -4.85	19.91 1.12 -4.04	19.07 1.02 -4.21	19.06 1.02 -3.60	20.00 0.95 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.42 1.23 -11.22	28.74 1.57 -7.25	23.98 1.66 -3.19	23.53 1.60 -4.17	25.32 1.61 -6.19	25.58 1.61 -6.71	26.08 1.53 -8.28	27.06 1.54 -9.29	27.31 1.54 -9.56	27.94 1.68 -7.83	32.93 1.61 -12.59	37.72 1.79 -15.58	35.09 1.99 -10.27	34.46 2.07 -7.18	30.57 1.85 -6.12	23.97 1.74 -0.78	22.65 1.25 -5.60
NYPA_HARLEM_RVR_GT1 24160	21.24 1.09 -4.85	19.81 1.02 -4.04	18.97 0.93 -4.21	18.96 0.92 -3.60	19.91 0.85 -5.92	21.04 0.87 -4.97	25.00 1.20 -3.06	31.30 1.12 -11.21	28.57 1.41 -7.24	23.81 1.49 -3.18	23.36 1.44 -4.17	25.14 1.44 -6.18	25.39 1.42 -6.70	25.89 1.35 -8.27	26.86 1.36 -9.28	27.10 1.34 -9.55	27.70 1.46 -7.81	32.72 1.41 -12.58	37.47 1.55 -15.58	34.79 1.69 -10.26	34.17 1.79 -7.18	30.29 1.58 -6.10	23.70 1.48 -0.76	22.47 1.08 -5.59
NYPA_HARLEM_RVR_GT2 24161	21.24 1.09 -4.85	19.81 1.02 -4.04	18.97 0.93 -4.21	18.96 0.92 -3.60	19.91 0.85 -5.92	21.04 0.87 -4.97	25.00 1.20 -3.06	31.30 1.12 -11.21	28.57 1.41 -7.24	23.81 1.49 -3.18	23.36 1.44 -4.17	25.14 1.44 -6.18	25.39 1.42 -6.70	25.89 1.35 -8.27	26.86 1.36 -9.28	27.10 1.34 -9.55	27.70 1.46 -7.81	32.72 1.41 -12.58	37.47 1.55 -15.58	34.79 1.69 -10.26	34.17 1.79 -7.18	30.29 1.58 -6.10	23.70 1.48 -0.76	22.47 1.08 -5.59
NYPA_KENT__GT 24152	21.30 1.15 -4.85	19.87 1.08 -4.04	19.04 1.00 -4.21	19.04 1.01 -3.60	19.97 0.92 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.44 1.25 -11.22	28.74 1.57 -7.25	23.95 1.63 -3.19	23.51 1.58 -4.17	25.29 1.58 -6.19	25.55 1.57 -6.71	26.03 1.48 -8.28	27.02 1.51 -9.29	27.26 1.49 -9.56	27.88 1.62 -7.82	32.90 1.57 -12.59	37.66 1.73 -15.58	35.03 1.92 -10.27	34.41 2.02 -7.18	30.53 1.81 -6.11	23.92 1.69 -0.78	22.60 1.20 -5.60
NYPA_POUCH1__GT 24155	21.46 1.30 -4.85	20.00 1.21 -4.04	19.15 1.11 -4.21	19.13 1.10 -3.60	20.07 1.01 -5.92	21.21 1.03 -4.98	25.17 1.37 -3.07	31.26 1.08 -11.21	28.68 1.51 -7.25	23.93 1.61 -3.19	23.49 1.56 -4.17	25.30 1.59 -6.19	25.56 1.59 -6.71	26.08 1.53 -8.28	27.04 1.52 -9.29	27.29 1.52 -9.56	27.94 1.68 -7.83	32.88 1.55 -12.59	37.61 1.69 -15.58	35.02 1.92 -10.26	34.33 1.94 -7.18	30.53 1.81 -6.12	23.99 1.76 -0.78	22.72 1.31 -5.60
NYPA_VERNON__GT2 24162	21.26 1.10 -4.85	19.84 1.05 -4.04	19.01 0.97 -4.21	19.01 0.98 -3.60	19.96 0.91 -5.92	21.15 0.97 -4.98	25.15 1.35 -3.07	31.44 1.25 -11.22	28.72 1.55 -7.25	23.93 1.61 -3.19	23.48 1.54 -4.17	25.25 1.54 -6.19	25.50 1.52 -6.71	25.99 1.45 -8.27	26.97 1.46 -9.29	27.22 1.46 -9.56	27.84 1.59 -7.82	32.86 1.54 -12.59	37.62 1.69 -15.58	34.96 1.85 -10.27	34.36 1.97 -7.18	30.45 1.74 -6.11	23.85 1.63 -0.77	22.57 1.17 -5.59

NYPA_VERNON____GT3 24163	21.26	19.84	19.01	19.01	19.96	21.15	25.15	31.44	28.72	23.93	23.48	25.25	25.50	25.99	26.97	27.22	27.84	32.86	37.62	34.96	34.36	30.45	23.85	22.57
	1.10	1.05	0.97	0.98	0.91	0.97	1.35	1.25	1.55	1.61	1.54	1.54	1.52	1.45	1.46	1.46	1.59	1.54	1.69	1.85	1.97	1.74	1.63	1.17
	-4.85	-4.04	-4.21	-3.60	-5.92	-4.98	-3.07	-11.22	-7.25	-3.19	-4.17	-6.19	-6.71	-8.27	-9.29	-9.56	-7.82	-12.59	-15.58	-10.27	-7.18	-6.11	-0.77	-5.59
NYPA____ASTORIA_CC1 323568	21.24	19.82	19.00	19.00	19.93	21.14	25.11	31.40	28.68	23.89	23.46	25.23	25.48	25.96	26.94	27.19	27.80	32.82	37.58	34.91	34.31	30.41	23.81	22.54
	1.09	1.03	0.95	0.97	0.88	0.96	1.31	1.22	1.51	1.57	1.53	1.52	1.50	1.41	1.43	1.43	1.55	1.50	1.65	1.80	1.91	1.70	1.59	1.14
	-4.85	-4.04	-4.21	-3.60	-5.92	-4.98	-3.07	-11.22	-7.25	-3.19	-4.17	-6.19	-6.71	-8.27	-9.29	-9.56	-7.82	-12.59	-15.58	-10.27	-7.18	-6.11	-0.77	-5.59
NYPA____ASTORIA_CC2 323569	21.24	19.82	19.00	19.00	19.93	21.14	25.11	31.40	28.68	23.89	23.46	25.23	25.48	25.96	26.94	27.19	27.80	32.82	37.58	34.91	34.31	30.41	23.81	22.54
	1.09	1.03	0.95	0.97	0.88	0.96	1.31	1.22	1.51	1.57	1.53	1.52	1.50	1.41	1.43	1.43	1.55	1.50	1.65	1.80	1.91	1.70	1.59	1.14
	-4.85	-4.04	-4.21	-3.60	-5.92	-4.98	-3.07	-11.22	-7.25	-3.19	-4.17	-6.19	-6.71	-8.27	-9.29	-9.56	-7.82	-12.59	-15.58	-10.27	-7.18	-6.11	-0.77	-5.59
NYPA____HOLTSVILL 23794	24.84	22.45	19.35	20.04	20.28	24.34	29.91	31.97	31.35	26.82	27.10	27.11	26.67	26.96	27.15	27.58	28.44	33.56	38.61	38.19	42.94	34.72	26.58	22.84
	1.52	1.39	1.30	1.34	1.22	1.40	2.03	1.78	2.13	2.03	1.83	1.84	1.81	1.69	1.64	1.65	1.90	1.84	2.00	2.26	2.32	2.17	2.10	1.44
	-8.03	-6.31	-4.21	-4.27	-5.92	-7.75	-7.14	-11.22	-9.31	-5.66	-7.51	-7.74	-7.59	-9.00	-9.29	-9.72	-8.10	-12.99	-16.27	-13.09	-15.41	-9.94	-3.03	-5.59
NYPA____HELLGATE_GT1 24158	21.24	19.81	18.97	18.96	19.91	21.04	25.00	31.30	28.57	23.81	23.36	25.14	25.39	25.89	26.86	27.10	27.70	32.72	37.47	34.79	34.17	30.29	23.70	22.47
	1.09	1.02	0.93	0.92	0.85	0.87	1.20	1.12	1.41	1.49	1.44	1.44	1.42	1.35	1.36	1.34	1.46	1.41	1.55	1.69	1.79	1.58	1.48	1.08
	-4.85	-4.04	-4.21	-3.60	-5.92	-4.97	-3.06	-11.21	-7.24	-3.18	-4.17	-6.18	-6.70	-8.27	-9.28	-9.55	-7.81	-12.58	-15.58	-10.26	-7.18	-6.10	-0.76	-5.59
NYPA____HELLGATE_GT2 24159	21.24	19.81	18.97	18.96	19.91	21.04	25.00	31.30	28.57	23.81	23.36	25.14	25.39	25.89	26.86	27.10	27.70	32.72	37.47	34.79	34.17	30.29	23.70	22.47
	1.09	1.02	0.93	0.92	0.85	0.87	1.20	1.12	1.41	1.49	1.44	1.44	1.42	1.35	1.36	1.34	1.46	1.41	1.55	1.69	1.79	1.58	1.48	1.08
	-4.85	-4.04	-4.21	-3.60	-5.92	-4.97	-3.06	-11.21	-7.24	-3.18	-4.17	-6.18	-6.70	-8.27	-9.28	-9.55	-7.81	-12.58	-15.58	-10.26	-7.18	-6.10	-0.76	-5.59
NYS_BARGE____HYD 23848	15.32	14.62	13.87	14.32	13.35	15.12	20.31	18.24	18.81	17.90	16.66	16.51	16.23	15.30	15.22	15.21	17.22	17.59	20.80	22.47	24.05	21.81	20.13	15.85
	-0.69	-0.72	-0.58	-0.63	-0.64	-0.81	-0.87	-1.14	-1.37	-1.34	-1.24	-1.23	-1.28	-1.27	-1.33	-1.33	-1.49	-1.59	-1.73	-1.85	-2.19	-1.67	-1.44	-0.76
	-0.71	-0.59	-0.61	-0.52	-0.86	-0.72	-0.45	-0.41	-0.27	-0.11	-0.15	-0.22	-0.24	-0.29	-0.33	-0.34	-0.28	-0.45	-2.18	-1.48	-1.03	-0.88	-0.11	-0.80
OAK ORCHARD____HYD 24046	15.58	14.87	14.05	14.54	13.51	15.40	20.78	18.75	19.40	18.46	17.14	16.97	16.76	15.80	15.74	15.74	17.84	18.22	21.35	23.22	25.10	22.58	20.86	16.15
	-0.32	-0.38	-0.30	-0.33	-0.35	-0.41	-0.33	-0.57	-0.74	-0.77	-0.75	-0.74	-0.71	-0.72	-0.76	-0.75	-0.83	-0.90	-0.84	-0.87	-0.98	-0.77	-0.69	-0.33
	-0.60	-0.50	-0.52	-0.44	-0.73	-0.61	-0.38	-0.35	-0.22	-0.09	-0.13	-0.18	-0.20	-0.25	-0.28	-0.28	-0.23	-0.38	-1.84	-1.25	-0.88	-0.74	-0.09	-0.68
OAKDALE__35_KV_LOAD 356122	16.84	15.99	15.13	15.53	14.91	16.71	21.84	22.11	21.74	19.66	18.61	18.92	18.80	18.23	18.43	18.48	20.27	21.88	24.77	25.96	27.42	24.53	21.75	17.54
	0.09	0.03	0.04	0.03	0.01	0.03	0.19	-0.06	-0.24	-0.31	-0.32	-0.30	-0.31	-0.33	-0.34	-0.34	-0.31	-0.34	-0.04	0.07	0.08	0.11	0.06	0.08
	-1.44	-1.20	-1.25	-1.07	-1.76	-1.48	-0.91	-3.20	-2.07	-0.83	-1.17	-1.70	-1.85	-2.28	-2.55	-2.61	-2.15	-3.48	-4.47	-3.05	-2.13	-1.81	-0.23	-1.66
OCC_CHEM____DRP 24175	15.21	14.39	13.66	14.11	13.15	14.87	19.99	19.05	19.19	17.88	16.81	16.84	16.63	15.86	15.88	15.90	17.76	18.58	20.41	22.17	23.73	21.53	19.82	15.63
	-0.78	-0.94	-0.77	-0.84	-0.83	-1.03	-1.18	-1.44	-1.71	-1.65	-1.51	-1.49	-1.52	-1.50	-1.56	-1.56	-1.70	-1.82	-2.08	-2.12	-2.50	-1.94	-1.74	-0.96
	-0.69	-0.57	-0.60	-0.51	-0.84	-0.71	-0.44	-1.53	-0.99	-0.40	-0.56	-0.81	-0.88	-1.09	-1.22	-1.25	-1.03	-1.66	-2.14	-1.46	-1.02	-0.87	-0.11	-0.79
OH_GEN_PROXY 24063	15.30	14.60	13.85	14.30	13.35	15.10	20.30	18.23	18.77	17.86	16.65	16.50	16.23	15.30	15.23	15.22	17.22	17.60	20.85	22.51	24.09	21.80	20.13	15.86
	-0.72	-0.75	-0.61	-0.66	-0.66	-0.84	-0.89	-1.16	-1.41	-1.38	-1.26	-1.24	-1.28	-1.27	-1.33	-1.33	-1.49	-1.59	-1.71	-1.83	-2.17	-1.70	-1.44	-0.76
	-0.72	-0.60	-0.62	-0.53	-0.87	-0.74	-0.45	-0.42	-0.27	-0.11	-0.15	-0.22	-0.24	-0.30	-0.33	-0.34	-0.28	-0.46	-2.21	-1.50	-1.05	-0.89	-0.11	-0.82
OLIN_CORP_DRP 24177	15.27	14.44	13.72	14.16	13.20	14.93	20.03	19.11	19.25	17.92	16.84	16.88	16.66	15.90	15.92	15.93	17.80	18.62	20.47	22.22	23.78	21.57	19.85	15.65
	-0.72	-0.89	-0.72	-0.78	-0.77	-0.97	-1.14	-1.38	-1.65	-1.61	-1.47	-1.45	-1.48	-1.46	-1.52	-1.52	-1.66	-1.78	-2.01	-2.08	-2.45	-1.90	-1.72	-0.95
	-0.69	-0.57	-0.60	-0.51	-0.84	-0.71	-0.44	-1.53	-0.99	-0.40	-0.56	-0.81	-0.88	-1.09	-1.22	-1.25	-1.03	-1.66	-2.14	-1.46	-1.02	-0.87	-0.11	-0.79
OLIN_CORP_DSASP 323712	15.12	14.41	13.69	14.13	13.19	14.90	20.03	17.95	18.47	17.60	16.40	16.26	15.97	15.06	14.99	14.98	16.93	17.30	20.56	22.16	23.67	21.47	19.83	15.66
	-0.90	-0.94	-0.77	-0.84	-0.83	-1.03	-1.16	-1.44	-1.71	-1.65	-1.51	-1.49	-1.54	-1.51	-1.57	-1.57	-1.79	-1.89	-2.01	-2.19	-2.60	-2.03	-1.74	-0.96
	-0.72	-0.60	-0.63	-0.54	-0.88	-0.74	-0.46	-0.42	-0.27	-0.11	-0.15	-0.22	-0.24	-0.30	-0.34	-0.34	-0.28	-0.46	-2.23	-1.51	-1.06	-0.90	-0.11	-0.82
ONEIDA_HERK_LFGE 323681	15.49	14.93	14.01	14.59	13.37	15.45	20.97	19.08	19.91	19.09	17.67	17.43	17.20	16.22	16.14	16.13	18.36	18.72	20.95	23.30	25.74	22.97	21.56	16.01
	0.02	0.03	0.03	0.03	0.03	0.08	0.13	0.11	0.00	-0.04	-0.09	-0.09	-0.07	-0.05	-0.08	-0.08	-0.07	-0.02	0.08	0.14	0.30	0.18	0.09	0.03
	-0.17	-0.14	-0.15	-0.12	-0.21	-0.17	-0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.52	-0.32	-0.22	-0.19	-0.02	-0.18
ONEIDA____115KV_TB4 55905	15.83	15.18	14.26	14.81	13.64	15.71	21.29	19.97	20.59	19.51	18.11	17.98	17.78	16.88	16.82	16.81	19.02	19.62	21.61	23.93	26.33	23.52	21.93	16.40
	0.24	0.19	0.18	0.17	0.16	0.23	0.37	0.38	0.28	0.21	0.12	0.12	0.16	0.16	0.10	0.10	0.17	0.21	0.39	0.50	0.71	0.57	0.43	0.27
	-0.28	-0.23	-0.24	-0.21	-0.34	-0.29	-0.18	-0.62	-0.40	-0.16	-0.23	-0.33	-0.36	-0.45	-0.50	-0.51	-0.42	-0.68	-0.87	-0.59	-0.42	-0.35	-0.04	-0.32

ONONDAGA_REF_OCCRA 23987	15.71 -0.14 -0.55	15.04 -0.18 -0.46	14.15 -0.17 -0.48	14.65 -0.19 -0.41	13.62 -0.18 -0.67	15.56 -0.20 -0.56	20.96 -0.12 -0.35	19.96 -0.23 -1.22	20.36 -0.34 -0.79	19.08 -0.36 -0.32	17.83 -0.37 -0.45	17.82 -0.35 -0.64	17.64 -0.33 -0.70	16.80 -0.34 -0.87	16.85 -0.34 -0.97	16.86 -0.34 -0.99	18.90 -0.35 -0.82	19.69 -0.37 -1.32	21.78 -0.26 -1.70	23.82 -0.18 -1.16	25.82 -0.20 -0.81	23.16 -0.14 -0.69	21.35 -0.19 -0.09	16.28 -0.16 -0.63
ONONDAGA___COGEN 23986	15.65 -0.15 -0.50	14.98 -0.19 -0.42	14.11 -0.17 -0.44	14.60 -0.20 -0.37	13.55 -0.20 -0.61	15.52 -0.20 -0.52	20.89 -0.17 -0.32	19.83 -0.25 -1.11	20.29 -0.34 -0.72	19.04 -0.38 -0.29	17.79 -0.37 -0.41	17.76 -0.35 -0.59	17.56 -0.35 -0.64	16.72 -0.34 -0.79	16.77 -0.34 -0.89	16.76 -0.36 -0.91	18.83 -0.35 -0.75	19.57 -0.37 -1.21	21.61 -0.28 -1.55	23.67 -0.23 -1.06	25.72 -0.23 -0.74	23.08 -0.16 -0.63	21.32 -0.21 -0.08	16.22 -0.16 -0.58
ONTARIO___LFGE 23819	15.94 -0.05 -0.68	15.28 -0.04 -0.57	14.42 -0.01 -0.59	14.91 -0.03 -0.51	13.92 -0.05 -0.83	15.88 -0.02 -0.70	21.34 0.17 -0.43	19.37 0.00 -0.40	19.99 -0.18 -0.26	18.97 -0.27 -0.10	17.62 -0.28 -0.15	17.45 -0.28 -0.21	17.22 -0.28 -0.23	16.28 -0.28 -0.28	16.23 -0.31 -0.32	16.22 -0.31 -0.32	18.40 -0.30 -0.27	18.87 -0.30 -0.43	22.32 -0.14 -2.11	24.21 -0.07 -1.44	26.14 -0.08 -1.01	23.46 0.00 -0.86	21.50 -0.06 -0.11	16.58 -0.02 -0.79
ORANGEVILLE_WT_PWR 323706	15.82 -0.34 -0.85	15.06 -0.40 -0.71	14.28 -0.29 -0.74	14.73 -0.33 -0.63	13.82 -0.35 -1.04	15.61 -0.46 -0.87	20.92 -0.35 -0.54	18.95 -0.51 -0.50	19.50 -0.74 -0.32	18.51 -0.75 -0.13	17.23 -0.71 -0.18	17.10 -0.68 -0.26	16.81 -0.74 -0.29	15.88 -0.75 -0.35	15.79 -0.83 -0.40	15.79 -0.83 -0.41	17.86 -0.90 -0.33	18.32 -0.95 -0.54	21.93 -1.04 -2.63	23.54 -1.07 -1.78	25.17 -1.28 -1.24	22.73 -0.93 -1.06	20.79 -0.79 -0.13	16.41 -0.36 -0.97
ORANGEVILLE___ESR 323794	15.82 -0.34 -0.85	15.06 -0.40 -0.71	14.28 -0.29 -0.74	14.73 -0.33 -0.63	13.82 -0.35 -1.04	15.61 -0.46 -0.87	20.92 -0.35 -0.54	18.95 -0.51 -0.50	19.50 -0.74 -0.32	18.51 -0.75 -0.13	17.23 -0.71 -0.18	17.10 -0.68 -0.26	16.81 -0.74 -0.29	15.88 -0.75 -0.35	15.79 -0.83 -0.40	15.79 -0.83 -0.41	17.86 -0.90 -0.33	18.32 -0.95 -0.54	21.93 -1.04 -2.63	23.54 -1.07 -1.78	25.17 -1.28 -1.24	22.73 -0.93 -1.06	20.79 -0.79 -0.13	16.41 -0.36 -0.97
OSWEGATCHIE___HYD 24044	14.95 -0.49 -0.14	14.39 -0.49 -0.12	13.49 -0.47 -0.12	14.07 -0.46 -0.11	12.90 -0.41 -0.17	14.90 -0.44 -0.15	20.16 -0.66 -0.09	18.38 -0.59 0.00	19.12 -0.80 0.00	18.39 -0.75 0.00	17.01 -0.75 0.00	16.79 -0.74 0.00	16.54 -0.72 0.00	15.62 -0.65 0.00	15.56 -0.67 0.00	15.54 -0.67 0.00	17.66 -0.77 0.00	18.04 -0.69 0.00	20.07 -0.71 -0.44	22.37 -0.75 -0.28	24.68 -0.73 -0.20	22.00 -0.77 -0.17	20.66 -0.82 -0.02	15.39 -0.57 -0.16
OSWEGO___5 23606	15.26 -0.46 -0.41	14.64 -0.46 -0.34	13.78 -0.41 -0.36	14.29 -0.45 -0.31	13.22 -0.42 -0.51	15.15 -0.47 -0.43	20.44 -0.56 -0.26	18.60 -0.61 -0.24	19.35 -0.72 -0.15	18.47 -0.73 -0.06	17.15 -0.69 -0.09	16.98 -0.67 -0.13	16.75 -0.66 -0.14	15.81 -0.63 -0.17	15.76 -0.65 -0.19	15.75 -0.65 -0.19	17.87 -0.72 -0.16	18.25 -0.75 -0.26	20.94 -0.69 -1.28	23.01 -0.71 -0.88	25.04 -0.78 -0.61	22.47 -0.66 -0.52	20.87 -0.64 -0.07	15.82 -0.46 -0.48
OSWEGO___6 23613	15.26 -0.46 -0.41	14.64 -0.46 -0.34	13.78 -0.41 -0.36	14.29 -0.45 -0.31	13.22 -0.42 -0.51	15.15 -0.47 -0.43	20.44 -0.56 -0.26	18.60 -0.61 -0.24	19.35 -0.72 -0.15	18.47 -0.73 -0.06	17.15 -0.69 -0.09	16.98 -0.67 -0.13	16.75 -0.66 -0.14	15.81 -0.63 -0.17	15.76 -0.65 -0.19	15.75 -0.65 -0.19	17.87 -0.72 -0.16	18.25 -0.75 -0.26	20.94 -0.69 -1.28	23.01 -0.71 -0.88	25.04 -0.78 -0.61	22.47 -0.66 -0.52	20.87 -0.64 -0.07	15.82 -0.46 -0.48
OUTOKUMPU-AB___DRP 24206	15.56 -0.44 -0.70	14.72 -0.62 -0.58	13.97 -0.47 -0.61	14.42 -0.53 -0.52	13.44 -0.55 -0.85	15.20 -0.71 -0.72	20.45 -0.73 -0.44	19.59 -0.93 -1.55	19.76 -1.15 -1.00	18.41 -1.13 -0.40	17.26 -1.07 -0.57	17.31 -1.03 -0.82	17.07 -1.09 -0.89	16.28 -1.09 -1.10	16.29 -1.17 -1.23	16.30 -1.17 -1.26	18.24 -1.24 -1.04	19.07 -1.35 -1.68	20.92 -1.59 -2.16	22.71 -1.60 -1.48	24.37 -1.87 -1.03	22.10 -1.38 -0.88	20.32 -1.24 -0.11	15.98 -0.63 -0.80
OXBOW___ 24026	15.33 -0.70 -0.73	14.61 -0.75 -0.61	13.87 -0.59 -0.63	14.32 -0.65 -0.54	13.35 -0.67 -0.89	15.11 -0.84 -0.75	20.31 -0.89 -0.46	18.24 -1.16 -0.43	18.79 -1.39 -0.28	17.90 -1.34 -0.11	16.67 -1.24 -0.16	16.52 -1.23 -0.23	16.23 -1.28 -0.25	15.30 -1.27 -0.30	15.21 -1.35 -0.34	15.21 -1.34 -0.35	17.21 -1.51 -0.29	17.59 -1.61 -0.46	20.84 -1.75 -2.25	22.49 -1.87 -1.52	24.06 -2.22 -1.07	21.81 -1.70 -0.91	20.13 -1.44 -0.11	15.88 -0.76 -0.83
OXY_CHEM_DSASP 323612	15.12 -0.90 -0.72	14.41 -0.94 -0.60	13.69 -0.77 -0.63	14.13 -0.84 -0.54	13.19 -0.83 -0.88	14.90 -1.03 -0.74	20.03 -1.16 -0.46	17.95 -1.44 -0.42	18.47 -1.71 -0.27	17.60 -1.65 -0.11	16.40 -1.51 -0.15	16.26 -1.49 -0.22	15.97 -1.54 -0.24	15.06 -1.51 -0.30	14.99 -1.57 -0.34	14.98 -1.57 -0.34	16.93 -1.79 -0.28	17.30 -1.89 -0.46	20.56 -2.01 -2.23	22.16 -2.19 -1.51	23.67 -2.60 -1.06	21.47 -2.03 -0.90	19.83 -1.74 -0.11	15.66 -0.96 -0.82
OZONE_PARK_ESR 323760	21.31 1.16 -4.85	19.92 1.14 -4.03	19.09 1.05 -4.20	19.11 1.08 -3.60	20.03 0.99 -5.91	21.28 1.11 -4.97	25.36 1.56 -3.06	31.14 1.44 -10.73	28.58 1.73 -6.94	23.97 1.76 -3.08	23.44 1.69 -4.00	25.14 1.68 -5.94	25.35 1.64 -6.44	25.77 1.56 -7.94	26.69 1.56 -8.91	26.91 1.52 -9.18	27.62 1.68 -7.50	32.46 1.65 -12.07	37.77 1.83 -15.59	35.11 2.03 -10.24	34.54 2.17 -7.16	30.62 1.92 -6.09	24.07 1.84 -0.77	22.68 1.30 -5.58
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	15.21 -0.78 -0.69	14.39 -0.94 -0.57	13.66 -0.77 -0.60	14.11 -0.84 -0.51	13.15 -0.83 -0.84	14.87 -1.03 -0.71	19.99 -1.18 -0.44	19.05 -1.44 -1.53	19.19 -1.71 -0.99	17.88 -1.65 -0.40	16.81 -1.51 -0.56	16.84 -1.49 -0.81	16.63 -1.52 -0.88	15.86 -1.50 -1.09	15.88 -1.56 -1.22	15.90 -1.56 -1.25	17.76 -1.70 -1.03	18.58 -1.82 -1.66	20.41 -2.08 -2.14	22.17 -2.12 -1.46	23.73 -2.50 -1.02	21.53 -1.94 -0.87	19.82 -1.74 -0.11	15.63 -0.96 -0.79
PACKARD__115KV_DUPONT_184 80571	15.21 -0.78 -0.69	14.39 -0.94 -0.57	13.66 -0.77 -0.60	14.11 -0.84 -0.51	13.15 -0.83 -0.84	14.87 -1.03 -0.71	19.99 -1.18 -0.44	19.05 -1.44 -1.53	19.19 -1.71 -0.99	17.88 -1.65 -0.40	16.81 -1.51 -0.56	16.84 -1.49 -0.81	16.63 -1.52 -0.88	15.86 -1.50 -1.09	15.88 -1.56 -1.22	15.90 -1.56 -1.25	17.76 -1.70 -1.03	18.58 -1.82 -1.66	20.41 -2.08 -2.14	22.17 -2.12 -1.46	23.73 -2.50 -1.02	21.53 -1.94 -0.87	19.82 -1.74 -0.11	15.63 -0.96 -0.79
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	21.21 1.06 -4.85	19.82 1.03 -4.03	18.98 0.94 -4.20	18.98 0.95 -3.60	19.91 0.87 -5.91	21.07 0.90 -4.97	25.04 1.24 -3.06	30.84 1.14 -10.73	28.28 1.43 -6.94	23.72 1.51 -3.08	23.21 1.46 -4.00	24.92 1.45 -5.94	25.14 1.43 -6.44	25.58 1.37 -7.94	26.48 1.35 -8.91	26.70 1.31 -9.18	27.38 1.44 -7.50	32.18 1.37 -12.07	37.49 1.55 -15.60	34.77 1.69 -10.24	34.14 1.76 -7.16	30.25 1.56 -6.09	23.72 1.50 -0.77	22.49 1.11 -5.58

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	21.25 1.10 -4.85	19.86 1.08 -4.03	19.04 1.00 -4.20	19.02 1.00 -3.60	19.98 0.93 -5.91	21.13 0.96 -4.97	25.04 1.24 -3.06	30.84 1.14 -10.73	28.26 1.41 -6.94	23.68 1.47 -3.08	23.19 1.44 -4.00	24.93 1.47 -5.94	25.16 1.45 -6.44	25.58 1.37 -7.94	26.50 1.36 -8.91	26.71 1.33 -9.18	27.38 1.44 -7.50	32.20 1.39 -12.07	37.51 1.57 -15.60	34.81 1.74 -10.24	34.19 1.82 -7.16	30.34 1.65 -6.09	23.81 1.59 -0.77	22.57 1.19 -5.58
PATROON__115KV_TB1 80586	21.75 0.31 -6.14	20.16 0.30 -5.10	19.45 0.29 -5.32	19.30 0.32 -4.55	20.90 0.28 -7.49	21.83 0.33 -6.30	25.05 0.44 -3.88	32.88 0.32 -13.59	29.11 0.42 -8.78	22.80 0.40 -3.26	23.01 0.36 -4.90	24.83 0.35 -6.96	25.26 0.36 -7.63	26.02 0.33 -9.42	27.03 0.32 -10.48	27.23 0.32 -10.70	27.66 0.41 -8.82	33.56 0.41 -14.41	39.18 0.43 -18.41	36.31 0.50 -12.97	34.83 0.55 -9.07	30.81 0.50 -7.71	22.90 0.47 -0.98	23.12 0.25 -7.06
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	15.54 -0.52 -0.76	14.71 -0.68 -0.63	13.94 -0.55 -0.66	14.40 -0.59 -0.56	13.44 -0.62 -0.92	15.23 -0.74 -0.78	20.49 -0.73 -0.48	20.11 -0.53 -1.67	20.22 -0.78 -1.08	18.82 -0.75 -0.44	17.66 -0.71 -0.61	17.73 -0.68 -0.89	17.49 -0.74 -0.97	16.70 -0.76 -1.19	16.74 -0.81 -1.33	16.76 -0.81 -1.37	18.73 -0.83 -1.12	19.64 -0.92 -1.82	21.26 -1.42 -2.34	22.97 -1.46 -1.60	24.64 -1.69 -1.12	22.26 -1.29 -0.95	20.35 -1.22 -0.12	16.03 -0.65 -0.87
PAWLING_115_KV_BK3_REV_LBMP_H 345028	21.10 0.93 -4.86	19.72 0.91 -4.05	18.91 0.86 -4.22	18.94 0.89 -3.61	19.91 0.84 -5.93	21.16 0.97 -4.99	25.16 1.35 -3.07	30.91 1.18 -10.77	28.33 1.45 -6.96	23.52 1.34 -3.05	23.09 1.33 -4.01	24.77 1.31 -5.93	25.01 1.31 -6.44	25.44 1.24 -7.93	26.34 1.22 -8.90	26.60 1.23 -9.16	27.35 1.42 -7.49	32.19 1.39 -12.07	37.49 1.57 -15.58	34.85 1.74 -10.28	34.21 1.82 -7.19	30.30 1.58 -6.11	23.68 1.46 -0.77	22.44 1.04 -5.60
PEEKSKILL____ 23653	21.04 0.93 -4.80	19.63 0.89 -3.99	18.82 0.82 -4.16	18.85 0.85 -3.56	19.78 0.79 -5.85	21.02 0.90 -4.93	25.02 1.24 -3.03	31.21 1.14 -11.11	28.46 1.37 -7.18	23.65 1.36 -3.16	23.20 1.31 -4.13	24.96 1.31 -6.12	25.20 1.30 -6.64	25.68 1.22 -8.19	26.64 1.23 -9.19	26.89 1.23 -9.46	27.55 1.38 -7.74	32.54 1.35 -12.46	37.24 1.48 -15.41	34.64 1.65 -10.16	34.08 1.76 -7.11	30.18 1.54 -6.04	23.63 1.42 -0.76	22.33 1.00 -5.53
PGE MADISON__WINDPWR 24146	18.65 1.53 -1.81	17.83 1.56 -1.51	16.85 1.44 -1.57	17.28 1.50 -1.35	16.77 1.42 -2.21	18.82 1.76 -1.86	24.41 2.53 -1.15	24.24 2.07 -3.21	23.50 1.51 -2.07	21.11 1.15 -0.83	19.69 0.76 -1.17	19.97 0.75 -1.70	19.95 0.83 -1.85	19.35 0.80 -2.29	19.41 0.63 -2.55	19.53 0.71 -2.62	21.58 0.99 -2.15	23.48 1.26 -3.49	27.86 1.91 -5.60	27.01 1.44 -2.73	29.01 1.89 -1.91	25.77 1.54 -1.63	22.97 1.31 -0.21	18.23 0.93 -1.49
PIERCEFIELD__HYD 23852	14.90 -0.47 -0.07	14.40 -0.41 -0.06	13.48 -0.42 -0.06	14.11 -0.38 -0.05	12.89 -0.33 -0.09	14.91 -0.36 -0.07	20.02 -0.77 -0.04	18.52 -0.61 -0.16	19.22 -0.80 -0.10	18.48 -0.69 -0.04	17.14 -0.67 -0.06	16.94 -0.67 -0.08	16.67 -0.69 -0.09	15.78 -0.60 -0.11	15.78 -0.57 -0.12	15.78 -0.55 -0.13	17.80 -0.74 -0.11	18.23 -0.67 -0.17	19.85 -0.71 -0.22	22.14 -0.84 -0.15	24.38 -0.93 -0.10	21.72 -0.97 -0.09	20.52 -0.94 -0.01	15.27 -0.62 -0.08
PINELAWN_CC_1 323563	24.77 1.44 -8.03	22.40 1.33 -6.31	19.29 1.25 -4.21	19.97 1.27 -4.27	20.22 1.17 -5.92	24.28 1.34 -7.75	29.81 1.93 -7.14	31.88 1.69 -11.22	31.23 2.01 -9.31	26.76 1.97 -5.66	27.06 1.79 -7.51	27.05 1.79 -7.74	26.62 1.76 -7.59	26.93 1.66 -9.00	27.16 1.66 -9.29	27.58 1.65 -9.72	28.38 1.84 -8.10	33.54 1.82 -12.99	38.61 2.00 -16.27	38.17 2.24 -13.09	42.99 2.37 -15.41	34.69 2.15 -9.94	26.58 2.10 -3.03	22.85 1.45 -5.59
PJM_GEN_HTP_PROXY 323702	21.23 1.07 -4.85	19.81 1.02 -4.03	18.99 0.94 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.21 1.51 -6.19	25.46 1.49 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.28	27.17 1.41 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.58	37.58 1.65 -15.58	34.93 1.83 -10.27	34.33 1.94 -7.18	30.45 1.74 -6.11	23.85 1.63 -0.77	22.55 1.15 -5.59
PJM_GEN_KEystone 24065	18.49 0.23 -2.96	17.42 0.21 -2.46	16.61 0.21 -2.57	16.83 0.20 -2.19	16.93 0.18 -3.61	18.42 0.18 -3.03	23.00 0.39 -1.87	25.38 0.30 -6.11	24.16 0.30 -3.95	21.17 0.31 -1.73	20.33 0.30 -2.27	21.18 0.30 -3.36	21.21 0.29 -3.65	21.03 0.26 -4.50	21.51 0.24 -5.05	21.64 0.24 -5.19	22.98 0.29 -4.25	25.82 0.24 -6.84	30.06 0.26 -9.45	29.38 0.30 -6.25	29.86 0.28 -4.37	26.62 0.29 -3.72	22.20 0.28 -0.47	19.49 0.28 -3.40
PJM_GEN_NEPTUNE_PROXY 323594	23.18 1.26 -6.62	21.24 1.18 -5.30	19.14 1.09 -4.21	19.53 1.13 -3.97	20.09 1.04 -5.92	22.91 1.19 -6.52	27.74 1.66 -5.34	31.65 1.46 -11.22	30.08 1.77 -8.40	25.46 1.76 -4.57	25.41 1.62 -6.04	26.19 1.61 -7.06	26.06 1.59 -7.20	26.44 1.50 -8.68	27.00 1.49 -9.29	27.35 1.49 -9.65	28.07 1.66 -7.98	33.18 1.63 -12.81	38.08 1.77 -15.97	36.67 1.99 -11.84	39.10 2.12 -11.77	32.75 1.90 -8.25	25.33 1.85 -2.03	22.68 1.28 -5.59
PJM_GEN_VFT_PROXY 323633	21.18 1.03 -4.85	19.78 0.99 -4.04	18.97 0.93 -4.21	18.98 0.95 -3.60	19.91 0.85 -5.92	21.14 0.96 -4.98	25.09 1.29 -3.07	31.42 1.23 -11.22	28.66 1.49 -7.25	23.89 1.57 -3.19	23.42 1.49 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.91 1.37 -8.27	26.87 1.36 -9.28	27.12 1.36 -9.56	27.73 1.48 -7.82	32.75 1.42 -12.59	37.47 1.55 -15.58	34.80 1.69 -10.27	34.23 1.84 -7.18	30.36 1.65 -6.11	23.77 1.55 -0.77	22.50 1.11 -5.59
PLATSBRG_115KV_PMLD1 355749	15.67 0.34 -0.03	15.15 0.37 -0.02	14.17 0.30 -0.03	14.87 0.42 -0.02	13.58 0.41 -0.04	15.76 0.53 -0.03	21.59 0.83 -0.02	19.89 0.85 -0.07	20.69 0.74 -0.04	19.95 0.80 -0.02	18.51 0.73 -0.02	18.22 0.67 -0.03	17.91 0.60 -0.04	16.90 0.59 -0.05	16.89 0.62 -0.05	16.89 0.63 -0.05	19.22 0.74 -0.04	19.69 0.88 -0.07	21.37 0.94 -0.09	23.97 1.07 -0.06	26.29 1.03 -0.04	23.36 0.72 -0.04	22.08 0.62 0.00	16.23 0.40 -0.03
PLEASANTVLY__LBMP 24000	21.15 0.77 -5.08	19.75 0.77 -4.22	18.96 0.72 -4.41	18.94 0.74 -3.77	20.00 0.67 -6.20	21.17 0.76 -5.21	25.03 1.08 -3.21	31.20 0.99 -11.25	28.36 1.17 -7.27	23.53 1.17 -3.23	23.07 1.12 -4.19	24.86 1.10 -6.23	25.11 1.09 -6.76	25.63 1.03 -8.33	26.60 1.02 -9.35	26.86 1.02 -9.63	27.45 1.14 -7.88	32.51 1.11 -12.67	37.93 1.22 -16.37	34.94 1.37 -10.73	34.18 1.46 -7.51	30.30 1.31 -6.38	23.50 1.24 -0.81	22.52 0.87 -5.84
PLSNTVLE_13_KV_13.8KVDIST 80602	21.10 0.92 -4.88	19.73 0.91 -4.06	18.91 0.84 -4.23	18.93 0.88 -3.62	19.90 0.81 -5.95	21.13 0.93 -5.01	25.11 1.29 -3.08	30.95 1.18 -10.80	28.29 1.39 -6.98	23.63 1.40 -3.10	23.13 1.35 -4.03	24.85 1.35 -5.98	25.08 1.33 -6.49	25.52 1.25 -7.99	26.45 1.25 -8.98	26.70 1.25 -9.24	27.37 1.38 -7.56	32.24 1.35 -12.16	37.54 1.49 -15.70	34.81 1.67 -10.31	34.18 1.76 -7.21	30.30 1.56 -6.13	23.71 1.48 -0.78	22.46 1.04 -5.61

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	21.10 0.92 -4.88	19.73 0.91 -4.06	18.91 0.84 -4.23	18.93 0.88 -3.62	19.90 0.81 -5.95	21.13 0.93 -5.01	25.11 1.29 -3.08	30.95 1.18 -10.80	28.29 1.39 -6.98	23.63 1.40 -3.10	23.13 1.35 -4.03	24.85 1.35 -5.98	25.08 1.33 -6.49	25.52 1.25 -7.99	26.45 1.25 -8.98	26.70 1.25 -9.24	27.37 1.38 -7.56	32.24 1.35 -12.16	37.54 1.49 -15.70	34.81 1.67 -10.31	34.18 1.76 -7.21	30.30 1.56 -6.13	23.71 1.48 -0.78	22.46 1.04 -5.61
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	21.02 0.83 -4.89	19.63 0.81 -4.06	18.84 0.76 -4.24	18.81 0.75 -3.63	19.83 0.74 -5.96	21.06 0.85 -5.02	25.01 1.18 -3.09	30.87 1.08 -10.82	28.18 1.27 -7.00	23.29 1.22 -2.94	22.90 1.15 -3.99	24.49 1.12 -5.84	24.73 1.10 -6.36	25.17 1.06 -7.84	26.04 1.04 -8.78	26.31 1.09 -9.01	27.04 1.22 -7.39	31.88 1.20 -11.94	37.06 1.34 -15.38	34.67 1.51 -10.32	34.07 1.64 -7.22	30.17 1.42 -6.14	23.58 1.35 -0.78	22.36 0.93 -5.62
POLETTI____ 23519	21.17 1.03 -4.85	19.80 1.02 -4.03	18.98 0.94 -4.20	19.00 0.97 -3.60	19.93 0.88 -5.91	21.16 0.99 -4.97	25.15 1.35 -3.06	30.95 1.25 -10.73	28.36 1.51 -6.94	23.76 1.55 -3.08	23.27 1.51 -4.00	24.95 1.49 -5.94	25.16 1.45 -6.44	25.57 1.37 -7.94	26.50 1.36 -8.91	26.73 1.35 -9.18	27.41 1.47 -7.50	32.23 1.42 -12.07	37.51 1.57 -15.59	34.81 1.74 -10.24	34.21 1.84 -7.16	30.34 1.65 -6.09	23.81 1.59 -0.77	22.52 1.14 -5.58
PORT_JEFF_3 23555	24.87 1.54 -8.03	22.48 1.42 -6.31	19.38 1.33 -4.21	20.07 1.37 -4.27	20.30 1.25 -5.92	24.37 1.43 -7.75	29.97 2.09 -7.14	32.01 1.82 -11.22	31.39 2.17 -9.31	26.86 2.07 -5.66	27.15 1.88 -7.51	27.14 1.88 -7.74	26.71 1.85 -7.59	27.01 1.74 -9.00	27.20 1.69 -9.29	27.63 1.70 -9.72	28.49 1.95 -8.10	33.64 1.91 -12.99	38.69 2.08 -16.27	38.28 2.35 -13.09	42.99 2.37 -15.41	34.81 2.26 -9.94	26.64 2.17 -3.03	22.88 1.49 -5.59
PORT_JEFF_4 23616	24.87 1.54 -8.03	22.48 1.42 -6.31	19.38 1.33 -4.21	20.07 1.37 -4.27	20.30 1.25 -5.92	24.37 1.43 -7.75	29.97 2.09 -7.14	32.01 1.82 -11.22	31.39 2.17 -9.31	26.86 2.07 -5.66	27.15 1.88 -7.51	27.14 1.88 -7.74	26.71 1.85 -7.59	27.01 1.74 -9.00	27.20 1.69 -9.29	27.63 1.70 -9.72	28.49 1.95 -8.10	33.64 1.91 -12.99	38.69 2.08 -16.27	38.28 2.35 -13.09	42.99 2.37 -15.41	34.81 2.26 -9.94	26.64 2.17 -3.03	22.88 1.49 -5.59
PORT_JEFF_IC 23713	24.89 1.56 -8.03	22.50 1.43 -6.31	19.39 1.34 -4.21	20.07 1.37 -4.27	20.32 1.26 -5.92	24.39 1.44 -7.75	29.99 2.12 -7.14	32.05 1.86 -11.22	31.43 2.21 -9.31	26.88 2.09 -5.66	27.17 1.90 -7.51	27.18 1.91 -7.74	26.74 1.88 -7.59	27.03 1.76 -9.00	27.23 1.72 -9.29	27.66 1.73 -9.72	28.53 1.99 -8.10	33.67 1.95 -12.99	38.75 2.14 -16.27	38.33 2.40 -13.09	42.99 2.37 -15.41	34.85 2.31 -9.94	26.69 2.21 -3.03	22.90 1.50 -5.59
PPL PILGRIM_ST_GT1 24216	24.83 1.50 -8.03	22.47 1.40 -6.31	19.36 1.32 -4.21	20.06 1.36 -4.27	20.29 1.23 -5.92	24.36 1.41 -7.75	29.91 2.03 -7.14	31.93 1.74 -11.22	31.33 2.11 -9.31	26.84 2.05 -5.66	27.12 1.85 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.98 1.71 -9.00	27.20 1.69 -9.29	27.61 1.69 -9.72	28.45 1.92 -8.10	33.60 1.87 -12.99	38.67 2.05 -16.27	38.23 2.31 -13.09	43.04 2.42 -15.41	34.76 2.22 -9.94	26.64 2.17 -3.03	22.90 1.50 -5.59
PPL PILGRIM_ST_GT2 24217	24.83 1.50 -8.03	22.47 1.40 -6.31	19.36 1.32 -4.21	20.06 1.36 -4.27	20.29 1.23 -5.92	24.36 1.41 -7.75	29.91 2.03 -7.14	31.93 1.74 -11.22	31.33 2.11 -9.31	26.84 2.05 -5.66	27.12 1.85 -7.51	27.11 1.84 -7.74	26.67 1.81 -7.59	26.98 1.71 -9.00	27.20 1.69 -9.29	27.61 1.69 -9.72	28.45 1.92 -8.10	33.60 1.87 -12.99	38.67 2.05 -16.27	38.23 2.31 -13.09	43.04 2.42 -15.41	34.76 2.22 -9.94	26.64 2.17 -3.03	22.90 1.50 -5.59
PPL_SHRM_GT3 24213	24.78 1.45 -8.03	22.44 1.37 -6.31	19.33 1.29 -4.21	20.03 1.33 -4.27	20.26 1.21 -5.92	24.34 1.40 -7.75	29.87 1.99 -7.14	31.92 1.73 -11.22	31.29 2.07 -9.31	26.65 1.86 -5.66	26.96 1.69 -7.51	26.95 1.68 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.03 1.52 -9.29	27.47 1.54 -9.72	28.36 1.83 -8.10	33.49 1.76 -12.99	38.51 1.89 -16.27	38.12 2.19 -13.09	42.79 2.17 -15.41	34.69 2.15 -9.94	26.47 2.00 -3.03	22.71 1.31 -5.59
PPL_SHRM_GT4 24214	24.78 1.45 -8.03	22.44 1.37 -6.31	19.33 1.29 -4.21	20.03 1.33 -4.27	20.26 1.21 -5.92	24.34 1.40 -7.75	29.87 1.99 -7.14	31.92 1.73 -11.22	31.29 2.07 -9.31	26.65 1.86 -5.66	26.96 1.69 -7.51	26.95 1.68 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.03 1.52 -9.29	27.47 1.54 -9.72	28.36 1.83 -8.10	33.49 1.76 -12.99	38.51 1.89 -16.27	38.12 2.19 -13.09	42.79 2.17 -15.41	34.69 2.15 -9.94	26.47 2.00 -3.03	22.71 1.31 -5.59
PROJECT____ORANGE 1 24174	15.56 -0.20 -0.46	14.90 -0.24 -0.38	14.01 -0.22 -0.40	14.53 -0.25 -0.34	13.46 -0.24 -0.56	15.41 -0.26 -0.47	20.80 -0.23 -0.29	19.68 -0.30 -1.01	20.17 -0.40 -0.66	18.97 -0.42 -0.26	17.72 -0.41 -0.37	17.66 -0.40 -0.54	17.47 -0.38 -0.59	16.62 -0.37 -0.72	16.66 -0.37 -0.81	16.65 -0.39 -0.83	18.71 -0.41 -0.68	19.41 -0.43 -1.10	21.42 -0.35 -1.42	23.51 -0.30 -0.97	25.56 -0.33 -0.68	22.93 -0.25 -0.58	21.25 -0.28 -0.07	16.13 -0.21 -0.53
PROJECT____ORANGE 2 24166	15.56 -0.20 -0.46	14.90 -0.24 -0.38	14.01 -0.22 -0.40	14.53 -0.25 -0.34	13.46 -0.24 -0.56	15.41 -0.26 -0.47	20.80 -0.23 -0.29	19.68 -0.30 -1.01	20.17 -0.40 -0.66	18.97 -0.42 -0.26	17.72 -0.41 -0.37	17.66 -0.40 -0.54	17.47 -0.38 -0.59	16.62 -0.37 -0.72	16.66 -0.37 -0.81	16.65 -0.39 -0.83	18.71 -0.41 -0.68	19.41 -0.43 -1.10	21.42 -0.35 -1.42	23.51 -0.30 -0.97	25.56 -0.33 -0.68	22.93 -0.25 -0.58	21.25 -0.28 -0.07	16.13 -0.21 -0.53
PUCKETT____SOLAR 323809	17.22 0.37 -1.55	16.39 0.34 -1.29	15.50 0.32 -1.35	15.90 0.32 -1.15	15.33 0.30 -1.89	17.17 0.38 -1.59	22.36 0.64 -0.98	21.02 0.36 -1.69	21.11 0.10 -1.09	19.55 -0.02 -0.44	18.27 -0.11 -0.62	18.30 -0.12 -0.90	18.14 -0.10 -0.98	17.36 -0.11 -1.21	17.42 -0.15 -1.35	17.44 -0.15 -1.38	19.51 -0.06 -1.13	20.58 0.00 -1.84	25.53 0.39 -4.79	26.28 0.48 -2.96	27.86 0.58 -2.07	24.88 0.52 -1.76	22.10 0.43 -0.22	17.75 0.33 -1.61
PYRITES____HYD 24023	15.22 -0.15 -0.07	14.71 -0.10 -0.05	13.76 -0.14 -0.06	14.41 -0.07 -0.05	13.16 -0.05 -0.08	15.23 -0.03 -0.07	20.39 -0.39 -0.04	18.83 -0.28 -0.15	19.53 -0.48 -0.09	18.77 -0.40 -0.04	17.38 -0.43 -0.05	17.18 -0.42 -0.08	16.90 -0.45 -0.08	16.00 -0.37 -0.10	16.00 -0.34 -0.12	15.99 -0.34 -0.12	18.03 -0.50 -0.10	18.48 -0.41 -0.16	20.14 -0.41 -0.20	22.47 -0.50 -0.14	24.78 -0.53 -0.10	22.08 -0.61 -0.08	20.84 -0.62 -0.01	15.50 -0.38 -0.08
QUAKERRD_115KV_BK1 80622	15.28 -0.57 -0.54	14.56 -0.65 -0.45	13.74 -0.57 -0.47	14.23 -0.61 -0.40	13.20 -0.59 -0.66	15.08 -0.67 -0.55	20.33 -0.75 -0.34	19.26 -0.91 -1.20	19.61 -1.08 -0.77	18.35 -1.09 -0.31	17.17 -1.03 -0.44	17.14 -1.02 -0.63	16.97 -0.98 -0.69	16.15 -0.98 -0.85	16.15 -1.02 -0.95	16.20 -0.99 -0.98	18.17 -1.07 -0.80	18.92 -1.12 -1.30	20.90 -1.12 -1.67	22.82 -1.16 -1.14	24.70 -1.31 -0.80	22.20 -1.08 -0.68	20.49 -1.05 -0.09	15.78 -0.65 -0.62

QUENSBRY_115KV_TB8 356137	22.29 0.64 -6.34	20.62 0.59 -5.28	19.91 0.57 -5.50	19.73 0.59 -4.71	21.39 0.51 -7.74	22.38 0.67 -6.51	25.89 1.14 -4.01	33.98 0.97 -14.05	29.99 1.00 -9.08	23.55 0.99 -3.43	23.69 0.85 -5.08	25.64 0.88 -7.25	26.02 0.83 -7.93	26.81 0.75 -9.79	27.84 0.71 -10.91	28.06 0.71 -11.14	28.49 0.88 -9.17	34.68 0.97 -14.97	40.57 1.08 -19.15	37.45 1.21 -13.40	36.09 1.51 -9.37	31.89 1.31 -7.97	23.62 1.16 -1.01	23.85 0.74 -7.30
RAMAPO____LBMP 323565	20.83 0.87 -4.65	19.50 0.87 -3.87	18.67 0.80 -4.03	18.71 0.82 -3.45	19.57 0.76 -5.67	20.85 0.88 -4.77	24.92 1.24 -2.94	30.41 1.14 -10.30	27.92 1.35 -6.66	23.42 1.34 -2.94	22.87 1.28 -3.84	24.48 1.26 -5.69	24.68 1.24 -6.17	25.07 1.19 -7.61	25.93 1.17 -8.54	26.19 1.18 -8.80	26.94 1.31 -7.19	31.61 1.29 -11.58	36.72 1.42 -14.95	34.24 1.58 -9.83	33.75 1.66 -6.87	29.92 1.47 -5.85	23.59 1.39 -0.74	22.14 0.98 -5.35
RANKINE____ 23646	15.67 -0.37 -0.74	14.84 -0.53 -0.61	14.08 -0.40 -0.64	14.53 -0.45 -0.55	13.55 -0.49 -0.90	15.35 -0.61 -0.76	20.65 -0.56 -0.47	19.96 -0.64 -1.64	20.09 -0.88 -1.06	18.70 -0.86 -0.43	17.56 -0.80 -0.60	17.60 -0.79 -0.87	17.37 -0.85 -0.95	16.58 -0.86 -1.17	16.60 -0.92 -1.30	16.62 -0.92 -1.34	18.55 -0.98 -1.10	19.43 -1.09 -1.78	21.27 -1.36 -2.29	23.03 -1.37 -1.56	24.69 -1.61 -1.09	22.36 -1.18 -0.93	20.50 -1.07 -0.12	16.13 -0.52 -0.85
RAVENSWOOD_GT2_1 24244	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT2_2 24245	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT2_3 24246	21.23 1.07 -4.85	19.81 1.02 -4.04	18.99 0.94 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.21 1.51 -6.19	25.46 1.49 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.29	27.17 1.41 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.93 1.83 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT2_4 24247	21.23 1.07 -4.85	19.81 1.02 -4.04	18.99 0.94 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.21 1.51 -6.19	25.46 1.49 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.29	27.17 1.41 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.93 1.83 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT3_1 24248	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.15 1.35 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT3_2 24249	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.15 1.35 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT3_3 24250	21.23 1.07 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.84 1.52 -12.59	37.60 1.67 -15.58	34.96 1.85 -10.27	34.36 1.97 -7.18	30.45 1.74 -6.11	23.85 1.63 -0.77	22.55 1.15 -5.59
RAVENSWOOD_GT3_4 24251	21.23 1.07 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.18 1.00 -4.98	25.19 1.39 -3.07	31.48 1.29 -11.22	28.72 1.55 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.94 1.43 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.84 1.52 -12.59	37.60 1.67 -15.58	34.96 1.85 -10.27	34.36 1.97 -7.18	30.45 1.74 -6.11	23.85 1.63 -0.77	22.55 1.15 -5.59
RAVENSWOOD_GT_1 23729	21.26 1.10 -4.85	19.84 1.05 -4.04	19.01 0.97 -4.21	19.01 0.98 -3.60	19.96 0.91 -5.92	21.15 0.97 -4.98	25.15 1.35 -3.07	31.44 1.25 -11.22	28.72 1.55 -7.25	23.93 1.61 -3.19	23.48 1.54 -4.17	25.25 1.54 -6.19	25.50 1.52 -6.71	25.99 1.45 -8.27	26.97 1.46 -9.29	27.22 1.46 -9.56	27.84 1.59 -7.82	32.86 1.54 -12.59	37.62 1.69 -15.58	34.96 1.85 -10.27	34.36 1.97 -7.18	30.45 1.74 -6.11	23.85 1.63 -0.77	22.57 1.17 -5.59
RAVENSWOOD_GT_10 24258	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT_11 24259	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT_4 24252	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59



RAVENSWOOD_GT_5 24254	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT_6 24253	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT_7 24255	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD_GT_9 24257	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.20 1.49 -6.19	25.44 1.47 -6.71	25.93 1.38 -8.27	26.90 1.40 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD___1 23533	21.26 1.10 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.15 0.97 -4.98	25.15 1.35 -3.07	31.42 1.23 -11.22	28.70 1.53 -7.25	23.91 1.59 -3.19	23.48 1.54 -4.17	25.25 1.54 -6.19	25.50 1.52 -6.71	25.98 1.43 -8.27	26.95 1.44 -9.29	27.20 1.44 -9.56	27.82 1.57 -7.82	32.84 1.52 -12.59	37.60 1.67 -15.58	34.96 1.85 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.55 1.15 -5.59
RAVENSWOOD___2 23534	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.95 0.89 -5.92	21.14 0.96 -4.98	25.13 1.33 -3.07	31.42 1.23 -11.22	28.70 1.53 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.98 1.43 -8.27	26.95 1.44 -9.29	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.60 1.67 -15.58	34.93 1.83 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD___3 23535	21.21 1.06 -4.85	19.80 1.00 -4.04	18.99 0.94 -4.21	18.99 0.95 -3.60	19.93 0.88 -5.92	21.16 0.99 -4.98	25.17 1.37 -3.07	31.46 1.27 -11.22	28.70 1.53 -7.25	23.89 1.57 -3.19	23.44 1.51 -4.17	25.21 1.51 -6.19	25.44 1.47 -6.71	25.94 1.40 -8.27	26.92 1.41 -9.29	27.16 1.39 -9.56	27.78 1.53 -7.82	32.82 1.50 -12.59	37.56 1.63 -15.58	34.91 1.80 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.54 1.14 -5.59
RAVENSWOOD___4 23820	21.24 1.09 -4.85	19.82 1.03 -4.04	19.00 0.95 -4.21	19.00 0.97 -3.60	19.93 0.88 -5.92	21.14 0.96 -4.98	25.13 1.33 -3.07	31.42 1.23 -11.22	28.68 1.51 -7.25	23.91 1.59 -3.19	23.46 1.53 -4.17	25.23 1.52 -6.19	25.48 1.50 -6.71	25.96 1.41 -8.27	26.93 1.43 -9.28	27.19 1.43 -9.56	27.80 1.55 -7.82	32.82 1.50 -12.59	37.58 1.65 -15.58	34.93 1.83 -10.27	34.33 1.94 -7.18	30.43 1.72 -6.11	23.83 1.61 -0.77	22.53 1.14 -5.59
RCPL_TRUST___DRP 24196	21.21 1.06 -4.85	19.83 1.05 -4.03	19.01 0.97 -4.20	19.02 1.00 -3.60	19.97 0.92 -5.91	21.20 1.03 -4.97	25.25 1.45 -3.06	31.05 1.35 -10.73	28.46 1.61 -6.94	23.83 1.63 -3.08	23.32 1.56 -4.00	25.02 1.56 -5.94	25.22 1.52 -6.44	25.66 1.45 -7.94	26.56 1.43 -8.91	26.79 1.41 -9.18	27.49 1.55 -7.50	32.33 1.52 -12.07	37.61 1.67 -15.59	34.93 1.85 -10.24	34.31 1.94 -7.16	30.43 1.74 -6.09	23.90 1.67 -0.77	22.57 1.19 -5.58
RED___ROCHESTER 323720	15.67 -0.23 -0.59	14.95 -0.30 -0.49	14.12 -0.24 -0.51	14.61 -0.26 -0.44	13.57 -0.29 -0.72	15.47 -0.33 -0.61	20.91 -0.21 -0.37	18.88 -0.44 -0.35	19.54 -0.60 -0.22	18.57 -0.65 -0.09	17.26 -0.62 -0.13	17.07 -0.63 -0.18	16.86 -0.60 -0.20	15.91 -0.60 -0.25	15.85 -0.65 -0.28	15.84 -0.65 -0.28	17.97 -0.70 -0.23	18.36 -0.75 -0.38	21.49 -0.69 -1.83	23.38 -0.71 -1.25	25.27 -0.81 -0.87	22.74 -0.61 -0.74	20.99 -0.56 -0.09	16.25 -0.24 -0.68
REGAN___SOLAR 323812	23.68 1.16 -7.21	22.05 1.30 -6.00	21.34 1.25 -6.26	21.08 1.30 -5.35	23.10 1.17 -8.80	24.06 1.46 -7.40	27.18 1.89 -4.56	36.80 1.52 -16.31	31.89 1.43 -10.55	24.49 1.30 -4.05	24.85 1.17 -5.92	27.19 1.19 -8.48	27.70 1.16 -9.27	28.79 1.07 -11.45	30.02 1.04 -12.76	30.33 1.07 -13.05	30.46 1.29 -10.74	37.80 1.57 -17.49	44.07 1.81 -21.92	40.08 2.03 -15.21	38.32 2.47 -10.64	33.78 2.12 -9.05	24.50 1.91 -1.14	25.43 1.34 -8.28
RENSSELAER___COGEN 23796	21.63 0.28 -6.05	20.04 0.25 -5.03	19.34 0.25 -5.25	19.20 0.27 -4.49	20.76 0.24 -7.38	21.68 0.27 -6.21	24.92 0.35 -3.82	33.03 0.25 -13.82	29.18 0.34 -8.93	22.80 0.32 -3.34	23.05 0.30 -4.99	24.90 0.28 -7.10	25.33 0.29 -7.77	26.13 0.26 -9.60	27.18 0.28 -10.69	27.40 0.28 -10.92	27.76 0.33 -8.99	33.77 0.36 -14.68	38.90 0.37 -18.19	36.08 0.43 -12.80	34.64 0.48 -8.96	30.65 0.43 -7.62	22.80 0.39 -0.96	22.98 0.20 -6.97
REPUBLIC_115KV_BARTNBRK 55605	22.93 1.29 -6.34	21.22 1.20 -5.27	20.50 1.16 -5.50	20.33 1.20 -4.70	21.92 1.05 -7.73	23.04 1.34 -6.50	26.88 2.14 -4.00	34.82 1.82 -14.03	30.74 1.75 -9.07	24.29 1.74 -3.42	24.34 1.51 -5.08	26.32 1.56 -7.24	26.58 1.40 -7.92	27.27 1.22 -9.78	28.30 1.18 -10.89	28.50 1.17 -11.13	29.03 1.44 -9.16	35.32 1.63 -14.95	41.24 1.77 -19.12	38.28 2.06 -13.39	37.25 2.67 -9.37	32.88 2.31 -7.97	24.54 2.08 -1.01	24.50 1.41 -7.29
REVERE_CPPR_DRP 24186	15.85 0.31 -0.24	15.21 0.25 -0.20	14.28 0.24 -0.21	14.84 0.23 -0.18	13.64 0.21 -0.29	15.75 0.30 -0.24	21.35 0.46 -0.15	19.93 0.44 -0.53	20.57 0.32 -0.34	19.52 0.25 -0.14	18.09 0.14 -0.19	17.94 0.14 -0.28	17.76 0.19 -0.31	16.84 0.20 -0.38	16.77 0.13 -0.42	16.77 0.13 -0.43	18.99 0.20 -0.36	19.58 0.26 -0.58	21.53 0.45 -0.74	23.91 0.57 -0.50	26.39 0.83 -0.35	23.54 0.63 -0.30	21.96 0.47 -0.04	16.38 0.30 -0.27

REYNOLDS_115KV_TB3 80639	21.80 0.40 -6.10	20.21 0.38 -5.07	19.50 0.37 -5.29	19.35 0.39 -4.53	20.92 0.34 -7.44	21.85 0.40 -6.26	25.13 0.54 -3.85	32.89 0.42 -13.51	29.18 0.54 -8.73	22.81 0.50 -3.18	23.08 0.46 -4.86	24.84 0.46 -6.87	25.25 0.45 -7.53	25.98 0.41 -9.31	26.99 0.42 -10.34	27.16 0.41 -10.55	27.63 0.50 -8.70	33.48 0.51 -14.24	39.05 0.53 -18.17	36.34 0.62 -12.89	34.90 0.68 -9.02	30.90 0.63 -7.67	23.02 0.60 -0.97	23.17 0.35 -7.02
RIVERBAY____ 323610	21.25 1.10 -4.85	19.86 1.08 -4.03	19.04 1.00 -4.20	19.02 1.00 -3.60	19.98 0.93 -5.91	21.13 0.96 -4.97	25.04 1.24 -3.06	30.84 1.14 -10.73	28.26 1.41 -6.94	23.68 1.47 -3.08	23.19 1.44 -4.00	24.93 1.47 -5.94	25.16 1.45 -6.44	25.58 1.37 -7.94	26.50 1.36 -8.91	26.71 1.33 -9.18	27.38 1.44 -7.50	32.20 1.39 -12.07	37.51 1.57 -15.60	34.81 1.74 -10.24	34.19 1.82 -7.16	30.34 1.65 -6.09	23.81 1.59 -0.77	22.57 1.19 -5.58
RIVERSDE_115KV_TB3 55908	21.71 0.31 -6.10	20.14 0.31 -5.07	19.43 0.30 -5.29	19.27 0.32 -4.52	20.86 0.29 -7.44	21.79 0.33 -6.26	25.03 0.44 -3.85	32.79 0.32 -13.50	29.08 0.44 -8.73	22.74 0.40 -3.21	22.99 0.37 -4.86	24.78 0.37 -6.89	25.18 0.36 -7.55	25.92 0.33 -9.33	26.92 0.32 -10.37	27.11 0.32 -10.58	27.56 0.41 -8.72	33.41 0.41 -14.27	38.99 0.43 -18.22	36.22 0.50 -12.88	34.77 0.55 -9.01	30.79 0.52 -7.66	22.89 0.47 -0.97	23.07 0.25 -7.02
ROARING____BROOK_WT_PWR 323790	15.09 -0.21 0.00	14.56 -0.19 0.00	13.66 -0.18 0.00	14.27 -0.16 0.00	13.00 -0.13 0.00	15.05 -0.15 0.00	20.49 -0.25 0.00	18.78 -0.19 0.00	19.69 -0.22 0.00	18.94 -0.19 0.00	17.56 -0.19 0.00	17.31 -0.21 0.00	17.04 -0.22 0.00	16.04 -0.23 0.00	15.98 -0.24 0.00	15.93 -0.28 0.00	18.10 -0.33 0.00	18.42 -0.32 0.00	20.00 -0.35 0.00	22.45 -0.39 0.00	24.78 -0.43 0.00	22.22 -0.38 0.00	21.15 -0.30 0.00	15.62 -0.19 0.00
ROCHESRG_115KV_T4 355643	15.56 -0.31 -0.57	14.82 -0.41 -0.47	13.98 -0.35 -0.49	14.48 -0.38 -0.42	13.43 -0.39 -0.69	15.32 -0.46 -0.58	20.68 -0.41 -0.36	19.58 -0.64 -1.26	19.91 -0.82 -0.81	18.62 -0.84 -0.33	17.42 -0.80 -0.46	17.40 -0.79 -0.67	17.23 -0.76 -0.73	16.40 -0.76 -0.90	16.41 -0.81 -1.00	16.44 -0.79 -1.03	18.43 -0.85 -0.84	19.19 -0.92 -1.37	21.19 -0.92 -1.76	23.12 -0.91 -1.20	25.01 -1.03 -0.84	22.53 -0.79 -0.71	20.77 -0.77 -0.09	16.06 -0.40 -0.65
ROCHESTER_9_IC 23652	15.63 -0.24 -0.57	14.88 -0.35 -0.48	14.06 -0.28 -0.50	14.55 -0.30 -0.42	13.49 -0.34 -0.70	15.40 -0.38 -0.59	20.79 -0.31 -0.36	19.70 -0.53 -1.27	20.03 -0.70 -0.82	18.71 -0.75 -0.33	17.51 -0.71 -0.46	17.49 -0.70 -0.67	17.32 -0.67 -0.73	16.49 -0.73 -0.90	16.50 -0.73 -1.01	16.53 -0.71 -1.03	18.55 -0.74 -0.85	19.31 -0.81 -1.38	21.30 -0.78 -1.77	23.27 -0.91 -1.21	25.15 -0.91 -0.84	22.64 -0.68 -0.72	20.88 -0.66 -0.09	16.15 -0.32 -0.66
ROCKVIEW_13_KV_LD 356306	21.14 0.99 -4.85	19.76 0.97 -4.03	18.95 0.91 -4.20	18.97 0.94 -3.60	19.91 0.87 -5.91	21.16 0.99 -4.97	25.19 1.39 -3.06	30.95 1.25 -10.73	28.34 1.49 -6.94	23.72 1.51 -3.08	23.21 1.46 -4.00	24.92 1.45 -5.94	25.14 1.43 -6.44	25.56 1.35 -7.94	26.48 1.35 -8.91	26.73 1.35 -9.18	27.41 1.47 -7.50	32.25 1.44 -12.07	37.55 1.61 -15.60	34.88 1.80 -10.24	34.26 1.89 -7.16	30.39 1.70 -6.09	23.81 1.59 -0.77	22.50 1.12 -5.58
ROME____115KV_TB2 80656	15.85 0.31 -0.24	15.21 0.25 -0.20	14.28 0.24 -0.21	14.84 0.23 -0.18	13.64 0.21 -0.29	15.75 0.30 -0.24	21.35 0.46 -0.15	19.93 0.44 -0.53	20.57 0.32 -0.34	19.52 0.25 -0.14	18.09 0.14 -0.19	17.94 0.14 -0.28	17.76 0.19 -0.31	16.84 0.20 -0.38	16.77 0.13 -0.42	16.77 0.13 -0.43	18.99 0.20 -0.36	19.58 0.26 -0.58	21.53 0.45 -0.74	23.91 0.57 -0.50	26.39 0.83 -0.35	23.54 0.63 -0.30	21.96 0.47 -0.04	16.38 0.30 -0.27
ROSETON____1 23587	20.95 0.84 -4.80	19.55 0.80 -3.99	18.75 0.75 -4.17	18.76 0.76 -3.56	19.70 0.71 -5.86	20.93 0.80 -4.93	24.91 1.14 -3.03	31.12 1.04 -11.11	28.33 1.24 -7.18	23.51 1.23 -3.16	23.06 1.17 -4.13	24.80 1.16 -6.12	25.05 1.14 -6.64	25.55 1.09 -8.19	26.50 1.09 -9.19	26.77 1.10 -9.46	27.41 1.24 -7.74	32.41 1.22 -12.46	37.09 1.32 -15.42	34.47 1.46 -10.16	33.91 1.59 -7.11	30.05 1.40 -6.05	23.53 1.31 -0.76	22.24 0.90 -5.54
ROSETON____2 23588	20.95 0.84 -4.80	19.55 0.80 -3.99	18.75 0.75 -4.17	18.76 0.76 -3.56	19.70 0.71 -5.86	20.93 0.80 -4.93	24.91 1.14 -3.03	31.12 1.04 -11.11	28.33 1.24 -7.18	23.51 1.23 -3.16	23.06 1.17 -4.13	24.80 1.16 -6.12	25.05 1.14 -6.64	25.55 1.09 -8.19	26.50 1.09 -9.19	26.77 1.10 -9.46	27.41 1.24 -7.74	32.41 1.22 -12.46	37.09 1.32 -15.42	34.47 1.46 -10.16	33.91 1.59 -7.11	30.05 1.40 -6.05	23.53 1.31 -0.76	22.24 0.90 -5.54
ROTTSDAM_115KV_TB3 80664	22.26 0.54 -6.43	20.62 0.52 -5.34	19.90 0.48 -5.57	19.71 0.51 -4.77	21.42 0.45 -7.84	22.32 0.53 -6.59	25.57 0.77 -4.06	33.88 0.68 -14.23	29.87 0.76 -9.20	23.40 0.73 -3.55	23.60 0.67 -5.17	25.59 0.67 -7.40	26.02 0.66 -8.09	26.87 0.60 -9.99	27.96 0.60 -11.14	28.20 0.60 -11.39	28.51 0.70 -9.37	34.75 0.75 -15.27	40.69 0.79 -19.55	37.33 0.91 -13.58	35.74 1.03 -9.50	31.61 0.93 -8.08	23.33 0.86 -1.02	23.77 0.57 -7.39
RUSSELL____1 23602	15.69 -0.18 -0.57	14.94 -0.30 -0.48	14.10 -0.24 -0.50	14.60 -0.26 -0.42	13.54 -0.29 -0.70	15.45 -0.33 -0.59	20.89 -0.21 -0.36	19.80 -0.44 -1.27	20.13 -0.60 -0.82	18.81 -0.65 -0.33	17.60 -0.62 -0.46	17.56 -0.63 -0.67	17.41 -0.59 -0.73	16.57 -0.60 -0.90	16.58 -0.65 -1.01	16.61 -0.63 -1.03	18.64 -0.65 -0.85	19.40 -0.71 -1.38	21.42 -0.69 -1.77	23.38 -0.66 -1.21	25.30 -0.76 -0.84	22.78 -0.54 -0.72	20.96 -0.58 -0.09	16.21 -0.25 -0.66
RUSSELL____2 23532	15.69 -0.18 -0.57	14.94 -0.30 -0.48	14.10 -0.24 -0.50	14.60 -0.26 -0.42	13.54 -0.29 -0.70	15.45 -0.33 -0.59	20.89 -0.21 -0.36	19.80 -0.44 -1.27	20.13 -0.60 -0.82	18.81 -0.65 -0.33	17.60 -0.62 -0.46	17.56 -0.63 -0.67	17.41 -0.59 -0.73	16.57 -0.60 -0.90	16.58 -0.65 -1.01	16.61 -0.63 -1.03	18.64 -0.65 -0.85	19.40 -0.71 -1.38	21.42 -0.69 -1.77	23.38 -0.66 -1.21	25.30 -0.76 -0.84	22.78 -0.54 -0.72	20.96 -0.58 -0.09	16.21 -0.25 -0.66
RUSSELL____3 23549	15.69 -0.18 -0.57	14.94 -0.30 -0.48	14.10 -0.24 -0.50	14.60 -0.26 -0.42	13.54 -0.29 -0.70	15.45 -0.33 -0.59	20.89 -0.21 -0.36	19.80 -0.44 -1.27	20.13 -0.60 -0.82	18.81 -0.65 -0.33	17.60 -0.62 -0.46	17.56 -0.63 -0.67	17.41 -0.59 -0.73	16.57 -0.60 -0.90	16.58 -0.65 -1.01	16.61 -0.63 -1.03	18.64 -0.65 -0.85	19.40 -0.71 -1.38	21.42 -0.69 -1.77	23.38 -0.66 -1.21	25.30 -0.76 -0.84	22.78 -0.54 -0.72	20.96 -0.58 -0.09	16.21 -0.25 -0.66
RUSSELL____4 23556	15.69 -0.18 -0.57	14.94 -0.30 -0.48	14.10 -0.24 -0.50	14.60 -0.26 -0.42	13.54 -0.29 -0.70	15.45 -0.33 -0.59	20.89 -0.21 -0.36	19.80 -0.44 -1.27	20.13 -0.60 -0.82	18.81 -0.65 -0.33	17.60 -0.62 -0.46	17.56 -0.63 -0.67	17.41 -0.59 -0.73	16.57 -0.60 -0.90	16.58 -0.65 -1.01	16.61 -0.63 -1.03	18.64 -0.65 -0.85	19.40 -0.71 -1.38	21.42 -0.69 -1.77	23.38 -0.66 -1.21	25.30 -0.76 -0.84	22.78 -0.54 -0.72	20.96 -0.58 -0.09	16.21 -0.25 -0.66

RUSSELL___STATION 23914	15.69 -0.18 -0.57	14.94 -0.30 -0.48	14.10 -0.24 -0.50	14.60 -0.26 -0.42	13.54 -0.29 -0.70	15.45 -0.33 -0.59	20.89 -0.21 -0.36	19.80 -0.44 -1.27	20.13 -0.60 -0.82	18.81 -0.65 -0.33	17.60 -0.62 -0.46	17.56 -0.63 -0.67	17.41 -0.59 -0.73	16.57 -0.60 -0.90	16.58 -0.65 -1.01	16.61 -0.63 -1.03	18.64 -0.65 -0.85	19.40 -0.71 -1.38	21.42 -0.69 -1.77	23.38 -0.66 -1.21	25.30 -0.76 -0.84	22.78 -0.54 -0.72	20.96 -0.58 -0.09	16.21 -0.25 -0.66
S SALMON___HYD 24043	15.33 -0.35 -0.38	14.69 -0.38 -0.32	13.82 -0.35 -0.33	14.34 -0.38 -0.28	13.26 -0.34 -0.46	15.19 -0.40 -0.39	20.54 -0.44 -0.24	18.64 -0.55 -0.22	19.36 -0.70 -0.14	18.46 -0.73 -0.06	17.14 -0.69 -0.08	16.99 -0.65 -0.12	16.75 -0.64 -0.13	15.82 -0.60 -0.16	15.78 -0.62 -0.17	15.74 -0.65 -0.18	17.86 -0.72 -0.15	18.26 -0.71 -0.24	20.89 -0.63 -0.18	23.07 -0.57 -0.80	25.29 -0.48 -0.56	22.65 -0.43 -0.48	21.04 -0.47 -0.06	15.88 -0.36 -0.44
S.PERRY___115KV_TB1 80734	16.32 0.24 -0.77	15.52 0.12 -0.64	14.66 0.15 -0.67	15.15 0.14 -0.58	14.15 0.07 -0.95	16.13 0.14 -0.80	21.64 0.41 -0.49	20.82 0.13 -1.72	20.86 -0.16 -1.11	19.27 -0.31 -0.45	18.07 -0.32 -0.63	18.12 -0.32 -0.91	17.91 -0.35 -0.99	17.10 -0.39 -1.22	17.17 -0.42 -1.37	17.22 -0.39 -1.40	19.22 -0.37 -1.15	20.27 -0.34 -1.87	22.48 -0.26 -2.40	24.41 -0.07 -1.64	26.28 -0.08 -1.14	23.67 0.09 -0.97	21.62 0.04 -0.12	16.89 0.19 -0.89
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	15.56 -0.46 -0.72	14.73 -0.62 -0.60	13.97 -0.48 -0.62	14.43 -0.53 -0.53	13.46 -0.55 -0.87	15.23 -0.70 -0.74	20.49 -0.71 -0.45	19.65 -0.91 -1.59	19.78 -1.15 -1.03	18.44 -1.11 -0.41	17.31 -1.03 -0.58	17.35 -1.02 -0.84	17.13 -1.05 -0.92	16.33 -1.07 -1.13	16.37 -1.12 -1.27	16.39 -1.12 -1.30	18.30 -1.20 -1.07	19.15 -1.31 -1.73	21.04 -1.53 -2.22	22.80 -1.55 -1.52	24.43 -1.84 -1.06	22.15 -1.36 -0.90	20.32 -1.24 -0.11	16.01 -0.62 -0.83
SAWYER___23_KV_LOAD 55526	15.56 -0.46 -0.72	14.73 -0.62 -0.60	13.97 -0.48 -0.62	14.43 -0.53 -0.53	13.46 -0.55 -0.87	15.23 -0.70 -0.74	20.49 -0.71 -0.45	19.65 -0.91 -1.59	19.78 -1.15 -1.03	18.44 -1.11 -0.41	17.31 -1.03 -0.58	17.35 -1.02 -0.84	17.13 -1.05 -0.92	16.33 -1.07 -1.13	16.37 -1.12 -1.27	16.39 -1.12 -1.30	18.30 -1.20 -1.07	19.15 -1.31 -1.73	21.04 -1.53 -2.22	22.80 -1.55 -1.52	24.43 -1.84 -1.06	22.15 -1.36 -0.90	20.32 -1.24 -0.11	16.01 -0.62 -0.83
SELKIRK___I 23801	21.66 0.41 -5.94	20.06 0.37 -4.94	19.35 0.36 -5.15	19.23 0.39 -4.41	20.72 0.34 -7.24	21.69 0.39 -6.10	25.03 0.54 -3.75	33.00 0.47 -13.56	29.23 0.56 -8.77	23.01 0.52 -3.36	23.14 0.46 -4.92	25.01 0.45 -7.04	25.41 0.45 -7.70	26.18 0.41 -9.50	27.23 0.42 -10.59	27.44 0.41 -10.83	27.84 0.50 -8.91	33.78 0.52 -14.52	38.91 0.55 -18.02	36.01 0.62 -12.56	34.70 0.70 -8.78	30.73 0.66 -7.47	23.02 0.62 -0.94	23.04 0.40 -6.84
SELKIRK___II 23799	21.66 0.34 -6.03	20.08 0.31 -5.01	19.37 0.30 -5.23	19.22 0.32 -4.47	20.77 0.29 -7.35	21.72 0.33 -6.18	25.00 0.46 -3.81	33.09 0.38 -13.75	29.28 0.48 -8.89	22.97 0.46 -3.38	23.16 0.43 -4.98	25.05 0.42 -7.11	25.46 0.41 -7.78	26.26 0.37 -9.61	27.32 0.39 -10.71	27.54 0.39 -10.94	27.90 0.46 -9.01	33.89 0.47 -14.69	39.06 0.49 -18.23	36.14 0.57 -12.73	34.75 0.63 -8.91	30.74 0.57 -7.58	22.95 0.54 -0.96	23.06 0.32 -6.94
SENECA OSWGO___HYD 24041	15.32 -0.41 -0.43	14.68 -0.43 -0.36	13.82 -0.39 -0.37	14.32 -0.43 -0.32	13.25 -0.41 -0.52	15.20 -0.44 -0.44	20.53 -0.48 -0.27	18.66 -0.55 -0.25	19.41 -0.66 -0.16	18.51 -0.69 -0.06	17.19 -0.66 -0.09	17.02 -0.63 -0.13	16.79 -0.62 -0.14	15.86 -0.59 -0.18	15.82 -0.60 -0.20	15.79 -0.62 -0.20	17.94 -0.66 -0.16	18.31 -0.69 -0.27	21.04 -0.63 -1.32	23.13 -0.62 -0.91	25.19 -0.66 -0.64	22.60 -0.54 -0.54	20.96 -0.56 -0.07	15.89 -0.41 -0.50
SENECA___115KV_TB3 355854	15.69 -0.35 -0.74	14.85 -0.52 -0.61	14.09 -0.39 -0.64	14.55 -0.43 -0.55	13.58 -0.46 -0.90	15.36 -0.59 -0.76	20.69 -0.52 -0.47	20.00 -0.61 -1.64	20.13 -0.84 -1.06	18.73 -0.82 -0.43	17.59 -0.76 -0.60	17.64 -0.75 -0.87	17.40 -0.81 -0.95	16.61 -0.83 -1.17	16.63 -0.89 -1.30	16.64 -0.91 -1.34	18.59 -0.94 -1.10	19.47 -1.05 -1.78	21.31 -1.32 -2.29	23.05 -1.35 -1.56	24.71 -1.59 -1.09	22.40 -1.13 -0.93	20.52 -1.05 -0.12	16.16 -0.49 -0.85
SENECA___ENERGY 23797	15.74 -0.18 -0.62	15.06 -0.21 -0.51	14.19 -0.18 -0.54	14.67 -0.22 -0.46	13.68 -0.21 -0.75	15.63 -0.20 -0.63	21.07 -0.06 -0.39	19.13 -0.19 -0.35	19.78 -0.36 -0.23	18.82 -0.40 -0.09	17.48 -0.41 -0.13	17.31 -0.40 -0.19	17.09 -0.38 -0.20	16.15 -0.37 -0.25	16.10 -0.40 -0.28	16.09 -0.40 -0.29	18.25 -0.42 -0.24	18.67 -0.45 -0.38	21.95 -0.30 -1.91	23.90 -0.25 -1.32	25.85 -0.28 -0.92	23.23 -0.16 -0.78	21.34 -0.21 -0.10	16.38 -0.14 -0.72
SHOEMAKER___GT 23640	20.34 0.75 -4.29	19.00 0.68 -3.57	18.20 0.64 -3.72	18.24 0.62 -3.18	18.99 0.62 -5.23	20.32 0.71 -4.40	24.49 1.04 -2.71	29.92 0.95 -10.00	27.47 1.09 -6.46	23.01 1.05 -2.82	22.48 1.01 -3.72	24.02 1.00 -5.50	24.21 0.98 -5.97	24.55 0.93 -7.35	25.40 0.92 -8.25	25.65 0.96 -8.49	26.47 1.09 -6.95	30.99 1.07 -11.19	35.25 1.16 -13.75	33.21 1.28 -9.09	32.98 1.41 -6.36	29.23 1.22 -5.41	23.27 1.14 -0.68	21.58 0.82 -4.95
SHOEMAKR_138KV_BK 111 55601	20.40 0.70 -4.40	19.10 0.69 -3.66	18.29 0.64 -3.81	18.33 0.64 -3.26	19.11 0.62 -5.36	20.42 0.71 -4.51	24.55 1.04 -2.78	29.65 0.95 -9.73	27.32 1.12 -6.29	22.96 1.07 -2.76	22.39 1.01 -3.62	23.88 1.00 -5.36	24.06 0.98 -5.81	24.36 0.93 -7.17	25.19 0.92 -8.04	25.42 0.94 -8.27	26.27 1.07 -6.77	30.67 1.03 -10.90	35.56 1.14 -14.07	33.38 1.26 -9.28	33.06 1.36 -6.49	29.32 1.20 -5.52	23.29 1.14 -0.70	21.68 0.82 -5.06
SHOREHAM_IC_1 23715	24.78 1.45 -8.03	22.44 1.37 -6.31	19.33 1.29 -4.21	20.03 1.33 -4.27	20.26 1.21 -5.92	24.34 1.40 -7.75	29.87 1.99 -7.14	31.92 1.73 -11.22	31.29 2.07 -9.31	26.65 1.86 -5.66	26.96 1.69 -7.51	26.95 1.68 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.03 1.52 -9.29	27.47 1.54 -9.72	28.36 1.83 -8.10	33.49 1.76 -12.99	38.51 1.89 -16.27	38.12 2.19 -13.09	42.79 2.17 -15.41	34.69 2.15 -9.94	26.47 2.00 -3.03	22.71 1.31 -5.59
SHOREHAM_IC_2 23716	24.78 1.45 -8.03	22.44 1.37 -6.31	19.33 1.29 -4.21	20.03 1.33 -4.27	20.26 1.21 -5.92	24.34 1.40 -7.75	29.87 1.99 -7.14	31.92 1.73 -11.22	31.29 2.07 -9.31	26.65 1.86 -5.66	26.96 1.69 -7.51	26.95 1.68 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.03 1.52 -9.29	27.47 1.54 -9.72	28.36 1.83 -8.10	33.49 1.76 -12.99	38.51 1.89 -16.27	38.12 2.19 -13.09	42.79 2.17 -15.41	34.69 2.15 -9.94	26.47 2.00 -3.03	22.71 1.31 -5.59
SISSONVILLE___ 23735	14.90 -0.47 -0.07	14.40 -0.41 -0.06	13.48 -0.42 -0.06	14.11 -0.38 -0.05	12.89 -0.33 -0.09	14.91 -0.36 -0.07	20.02 -0.77 -0.04	18.52 -0.61 -0.16	19.22 -0.80 -0.10	18.48 -0.69 -0.04	17.14 -0.67 -0.06	16.94 -0.67 -0.08	16.67 -0.69 -0.09	15.78 -0.60 -0.11	15.78 -0.57 -0.12	15.78 -0.55 -0.13	17.80 -0.74 -0.11	18.23 -0.67 -0.17	19.85 -0.71 -0.22	22.14 -0.84 -0.15	24.38 -0.93 -0.10	21.72 -0.97 -0.09	20.52 -0.94 -0.01	15.27 -0.62 -0.08

SITHE_IND_GS1 24169	15.13 -0.54 -0.37	14.53 -0.53 -0.31	13.67 -0.48 -0.32	14.19 -0.52 -0.27	13.10 -0.49 -0.45	15.03 -0.55 -0.38	20.31 -0.66 -0.23	18.27 -0.70 0.00	19.12 -0.80 0.00	18.33 -0.80 0.00	16.99 -0.76 0.00	16.77 -0.75 0.00	16.54 -0.72 0.00	15.57 -0.70 0.00	15.51 -0.71 0.00	15.49 -0.71 0.00	17.64 -0.79 0.00	17.91 -0.82 0.00	20.71 -0.77 -1.14	22.79 -0.82 -0.78	24.85 -0.91 -0.54	22.30 -0.77 -0.46	20.76 -0.75 -0.06	15.69 -0.54 -0.42
SITHE_IND_GS2 24170	15.13 -0.54 -0.37	14.53 -0.53 -0.31	13.67 -0.48 -0.32	14.19 -0.52 -0.27	13.10 -0.49 -0.45	15.03 -0.55 -0.38	20.31 -0.66 -0.23	18.27 -0.70 0.00	19.12 -0.80 0.00	18.33 -0.80 0.00	16.99 -0.76 0.00	16.77 -0.75 0.00	16.54 -0.72 0.00	15.57 -0.70 0.00	15.51 -0.71 0.00	15.49 -0.71 0.00	17.64 -0.79 0.00	17.91 -0.82 0.00	20.71 -0.77 -1.14	22.79 -0.82 -0.78	24.85 -0.91 -0.54	22.30 -0.77 -0.46	20.76 -0.75 -0.06	15.69 -0.54 -0.42
SITHE_IND_GS3 24171	15.13 -0.54 -0.37	14.53 -0.53 -0.31	13.67 -0.48 -0.32	14.19 -0.52 -0.27	13.10 -0.49 -0.45	15.03 -0.55 -0.38	20.31 -0.66 -0.23	18.27 -0.70 0.00	19.12 -0.80 0.00	18.33 -0.80 0.00	16.99 -0.76 0.00	16.77 -0.75 0.00	16.54 -0.72 0.00	15.57 -0.70 0.00	15.51 -0.71 0.00	15.49 -0.71 0.00	17.64 -0.79 0.00	17.91 -0.82 0.00	20.71 -0.77 -1.14	22.79 -0.82 -0.78	24.85 -0.91 -0.54	22.30 -0.77 -0.46	20.76 -0.75 -0.06	15.69 -0.54 -0.42
SITHE_IND_GS4 24172	15.13 -0.54 -0.37	14.53 -0.53 -0.31	13.67 -0.48 -0.32	14.19 -0.52 -0.27	13.10 -0.49 -0.45	15.03 -0.55 -0.38	20.31 -0.66 -0.23	18.27 -0.70 0.00	19.12 -0.80 0.00	18.33 -0.80 0.00	16.99 -0.76 0.00	16.77 -0.75 0.00	16.54 -0.72 0.00	15.57 -0.70 0.00	15.51 -0.71 0.00	15.49 -0.71 0.00	17.64 -0.79 0.00	17.91 -0.82 0.00	20.71 -0.77 -1.14	22.79 -0.82 -0.78	24.85 -0.91 -0.54	22.30 -0.77 -0.46	20.76 -0.75 -0.06	15.69 -0.54 -0.42
SITHE___BATAVIA 24024	15.47 -0.47 -0.64	14.75 -0.55 -0.53	13.95 -0.44 -0.56	14.43 -0.48 -0.48	13.41 -0.51 -0.78	15.30 -0.56 -0.66	20.65 -0.50 -0.41	18.62 -0.72 -0.38	19.20 -0.96 -0.24	18.18 -1.05 -0.10	16.86 -1.03 -0.14	16.67 -1.05 -0.20	16.45 -1.04 -0.22	15.50 -1.04 -0.27	15.42 -1.10 -0.30	15.43 -1.09 -0.31	17.51 -1.18 -0.25	17.91 -1.24 -0.41	21.07 -1.26 -1.99	22.89 -1.30 -1.35	24.69 -1.46 -0.94	22.28 -1.13 -0.80	20.50 -1.05 -0.10	16.02 -0.52 -0.74
SITHE___INDEPEND 23800	15.16 -0.50 -0.37	14.53 -0.53 -0.31	13.67 -0.48 -0.32	14.18 -0.52 -0.27	13.10 -0.49 -0.45	15.03 -0.55 -0.38	20.31 -0.66 -0.23	19.08 -0.70 -0.81	19.64 -0.80 -0.53	18.54 -0.80 -0.22	17.29 -0.76 -0.30	17.22 -0.74 -0.43	17.01 -0.73 -0.47	16.15 -0.70 -0.58	16.16 -0.71 -0.65	16.16 -0.71 -0.67	18.21 -0.77 -0.55	18.82 -0.81 -0.89	20.70 -0.79 -1.15	22.79 -0.82 -0.78	24.87 -0.88 -0.54	22.30 -0.77 -0.46	20.76 -0.75 -0.06	15.69 -0.54 -0.42
SITHE___MASSENA 23902	15.27 -0.03 0.00	14.79 0.03 0.00	13.84 0.00 0.00	14.49 0.06 0.00	13.19 0.05 0.00	15.24 0.05 0.00	20.53 -0.21 0.00	18.86 -0.11 0.00	19.69 -0.22 0.00	19.00 -0.13 0.00	17.63 -0.12 0.00	17.38 -0.14 0.00	17.11 -0.16 0.00	16.16 -0.11 0.00	16.11 -0.11 0.00	16.09 -0.11 0.00	18.25 -0.18 0.00	18.59 -0.15 0.00	20.14 -0.20 0.00	22.59 -0.25 0.00	24.88 -0.33 0.00	22.24 -0.36 0.00	21.11 -0.34 0.00	15.65 -0.16 0.00
SITHE___OGDNSBRG 24021	15.31 -0.05 -0.06	14.80 0.00 -0.05	13.84 -0.04 -0.05	14.50 0.03 -0.04	13.24 0.04 -0.07	15.32 0.06 -0.06	20.59 -0.19 -0.04	19.00 -0.09 -0.12	19.73 -0.26 -0.08	18.97 -0.19 -0.03	17.61 -0.20 -0.05	17.38 -0.21 -0.07	17.11 -0.22 -0.07	16.18 -0.18 -0.09	16.16 -0.16 -0.10	16.18 -0.13 -0.10	18.26 -0.26 -0.08	18.69 -0.19 -0.14	20.34 -0.18 -0.18	22.71 -0.25 -0.12	25.01 -0.28 -0.08	22.29 -0.38 -0.07	21.10 -0.36 -0.01	15.68 -0.19 -0.06
SITHE___STERLING 23777	15.77 0.17 -0.29	15.19 0.19 -0.25	14.27 0.18 -0.26	14.82 0.17 -0.22	13.65 0.16 -0.36	15.73 0.23 -0.30	21.30 0.37 -0.19	19.35 0.38 0.00	20.17 0.26 0.00	19.34 0.21 0.00	17.88 0.13 0.00	17.65 0.12 0.00	17.42 0.16 0.00	16.43 0.16 0.00	16.32 0.10 0.00	16.30 0.10 0.00	18.60 0.17 0.00	18.94 0.21 0.00	21.64 0.39 -0.91	23.86 0.48 -0.54	26.29 0.70 -0.38	23.47 0.54 -0.32	21.92 0.43 -0.04	16.37 0.27 -0.29
SLEIGHT__34_KV_TB1 80719	16.03 0.15 -0.57	15.32 0.09 -0.47	14.43 0.10 -0.49	14.91 0.06 -0.42	13.86 0.03 -0.70	15.89 0.11 -0.59	21.47 0.37 -0.36	20.48 0.25 -1.26	20.83 0.10 -0.82	19.48 0.02 -0.33	18.18 -0.04 -0.46	18.17 -0.02 -0.67	18.00 0.00 -0.73	17.14 -0.03 -0.90	17.18 -0.05 -1.01	17.19 -0.05 -1.03	19.28 0.00 -0.85	20.07 -0.04 -1.37	22.21 0.10 -1.77	24.29 0.25 -1.21	26.35 0.30 -0.84	23.64 0.32 -0.72	21.74 0.19 -0.09	16.62 0.16 -0.66
SOUTH CAIRO___GT 23612	21.40 0.44 -5.66	19.83 0.37 -4.70	19.10 0.36 -4.91	18.93 0.30 -4.20	20.43 0.39 -6.90	21.52 0.52 -5.80	25.08 0.77 -3.57	32.58 0.66 -12.94	28.99 0.72 -8.37	23.07 0.69 -3.25	22.94 0.48 -4.71	24.68 0.40 -6.76	25.05 0.40 -7.38	25.74 0.36 -9.12	26.74 0.36 -10.17	27.05 0.44 -10.40	27.56 0.57 -8.55	33.26 0.60 -13.92	38.33 0.73 -17.25	35.63 0.82 -11.97	34.64 1.06 -8.38	30.61 0.88 -7.12	23.12 0.77 -0.90	22.82 0.49 -6.52
SOUTH HAMPTN___IC 23720	25.03 1.70 -8.03	22.63 1.56 -6.31	19.50 1.45 -4.21	20.20 1.50 -4.27	20.42 1.37 -5.92	24.53 1.58 -7.75	30.18 2.30 -7.14	32.22 2.03 -11.22	31.61 2.39 -9.31	26.97 2.18 -5.66	27.26 1.99 -7.51	27.25 1.98 -7.74	26.81 1.95 -7.59	27.11 1.84 -9.00	27.29 1.78 -9.29	27.74 1.81 -9.72	28.66 2.12 -8.10	33.77 2.04 -12.99	38.83 2.22 -16.27	38.46 2.53 -13.09	43.16 2.55 -15.41	35.01 2.46 -9.94	26.80 2.32 -3.03	22.96 1.57 -5.59
SOUTHDOW__115KV_TB1 355954	16.29 0.18 -0.80	15.41 -0.01 -0.67	14.62 0.08 -0.70	15.07 0.04 -0.59	14.07 -0.04 -0.98	15.97 -0.05 -0.82	21.66 0.41 -0.51	21.24 0.49 -1.77	21.32 0.26 -1.15	19.84 0.25 -0.46	18.60 0.20 -0.65	18.64 0.18 -0.94	18.29 0.00 -1.03	17.46 -0.08 -1.27	17.43 -0.21 -1.42	17.41 -0.24 -1.45	19.40 -0.22 -1.19	20.41 -0.26 -1.93	22.26 -0.57 -2.48	24.03 -0.50 -1.69	25.86 -0.53 -1.18	23.45 -0.16 -1.01	21.36 -0.21 -0.13	16.79 0.06 -0.92
SOUTHOLD_69_KV_BK 2 55809	25.08 1.76 -8.02	22.83 1.77 -6.31	19.69 1.65 -4.20	20.40 1.70 -4.26	20.60 1.55 -5.91	24.73 1.79 -7.74	30.51 2.63 -7.14	32.05 2.35 -10.73	31.63 2.73 -8.99	27.21 2.53 -5.55	27.39 2.29 -7.34	27.30 2.28 -7.50	26.82 2.23 -7.32	27.03 2.10 -8.66	27.16 2.03 -8.91	27.59 2.04 -9.34	28.60 2.38 -7.79	33.52 2.30 -12.48	39.15 2.52 -16.28	38.78 2.88 -13.06	43.50 2.90 -15.39	35.31 2.78 -9.93	27.11 2.64 -3.02	23.28 1.90 -5.58
SOUTHOLD___IC 23719	25.29 1.96 -8.03	22.84 1.77 -6.31	19.69 1.65 -4.21	20.40 1.70 -4.27	20.60 1.55 -5.92	24.74 1.79 -7.75	30.53 2.66 -7.14	32.56 2.37 -11.22	31.95 2.73 -9.31	27.32 2.53 -5.66	27.58 2.31 -7.51	27.54 2.28 -7.74	27.09 2.23 -7.59	27.37 2.10 -9.00	27.57 2.06 -9.29	28.00 2.07 -9.72	28.93 2.40 -8.10	34.09 2.36 -12.99	39.16 2.54 -16.27	38.83 2.90 -13.09	43.57 2.95 -15.41	35.39 2.85 -9.94	27.12 2.64 -3.03	23.22 1.82 -5.59

SPIERFLS_115KV_TB 1 80737	22.20 0.55 -6.35	20.55 0.52 -5.28	19.84 0.50 -5.51	19.65 0.51 -4.71	21.32 0.45 -7.74	22.29 0.58 -6.51	25.74 1.00 -4.01	33.86 0.83 -14.05	29.87 0.88 -9.09	23.43 0.86 -3.43	23.59 0.75 -5.09	25.53 0.75 -7.25	25.93 0.73 -7.94	26.73 0.65 -9.80	27.77 0.63 -10.92	27.98 0.62 -11.16	28.39 0.77 -9.18	34.58 0.86 -14.99	40.47 0.96 -19.17	37.32 1.07 -13.41	35.92 1.34 -9.38	31.73 1.15 -7.98	23.49 1.03 -1.01	23.76 0.65 -7.30
ST LAWRENCE____ 23600	15.06 -0.25 0.00	14.56 -0.19 0.00	13.64 -0.19 0.00	14.26 -0.17 0.00	12.99 -0.14 0.00	15.00 -0.20 0.00	20.32 -0.41 0.00	18.66 -0.30 0.00	19.55 -0.36 0.00	18.82 -0.31 0.00	17.47 -0.28 0.00	17.24 -0.28 0.00	16.97 -0.29 0.00	16.01 -0.26 0.00	15.98 -0.24 0.00	15.96 -0.24 0.00	18.14 -0.30 0.00	18.46 -0.28 0.00	20.00 -0.35 0.00	22.43 -0.41 0.00	24.70 -0.50 0.00	22.11 -0.50 0.00	21.00 -0.45 0.00	15.52 -0.28 0.00
STATE_CA_115KV_115_LB 55624	21.75 0.31 -6.14	20.16 0.30 -5.11	19.46 0.29 -5.33	19.31 0.32 -4.56	20.90 0.28 -7.49	21.84 0.33 -6.30	25.05 0.44 -3.88	32.89 0.32 -13.60	29.12 0.42 -8.79	22.80 0.40 -3.27	23.04 0.37 -4.91	24.86 0.37 -6.97	25.26 0.36 -7.63	26.03 0.33 -9.43	27.04 0.32 -10.49	27.24 0.32 -10.71	27.67 0.41 -8.83	33.57 0.41 -14.42	39.22 0.45 -18.43	36.32 0.50 -12.98	34.87 0.58 -9.08	30.84 0.52 -7.72	22.90 0.47 -0.98	23.13 0.25 -7.07
STATE_ST_34_KV_LOAD 55959	15.86 -0.03 -0.59	15.18 -0.06 -0.49	14.29 -0.06 -0.51	14.77 -0.10 -0.43	13.74 -0.11 -0.71	15.71 -0.09 -0.60	21.34 0.23 -0.37	20.38 0.11 -1.30	20.73 -0.02 -0.84	19.39 -0.08 -0.34	18.12 -0.11 -0.47	18.12 -0.09 -0.69	17.95 -0.07 -0.75	17.10 -0.10 -0.92	17.16 -0.10 -1.03	17.15 -0.11 -1.06	19.23 -0.07 -0.87	20.05 -0.09 -1.41	22.20 0.04 -1.81	24.26 0.18 -1.24	26.33 0.25 -0.86	23.61 0.27 -0.74	21.69 0.15 -0.09	16.59 0.11 -0.67
STATION 5_MISC_HYD 23604	15.59 -0.31 -0.59	14.90 -0.35 -0.49	14.07 -0.28 -0.51	14.57 -0.30 -0.44	13.52 -0.34 -0.72	15.43 -0.38 -0.61	20.80 -0.31 -0.37	18.78 -0.53 -0.35	19.44 -0.70 -0.22	18.47 -0.75 -0.09	17.17 -0.71 -0.13	16.99 -0.72 -0.18	16.77 -0.69 -0.20	15.83 -0.68 -0.25	15.77 -0.73 -0.28	15.76 -0.73 -0.28	17.87 -0.79 -0.23	18.25 -0.86 -0.38	21.38 -0.79 -1.83	23.26 -0.82 -1.25	25.12 -0.96 -0.87	22.62 -0.72 -0.74	20.88 -0.67 -0.09	16.17 -0.32 -0.68
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	15.73 -0.14 -0.56	14.99 -0.24 -0.47	14.14 -0.18 -0.49	14.65 -0.20 -0.42	13.60 -0.22 -0.68	15.55 -0.23 -0.58	20.97 -0.12 -0.35	19.93 -0.28 -1.24	20.28 -0.44 -0.80	18.96 -0.50 -0.32	17.71 -0.50 -0.45	17.69 -0.49 -0.66	17.52 -0.47 -0.72	16.68 -0.52 -0.89	16.69 -0.52 -0.99	16.72 -0.50 -1.01	18.79 -0.48 -0.83	19.56 -0.52 -1.35	21.61 -0.47 -1.74	23.61 -0.41 -1.18	25.58 -0.45 -0.83	22.97 -0.34 -0.70	21.15 -0.39 -0.09	16.26 -0.19 -0.65
STA_56_34_KV_BUS2_REV_LBMP_B 345033	15.54 -0.32 -0.56	14.79 -0.43 -0.47	13.98 -0.35 -0.49	14.47 -0.38 -0.42	13.43 -0.39 -0.68	15.32 -0.46 -0.58	20.70 -0.39 -0.35	19.62 -0.59 -1.24	19.96 -0.76 -0.80	18.65 -0.80 -0.32	17.45 -0.76 -0.45	17.43 -0.75 -0.66	17.26 -0.73 -0.72	16.42 -0.73 -0.89	16.43 -0.78 -0.99	16.46 -0.76 -1.01	18.47 -0.79 -0.83	19.23 -0.86 -1.35	21.23 -0.85 -1.74	23.18 -0.84 -1.19	25.08 -0.96 -0.83	22.56 -0.75 -0.71	20.79 -0.75 -0.09	16.05 -0.40 -0.65
STA_56____34_KV_BUS2 355983	15.54 -0.32 -0.56	14.79 -0.43 -0.47	13.98 -0.35 -0.49	14.47 -0.38 -0.42	13.43 -0.39 -0.68	15.32 -0.46 -0.58	20.70 -0.39 -0.35	19.62 -0.59 -1.24	19.96 -0.76 -0.80	18.65 -0.80 -0.32	17.45 -0.76 -0.45	17.43 -0.75 -0.66	17.26 -0.73 -0.72	16.42 -0.73 -0.89	16.43 -0.78 -0.99	16.46 -0.76 -1.01	18.47 -0.79 -0.83	19.23 -0.86 -1.35	21.23 -0.85 -1.74	23.18 -0.84 -1.19	25.08 -0.96 -0.83	22.56 -0.75 -0.71	20.79 -0.75 -0.09	16.05 -0.40 -0.65
STA_67____115KV_BK2 355882	15.60 -0.28 -0.57	14.85 -0.38 -0.48	14.03 -0.30 -0.50	14.52 -0.33 -0.42	13.48 -0.35 -0.70	15.37 -0.41 -0.59	20.75 -0.35 -0.36	19.66 -0.57 -1.27	19.99 -0.74 -0.82	18.68 -0.78 -0.33	17.47 -0.75 -0.46	17.46 -0.74 -0.67	17.29 -0.71 -0.73	16.46 -0.72 -0.90	16.47 -0.76 -1.01	16.49 -0.75 -1.03	18.51 -0.77 -0.85	19.25 -0.86 -1.38	21.26 -0.85 -1.77	23.20 -0.84 -1.21	25.10 -0.96 -0.84	22.60 -0.72 -0.72	20.83 -0.71 -0.09	16.11 -0.35 -0.66
STA_7____115KV_9TRANS 80674	15.69 -0.18 -0.57	14.94 -0.30 -0.48	14.10 -0.24 -0.50	14.60 -0.26 -0.42	13.54 -0.29 -0.70	15.45 -0.33 -0.59	20.89 -0.21 -0.36	19.80 -0.44 -1.27	20.13 -0.60 -0.82	18.81 -0.65 -0.33	17.60 -0.62 -0.46	17.56 -0.63 -0.67	17.41 -0.59 -0.73	16.57 -0.60 -0.90	16.58 -0.65 -1.01	16.61 -0.63 -1.03	18.64 -0.65 -0.85	19.40 -0.71 -1.38	21.42 -0.69 -1.77	23.38 -0.66 -1.21	25.30 -0.76 -0.84	22.78 -0.54 -0.72	20.96 -0.58 -0.09	16.21 -0.25 -0.66
STA_82____115KV_TB1 80780	15.61 -0.26 -0.57	14.85 -0.38 -0.48	14.03 -0.30 -0.50	14.52 -0.33 -0.42	13.48 -0.35 -0.70	15.38 -0.41 -0.59	20.75 -0.35 -0.36	19.67 -0.57 -1.27	20.00 -0.74 -0.82	18.68 -0.78 -0.33	17.48 -0.75 -0.46	17.46 -0.74 -0.67	17.29 -0.71 -0.73	16.46 -0.72 -0.90	16.49 -0.75 -1.01	16.50 -0.75 -1.04	18.51 -0.77 -0.85	19.27 -0.84 -1.38	21.26 -0.85 -1.77	23.23 -0.82 -1.21	25.12 -0.93 -0.85	22.60 -0.72 -0.72	20.83 -0.71 -0.09	16.12 -0.35 -0.66
STEEL____WIND 323596	15.60 -0.47 -0.78	14.87 -0.53 -0.65	14.11 -0.40 -0.67	14.56 -0.45 -0.58	13.61 -0.47 -0.95	15.39 -0.61 -0.80	20.71 -0.52 -0.49	18.80 -0.63 -0.45	19.35 -0.86 -0.29	18.41 -0.84 -0.12	17.14 -0.78 -0.17	16.99 -0.77 -0.24	16.68 -0.85 -0.26	15.75 -0.85 -0.32	15.66 -0.92 -0.36	15.65 -0.92 -0.37	17.71 -1.03 -0.30	18.09 -1.14 -0.49	21.42 -1.32 -2.40	23.04 -1.42 -1.62	24.66 -1.69 -1.14	22.33 -1.24 -0.97	20.52 -1.05 -0.12	16.18 -0.51 -0.88
STEPHTWN_115KV_BK_2 55603	21.74 0.37 -6.07	20.17 0.37 -5.05	19.46 0.36 -5.26	19.32 0.39 -4.50	20.87 0.33 -7.40	21.84 0.41 -6.23	25.13 0.56 -3.83	32.82 0.42 -13.44	29.11 0.52 -8.68	22.87 0.52 -3.22	23.05 0.44 -4.85	24.84 0.44 -6.88	25.24 0.43 -7.54	25.99 0.41 -9.31	26.99 0.41 -10.36	27.19 0.41 -10.58	27.66 0.52 -8.71	33.52 0.54 -14.24	39.11 0.57 -18.20	36.30 0.64 -12.82	34.91 0.73 -8.97	30.88 0.66 -7.63	23.02 0.60 -0.96	23.12 0.33 -6.98
STEBEN_REC_LFGE 323667	16.49 0.23 -0.96	15.65 0.10 -0.79	14.80 0.14 -0.83	15.26 0.12 -0.71	14.37 0.07 -1.17	16.29 0.11 -0.98	21.80 0.46 -0.60	21.37 0.28 -2.12	21.32 0.04 -1.37	19.64 -0.04 -0.55	18.46 -0.07 -0.77	18.59 -0.05 -1.12	18.39 -0.10 -1.22	17.63 -0.15 -1.51	17.72 -0.19 -1.69	17.74 -0.19 -1.73	19.73 -0.13 -1.42	20.93 -0.11 -2.30	23.16 -0.14 -2.96	24.86 0.00 -2.02	26.60 -0.03 -1.41	23.89 0.09 -1.20	21.62 0.02 -0.15	17.05 0.14 -1.10
STONY____BROOK 24151	24.92 1.59 -8.03	22.50 1.43 -6.31	19.39 1.34 -4.21	20.09 1.39 -4.27	20.32 1.26 -5.92	24.39 1.44 -7.75	30.01 2.14 -7.14	32.07 1.88 -11.22	31.45 2.23 -9.31	26.92 2.12 -5.66	27.21 1.94 -7.51	27.19 1.93 -7.74	26.78 1.92 -7.59	27.06 1.79 -9.00	27.26 1.75 -9.29	27.70 1.77 -9.72	28.56 2.03 -8.10	33.73 2.01 -12.99	38.81 2.20 -16.27	38.40 2.47 -13.09	43.09 2.47 -15.41	34.90 2.35 -9.94	26.73 2.25 -3.03	22.93 1.53 -5.59

STURGEON_POOL_HYD 23609	20.84 0.83 -4.71	19.50 0.83 -3.92	18.69 0.76 -4.09	18.65 0.72 -3.50	19.65 0.76 -5.75	20.90 0.87 -4.84	24.84 1.12 -2.98	30.45 1.04 -10.44	27.97 1.31 -6.75	23.51 1.55 -2.83	22.83 1.23 -3.85	24.35 1.19 -5.63	24.57 1.17 -6.13	24.95 1.12 -7.56	25.79 1.10 -8.47	26.08 1.18 -8.69	26.85 1.29 -7.12	31.49 1.24 -11.52	36.62 1.44 -14.83	34.35 1.55 -9.96	33.81 1.64 -6.97	29.93 1.40 -5.92	23.51 1.31 -0.75	22.14 0.92 -5.42
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	20.63 0.81 -4.52	19.31 0.80 -3.76	18.51 0.75 -3.92	18.54 0.75 -3.36	19.37 0.72 -5.51	20.66 0.82 -4.64	24.74 1.14 -2.86	30.02 1.04 -10.01	27.64 1.25 -6.47	23.21 1.22 -2.86	22.66 1.17 -3.73	24.19 1.14 -5.53	24.38 1.12 -6.00	24.72 1.06 -7.39	25.57 1.05 -8.30	25.83 1.09 -8.54	26.64 1.22 -6.98	31.18 1.20 -11.24	36.16 1.30 -14.52	33.85 1.46 -9.55	33.45 1.56 -6.68	29.64 1.36 -5.68	23.46 1.29 -0.72	21.92 0.92 -5.20
SWANROAD_115KV_TB1 355699	15.27 -0.72 -0.68	14.44 -0.89 -0.57	13.71 -0.72 -0.59	14.16 -0.78 -0.51	13.19 -0.77 -0.83	14.93 -0.97 -0.70	20.03 -1.14 -0.43	19.09 -1.38 -1.51	19.24 -1.65 -0.98	17.92 -1.61 -0.39	16.84 -1.47 -0.55	16.87 -1.45 -0.80	16.65 -1.48 -0.87	15.87 -1.48 -1.08	15.90 -1.52 -1.20	15.92 -1.52 -1.23	17.79 -1.66 -1.01	18.60 -1.78 -1.64	20.42 -2.03 -2.11	22.18 -2.10 -1.44	23.77 -2.45 -1.01	21.56 -1.90 -0.86	19.84 -1.72 -0.11	15.64 -0.95 -0.78
SYNERGY___BIOGAS 323694	15.47 -0.47 -0.64	14.75 -0.55 -0.53	13.95 -0.44 -0.56	14.43 -0.48 -0.48	13.41 -0.51 -0.78	15.30 -0.56 -0.66	20.65 -0.50 -0.41	18.62 -0.72 -0.38	19.20 -0.96 -0.24	18.18 -1.05 -0.10	16.86 -1.03 -0.14	16.67 -1.05 -0.20	16.45 -1.04 -0.22	15.50 -1.04 -0.27	15.42 -1.10 -0.30	15.43 -1.09 -0.31	17.51 -1.18 -0.25	17.91 -1.24 -0.41	21.07 -1.26 -1.99	22.89 -1.30 -1.35	24.69 -1.46 -0.94	22.28 -1.13 -0.80	20.50 -1.05 -0.10	16.02 -0.52 -0.74
SYRACUSE___ENERGY_ST1 323597	15.63 -0.18 -0.51	14.99 -0.19 -0.43	14.12 -0.17 -0.44	14.61 -0.20 -0.38	13.56 -0.20 -0.62	15.52 -0.20 -0.52	20.90 -0.17 -0.32	19.01 -0.25 -0.29	19.76 -0.34 -0.19	18.82 -0.38 -0.08	17.49 -0.37 -0.11	17.31 -0.37 -0.15	17.09 -0.35 -0.17	16.14 -0.34 -0.21	16.11 -0.34 -0.23	16.09 -0.36 -0.24	18.26 -0.37 -0.20	18.66 -0.39 -0.32	21.64 -0.28 -1.58	23.70 -0.23 -1.09	25.75 -0.23 -0.76	23.07 -0.18 -0.65	21.32 -0.21 -0.08	16.24 -0.16 -0.60
SYRACUSE___ENERGY_ST2 323598	15.63 -0.18 -0.51	14.99 -0.19 -0.43	14.12 -0.17 -0.44	14.61 -0.20 -0.38	13.56 -0.20 -0.62	15.52 -0.20 -0.52	20.90 -0.17 -0.32	19.01 -0.25 -0.29	19.76 -0.34 -0.19	18.82 -0.38 -0.08	17.49 -0.37 -0.11	17.31 -0.37 -0.15	17.09 -0.35 -0.17	16.14 -0.34 -0.21	16.11 -0.34 -0.23	16.09 -0.36 -0.24	18.26 -0.37 -0.20	18.66 -0.39 -0.32	21.64 -0.28 -1.58	23.70 -0.23 -1.09	25.75 -0.23 -0.76	23.07 -0.18 -0.65	21.32 -0.21 -0.08	16.24 -0.16 -0.60
SYRACUSE___POWER 24017	15.68 -0.15 -0.53	15.01 -0.19 -0.44	14.12 -0.18 -0.46	14.63 -0.20 -0.40	13.59 -0.20 -0.65	15.55 -0.20 -0.55	20.93 -0.15 -0.34	19.90 -0.25 -1.18	20.34 -0.34 -0.76	19.06 -0.38 -0.31	17.82 -0.37 -0.43	17.78 -0.37 -0.63	17.60 -0.35 -0.68	16.77 -0.34 -0.84	16.82 -0.34 -0.94	16.82 -0.36 -0.97	18.86 -0.37 -0.79	19.65 -0.37 -1.29	21.73 -0.26 -1.65	23.76 -0.21 -1.13	25.77 -0.23 -0.79	23.12 -0.16 -0.67	21.32 -0.21 -0.08	16.26 -0.16 -0.61
TALLMAN__138KV_BK151 55660	20.87 0.92 -4.65	19.52 0.90 -3.87	18.70 0.83 -4.03	18.72 0.84 -3.45	19.61 0.80 -5.67	20.88 0.91 -4.77	24.96 1.29 -2.94	30.44 1.18 -10.29	27.96 1.39 -6.65	23.45 1.38 -2.94	22.92 1.33 -3.83	24.52 1.31 -5.69	24.73 1.29 -6.17	25.10 1.22 -7.61	25.98 1.22 -8.54	26.23 1.23 -8.79	26.99 1.36 -7.19	31.65 1.35 -11.57	36.77 1.49 -14.94	34.30 1.64 -9.82	33.82 1.74 -6.87	29.98 1.54 -5.84	23.63 1.44 -0.74	22.18 1.03 -5.35
TEALLAVE_115KV_TB7 355573	15.54 -0.21 -0.45	14.88 -0.25 -0.37	14.01 -0.22 -0.39	14.51 -0.26 -0.33	13.45 -0.24 -0.55	15.40 -0.26 -0.46	20.79 -0.23 -0.28	19.64 -0.32 -0.99	20.14 -0.42 -0.64	18.95 -0.44 -0.26	17.69 -0.43 -0.36	17.65 -0.40 -0.53	17.44 -0.40 -0.57	16.59 -0.39 -0.71	16.63 -0.39 -0.79	16.63 -0.39 -0.81	18.70 -0.41 -0.67	19.37 -0.45 -1.08	21.37 -0.37 -1.39	23.47 -0.32 -0.95	25.54 -0.33 -0.66	22.90 -0.27 -0.56	21.22 -0.30 -0.07	16.10 -0.22 -0.52
TELGRAPH_34_KV_EAST 80808	15.51 -0.44 -0.65	14.71 -0.59 -0.54	13.93 -0.47 -0.56	14.41 -0.51 -0.48	13.39 -0.54 -0.79	15.21 -0.65 -0.67	20.46 -0.68 -0.41	19.50 -0.91 -1.44	19.69 -1.15 -0.93	18.34 -1.17 -0.37	17.18 -1.10 -0.53	17.20 -1.09 -0.76	16.99 -1.10 -0.83	16.19 -1.11 -1.03	16.20 -1.17 -1.15	16.21 -1.17 -1.17	18.16 -1.24 -0.96	18.97 -1.33 -1.56	20.85 -1.51 -2.01	22.70 -1.51 -1.37	24.40 -1.76 -0.96	22.09 -1.33 -0.82	20.33 -1.22 -0.10	15.94 -0.62 -0.75
TEMPLE___115KV_TB 2 55572	15.56 -0.20 -0.46	14.90 -0.24 -0.38	14.01 -0.22 -0.40	14.53 -0.25 -0.34	13.46 -0.24 -0.56	15.41 -0.26 -0.47	20.80 -0.23 -0.29	19.68 -0.30 -1.01	20.17 -0.40 -0.66	18.97 -0.42 -0.26	17.72 -0.41 -0.37	17.66 -0.40 -0.54	17.47 -0.38 -0.59	16.62 -0.37 -0.72	16.66 -0.37 -0.81	16.65 -0.39 -0.83	18.71 -0.41 -0.68	19.41 -0.43 -1.10	21.42 -0.35 -1.42	23.51 -0.30 -0.97	25.56 -0.33 -0.68	22.93 -0.25 -0.58	21.25 -0.28 -0.07	16.13 -0.21 -0.53
TIANA____69_KV_BK 1 55817	24.81 1.48 -8.02	22.57 1.51 -6.31	19.45 1.41 -4.20	20.15 1.46 -4.26	20.38 1.33 -5.91	24.48 1.53 -7.74	30.09 2.22 -7.14	31.66 1.95 -10.73	31.23 2.33 -8.99	26.82 2.14 -5.55	27.05 1.95 -7.34	26.96 1.94 -7.50	26.49 1.90 -7.32	26.74 1.81 -8.66	26.86 1.72 -8.91	27.28 1.73 -9.34	28.27 2.05 -7.79	33.18 1.97 -12.48	38.76 2.14 -16.28	38.37 2.47 -13.06	43.02 2.42 -15.39	34.88 2.35 -9.93	26.71 2.23 -3.02	23.01 1.63 -5.58
TILDEN___115KV_TB1 80814	15.68 -0.15 -0.53	15.01 -0.19 -0.44	14.12 -0.18 -0.46	14.63 -0.20 -0.40	13.59 -0.20 -0.65	15.55 -0.20 -0.55	20.93 -0.15 -0.34	19.90 -0.25 -1.18	20.34 -0.34 -0.76	19.06 -0.38 -0.31	17.82 -0.37 -0.43	17.78 -0.37 -0.63	17.60 -0.35 -0.68	16.77 -0.34 -0.84	16.82 -0.34 -0.94	16.82 -0.36 -0.97	18.86 -0.37 -0.79	19.65 -0.37 -1.29	21.73 -0.26 -1.65	23.76 -0.21 -1.13	25.77 -0.23 -0.79	23.12 -0.16 -0.67	21.32 -0.21 -0.08	16.26 -0.16 -0.61
TRIGEN___CC 323695	24.52 1.19 -8.02	22.26 1.20 -6.31	19.16 1.12 -4.20	19.85 1.15 -4.26	20.10 1.05 -5.91	24.14 1.20 -7.74	29.60 1.72 -7.14	31.22 1.52 -10.73	30.71 1.81 -8.99	26.48 1.80 -5.55	26.78 1.69 -7.34	26.68 1.66 -7.50	26.23 1.64 -7.32	26.48 1.55 -8.66	26.65 1.51 -8.91	27.06 1.51 -9.34	27.90 1.68 -7.79	32.84 1.63 -12.48	38.44 1.81 -16.28	37.91 2.01 -13.06	42.74 2.14 -15.39	34.45 1.92 -9.93	26.36 1.89 -3.02	22.76 1.38 -5.58
TRINITY__115KV__ 4 BK 55933	21.64 0.26 -6.08	20.08 0.27 -5.06	19.37 0.26 -5.27	19.23 0.29 -4.51	20.80 0.25 -7.42	21.73 0.29 -6.24	24.95 0.37 -3.84	32.70 0.27 -13.46	28.97 0.36 -8.70	22.70 0.34 -3.22	22.93 0.32 -4.85	24.71 0.30 -6.89	25.13 0.31 -7.55	25.87 0.28 -9.33	26.87 0.28 -10.37	27.07 0.28 -10.59	27.51 0.35 -8.73	33.35 0.36 -14.26	38.93 0.37 -18.22	36.12 0.43 -12.84	34.67 0.48 -8.98	30.67 0.43 -7.64	22.83 0.41 -0.97	23.01 0.21 -7.00

UNION___PROCESSING_DRP 323587	15.61 -0.26 -0.57	14.85 -0.38 -0.48	14.03 -0.30 -0.50	14.52 -0.33 -0.42	13.48 -0.35 -0.70	15.38 -0.41 -0.59	20.77 -0.33 -0.36	19.69 -0.55 -1.27	20.00 -0.74 -0.82	18.70 -0.77 -0.33	17.49 -0.73 -0.46	17.46 -0.74 -0.67	17.29 -0.71 -0.73	16.46 -0.72 -0.90	16.49 -0.75 -1.01	16.50 -0.75 -1.04	18.51 -0.77 -0.85	19.27 -0.84 -1.38	21.28 -0.83 -1.77	23.23 -0.82 -1.21	25.12 -0.93 -0.85	22.62 -0.70 -0.72	20.83 -0.71 -0.09	16.13 -0.33 -0.66
UPPER HUDSON___HYD 24058	22.29 0.63 -6.36	20.56 0.52 -5.29	19.85 0.50 -5.52	19.66 0.50 -4.72	21.34 0.45 -7.76	22.30 0.58 -6.53	25.75 1.00 -4.02	34.27 0.83 -14.46	30.14 0.88 -9.35	23.49 0.86 -3.49	23.73 0.75 -5.22	25.70 0.75 -7.43	26.13 0.73 -8.14	26.97 0.65 -10.05	27.65 0.24 -11.18	27.86 0.23 -11.42	28.17 0.33 -9.41	34.50 0.39 -15.36	39.90 0.45 -19.11	36.78 0.50 -13.44	35.29 0.68 -9.40	31.19 0.59 -8.00	23.49 1.03 -1.01	23.77 0.65 -7.32
UPPER RAQUET___HYD 24056	14.81 -0.49 0.00	14.34 -0.41 0.00	13.42 -0.41 0.00	14.06 -0.38 0.00	12.81 -0.33 0.00	14.83 -0.36 0.00	19.97 -0.77 0.00	18.36 -0.61 0.00	19.12 -0.80 0.00	18.44 -0.69 0.00	17.08 -0.67 0.00	16.86 -0.67 0.00	16.57 -0.69 0.00	15.67 -0.60 0.00	15.62 -0.60 0.00	15.61 -0.60 0.00	17.70 -0.74 0.00	18.06 -0.67 0.00	19.59 -0.75 0.00	21.99 -0.84 0.00	24.28 -0.93 0.00	21.63 -0.97 0.00	20.49 -0.96 0.00	15.19 -0.62 0.00
VALLEY44_115KV_TB2 355964	15.70 -0.43 -0.82	14.88 -0.56 -0.69	14.08 -0.47 -0.71	14.54 -0.51 -0.61	13.63 -0.51 -1.00	15.44 -0.61 -0.85	20.76 -0.50 -0.52	20.58 -0.21 -1.82	20.63 -0.46 -1.18	19.13 -0.48 -0.48	17.96 -0.46 -0.67	18.03 -0.46 -0.97	17.82 -0.50 -1.06	17.05 -0.52 -1.30	17.09 -0.58 -1.45	17.11 -0.58 -1.49	19.09 -0.57 -1.22	20.10 -0.62 -1.99	21.78 -1.12 -2.55	23.46 -1.12 -1.74	25.12 -1.31 -1.22	22.64 -0.99 -1.04	20.62 -0.97 -0.13	16.26 -0.49 -0.95
VALLEY___115KV_TB 1-4 80826	15.31 -0.03 -0.03	14.74 -0.04 -0.03	13.84 -0.03 -0.03	14.43 -0.03 -0.03	13.15 -0.03 -0.04	15.23 0.00 -0.04	20.70 -0.06 -0.02	18.97 -0.08 -0.08	19.88 -0.08 -0.05	19.07 -0.08 -0.02	17.70 -0.09 -0.03	17.47 -0.09 -0.04	17.22 -0.09 -0.04	16.24 -0.08 -0.05	16.18 -0.10 -0.06	16.15 -0.11 -0.06	18.36 -0.13 -0.05	18.67 -0.15 -0.08	20.29 -0.16 -0.10	22.73 -0.18 -0.07	25.08 -0.18 -0.05	22.53 -0.11 -0.04	21.35 -0.11 -0.01	15.78 -0.06 -0.04
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	17.74 0.52 -1.92	16.84 0.49 -1.60	15.96 0.46 -1.66	16.32 0.46 -1.42	15.90 0.42 -2.34	17.68 0.52 -1.97	22.86 0.91 -1.21	24.07 0.85 -4.25	23.49 0.84 -2.75	21.03 0.78 -1.11	20.01 0.69 -1.56	20.46 0.68 -2.26	20.42 0.69 -2.46	19.96 0.65 -3.04	20.21 0.60 -3.39	20.28 0.60 -3.48	21.99 0.70 -2.85	24.10 0.73 -4.63	27.02 0.73 -5.95	27.78 0.89 -4.05	29.13 1.08 -2.83	25.99 0.97 -2.41	22.64 0.88 -0.30	18.64 0.63 -2.21
VISCHER___FERRY HYD 24020	22.02 0.54 -6.18	20.38 0.49 -5.14	19.67 0.47 -5.36	19.51 0.49 -4.59	21.11 0.43 -7.54	22.06 0.52 -6.34	25.39 0.75 -3.91	33.68 0.63 -14.08	29.75 0.74 -9.11	23.11 0.67 -3.31	23.42 0.60 -5.06	25.27 0.60 -7.15	25.70 0.59 -7.85	26.52 0.55 -9.69	27.52 0.52 -10.77	27.70 0.50 -10.99	28.12 0.63 -9.06	34.21 0.64 -14.83	39.44 0.71 -18.38	36.73 0.82 -13.07	35.26 0.91 -9.14	31.21 0.84 -7.77	23.27 0.84 -0.98	23.43 0.51 -7.12
V_A_10_SYNC_DSASP 323832	15.42 -0.54 -0.66	14.73 -0.58 -0.55	13.95 -0.46 -0.57	14.41 -0.51 -0.49	13.42 -0.51 -0.80	15.23 -0.64 -0.67	20.49 -0.66 -0.41	18.36 -0.99 -0.38	18.97 -1.19 -0.25	18.04 -1.19 -0.10	16.81 -1.08 -0.14	16.66 -1.07 -0.20	16.40 -1.09 -0.22	15.47 -1.07 -0.27	15.39 -1.14 -0.31	15.38 -1.13 -0.31	17.42 -1.27 -0.26	17.79 -1.37 -0.42	21.03 -1.34 -2.03	22.78 -1.44 -1.38	24.46 -1.72 -0.96	22.11 -1.31 -0.82	20.42 -1.14 -0.10	15.99 -0.57 -0.75
V_CMM_10_SYNC_DSASP 323787	15.12 -0.18 0.00	14.62 -0.13 0.00	13.70 -0.14 0.00	14.32 -0.12 0.00	13.04 -0.09 0.00	15.06 -0.14 0.00	20.43 -0.31 0.00	18.76 -0.21 0.00	19.63 -0.28 0.00	18.90 -0.23 0.00	17.54 -0.21 0.00	17.31 -0.21 0.00	17.04 -0.22 0.00	16.08 -0.19 0.00	16.04 -0.18 0.00	16.03 -0.18 0.00	18.21 -0.22 0.00	18.55 -0.19 0.00	20.10 -0.24 0.00	22.52 -0.32 0.00	24.83 -0.38 0.00	22.20 -0.41 0.00	21.09 -0.36 0.00	15.58 -0.22 0.00
V_CMP_10_SYNC_DSASP 323788	15.72 0.41 0.00	15.13 0.37 0.00	14.14 0.30 0.00	14.85 0.42 0.00	13.54 0.41 0.00	15.73 0.53 0.00	21.57 0.83 0.00	19.82 0.85 0.00	20.65 0.74 0.00	19.93 0.80 0.00	18.49 0.73 0.00	18.19 0.67 0.00	17.87 0.60 0.00	16.86 0.58 0.00	16.82 0.60 0.00	16.82 0.62 0.00	19.17 0.74 0.00	19.62 0.88 0.00	21.26 0.92 0.00	23.91 1.07 0.00	26.24 1.03 0.00	23.33 0.72 0.00	22.07 0.62 0.00	16.20 0.40 0.00
V_E_10_SYNC_DSASP 323830	18.65 1.53 -1.81	17.83 1.56 -1.51	16.85 1.44 -1.57	17.28 1.50 -1.35	16.77 1.42 -2.21	18.82 1.76 -1.86	24.41 2.53 -1.15	24.24 2.07 -3.21	23.50 1.51 -2.07	21.11 1.15 -0.83	19.69 0.76 -1.17	19.97 0.75 -1.70	19.95 0.83 -1.85	19.35 0.80 -2.29	19.41 0.63 -2.55	19.53 0.71 -2.62	21.58 0.99 -2.15	23.48 1.26 -3.49	27.86 1.91 -5.60	27.01 1.44 -2.73	29.01 1.89 -1.91	25.77 1.54 -1.63	22.97 1.31 -0.21	18.23 0.93 -1.49
V_F_30_NSYNC___DSASP 323816	22.36 0.72 -6.34	20.66 0.63 -5.27	19.94 0.61 -5.50	19.77 0.63 -4.70	21.41 0.55 -7.73	22.38 0.68 -6.50	25.80 1.06 -4.00	34.27 0.89 -14.41	30.18 0.96 -9.32	23.53 0.94 -3.47	23.79 0.83 -5.20	25.73 0.82 -7.39	26.15 0.79 -8.09	27.00 0.73 -10.00	27.96 0.62 -11.12	28.17 0.60 -11.36	28.53 0.74 -9.36	34.81 0.79 -15.29	40.22 0.87 -19.00	37.21 0.98 -13.39	35.73 1.16 -9.36	31.61 1.04 -7.96	23.57 1.11 -1.01	23.82 0.73 -7.29
V_F_30_SYNC_DSASP 323786	21.75 0.32 -6.12	20.14 0.30 -5.09	19.44 0.29 -5.31	19.29 0.32 -4.54	20.88 0.28 -7.47	21.82 0.33 -6.28	25.04 0.44 -3.87	33.26 0.32 -13.97	29.36 0.42 -9.03	22.90 0.40 -3.37	23.16 0.35 -5.04	25.04 0.35 -7.17	25.48 0.36 -7.85	26.30 0.33 -9.70	27.36 0.34 -10.80	27.56 0.32 -11.03	27.92 0.41 -9.08	34.00 0.43 -14.83	39.18 0.45 -18.39	36.29 0.50 -12.95	34.85 0.58 -9.06	30.83 0.52 -7.70	22.90 0.47 -0.97	23.11 0.25 -7.05
V_XM_10_SYNC_DSASP 323789	15.72 0.41 0.00	15.13 0.37 0.00	14.14 0.30 0.00	14.85 0.42 0.00	13.54 0.41 0.00	15.73 0.53 0.00	21.57 0.83 0.00	19.82 0.85 0.00	20.65 0.74 0.00	19.93 0.80 0.00	18.49 0.73 0.00	18.19 0.67 0.00	17.87 0.60 0.00	16.86 0.58 0.00	16.82 0.60 0.00	16.82 0.62 0.00	19.17 0.74 0.00	19.62 0.88 0.00	21.26 0.92 0.00	23.91 1.07 0.00	26.24 1.03 0.00	23.33 0.72 0.00	22.07 0.62 0.00	16.20 0.40 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	20.92 0.93 -4.68	19.57 0.91 -3.89	18.74 0.84 -4.06	18.77 0.87 -3.48	19.68 0.83 -5.71	20.95 0.94 -4.81	25.02 1.33 -2.96	30.55 1.21 -10.37	28.07 1.45 -6.70	23.51 1.42 -2.96	22.99 1.37 -3.86	24.59 1.33 -5.73	24.79 1.31 -6.22	25.19 1.25 -7.66	26.06 1.23 -8.60	26.33 1.26 -8.86	27.08 1.40 -7.24	31.78 1.39 -11.65	36.92 1.53 -15.05	34.42 1.69 -9.89	33.94 1.82 -6.92	30.07 1.58 -5.89	23.68 1.48 -0.74	22.25 1.06 -5.39

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	21.21 1.06 -4.85	19.83 1.05 -4.03	19.01 0.97 -4.20	19.02 1.00 -3.60	19.97 0.92 -5.91	21.20 1.03 -4.97	25.25 1.45 -3.06	31.05 1.35 -10.73	28.46 1.61 -6.94	23.83 1.63 -3.08	23.32 1.56 -4.00	25.02 1.56 -5.94	25.22 1.52 -6.44	25.66 1.45 -7.94	26.56 1.43 -8.91	26.79 1.41 -9.18	27.49 1.55 -7.50	32.33 1.52 -12.07	37.61 1.67 -15.59	34.93 1.85 -10.24	34.31 1.94 -7.16	30.43 1.74 -6.09	23.90 1.67 -0.77	22.57 1.19 -5.58
W50THST__13_KV_LOAD 356117	21.30 1.15 -4.85	19.92 1.14 -4.03	19.09 1.05 -4.20	19.11 1.08 -3.60	20.04 1.00 -5.91	21.30 1.12 -4.97	25.38 1.58 -3.06	31.18 1.48 -10.73	28.60 1.75 -6.94	23.99 1.78 -3.08	23.46 1.70 -4.00	25.16 1.70 -5.94	25.36 1.66 -6.44	25.77 1.56 -7.94	26.69 1.56 -8.91	26.91 1.52 -9.18	27.62 1.68 -7.50	32.44 1.63 -12.07	37.75 1.81 -15.59	35.06 1.99 -10.24	34.49 2.12 -7.16	30.57 1.88 -6.09	24.02 1.80 -0.77	22.66 1.28 -5.58
WADING RIVER_IC_1 23522	24.78 1.45 -8.03	22.42 1.36 -6.31	19.32 1.27 -4.21	20.00 1.30 -4.27	20.24 1.18 -5.92	24.31 1.37 -7.75	29.85 1.97 -7.14	31.90 1.71 -11.22	31.27 2.05 -9.31	26.63 1.84 -5.66	26.94 1.67 -7.51	26.93 1.67 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.02 1.51 -9.29	27.47 1.54 -9.72	28.34 1.81 -8.10	33.47 1.74 -12.99	38.49 1.87 -16.27	38.10 2.17 -13.09	42.76 2.14 -15.41	34.67 2.12 -9.94	26.45 1.97 -3.03	22.69 1.30 -5.59
WADING RIVER_IC_2 23547	24.78 1.45 -8.03	22.42 1.36 -6.31	19.32 1.27 -4.21	20.00 1.30 -4.27	20.24 1.18 -5.92	24.31 1.37 -7.75	29.85 1.97 -7.14	31.90 1.71 -11.22	31.27 2.05 -9.31	26.63 1.84 -5.66	26.94 1.67 -7.51	26.93 1.67 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.02 1.51 -9.29	27.47 1.54 -9.72	28.34 1.81 -8.10	33.47 1.74 -12.99	38.49 1.87 -16.27	38.10 2.17 -13.09	42.76 2.14 -15.41	34.67 2.12 -9.94	26.45 1.97 -3.03	22.69 1.30 -5.59
WADING RIVER_IC_3 23601	24.78 1.45 -8.03	22.42 1.36 -6.31	19.32 1.27 -4.21	20.00 1.30 -4.27	20.24 1.18 -5.92	24.31 1.37 -7.75	29.85 1.97 -7.14	31.90 1.71 -11.22	31.27 2.05 -9.31	26.63 1.84 -5.66	26.94 1.67 -7.51	26.93 1.67 -7.74	26.52 1.66 -7.59	26.83 1.56 -9.00	27.02 1.51 -9.29	27.47 1.54 -9.72	28.34 1.81 -8.10	33.47 1.74 -12.99	38.49 1.87 -16.27	38.10 2.17 -13.09	42.76 2.14 -15.41	34.67 2.12 -9.94	26.45 1.97 -3.03	22.69 1.30 -5.59
WALDENNY_12_KV_BK2 80841	15.67 -0.37 -0.73	14.83 -0.53 -0.61	14.07 -0.40 -0.64	14.53 -0.45 -0.54	13.56 -0.47 -0.89	15.34 -0.61 -0.75	20.66 -0.54 -0.46	19.93 -0.66 -1.62	20.06 -0.90 -1.05	18.69 -0.86 -0.42	17.53 -0.82 -0.59	17.59 -0.79 -0.86	17.34 -0.86 -0.94	16.55 -0.88 -1.16	16.57 -0.94 -1.29	16.59 -0.94 -1.33	18.53 -1.00 -1.09	19.40 -1.11 -1.77	21.25 -1.36 -2.27	23.02 -1.37 -1.55	24.65 -1.64 -1.08	22.35 -1.18 -0.92	20.50 -1.07 -0.12	16.13 -0.52 -0.84
WALDEN__HYDRO 24148	20.87 0.90 -4.67	19.51 0.87 -3.88	18.69 0.80 -4.05	18.67 0.78 -3.46	19.63 0.80 -5.69	20.91 0.93 -4.79	24.97 1.29 -2.95	30.97 1.20 -10.81	28.27 1.37 -6.99	23.47 1.32 -3.02	23.01 1.24 -4.01	24.63 1.19 -5.91	24.88 1.19 -6.42	25.31 1.12 -7.92	26.24 1.14 -8.88	26.54 1.20 -9.13	27.29 1.38 -7.48	32.14 1.35 -12.05	36.75 1.53 -14.88	34.41 1.69 -9.89	33.99 1.87 -6.91	30.09 1.60 -5.88	23.65 1.46 -0.74	22.22 1.03 -5.38
WARRENSBURG____ 23737	22.29 0.63 -6.36	20.56 0.52 -5.29	19.85 0.50 -5.52	19.66 0.50 -4.72	21.34 0.45 -7.76	22.30 0.58 -6.53	25.75 1.00 -4.02	34.27 0.83 -14.46	30.14 0.88 -9.35	23.49 0.86 -3.49	23.73 0.75 -5.22	25.70 0.75 -7.43	26.13 0.73 -8.14	26.97 0.65 -10.05	27.65 0.24 -11.18	27.86 0.23 -11.42	28.17 0.33 -9.41	34.50 0.39 -15.36	39.90 0.45 -19.11	36.78 0.50 -13.44	35.29 0.68 -9.40	31.19 0.59 -8.00	23.49 1.03 -1.01	23.77 0.65 -7.32
WATERSIDE____6 8 9 23538	21.19 1.04 -4.85	19.82 1.03 -4.03	19.00 0.95 -4.20	19.00 0.97 -3.60	19.93 0.88 -5.91	21.13 0.96 -4.97	25.13 1.33 -3.06	30.93 1.23 -10.73	28.36 1.51 -6.94	23.80 1.59 -3.08	23.28 1.53 -4.00	24.99 1.52 -5.94	25.19 1.48 -6.44	25.62 1.42 -7.94	26.55 1.41 -8.91	26.76 1.38 -9.18	27.45 1.51 -7.50	32.25 1.44 -12.07	37.57 1.63 -15.60	34.86 1.78 -10.24	34.24 1.87 -7.16	30.37 1.67 -6.09	23.81 1.59 -0.77	22.52 1.14 -5.58
WATKINRD_115KV_LN8_ILLION 55919	15.32 -0.02 -0.03	14.76 -0.03 -0.03	13.85 -0.01 -0.03	14.43 -0.03 -0.03	13.16 -0.01 -0.04	15.22 -0.02 -0.04	20.72 -0.04 -0.02	18.99 -0.06 -0.08	19.90 -0.06 -0.05	19.09 -0.06 -0.02	17.71 -0.07 -0.03	17.49 -0.07 -0.04	17.26 -0.05 -0.04	16.28 -0.05 -0.05	16.22 -0.06 -0.06	16.20 -0.06 -0.06	18.41 -0.07 -0.05	18.74 -0.07 -0.08	20.37 -0.08 -0.10	22.82 -0.09 -0.07	25.18 -0.08 -0.05	22.60 -0.05 -0.04	21.41 -0.04 -0.01	15.81 -0.03 -0.04
WATSON____69_KV_BK 1 55734	24.81 1.48 -8.02	22.57 1.51 -6.31	19.45 1.41 -4.20	20.15 1.46 -4.26	20.38 1.33 -5.91	24.48 1.53 -7.74	30.07 2.20 -7.14	31.64 1.93 -10.73	31.19 2.29 -8.99	26.88 2.20 -5.55	27.08 1.99 -7.34	27.00 1.98 -7.50	26.54 1.95 -7.32	26.77 1.84 -8.66	26.91 1.77 -8.91	27.33 1.78 -9.34	28.27 2.05 -7.79	33.22 2.00 -12.48	38.85 2.22 -16.28	38.41 2.51 -13.06	43.19 2.60 -15.39	34.92 2.40 -9.93	26.81 2.34 -3.02	23.04 1.66 -5.58
WDELAWARE__HYD 323627	20.02 0.86 -3.86	18.88 0.92 -3.21	18.03 0.84 -3.35	18.07 0.78 -2.86	18.69 0.85 -4.70	20.16 1.00 -3.96	24.46 1.29 -2.44	29.12 1.20 -8.96	27.06 1.35 -5.79	22.90 1.32 -2.45	22.24 1.17 -3.31	23.49 1.12 -4.85	23.66 1.12 -5.28	23.85 1.07 -6.51	24.58 1.07 -7.29	24.86 1.17 -7.48	25.90 1.33 -6.13	29.96 1.31 -9.91	34.01 1.48 -12.18	32.77 1.60 -8.34	32.86 1.82 -5.83	29.10 1.54 -4.96	23.45 1.37 -0.63	21.32 0.98 -4.54
WEST BABYLON__IC 23714	24.76 1.44 -8.02	22.51 1.45 -6.31	19.38 1.34 -4.20	20.08 1.39 -4.26	20.32 1.27 -5.91	24.40 1.46 -7.74	29.95 2.07 -7.14	31.52 1.82 -10.73	31.07 2.17 -8.99	26.79 2.10 -5.55	27.01 1.92 -7.34	26.93 1.91 -7.50	26.47 1.88 -7.32	26.71 1.77 -8.66	26.86 1.72 -8.91	27.28 1.73 -9.34	28.18 1.95 -7.79	33.14 1.93 -12.48	38.74 2.12 -16.28	38.30 2.40 -13.06	43.12 2.52 -15.39	34.81 2.28 -9.93	26.73 2.25 -3.02	22.99 1.61 -5.58
WEST CANADA__HYD 24049	15.29 -0.02 0.00	14.74 -0.01 0.00	13.82 -0.01 0.00	14.40 -0.03 0.00	13.11 -0.03 0.00	15.18 -0.02 0.00	20.74 0.00 0.00	18.97 0.00 0.00	19.91 0.00 0.00	19.11 -0.02 0.00	17.74 -0.02 0.00	17.50 -0.02 0.00	17.25 -0.02 0.00	16.25 -0.02 0.00	16.21 -0.02 0.00	16.19 -0.02 0.00	18.42 -0.02 0.00	18.70 -0.04 0.00	20.33 -0.02 0.00	22.84 0.00 0.00	25.21 0.00 0.00	22.63 0.02 0.00	21.45 0.00 0.00	15.79 -0.02 0.00
WESTERN_NY_WIND 24143	15.49 -0.46 -0.65	14.76 -0.53 -0.54	13.97 -0.43 -0.56	14.45 -0.46 -0.48	13.43 -0.50 -0.79	15.32 -0.55 -0.66	20.65 -0.50 -0.41	18.65 -0.70 -0.38	19.20 -0.96 -0.24	18.18 -1.05 -0.10	16.86 -1.03 -0.14	16.69 -1.03 -0.20	16.45 -1.04 -0.22	15.52 -1.02 -0.27	15.44 -1.09 -0.30	15.43 -1.09 -0.31	17.51 -1.18 -0.25	17.91 -1.24 -0.41	21.09 -1.26 -2.00	22.90 -1.30 -1.36	24.70 -1.46 -0.95	22.28 -1.13 -0.81	20.50 -1.05 -0.10	16.02 -0.52 -0.74



WESTOVER___LESR 323668	16.87 0.14 -1.43	16.03 0.09 -1.19	15.16 0.08 -1.24	15.56 0.07 -1.06	14.94 0.07 -1.74	16.74 0.08 -1.46	21.91 0.27 -0.90	22.15 0.02 -3.16	21.77 -0.18 -2.04	19.73 -0.23 -0.82	18.66 -0.25 -1.16	18.97 -0.23 -1.68	18.83 -0.26 -1.83	18.27 -0.26 -2.26	18.47 -0.28 -2.52	18.50 -0.29 -2.58	20.30 -0.26 -2.12	21.92 -0.26 -3.44	24.79 0.02 -4.42	25.99 0.14 -3.01	27.44 0.13 -2.11	24.55 0.16 -1.79	21.81 0.13 -0.23	17.57 0.13 -1.64
WETHRSFD_WT_PWR 323626	15.84 -0.32 -0.86	15.10 -0.37 -0.71	14.30 -0.28 -0.74	14.75 -0.32 -0.64	13.84 -0.34 -1.04	15.64 -0.44 -0.88	20.95 -0.33 -0.54	19.00 -0.47 -0.50	19.52 -0.72 -0.32	18.53 -0.73 -0.13	17.25 -0.69 -0.18	17.12 -0.67 -0.27	16.83 -0.72 -0.29	15.90 -0.73 -0.36	15.83 -0.79 -0.40	15.80 -0.81 -0.41	17.89 -0.88 -0.34	18.35 -0.94 -0.54	22.00 -1.00 -2.65	23.60 -1.03 -1.79	25.23 -1.23 -1.25	22.76 -0.90 -1.06	20.81 -0.77 -0.13	16.43 -0.35 -0.97
WHAVSTOR_138KV_BK127 55557	20.90 0.90 -4.69	19.54 0.89 -3.90	18.72 0.82 -4.07	18.75 0.84 -3.48	19.65 0.79 -5.72	20.91 0.90 -4.82	24.97 1.27 -2.96	30.52 1.16 -10.39	28.00 1.37 -6.72	23.46 1.36 -2.97	22.94 1.31 -3.87	24.56 1.30 -5.74	24.75 1.26 -6.23	25.15 1.20 -7.68	26.04 1.20 -8.62	26.28 1.20 -8.87	27.04 1.35 -7.26	31.73 1.31 -11.68	36.87 1.44 -15.08	34.35 1.60 -9.91	33.86 1.71 -6.93	29.99 1.49 -5.90	23.61 1.42 -0.75	22.22 1.01 -5.40
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	20.90 0.90 -4.69	19.54 0.89 -3.90	18.72 0.82 -4.07	18.75 0.84 -3.48	19.65 0.79 -5.72	20.91 0.90 -4.82	24.97 1.27 -2.96	30.52 1.16 -10.39	28.00 1.37 -6.72	23.46 1.36 -2.97	22.94 1.31 -3.87	24.56 1.30 -5.74	24.75 1.26 -6.23	25.15 1.20 -7.68	26.04 1.20 -8.62	26.28 1.20 -8.87	27.04 1.35 -7.26	31.73 1.31 -11.68	36.87 1.44 -15.08	34.35 1.60 -9.91	33.86 1.71 -6.93	29.99 1.49 -5.90	23.61 1.42 -0.75	22.22 1.01 -5.40
WHITEHAL_115KV_TB1 80871	22.53 0.89 -6.34	20.85 0.83 -5.27	20.14 0.80 -5.50	19.97 0.84 -4.70	21.60 0.74 -7.73	22.63 0.93 -6.50	26.30 1.56 -4.00	34.33 1.33 -14.03	30.30 1.31 -9.07	23.85 1.30 -3.42	23.95 1.12 -5.08	25.91 1.16 -7.24	26.26 1.07 -7.92	27.01 0.96 -9.78	28.04 0.92 -10.89	28.26 0.92 -11.13	28.74 1.14 -9.16	34.96 1.27 -14.95	40.87 1.40 -19.12	37.83 1.60 -13.39	36.59 2.02 -9.37	32.31 1.74 -7.97	24.03 1.57 -1.01	24.12 1.03 -7.29
WHITEPLN_13_KV_LOAD 356215	21.18 1.04 -4.84	19.80 1.02 -4.02	18.97 0.94 -4.20	19.00 0.98 -3.59	19.95 0.92 -5.90	21.21 1.05 -4.96	25.18 1.39 -3.06	30.95 1.27 -10.71	28.33 1.49 -6.92	23.71 1.51 -3.07	23.20 1.46 -3.99	24.92 1.47 -5.93	25.13 1.43 -6.43	25.54 1.35 -7.92	26.46 1.35 -8.89	26.71 1.35 -9.16	27.42 1.49 -7.49	32.25 1.46 -12.05	37.54 1.63 -15.56	34.86 1.80 -10.22	34.25 1.89 -7.15	30.38 1.70 -6.08	23.81 1.59 -0.77	22.51 1.14 -5.57
WM_FLOYD_69_KV_BK2 356380	24.73 1.41 -8.02	22.51 1.45 -6.31	19.40 1.36 -4.20	20.10 1.40 -4.26	20.32 1.27 -5.91	24.42 1.47 -7.74	29.99 2.12 -7.14	31.56 1.86 -10.73	31.11 2.21 -8.99	26.73 2.05 -5.55	26.96 1.86 -7.34	26.88 1.86 -7.50	26.42 1.83 -7.32	26.66 1.72 -8.66	26.78 1.64 -8.91	27.20 1.65 -9.34	28.16 1.94 -7.79	33.09 1.87 -12.48	38.68 2.05 -16.28	38.23 2.33 -13.06	42.94 2.34 -15.39	34.77 2.24 -9.93	26.64 2.17 -3.02	22.93 1.55 -5.58
WOODARD__115KV_TB2 355635	15.50 -0.24 -0.44	14.84 -0.28 -0.37	13.97 -0.25 -0.38	14.49 -0.27 -0.33	13.41 -0.26 -0.54	15.36 -0.29 -0.45	20.73 -0.29 -0.28	19.59 -0.36 -0.98	20.09 -0.46 -0.63	18.91 -0.48 -0.26	17.65 -0.46 -0.36	17.60 -0.44 -0.52	17.40 -0.43 -0.57	16.55 -0.42 -0.70	16.58 -0.42 -0.78	16.59 -0.42 -0.80	18.65 -0.44 -0.66	19.34 -0.47 -1.07	21.31 -0.41 -1.37	23.41 -0.37 -0.94	25.46 -0.40 -0.66	22.84 -0.32 -0.56	21.18 -0.34 -0.07	16.05 -0.27 -0.51
YORK___WARBASSE 23770	21.30 1.15 -4.85	19.91 1.12 -4.03	19.07 1.02 -4.20	19.05 1.02 -3.60	19.99 0.95 -5.91	21.17 1.00 -4.97	25.19 1.39 -3.06	30.93 1.23 -10.73	28.42 1.57 -6.94	23.87 1.66 -3.08	23.37 1.62 -4.00	25.07 1.61 -5.94	25.29 1.59 -6.44	25.75 1.53 -7.95	26.67 1.52 -8.92	26.88 1.49 -9.19	27.57 1.62 -7.51	32.35 1.54 -12.07	37.67 1.73 -15.60	35.00 1.92 -10.24	34.39 2.02 -7.16	30.51 1.81 -6.10	23.97 1.74 -0.78	22.64 1.25 -5.58