

Day Ahead Market Generator LBMP

--- LBMP \$		--- Marginal Cost of Losses															--- Marginal Cost of Congestion										05/10/2023	
Generator Data																												
Name	PTID	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			
59TH STREET_GT_1		EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT			
24138		19.87	19.00	17.99	17.85	18.43	19.60	26.43	30.18	26.07	22.14	21.82	20.79	22.29	22.29	22.28	23.75	27.03	32.23	37.32	37.02	36.44	30.80	23.53	20.46			
		0.60	0.63	0.58	0.57	0.57	0.62	0.61	1.24	1.45	1.50	1.42	1.24	1.24	1.24	1.23	1.19	1.12	1.06	1.29	1.54	1.49	1.30	1.24	0.62			
		-11.00	-9.78	-9.37	-9.27	-9.89	-10.50	-17.84	-13.66	-9.24	-5.19	-6.28	-7.35	-8.86	-8.86	-8.86	-10.38	-13.72	-18.98	-21.48	-17.75	-17.16	-14.08	-6.86	-11.89			
74TH STREET_GT_1		19.85	18.97	17.97	17.82	18.41	19.56	26.40	30.11	26.01	22.06	21.75	20.71	22.23	22.23	22.22	23.69	26.97	32.17	37.26	36.95	36.39	30.74	23.48	20.43			
24260		0.57	0.61	0.55	0.54	0.55	0.58	0.58	1.16	1.39	1.42	1.36	1.17	1.18	1.18	1.17	1.13	1.06	1.00	1.24	1.47	1.44	1.24	1.19	0.59			
		-11.00	-9.78	-9.37	-9.28	-9.89	-10.50	-17.84	-13.66	-9.24	-5.19	-6.28	-7.35	-8.86	-8.86	-8.86	-10.38	-13.72	-18.98	-21.48	-17.75	-17.16	-14.08	-6.86	-11.89			
74TH STREET_GT_2		19.85	18.97	17.97	17.82	18.41	19.56	26.40	30.11	26.01	22.06	21.75	20.71	22.23	22.23	22.22	23.69	26.97	32.17	37.26	36.95	36.39	30.74	23.48	20.43			
24261		0.57	0.61	0.55	0.54	0.55	0.58	0.58	1.16	1.39	1.42	1.36	1.17	1.18	1.18	1.17	1.13	1.06	1.00	1.24	1.47	1.44	1.24	1.19	0.59			
		-11.00	-9.78	-9.37	-9.28	-9.89	-10.50	-17.84	-13.66	-9.24	-5.19	-6.28	-7.35	-8.86	-8.86	-8.86	-10.38	-13.72	-18.98	-21.48	-17.75	-17.16	-14.08	-6.86	-11.89			
ADK HUDSON___FALLS		23.07	21.63	20.53	20.35	21.13	22.50	31.52	33.75	27.76	22.62	22.39	22.05	23.34	23.64	23.60	25.67	29.82	36.57	41.99	41.49	41.13	34.58	25.16	23.78			
24011		0.36	0.37	0.34	0.33	0.34	0.42	0.41	0.73	0.80	0.68	0.56	0.48	0.43	0.50	0.49	0.51	0.61	0.69	0.81	0.99	1.07	0.88	0.82	0.40			
		-14.44	-12.68	-12.14	-12.02	-12.82	-13.61	-23.12	-17.72	-11.57	-6.49	-7.72	-9.39	-10.73	-10.95	-10.92	-12.98	-17.02	-23.69	-26.64	-22.77	-22.28	-18.27	-8.91	-15.43			
ADK RESOURCE___RCVRY		23.03	21.64	20.53	20.35	21.13	22.51	31.52	33.81	27.83	22.69	22.49	22.08	23.35	23.63	23.59	25.68	29.80	36.52	41.96	41.53	41.21	34.62	25.22	23.78			
23798		0.38	0.40	0.37	0.35	0.37	0.45	0.46	0.83	0.94	0.79	0.72	0.55	0.52	0.55	0.54	0.57	0.68	0.76	0.92	1.10	1.19	0.96	0.89	0.43			
		-14.37	-12.65	-12.12	-12.00	-12.79	-13.58	-23.08	-17.69	-11.50	-6.45	-7.66	-9.34	-10.64	-10.89	-10.86	-12.93	-16.93	-23.58	-26.50	-22.71	-22.23	-18.23	-8.89	-15.40			
ADK S GLENS___FALLS		23.07	21.63	20.53	20.35	21.13	22.50	31.52	33.75	27.76	22.62	22.39	22.05	23.34	23.64	23.60	25.67	29.82	36.57	41.99	41.49	41.13	34.58	25.16	23.78			
24028		0.36	0.37	0.34	0.33	0.34	0.42	0.41	0.73	0.80	0.68	0.56	0.48	0.43	0.50	0.49	0.51	0.61	0.69	0.81	0.99	1.07	0.88	0.82	0.40			
		-14.44	-12.68	-12.14	-12.02	-12.82	-13.61	-23.12	-17.72	-11.57	-6.49	-7.72	-9.39	-10.73	-10.95	-10.92	-12.98	-17.02	-23.69	-26.64	-22.77	-22.28	-18.27	-8.91	-15.43			
ADK_NYS___DAM		22.38	21.05	19.98	19.82	20.54	21.89	30.43	32.85	26.93	22.13	21.83	21.55	22.50	22.84	22.80	24.80	28.53	34.81	39.93	40.13	39.87	33.60	24.72	23.05			
23527		0.36	0.36	0.34	0.34	0.33	0.42	0.38	0.64	0.74	0.62	0.59	0.49	0.50	0.50	0.50	0.50	0.54	0.54	0.65	0.82	0.82	0.73	0.79	0.37			
		-13.74	-12.10	-11.59	-11.48	-12.24	-12.99	-22.08	-16.92	-10.81	-6.05	-7.12	-8.87	-9.81	-10.15	-10.11	-12.12	-15.81	-22.09	-24.73	-21.59	-21.27	-17.44	-8.50	-14.73			
AIR_PRODUCTS___DRP		22.02	20.66	19.64	19.48	20.19	21.46	29.94	32.17	26.47	21.79	21.56	21.25	22.38	22.63	22.59	24.55	28.36	34.67	39.79	39.48	39.10	32.92	24.08	22.64			
24190		0.07	0.08	0.10	0.10	0.09	0.10	0.07	0.11	0.18	0.23	0.20	0.20	0.13	0.15	0.13	0.15	0.16	0.17	0.19	0.23	0.23	0.20	0.22	0.09			
		-13.67	-12.00	-11.49	-11.38	-12.13	-12.88	-21.89	-16.77	-10.90	-6.11	-7.25	-8.86	-10.06	-10.30	-10.27	-12.23	-16.01	-22.30	-25.06	-21.52	-21.08	-17.29	-8.43	-14.60			
AKWESSNE_115KV_BK		8.14	8.43	7.90	7.88	7.85	8.31	7.88	15.12	15.12	15.20	13.89	12.00	12.01	12.00	12.01	12.03	12.03	12.03	14.39	17.40	17.41	15.14	15.11	7.77			
355683		-0.18	-0.20	-0.19	-0.17	-0.17	-0.21	-0.18	-0.23	-0.31	-0.28	-0.25	-0.22	-0.22	-0.23	-0.22	-0.19	-0.22	-0.24	-0.25	-0.41	-0.44	-0.35	-0.35	-0.23			
		-0.05	-0.04	-0.04	-0.04	-0.04	-0.05	-0.08	-0.06	-0.04	-0.02	-0.03	-0.03	-0.04	-0.04	-0.04	-0.04	-0.06	-0.08	-0.09	-0.08	-0.08	-0.06	-0.03	-0.05			
ALBANY___1		22.02	20.66	19.64	19.48	20.19	21.46	29.94	32.17	26.47	21.79	21.56	21.25	22.38	22.63	22.59	24.55	28.36	34.67	39.79	39.48	39.10	32.92	24.08	22.64			
23571		0.07	0.08	0.10	0.10	0.09	0.10	0.07	0.11	0.18	0.23	0.20	0.20	0.13	0.15	0.13	0.15	0.16	0.17	0.19	0.23	0.23	0.20	0.22	0.09			
		-13.67	-12.00	-11.49	-11.38	-12.13	-12.88	-21.89	-16.77	-10.90	-6.11	-7.25	-8.86	-10.06	-10.30	-10.27	-12.23	-16.01	-22.30	-25.06	-21.52	-21.08	-17.29	-8.43	-14.60			
ALBANY___2		22.02	20.66	19.64	19.48	20.19	21.46	29.94	32.17	26.47	21.79	21.56	21.25	22.38	22.63	22.59	24.55	28.36	34.67	39.79	39.48	39.10	32.92	24.08	22.64			
23572		0.07	0.08	0.10	0.10	0.09	0.10	0.07	0.11	0.18	0.23	0.20	0.20	0.13	0.15	0.13	0.15	0.16	0.17	0.19	0.23	0.23	0.20	0.22	0.09			
		-13.67	-12.00	-11.49	-11.38	-12.13	-12.88	-21.89	-16.77	-10.90	-6.11	-7.25	-8.86	-10.06	-10.30	-10.27	-12.23	-16.01	-22.30	-25.06	-21.52	-21.08	-17.29	-8.43	-14.60			
ALBANY___3		22.02	20.66	19.64	19.48	20.19	21.46	29.94	32.17	26.47	21.79	21.56	21.25	22.38	22.63	22.59	24.55	28.36	34.67	39.79	39.48	39.10	32.92	24.08	22.64			
23573		0.07	0.08	0.10	0.10	0.09	0.10	0.07	0.11	0.18	0.23	0.20	0.20	0.13	0.15	0.13	0.15	0.16	0.17	0.19	0.23	0.23	0.20	0.22	0.09			
		-13.67	-12.00	-11.49	-11.38	-12.13	-12.88	-21.89	-16.77	-10.90	-6.11	-7.25	-8.86	-10.06	-10.30	-10.27	-12.23	-16.01	-22.30	-25.06	-21.52	-21.08	-17.29	-8.43	-14.60			

ALBANY___4 23574	22.02 0.07 -13.67	20.66 0.08 -12.00	19.64 0.10 -11.49	19.48 0.10 -11.38	20.19 0.09 -12.13	21.46 0.10 -12.88	29.94 0.07 -21.89	32.17 0.11 -16.77	26.47 0.18 -10.90	21.79 0.23 -6.11	21.56 0.20 -7.25	21.25 0.20 -8.86	22.38 0.13 -10.06	22.63 0.15 -10.30	22.59 0.13 -10.27	24.55 0.15 -12.23	28.36 0.16 -16.01	34.67 0.17 -22.30	39.79 0.19 -25.06	39.48 0.23 -21.52	39.10 0.23 -21.08	32.92 0.20 -17.29	24.08 0.22 -8.43	22.64 0.09 -14.60
ALBANY___LFGE 323615	22.30 0.16 -13.87	20.95 0.15 -12.21	19.92 0.18 -11.70	19.76 0.18 -11.58	20.47 0.16 -12.35	21.77 0.18 -13.11	30.40 0.14 -22.28	32.61 0.24 -17.07	26.86 0.35 -11.12	22.02 0.34 -6.23	21.88 0.37 -7.40	21.51 0.29 -9.03	22.73 0.26 -10.28	22.96 0.26 -10.51	22.93 0.26 -10.48	24.91 0.26 -12.47	28.81 0.28 -16.34	35.23 0.28 -22.75	40.45 0.33 -25.57	40.05 0.41 -21.91	39.67 0.43 -21.46	33.40 0.37 -17.60	24.37 0.36 -8.58	22.99 0.17 -14.86
ALCOA_PA_115KV_PL-6C 55860	8.12 -0.22 -0.06	8.40 -0.24 -0.06	7.88 -0.22 -0.05	7.87 -0.18 -0.05	7.87 -0.16 -0.06	8.28 -0.25 -0.06	7.91 -0.18 -0.10	15.22 -0.15 -0.08	15.13 -0.31 -0.05	15.24 -0.25 -0.03	13.92 -0.23 -0.04	12.03 -0.21 -0.04	12.03 -0.21 -0.05	12.02 -0.22 -0.05	12.02 -0.22 -0.05	12.04 -0.19 -0.06	12.06 -0.21 -0.08	12.07 -0.23 -0.11	14.47 -0.19 -0.12	17.44 -0.39 -0.10	17.45 -0.43 -0.10	15.24 -0.28 -0.08	15.18 -0.29 -0.04	7.79 -0.23 -0.07
ALCOA_RYNLDS___DRP 24188	8.12 -0.22 -0.06	8.40 -0.24 -0.06	7.88 -0.22 -0.05	7.87 -0.18 -0.05	7.87 -0.16 -0.06	8.28 -0.25 -0.06	7.91 -0.18 -0.10	15.22 -0.15 -0.08	15.13 -0.31 -0.05	15.24 -0.25 -0.03	13.92 -0.23 -0.04	12.03 -0.21 -0.04	12.03 -0.21 -0.05	12.02 -0.22 -0.05	12.02 -0.22 -0.05	12.04 -0.19 -0.06	12.06 -0.21 -0.08	12.07 -0.23 -0.11	14.47 -0.19 -0.12	17.44 -0.39 -0.10	17.45 -0.43 -0.10	15.24 -0.28 -0.08	15.18 -0.29 -0.04	7.79 -0.23 -0.07
ALCOA___DSASP 323711	8.05 -0.22 0.00	8.34 -0.24 0.00	7.83 -0.22 0.00	7.82 -0.18 0.00	7.81 -0.16 0.00	8.22 -0.25 0.00	7.80 -0.18 0.00	15.14 -0.15 0.00	15.08 -0.31 0.00	15.22 -0.23 0.00	13.87 -0.24 0.00	11.98 -0.21 0.00	11.97 -0.22 0.00	11.97 -0.22 0.00	11.97 -0.22 0.00	11.98 -0.20 0.00	11.98 -0.21 0.00	12.00 -0.20 0.00	14.35 -0.19 0.00	17.34 -0.39 0.00	17.35 -0.43 0.00	15.15 -0.28 0.00	15.14 -0.29 0.00	7.72 -0.23 0.00
ALLEGHENY___COGEN 23514	10.53 0.45 -1.80	10.62 0.46 -1.57	9.99 0.44 -1.51	9.93 0.43 -1.49	9.99 0.43 -1.59	10.68 0.52 -1.69	11.28 0.43 -2.87	17.97 0.44 -2.23	17.06 0.20 -1.48	16.44 0.15 -0.83	15.19 0.09 -0.99	13.36 -0.02 -1.19	13.47 -0.11 -1.39	13.44 -0.16 -1.41	13.46 -0.13 -1.40	13.69 -0.15 -1.66	14.35 -0.02 -2.18	15.32 0.10 -3.03	18.25 0.29 -3.42	21.07 0.46 -2.88	21.14 0.55 -2.81	18.12 0.39 -2.30	16.94 0.39 -1.12	10.36 0.46 -1.94
ALTAMONT_115KV_TB 2 55880	22.22 0.25 -13.70	20.86 0.26 -12.03	19.80 0.24 -11.52	19.64 0.24 -11.40	20.37 0.24 -12.16	21.65 0.26 -12.91	30.15 0.23 -21.94	32.52 0.41 -16.81	26.87 0.48 -11.01	22.10 0.48 -6.17	21.89 0.42 -7.35	21.48 0.38 -8.92	22.78 0.35 -10.23	22.98 0.37 -10.43	22.96 0.37 -10.40	24.90 0.37 -12.35	28.77 0.38 -16.20	35.12 0.39 -22.54	40.35 0.45 -25.36	39.90 0.55 -21.62	39.48 0.57 -21.13	33.26 0.49 -17.33	24.39 0.51 -8.45	22.84 0.25 -14.64
ALTONA_WT_PWR 323606	8.45 0.17 0.00	8.73 0.15 0.00	8.16 0.12 0.00	8.11 0.10 0.00	8.01 0.04 0.00	8.45 -0.03 0.00	8.03 0.05 0.00	15.57 0.28 0.00	15.45 0.06 0.00	15.48 0.03 0.00	14.11 0.00 0.00	12.09 -0.10 0.00	12.14 -0.05 0.00	12.04 -0.15 0.00	12.04 -0.15 0.00	12.07 -0.11 0.00	12.03 -0.16 0.00	12.04 -0.15 0.00	14.42 -0.12 0.00	17.53 -0.19 0.00	17.39 -0.39 0.00	14.89 -0.54 0.00	14.81 -0.62 0.00	7.59 -0.37 0.00
AMERICAN_REF_FUEL 24010	9.88 -0.02 -1.62	10.02 0.02 -1.42	9.46 0.05 -1.36	9.38 0.03 -1.35	9.41 0.00 -1.44	10.00 0.00 -1.53	10.37 -0.20 -2.60	16.36 -0.95 -2.02	15.65 -1.08 -1.35	15.13 -1.08 -0.76	14.00 -1.02 -0.90	12.43 -0.84 -1.08	12.64 -0.82 -1.26	12.64 -0.83 -1.28	12.60 -0.87 -1.28	12.79 -0.90 -1.51	13.31 -0.87 -1.99	14.03 -0.90 -2.74	16.61 -1.02 -3.09	19.02 -1.31 -2.61	19.02 -1.30 -2.54	16.43 -1.08 -2.08	15.46 -0.99 -1.02	9.66 -0.06 -1.76
ARKWRIGHT___SUMMIT_WT_PWR 323751	10.46 0.36 -1.82	10.59 0.42 -1.59	9.99 0.42 -1.52	9.90 0.39 -1.51	9.93 0.35 -1.61	10.57 0.39 -1.71	11.14 0.26 -2.90	17.55 0.00 -2.26	16.78 -0.11 -1.50	16.16 -0.14 -0.84	14.93 -0.20 -1.01	13.24 -0.16 -1.21	13.47 -0.13 -1.41	13.46 -0.16 -1.43	13.40 -0.22 -1.43	13.60 -0.27 -1.69	14.19 -0.22 -2.22	15.08 -0.18 -3.07	17.83 -0.17 -3.46	20.41 -0.23 -2.92	20.39 -0.23 -2.84	17.53 -0.23 -2.33	16.37 -0.20 -1.14	10.19 0.27 -1.97
ARTHUR_KILL_GT_1 23520	19.84 0.56 -11.00	18.95 0.58 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.50 0.53 -10.50	26.33 0.51 -17.84	29.93 0.98 -13.66	25.81 1.18 -9.24	21.86 1.22 -5.19	21.57 1.19 -6.27	20.56 1.02 -7.35	22.08 1.04 -8.85	22.08 1.04 -8.85	22.08 1.02 -8.86	23.56 1.00 -10.38	26.85 0.94 -13.72	32.00 0.84 -18.97	37.12 1.10 -21.48	36.76 1.29 -17.74	36.18 1.24 -17.16	30.57 1.06 -14.07	23.39 1.10 -6.86	20.42 0.58 -11.89
ARTHUR_KILL_2 23512	19.82 0.55 -11.00	18.93 0.57 -9.78	17.92 0.51 -9.37	17.77 0.50 -9.28	18.36 0.50 -9.89	19.49 0.51 -10.50	26.31 0.49 -17.84	29.88 0.93 -13.66	25.78 1.15 -9.24	21.83 1.19 -5.19	21.53 1.14 -6.27	20.54 1.00 -7.35	22.04 1.00 -8.85	22.04 1.00 -8.85	22.05 1.00 -8.86	23.52 0.96 -10.38	26.82 0.90 -13.72	31.98 0.82 -18.97	37.08 1.06 -21.48	36.69 1.22 -17.74	36.13 1.19 -17.16	30.50 1.00 -14.07	23.34 1.05 -6.86	20.40 0.56 -11.89
ARTHUR_KILL_3 23513	19.77 0.50 -11.00	18.90 0.54 -9.78	17.91 0.50 -9.37	17.77 0.49 -9.28	18.34 0.49 -9.89	19.49 0.51 -10.50	26.32 0.50 -17.84	29.99 1.04 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.88 0.96 -13.72	32.06 0.89 -18.98	37.08 1.06 -21.48	36.75 1.28 -17.75	36.19 1.24 -17.16	30.62 1.11 -14.08	23.36 1.06 -6.86	20.37 0.52 -11.89
ARTHUR_KILL_COGEN 323718	19.84 0.56 -11.00	18.95 0.58 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.50 0.53 -10.50	26.33 0.51 -17.84	29.93 0.98 -13.66	25.81 1.18 -9.24	21.86 1.22 -5.19	21.57 1.19 -6.27	20.56 1.02 -7.35	22.08 1.04 -8.85	22.08 1.04 -8.85	22.08 1.02 -8.86	23.56 1.00 -10.38	26.85 0.94 -13.72	32.00 0.84 -18.97	37.12 1.10 -21.48	36.76 1.29 -17.74	36.18 1.24 -17.16	30.57 1.06 -14.07	23.39 1.10 -6.86	20.42 0.58 -11.89
ASHOKAN____ 23654	20.42 0.09 -12.05	19.22 0.05 -10.58	18.24 0.06 -10.14	18.09 0.06 -10.03	18.74 0.07 -10.70	19.96 0.12 -11.36	27.39 0.10 -19.30	30.30 0.26 -14.75	25.47 0.32 -9.76	21.36 0.43 -5.48	20.99 0.31 -6.56	20.37 0.32 -7.86	21.62 0.26 -9.17	21.75 0.27 -9.29	21.72 0.26 -9.28	23.40 0.26 -10.96	26.79 0.18 -14.42	32.40 0.19 -20.02	37.38 0.28 -22.57	37.25 0.50 -19.03	36.83 0.52 -18.54	31.14 0.51 -15.20	23.27 0.43 -7.41	20.97 0.17 -12.84

ASTORIA_EAST_ENERGY_CC1 323581	19.80 0.52 -11.00	18.90 0.54 -9.78	17.90 0.48 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.45 -17.84	29.89 0.95 -13.65	25.80 1.18 -9.23	21.87 1.24 -5.18	21.59 1.20 -6.27	20.57 1.04 -7.35	22.09 1.05 -8.85	22.09 1.05 -8.85	22.08 1.04 -8.85	23.55 1.00 -10.37	26.82 0.91 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.73 1.26 -17.74	36.15 1.21 -17.16	30.50 1.00 -14.07	23.27 0.97 -6.86	20.38 0.54 -11.89
ASTORIA_EAST_ENERGY_CC2 323582	19.80 0.52 -11.00	18.90 0.54 -9.78	17.90 0.48 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.45 -17.84	29.89 0.95 -13.65	25.80 1.18 -9.23	21.87 1.24 -5.18	21.59 1.20 -6.27	20.57 1.04 -7.35	22.09 1.05 -8.85	22.09 1.05 -8.85	22.08 1.04 -8.85	23.55 1.00 -10.37	26.82 0.91 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.73 1.26 -17.74	36.15 1.21 -17.16	30.50 1.00 -14.07	23.27 0.97 -6.86	20.38 0.54 -11.89
ASTORIA_GT2_1 24094	19.80 0.52 -11.00	18.90 0.54 -9.78	17.91 0.49 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.46 -17.84	29.89 0.95 -13.65	25.82 1.20 -9.23	21.87 1.24 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.09 1.05 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.74 1.28 -17.74	36.15 1.21 -17.16	30.52 1.02 -14.07	23.28 0.99 -6.86	20.39 0.55 -11.89
ASTORIA_GT2_2 24095	19.80 0.52 -11.00	18.90 0.54 -9.78	17.91 0.49 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.46 -17.84	29.89 0.95 -13.65	25.82 1.20 -9.23	21.87 1.24 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.09 1.05 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.74 1.28 -17.74	36.15 1.21 -17.16	30.52 1.02 -14.07	23.28 0.99 -6.86	20.39 0.55 -11.89
ASTORIA_GT2_3 24096	19.80 0.52 -11.00	18.90 0.54 -9.78	17.91 0.49 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.46 -17.84	29.89 0.95 -13.65	25.82 1.20 -9.23	21.87 1.24 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.09 1.05 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.74 1.28 -17.74	36.15 1.21 -17.16	30.52 1.02 -14.07	23.28 0.99 -6.86	20.39 0.55 -11.89
ASTORIA_GT2_4 24097	19.80 0.52 -11.00	18.90 0.54 -9.78	17.91 0.49 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.46 -17.84	29.89 0.95 -13.65	25.82 1.20 -9.23	21.87 1.24 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.09 1.05 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.74 1.28 -17.74	36.15 1.21 -17.16	30.52 1.02 -14.07	23.28 0.99 -6.86	20.39 0.55 -11.89
ASTORIA_GT3_1 24098	19.80 0.52 -11.00	18.90 0.54 -9.78	17.91 0.49 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.46 -17.84	29.89 0.95 -13.65	25.82 1.20 -9.23	21.87 1.24 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.09 1.05 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.74 1.28 -17.74	36.15 1.21 -17.16	30.52 1.02 -14.07	23.28 0.99 -6.86	20.39 0.5

ASTORIA_GT_10 24110	19.81 0.54 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.51 0.53 -10.50	26.34 0.52 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.09 0.91 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.37 1.08 -6.86	20.40 0.56 -11.89
ASTORIA_GT_11 24225	19.81 0.54 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.51 0.53 -10.50	26.34 0.52 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.09 0.91 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.37 1.08 -6.86	20.40 0.56 -11.89
ASTORIA_GT_12 24226	19.81 0.54 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.51 0.53 -10.50	26.34 0.52 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.09 0.91 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.37 1.08 -6.86	20.40 0.56 -11.89
ASTORIA_GT_13 24227	19.81 0.54 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.51 0.53 -10.50	26.34 0.52 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.09 0.91 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.37 1.08 -6.86	20.40 0.56 -11.89
ASTORIA_GT_5 24106	19.81 0.54 -11.00	18.92 0.56 -9.78	17.91 0.50 -9.37	17.77 0.49 -9.28	18.35 0.49 -9.89	19.49 0.51 -10.50	26.30 0.48 -17.84	29.92 0.98 -13.65	25.85 1.23 -9.23	21.90 1.27 -5.18	21.62 1.23 -6.27	20.60 1.06 -7.35	22.13 1.08 -8.85	22.12 1.07 -8.85	22.12 1.07 -8.85	23.58 1.02 -10.37	26.86 0.95 -13.71	32.04 0.88 -18.97	37.11 1.09 -21.48	36.76 1.29 -17.74	36.18 1.24 -17.16	30.54 1.03 -14.07	23.30 1.00 -6.86	20.40 0.56 -11.89
ASTORIA_GT_7 24107	19.81 0.54 -11.00	18.92 0.56 -9.78	17.91 0.50 -9.37	17.77 0.49 -9.28	18.35 0.49 -9.89	19.49 0.51 -10.50	26.30 0.48 -17.84	29.92 0.98 -13.65	25.85 1.23 -9.23	21.90 1.27 -5.18	21.62 1.23 -6.27	20.60 1.06 -7.35	22.13 1.08 -8.85	22.12 1.07 -8.85	22.12 1.07 -8.85	23.58 1.02 -10.37	26.86 0.95 -13.71	32.04 0.88 -18.97	37.11 1.09 -21.48	36.76 1.29 -17.74	36.18 1.24 -17.16	30.54 1.03 -14.07	23.30 1.00 -6.86	20.40 0.56 -11.89
ASTORIA_GT_8 24108	19.81 0.54 -11.00	18.92 0.56 -9.78	17.91 0.50 -9.37	17.77 0.49 -9.28	18.35 0.49 -9.89	19.49 0.51 -10.50	26.30 0.48 -17.84	29.92 0.98 -13.65	25.85 1.23 -9.23	21.90 1.27 -5.18	21.62 1.23 -6.27	20.60 1.06 -7.35	22.13 1.08 -8.85	22.12 1.07 -8.85	22.12 1.07 -8.85	23.58 1.02 -10.37	26.86 0.95 -13.71	32.04 0.88 -18.97	37.11 1.09 -21.48	36.76 1.29 -17.74	36.18 1.24 -17.16	30.54 1.03 -14.07	23.30 1.00 -6.86	20.40 0.56 -11.89
ASTORIA___2 24149	19.80 0.52 -11.00	18.90 0.54 -9.78	17.91 0.49 -9.37	17.75 0.47 -9.28	18.34 0.48 -9.89	19.47 0.49 -10.50	26.28 0.46 -17.84	29.89 0.95 -13.65	25.82 1.20 -9.23	21.87 1.24 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.09 1.05 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.02 0.85 -18.97	37.08 1.06 -21.48	36.74 1.28 -17.74	36.15 1.21 -17.16	30.52 1.02 -14.07	23.28 0.99 -6.86	20.39 0.55 -11.89
ASTORIA___3 23516	19.81 0.54 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.51 0.53 -10.50	26.34 0.52 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.09 0.91 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.37 1.08 -6.86	20.40 0.56 -11.89
ASTORIA___4 23517	19.74 0.54 -10.92	18.74 0.57 -9.59	17.75 0.51 -9.19	17.60 0.50 -9.09	18.17 0.51 -9.70	19.31 0.53 -10.30	25.99 0.52 -17.49	29.75 1.06 -13.41	25.73 1.26 -9.08	21.91 1.36 -5.10	21.54 1.24 -6.18	20.52 1.11 -7.22	22.01 1.10 -8.72	22.02 1.11 -8.72	22.02 1.11 -8.72	23.45 1.06 -10.21	26.67 0.99 -13.50	31.78 0.93 -18.66	36.80 1.13 -21.13	36.51 1.35 -17.43	35.95 1.32 -16.85	30.38 1.13 -13.82	23.25 1.08 -6.74	20.18 0.56 -11.67
ASTORIA___5 23518	19.81 0.54 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.51 0.53 -10.50	26.34 0.52 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.09 0.91 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.37 1.08 -6.86	20.40 0.56 -11.89
AST_ENERGY_2_CC3 323677	19.80 0.52 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.35 0.53 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.89 0.98 -13.72	32.09 0.91 -18.98	37.13 1.10 -21.48	36.80 1.33 -17.75	36.24 1.30 -17.16	30.63 1.13 -14.08	23.39 1.10 -6.86	20.39 0.55 -11.89
AST_ENERGY_2_CC4 323678	19.80 0.52 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.35 0.53 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.89 0.98 -13.72	32.09 0.91 -18.98	37.13 1.10 -21.48	36.80 1.33 -17.75	36.24 1.30 -17.16	30.63 1.13 -14.08	23.39 1.10 -6.86	20.39 0.55 -11.89
ATHENS_STG_1 23668	20.94 0.31 -12.36	19.80 0.32 -10.90	18.78 0.30 -10.44	18.63 0.30 -10.33	19.28 0.30 -11.02	20.48 0.30 -11.70	28.14 0.28 -19.88	31.02 0.50 -15.23	26.13 0.62 -10.13	21.74 0.60 -5.69	21.52 0.58 -6.83	20.81 0.49 -8.14	22.25 0.49 -9.57	22.34 0.49 -9.66	22.33 0.49 -9.65	24.03 0.47 -11.38	27.63 0.46 -14.98	33.42 0.45 -20.78	38.53 0.54 -23.45	38.08 0.67 -19.68	37.58 0.66 -19.14	31.72 0.59 -15.70	23.67 0.59 -7.65	21.51 0.29 -13.26
ATHENS_STG_2 23670	20.94 0.31 -12.36	19.80 0.32 -10.90	18.78 0.30 -10.44	18.63 0.30 -10.33	19.28 0.30 -11.02	20.48 0.30 -11.70	28.14 0.28 -19.88	31.02 0.50 -15.23	26.13 0.62 -10.13	21.74 0.60 -5.69	21.52 0.58 -6.83	20.81 0.49 -8.14	22.25 0.49 -9.57	22.34 0.49 -9.66	22.33 0.49 -9.65	24.03 0.47 -11.38	27.63 0.46 -14.98	33.42 0.45 -20.78	38.53 0.54 -23.45	38.08 0.67 -19.68	37.58 0.66 -19.14	31.72 0.59 -15.70	23.67 0.59 -7.65	21.51 0.29 -13.26

ATHENS_STG_3 23677	20.94 0.31 -12.36	19.80 0.32 -10.90	18.78 0.30 -10.44	18.63 0.30 -10.33	19.28 0.30 -11.02	20.48 0.30 -11.70	28.14 0.28 -19.88	31.02 0.50 -15.23	26.13 0.62 -10.13	21.74 0.60 -5.69	21.52 0.58 -6.83	20.81 0.49 -8.14	22.25 0.49 -9.57	22.34 0.49 -9.66	22.33 0.49 -9.65	24.03 0.47 -11.38	27.63 0.46 -14.98	33.42 0.45 -20.78	38.53 0.54 -23.45	38.08 0.67 -19.68	37.58 0.66 -19.14	31.72 0.59 -15.70	23.67 0.59 -7.65	21.51 0.29 -13.26
AUBURN___LFG 323710	9.77 0.05 -1.44	9.90 0.05 -1.26	9.31 0.06 -1.21	9.24 0.04 -1.20	9.29 0.05 -1.28	9.92 0.08 -1.36	10.42 0.14 -2.31	17.18 0.12 -1.77	16.65 0.09 -1.18	16.07 -0.05 -0.66	14.86 -0.04 -0.79	13.06 -0.07 -0.94	13.24 -0.06 -1.11	13.32 0.01 -1.12	13.35 0.04 -1.12	13.51 0.01 -1.32	13.99 0.06 -1.74	14.71 0.11 -2.41	17.37 0.10 -2.72	20.23 0.21 -2.29	20.29 0.28 -2.22	17.35 0.09 -1.82	16.41 0.09 -0.89	9.63 0.14 -1.54
BABYLON_RES_REC 323704	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.69 -9.28	19.47 0.71 -10.79	24.86 0.76 -15.62	31.49 0.77 -22.74	32.14 1.47 -15.38	33.12 1.60 -16.14	31.35 1.53 -14.37	27.99 1.51 -12.37	26.03 1.21 -12.63	27.89 1.29 -14.41	26.89 1.29 -13.41	27.91 1.28 -14.44	28.42 1.24 -15.00	34.45 1.16 -21.10	39.07 1.12 -25.75	45.94 1.35 -30.04	38.61 1.67 -19.22	59.57 1.65 -40.13	34.49 1.36 -17.70	28.10 1.40 -11.26	29.01 0.72 -20.35
BABYLON__69_KV_BK2 356345	23.65 0.82 -14.55	21.01 0.87 -11.57	18.54 0.80 -9.69	17.87 0.77 -9.10	19.35 0.79 -10.59	24.74 0.85 -15.41	31.21 0.84 -22.39	32.03 1.61 -15.13	33.09 1.72 -15.98	30.57 1.70 -13.42	27.85 1.47 -12.27	26.00 1.30 -12.50	27.74 1.28 -14.27	26.84 1.39 -13.26	27.87 1.39 -14.29	28.35 1.34 -14.83	34.34 1.27 -20.88	38.87 1.24 -25.44	45.68 1.45 -29.69	38.42 1.79 -18.91	59.38 1.78 -39.82	34.39 1.51 -17.44	28.14 1.57 -11.14	28.09 0.80 -19.33
BARON_WINDS___WT_PWR 323822	10.74 0.23 -2.23	10.80 0.27 -1.96	10.18 0.26 -1.88	10.10 0.24 -1.86	10.18 0.23 -1.98	10.84 0.26 -2.10	11.72 0.18 -3.57	18.09 0.02 -2.78	17.15 -0.08 -1.84	16.38 -0.11 -1.03	15.21 -0.14 -1.24	13.54 -0.13 -1.49	13.79 -0.13 -1.73	13.80 -0.15 -1.75	13.80 -0.15 -1.75	14.08 -0.17 -2.07	14.79 -0.12 -2.72	15.86 -0.11 -3.78	18.71 -0.09 -4.26	21.25 -0.07 -3.59	21.24 -0.04 -3.50	18.22 -0.08 -2.87	16.80 -0.03 -1.40	10.61 0.23 -2.42
BARRETT_IC_1 23704	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_10 23701	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_11 23702	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_12 23703	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_2 23705	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_3 23706	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_4 23707	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_5 23708	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_6 23709	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_7 23710	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47

BARRETT_IC_8 23711	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT_IC_9 23700	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT___1 23545	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BARRETT___2 23546	23.58 0.68 -14.62	21.06 0.72 -11.76	18.58 0.67 -9.87	17.92 0.64 -9.28	19.42 0.66 -10.79	24.80 0.70 -15.62	31.35 0.63 -22.74	31.91 1.24 -15.38	32.89 1.37 -16.14	31.34 1.37 -14.51	27.78 1.30 -12.37	25.93 1.11 -12.63	27.71 1.11 -14.41	26.72 1.12 -13.41	27.71 1.08 -14.44	28.24 1.06 -15.00	34.28 0.99 -21.10	38.90 0.95 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.25 1.33 -40.13	34.32 1.19 -17.70	27.88 1.19 -11.26	29.02 0.60 -20.47
BATAVIA___115KV_TB1 55881	9.92 0.15 -1.49	10.05 0.16 -1.31	9.47 0.17 -1.25	9.40 0.16 -1.24	9.44 0.14 -1.32	10.08 0.19 -1.41	10.41 0.05 -2.39	16.76 -0.37 -1.83	15.76 -0.85 -1.22	15.12 -1.02 -0.68	14.15 -0.79 -0.82	12.38 -0.79 -0.98	12.59 -0.76 -1.15	12.60 -0.76 -1.16	12.56 -0.79 -1.16	12.71 -0.84 -1.37	13.22 -0.78 -1.80	14.35 -0.34 -2.50	16.87 -0.49 -2.82	19.46 -0.64 -2.37	19.46 -0.62 -2.30	16.78 -0.54 -1.89	15.86 -0.49 -0.92	9.66 0.11 -1.59
BAYONEEC___CTG1 323682	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG10 323750	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG2 323683	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG3 323684	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG4 323685	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG5 323686	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG6 323687	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG7 323688	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG8 323689	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
BAYONEEC___CTG9 323749	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.82 1.35 -17.75	36.26 1.32 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89

BEACON___LESR 323632	22.24 0.25 -13.71	20.91 0.25 -12.08	19.88 0.27 -11.57	19.70 0.25 -11.45	20.42 0.24 -12.21	21.71 0.27 -12.96	30.23 0.22 -22.03	32.57 0.40 -16.88	26.87 0.49 -10.99	22.11 0.49 -6.16	21.90 0.47 -7.32	21.50 0.38 -8.93	22.70 0.34 -10.17	22.91 0.33 -10.39	22.89 0.33 -10.37	24.85 0.34 -12.34	28.74 0.39 -16.16	35.08 0.39 -22.50	40.28 0.45 -25.29	39.93 0.53 -21.67	39.57 0.57 -21.22	33.34 0.51 -17.40	24.41 0.49 -8.48	22.89 0.24 -14.70
BEAVER RIVER___HYD 24048	8.47 -0.24 -0.43	8.73 -0.23 -0.38	8.19 -0.22 -0.36	8.15 -0.21 -0.36	8.15 -0.20 -0.38	8.71 -0.18 -0.41	8.53 -0.14 -0.69	15.53 -0.29 -0.53	15.29 -0.45 -0.35	15.15 -0.50 -0.20	13.90 -0.45 -0.24	12.06 -0.41 -0.28	12.09 -0.43 -0.33	12.11 -0.41 -0.33	12.09 -0.44 -0.33	12.15 -0.43 -0.39	12.32 -0.39 -0.52	12.59 -0.32 -0.72	15.08 -0.28 -0.81	18.22 -0.19 -0.68	18.29 -0.16 -0.67	15.90 -0.08 -0.55	15.57 -0.12 -0.27	8.34 -0.08 -0.46
BEEBEE_GT_13 23619	9.75 0.12 -1.36	9.90 0.12 -1.19	9.32 0.13 -1.14	9.25 0.12 -1.13	9.29 0.11 -1.21	9.90 0.14 -1.28	10.20 0.05 -2.18	16.75 -0.21 -1.67	16.23 -0.26 -1.11	15.72 -0.36 -0.62	14.62 -0.24 -0.75	12.83 -0.26 -0.89	13.01 -0.23 -1.05	13.02 -0.23 -1.06	13.01 -0.24 -1.06	13.15 -0.28 -1.25	13.60 -0.23 -1.64	14.31 -0.16 -2.28	16.85 -0.26 -2.57	19.53 -0.35 -2.16	19.56 -0.32 -2.10	16.84 -0.31 -1.72	15.99 -0.28 -0.84	9.53 0.13 -1.45
BENSHRST_27_KV_BENSHRST_1 355998	19.79 0.59 -10.92	18.78 0.61 -9.59	17.79 0.56 -9.19	17.63 0.54 -9.09	18.21 0.54 -9.70	19.34 0.57 -10.30	26.04 0.57 -17.49	29.82 1.12 -13.41	25.81 1.34 -9.08	21.99 1.44 -5.10	21.61 1.31 -6.18	20.59 1.17 -7.22	22.08 1.17 -8.72	22.09 1.18 -8.72	22.08 1.17 -8.72	23.52 1.13 -10.21	26.75 1.06 -13.50	31.85 1.00 -18.66	36.94 1.27 -21.13	36.65 1.49 -17.43	36.08 1.44 -16.85	30.49 1.23 -13.82	23.34 1.17 -6.74	20.24 0.61 -11.67
BETHLEHEM___GRP 23843	22.02 0.07 -13.67	20.66 0.08 -12.00	19.64 0.10 -11.49	19.48 0.10 -11.38	20.19 0.09 -12.13	21.46 0.10 -12.88	29.94 0.07 -21.89	32.17 0.11 -16.77	26.47 0.18 -10.90	21.79 0.23 -6.11	21.56 0.20 -7.25	21.25 0.20 -8.86	22.38 0.13 -10.06	22.63 0.15 -10.30	22.59 0.13 -10.27	24.55 0.15 -12.23	28.36 0.16 -16.01	34.67 0.17 -22.30	39.79 0.19 -25.06	39.48 0.23 -21.52	39.10 0.23 -21.08	32.92 0.20 -17.29	24.08 0.22 -8.43	22.64 0.09 -14.60
BETHLEHEM___GS1 323560	22.08 0.07 -13.73	20.75 0.08 -12.09	19.73 0.10 -11.58	19.57 0.10 -11.46	20.28 0.09 -12.22	21.56 0.10 -12.98	30.10 0.07 -22.05	32.30 0.11 -16.90	26.60 0.20 -11.01	21.83 0.20 -6.17	21.69 0.24 -7.34	21.33 0.19 -8.94	22.54 0.16 -10.19	22.75 0.15 -10.41	22.72 0.13 -10.39	24.68 0.15 -12.36	28.54 0.16 -16.19	34.89 0.16 -22.54	40.07 0.19 -25.34	39.66 0.23 -21.70	39.27 0.25 -21.24	33.05 0.20 -17.42	24.14 0.22 -8.49	22.76 0.10 -14.71
BETHLEHEM___GS2 323561	22.08 0.07 -13.73	20.75 0.08 -12.09	19.73 0.10 -11.58	19.57 0.10 -11.46	20.28 0.09 -12.22	21.56 0.10 -12.98	30.10 0.07 -22.05	32.30 0.11 -16.90	26.60 0.20 -11.01	21.83 0.20 -6.17	21.69 0.24 -7.34	21.33 0.19 -8.94	22.54 0.16 -10.19	22.75 0.15 -10.41	22.72 0.13 -10.39	24.68 0.15 -12.36	28.54 0.16 -16.19	34.89 0.16 -22.54	40.07 0.19 -25.34	39.66 0.23 -21.70	39.27 0.25 -21.24	33.05 0.20 -17.42	24.14 0.22 -8.49	22.76 0.10 -14.71
BETHLEHEM___GS3 323562	22.08 0.07 -13.73	20.75 0.08 -12.09	19.73 0.10 -11.58	19.57 0.10 -11.46	20.28 0.09 -12.22	21.56 0.10 -12.98	30.10 0.07 -22.05	32.30 0.11 -16.90	26.60 0.20 -11.01	21.83 0.20 -6.17	21.69 0.24 -7.34	21.33 0.19 -8.94	22.54 0.16 -10.19	22.75 0.15 -10.41	22.72 0.13 -10.39	24.68 0.15 -12.36	28.54 0.16 -16.19	34.89 0.16 -22.54	40.07 0.19 -25.34	39.66 0.23 -21.70	39.27 0.25 -21.24	33.05 0.20 -17.42	24.14 0.22 -8.49	22.76 0.10 -14.71
BETHLEHEM___STEEL 23779	10.16 0.14 -1.74	10.30 0.19 -1.53	9.71 0.20 -1.46	9.63 0.18 -1.45	9.66 0.14 -1.55	10.28 0.16 -1.64	10.78 0.02 -2.79	16.95 -0.47 -2.14	16.25 -0.55 -1.42	15.60 -0.65 -0.80	14.58 -0.49 -0.96	12.85 -0.49 -1.14	13.09 -0.45 -1.35	13.07 -0.48 -1.36	13.02 -0.52 -1.36	13.22 -0.56 -1.60	13.78 -0.51 -2.11	14.76 -0.35 -2.92	17.27 -0.57 -3.29	19.76 -0.73 -2.76	19.75 -0.71 -2.69	17.02 -0.62 -2.20	15.95 -0.56 -1.07	9.92 0.10 -1.86
BETHLHEM_115KV_TB1 79974	22.12 0.23 -13.61	20.77 0.24 -11.95	19.72 0.23 -11.44	19.56 0.23 -11.33	20.28 0.23 -12.08	21.55 0.25 -12.83	29.98 0.22 -21.79	32.38 0.38 -16.70	26.78 0.46 -10.93	22.05 0.46 -6.13	21.82 0.41 -7.30	21.41 0.37 -8.86	22.70 0.35 -10.16	22.90 0.35 -10.35	22.88 0.35 -10.33	24.80 0.35 -12.27	28.63 0.35 -16.09	34.94 0.37 -22.39	40.17 0.45 -25.18	39.75 0.55 -21.47	39.33 0.55 -20.99	33.13 0.48 -17.22	24.32 0.49 -8.39	22.73 0.24 -14.54
BETHPAGE_CC_5 323564	23.62 0.72 -14.62	21.10 0.76 -11.76	18.61 0.70 -9.87	17.96 0.68 -9.28	19.45 0.69 -10.79	24.84 0.75 -15.62	31.45 0.73 -22.74	32.08 1.41 -15.38	33.06 1.54 -16.14	31.21 1.50 -14.25	27.95 1.47 -12.37	26.03 1.21 -12.63	27.87 1.27 -14.41	26.85 1.26 -13.41	27.88 1.26 -14.44	28.40 1.22 -15.00	34.38 1.08 -21.10	38.97 1.02 -25.75	45.82 1.24 -30.04	38.45 1.51 -19.22	59.41 1.49 -40.13	34.38 1.25 -17.70	27.99 1.30 -11.26	28.86 0.67 -20.24
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	10.18 0.11 -1.80	10.31 0.15 -1.58	9.72 0.17 -1.51	9.65 0.15 -1.50	9.68 0.11 -1.60	10.31 0.14 -1.70	10.86 0.00 -2.88	17.01 -0.49 -2.21	16.30 -0.55 -1.47	15.63 -0.65 -0.83	14.60 -0.51 -0.99	12.86 -0.51 -1.18	13.11 -0.48 -1.39	13.09 -0.50 -1.40	13.04 -0.55 -1.40	13.25 -0.58 -1.65	13.83 -0.54 -2.18	14.83 -0.38 -3.02	17.36 -0.58 -3.40	19.84 -0.74 -2.85	19.83 -0.73 -2.77	17.06 -0.65 -2.28	15.95 -0.59 -1.11	9.95 0.08 -1.92
BINGHAMTON___COGEN 23790	11.77 0.16 -3.34	11.69 0.18 -2.93	11.02 0.17 -2.81	10.94 0.16 -2.78	11.09 0.16 -2.96	11.81 0.19 -3.15	13.48 0.15 -5.35	19.53 0.14 -4.10	18.22 0.11 -2.73	17.06 0.08 -1.53	16.03 0.07 -1.84	14.41 0.02 -2.19	14.81 0.04 -2.58	14.83 0.04 -2.60	14.83 0.04 -2.60	15.27 0.02 -3.07	16.28 0.05 -4.04	17.90 0.11 -5.60	20.96 0.10 -6.32	23.20 0.18 -5.30	23.15 0.21 -5.15	19.81 0.15 -4.23	17.66 0.17 -2.06	11.72 0.20 -3.57
BIXINCNT_115KV_LOAD 355685	10.47 0.17 -2.03	10.58 0.21 -1.78	9.97 0.22 -1.71	9.88 0.19 -1.69	9.91 0.14 -1.80	10.56 0.17 -1.91	11.27 0.05 -3.25	17.44 -0.34 -2.49	16.64 -0.40 -1.66	15.89 -0.49 -0.93	14.84 -0.40 -1.12	13.12 -0.40 -1.33	13.38 -0.38 -1.57	13.36 -0.41 -1.58	13.31 -0.46 -1.58	13.54 -0.50 -1.86	14.19 -0.45 -2.45	15.30 -0.29 -3.40	17.91 -0.47 -3.84	20.39 -0.55 -3.22	20.39 -0.52 -3.13	17.50 -0.49 -2.57	16.24 -0.45 -1.25	10.22 0.10 -2.17
BLACK RIVER___HYD 24047	8.68 -0.21 -0.61	8.93 -0.19 -0.54	8.37 -0.18 -0.51	8.34 -0.18 -0.51	8.34 -0.17 -0.54	8.93 -0.13 -0.58	8.86 -0.10 -0.98	15.75 -0.29 -0.75	15.40 -0.48 -0.50	15.19 -0.54 -0.28	13.97 -0.48 -0.33	12.14 -0.45 -0.40	12.21 -0.45 -0.47	12.21 -0.45 -0.47	12.19 -0.48 -0.47	12.26 -0.48 -0.56	12.50 -0.43 -0.73	12.88 -0.33 -1.02	15.40 -0.29 -1.15	18.59 -0.11 -0.97	18.71 -0.02 -0.95	16.21 0.00 -0.78	15.76 -0.05 -0.38	8.59 -0.02 -0.65

BLACKRVR_115KV_TB2 79977	8.66 -0.21 -0.59	8.91 -0.19 -0.52	8.35 -0.19 -0.49	8.32 -0.18 -0.49	8.32 -0.17 -0.52	8.90 -0.13 -0.55	8.82 -0.10 -0.94	15.72 -0.29 -0.72	15.40 -0.46 -0.48	15.17 -0.56 -0.27	13.94 -0.49 -0.32	12.12 -0.45 -0.39	12.17 -0.48 -0.45	12.20 -0.45 -0.46	12.17 -0.48 -0.46	12.24 -0.47 -0.54	12.47 -0.43 -0.71	12.86 -0.32 -0.98	15.36 -0.29 -1.11	18.55 -0.11 -0.93	18.67 -0.02 -0.91	16.18 0.00 -0.74	15.75 -0.05 -0.36	8.56 -0.02 -0.63
BLISS_WT_PWR 323608	10.35 0.17 -1.91	10.47 0.21 -1.67	9.86 0.22 -1.60	9.78 0.19 -1.58	9.80 0.14 -1.69	10.43 0.16 -1.79	11.08 0.06 -3.05	17.34 -0.32 -2.38	16.56 -0.40 -1.58	15.87 -0.46 -0.89	14.69 -0.48 -1.06	13.06 -0.40 -1.27	13.28 -0.39 -1.48	13.29 -0.40 -1.50	13.24 -0.45 -1.50	13.45 -0.50 -1.77	14.07 -0.45 -2.33	14.99 -0.43 -3.22	17.71 -0.47 -3.63	20.24 -0.55 -3.07	20.27 -0.50 -2.99	17.39 -0.49 -2.45	16.16 -0.46 -1.19	10.12 0.10 -2.07
BLUE_CIRC_CHEM_DRP 24182	21.92 0.25 -13.40	20.60 0.26 -11.76	19.57 0.26 -11.26	19.40 0.25 -11.15	20.10 0.25 -11.89	21.36 0.26 -12.62	29.65 0.22 -21.45	32.11 0.38 -16.44	26.59 0.45 -10.76	21.93 0.45 -6.03	21.69 0.40 -7.18	21.25 0.34 -8.71	22.50 0.32 -9.99	22.71 0.33 -10.19	22.67 0.32 -10.16	24.58 0.33 -12.07	28.37 0.35 -15.83	34.59 0.38 -22.02	39.75 0.44 -24.77	39.39 0.53 -21.14	39.02 0.57 -20.66	32.87 0.49 -16.95	24.20 0.51 -8.26	22.52 0.25 -14.31
BOC_GAS_DRP 24189	22.10 0.22 -13.61	20.75 0.22 -11.95	19.70 0.22 -11.44	19.55 0.22 -11.33	20.25 0.21 -12.08	21.53 0.23 -12.83	29.97 0.20 -21.79	32.35 0.35 -16.70	26.75 0.43 -10.93	22.03 0.45 -6.13	21.81 0.40 -7.30	21.40 0.35 -8.86	22.68 0.33 -10.16	22.89 0.34 -10.35	22.85 0.33 -10.33	24.78 0.33 -12.27	28.61 0.33 -16.09	34.92 0.34 -22.39	40.12 0.39 -25.18	39.70 0.50 -21.47	39.27 0.50 -20.99	33.08 0.43 -17.22	24.26 0.43 -8.39	22.71 0.21 -14.54
BOONVILLE_115KV_TB1 79983	8.62 0.04 -0.30	8.90 0.06 -0.26	8.34 0.05 -0.25	8.30 0.05 -0.25	8.29 0.06 -0.26	8.86 0.10 -0.28	8.53 0.08 -0.48	15.76 0.11 -0.36	15.66 0.03 -0.24	15.60 0.02 -0.14	14.31 0.03 -0.16	12.39 0.00 -0.19	12.41 -0.01 -0.23	12.38 -0.04 -0.23	12.36 -0.06 -0.23	12.40 -0.05 -0.27	12.54 -0.01 -0.36	12.74 0.05 -0.50	15.20 0.10 -0.56	18.45 0.25 -0.47	18.52 0.28 -0.46	16.13 0.32 -0.38	15.91 0.29 -0.18	8.42 0.15 -0.32
BORALEX_4TH_BRANCH 23824	22.38 0.36 -13.74	21.05 0.36 -12.10	19.98 0.34 -11.59	19.82 0.34 -11.48	20.54 0.33 -12.24	21.89 0.42 -12.99	30.43 0.38 -22.08	32.85 0.64 -16.92	26.93 0.74 -10.81	22.13 0.62 -6.05	21.83 0.59 -7.12	21.55 0.49 -8.87	22.50 0.50 -9.81	22.84 0.50 -10.15	22.80 0.50 -10.11	24.80 0.50 -12.12	28.53 0.54 -15.81	34.81 0.54 -22.09	39.93 0.65 -24.73	40.13 0.82 -21.59	39.87 0.82 -21.27	33.60 0.73 -17.44	24.72 0.79 -8.50	23.05 0.37 -14.73
BOWLINE___1 23526	19.40 0.48 -10.65	18.05 0.49 -8.98	17.10 0.45 -8.61	16.97 0.45 -8.52	17.50 0.45 -9.08	18.61 0.49 -9.65	24.84 0.48 -16.39	28.77 0.95 -12.53	24.95 1.09 -8.47	21.32 1.11 -4.76	20.91 1.04 -5.75	19.84 0.90 -6.74	21.22 0.91 -8.11	21.22 0.91 -8.12	21.22 0.91 -8.12	22.58 0.89 -9.52	25.60 0.83 -12.58	30.39 0.80 -17.40	35.20 0.97 -19.69	35.22 1.21 -16.28	34.73 1.19 -15.75	29.37 1.02 -12.92	22.72 0.99 -6.30	19.36 0.49 -10.91
BOWLINE___2 23595	19.40 0.48 -10.65	18.05 0.49 -8.98	17.10 0.45 -8.61	16.97 0.45 -8.52	17.51 0.45 -9.08	18.61 0.49 -9.65	24.84 0.48 -16.39	28.77 0.95 -12.53	24.95 1.09 -8.47	21.32 1.11 -4.76	20.91 1.04 -5.76	19.84 0.90 -6.75	21.22 0.91 -8.11	21.22 0.91 -8.12	21.22 0.91 -8.12	22.59 0.89 -9.52	25.60 0.83 -12.58	30.39 0.80 -17.40	35.20 0.97 -19.69	35.22 1.21 -16.28	34.74 1.21 -15.75	29.37 1.02 -12.92	22.72 0.99 -6.30	19.36 0.49 -10.91
BRADY___115KV_TB2 356060	8.12 -0.25 -0.09	8.39 -0.27 -0.08	7.88 -0.24 -0.08	7.88 -0.20 -0.08	7.87 -0.18 -0.08	8.29 -0.27 -0.09	7.95 -0.18 -0.15	15.27 -0.14 -0.11	15.13 -0.32 -0.07	15.20 -0.29 -0.04	13.90 -0.27 -0.05	12.01 -0.24 -0.06	12.00 -0.26 -0.07	11.99 -0.27 -0.07	12.00 -0.26 -0.07	12.03 -0.23 -0.08	12.07 -0.23 -0.11	12.10 -0.24 -0.15	14.54 -0.17 -0.17	17.52 -0.35 -0.14	17.53 -0.39 -0.14	15.30 -0.25 -0.12	15.23 -0.26 -0.06	7.82 -0.23 -0.10
BRANSCOMB___SOLAR 323811	22.87 0.35 -14.24	21.48 0.36 -12.54	20.39 0.33 -12.01	20.22 0.33 -11.89	20.98 0.33 -12.68	22.33 0.39 -13.46	31.23 0.38 -22.87	33.46 0.64 -17.53	27.45 0.68 -11.39	22.41 0.57 -6.39	22.24 0.55 -7.58	21.88 0.43 -9.26	23.15 0.44 -10.52	23.41 0.45 -10.77	23.37 0.44 -10.74	25.43 0.46 -12.79	29.46 0.52 -16.74	36.08 0.57 -23.32	41.43 0.68 -26.20	41.07 0.85 -22.49	40.74 0.92 -22.04	34.29 0.79 -18.07	25.00 0.76 -8.81	23.58 0.37 -15.26
BRENTWOD_69_KV_W. BRTWOOD 56703	23.61 0.78 -14.55	20.97 0.82 -11.57	18.50 0.76 -9.69	17.83 0.73 -9.10	19.31 0.75 -10.59	24.69 0.81 -15.41	31.18 0.81 -22.39	31.95 1.53 -15.13	33.01 1.65 -15.98	30.53 1.62 -13.46	27.79 1.41 -12.27	25.96 1.27 -12.50	27.70 1.23 -14.27	26.81 1.35 -13.26	27.82 1.34 -14.29	28.30 1.29 -14.83	34.26 1.19 -20.88	38.77 1.15 -25.44	45.50 1.27 -29.69	38.18 1.54 -18.91	59.15 1.55 -39.82	34.30 1.42 -17.44	28.06 1.50 -11.14	28.10 0.77 -19.37
BRISTLHL_115KV_TB1 79998	9.10 -0.15 -0.97	9.28 -0.15 -0.86	8.72 -0.14 -0.82	8.66 -0.15 -0.81	8.69 -0.14 -0.86	9.26 -0.14 -0.92	9.39 -0.15 -1.56	16.09 -0.40 -1.20	15.76 -0.42 -0.80	15.45 -0.45 -0.45	14.26 -0.40 -0.54	12.46 -0.37 -0.64	12.58 -0.37 -0.75	12.57 -0.38 -0.76	12.58 -0.37 -0.76	12.70 -0.38 -0.89	13.04 -0.33 -1.18	13.53 -0.29 -1.63	16.01 -0.38 -1.84	18.90 -0.37 -1.55	18.95 -0.34 -1.50	16.36 -0.31 -1.23	15.72 -0.31 -0.60	8.91 -0.08 -1.04
BROOKHAVEN___DRP 24191	23.59 0.76 -14.55	20.95 0.81 -11.57	18.48 0.75 -9.69	17.81 0.71 -9.10	19.30 0.74 -10.59	24.68 0.79 -15.41	31.17 0.80 -22.39	31.92 1.50 -15.13	32.95 1.58 -15.98	30.50 1.58 -13.47	27.72 1.34 -12.27	25.89 1.19 -12.50	27.63 1.17 -14.27	26.72 1.27 -13.26	27.75 1.27 -14.29	28.21 1.21 -14.83	34.20 1.13 -20.88	38.77 1.15 -25.44	45.60 1.37 -29.69	38.32 1.68 -18.91	59.28 1.67 -39.82	34.25 1.37 -17.44	28.00 1.44 -11.14	28.06 0.72 -19.38
BROOKLYN_NAVY_YARD 23515	19.79 0.51 -11.00	18.91 0.55 -9.78	17.91 0.50 -9.37	17.77 0.50 -9.28	18.35 0.49 -9.89	19.51 0.53 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.15 1.10 -8.86	22.15 1.10 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.89 0.98 -13.72	32.09 0.91 -18.98	37.14 1.12 -21.48	36.80 1.33 -17.75	36.24 1.30 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.39 0.55 -11.89
BROOKLYN___ARMY_DRP 323595	19.77 0.56 -10.92	18.75 0.58 -9.59	17.76 0.53 -9.19	17.61 0.51 -9.09	18.18 0.52 -9.70	19.32 0.54 -10.30	26.01 0.53 -17.49	29.77 1.07 -13.41	25.74 1.28 -9.08	21.93 1.38 -5.10	21.55 1.26 -6.18	20.54 1.12 -7.22	22.03 1.12 -8.72	22.04 1.13 -8.72	22.03 1.12 -8.72	23.47 1.08 -10.21	26.70 1.01 -13.50	31.80 0.95 -18.66	36.86 1.19 -21.13	36.56 1.40 -17.43	36.00 1.37 -16.85	30.41 1.16 -13.82	23.30 1.13 -6.74	20.21 0.58 -11.67

BROOKVLE_69_KV_TB1 55790	23.50 0.67 -14.55	20.86 0.71 -11.57	18.38 0.65 -9.69	17.73 0.63 -9.10	19.21 0.65 -10.59	24.58 0.70 -15.41	31.05 0.68 -22.39	31.75 1.33 -15.13	32.84 1.48 -15.98	29.36 1.50 -12.41	27.74 1.35 -12.27	25.90 1.21 -12.50	27.66 1.19 -14.27	26.70 1.24 -13.26	27.72 1.23 -14.29	28.21 1.21 -14.83	34.22 1.15 -20.88	38.74 1.11 -25.44	45.57 1.34 -29.69	38.25 1.61 -18.91	59.21 1.60 -39.82	34.22 1.34 -17.44	27.88 1.31 -11.14	27.02 0.66 -18.40
BROOME_2_LFGE 323671	11.57 0.16 -3.14	11.51 0.18 -2.75	10.85 0.17 -2.63	10.77 0.16 -2.61	10.91 0.16 -2.78	11.61 0.19 -2.95	13.14 0.15 -5.01	19.41 0.14 -3.98	18.13 0.11 -2.64	17.01 0.08 -1.48	15.93 0.04 -1.77	14.34 0.02 -2.12	14.70 0.04 -2.48	14.73 0.04 -2.51	14.73 0.04 -2.50	15.16 0.02 -2.96	16.13 0.05 -3.89	17.65 0.06 -5.40	20.73 0.10 -6.09	23.04 0.18 -5.13	23.00 0.21 -5.00	19.69 0.15 -4.10	17.60 0.17 -2.00	11.62 0.20 -3.46
BROOME__LFGE 323600	11.57 0.16 -3.14	11.51 0.18 -2.75	10.85 0.17 -2.63	10.77 0.16 -2.61	10.91 0.16 -2.78	11.61 0.19 -2.95	13.14 0.15 -5.01	19.41 0.14 -3.98	18.13 0.11 -2.64	17.01 0.08 -1.48	15.93 0.04 -1.77	14.34 0.02 -2.12	14.70 0.04 -2.48	14.73 0.04 -2.51	14.73 0.04 -2.50	15.16 0.02 -2.96	16.13 0.05 -3.89	17.65 0.06 -5.40	20.73 0.10 -6.09	23.04 0.18 -5.13	23.00 0.21 -5.00	19.69 0.15 -4.10	17.60 0.17 -2.00	11.62 0.20 -3.46
BROWNFLS_115KV_TB_3_5 80003	8.13 -0.42 -0.28	8.39 -0.43 -0.24	7.87 -0.40 -0.23	7.85 -0.38 -0.23	7.86 -0.36 -0.25	8.33 -0.41 -0.26	8.11 -0.31 -0.44	15.11 -0.52 -0.34	14.92 -0.69 -0.23	14.87 -0.71 -0.13	13.62 -0.65 -0.15	11.79 -0.59 -0.18	11.81 -0.60 -0.21	11.81 -0.60 -0.22	11.81 -0.60 -0.21	11.85 -0.58 -0.25	11.96 -0.56 -0.33	12.13 -0.52 -0.46	14.54 -0.52 -0.52	17.55 -0.62 -0.44	17.60 -0.60 -0.43	15.32 -0.46 -0.35	15.09 -0.51 -0.17	7.93 -0.32 -0.30
BROWNSV1_27_KV_LOAD 356125	19.80 0.60 -10.92	18.80 0.63 -9.59	17.80 0.57 -9.19	17.66 0.56 -9.09	18.22 0.56 -9.69	19.37 0.60 -10.30	26.07 0.60 -17.49	29.91 1.21 -13.41	25.87 1.40 -9.08	22.05 1.50 -5.10	21.65 1.35 -6.18	20.62 1.21 -7.22	22.12 1.21 -8.72	22.12 1.22 -8.71	22.11 1.21 -8.72	23.56 1.17 -10.21	26.77 1.08 -13.49	31.89 1.04 -18.66	36.93 1.27 -21.13	36.68 1.52 -17.43	36.13 1.49 -16.85	30.53 1.28 -13.82	23.40 1.23 -6.74	20.24 0.61 -11.67
BURROWS__LYONSDAL 23803	8.58 -0.02 -0.32	8.86 0.00 -0.28	8.30 -0.01 -0.27	8.26 -0.01 -0.26	8.25 0.00 -0.28	8.82 0.04 -0.30	8.52 0.03 -0.51	15.69 0.02 -0.39	15.57 -0.08 -0.26	15.50 -0.09 -0.14	14.22 -0.07 -0.17	12.31 -0.09 -0.21	12.34 -0.10 -0.24	12.31 -0.12 -0.25	12.29 -0.15 -0.25	12.35 -0.12 -0.29	12.47 -0.10 -0.38	12.70 -0.02 -0.53	15.15 0.01 -0.60	18.39 0.16 -0.50	18.46 0.20 -0.49	16.08 0.25 -0.40	15.83 0.20 -0.20	8.39 0.10 -0.34
CAITHNESS_CC_1 323624	23.66 0.76 -14.62	21.15 0.81 -11.76	18.66 0.75 -9.87	18.00 0.72 -9.28	19.50 0.74 -10.79	24.88 0.79 -15.62	31.53 0.81 -22.74	32.19 1.51 -15.38	33.13 1.61 -16.14	31.55 1.55 -14.55	27.99 1.51 -12.37	26.03 1.21 -12.63	27.89 1.29 -14.41	26.89 1.29 -13.41	27.91 1.28 -14.44	28.40 1.22 -15.00	34.45 1.16 -21.10	39.07 1.12 -25.75	45.95 1.37 -30.04	38.63 1.68 -19.22	59.59 1.67 -40.13	34.50 1.37 -17.70	28.11 1.42 -11.26	29.19 0.73 -20.51
CALPINE BETH_PAGE_GT4 24209	23.55 0.72 -14.55	20.91 0.76 -11.57	18.43 0.70 -9.69	17.77 0.67 -9.10	19.26 0.69 -10.59	24.63 0.75 -15.41	31.08 0.71 -22.39	31.80 1.38 -15.13	32.87 1.51 -15.98	30.27 1.51 -13.30	27.71 1.33 -12.27	25.89 1.19 -12.50	27.63 1.17 -14.27	26.69 1.23 -13.26	27.70 1.22 -14.29	28.19 1.18 -14.83	34.18 1.11 -20.88	38.66 1.04 -25.44	45.47 1.24 -29.69	38.14 1.51 -18.91	59.08 1.48 -39.82	34.11 1.23 -17.44	27.85 1.28 -11.14	27.86 0.68 -19.23
CALPINE_BETH_PAGE_GT_4 323586	23.62 0.72 -14.62	21.10 0.76 -11.76	18.61 0.70 -9.87	17.95 0.67 -9.28	19.45 0.69 -10.79	24.84 0.75 -15.62	31.43 0.71 -22.74	32.05 1.38 -15.38	33.04 1.52 -16.14	31.06 1.48 -14.12	27.94 1.45 -12.37	26.02 1.20 -12.63	27.85 1.24 -14.41	26.84 1.24 -13.41	27.86 1.23 -14.44	28.39 1.21 -15.00	34.36 1.06 -21.10	38.96 1.01 -25.75	45.82 1.24 -30.04	38.45 1.51 -19.22	59.39 1.48 -40.13	34.37 1.24 -17.70	28.00 1.31 -11.26	28.74 0.67 -20.12
CALPINE_BP_GT1 23823	23.62 0.72 -14.62	21.10 0.76 -11.76	18.61 0.70 -9.87	17.95 0.67 -9.28	19.45 0.69 -10.79	24.84 0.75 -15.62	31.43 0.71 -22.74	32.05 1.38 -15.38	33.04 1.52 -16.14	31.06 1.48 -14.12	27.94 1.45 -12.37	26.02 1.20 -12.63	27.85 1.24 -14.41	26.84 1.24 -13.41	27.86 1.23 -14.44	28.39 1.21 -15.00	34.36 1.06 -21.10	38.96 1.01 -25.75	45.82 1.24 -30.04	38.45 1.51 -19.22	59.39 1.48 -40.13	34.37 1.24 -17.70	28.00 1.31 -11.26	28.74 0.67 -20.12
CALSPAN__DRP 24200	10.16 0.14 -1.74	10.30 0.19 -1.53	9.71 0.20 -1.46	9.63 0.18 -1.45	9.66 0.14 -1.55	10.28 0.16 -1.64	10.78 0.02 -2.79	16.95 0.02 -2.14	16.25 -0.55 -1.42	15.60 -0.65 -0.80	14.58 -0.49 -0.96	12.85 -0.49 -1.14	13.09 -0.45 -1.35	13.07 -0.48 -1.36	13.02 -0.52 -1.36	13.22 -0.56 -1.60	13.78 -0.51 -2.11	14.76 -0.35 -2.92	17.27 -0.57 -3.29	19.76 -0.73 -2.76	19.75 -0.71 -2.69	17.02 -0.62 -2.20	15.95 -0.56 -1.07	9.92 0.10 -1.86
CALVERTON__SOLAR 323806	23.67 0.77 -14.62	21.15 0.82 -11.76	18.68 0.76 -9.87	18.00 0.72 -9.28	19.51 0.75 -10.79	24.89 0.80 -15.62	31.53 0.81 -22.74	32.19 1.51 -15.38	33.13 1.61 -16.14	31.54 1.55 -14.55	27.98 1.50 -12.37	26.00 1.18 -12.63	27.87 1.27 -14.41	26.85 1.26 -13.41	27.90 1.27 -14.44	28.38 1.19 -15.00	34.44 1.15 -21.10	39.07 1.12 -25.75	45.97 1.38 -30.04	38.65 1.70 -19.22	59.62 1.71 -40.13	34.52 1.39 -17.70	28.13 1.44 -11.26	29.19 0.73 -20.51
CANDIGU_WT_PWR 323617	10.74 0.23 -2.23	10.80 0.27 -1.96	10.18 0.26 -1.88	10.10 0.24 -1.86	10.18 0.23 -1.98	10.84 0.26 -2.10	11.72 0.18 -3.57	18.09 0.02 -2.78	17.15 -0.08 -1.84	16.38 -0.11 -1.03	15.21 -0.14 -1.24	13.54 -0.13 -1.49	13.79 -0.13 -1.73	13.80 -0.15 -1.75	13.80 -0.15 -1.75	14.08 -0.17 -2.07	14.79 -0.12 -2.72	15.86 -0.11 -3.78	18.71 -0.09 -4.26	21.25 -0.07 -3.59	21.24 -0.04 -3.50	18.22 -0.08 -2.87	16.80 -0.03 -1.40	10.61 0.23 -2.42
CARR STREET_E_SYR 24060	9.31 -0.04 -1.08	9.48 -0.04 -0.94	8.91 -0.04 -0.90	8.85 -0.05 -0.89	8.88 -0.04 -0.95	9.46 -0.03 -1.01	9.67 -0.03 -1.72	16.43 -0.21 -1.35	16.05 -0.23 -0.90	15.72 -0.23 -0.50	14.49 -0.23 -0.60	12.70 -0.21 -0.72	12.84 -0.20 -0.84	12.85 -0.20 -0.85	12.86 -0.18 -0.85	12.98 -0.21 -1.01	13.33 -0.18 -1.32	13.83 -0.20 -1.84	16.41 -0.20 -2.07	19.30 -0.18 -1.75	19.34 -0.14 -1.70	16.69 -0.14 -1.40	15.97 -0.14 -0.68	9.15 0.02 -1.18
CARTHAGE__PAPER 23857	8.58 -0.24 -0.54	8.83 -0.23 -0.48	8.27 -0.23 -0.46	8.24 -0.22 -0.45	8.25 -0.20 -0.48	8.82 -0.17 -0.51	8.72 -0.13 -0.87	15.65 -0.31 -0.67	15.35 -0.48 -0.44	15.17 -0.53 -0.25	13.93 -0.48 -0.30	12.11 -0.44 -0.36	12.15 -0.45 -0.41	12.16 -0.45 -0.42	12.13 -0.48 -0.42	12.21 -0.46 -0.50	12.43 -0.41 -0.65	12.77 -0.33 -0.90	15.27 -0.29 -1.02	18.41 -0.18 -0.86	18.51 -0.11 -0.84	16.07 -0.05 -0.69	15.66 -0.11 -0.33	8.46 -0.07 -0.58

CASSADAGA_WT_PWR 323784	10.55 0.44 -1.83	10.69 0.50 -1.61	10.07 0.48 -1.54	9.98 0.46 -1.52	10.00 0.41 -1.63	10.67 0.47 -1.73	11.24 0.33 -2.93	17.74 0.17 -2.28	16.96 0.06 -1.52	16.37 0.06 -0.85	15.06 -0.07 -1.02	13.39 -0.02 -1.22	13.58 -0.04 -1.43	13.59 -0.05 -1.44	13.51 -0.12 -1.44	13.70 -0.18 -1.70	14.31 -0.12 -2.24	15.22 -0.07 -3.10	17.99 -0.04 -3.50	20.62 -0.05 -2.95	20.62 -0.04 -2.87	17.74 -0.05 -2.36	16.55 -0.03 -1.15	10.28 0.33 -1.99
CE_DUNWOOD___DRP 24194	19.68 0.50 -10.90	18.68 0.53 -9.57	17.70 0.49 -9.17	17.56 0.48 -9.07	18.13 0.49 -9.67	19.27 0.52 -10.27	25.94 0.51 -17.46	29.68 1.01 -13.38	25.62 1.17 -9.06	21.76 1.22 -5.09	21.38 1.10 -6.17	20.39 0.99 -7.21	21.87 0.98 -8.70	21.89 1.00 -8.70	21.87 0.99 -8.70	23.33 0.96 -10.19	26.56 0.90 -13.47	31.69 0.88 -18.62	36.67 1.05 -21.08	36.40 1.28 -17.40	35.86 1.26 -16.82	30.30 1.08 -13.79	23.19 1.03 -6.72	20.12 0.52 -11.65
CE_MILLWOOD___DRP 24193	19.66 0.49 -10.89	18.67 0.52 -9.56	17.68 0.47 -9.16	17.54 0.47 -9.07	18.10 0.47 -9.67	19.25 0.51 -10.26	25.91 0.49 -17.44	29.64 0.98 -13.37	25.57 1.14 -9.04	21.72 1.19 -5.08	21.34 1.07 -6.15	20.34 0.95 -7.20	21.82 0.95 -8.67	21.83 0.96 -8.67	21.83 0.96 -8.67	23.27 0.93 -10.16	26.50 0.88 -13.43	31.62 0.85 -18.58	36.59 1.02 -21.03	36.34 1.24 -17.37	35.81 1.23 -16.80	30.26 1.05 -13.78	23.17 1.02 -6.72	20.09 0.50 -11.64
CE_NYC2_DRP 24202	19.74 0.54 -10.92	18.74 0.57 -9.59	17.75 0.52 -9.19	17.60 0.50 -9.09	18.17 0.51 -9.70	19.32 0.54 -10.30	26.00 0.53 -17.49	29.75 1.06 -13.41	25.74 1.28 -9.08	21.91 1.36 -5.10	21.54 1.24 -6.18	20.54 1.12 -7.22	22.02 1.11 -8.72	22.03 1.12 -8.72	22.02 1.11 -8.72	23.46 1.07 -10.21	26.69 1.00 -13.50	31.79 0.94 -18.66	36.82 1.15 -21.13	36.53 1.37 -17.43	35.95 1.32 -16.85	30.40 1.14 -13.82	23.27 1.10 -6.74	20.19 0.56 -11.67
CE_NYC_DRP 24195	19.74 0.54 -10.92	18.75 0.57 -9.59	17.76 0.53 -9.19	17.62 0.52 -9.09	18.19 0.53 -9.69	19.33 0.56 -10.30	26.02 0.55 -17.49	29.82 1.12 -13.41	25.77 1.31 -9.08	21.96 1.41 -5.10	21.56 1.27 -6.18	20.55 1.13 -7.22	22.05 1.13 -8.72	22.05 1.15 -8.71	22.04 1.13 -8.72	23.48 1.10 -10.21	26.70 1.01 -13.49	31.82 0.96 -18.66	36.83 1.16 -21.13	36.56 1.40 -17.43	35.99 1.35 -16.85	30.43 1.17 -13.82	23.30 1.13 -6.74	20.19 0.56 -11.67
CHAFFEE___LFGE 323603	10.21 0.10 -1.84	10.34 0.15 -1.61	9.74 0.15 -1.54	9.66 0.14 -1.53	9.69 0.10 -1.63	10.32 0.12 -1.73	10.90 -0.02 -2.93	17.07 -0.50 -2.29	16.30 -0.60 -1.52	15.67 -0.63 -0.85	14.50 -0.63 -1.02	12.89 -0.52 -1.22	13.11 -0.51 -1.43	13.11 -0.52 -1.44	13.06 -0.57 -1.44	13.28 -0.61 -1.71	13.87 -0.56 -2.24	14.74 -0.55 -3.10	17.43 -0.61 -3.50	19.92 -0.76 -2.95	19.91 -0.75 -2.87	17.13 -0.66 -2.36	15.98 -0.60 -1.15	10.00 0.06 -1.99
CHATEAUG_35_KV_LOAD 355732	8.31 -0.03 -0.06	8.58 -0.06 -0.05	8.02 -0.07 -0.05	7.97 -0.09 -0.05	7.88 -0.14 -0.06	8.32 -0.21 -0.06	7.93 -0.15 -0.10	15.25 -0.12 -0.08	15.16 -0.28 -0.05	15.17 -0.31 -0.03	13.80 -0.35 -0.03	11.89 -0.34 -0.04	11.87 -0.37 -0.05	11.84 -0.40 -0.05	11.82 -0.41 -0.05	11.85 -0.39 -0.06	11.85 -0.41 -0.07	11.87 -0.43 -0.10	14.25 -0.41 -0.12	17.26 -0.57 -0.10	17.17 -0.71 -0.10	14.77 -0.74 -0.08	14.67 -0.80 -0.04	7.55 -0.47 -0.07
CHATEAUG_WT_PWR 323614	8.29 0.01 0.00	8.55 -0.03 0.00	8.00 -0.04 0.00	7.95 -0.06 0.00	7.86 -0.11 0.00	8.30 -0.18 0.00	7.87 -0.11 0.00	15.25 -0.05 0.00	15.17 -0.22 0.00	15.20 -0.25 0.00	13.87 -0.24 0.00	11.90 -0.29 0.00	11.92 -0.27 0.00	11.85 -0.34 0.00	11.84 -0.35 0.00	11.85 -0.33 0.00	11.81 -0.38 0.00	11.84 -0.35 0.00	14.16 -0.38 0.00	17.20 -0.53 0.00	17.09 -0.69 0.00	14.71 -0.73 0.00	14.65 -0.79 0.00	7.50 -0.45 0.00
CHAT_HIGH_FALL_HYD 323578	8.24 -0.03 0.00	8.52 -0.06 0.00	7.97 -0.07 0.00	7.91 -0.09 0.00	7.83 -0.14 0.00	8.26 -0.21 0.00	7.83 -0.15 0.00	15.17 -0.12 0.00	15.11 -0.28 0.00	15.16 -0.29 0.00	13.80 -0.31 0.00	11.85 -0.34 0.00	11.86 -0.33 0.00	11.80 -0.39 0.00	11.78 -0.41 0.00	11.79 -0.39 0.00	11.78 -0.41 0.00	11.81 -0.38 0.00	14.13 -0.41 0.00	17.16 -0.57 0.00	17.07 -0.71 0.00	14.69 -0.74 0.00	14.63 -0.80 0.00	7.48 -0.47 0.00
CHAUTAUQUA___LFGE 323629	10.38 0.33 -1.77	10.52 0.39 -1.55	9.91 0.38 -1.49	9.84 0.36 -1.47	9.86 0.32 -1.57	10.50 0.36 -1.67	11.03 0.22 -2.83	17.42 -0.08 -2.21	16.65 -0.20 -1.47	16.06 -0.22 -0.82	14.83 -0.27 -0.99	13.15 -0.22 -1.18	13.37 -0.20 -1.38	13.38 -0.21 -1.39	13.32 -0.27 -1.39	13.51 -0.32 -1.65	14.09 -0.27 -2.16	14.94 -0.24 -2.99	17.68 -0.23 -3.37	20.26 -0.32 -2.85	20.25 -0.30 -2.77	17.41 -0.29 -2.27	16.29 -0.25 -1.11	10.12 0.25 -1.92
CHERRYST_13_KV_LD 356241	19.76 0.56 -10.92	18.77 0.60 -9.59	17.78 0.55 -9.19	17.63 0.54 -9.09	18.21 0.54 -9.69	19.35 0.58 -10.30	26.04 0.57 -17.49	29.86 1.16 -13.41	25.84 1.37 -9.08	22.01 1.45 -5.10	21.62 1.33 -6.18	20.60 1.18 -7.22	22.09 1.18 -8.72	22.10 1.19 -8.71	22.09 1.18 -8.72	23.52 1.13 -10.21	26.75 1.06 -13.49	31.85 1.00 -18.66	36.88 1.21 -21.13	36.61 1.45 -17.43	36.04 1.40 -16.85	30.47 1.22 -13.82	23.34 1.17 -6.74	20.21 0.59 -11.67
CHESTROR_138KV_BK263 355645	18.66 0.43 -9.96	17.77 0.45 -8.74	16.83 0.41 -8.37	16.70 0.41 -8.29	17.21 0.41 -8.84	18.31 0.45 -9.38	24.37 0.45 -15.94	28.37 0.86 -12.22	24.62 0.97 -8.27	21.10 1.00 -4.64	20.64 0.90 -5.62	19.57 0.80 -6.58	20.91 0.79 -7.93	20.94 0.82 -7.93	20.92 0.80 -7.93	22.26 0.79 -9.29	25.20 0.73 -12.28	29.91 0.73 -16.98	34.64 0.87 -19.22	34.71 1.10 -15.88	34.24 1.10 -15.36	28.95 0.93 -12.60	22.48 0.91 -6.14	19.05 0.45 -10.64
CH_MIDHUDSON___DRP 24192	20.02 0.46 -11.29	18.96 0.47 -9.91	17.97 0.43 -9.49	17.83 0.43 -9.40	18.42 0.44 -10.02	19.59 0.47 -10.64	26.52 0.46 -18.08	30.05 0.90 -13.85	25.78 1.02 -9.38	21.79 1.07 -5.27	21.46 0.96 -6.38	20.51 0.85 -7.46	22.05 0.85 -9.00	22.06 0.87 -9.00	22.04 0.85 -9.00	23.55 0.83 -10.54	26.90 0.77 -13.94	32.23 0.77 -19.27	37.28 0.92 -21.82	36.91 1.17 -18.01	36.37 1.17 -17.41	30.72 1.00 -14.28	23.37 0.97 -6.96	20.49 0.48 -12.06
CH_MISC_IPPS 23765	19.70 0.50 -10.93	18.68 0.51 -9.59	17.70 0.47 -9.19	17.56 0.46 -9.10	18.14 0.47 -9.70	19.29 0.52 -10.30	25.98 0.50 -17.50	29.68 1.01 -13.38	25.52 1.12 -9.01	21.65 1.14 -5.06	21.28 1.06 -6.11	20.29 0.91 -7.19	21.71 0.91 -8.60	21.74 0.93 -8.62	21.73 0.91 -8.62	23.20 0.90 -10.12	26.38 0.83 -13.36	31.51 0.82 -18.50	36.45 0.99 -20.92	36.40 1.31 -17.36	35.92 1.32 -16.82	30.34 1.11 -13.79	23.24 1.08 -6.72	20.14 0.53 -11.65
CH_RES_BVR_FALLS 23983	8.14 -0.14 0.00	8.43 -0.15 0.00	7.89 -0.15 0.00	7.84 -0.16 0.00	7.79 -0.18 0.00	8.26 -0.22 0.00	7.79 -0.19 0.00	14.99 -0.31 0.00	15.08 -0.31 0.00	15.19 -0.26 0.00	13.86 -0.25 0.00	11.93 -0.26 0.00	11.93 -0.26 0.00	11.92 -0.27 0.00	11.91 -0.28 0.00	11.90 -0.28 0.00	11.91 -0.28 0.00	11.91 -0.28 0.00	14.19 -0.35 0.00	17.21 -0.51 0.00	17.19 -0.59 0.00	14.89 -0.54 0.00	14.88 -0.55 0.00	7.65 -0.30 0.00

CH_RES_NIAGARA 23895	9.81 -0.08 -1.62	9.96 -0.03 -1.42	9.39 -0.01 -1.36	9.32 -0.02 -1.34	9.35 -0.05 -1.43	9.94 -0.06 -1.52	10.34 -0.22 -2.59	16.31 -0.99 -2.01	15.63 -1.09 -1.34	15.11 -1.10 -0.75	14.00 -1.02 -0.90	12.41 -0.85 -1.08	12.62 -0.83 -1.26	12.63 -0.83 -1.27	12.60 -0.87 -1.27	12.78 -0.90 -1.50	13.31 -0.85 -1.97	14.01 -0.90 -2.72	16.58 -1.03 -3.07	18.99 -1.33 -2.59	18.99 -1.32 -2.52	16.36 -1.14 -2.07	15.42 -1.02 -1.01	9.62 -0.09 -1.75
CH_RES_SYRACUSE 23985	9.45 0.00 -1.17	9.61 0.00 -1.03	9.02 -0.01 -0.98	8.96 -0.02 -0.97	9.00 -0.01 -1.04	9.59 0.01 -1.10	9.84 -0.01 -1.87	16.63 -0.12 -1.46	16.19 -0.15 -0.96	15.84 -0.15 -0.54	14.59 -0.17 -0.65	12.81 -0.16 -0.78	12.95 -0.15 -0.91	12.96 -0.15 -0.92	12.97 -0.13 -0.92	13.10 -0.16 -1.08	13.49 -0.12 -1.42	14.05 -0.12 -1.98	16.65 -0.12 -2.23	19.54 -0.07 -1.88	19.58 -0.04 -1.83	16.89 -0.05 -1.50	16.12 -0.05 -0.73	9.28 0.06 -1.27
CLINTON_WT_PWR 323605	8.29 0.01 0.00	8.55 -0.03 0.00	8.00 -0.04 0.00	7.95 -0.06 0.00	7.86 -0.11 0.00	8.30 -0.18 0.00	7.87 -0.11 0.00	15.25 -0.05 0.00	15.17 -0.22 0.00	15.20 -0.25 0.00	13.87 -0.24 0.00	11.90 -0.29 0.00	11.92 -0.27 0.00	11.85 -0.34 0.00	11.84 -0.35 0.00	11.85 -0.33 0.00	11.81 -0.38 0.00	11.84 -0.35 0.00	14.16 -0.38 0.00	17.20 -0.53 0.00	17.09 -0.69 0.00	14.71 -0.73 0.00	14.65 -0.79 0.00	7.50 -0.45 0.00
CLINTON___LFGE 323618	8.45 0.17 0.00	8.72 0.14 0.00	8.16 0.11 0.00	8.11 0.10 0.00	8.01 0.04 0.00	8.47 -0.01 0.00	8.03 0.05 0.00	15.57 0.28 0.00	15.43 0.05 0.00	15.50 0.05 0.00	14.11 0.00 0.00	12.09 -0.10 0.00	12.12 -0.07 0.00	12.03 -0.16 0.00	12.03 -0.16 0.00	12.07 -0.11 0.00	12.03 -0.16 0.00	12.07 -0.12 0.00	14.45 -0.09 0.00	17.57 -0.16 0.00	17.44 -0.34 0.00	14.95 -0.48 0.00	14.86 -0.57 0.00	7.61 -0.34 0.00
COBBLENY_34_KV_TB1 80064	10.27 0.10 -1.90	10.39 0.15 -1.66	9.79 0.15 -1.59	9.72 0.14 -1.58	9.75 0.10 -1.68	10.38 0.12 -1.79	11.00 -0.02 -3.04	17.11 -0.50 -2.33	16.36 -0.57 -1.55	15.64 -0.68 -0.87	14.62 -0.54 -1.04	12.91 -0.52 -1.24	13.17 -0.49 -1.46	13.14 -0.52 -1.48	13.09 -0.57 -1.48	13.31 -0.61 -1.74	13.92 -0.56 -2.29	14.97 -0.40 -3.18	17.52 -0.61 -3.59	19.97 -0.76 -3.01	19.96 -0.75 -2.92	17.17 -0.66 -2.40	16.00 -0.60 -1.17	10.03 0.06 -2.03
COFFEEN___115KV_TB3 355620	8.71 -0.17 -0.60	8.96 -0.15 -0.53	8.40 -0.14 -0.50	8.36 -0.14 -0.50	8.37 -0.13 -0.53	8.97 -0.08 -0.57	8.88 -0.06 -0.96	15.80 -0.23 -0.74	15.46 -0.42 -0.49	15.22 -0.51 -0.28	13.99 -0.45 -0.33	12.17 -0.41 -0.39	12.21 -0.44 -0.46	12.23 -0.43 -0.47	12.21 -0.45 -0.47	12.28 -0.45 -0.55	12.53 -0.39 -0.72	12.92 -0.28 -1.01	15.44 -0.23 -1.13	18.68 0.00 -0.95	18.80 0.09 -0.93	16.30 0.11 -0.76	15.86 0.06 -0.37	8.63 0.04 -0.64
COLDSPRG_115KV_BK1 355956	10.74 0.42 -2.05	10.86 0.48 -1.80	10.23 0.47 -1.72	10.14 0.44 -1.70	10.17 0.39 -1.82	10.86 0.46 -1.93	11.60 0.34 -3.28	18.05 0.24 -2.51	17.23 0.17 -1.67	16.47 0.08 -0.94	15.33 0.08 -1.13	13.53 0.00 -1.34	13.81 0.04 -1.58	13.77 -0.01 -1.59	13.70 -0.09 -1.59	13.91 -0.15 -1.88	14.58 -0.09 -2.47	15.73 0.11 -3.43	18.42 0.01 -3.87	21.03 0.05 -3.25	21.01 0.07 -3.15	18.04 0.02 -2.59	16.72 0.03 -1.26	10.48 0.34 -2.19
COLONIE_LFGE___ 323577	22.56 0.29 -14.00	21.21 0.30 -12.33	20.13 0.28 -11.81	19.97 0.28 -11.69	20.71 0.28 -12.46	22.03 0.32 -13.23	30.75 0.30 -22.48	33.02 0.50 -17.23	27.13 0.58 -11.16	22.22 0.51 -6.25	22.03 0.51 -7.41	21.68 0.40 -9.09	22.87 0.41 -10.27	23.14 0.41 -10.53	23.11 0.41 -10.50	25.11 0.41 -12.52	29.02 0.45 -16.38	35.49 0.46 -22.83	40.73 0.55 -25.64	40.50 0.69 -22.08	40.15 0.71 -21.66	33.79 0.60 -17.76	24.71 0.62 -8.66	23.25 0.29 -15.00
COOPERNY_115KV_TB1 80082	14.85 0.30 -6.28	14.40 0.31 -5.51	13.60 0.28 -5.28	13.51 0.28 -5.23	13.82 0.28 -5.57	14.71 0.31 -5.92	18.33 0.30 -10.05	23.59 0.60 -7.71	21.21 0.65 -5.18	19.04 0.68 -2.91	18.23 0.61 -3.51	16.85 0.52 -4.14	17.65 0.52 -4.93	17.68 0.54 -4.95	17.66 0.52 -4.95	18.51 0.51 -5.82	20.35 0.49 -7.67	23.32 0.50 -10.63	27.14 0.58 -12.02	28.48 0.76 -9.99	28.23 0.76 -9.68	24.02 0.65 -7.94	19.95 0.65 -3.87	14.99 0.33 -6.71
COPENHAGEN_WT_PWR 323753	8.73 -0.20 -0.65	8.97 -0.18 -0.57	8.41 -0.18 -0.54	8.36 -0.18 -0.54	8.37 -0.17 -0.57	8.96 -0.13 -0.61	8.91 -0.10 -1.03	15.78 -0.31 -0.79	15.43 -0.48 -0.53	15.21 -0.54 -0.29	13.99 -0.48 -0.35	12.16 -0.45 -0.42	12.25 -0.44 -0.49	12.25 -0.44 -0.50	12.23 -0.46 -0.50	12.29 -0.48 -0.59	12.55 -0.41 -0.78	12.93 -0.34 -1.08	15.45 -0.31 -1.21	18.61 -0.14 -1.02	18.73 -0.05 -1.00	16.22 -0.03 -0.82	15.75 -0.08 -0.40	8.62 -0.02 -0.69
CORNELL___ 23752	10.85 0.22 -2.36	10.88 0.23 -2.07	10.24 0.22 -1.98	10.17 0.21 -1.96	10.27 0.21 -2.09	10.95 0.25 -2.22	11.98 0.23 -3.77	18.44 0.26 -2.89	17.51 0.20 -1.93	16.70 0.17 -1.08	15.54 0.13 -1.30	13.80 0.06 -1.55	14.08 0.07 -1.82	14.08 0.05 -1.84	14.09 0.06 -1.83	14.39 0.05 -2.16	15.14 0.10 -2.85	16.32 0.18 -3.95	19.22 0.22 -4.46	21.84 0.37 -3.74	21.84 0.43 -3.64	18.75 0.34 -2.98	17.24 0.35 -1.45	10.74 0.27 -2.52
CORONA_AAV_69_KV_TB1 355595	23.53 0.70 -14.55	20.89 0.75 -11.57	18.41 0.68 -9.69	17.76 0.66 -9.10	19.24 0.68 -10.59	24.61 0.72 -15.41	31.06 0.69 -22.39	31.77 1.35 -15.13	32.83 1.46 -15.98	29.27 1.51 -12.31	27.72 1.34 -12.27	25.89 1.19 -12.50	27.63 1.17 -14.27	26.67 1.22 -13.26	27.69 1.21 -14.29	28.18 1.17 -14.83	34.18 1.11 -20.88	38.69 1.06 -25.44	45.51 1.28 -29.69	38.19 1.56 -18.91	59.14 1.53 -39.82	34.23 1.36 -17.44	27.91 1.34 -11.14	26.95 0.68 -18.31
CORTLAND_115KV_TB3 80093	10.31 0.14 -1.89	10.40 0.15 -1.66	9.78 0.14 -1.59	9.72 0.14 -1.58	9.79 0.14 -1.68	10.44 0.18 -1.79	11.16 0.15 -3.03	17.78 0.17 -2.33	17.06 0.12 -1.55	16.41 0.09 -0.87	15.24 0.08 -1.04	13.47 0.04 -1.24	13.70 0.05 -1.46	13.70 0.04 -1.48	13.70 0.04 -1.48	13.94 0.02 -1.74	14.54 0.06 -2.29	15.49 0.12 -3.18	18.26 0.13 -3.59	20.98 0.25 -3.01	21.01 0.30 -2.92	18.08 0.25 -2.40	16.85 0.25 -1.17	10.18 0.21 -2.02
COXSACKIE___GT 23611	21.40 0.30 -12.82	20.10 0.24 -11.28	19.10 0.26 -10.80	18.95 0.26 -10.69	19.63 0.26 -11.40	20.93 0.35 -12.11	28.91 0.36 -20.57	31.72 0.69 -15.74	26.37 0.65 -10.34	21.86 0.60 -5.80	21.60 0.57 -6.92	20.93 0.38 -8.36	22.24 0.40 -9.65	22.41 0.40 -9.81	22.39 0.40 -9.79	24.23 0.44 -11.61	27.86 0.43 -15.24	33.87 0.49 -21.19	39.02 0.62 -23.86	38.95 0.96 -20.26	38.62 1.05 -19.79	32.52 0.86 -16.23	24.16 0.82 -7.91	22.04 0.38 -13.70
CPV_VALLEY___CC1 323721	18.85 0.44 -10.14	17.79 0.45 -8.76	16.85 0.42 -8.39	16.72 0.42 -8.30	17.24 0.41 -8.85	18.33 0.46 -9.40	24.40 0.45 -15.97	28.38 0.87 -12.21	24.63 1.00 -8.25	21.11 1.02 -4.63	20.68 0.96 -5.60	19.59 0.83 -6.57	20.92 0.83 -7.90	20.93 0.83 -7.91	20.93 0.83 -7.91	22.25 0.80 -9.27	25.20 0.76 -12.25	29.87 0.73 -16.95	34.60 0.89 -19.18	34.71 1.12 -15.86	34.24 1.10 -15.35	28.96 0.94 -12.59	22.50 0.93 -6.14	19.05 0.46 -10.63

CPV_VALLEY___CC2 323722	18.85 0.44 -10.14	17.79 0.45 -8.76	16.85 0.42 -8.39	16.72 0.42 -8.30	17.24 0.41 -8.85	18.33 0.46 -9.40	24.40 0.45 -15.97	28.38 0.87 -12.21	24.63 1.00 -8.25	21.11 1.02 -4.63	20.68 0.96 -5.60	19.59 0.83 -6.57	20.92 0.83 -7.90	20.93 0.83 -7.91	20.93 0.83 -7.91	22.25 0.80 -9.27	25.20 0.76 -12.25	29.87 0.73 -16.95	34.60 0.89 -19.18	34.71 1.12 -15.86	34.24 1.10 -15.35	28.96 0.94 -12.59	22.50 0.93 -6.14	19.05 0.46 -10.63
CRESCENT___HYD 24018	22.56 0.29 -14.00	21.21 0.30 -12.33	20.13 0.28 -11.81	19.97 0.28 -11.69	20.71 0.28 -12.46	22.03 0.32 -13.23	30.75 0.30 -22.48	33.02 0.50 -17.23	27.13 0.58 -11.16	22.22 0.51 -6.25	22.03 0.51 -7.41	21.68 0.40 -9.09	22.87 0.41 -10.27	23.14 0.41 -10.53	23.11 0.41 -10.50	25.11 0.41 -12.52	29.02 0.45 -16.38	35.49 0.46 -22.83	40.73 0.55 -25.64	40.50 0.69 -22.08	40.15 0.71 -21.66	33.79 0.60 -17.76	24.71 0.62 -8.66	23.25 0.29 -15.00
CRICKET___VALLEY_CC1 323756	20.28 0.36 -11.64	19.26 0.39 -10.29	18.25 0.35 -9.86	18.12 0.36 -9.75	18.72 0.35 -10.40	19.92 0.40 -11.05	27.10 0.36 -18.77	30.32 0.66 -14.37	23.26 0.80 -7.08	20.16 0.80 -3.90	18.75 0.78 -3.86	19.61 0.67 -6.75	17.34 0.68 -4.47	18.74 0.68 -5.86	18.57 0.67 -5.71	20.66 0.65 -7.84	22.27 0.61 -9.47	26.81 0.59 -14.03	30.02 0.71 -14.77	35.61 0.87 -17.01	36.69 0.85 -18.06	30.98 0.74 -14.81	23.39 0.74 -7.22	20.83 0.37 -12.51
CRICKET___VALLEY_CC2 323757	20.28 0.36 -11.64	19.26 0.39 -10.29	18.25 0.35 -9.86	18.12 0.36 -9.75	18.72 0.35 -10.40	19.92 0.40 -11.05	27.10 0.36 -18.77	30.32 0.66 -14.37	23.26 0.80 -7.08	20.16 0.80 -3.90	18.75 0.78 -3.86	19.61 0.67 -6.75	17.34 0.68 -4.47	18.74 0.68 -5.86	18.57 0.67 -5.71	20.66 0.65 -7.84	22.27 0.61 -9.47	26.81 0.59 -14.03	30.02 0.71 -14.77	35.61 0.87 -17.01	36.69 0.85 -18.06	30.98 0.74 -14.81	23.39 0.74 -7.22	20.83 0.37 -12.51
CRICKET___VALLEY_CC3 323758	20.28 0.36 -11.64	19.26 0.39 -10.29	18.25 0.35 -9.86	18.12 0.36 -9.75	18.72 0.35 -10.40	19.92 0.40 -11.05	27.10 0.36 -18.77	30.32 0.66 -14.37	23.26 0.80 -7.08	20.16 0.80 -3.90	18.75 0.78 -3.86	19.61 0.67 -6.75	17.34 0.68 -4.47	18.74 0.68 -5.86	18.57 0.67 -5.71	20.66 0.65 -7.84	22.27 0.61 -9.47	26.81 0.59 -14.03	30.02 0.71 -14.77	35.61 0.87 -17.01	36.69 0.85 -18.06	30.98 0.74 -14.81	23.39 0.74 -7.22	20.83 0.37 -12.51
CRUCIBLE_METL_DRP 24180	9.46 0.00 -1.19	9.62 0.00 -1.04	9.03 -0.01 -1.00	8.97 -0.02 -0.99	9.01 -0.01 -1.05	9.60 0.01 -1.12	9.87 -0.01 -1.90	16.62 -0.12 -1.46	16.21 -0.14 -0.97	15.84 -0.15 -0.54	14.63 -0.14 -0.65	12.81 -0.16 -0.78	12.97 -0.13 -0.92	12.97 -0.13 -0.92	12.98 -0.13 -0.92	13.11 -0.16 -1.09	13.50 -0.12 -1.43	14.09 -0.09 -1.99	16.67 -0.12 -2.24	19.54 -0.07 -1.88	19.58 -0.04 -1.83	16.89 -0.05 -1.50	16.12 -0.05 -0.73	9.28 0.06 -1.27
DAHOWA___HYDRO 323763	22.91 0.35 -14.29	21.52 0.36 -12.58	20.42 0.33 -12.05	20.26 0.33 -11.93	21.02 0.33 -12.71	22.37 0.39 -13.50	31.30 0.38 -22.94	33.53 0.66 -17.59	27.53 0.71 -11.44	22.45 0.59 -6.41	22.29 0.57 -7.61	21.91 0.43 -9.29	23.19 0.44 -10.56	23.45 0.45 -10.81	23.42 0.45 -10.78	25.48 0.46 -12.83	29.55 0.55 -16.81	36.21 0.61 -23.41	41.57 0.73 -26.31	41.18 0.89 -22.57	40.84 0.96 -22.10	34.36 0.80 -18.13	25.06 0.79 -8.84	23.64 0.37 -15.31
DANC___LFGE 323619	8.87 -0.17 -0.77	9.08 -0.17 -0.67	8.53 -0.16 -0.64	8.48 -0.16 -0.64	8.50 -0.15 -0.68	9.06 -0.14 -0.72	9.08 -0.13 -1.23	15.87 -0.37 -0.94	15.53 -0.48 -0.62	15.26 -0.54 -0.35	14.07 -0.47 -0.42	12.27 -0.43 -0.50	12.36 -0.41 -0.59	12.37 -0.41 -0.59	12.36 -0.43 -0.59	12.43 -0.45 -0.70	12.71 -0.40 -0.92	13.11 -0.35 -1.28	15.63 -0.35 -1.44	18.69 -0.25 -1.21	18.82 -0.14 -1.18	16.28 -0.12 -0.97	15.74 -0.17 -0.47	8.73 -0.04 -0.82
DANSKAMMER___1 23586	19.70 0.50 -10.93	18.68 0.51 -9.59	17.70 0.47 -9.19	17.56 0.46 -9.10	18.14 0.47 -9.70	19.29 0.52 -10.30	25.98 0.50 -17.50	29.68 1.01 -13.38	25.52 1.12 -9.01	21.65 1.14 -5.06	21.28 1.06 -6.11	20.29 0.91 -7.19	21.71 0.91 -8.60	21.74 0.93 -8.62	21.73 0.91 -8.62	23.20 0.90 -10.12	26.38 0.83 -13.36	31.51 0.82 -18.50	36.45 0.99 -20.92	36.40 1.31 -17.36	35.92 1.32 -16.82	30.34 1.11 -13.79	23.24 1.08 -6.72	20.14 0.53 -11.65
DANSKAMMER___2 23589	19.70 0.50 -10.93	18.68 0.51 -9.59	17.70 0.47 -9.19	17.56 0.46 -9.10	18.14 0.47 -9.70	19.29 0.52 -10.30	25.98 0.50 -17.50	29.68 1.01 -13.38	25.52 1.12 -9.01	21.65 1.14 -5.06	21.28 1.06 -6.11	20.29 0.91 -7.19	21.71 0.91 -8.60	21.74 0.93 -8.62	21.73 0.91 -8.62	23.20 0.90 -10.12	26.38 0.83 -13.36	31.51 0.82 -18.50	36.45 0.99 -20.92	36.40 1.31 -17.36	35.92 1.32 -16.82	30.34 1.11 -13.79	23.24 1.08 -6.72	20.14 0.53 -11.65
DANSKAMMER___3 23590	19.70 0.50 -10.93	18.68 0.51 -9.59	17.70 0.47 -9.19	17.56 0.46 -9.10	18.14 0.47 -9.70	19.29 0.52 -10.30	25.98 0.50 -17.50	29.68 1.01 -13.38	25.52 1.12 -9.01	21.65 1.14 -5.06	21.28 1.06 -6.11	20.29 0.91 -7.19	21.71 0.91 -8.60	21.74 0.93 -8.62	21.73 0.91 -8.62	23.20 0.90 -10.12	26.38 0.83 -13.36	31.51 0.82 -18.50	36.45 0.99 -20.92	36.40 1.31 -17.36	35.92 1.32 -16.82	30.34 1.11 -13.79	23.24 1.08 -6.72	20.14 0.53 -11.65
DANSKAMMER___4 23591	19.70 0.50 -10.93	18.68 0.51 -9.59	17.70 0.47 -9.19	17.56 0.46 -9.10	18.14 0.47 -9.70	19.29 0.52 -10.30	25.98 0.50 -17.50	29.68 1.01 -13.38	25.52 1.12 -9.01	21.65 1.14 -5.06	21.28 1.06 -6.11	20.29 0.91 -7.19	21.71 0.91 -8.60	21.74 0.93 -8.62	21.73 0.91 -8.62	23.20 0.90 -10.12	26.38 0.83 -13.36	31.51 0.82 -18.50	36.45 0.99 -20.92	36.40 1.31 -17.36	35.92 1.32 -16.82	30.34 1.11 -13.79	23.24 1.08 -6.72	20.14 0.53 -11.65
DANSKAMMER___DIESEL 23592	19.74 0.50 -10.96	18.71 0.51 -9.62	17.73 0.47 -9.22	17.59 0.46 -9.12	18.17 0.47 -9.73	19.32 0.52 -10.33	26.03 0.50 -17.55	29.75 1.01 -13.45	25.58 1.09 -9.10	21.74 1.17 -5.11	21.35 1.04 -6.19	20.35 0.91 -7.24	21.84 0.91 -8.73	21.85 0.93 -8.73	21.84 0.91 -8.73	23.31 0.90 -10.23	26.54 0.83 -13.52	31.72 0.83 -18.70	36.70 0.99 -21.17	36.53 1.31 -17.49	35.99 1.30 -16.91	30.41 1.11 -13.87	23.27 1.08 -6.76	20.20 0.53 -11.71
DARBY___SOLAR 323810	22.94 0.35 -14.32	21.51 0.36 -12.57	20.42 0.34 -12.04	20.25 0.33 -11.92	21.01 0.33 -12.70	22.36 0.39 -13.49	31.29 0.38 -22.92	33.52 0.66 -17.57	27.54 0.71 -11.44	22.50 0.63 -6.41	22.27 0.54 -7.62	21.94 0.45 -9.29	23.20 0.43 -10.58	23.48 0.48 -10.82	23.46 0.48 -10.79	25.51 0.49 -12.84	29.57 0.56 -16.82	36.22 0.61 -23.42	41.59 0.73 -26.32	41.17 0.89 -22.56	40.81 0.94 -22.09	34.33 0.79 -18.11	25.03 0.77 -8.83	23.62 0.37 -15.30
DASHVILLE___HYD 23610	19.44 0.37 -10.79	18.43 0.38 -9.48	17.45 0.33 -9.08	17.31 0.33 -8.98	17.89 0.34 -9.58	19.03 0.38 -10.17	25.63 0.37 -17.28	29.32 0.78 -13.25	25.19 0.91 -8.89	21.53 1.08 -4.99	21.10 0.96 -6.02	20.16 0.87 -7.11	21.54 0.88 -8.47	21.52 0.83 -8.50	21.51 0.82 -8.50	22.95 0.78 -9.99	26.04 0.67 -13.18	31.09 0.65 -18.26	35.96 0.79 -20.64	35.96 1.06 -17.17	35.48 1.05 -16.65	30.03 0.94 -13.66	22.97 0.88 -6.66	19.91 0.42 -11.53

DEERFIELD_69_KV_DEERFIELD LD 355887	23.71 0.89 -14.55	21.09 0.94 -11.57	18.62 0.88 -9.69	17.94 0.84 -9.10	19.42 0.86 -10.59	24.81 0.92 -15.41	31.32 0.95 -22.39	32.20 1.77 -15.13	33.23 1.86 -15.98	30.71 1.79 -13.47	27.91 1.52 -12.27	26.02 1.33 -12.50	27.78 1.32 -14.27	26.92 1.46 -13.26	27.95 1.46 -14.29	28.42 1.41 -14.83	34.42 1.35 -20.88	38.99 1.37 -25.44	45.89 1.66 -29.69	38.67 2.04 -18.91	59.65 2.04 -39.82	34.51 1.64 -17.44	28.25 1.68 -11.14	28.18 0.84 -19.38
DELAWARE___LFGE 323621	14.29 0.27 -5.74	13.92 0.30 -5.04	13.14 0.27 -4.82	13.05 0.27 -4.77	13.33 0.27 -5.09	14.20 0.31 -5.41	17.46 0.30 -9.19	22.82 0.49 -7.04	20.56 0.49 -4.68	18.54 0.46 -2.63	17.69 0.42 -3.15	16.30 0.35 -3.76	16.96 0.35 -4.42	17.01 0.35 -4.46	16.99 0.34 -4.46	17.77 0.33 -5.26	19.45 0.34 -6.92	22.17 0.38 -9.60	25.81 0.44 -10.83	27.43 0.60 -9.10	27.25 0.62 -8.85	23.23 0.54 -7.26	19.49 0.52 -3.54	14.38 0.30 -6.13
DERFIELD_115KV_TB7 355931	8.34 0.02 -0.05	8.64 0.02 -0.04	8.10 0.02 -0.04	8.05 0.01 -0.04	8.02 0.01 -0.04	8.54 0.02 -0.05	8.06 0.01 -0.08	15.35 0.00 -0.06	15.44 0.02 -0.04	15.47 0.00 -0.02	14.14 0.00 -0.03	12.21 -0.01 -0.03	12.22 -0.01 -0.04	12.23 0.00 -0.04	12.22 -0.01 -0.04	12.21 -0.01 -0.04	12.25 0.00 -0.06	12.27 0.00 -0.08	14.63 0.00 -0.09	17.82 0.02 -0.08	17.87 0.02 -0.08	15.51 0.02 -0.06	15.48 0.02 -0.03	8.03 0.02 -0.05
DOGLEVILLE___HYD 23807	8.19 -0.09 0.00	8.50 -0.08 0.00	7.96 -0.08 0.00	7.92 -0.08 0.00	7.89 -0.08 0.00	8.41 -0.07 0.00	7.87 -0.11 0.00	15.05 -0.25 0.00	15.12 -0.26 0.00	15.17 -0.28 0.00	13.79 -0.32 0.00	11.92 -0.27 0.00	11.86 -0.33 0.00	11.86 -0.33 0.00	11.84 -0.35 0.00	11.81 -0.37 0.00	11.83 -0.37 0.00	11.84 -0.35 0.00	14.13 -0.41 0.00	17.30 -0.43 0.00	17.37 -0.41 0.00	15.23 -0.20 0.00	15.23 -0.20 0.00	7.86 -0.10 0.00
DUNKIRK___115KV_TB_200 55889	10.38 0.31 -1.79	10.52 0.37 -1.57	9.91 0.36 -1.50	9.84 0.34 -1.49	9.86 0.30 -1.59	10.50 0.34 -1.69	11.04 0.20 -2.86	17.36 -0.12 -2.20	16.65 -0.20 -1.46	15.98 -0.29 -0.82	14.90 -0.20 -0.99	13.12 -0.24 -1.17	13.37 -0.21 -1.38	13.34 -0.24 -1.39	13.28 -0.30 -1.39	13.48 -0.34 -1.64	14.06 -0.29 -2.16	15.08 -0.11 -3.00	17.66 -0.26 -3.38	20.21 -0.35 -2.84	20.20 -0.34 -2.76	17.37 -0.32 -2.26	16.26 -0.28 -1.10	10.10 0.24 -1.91
DUNKIRK___1 23563	10.38 0.31 -1.79	10.52 0.37 -1.57	9.91 0.36 -1.50	9.84 0.34 -1.49	9.86 0.30 -1.59	10.50 0.34 -1.69	11.04 0.20 -2.86	17.36 -0.12 -2.20	16.65 -0.20 -1.46	15.98 -0.29 -0.82	14.90 -0.20 -0.99	13.12 -0.24 -1.17	13.37 -0.21 -1.38	13.34 -0.24 -1.39	13.28 -0.30 -1.39	13.48 -0.34 -1.64	14.06 -0.29 -2.16	15.08 -0.11 -3.00	17.66 -0.26 -3.38	20.21 -0.35 -2.84	20.20 -0.34 -2.76	17.37 -0.32 -2.26	16.26 -0.28 -1.10	10.10 0.24 -1.91
DUNKIRK___2 23564	10.38 0.31 -1.79	10.52 0.37 -1.57	9.91 0.36 -1.50	9.84 0.34 -1.49	9.86 0.30 -1.59	10.50 0.34 -1.69	11.04 0.20 -2.86	17.36 -0.12 -2.20	16.65 -0.20 -1.46	15.98 -0.29 -0.82	14.90 -0.20 -0.99	13.12 -0.24 -1.17	13.37 -0.21 -1.38	13.34 -0.24 -1.39	13.28 -0.30 -1.39	13.48 -0.34 -1.64	14.06 -0.29 -2.16	15.08 -0.11 -3.00	17.66 -0.26 -3.38	20.21 -0.35 -2.84	20.20 -0.34 -2.76	17.37 -0.32 -2.26	16.26 -0.28 -1.10	10.10 0.24 -1.91
DUNKIRK___3 23565	10.33 0.26 -1.79	10.47 0.32 -1.57	9.87 0.32 -1.50	9.79 0.30 -1.49	9.81 0.26 -1.59	10.45 0.29 -1.69	10.99 0.15 -2.86	17.29 -0.20 -2.19	16.57 -0.28 -1.46	15.89 -0.39 -0.82	14.83 -0.27 -0.99	13.06 -0.30 -1.17	13.30 -0.27 -1.38	13.28 -0.30 -1.39	13.23 -0.35 -1.39	13.42 -0.40 -1.64	14.01 -0.34 -2.16	15.02 -0.17 -3.00	17.59 -0.33 -3.38	20.12 -0.44 -2.84	20.09 -0.44 -2.76	17.29 -0.40 -2.26	16.20 -0.34 -1.10	10.06 0.20 -1.91
DUNKIRK___4 23566	10.33 0.26 -1.79	10.47 0.32 -1.57	9.87 0.32 -1.50	9.79 0.30 -1.49	9.81 0.26 -1.59	10.45 0.29 -1.69	10.99 0.15 -2.86	17.29 -0.20 -2.19	16.57 -0.28 -1.46	15.89 -0.39 -0.82	14.83 -0.27 -0.99	13.06 -0.30 -1.17	13.30 -0.27 -1.38	13.28 -0.30 -1.39	13.23 -0.35 -1.39	13.42 -0.40 -1.64	14.01 -0.34 -2.16	15.02 -0.17 -3.00	17.59 -0.33 -3.38	20.12 -0.44 -2.84	20.09 -0.44 -2.76	17.29 -0.40 -2.26	16.20 -0.34 -1.10	10.06 0.20 -1.91
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	19.72 0.51 -10.93	18.72 0.55 -9.59	17.73 0.50 -9.19	17.59 0.49 -9.09	18.16 0.49 -9.70	19.31 0.53 -10.30	26.00 0.53 -17.50	29.74 1.04 -13.41	25.67 1.20 -9.08	21.81 1.25 -5.10	21.44 1.14 -6.18	20.43 1.01 -7.23	21.93 1.01 -8.72	21.93 1.02 -8.72	21.93 1.02 -8.72	23.38 0.99 -10.21	26.61 0.93 -13.50	31.76 0.90 -18.67	36.75 1.08 -21.13	36.48 1.31 -17.44	35.94 1.30 -16.86	30.37 1.11 -13.82	23.24 1.06 -6.74	20.16 0.53 -11.68
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.25 0.47 -10.50	18.28 0.48 -9.22	17.32 0.44 -8.83	17.18 0.43 -8.74	17.73 0.44 -9.32	18.86 0.48 -9.90	25.27 0.48 -16.82	29.13 0.95 -12.89	25.14 1.05 -8.71	21.46 1.11 -4.89	21.02 0.99 -5.92	20.01 0.88 -6.94	21.42 0.88 -8.35	21.42 0.88 -8.35	21.42 0.88 -8.35	22.82 0.85 -9.79	25.92 0.79 -12.94	30.87 0.78 -17.90	35.74 0.95 -20.26	35.70 1.22 -16.75	35.21 1.23 -16.20	29.77 1.05 -13.29	22.91 1.00 -6.48	19.68 0.50 -11.22
E179THST_138_KV_TB4_REV_LBMP_J 345001	19.74 0.54 -10.92	18.73 0.56 -9.59	17.75 0.51 -9.19	17.59 0.50 -9.09	18.17 0.50 -9.70	19.29 0.52 -10.30	25.97 0.49 -17.49	29.69 0.99 -13.41	25.67 1.20 -9.08	21.85 1.30 -5.10	21.48 1.19 -6.18	20.48 1.06 -7.22	21.97 1.06 -8.72	21.98 1.07 -8.72	21.97 1.06 -8.72	23.41 1.02 -10.21	26.62 0.94 -13.50	31.74 0.89 -18.66	36.76 1.09 -21.13	36.46 1.29 -17.43	35.88 1.24 -16.85	30.32 1.06 -13.82	23.20 1.03 -6.74	20.19 0.56 -11.67
E179THST_13_KV_LOAD 356214	19.77 0.57 -10.92	18.76 0.59 -9.59	17.77 0.54 -9.19	17.62 0.52 -9.09	18.19 0.53 -9.70	19.32 0.55 -10.30	26.00 0.53 -17.49	29.75 1.06 -13.41	25.74 1.28 -9.08	21.93 1.38 -5.10	21.55 1.26 -6.18	20.54 1.12 -7.22	22.02 1.11 -8.72	22.03 1.12 -8.72	22.02 1.11 -8.72	23.46 1.07 -10.21	26.69 1.00 -13.50	31.79 0.94 -18.66	36.83 1.16 -21.13	36.54 1.38 -17.43	35.97 1.33 -16.85	30.40 1.14 -13.82	23.27 1.10 -6.74	20.22 0.60 -11.67
EAST HAMPTON___GT 23717	23.88 0.98 -14.62	21.38 1.04 -11.76	18.89 0.97 -9.87	18.21 0.93 -9.28	19.71 0.96 -10.79	25.11 1.02 -15.62	31.76 1.04 -22.74	32.64 1.97 -15.38	33.58 2.06 -16.14	31.93 1.93 -14.55	28.39 1.90 -12.37	26.26 1.44 -12.63	28.21 1.61 -14.41	27.18 1.58 -13.41	28.22 1.60 -14.44	28.73 1.55 -15.00	34.78 1.49 -21.10	39.46 1.51 -25.75	46.42 1.83 -30.04	39.20 2.25 -19.22	60.17 2.26 -40.13	34.92 1.79 -17.70	28.53 1.84 -11.26	29.39 0.93 -20.51
EAST RIVER___6 23660	19.80 0.53 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.27	18.38 0.52 -9.89	19.52 0.54 -10.50	26.37 0.55 -17.84	30.06 1.12 -13.66	25.96 1.34 -9.24	22.05 1.41 -5.19	21.75 1.36 -6.28	20.73 1.18 -7.35	22.23 1.18 -8.86	22.23 1.18 -8.86	22.22 1.17 -8.86	23.68 1.12 -10.38	26.95 1.04 -13.72	32.15 0.98 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.31 1.37 -17.16	30.68 1.17 -14.08	23.41 1.11 -6.86	20.39 0.55 -11.89

EAST RIVER___7 23524	19.80 0.53 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.27	18.38 0.52 -9.89	19.52 0.54 -10.50	26.37 0.55 -17.84	30.06 1.12 -13.66	25.96 1.34 -9.24	22.05 1.41 -5.19	21.75 1.36 -6.28	20.73 1.18 -7.35	22.23 1.18 -8.86	22.23 1.18 -8.86	22.22 1.17 -8.86	23.68 1.12 -10.38	26.95 1.04 -13.72	32.15 0.98 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.31 1.37 -17.16	30.68 1.17 -14.08	23.41 1.11 -6.86	20.39 0.55 -11.89
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	19.68 0.50 -10.90	18.68 0.53 -9.57	17.70 0.49 -9.17	17.56 0.48 -9.07	18.13 0.49 -9.67	19.27 0.52 -10.27	25.94 0.51 -17.46	29.68 1.01 -13.38	25.62 1.17 -9.06	21.76 1.22 -5.09	21.38 1.10 -6.17	20.39 0.99 -7.21	21.87 0.98 -8.70	21.89 1.00 -8.70	21.87 0.99 -8.70	23.33 0.96 -10.19	26.56 0.90 -13.47	31.69 0.88 -18.62	36.67 1.05 -21.08	36.40 1.28 -17.40	35.86 1.26 -16.82	30.30 1.08 -13.79	23.19 1.03 -6.72	20.12 0.52 -11.65
EAST_HAMPTON___DIESEL 23722	23.88 0.98 -14.62	21.38 1.04 -11.76	18.89 0.97 -9.87	18.21 0.93 -9.28	19.71 0.96 -10.79	25.11 1.02 -15.62	31.76 1.04 -22.74	32.64 1.97 -15.38	33.60 2.08 -16.14	31.93 1.93 -14.55	28.39 1.90 -12.37	26.26 1.44 -12.63	28.21 1.61 -14.41	27.18 1.58 -13.41	28.22 1.60 -14.44	28.73 1.55 -15.00	34.78 1.49 -21.10	39.46 1.51 -25.75	46.42 1.83 -30.04	39.20 2.25 -19.22	60.17 2.26 -40.13	34.92 1.79 -17.70	28.53 1.84 -11.26	29.39 0.93 -20.51
EAST_PULASKI___ESR 323781	9.01 -0.15 -0.88	9.21 -0.15 -0.77	8.65 -0.14 -0.74	8.60 -0.14 -0.73	8.61 -0.14 -0.78	9.19 -0.12 -0.83	9.24 -0.14 -1.41	15.97 -0.40 -1.08	15.64 -0.46 -0.72	15.36 -0.49 -0.40	14.16 -0.44 -0.48	12.39 -0.38 -0.58	12.48 -0.39 -0.68	12.50 -0.38 -0.69	12.49 -0.39 -0.68	12.57 -0.41 -0.81	12.88 -0.38 -1.06	13.35 -0.32 -1.48	15.83 -0.38 -1.66	18.81 -0.32 -1.40	18.91 -0.23 -1.36	16.33 -0.22 -1.11	15.74 -0.23 -0.54	8.84 -0.06 -0.94
EAST_RIVER___1 323558	19.81 0.54 -11.00	18.94 0.57 -9.78	17.94 0.53 -9.37	17.80 0.52 -9.27	18.38 0.53 -9.89	19.54 0.56 -10.50	26.37 0.55 -17.84	30.06 1.12 -13.66	25.95 1.32 -9.24	22.02 1.37 -5.19	21.71 1.31 -6.28	20.68 1.13 -7.35	22.20 1.15 -8.86	22.20 1.15 -8.86	22.18 1.13 -8.86	23.66 1.10 -10.38	26.92 1.01 -13.72	32.12 0.95 -18.98	37.19 1.16 -21.48	36.87 1.40 -17.75	36.30 1.35 -17.16	30.68 1.17 -14.08	23.42 1.13 -6.86	20.41 0.56 -11.89
EAST_RIVER___2 323559	19.80 0.53 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.27	18.38 0.52 -9.89	19.52 0.54 -10.50	26.37 0.55 -17.84	30.06 1.12 -13.66	25.96 1.34 -9.24	22.05 1.41 -5.19	21.75 1.36 -6.28	20.73 1.18 -7.35	22.23 1.18 -8.86	22.23 1.18 -8.86	22.22 1.17 -8.86	23.68 1.12 -10.38	26.95 1.04 -13.72	32.15 0.98 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.31 1.37 -17.16	30.68 1.17 -14.08	23.41 1.11 -6.86	20.39 0.55 -11.89
EAST___DELAWARE_HYD 23607	17.80 0.58 -8.94	16.94 0.55 -7.81	16.03 0.51 -7.48	15.91 0.50 -7.41	16.39 0.53 -7.90	17.47 0.61 -8.39	22.80 0.57 -14.25	27.12 1.15 -10.68	23.71 1.17 -7.16	20.80 1.33 -4.02	20.03 1.07 -4.84	18.90 0.99 -5.73	19.91 0.91 -6.80	19.95 0.93 -6.84	19.94 0.91 -6.83	21.12 0.90 -8.04	23.60 0.80 -10.60	27.71 0.83 -14.69	32.15 1.02 -16.59	33.04 1.47 -13.84	32.70 1.49 -13.43	27.83 1.39 -11.01	22.14 1.34 -5.37	17.93 0.68 -9.30
EIGHT_POINT___WT_PWR 323820	10.74 0.36 -2.10	10.82 0.39 -1.84	10.20 0.39 -1.77	10.11 0.36 -1.75	10.18 0.35 -1.86	10.85 0.40 -1.98	11.64 0.30 -3.36	18.13 0.23 -2.61	17.24 0.12 -1.73	16.55 0.12 -0.97	15.29 0.01 -1.16	13.60 0.01 -1.39	13.81 -0.01 -1.63	13.81 -0.02 -1.65	13.81 -0.02 -1.64	14.07 -0.05 -1.94	14.76 0.01 -2.56	15.77 0.04 -3.54	18.64 0.10 -4.00	21.28 0.18 -3.37	21.29 0.23 -3.28	18.29 0.17 -2.69	16.94 0.20 -1.31	10.59 0.37 -2.27
ELBRIDGE_115KV_TB2 80188	9.50 -0.02 -1.25	9.65 -0.03 -1.10	9.07 -0.02 -1.05	9.01 -0.03 -1.04	9.05 -0.02 -1.11	9.64 -0.01 -1.18	9.96 -0.02 -2.00	16.67 -0.15 -1.53	16.24 -0.17 -1.02	15.81 -0.22 -0.57	14.60 -0.20 -0.69	12.81 -0.20 -0.82	12.97 -0.18 -0.96	12.99 -0.17 -0.97	12.99 -0.17 -0.97	13.14 -0.18 -1.15	13.55 -0.15 -1.51	14.17 -0.11 -2.09	16.74 -0.16 -2.36	19.58 -0.12 -1.98	19.62 -0.09 -1.93	16.90 -0.11 -1.58	16.09 -0.11 -0.77	9.32 0.03 -1.33
ELEC_TRO_TEK 24086	23.49 0.66 -14.55	20.84 0.70 -11.57	18.37 0.64 -9.69	17.72 0.62 -9.10	19.20 0.64 -10.59	24.57 0.68 -15.41	31.04 0.67 -22.39	31.72 1.30 -15.13	32.79 1.43 -15.98	29.66 1.45 -12.75	27.67 1.28 -12.27	25.84 1.15 -12.50	27.60 1.13 -14.27	26.66 1.21 -13.26	27.68 1.19 -14.29	28.17 1.16 -14.83	34.15 1.08 -20.88	38.68 1.05 -25.44	45.50 1.27 -29.69	38.18 1.54 -18.91	59.12 1.51 -39.82	34.14 1.27 -17.44	27.83 1.27 -11.14	27.32 0.64 -18.72
ELLENBURG_WT_PWR 323604	8.29 0.01 0.00	8.55 -0.03 0.00	8.00 -0.04 0.00	7.95 -0.06 0.00	7.86 -0.11 0.00	8.30 -0.18 0.00	7.87 -0.11 0.00	15.25 -0.05 0.00	15.17 -0.22 0.00	15.20 -0.25 0.00	13.87 -0.24 0.00	11.90 -0.29 0.00	11.92 -0.27 0.00	11.85 -0.34 0.00	11.84 -0.35 0.00	11.85 -0.33 0.00	11.81 -0.38 0.00	11.84 -0.35 0.00	14.16 -0.38 0.00	17.20 -0.53 0.00	17.09 -0.69 0.00	14.71 -0.73 0.00	14.65 -0.79 0.00	7.50 -0.45 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	10.12 0.12 -1.73	10.26 0.16 -1.52	9.67 0.18 -1.45	9.60 0.16 -1.44	9.63 0.13 -1.53	10.25 0.14 -1.63	10.73 -0.02 -2.77	16.88 -0.54 -2.12	16.18 -0.62 -1.41	15.53 -0.71 -0.79	14.53 -0.54 -0.95	12.80 -0.52 -1.13	13.04 -0.49 -1.34	13.03 -0.51 -1.35	12.98 -0.56 -1.35	13.17 -0.60 -1.59	13.73 -0.55 -2.09	14.70 -0.39 -2.90	17.18 -0.63 -3.27	19.67 -0.80 -2.74	19.66 -0.78 -2.66	16.94 -0.68 -2.19	15.90 -0.60 -1.07	9.89 0.09 -1.85
EMPIRE_CC_1 323656	21.77 0.25 -13.24	20.51 0.26 -11.67	19.46 0.24 -11.18	19.31 0.24 -11.06	20.00 0.24 -11.80	21.28 0.28 -12.53	29.50 0.23 -21.29	31.98 0.38 -16.31	26.35 0.48 -10.49	21.76 0.43 -5.87	21.51 0.47 -6.93	21.15 0.38 -8.58	22.13 0.37 -9.57	22.41 0.35 -9.86	22.38 0.35 -9.83	24.29 0.35 -11.76	27.91 0.37 -15.36	33.98 0.35 -21.43	38.99 0.42 -24.03	39.11 0.53 -20.85	38.81 0.53 -20.50	32.71 0.46 -16.81	24.12 0.49 -8.20	22.41 0.25 -14.20
EMPIRE_CC_2 323658	21.77 0.25 -13.24	20.51 0.26 -11.67	19.46 0.24 -11.18	19.31 0.24 -11.06	20.00 0.24 -11.80	21.28 0.28 -12.53	29.50 0.23 -21.29	31.98 0.38 -16.31	26.35 0.48 -10.49	21.76 0.43 -5.87	21.51 0.47 -6.93	21.15 0.38 -8.58	22.13 0.37 -9.57	22.41 0.35 -9.86	22.38 0.35 -9.83	24.29 0.35 -11.76	27.91 0.37 -15.36	33.98 0.35 -21.43	38.99 0.42 -24.03	39.11 0.53 -20.85	38.81 0.53 -20.50	32.71 0.46 -16.81	24.12 0.49 -8.20	22.41 0.25 -14.20
ENORWICH_115KV_TB1 80156	12.40 0.55 -3.57	12.34 0.62 -3.14	11.62 0.57 -3.01	11.55 0.57 -2.98	11.71 0.57 -3.17	12.55 0.70 -3.37	14.35 0.65 -5.72	21.25 1.57 -4.39	19.67 1.35 -2.93	18.32 1.22 -1.65	17.27 1.17 -1.98	15.42 0.88 -2.35	15.83 0.85 -2.78	15.78 0.79 -2.80	15.67 0.68 -2.80	16.19 0.72 -3.30	17.34 0.80 -4.34	19.17 0.96 -6.02	22.56 1.22 -6.80	25.30 1.90 -5.68	25.29 1.99 -5.51	21.81 1.85 -4.52	19.47 1.84 -2.20	12.74 0.97 -3.82

ERIE_ST__34_KV_TB1-2 80199	10.12 0.09 -1.75	10.25 0.14 -1.53	9.66 0.14 -1.47	9.58 0.13 -1.45	9.61 0.09 -1.55	10.22 0.10 -1.65	10.74 -0.03 -2.80	16.92 -0.52 -2.14	16.23 -0.58 -1.43	15.57 -0.68 -0.80	14.54 -0.54 -0.96	12.81 -0.52 -1.15	13.05 -0.49 -1.35	13.04 -0.51 -1.36	12.99 -0.56 -1.36	13.19 -0.60 -1.60	13.76 -0.55 -2.11	14.74 -0.38 -2.93	17.27 -0.58 -3.31	19.76 -0.74 -2.77	19.75 -0.73 -2.69	16.99 -0.65 -2.21	15.92 -0.59 -1.08	9.88 0.06 -1.87
ERIE_WT_PWR 323693	10.16 0.15 -1.74	10.30 0.20 -1.52	9.70 0.20 -1.46	9.63 0.18 -1.44	9.66 0.15 -1.54	10.28 0.17 -1.63	10.77 0.02 -2.78	17.00 -0.46 -2.16	16.25 -0.57 -1.44	15.67 -0.59 -0.81	14.49 -0.59 -0.97	12.86 -0.49 -1.16	13.08 -0.46 -1.35	13.08 -0.48 -1.37	13.03 -0.52 -1.37	13.23 -0.56 -1.61	13.81 -0.50 -2.12	14.61 -0.51 -2.93	17.30 -0.55 -3.31	19.79 -0.73 -2.79	19.81 -0.69 -2.72	17.04 -0.62 -2.23	15.98 -0.54 -1.09	9.95 0.11 -1.88
ESPRGFLD_115KV_TB1 80157	7.15 0.55 1.68	7.70 0.59 1.48	7.17 0.54 1.41	7.14 0.54 1.40	7.02 0.54 1.49	7.53 0.64 1.59	5.91 0.63 2.69	14.34 1.12 2.06	15.03 1.06 1.42	15.58 0.93 0.80	13.98 0.83 0.97	11.75 0.68 1.12	11.50 0.68 1.37	11.53 0.71 1.36	11.51 0.68 1.37	11.28 0.69 1.59	10.84 0.76 2.11	10.12 0.84 2.91	12.25 1.02 3.30	16.38 1.35 2.70	16.57 1.39 2.60	14.51 1.20 2.13	15.54 1.14 1.04	6.75 0.60 1.80
ETNA_115_KV_TB1_REV_LBMP_C 345029	10.83 0.20 -2.35	10.86 0.21 -2.07	10.22 0.20 -1.98	10.15 0.19 -1.96	10.26 0.20 -2.09	10.93 0.24 -2.22	11.96 0.22 -3.77	18.41 0.23 -2.89	17.49 0.18 -1.92	16.67 0.14 -1.08	15.51 0.10 -1.30	13.78 0.05 -1.54	14.06 0.05 -1.82	14.06 0.04 -1.83	14.07 0.05 -1.83	14.37 0.04 -2.16	15.12 0.09 -2.84	16.29 0.16 -3.94	19.20 0.20 -4.45	21.80 0.34 -3.73	21.80 0.39 -3.63	18.73 0.32 -2.98	17.21 0.32 -1.45	10.72 0.25 -2.51
ETNA____115KV_TB2 80207	10.83 0.20 -2.35	10.86 0.21 -2.07	10.22 0.20 -1.98	10.15 0.19 -1.96	10.26 0.20 -2.09	10.93 0.24 -2.22	11.96 0.22 -3.77	18.41 0.23 -2.89	17.49 0.18 -1.92	16.67 0.14 -1.08	15.51 0.10 -1.30	13.78 0.05 -1.54	14.06 0.05 -1.82	14.06 0.04 -1.83	14.07 0.05 -1.83	14.37 0.04 -2.16	15.12 0.09 -2.84	16.29 0.16 -3.94	19.20 0.20 -4.45	21.80 0.34 -3.73	21.80 0.39 -3.63	18.73 0.32 -2.98	17.21 0.32 -1.45	10.72 0.25 -2.51
EUCLID__115KV_TB2 356179	9.14 -0.11 -0.97	9.32 -0.11 -0.85	8.76 -0.10 -0.82	8.71 -0.10 -0.81	8.73 -0.10 -0.86	9.30 -0.09 -0.91	9.42 -0.11 -1.55	16.16 -0.32 -1.19	15.84 -0.34 -0.79	15.54 -0.36 -0.44	14.34 -0.31 -0.53	12.53 -0.29 -0.64	12.67 -0.27 -0.75	12.67 -0.28 -0.76	12.67 -0.28 -0.76	12.78 -0.29 -0.89	13.08 -0.28 -1.17	13.57 -0.24 -1.63	16.06 -0.32 -1.84	18.93 -0.34 -1.54	18.98 -0.30 -1.50	16.38 -0.28 -1.23	15.75 -0.28 -0.60	8.93 -0.06 -1.04
E_CANADA_CAP_HY 24051	26.25 0.68 -17.29	24.50 0.71 -15.20	23.26 0.65 -14.56	23.06 0.64 -14.42	23.99 0.65 -15.37	25.55 0.75 -16.32	36.45 0.74 -27.73	37.93 1.32 -21.32	30.66 1.28 -14.00	24.37 1.07 -7.85	24.46 0.97 -9.37	24.29 0.78 -11.32	26.07 0.82 -13.06	26.31 0.84 -13.28	26.25 0.80 -13.26	28.74 0.84 -15.72	33.75 0.93 -20.63	41.90 1.02 -28.69	48.11 1.28 -32.29	46.78 1.61 -27.44	46.25 1.67 -26.80	38.89 1.48 -21.98	27.54 1.39 -10.71	27.23 0.72 -18.56
E_CANADA_MHWK_HY 24050	8.19 -0.09 0.00	8.50 -0.08 0.00	7.96 -0.08 0.00	7.92 -0.08 0.00	7.89 -0.08 0.00	8.41 -0.07 0.00	7.87 -0.11 0.00	15.05 -0.25 0.00	15.12 -0.26 0.00	15.17 -0.28 0.00	13.79 -0.32 0.00	11.92 -0.27 0.00	11.86 -0.33 0.00	11.86 -0.33 0.00	11.84 -0.35 0.00	11.81 -0.37 0.00	11.83 -0.37 0.00	11.84 -0.35 0.00	14.13 -0.41 0.00	17.30 -0.43 0.00	17.37 -0.41 0.00	15.23 -0.20 0.00	15.23 -0.20 0.00	7.86 -0.10 0.00
E_FISHKILL__LBMP 23776	19.87 0.44 -11.15	18.84 0.47 -9.79	17.86 0.43 -9.38	17.71 0.42 -9.28	18.30 0.43 -9.90	19.45 0.47 -10.51	26.28 0.45 -17.86	29.85 0.87 -13.69	25.65 1.00 -9.27	21.71 1.05 -5.21	21.37 0.95 -6.31	20.41 0.84 -7.37	21.93 0.84 -8.90	21.94 0.85 -8.89	21.93 0.84 -8.89	23.41 0.82 -10.42	26.74 0.78 -13.77	31.99 0.76 -19.05	37.01 0.90 -21.56	36.64 1.12 -17.79	36.07 1.08 -17.20	30.48 0.94 -14.11	23.22 0.91 -6.88	20.32 0.45 -11.92
FALCON__SEABRD_CC1 323796	8.46 0.18 0.00	8.74 0.15 0.00	8.17 0.13 0.00	8.11 0.11 0.00	8.02 0.05 0.00	8.47 -0.01 0.00	8.03 0.06 0.00	15.58 0.29 0.00	15.46 0.08 0.00	15.51 0.06 0.00	14.14 0.03 0.00	12.11 -0.08 0.00	12.15 -0.04 0.00	12.07 -0.12 0.00	12.06 -0.13 0.00	12.09 -0.08 0.00	12.06 -0.13 0.00	12.08 -0.11 0.00	14.47 -0.07 0.00	17.57 -0.16 0.00	17.44 -0.34 0.00	14.94 -0.49 0.00	14.86 -0.57 0.00	7.61 -0.34 0.00
FALCON__SEABRD_CC2 323797	8.46 0.18 0.00	8.74 0.15 0.00	8.17 0.13 0.00	8.11 0.11 0.00	8.02 0.05 0.00	8.47 -0.01 0.00	8.03 0.06 0.00	15.58 0.29 0.00	15.46 0.08 0.00	15.51 0.06 0.00	14.14 0.03 0.00	12.11 -0.08 0.00	12.15 -0.04 0.00	12.07 -0.12 0.00	12.06 -0.13 0.00	12.09 -0.08 0.00	12.06 -0.13 0.00	12.08 -0.11 0.00	14.47 -0.07 0.00	17.57 -0.16 0.00	17.44 -0.34 0.00	14.94 -0.49 0.00	14.86 -0.57 0.00	7.61 -0.34 0.00
FAR ROCKAWAY__4 23548	23.59 0.76 -14.55	20.95 0.80 -11.57	18.47 0.74 -9.69	17.81 0.71 -9.10	19.30 0.73 -10.59	24.67 0.78 -15.41	31.11 0.74 -22.39	31.88 1.45 -15.13	32.92 1.55 -15.98	29.81 1.61 -12.75	27.81 1.43 -12.27	25.96 1.27 -12.50	27.71 1.24 -14.27	26.73 1.28 -13.26	27.76 1.28 -14.29	28.26 1.25 -14.83	34.28 1.21 -20.88	38.69 1.06 -25.44	45.51 1.28 -29.69	38.19 1.56 -18.91	59.15 1.55 -39.82	34.34 1.47 -17.44	28.02 1.45 -11.14	27.41 0.73 -18.72
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	19.75 0.55 -10.92	18.75 0.58 -9.59	17.76 0.53 -9.19	17.62 0.52 -9.09	18.19 0.53 -9.69	19.33 0.56 -10.30	26.02 0.55 -17.49	29.82 1.12 -13.41	25.77 1.31 -9.08	21.94 1.39 -5.10	21.56 1.27 -6.18	20.55 1.13 -7.22	22.03 1.12 -8.72	22.05 1.15 -8.71	22.04 1.13 -8.72	23.48 1.10 -10.21	26.70 1.01 -13.49	31.82 0.96 -18.66	36.83 1.16 -21.13	36.56 1.40 -17.43	35.99 1.35 -16.85	30.43 1.17 -13.82	23.31 1.14 -6.74	20.19 0.56 -11.67
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	19.75 0.55 -10.92	18.75 0.58 -9.59	17.76 0.53 -9.19	17.62 0.52 -9.09	18.19 0.53 -9.69	19.33 0.56 -10.30	26.02 0.55 -17.49	29.82 1.12 -13.41	25.77 1.31 -9.08	21.94 1.39 -5.10	21.56 1.27 -6.18	20.55 1.13 -7.22	22.03 1.12 -8.72	22.04 1.13 -8.71	22.04 1.13 -8.72	23.48 1.10 -10.21	26.70 1.01 -13.49	31.82 0.96 -18.66	36.83 1.16 -21.13	36.56 1.40 -17.43	36.00 1.37 -16.85	30.44 1.19 -13.82	23.31 1.14 -6.74	20.19 0.56 -11.67
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	19.74 0.54 -10.92	18.75 0.57 -9.59	17.75 0.52 -9.19	17.61 0.51 -9.09	18.18 0.52 -9.69	19.32 0.55 -10.30	26.02 0.55 -17.49	29.80 1.10 -13.41	25.77 1.31 -9.08	21.94 1.39 -5.10	21.55 1.26 -6.18	20.54 1.12 -7.22	22.03 1.12 -8.72	22.04 1.13 -8.71	22.03 1.12 -8.72	23.47 1.08 -10.21	26.70 1.01 -13.49	31.80 0.95 -18.66	36.82 1.15 -21.13	36.54 1.38 -17.43	35.99 1.35 -16.85	30.43 1.17 -13.82	23.30 1.13 -6.74	20.19 0.56 -11.67

FARRAGUT___LBMP 323566	19.73 0.53 -10.92	18.75 0.57 -9.59	17.75 0.52 -9.19	17.61 0.51 -9.09	18.18 0.52 -9.69	19.32 0.55 -10.30	26.01 0.54 -17.49	29.78 1.09 -13.41	25.76 1.29 -9.08	21.93 1.38 -5.10	21.54 1.24 -6.18	20.52 1.11 -7.22	22.02 1.11 -8.72	22.03 1.12 -8.71	22.02 1.11 -8.72	23.46 1.07 -10.21	26.69 1.00 -13.49	31.80 0.95 -18.66	36.80 1.13 -21.13	36.52 1.37 -17.43	35.97 1.33 -16.85	30.41 1.16 -13.82	23.28 1.11 -6.74	20.18 0.56 -11.67
FENNER___WINDPWR 24204	9.66 0.16 -1.22	9.82 0.17 -1.07	9.22 0.15 -1.03	9.17 0.15 -1.02	9.20 0.15 -1.08	9.83 0.20 -1.15	10.11 0.18 -1.96	17.02 0.24 -1.49	16.55 0.19 -0.98	16.18 0.17 -0.55	14.90 0.13 -0.66	13.09 0.11 -0.79	13.20 0.09 -0.93	13.22 0.10 -0.94	13.20 0.07 -0.94	13.37 0.09 -1.11	13.77 0.12 -1.45	14.36 0.15 -2.02	17.04 0.22 -2.28	20.04 0.39 -1.92	20.08 0.43 -1.87	17.37 0.40 -1.53	16.57 0.39 -0.75	9.48 0.23 -1.29
FIBERTEK___ENERGY 23856	9.46 0.00 -1.19	9.62 0.00 -1.04	9.03 -0.01 -1.00	8.97 -0.02 -0.99	9.01 -0.01 -1.05	9.60 0.01 -1.12	9.87 -0.01 -1.90	16.62 -0.12 -1.46	16.21 -0.14 -0.97	15.84 -0.15 -0.54	14.63 -0.14 -0.65	12.81 -0.16 -0.78	12.97 -0.13 -0.92	12.97 -0.15 -0.92	12.98 -0.13 -0.92	13.11 -0.16 -1.09	13.50 -0.12 -1.43	14.09 -0.09 -1.99	16.67 -0.12 -2.24	19.54 -0.07 -1.88	19.58 -0.04 -1.83	16.89 -0.05 -1.50	16.12 -0.05 -0.73	9.28 0.06 -1.27
FITZPATRICK____ 23598	8.87 -0.22 -0.81	9.07 -0.22 -0.71	8.52 -0.20 -0.68	8.47 -0.21 -0.67	8.48 -0.21 -0.72	9.03 -0.20 -0.76	9.05 -0.22 -1.29	15.77 -0.52 -1.00	15.51 -0.54 -0.66	15.27 -0.56 -0.37	14.05 -0.51 -0.45	12.27 -0.45 -0.53	12.38 -0.44 -0.62	12.37 -0.45 -0.63	12.38 -0.44 -0.63	12.47 -0.45 -0.74	12.74 -0.43 -0.98	13.11 -0.44 -1.36	15.58 -0.49 -1.53	18.45 -0.57 -1.29	18.49 -0.55 -1.26	15.99 -0.48 -1.03	15.46 -0.48 -0.50	8.65 -0.17 -0.87
FLOWRFLD_69_KV_BK1 356044	23.63 0.80 -14.55	21.00 0.85 -11.57	18.52 0.79 -9.69	17.86 0.76 -9.10	19.34 0.78 -10.59	24.72 0.83 -15.41	31.23 0.86 -22.39	32.06 1.64 -15.13	33.10 1.74 -15.98	30.59 1.67 -13.46	27.83 1.45 -12.27	25.97 1.28 -12.50	27.73 1.27 -14.27	26.87 1.41 -13.26	27.90 1.41 -14.29	28.36 1.35 -14.83	34.35 1.28 -20.88	38.92 1.29 -25.44	45.76 1.53 -29.69	38.51 1.88 -18.91	59.47 1.87 -39.82	34.36 1.48 -17.44	28.11 1.54 -11.14	28.11 0.78 -19.38
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	19.80 0.50 -11.02	18.77 0.51 -9.67	17.78 0.47 -9.26	17.64 0.47 -9.17	18.22 0.48 -9.78	19.39 0.53 -10.38	26.14 0.52 -17.64	29.84 1.02 -13.52	25.66 1.12 -9.15	21.78 1.19 -5.14	21.40 1.06 -6.22	20.40 0.93 -7.28	21.90 0.93 -8.78	21.91 0.94 -8.78	21.90 0.93 -8.78	23.38 0.91 -10.29	26.63 0.84 -13.60	31.84 0.84 -18.80	36.83 1.00 -21.29	36.63 1.33 -17.58	36.11 1.33 -17.00	30.51 1.14 -13.94	23.32 1.10 -6.80	20.27 0.54 -11.77
FORT ORANGE____ 23900	22.06 0.16 -13.63	20.74 0.15 -12.00	19.72 0.18 -11.50	19.55 0.17 -11.38	20.26 0.16 -12.13	21.55 0.19 -12.88	30.02 0.15 -21.89	32.32 0.26 -16.77	26.66 0.34 -10.94	21.91 0.33 -6.13	21.74 0.34 -7.29	21.34 0.27 -8.88	22.56 0.24 -10.12	22.76 0.23 -10.34	22.74 0.23 -10.32	24.69 0.24 -12.27	28.53 0.26 -16.08	34.84 0.27 -22.38	40.04 0.33 -25.16	39.69 0.42 -21.54	39.31 0.44 -21.08	33.11 0.39 -17.29	24.23 0.37 -8.43	22.73 0.17 -14.60
FORT_DRUM_COGEN 23780	8.64 -0.21 -0.57	8.90 -0.19 -0.50	8.34 -0.19 -0.48	8.30 -0.18 -0.48	8.31 -0.17 -0.51	8.89 -0.13 -0.54	8.79 -0.10 -0.92	15.70 -0.29 -0.70	15.39 -0.46 -0.47	15.16 -0.56 -0.26	13.94 -0.49 -0.32	12.12 -0.45 -0.38	12.16 -0.48 -0.44	12.19 -0.45 -0.45	12.16 -0.48 -0.45	12.23 -0.47 -0.53	12.47 -0.41 -0.69	12.83 -0.32 -0.96	15.33 -0.29 -1.08	18.51 -0.12 -0.91	18.63 -0.04 -0.88	16.16 0.00 -0.73	15.72 -0.06 -0.35	8.54 -0.02 -0.61
FPL_FAR_ROCK_GT1 24212	23.66 0.76 -14.62	21.14 0.80 -11.76	18.65 0.74 -9.87	17.99 0.71 -9.28	19.49 0.73 -10.79	24.87 0.78 -15.62	31.46 0.74 -22.74	32.12 1.45 -15.38	33.10 1.58 -16.14	30.55 1.58 -13.52	27.98 1.50 -12.37	26.09 1.27 -12.63	27.88 1.28 -14.41	26.88 1.28 -13.41	27.90 1.27 -14.44	28.42 1.24 -15.00	34.50 1.21 -21.10	39.10 1.16 -25.75	45.86 1.28 -30.04	38.51 1.56 -19.22	59.45 1.53 -40.13	34.60 1.47 -17.70	28.14 1.45 -11.26	28.25 0.73 -19.56
FPL_FAR_ROCK_GT2 23815	23.66 0.76 -14.62	21.14 0.80 -11.76	18.65 0.74 -9.87	17.99 0.71 -9.28	19.49 0.73 -10.79	24.87 0.78 -15.62	31.46 0.74 -22.74	32.12 1.45 -15.38	33.10 1.58 -16.14	30.55 1.58 -13.52	27.98 1.50 -12.37	26.09 1.27 -12.63	27.88 1.28 -14.41	26.88 1.28 -13.41	27.90 1.27 -14.44	28.42 1.24 -15.00	34.50 1.21 -21.10	39.10 1.16 -25.75	45.86 1.28 -30.04	38.51 1.56 -19.22	59.45 1.53 -40.13	34.60 1.47 -17.70	28.14 1.45 -11.26	28.25 0.73 -19.56
FRANKLIN_FALL_HYD 24054	8.26 -0.10 -0.08	8.53 -0.13 -0.07	7.99 -0.13 -0.07	7.94 -0.13 -0.07	7.88 -0.17 -0.07	8.32 -0.24 -0.08	7.95 -0.16 -0.13	15.27 -0.12 -0.10	15.16 -0.29 -0.07	15.21 -0.28 -0.04	13.85 -0.31 -0.05	11.92 -0.33 -0.05	11.91 -0.34 -0.06	11.88 -0.38 -0.06	11.87 -0.39 -0.06	11.90 -0.35 -0.08	11.90 -0.39 -0.10	11.94 -0.39 -0.14	14.35 -0.35 -0.16	17.33 -0.53 -0.13	17.25 -0.66 -0.13	14.89 -0.65 -0.11	14.77 -0.71 -0.05	7.61 -0.44 -0.09
FREEPORT_EQUS_GT1 23764	23.61 0.71 -14.62	21.09 0.76 -11.76	18.61 0.69 -9.87	17.95 0.67 -9.28	19.44 0.69 -10.79	24.83 0.74 -15.62	31.44 0.72 -22.74	32.06 1.39 -15.38	33.06 1.54 -16.14	30.90 1.50 -13.95	27.94 1.45 -12.37	26.02 1.20 -12.63	27.86 1.26 -14.41	26.85 1.26 -13.41	27.87 1.24 -14.44	28.40 1.22 -15.00	34.43 1.13 -21.10	39.04 1.10 -25.75	45.92 1.34 -30.04	38.58 1.63 -19.22	59.52 1.60 -40.13	34.46 1.33 -17.70	28.05 1.36 -11.26	28.60 0.68 -19.96
FREEPORT___CT2 23818	23.61 0.71 -14.62	21.09 0.76 -11.76	18.61 0.69 -9.87	17.95 0.67 -9.28	19.44 0.69 -10.79	24.83 0.74 -15.62	31.44 0.72 -22.74	32.06 1.39 -15.38	33.06 1.54 -16.14	30.90 1.50 -13.95	27.94 1.45 -12.37	26.02 1.20 -12.63	27.86 1.26 -14.41	26.85 1.26 -13.41	27.87 1.24 -14.44	28.40 1.22 -15.00	34.43 1.13 -21.10	39.04 1.10 -25.75	45.92 1.34 -30.04	38.58 1.63 -19.22	59.52 1.60 -40.13	34.46 1.33 -17.70	28.05 1.36 -11.26	28.60 0.68 -19.96
FRESHKLS_33_KV_LOAD 356253	19.77 0.56 -10.92	18.75 0.58 -9.59	17.76 0.53 -9.19	17.61 0.51 -9.09	18.18 0.52 -9.70	19.30 0.53 -10.30	25.98 0.51 -17.49	29.68 0.98 -13.41	25.64 1.17 -9.08	21.81 1.25 -5.10	21.44 1.14 -6.18	20.44 1.02 -7.22	21.94 1.02 -8.72	21.94 1.04 -8.72	21.93 1.02 -8.72	23.39 1.00 -10.21	26.62 0.94 -13.50	31.71 0.85 -18.66	36.78 1.11 -21.13	36.46 1.29 -17.43	35.88 1.24 -16.85	30.32 1.06 -13.82	23.27 1.10 -6.74	20.21 0.58 -11.67
FULTON COGEN____ 23766	9.10 -0.15 -0.97	9.28 -0.15 -0.86	8.72 -0.14 -0.82	8.66 -0.15 -0.81	8.69 -0.14 -0.86	9.26 -0.14 -0.92	9.39 -0.15 -1.56	16.09 -0.40 -1.20	15.76 -0.42 -0.80	15.45 -0.45 -0.45	14.26 -0.40 -0.54	12.46 -0.37 -0.64	12.58 -0.37 -0.75	12.57 -0.38 -0.76	12.58 -0.37 -0.76	12.70 -0.38 -0.89	13.04 -0.33 -1.18	13.53 -0.29 -1.63	16.01 -0.38 -1.84	18.90 -0.37 -1.55	18.95 -0.34 -1.50	16.36 -0.31 -1.23	15.72 -0.31 -0.60	8.91 -0.08 -1.04

FULTON___LFGE 323630	25.43 0.86 -16.29	23.81 0.90 -14.33	22.59 0.82 -13.73	22.39 0.80 -13.59	23.29 0.84 -14.49	24.83 0.97 -15.38	34.95 0.84 -26.14	36.82 1.45 -20.08	29.93 1.39 -13.17	24.12 1.28 -7.38	23.93 1.02 -8.80	23.75 0.90 -10.65	25.32 0.87 -12.26	25.56 0.89 -12.48	25.51 0.87 -12.45	27.87 0.91 -14.78	32.65 1.07 -19.39	40.40 1.24 -26.96	46.44 1.56 -30.35	45.51 1.95 -25.83	45.04 2.03 -25.23	38.10 1.98 -20.69	27.34 1.82 -10.09	26.35 0.92 -17.48
G.F.CEMENT___DRP 24184	23.07 0.36 -14.44	21.63 0.37 -12.68	20.53 0.34 -12.14	20.35 0.33 -12.02	21.13 0.34 -12.82	22.50 0.42 -13.61	31.52 0.41 -23.12	33.75 0.73 -17.72	27.76 0.80 -11.57	22.62 0.68 -6.49	22.39 0.56 -7.72	22.05 0.48 -9.39	23.34 0.43 -10.73	23.64 0.50 -10.95	23.60 0.49 -10.92	25.67 0.51 -12.98	29.82 0.61 -17.02	36.57 0.69 -23.69	41.99 0.81 -26.64	41.49 0.99 -22.77	41.13 1.07 -22.28	34.58 0.88 -18.27	25.16 0.82 -8.91	23.78 0.40 -15.43
GARDENVILLE___LBMP 24039	10.15 0.13 -1.74	10.28 0.17 -1.53	9.69 0.19 -1.46	9.62 0.17 -1.45	9.65 0.14 -1.55	10.27 0.15 -1.64	10.77 0.00 -2.79	16.92 -0.50 -2.14	16.24 -0.57 -1.42	15.59 -0.66 -0.80	14.57 -0.51 -0.96	12.82 -0.51 -1.14	13.06 -0.48 -1.35	13.05 -0.50 -1.36	13.00 -0.55 -1.36	13.19 -0.58 -1.60	13.77 -0.52 -2.11	14.74 -0.37 -2.92	17.25 -0.58 -3.29	19.73 -0.76 -2.76	19.72 -0.75 -2.69	16.99 -0.65 -2.20	15.94 -0.57 -1.07	9.91 0.10 -1.86
GARDNVLA_35_KV_LD 355827	10.17 0.15 -1.74	10.31 0.20 -1.53	9.72 0.21 -1.46	9.64 0.19 -1.45	9.67 0.15 -1.55	10.30 0.18 -1.64	10.80 0.03 -2.79	16.98 -0.44 -2.14	16.30 -0.51 -1.42	15.65 -0.60 -0.80	14.62 -0.45 -0.96	12.87 -0.46 -1.14	13.11 -0.43 -1.35	13.10 -0.45 -1.36	13.05 -0.50 -1.36	13.24 -0.54 -1.60	13.82 -0.48 -2.11	14.79 -0.32 -2.92	17.31 -0.52 -3.29	19.80 -0.69 -2.76	19.79 -0.68 -2.69	17.05 -0.59 -2.20	15.98 -0.52 -1.07	9.93 0.12 -1.86
GELCKHM___115KV_LOAD 80723	9.28 -0.06 -1.06	9.45 -0.06 -0.93	8.88 -0.06 -0.89	8.82 -0.06 -0.89	8.85 -0.06 -0.94	9.43 -0.05 -1.00	9.62 -0.06 -1.70	16.37 -0.23 -1.31	16.01 -0.25 -0.87	15.68 -0.26 -0.49	14.47 -0.23 -0.59	12.67 -0.22 -0.70	12.80 -0.21 -0.82	12.81 -0.21 -0.83	12.81 -0.21 -0.83	12.94 -0.22 -0.98	13.28 -0.20 -1.28	13.81 -0.16 -1.78	16.33 -0.22 -2.01	19.20 -0.21 -1.69	19.24 -0.18 -1.64	16.61 -0.17 -1.35	15.92 -0.17 -0.66	9.08 -0.01 -1.14
GENERAL___MILLS 23808	10.16 0.14 -1.74	10.30 0.19 -1.53	9.71 0.20 -1.46	9.63 0.18 -1.45	9.66 0.14 -1.55	10.28 0.16 -1.64	10.78 0.02 -2.79	16.95 -0.47 -2.14	16.25 -0.55 -1.42	15.60 -0.65 -0.80	14.58 -0.49 -0.96	12.85 -0.49 -1.14	13.09 -0.45 -1.35	13.07 -0.48 -1.36	13.02 -0.52 -1.36	13.22 -0.56 -1.60	13.78 -0.51 -2.11	14.76 -0.35 -2.92	17.27 -0.57 -3.29	19.76 -0.73 -2.76	19.75 -0.71 -2.69	17.02 -0.62 -2.20	15.95 -0.56 -1.07	9.92 0.10 -1.86
GE_PLASTICS___DRP 24183	22.05 0.19 -13.58	20.70 0.20 -11.92	19.67 0.20 -11.42	19.51 0.20 -11.31	20.21 0.19 -12.05	21.49 0.21 -12.80	29.90 0.18 -21.75	32.28 0.32 -16.67	26.65 0.38 -10.88	21.95 0.40 -6.10	21.72 0.35 -7.26	21.34 0.32 -8.83	22.57 0.29 -10.09	22.78 0.29 -10.30	22.76 0.29 -10.27	24.68 0.29 -12.21	28.50 0.30 -16.01	34.79 0.32 -22.28	39.95 0.36 -25.05	39.60 0.46 -21.42	39.20 0.46 -20.95	33.02 0.40 -17.19	24.23 0.42 -8.38	22.67 0.20 -14.51
GILBOA___1 23756	19.05 0.25 -10.53	18.11 0.27 -9.27	17.17 0.25 -8.88	17.04 0.25 -8.79	17.58 0.25 -9.37	18.69 0.26 -9.95	25.12 0.24 -16.90	28.68 0.43 -12.96	24.45 0.49 -8.58	20.74 0.48 -4.81	20.34 0.47 -5.76	19.49 0.39 -6.91	20.64 0.39 -8.06	20.74 0.39 -8.16	20.72 0.38 -8.15	22.19 0.38 -9.63	25.22 0.37 -12.67	30.14 0.37 -17.59	34.79 0.42 -19.83	34.96 0.51 -16.72	34.60 0.53 -16.29	29.27 0.48 -13.36	22.44 0.49 -6.51	19.49 0.25 -11.28
GILBOA___2 23757	19.05 0.25 -10.53	18.11 0.27 -9.27	17.17 0.25 -8.88	17.04 0.25 -8.79	17.58 0.25 -9.37	18.69 0.26 -9.95	25.12 0.24 -16.90	28.68 0.43 -12.96	24.45 0.49 -8.58	20.74 0.48 -4.81	20.34 0.47 -5.76	19.49 0.39 -6.91	20.64 0.39 -8.06	20.74 0.39 -8.16	20.72 0.38 -8.15	22.19 0.38 -9.63	25.22 0.37 -12.67	30.14 0.37 -17.59	34.79 0.42 -19.83	34.96 0.51 -16.72	34.60 0.53 -16.29	29.27 0.48 -13.36	22.44 0.49 -6.51	19.49 0.25 -11.28
GILBOA___3 23758	19.05 0.25 -10.53	18.11 0.27 -9.27	17.17 0.25 -8.88	17.04 0.25 -8.79	17.58 0.25 -9.37	18.69 0.26 -9.95	25.12 0.24 -16.90	28.68 0.43 -12.96	24.45 0.49 -8.58	20.74 0.48 -4.81	20.34 0.47 -5.76	19.49 0.39 -6.91	20.64 0.39 -8.06	20.74 0.39 -8.16	20.72 0.38 -8.15	22.19 0.38 -9.63	25.22 0.37 -12.67	30.14 0.37 -17.59	34.79 0.42 -19.83	34.96 0.51 -16.72	34.60 0.53 -16.29	29.27 0.48 -13.36	22.44 0.49 -6.51	19.49 0.25 -11.28
GILBOA___4 23759	19.05 0.25 -10.53	18.11 0.27 -9.27	17.17 0.25 -8.88	17.04 0.25 -8.79	17.58 0.25 -9.37	18.69 0.26 -9.95	25.12 0.24 -16.90	28.68 0.43 -12.96	24.45 0.49 -8.58	20.74 0.48 -4.81	20.34 0.47 -5.76	19.49 0.39 -6.91	20.64 0.39 -8.06	20.74 0.39 -8.16	20.72 0.38 -8.15	22.19 0.38 -9.63	25.22 0.37 -12.67	30.14 0.37 -17.59	34.79 0.42 -19.83	34.96 0.51 -16.72	34.60 0.53 -16.29	29.27 0.48 -13.36	22.44 0.49 -6.51	19.49 0.25 -11.28
GILBOA___ 23599	19.00 0.25 -10.47	18.04 0.27 -9.20	17.10 0.25 -8.81	16.97 0.25 -8.72	17.51 0.25 -9.30	18.61 0.26 -9.87	24.99 0.24 -16.77	28.58 0.43 -12.86	24.40 0.49 -8.52	20.73 0.49 -4.78	20.28 0.44 -5.73	19.44 0.39 -6.86	20.59 0.38 -8.02	20.69 0.39 -8.11	20.67 0.38 -8.10	22.12 0.38 -9.57	25.14 0.37 -12.59	30.04 0.38 -17.47	34.66 0.42 -19.70	34.84 0.51 -16.60	34.47 0.53 -16.16	29.16 0.48 -13.25	22.39 0.49 -6.46	19.40 0.25 -11.19
GINNA___ 23603	9.29 -0.29 -1.30	9.42 -0.30 -1.14	8.86 -0.27 -1.09	8.81 -0.27 -1.08	8.84 -0.28 -1.15	9.44 -0.26 -1.22	9.73 -0.32 -2.08	16.05 -0.86 -1.61	15.53 -0.92 -1.07	15.11 -0.94 -0.60	13.96 -0.88 -0.72	12.30 -0.74 -0.86	12.46 -0.73 -1.00	12.46 -0.74 -1.01	12.45 -0.76 -1.01	12.60 -0.78 -1.20	13.03 -0.73 -1.57	13.62 -0.76 -2.19	16.16 -0.84 -2.47	18.76 -1.05 -2.08	18.79 -1.01 -2.03	16.20 -0.90 -1.66	15.36 -0.88 -0.81	9.10 -0.25 -1.40
GLEN PARK___ 23778	8.72 -0.18 -0.62	8.96 -0.16 -0.55	8.41 -0.16 -0.52	8.36 -0.16 -0.52	8.37 -0.15 -0.55	8.96 -0.10 -0.59	8.90 -0.07 -0.99	15.79 -0.26 -0.76	15.44 -0.45 -0.51	15.21 -0.53 -0.28	13.99 -0.47 -0.34	12.16 -0.44 -0.41	12.23 -0.44 -0.47	12.23 -0.44 -0.48	12.19 -0.48 -0.48	12.27 -0.48 -0.57	12.52 -0.41 -0.75	12.91 -0.32 -1.04	15.45 -0.26 -1.17	18.66 -0.05 -0.98	18.79 0.05 -0.96	16.28 0.06 -0.79	15.83 0.02 -0.38	8.63 0.02 -0.66
GLENDALE_27_KV_LOAD 356172	19.77 0.56 -10.92	18.77 0.60 -9.59	17.78 0.55 -9.19	17.62 0.53 -9.09	18.20 0.53 -9.70	19.34 0.57 -10.30	26.03 0.56 -17.49	29.83 1.13 -13.41	25.81 1.34 -9.08	21.99 1.44 -5.10	21.61 1.31 -6.18	20.59 1.17 -7.22	22.08 1.17 -8.72	22.08 1.17 -8.72	22.08 1.17 -8.72	23.51 1.12 -10.21	26.73 1.05 -13.50	31.85 1.00 -18.66	36.91 1.24 -21.13	36.61 1.45 -17.43	36.04 1.40 -16.85	30.46 1.20 -13.82	23.33 1.16 -6.74	20.22 0.59 -11.67

GLENWOOD_IC_1_G5 23712	23.46 0.63 -14.55	20.82 0.67 -11.57	18.35 0.62 -9.69	17.70 0.60 -9.10	19.18 0.61 -10.59	24.54 0.65 -15.41	31.01 0.64 -22.39	31.68 1.25 -15.13	32.76 1.40 -15.98	28.96 1.44 -12.07	27.68 1.30 -12.27	25.85 1.16 -12.50	27.61 1.15 -14.27	26.65 1.19 -13.26	27.67 1.18 -14.29	28.17 1.16 -14.83	34.17 1.10 -20.88	38.69 1.06 -25.44	45.51 1.28 -29.69	38.18 1.54 -18.91	59.14 1.53 -39.82	34.16 1.28 -17.44	27.82 1.25 -11.14	26.67 0.63 -18.09
GLENWOOD_IC_2_G1 23688	23.49 0.59 -14.62	20.97 0.63 -11.76	18.49 0.57 -9.87	17.84 0.56 -9.28	19.32 0.57 -10.79	24.70 0.61 -15.62	31.32 0.60 -22.74	31.83 1.16 -15.38	32.86 1.34 -16.14	22.65 1.33 -5.87	27.78 1.30 -12.37	25.92 1.10 -12.63	27.72 1.12 -14.41	26.72 1.12 -13.41	27.75 1.12 -14.44	28.27 1.08 -15.00	34.32 1.02 -21.10	38.93 0.99 -25.75	45.78 1.19 -30.04	38.40 1.45 -19.22	59.34 1.42 -40.13	34.34 1.20 -17.70	27.86 1.17 -11.26	21.06 0.59 -12.52
GLENWOOD_IC_3_G1 23689	23.49 0.59 -14.62	20.97 0.63 -11.76	18.49 0.57 -9.87	17.84 0.56 -9.28	19.32 0.57 -10.79	24.70 0.61 -15.62	31.32 0.60 -22.74	31.83 1.16 -15.38	32.86 1.34 -16.14	22.65 1.33 -5.87	27.78 1.30 -12.37	25.92 1.10 -12.63	27.72 1.12 -14.41	26.72 1.12 -13.41	27.75 1.12 -14.44	28.27 1.08 -15.00	34.32 1.02 -21.10	38.93 0.99 -25.75	45.78 1.19 -30.04	38.40 1.45 -19.22	59.34 1.42 -40.13	34.34 1.20 -17.70	27.86 1.17 -11.26	21.06 0.59 -12.52
GLENWOOD___4 23550	23.46 0.63 -14.55	20.82 0.67 -11.57	18.35 0.62 -9.69	17.70 0.60 -9.10	19.18 0.61 -10.59	24.54 0.65 -15.41	31.01 0.64 -22.39	31.68 1.25 -15.13	32.76 1.40 -15.98	28.96 1.44 -12.07	27.68 1.30 -12.27	25.85 1.16 -12.50	27.61 1.15 -14.27	26.65 1.19 -13.26	27.67 1.18 -14.29	28.17 1.16 -14.83	34.17 1.10 -20.88	38.69 1.06 -25.44	45.51 1.28 -29.69	38.18 1.54 -18.91	59.14 1.53 -39.82	34.16 1.28 -17.44	27.82 1.25 -11.14	26.67 0.63 -18.09
GLENWOOD___5 23614	23.46 0.63 -14.55	20.82 0.67 -11.57	18.35 0.62 -9.69	17.70 0.60 -9.10	19.18 0.61 -10.59	24.54 0.65 -15.41	31.01 0.64 -22.39	31.68 1.25 -15.13	32.76 1.40 -15.98	28.96 1.44 -12.07	27.68 1.30 -12.27	25.85 1.16 -12.50	27.61 1.15 -14.27	26.65 1.19 -13.26	27.67 1.18 -14.29	28.17 1.16 -14.83	34.17 1.10 -20.88	38.69 1.06 -25.44	45.51 1.28 -29.69	38.18 1.54 -18.91	59.14 1.53 -39.82	34.16 1.28 -17.44	27.82 1.25 -11.14	26.67 0.63 -18.09
GLOBAL GREEN_PORT_GT1 23814	23.87 0.97 -14.62	21.37 1.03 -11.76	18.87 0.96 -9.87	18.20 0.92 -9.28	19.70 0.94 -10.79	25.10 1.01 -15.62	31.75 1.03 -22.74	32.61 1.94 -15.38	33.57 2.05 -16.14	31.92 1.92 -14.55	28.36 1.88 -12.37	26.25 1.43 -12.63	28.19 1.58 -14.41	27.16 1.56 -13.41	28.20 1.57 -14.44	28.70 1.52 -15.00	34.77 1.47 -21.10	39.43 1.49 -25.75	46.40 1.82 -30.04	39.18 2.23 -19.22	60.14 2.22 -40.13	34.92 1.79 -17.70	28.51 1.82 -11.26	29.38 0.92 -20.51
GLOBE___DSASP 323697	9.79 -0.10 -1.62	9.94 -0.06 -1.42	9.37 -0.03 -1.36	9.31 -0.04 -1.34	9.33 -0.07 -1.43	9.91 -0.08 -1.52	10.32 -0.24 -2.58	16.26 -1.04 -2.01	15.60 -1.12 -1.34	15.08 -1.13 -0.75	13.95 -1.06 -0.90	12.39 -0.88 -1.08	12.59 -0.85 -1.26	12.60 -0.87 -1.27	12.56 -0.90 -1.27	12.75 -0.93 -1.50	13.28 -0.88 -1.97	13.98 -0.93 -2.72	16.54 -1.06 -3.06	18.93 -1.38 -2.59	18.95 -1.35 -2.52	16.33 -1.17 -2.07	15.39 -1.05 -1.01	9.59 -0.11 -1.75
GOETHSLN___LBMP 323567	19.70 0.50 -10.92	18.71 0.54 -9.59	17.73 0.50 -9.19	17.58 0.49 -9.09	18.15 0.49 -9.69	19.28 0.51 -10.30	25.97 0.50 -17.49	29.74 1.04 -13.41	25.73 1.26 -9.08	21.91 1.36 -5.10	21.52 1.23 -6.18	20.51 1.10 -7.22	22.01 1.10 -8.72	22.01 1.11 -8.71	22.00 1.10 -8.72	23.45 1.06 -10.21	26.64 0.95 -13.49	31.74 0.89 -18.66	36.73 1.06 -21.13	36.42 1.26 -17.43	35.86 1.23 -16.85	30.35 1.10 -13.82	23.23 1.06 -6.74	20.15 0.52 -11.67
GOLAH___69_KV_TB 1_2 80279	9.84 0.18 -1.38	9.96 0.17 -1.21	9.39 0.19 -1.16	9.34 0.19 -1.15	9.37 0.18 -1.22	10.00 0.22 -1.30	10.27 0.09 -2.21	16.78 -0.20 -1.69	16.31 -0.20 -1.13	15.81 -0.28 -0.63	14.68 -0.20 -0.76	12.89 -0.21 -0.90	13.06 -0.20 -1.06	13.04 -0.22 -1.07	13.02 -0.24 -1.07	13.16 -0.28 -1.26	13.59 -0.27 -1.66	14.29 -0.21 -2.31	16.84 -0.31 -2.61	19.52 -0.39 -2.19	19.55 -0.36 -2.13	16.88 -0.29 -1.74	16.05 -0.23 -0.85	9.60 0.17 -1.47
GOODYEAR_LAKE_HYD 323669	12.27 0.38 -3.61	12.16 0.41 -3.17	11.46 0.38 -3.04	11.38 0.37 -3.01	11.55 0.37 -3.21	12.32 0.44 -3.40	14.19 0.43 -5.78	20.46 0.73 -4.43	19.04 0.72 -2.93	17.75 0.65 -1.65	16.68 0.59 -1.97	15.04 0.49 -2.36	15.44 0.49 -2.76	15.48 0.50 -2.79	15.44 0.46 -2.79	15.95 0.47 -3.29	17.01 0.49 -4.33	18.76 0.55 -6.02	21.98 0.65 -6.78	24.35 0.90 -5.72	24.28 0.92 -5.57	20.80 0.80 -4.57	18.43 0.77 -2.23	12.23 0.41 -3.86
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	11.77 0.17 -3.32	11.69 0.20 -2.91	11.02 0.19 -2.79	10.94 0.18 -2.76	11.09 0.18 -2.94	11.80 0.20 -3.12	13.45 0.16 -5.31	19.51 0.15 -4.07	18.22 0.12 -2.71	17.05 0.08 -1.52	16.03 0.08 -1.83	14.40 0.04 -2.18	14.80 0.05 -2.56	14.81 0.04 -2.58	14.82 0.05 -2.58	15.25 0.02 -3.04	16.26 0.06 -4.01	17.87 0.12 -5.56	20.93 0.12 -6.28	23.17 0.18 -5.26	23.11 0.21 -5.12	19.80 0.17 -4.20	17.66 0.19 -2.05	11.71 0.21 -3.54
GOUDEY___7 23579	11.78 0.18 -3.32	11.70 0.21 -2.91	11.02 0.19 -2.79	10.95 0.18 -2.76	11.09 0.18 -2.94	11.81 0.21 -3.12	13.45 0.17 -5.31	19.53 0.17 -4.07	18.23 0.14 -2.71	17.07 0.09 -1.52	16.04 0.10 -1.83	14.41 0.05 -2.18	14.81 0.06 -2.56	14.82 0.05 -2.58	14.83 0.06 -2.58	15.26 0.04 -3.04	16.27 0.07 -4.01	17.89 0.13 -5.56	20.93 0.12 -6.28	23.18 0.19 -5.26	23.13 0.23 -5.12	19.81 0.19 -4.20	17.68 0.20 -2.05	11.71 0.21 -3.54
GOUDEY___8 23580	11.77 0.17 -3.32	11.69 0.20 -2.91	11.02 0.19 -2.79	10.94 0.18 -2.76	11.09 0.18 -2.94	11.80 0.20 -3.12	13.45 0.16 -5.31	19.51 0.15 -4.07	18.22 0.12 -2.71	17.05 0.08 -1.52	16.03 0.08 -1.83	14.40 0.04 -2.18	14.80 0.05 -2.56	14.81 0.04 -2.58	14.82 0.05 -2.58	15.25 0.02 -3.04	16.26 0.06 -4.01	17.87 0.12 -5.56	20.93 0.12 -6.28	23.17 0.18 -5.26	23.11 0.21 -5.12	19.80 0.17 -4.20	17.66 0.19 -2.05	11.71 0.21 -3.54
GOWANUS_GT1_1 24077	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT1_2 24078	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89

GOWANUS_GT1_3 24079	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT1_4 24080	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT1_5 24084	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT1_6 24111	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT1_7 24112	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT1_8 24113	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT2_1 24114	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.

GOWANUS_GT3_2 24123	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT3_3 24124	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT3_4 24125	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT3_5 24126	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT3_6 24127	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT3_7 24128	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
GOWANUS_GT3_8 24129	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.

GREENBSH_115KV_TB3 55895	22.05 0.12 -13.65	20.69 0.13 -11.98	19.66 0.14 -11.48	19.50 0.14 -11.36	20.21 0.14 -12.11	21.49 0.15 -12.86	29.95 0.12 -21.85	32.24 0.20 -16.75	26.54 0.28 -10.88	21.86 0.31 -6.09	21.61 0.27 -7.23	21.28 0.24 -8.85	22.41 0.20 -10.03	22.67 0.21 -10.27	22.64 0.21 -10.24	24.59 0.21 -12.20	28.39 0.23 -15.97	34.68 0.23 -22.25	39.81 0.28 -25.00	39.54 0.34 -21.48	39.19 0.36 -21.05	32.99 0.29 -17.27	24.16 0.31 -8.42	22.68 0.14 -14.58
GREENDGE_115KV_TB5 80291	10.55 0.22 -2.06	10.62 0.23 -1.81	10.00 0.23 -1.73	9.93 0.22 -1.71	10.01 0.22 -1.82	10.68 0.26 -1.94	11.47 0.20 -3.29	17.97 0.15 -2.52	17.14 0.08 -1.68	16.44 0.05 -0.94	15.29 0.04 -1.13	13.50 -0.04 -1.35	13.77 -0.01 -1.59	13.74 -0.05 -1.60	13.75 -0.04 -1.60	14.01 -0.06 -1.89	14.68 0.00 -2.49	15.74 0.10 -3.45	18.50 0.07 -3.89	21.15 0.16 -3.26	21.17 0.21 -3.17	18.19 0.15 -2.60	16.87 0.17 -1.27	10.42 0.27 -2.20
GREENIDGE___3 23582	10.55 0.22 -2.06	10.62 0.23 -1.81	10.00 0.23 -1.73	9.93 0.22 -1.71	10.01 0.22 -1.82	10.68 0.26 -1.94	11.47 0.20 -3.29	17.97 0.15 -2.52	17.14 0.08 -1.68	16.44 0.05 -0.94	15.29 0.04 -1.13	13.50 -0.04 -1.35	13.77 -0.01 -1.59	13.74 -0.05 -1.60	13.75 -0.04 -1.60	14.01 -0.06 -1.89	14.68 0.00 -2.49	15.74 0.10 -3.45	18.50 0.07 -3.89	21.15 0.16 -3.26	21.17 0.21 -3.17	18.19 0.15 -2.60	16.87 0.17 -1.27	10.42 0.27 -2.20
GREENIDGE___4 23583	10.50 0.21 -2.01	10.58 0.23 -1.76	9.96 0.22 -1.69	9.89 0.22 -1.67	9.97 0.22 -1.78	10.63 0.26 -1.89	11.39 0.20 -3.22	17.93 0.15 -2.49	17.09 0.06 -1.65	16.44 0.06 -0.92	15.19 -0.03 -1.11	13.48 -0.04 -1.33	13.69 -0.05 -1.55	13.71 -0.05 -1.57	13.72 -0.04 -1.57	13.97 -0.06 -1.85	14.63 0.00 -2.43	15.58 0.01 -3.38	18.42 0.07 -3.81	21.10 0.16 -3.21	21.12 0.21 -3.13	18.15 0.15 -2.57	16.85 0.17 -1.25	10.39 0.27 -2.17
GREENLWN_69_KV_BK 3 55738	23.56 0.73 -14.55	20.92 0.77 -11.57	18.45 0.72 -9.69	17.79 0.69 -9.10	19.27 0.71 -10.59	24.64 0.75 -15.41	31.11 0.74 -22.39	31.86 1.44 -15.13	32.93 1.57 -15.98	30.48 1.58 -13.45	27.76 1.38 -12.27	25.94 1.24 -12.50	27.68 1.22 -14.27	26.76 1.30 -13.26	27.78 1.29 -14.29	28.27 1.27 -14.83	34.25 1.18 -20.88	38.80 1.17 -25.44	45.63 1.40 -29.69	38.34 1.70 -18.91	59.30 1.69 -39.82	34.27 1.39 -17.44	27.99 1.42 -11.14	28.04 0.72 -19.37
GREENWD_138_KV_38B11_REV_LBMP_J 345004	19.77 0.56 -10.92	18.75 0.58 -9.59	17.76 0.53 -9.19	17.61 0.51 -9.09	18.18 0.52 -9.70	19.32 0.54 -10.30	26.01 0.53 -17.49	29.77 1.07 -13.41	25.74 1.28 -9.08	21.93 1.38 -5.10	21.55 1.26 -6.18	20.54 1.12 -7.22	22.03 1.12 -8.72	22.04 1.13 -8.72	22.03 1.12 -8.72	23.47 1.08 -10.21	26.70 1.01 -13.50	31.80 0.95 -18.66	36.86 1.19 -21.13	36.56 1.40 -17.43	36.00 1.37 -16.85	30.41 1.16 -13.82	23.30 1.13 -6.74	20.21 0.58 -11.67
GRISSOM___SOLAR 323813	25.43 0.86 -16.29	23.81 0.90 -14.33	22.59 0.82 -13.73	22.39 0.80 -13.59	23.29 0.84 -14.49	24.83 0.97 -15.38	34.95 0.84 -26.14	36.82 1.45 -20.08	29.93 1.39 -13.17	24.12 1.28 -7.38	23.93 1.02 -8.80	23.75 0.90 -10.65	25.32 0.87 -12.26	25.56 0.89 -12.48	25.51 0.87 -12.45	27.87 0.91 -14.78	32.65 1.07 -19.39	40.40 1.24 -26.96	46.44 1.56 -30.35	45.51 1.95 -25.83	45.04 2.03 -25.23	38.10 1.98 -20.69	27.34 1.82 -10.09	26.35 0.92 -17.48
GROVEVILLE___HYD 323602	19.80 0.50 -11.02	18.77 0.51 -9.67	17.78 0.47 -9.26	17.64 0.47 -9.17	18.22 0.48 -9.78	19.39 0.53 -10.38	26.14 0.52 -17.64	29.84 1.02 -13.52	25.66 1.12 -9.15	21.78 1.19 -5.14	21.40 1.06 -6.22	20.40 0.93 -7.28	21.90 0.93 -8.78	21.91 0.94 -8.78	21.90 0.93 -8.78	23.38 0.91 -10.29	26.63 0.84 -13.60	31.84 0.84 -18.80	36.83 1.00 -21.29	36.63 1.33 -17.58	36.11 1.33 -17.00	30.51 1.14 -13.94	23.32 1.10 -6.80	20.27 0.54 -11.77
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	9.46 0.00 -1.19	9.62 0.00 -1.04	9.03 -0.01 -1.00	8.97 -0.02 -0.99	9.01 -0.01 -1.05	9.60 0.01 -1.12	9.87 -0.01 -1.90	16.62 -0.12 -1.46	16.21 -0.14 -0.97	15.84 -0.15 -0.54	14.63 -0.14 -0.65	12.81 -0.16 -0.78	12.97 -0.13 -0.92	12.97 -0.15 -0.92	12.98 -0.13 -0.92	13.11 -0.16 -1.09	13.50 -0.12 -1.43	14.09 -0.09 -1.99	16.67 -0.12 -2.24	19.54 -0.07 -1.88	19.58 -0.04 -1.83	16.89 -0.05 -1.50	16.12 -0.05 -0.73	9.28 0.06 -1.27
HAMLTNNY_34_KV_TB 80303	9.55 0.02 -1.25	9.70 0.02 -1.10	9.12 0.02 -1.05	9.05 0.01 -1.04	9.10 0.02 -1.11	9.70 0.04 -1.18	10.02 0.03 -2.01	16.77 -0.06 -1.54	16.32 -0.09 -1.02	15.90 -0.12 -0.57	14.69 -0.11 -0.69	12.88 -0.13 -0.82	13.04 -0.12 -0.97	13.06 -0.11 -0.98	13.07 -0.10 -0.98	13.22 -0.11 -1.15	13.63 -0.07 -1.51	14.25 -0.04 -2.10	16.84 -0.07 -2.37	19.70 -0.02 -1.99	19.73 0.02 -1.93	16.99 -0.03 -1.59	16.19 -0.02 -0.77	9.38 0.09 -1.34
HAMPSHIRE___PAPER_HYD 323593	8.16 -0.42 -0.31	8.42 -0.43 -0.27	7.90 -0.40 -0.26	7.87 -0.38 -0.25	7.88 -0.36 -0.27	8.36 -0.41 -0.29	8.15 -0.31 -0.49	15.14 -0.52 -0.37	14.94 -0.69 -0.25	14.88 -0.71 -0.14	13.65 -0.63 -0.17	11.80 -0.58 -0.20	11.84 -0.58 -0.23	11.83 -0.60 -0.24	11.82 -0.61 -0.23	11.87 -0.58 -0.28	12.00 -0.56 -0.37	12.19 -0.51 -0.51	14.59 -0.52 -0.57	17.59 -0.62 -0.48	17.65 -0.60 -0.47	15.35 -0.46 -0.39	15.11 -0.51 -0.19	7.96 -0.32 -0.33
HARDSCRABBLE_WT_PWR 323673	8.22 -0.06 0.00	8.54 -0.04 0.00	8.00 -0.05 0.00	7.95 -0.05 0.00	7.92 -0.05 0.00	8.43 -0.04 0.00	7.90 -0.08 0.00	15.09 -0.20 0.00	15.18 -0.20 0.00	15.24 -0.22 0.00	13.86 -0.25 0.00	11.97 -0.22 0.00	11.91 -0.28 0.00	11.90 -0.29 0.00	11.87 -0.32 0.00	11.85 -0.33 0.00	11.86 -0.33 0.00	11.86 -0.33 0.00	14.18 -0.36 0.00	17.34 -0.39 0.00	17.43 -0.36 0.00	15.26 -0.17 0.00	15.26 -0.17 0.00	7.87 -0.08 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	18.96 0.49 -10.20	18.03 0.50 -8.95	17.08 0.46 -8.57	16.94 0.45 -8.49	17.47 0.45 -9.05	18.59 0.51 -9.61	24.79 0.49 -16.33	28.77 0.96 -12.51	24.91 1.06 -8.46	21.37 1.16 -4.75	20.90 1.03 -5.75	19.84 0.91 -6.74	21.21 0.90 -8.12	21.21 0.90 -8.12	21.20 0.89 -8.12	22.57 0.88 -9.51	25.57 0.80 -12.57	30.38 0.80 -17.39	35.18 0.96 -19.68	35.23 1.24 -16.26	34.76 1.24 -15.73	29.41 1.08 -12.90	22.77 1.05 -6.29	19.37 0.52 -10.90
HARSNRAD_115KV_TB1 81005	9.94 0.07 -1.59	10.09 0.11 -1.40	9.51 0.13 -1.34	9.45 0.12 -1.32	9.47 0.09 -1.41	10.07 0.09 -1.50	10.44 -0.09 -2.55	16.53 -0.72 -1.95	15.87 -0.82 -1.30	15.26 -0.93 -0.73	14.27 -0.72 -0.88	12.54 -0.69 -1.04	12.76 -0.66 -1.23	12.75 -0.68 -1.24	12.71 -0.72 -1.24	12.88 -0.76 -1.46	13.41 -0.71 -1.92	14.32 -0.54 -2.67	16.75 -0.80 -3.01	19.21 -1.05 -2.52	19.20 -1.03 -2.45	16.58 -0.86 -2.01	15.64 -0.77 -0.98	9.68 0.03 -1.70
HARZA MOOSE___RIVER 24016	8.58 -0.02 -0.32	8.86 0.00 -0.28	8.30 -0.01 -0.27	8.26 -0.01 -0.26	8.25 0.00 -0.28	8.82 0.04 -0.30	8.52 0.03 -0.51	15.69 0.02 -0.39	15.57 -0.08 -0.26	15.50 -0.09 -0.14	14.22 -0.07 -0.17	12.31 -0.09 -0.21	12.34 -0.10 -0.24	12.31 -0.12 -0.25	12.29 -0.15 -0.25	12.35 -0.12 -0.29	12.47 -0.10 -0.38	12.70 -0.02 -0.53	15.15 0.01 -0.60	18.39 0.16 -0.50	18.46 0.20 -0.49	16.08 0.25 -0.40	15.83 0.20 -0.20	8.39 0.10 -0.34

HDSNBRDG_115KV_BRDG_TB1 355580	9.35 -0.04 -1.11	9.51 -0.04 -0.98	8.94 -0.04 -0.93	8.88 -0.05 -0.93	8.91 -0.05 -0.99	9.50 -0.03 -1.05	9.72 -0.04 -1.78	16.46 -0.20 -1.36	16.09 -0.20 -0.91	15.73 -0.23 -0.51	14.53 -0.20 -0.61	12.72 -0.20 -0.73	12.88 -0.17 -0.86	12.87 -0.18 -0.87	12.88 -0.17 -0.86	13.00 -0.19 -1.02	13.36 -0.17 -1.34	13.92 -0.13 -1.86	16.45 -0.19 -2.10	19.31 -0.18 -1.76	19.35 -0.14 -1.71	16.70 -0.14 -1.41	15.98 -0.14 -0.69	9.16 0.02 -1.19
HELLGATE_13_KV_LD 55870	19.74 0.54 -10.92	18.74 0.57 -9.59	17.75 0.52 -9.19	17.60 0.50 -9.09	18.17 0.51 -9.70	19.31 0.53 -10.30	25.99 0.52 -17.49	29.75 1.06 -13.41	25.73 1.26 -9.08	21.91 1.36 -5.10	21.54 1.24 -6.18	20.52 1.11 -7.22	22.02 1.11 -8.72	22.02 1.11 -8.72	22.02 1.11 -8.72	23.45 1.06 -10.21	26.67 0.99 -13.50	31.78 0.93 -18.66	36.82 1.15 -21.13	36.53 1.37 -17.43	35.95 1.32 -16.85	30.38 1.13 -13.82	23.25 1.08 -6.74	20.19 0.56 -11.67
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	19.74 0.54 -10.92	18.74 0.57 -9.59	17.75 0.52 -9.19	17.60 0.50 -9.09	18.17 0.51 -9.70	19.31 0.53 -10.30	25.99 0.52 -17.49	29.75 1.06 -13.41	25.73 1.26 -9.08	21.91 1.36 -5.10	21.54 1.24 -6.18	20.52 1.11 -7.22	22.02 1.11 -8.72	22.02 1.11 -8.72	22.02 1.11 -8.72	23.45 1.06 -10.21	26.67 0.99 -13.50	31.78 0.93 -18.66	36.82 1.15 -21.13	36.53 1.37 -17.43	35.95 1.32 -16.85	30.38 1.13 -13.82	23.25 1.08 -6.74	20.19 0.56 -11.67
HEMPSTEAD____ 23647	23.54 0.64 -14.62	21.02 0.68 -11.76	18.54 0.63 -9.87	17.88 0.60 -9.28	19.38 0.62 -10.79	24.76 0.66 -15.62	31.37 0.65 -22.74	31.94 1.27 -15.38	32.95 1.43 -16.14	30.53 1.39 -13.69	27.85 1.37 -12.37	25.94 1.12 -12.63	27.78 1.18 -14.41	26.78 1.18 -13.41	27.81 1.18 -14.44	28.33 1.14 -15.00	34.36 1.06 -21.10	38.97 1.02 -25.75	45.82 1.24 -30.04	38.45 1.51 -19.22	59.39 1.48 -40.13	34.37 1.24 -17.70	27.93 1.24 -11.26	28.29 0.62 -19.72
HEWLETT_69_KV_BK3 55828	23.56 0.73 -14.55	20.92 0.77 -11.57	18.44 0.71 -9.69	17.79 0.69 -9.10	19.26 0.70 -10.59	24.64 0.75 -15.41	31.08 0.71 -22.39	31.82 1.39 -15.13	32.87 1.51 -15.98	29.77 1.56 -12.75	27.75 1.37 -12.27	25.92 1.23 -12.50	27.67 1.21 -14.27	26.70 1.24 -13.26	27.72 1.23 -14.29	28.21 1.21 -14.83	34.23 1.16 -20.88	38.69 1.06 -25.44	45.51 1.28 -29.69	38.19 1.56 -18.91	59.14 1.53 -39.82	34.28 1.40 -17.44	27.96 1.39 -11.14	27.38 0.71 -18.72
HICKLING___1 23621	11.14 0.31 -2.55	11.16 0.34 -2.24	10.52 0.33 -2.15	10.44 0.31 -2.12	10.54 0.31 -2.26	11.23 0.35 -2.40	12.36 0.30 -4.09	18.74 0.32 -3.13	17.72 0.25 -2.09	16.79 0.17 -1.17	15.69 0.17 -1.41	13.94 0.07 -1.67	14.26 0.10 -1.97	14.29 0.11 -1.99	14.29 0.11 -1.99	14.61 0.09 -2.34	15.41 0.13 -3.09	16.71 0.24 -4.28	19.60 0.23 -4.83	22.10 0.32 -4.05	22.09 0.37 -3.94	18.91 0.25 -3.23	17.28 0.28 -1.57	11.03 0.35 -2.73
HICKLING___2 23622	11.14 0.31 -2.55	11.16 0.34 -2.24	10.52 0.33 -2.15	10.44 0.31 -2.12	10.54 0.31 -2.26	11.23 0.35 -2.40	12.36 0.30 -4.09	18.74 0.32 -3.13	17.72 0.25 -2.09	16.79 0.17 -1.17	15.69 0.17 -1.41	13.94 0.07 -1.67	14.26 0.10 -1.97	14.29 0.11 -1.99	14.29 0.11 -1.99	14.61 0.09 -2.34	15.41 0.13 -3.09	16.71 0.24 -4.28	19.60 0.23 -4.83	22.10 0.32 -4.05	22.09 0.37 -3.94	18.91 0.25 -3.23	17.28 0.28 -1.57	11.03 0.35 -2.73
HIGH FALLS___HY 23754	18.96 0.52 -10.16	18.02 0.51 -8.92	17.06 0.47 -8.55	16.93 0.46 -8.46	17.47 0.48 -9.02	18.59 0.53 -9.58	24.75 0.50 -16.27	28.80 1.04 -12.47	24.87 1.09 -8.39	21.40 1.24 -4.71	20.89 1.09 -5.69	19.84 0.95 -6.70	21.15 0.96 -8.00	21.13 0.91 -8.03	21.12 0.90 -8.02	22.48 0.88 -9.42	25.42 0.79 -12.44	30.21 0.79 -17.22	34.99 0.97 -19.47	35.25 1.35 -16.18	34.81 1.35 -15.68	29.53 1.23 -12.86	22.87 1.17 -6.27	19.39 0.58 -10.86
HILLBURN___GT 23639	19.18 0.50 -10.40	17.97 0.51 -8.87	17.01 0.47 -8.50	16.88 0.46 -8.41	17.41 0.47 -8.97	18.52 0.52 -9.52	24.64 0.49 -16.18	28.63 0.96 -12.37	24.84 1.09 -8.36	21.32 1.17 -4.69	20.85 1.06 -5.68	19.80 0.95 -6.66	21.11 0.91 -8.01	21.13 0.93 -8.01	21.13 0.93 -8.01	22.46 0.89 -9.39	25.44 0.84 -12.41	30.18 0.82 -17.17	34.96 0.99 -19.43	35.02 1.22 -16.07	34.54 1.21 -15.55	29.27 1.08 -12.75	22.70 1.05 -6.22	19.24 0.52 -10.77
HILLSIDE_115KV_TB1 80332	11.10 0.18 -2.64	11.11 0.21 -2.32	10.47 0.21 -2.22	10.40 0.20 -2.20	10.50 0.19 -2.34	11.18 0.22 -2.49	12.35 0.15 -4.22	18.57 0.05 -3.24	17.54 0.00 -2.16	16.62 -0.05 -1.21	15.54 -0.03 -1.45	13.85 -0.07 -1.73	14.17 -0.06 -2.04	14.17 -0.07 -2.06	14.17 -0.07 -2.05	14.50 -0.10 -2.42	15.32 -0.06 -3.19	16.64 0.02 -4.42	19.52 -0.01 -4.99	21.93 0.02 -4.19	21.90 0.05 -4.07	18.77 0.00 -3.34	17.10 0.05 -1.63	10.99 0.21 -2.82
HISHELDN_WT_PWR 323625	10.27 0.15 -1.85	10.39 0.19 -1.62	9.79 0.20 -1.55	9.71 0.18 -1.53	9.76 0.15 -1.64	10.38 0.17 -1.74	10.96 0.03 -2.95	17.21 -0.38 -2.30	16.42 -0.49 -1.53	15.80 -0.51 -0.86	14.62 -0.52 -1.03	12.99 -0.43 -1.23	13.21 -0.41 -1.43	13.22 -0.43 -1.45	13.18 -0.46 -1.45	13.40 -0.49 -1.71	14.00 -0.44 -2.25	14.87 -0.44 -3.12	17.58 -0.48 -3.51	20.09 -0.60 -2.96	20.08 -0.59 -2.89	17.28 -0.52 -2.37	16.12 -0.46 -1.15	10.07 0.12 -2.00
HOLTSVILLE_IC_1 23690	23.66 0.76 -14.62	21.15 0.82 -11.76	18.66 0.75 -9.87	18.00 0.72 -9.28	19.50 0.74 -10.79	24.88 0.79 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.17 1.65 -16.14	31.56 1.56 -14.55	28.03 1.55 -12.37	26.05 1.23 -12.63	27.93 1.33 -14.41	26.92 1.32 -13.41	27.94 1.32 -14.44	28.42 1.24 -15.00	34.47 1.17 -21.10	39.08 1.13 -25.75	45.95 1.37 -30.04	38.63 1.68 -19.22	59.59 1.67 -40.13	34.50 1.37 -17.70	28.13 1.44 -11.26	29.20 0.73 -20.51
HOLTSVILLE_IC_10 23699	23.70 0.79 -14.62	21.19 0.85 -11.76	18.69 0.78 -9.87	18.03 0.75 -9.28	19.53 0.77 -10.79	24.93 0.83 -15.62	31.57 0.85 -22.74	32.29 1.62 -15.38	33.26 1.74 -16.14	31.63 1.64 -14.54	28.10 1.62 -12.37	26.09 1.27 -12.63	27.99 1.39 -14.41	26.99 1.39 -13.41	28.00 1.38 -14.44	28.50 1.32 -15.00	34.55 1.26 -21.10	39.18 1.23 -25.75	46.08 1.50 -30.04	38.77 1.83 -19.22	59.75 1.83 -40.13	34.60 1.47 -17.70	28.20 1.51 -11.26	29.22 0.77 -20.50
HOLTSVILLE_IC_2 23691	23.66 0.76 -14.62	21.15 0.82 -11.76	18.66 0.75 -9.87	18.00 0.72 -9.28	19.50 0.74 -10.79	24.88 0.79 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.17 1.65 -16.14	31.56 1.56 -14.55	28.03 1.55 -12.37	26.05 1.23 -12.63	27.93 1.33 -14.41	26.92 1.32 -13.41	27.94 1.32 -14.44	28.42 1.24 -15.00	34.47 1.17 -21.10	39.08 1.13 -25.75	45.95 1.37 -30.04	38.63 1.68 -19.22	59.59 1.67 -40.13	34.50 1.37 -17.70	28.13 1.44 -11.26	29.20 0.73 -20.51
HOLTSVILLE_IC_3 23692	23.66 0.76 -14.62	21.15 0.82 -11.76	18.66 0.75 -9.87	18.00 0.72 -9.28	19.50 0.74 -10.79	24.88 0.79 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.17 1.65 -16.14	31.56 1.56 -14.55	28.03 1.55 -12.37	26.05 1.23 -12.63	27.93 1.33 -14.41	26.92 1.32 -13.41	27.94 1.32 -14.44	28.42 1.24 -15.00	34.47 1.17 -21.10	39.08 1.13 -25.75	45.95 1.37 -30.04	38.63 1.68 -19.22	59.59 1.67 -40.13	34.50 1.37 -17.70	28.13 1.44 -11.26	29.20 0.73 -20.51

HOLTSVILLE_IC_4 23693	23.66 0.76 -14.62	21.15 0.82 -11.76	18.66 0.75 -9.87	18.00 0.72 -9.28	19.50 0.74 -10.79	24.88 0.79 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.17 1.65 -16.14	31.56 1.56 -14.55	28.03 1.55 -12.37	26.05 1.23 -12.63	27.93 1.33 -14.41	26.92 1.32 -13.41	27.94 1.32 -14.44	28.42 1.24 -15.00	34.47 1.17 -21.10	39.08 1.13 -25.75	45.95 1.37 -30.04	38.63 1.68 -19.22	59.59 1.67 -40.13	34.50 1.37 -17.70	28.13 1.44 -11.26	29.20 0.73 -20.51
HOLTSVILLE_IC_5 23694	23.66 0.76 -14.62	21.15 0.82 -11.76	18.66 0.75 -9.87	18.00 0.72 -9.28	19.50 0.74 -10.79	24.88 0.79 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.17 1.65 -16.14	31.56 1.56 -14.55	28.03 1.55 -12.37	26.05 1.23 -12.63	27.93 1.33 -14.41	26.92 1.32 -13.41	27.94 1.32 -14.44	28.42 1.24 -15.00	34.47 1.17 -21.10	39.08 1.13 -25.75	45.95 1.37 -30.04	38.63 1.68 -19.22	59.59 1.67 -40.13	34.50 1.37 -17.70	28.13 1.44 -11.26	29.20 0.73 -20.51
HOLTSVILLE_IC_6 23695	23.70 0.79 -14.62	21.19 0.85 -11.76	18.69 0.78 -9.87	18.03 0.75 -9.28	19.53 0.77 -10.79	24.93 0.83 -15.62	31.57 0.85 -22.74	32.29 1.62 -15.38	33.26 1.74 -16.14	31.63 1.64 -14.54	28.10 1.62 -12.37	26.09 1.27 -12.63	27.99 1.39 -14.41	26.99 1.39 -13.41	28.00 1.38 -14.44	28.50 1.32 -15.00	34.55 1.26 -21.10	39.18 1.23 -25.75	46.08 1.50 -30.04	38.77 1.83 -19.22	59.75 1.83 -40.13	34.60 1.47 -17.70	28.20 1.51 -11.26	29.22 0.77 -20.50
HOLTSVILLE_IC_7 23696	23.70 0.79 -14.62	21.19 0.85 -11.76	18.69 0.78 -9.87	18.03 0.75 -9.28	19.53 0.77 -10.79	24.93 0.83 -15.62	31.57 0.85 -22.74	32.29 1.62 -15.38	33.26 1.74 -16.14	31.63 1.64 -14.54	28.10 1.62 -12.37	26.09 1.27 -12.63	27.99 1.39 -14.41	26.99 1.39 -13.41	28.00 1.38 -14.44	28.50 1.32 -15.00	34.55 1.26 -21.10	39.18 1.23 -25.75	46.08 1.50 -30.04	38.77 1.83 -19.22	59.75 1.83 -40.13	34.60 1.47 -17.70	28.20 1.51 -11.26	29.22 0.77 -20.50
HOLTSVILLE_IC_8 23697	23.70 0.79 -14.62	21.19 0.85 -11.76	18.69 0.78 -9.87	18.03 0.75 -9.28	19.53 0.77 -10.79	24.93 0.83 -15.62	31.57 0.85 -22.74	32.29 1.62 -15.38	33.26 1.74 -16.14	31.63 1.64 -14.54	28.10 1.62 -12.37	26.09 1.27 -12.63	27.99 1.39 -14.41	26.99 1.39 -13.41	28.00 1.38 -14.44	28.50 1.32 -15.00	34.55 1.26 -21.10	39.18 1.23 -25.75	46.08 1.50 -30.04	38.77 1.83 -19.22	59.75 1.83 -40.13	34.60 1.47 -17.70	28.20 1.51 -11.26	29.22 0.77 -20.50
HOLTSVILLE_IC_9 23698	23.70 0.79 -14.62	21.19 0.85 -11.76	18.69 0.78 -9.87	18.03 0.75 -9.28	19.53 0.77 -10.79	24.93 0.83 -15.62	31.57 0.85 -22.74	32.29 1.62 -15.38	33.26 1.74 -16.14	31.63 1.64 -14.54	28.10 1.62 -12.37	26.09 1.27 -12.63	27.99 1.39 -14.41	26.99 1.39 -13.41	28.00 1.38 -14.44	28.50 1.32 -15.00	34.55 1.26 -21.10	39.18 1.23 -25.75	46.08 1.50 -30.04	38.77 1.83 -19.22	59.75 1.83 -40.13	34.60 1.47 -17.70	28.20 1.51 -11.26	29.22 0.77 -20.50
HOMER_HL_115KV_TB2 355744	10.53 0.12 -2.13	10.62 0.16 -1.87	10.01 0.17 -1.79	9.93 0.15 -1.77	9.98 0.12 -1.89	10.63 0.14 -2.01	11.45 0.06 -3.41	17.62 -0.29 -2.62	16.76 -0.37 -1.74	15.97 -0.46 -0.98	14.89 -0.40 -1.17	13.19 -0.40 -1.40	13.46 -0.38 -1.65	13.46 -0.39 -1.66	13.42 -0.43 -1.66	13.67 -0.46 -1.96	14.37 -0.40 -2.58	15.51 -0.26 -3.57	18.18 -0.39 -4.03	20.61 -0.50 -3.38	20.61 -0.46 -3.29	17.65 -0.48 -2.70	16.33 -0.42 -1.31	10.32 0.09 -2.28
HOWARD_WT_PWR 323690	10.77 0.36 -2.13	10.85 0.40 -1.87	10.23 0.39 -1.79	10.14 0.37 -1.77	10.22 0.36 -1.89	10.90 0.42 -2.00	11.69 0.31 -3.41	18.19 0.26 -2.64	17.27 0.14 -1.75	16.57 0.14 -0.98	15.32 0.03 -1.18	13.63 0.02 -1.41	13.84 0.00 -1.65	13.84 -0.01 -1.67	13.84 -0.01 -1.66	14.11 -0.04 -1.97	14.80 0.02 -2.59	15.83 0.05 -3.59	18.71 0.13 -4.04	21.33 0.20 -3.41	21.35 0.25 -3.32	18.36 0.20 -2.72	16.98 0.22 -1.33	10.63 0.37 -2.30
HQ_GEN_CEDARS 23644	8.06 -0.29 -0.08	8.34 -0.31 -0.07	7.83 -0.28 -0.06	7.83 -0.23 -0.06	7.84 -0.20 -0.07	8.23 -0.32 -0.07	7.89 -0.21 -0.12	15.22 -0.17 -0.09	15.11 -0.34 -0.06	15.19 -0.29 -0.03	13.89 -0.27 -0.04	12.00 -0.24 -0.05	12.01 -0.24 -0.06	11.98 -0.27 -0.06	11.99 -0.26 -0.06	12.02 -0.23 -0.07	12.04 -0.24 -0.09	12.06 -0.26 -0.13	14.48 -0.20 -0.14	17.41 -0.44 -0.12	17.42 -0.48 -0.12	15.24 -0.29 -0.10	15.17 -0.31 -0.05	7.77 -0.26 -0.08
HQ_GEN_CEDARS_PROXY 323590	7.99 -0.29 0.00	8.27 -0.31 0.00	7.77 -0.27 0.00	7.77 -0.23 0.00	7.77 -0.20 0.00	8.15 -0.32 0.00	7.77 -0.21 0.00	15.12 -0.17 0.00	15.03 -0.35 0.00	15.17 -0.28 0.00	13.85 -0.27 0.00	11.95 -0.24 0.00	11.93 -0.26 0.00	11.93 -0.26 0.00	11.93 -0.26 0.00	11.95 -0.23 0.00	11.95 -0.24 0.00	11.97 -0.22 0.00	14.34 -0.20 0.00	17.28 -0.44 0.00	17.30 -0.48 0.00	15.14 -0.29 0.00	15.12 -0.31 0.00	7.69 -0.26 0.00
HQ_GEN_IMPORT 323601	8.13 -0.15 0.00	8.43 -0.15 0.00	7.90 -0.14 0.00	7.86 -0.14 0.00	7.83 -0.14 0.00	8.31 -0.17 0.00	7.83 -0.14 0.00	15.09 -0.20 0.00	15.15 -0.23 0.00	15.24 -0.22 0.00	13.92 -0.20 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	12.02 -0.16 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	14.34 -0.20 0.00	17.43 -0.30 0.00	17.46 -0.32 0.00	15.15 -0.28 0.00	15.15 -0.28 0.00	7.77 -0.18 0.00
HQ_GEN_WHEEL 23651	8.13 -0.15 0.00	8.43 -0.15 0.00	7.90 -0.14 0.00	7.86 -0.14 0.00	7.83 -0.14 0.00	8.31 -0.17 0.00	7.83 -0.14 0.00	15.09 -0.20 0.00	15.15 -0.23 0.00	15.24 -0.22 0.00	13.92 -0.20 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	12.02 -0.16 0.00	12.02 -0.17 0.00	12.02 -0.17 0.00	14.34 -0.20 0.00	17.43 -0.30 0.00	17.46 -0.32 0.00	15.15 -0.28 0.00	15.15 -0.28 0.00	7.77 -0.18 0.00
HUDSON_AVE_GT_3 23810	19.81 0.54 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.80 0.52 -9.28	18.38 0.52 -9.89	19.53 0.55 -10.50	26.37 0.55 -17.84	30.05 1.10 -13.66	25.95 1.32 -9.24	22.00 1.36 -5.19	21.69 1.30 -6.28	20.68 1.13 -7.35	22.18 1.13 -8.86	22.18 1.13 -8.86	22.18 1.13 -8.86	23.66 1.10 -10.38	26.92 1.01 -13.72	32.12 0.95 -18.98	37.19 1.16 -21.48	36.86 1.38 -17.75	36.30 1.35 -17.16	30.68 1.17 -14.08	23.42 1.13 -6.86	20.41 0.56 -11.89
HUDSON_AVE_GT_4 23540	19.81 0.54 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.80 0.52 -9.28	18.38 0.52 -9.89	19.53 0.55 -10.50	26.37 0.55 -17.84	30.05 1.10 -13.66	25.95 1.32 -9.24	22.00 1.36 -5.19	21.69 1.30 -6.28	20.68 1.13 -7.35	22.18 1.13 -8.86	22.18 1.13 -8.86	22.18 1.13 -8.86	23.66 1.10 -10.38	26.92 1.01 -13.72	32.12 0.95 -18.98	37.19 1.16 -21.48	36.86 1.38 -17.75	36.30 1.35 -17.16	30.68 1.17 -14.08	23.42 1.13 -6.86	20.41 0.56 -11.89
HUDSON_AVE_GT_5 23657	19.81 0.54 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.80 0.52 -9.28	18.38 0.52 -9.89	19.53 0.55 -10.50	26.37 0.55 -17.84	30.05 1.10 -13.66	25.95 1.32 -9.24	22.00 1.36 -5.19	21.69 1.30 -6.28	20.68 1.13 -7.35	22.18 1.13 -8.86	22.18 1.13 -8.86	22.18 1.13 -8.86	23.66 1.10 -10.38	26.92 1.01 -13.72	32.12 0.95 -18.98	37.19 1.16 -21.48	36.86 1.38 -17.75	36.30 1.35 -17.16	30.68 1.17 -14.08	23.42 1.13 -6.86	20.41 0.56 -11.89

HUDSON_AVE_10 24168	19.71 0.51 -10.92	18.72 0.55 -9.59	17.73 0.50 -9.19	17.59 0.50 -9.09	18.16 0.49 -9.69	19.31 0.53 -10.30	26.01 0.53 -17.49	29.78 1.09 -13.41	25.74 1.28 -9.08	21.93 1.38 -5.10	21.52 1.23 -6.18	20.51 1.10 -7.22	22.00 1.08 -8.72	22.00 1.10 -8.71	22.00 1.10 -8.72	23.45 1.06 -10.21	26.66 0.98 -13.49	31.78 0.93 -18.66	36.79 1.12 -21.13	36.49 1.33 -17.43	35.93 1.30 -16.85	30.40 1.14 -13.82	23.28 1.11 -6.74	20.17 0.55 -11.67
HUDSON___115KV_TB 4 355613	21.72 0.22 -13.23	20.40 0.21 -11.61	19.39 0.22 -11.13	19.23 0.22 -11.01	19.92 0.21 -11.74	21.20 0.25 -12.47	29.39 0.23 -21.18	31.94 0.41 -16.24	26.44 0.45 -10.61	21.85 0.45 -5.95	21.56 0.37 -7.08	21.10 0.30 -8.60	22.30 0.27 -9.85	22.53 0.29 -10.04	22.50 0.29 -10.02	24.40 0.32 -11.91	28.14 0.34 -15.61	34.29 0.38 -21.72	39.44 0.47 -24.43	39.21 0.62 -20.87	38.85 0.66 -20.41	32.73 0.56 -16.74	24.13 0.54 -8.16	22.34 0.25 -14.14
HUNTER MOUNT___DRP 323613	21.10 0.20 -12.63	19.84 0.17 -11.09	18.86 0.19 -10.62	18.70 0.18 -10.51	19.37 0.19 -11.21	20.62 0.24 -11.90	28.43 0.23 -20.22	31.22 0.43 -15.50	26.00 0.43 -10.18	21.60 0.43 -5.71	21.27 0.34 -6.81	20.70 0.28 -8.23	21.92 0.23 -9.50	22.13 0.28 -9.66	22.10 0.27 -9.64	23.91 0.30 -11.43	27.51 0.32 -15.00	33.40 0.35 -20.86	38.47 0.45 -23.48	38.32 0.64 -19.95	37.98 0.71 -19.48	31.98 0.57 -15.98	23.76 0.54 -7.79	21.70 0.25 -13.49
HUNTINGTON_RES_REC 323705	23.65 0.75 -14.62	21.14 0.80 -11.76	18.65 0.74 -9.87	17.99 0.71 -9.28	19.49 0.73 -10.79	24.87 0.78 -15.62	31.52 0.80 -22.74	32.20 1.53 -15.38	33.18 1.66 -16.14	31.54 1.56 -14.53	28.05 1.57 -12.37	26.06 1.24 -12.63	27.96 1.35 -14.41	26.94 1.34 -13.41	27.97 1.34 -14.44	28.47 1.29 -15.00	34.53 1.23 -21.10	39.15 1.21 -25.75	46.05 1.47 -30.04	38.74 1.79 -19.22	59.69 1.78 -40.13	34.57 1.44 -17.70	28.16 1.47 -11.26	29.19 0.74 -20.49
HUNTLEY___63 23557	10.05 0.12 -1.66	10.20 0.16 -1.45	9.61 0.18 -1.39	9.54 0.16 -1.38	9.56 0.12 -1.47	10.17 0.14 -1.56	10.59 -0.04 -2.65	16.70 -0.63 -2.03	16.05 -0.69 -1.35	15.42 -0.79 -0.76	14.42 -0.61 -0.91	12.68 -0.60 -1.09	12.92 -0.55 -1.28	12.90 -0.59 -1.29	12.85 -0.63 -1.29	13.03 -0.67 -1.52	13.57 -0.62 -2.00	14.50 -0.46 -2.78	16.97 -0.70 -3.13	19.45 -0.90 -2.63	19.43 -0.91 -2.55	16.77 -0.76 -2.10	15.77 -0.68 -1.02	9.79 0.07 -1.77
HUNTLEY___64 23558	10.05 0.12 -1.66	10.20 0.16 -1.45	9.61 0.18 -1.39	9.54 0.16 -1.38	9.56 0.12 -1.47	10.17 0.14 -1.56	10.59 -0.04 -2.65	16.70 -0.63 -2.03	16.05 -0.69 -1.35	15.42 -0.79 -0.76	14.42 -0.61 -0.91	12.68 -0.60 -1.09	12.92 -0.55 -1.28	12.90 -0.59 -1.29	12.85 -0.63 -1.29	13.03 -0.67 -1.52	13.57 -0.62 -2.00	14.50 -0.46 -2.78	16.97 -0.70 -3.13	19.45 -0.90 -2.63	19.43 -0.91 -2.55	16.77 -0.76 -2.10	15.77 -0.68 -1.02	9.79 0.07 -1.77
HUNTLEY___65 23559	10.05 0.12 -1.66	10.20 0.16 -1.45	9.61 0.18 -1.39	9.54 0.16 -1.38	9.56 0.12 -1.47	10.17 0.14 -1.56	10.59 -0.04 -2.65	16.70 -0.63 -2.03	16.05 -0.69 -1.35	15.42 -0.79 -0.76	14.42 -0.61 -0.91	12.68 -0.60 -1.09	12.92 -0.55 -1.28	12.90 -0.59 -1.29	12.85 -0.63 -1.29	13.03 -0.67 -1.52	13.57 -0.62 -2.00	14.50 -0.46 -2.78	16.97 -0.70 -3.13	19.45 -0.90 -2.63	19.43 -0.91 -2.55	16.77 -0.76 -2.10	15.77 -0.68 -1.02	9.79 0.07 -1.77
HUNTLEY___66 23560	10.05 0.12 -1.66	10.20 0.16 -1.45	9.61 0.18 -1.39	9.54 0.16 -1.38	9.56 0.12 -1.47	10.17 0.14 -1.56	10.59 -0.04 -2.65	16.70 -0.63 -2.03	16.05 -0.69 -1.35	15.42 -0.79 -0.76	14.42 -0.61 -0.91	12.68 -0.60 -1.09	12.92 -0.55 -1.28	12.90 -0.59 -1.29	12.85 -0.63 -1.29	13.03 -0.67 -1.52	13.57 -0.62 -2.00	14.50 -0.46 -2.78	16.97 -0.70 -3.13	19.45 -0.90 -2.63	19.43 -0.91 -2.55	16.77 -0.76 -2.10	15.77 -0.68 -1.02	9.79 0.07 -1.77
HUNTLEY___67 23561	10.07 0.07 -1.71	10.21 0.12 -1.51	9.62 0.14 -1.44	9.55 0.12 -1.43	9.59 0.10 -1.52	10.19 0.10 -1.62	10.67 -0.06 -2.75	16.75 -0.64 -2.10	16.08 -0.71 -1.40	15.44 -0.80 -0.79	14.44 -0.62 -0.94	12.72 -0.60 -1.12	12.95 -0.56 -1.32	12.94 -0.59 -1.34	12.90 -0.62 -1.34	13.10 -0.66 -1.57	13.65 -0.61 -2.07	14.60 -0.46 -2.87	17.09 -0.70 -3.24	19.53 -0.92 -2.72	19.52 -0.91 -2.64	16.83 -0.77 -2.17	15.79 -0.69 -1.06	9.84 0.06 -1.83
HUNTLEY___68 23562	10.07 0.07 -1.71	10.21 0.12 -1.51	9.62 0.14 -1.44	9.55 0.12 -1.43	9.59 0.10 -1.52	10.19 0.10 -1.62	10.67 -0.06 -2.75	16.75 -0.64 -2.10	16.08 -0.71 -1.40	15.44 -0.80 -0.79	14.44 -0.62 -0.94	12.72 -0.60 -1.12	12.95 -0.56 -1.32	12.94 -0.59 -1.34	12.90 -0.62 -1.34	13.10 -0.66 -1.57	13.65 -0.61 -2.07	14.60 -0.46 -2.87	17.09 -0.70 -3.24	19.53 -0.92 -2.72	19.52 -0.91 -2.64	16.83 -0.77 -2.17	15.79 -0.69 -1.06	9.84 0.06 -1.83
HYLAND___LFGE 323620	10.55 0.48 -1.80	10.63 0.48 -1.57	10.01 0.46 -1.51	9.94 0.45 -1.49	10.01 0.45 -1.59	10.72 0.55 -1.69	11.32 0.47 -2.87	18.03 0.50 -2.23	17.08 0.22 -1.48	16.44 0.15 -0.83	15.21 0.10 -0.99	13.34 -0.04 -1.19	13.45 -0.13 -1.39	13.40 -0.20 -1.41	13.44 -0.16 -1.40	13.67 -0.17 -1.66	14.34 -0.04 -2.18	15.34 0.12 -3.03	18.30 0.35 -3.42	21.16 0.55 -2.88	21.23 0.64 -2.81	18.16 0.43 -2.30	16.99 0.43 -1.12	10.38 0.49 -1.94
INDECK___CORINTH 23802	22.97 0.30 -14.39	21.57 0.32 -12.67	20.47 0.29 -12.14	20.30 0.28 -12.01	21.07 0.30 -12.81	22.44 0.36 -13.60	31.47 0.38 -23.11	33.67 0.66 -17.72	27.64 0.71 -11.55	22.50 0.57 -6.47	22.34 0.54 -7.69	21.96 0.39 -9.38	23.31 0.43 -10.69	23.55 0.44 -10.92	23.52 0.44 -10.89	25.60 0.46 -12.96	29.73 0.56 -16.97	36.45 0.62 -23.63	41.85 0.74 -26.57	41.38 0.90 -22.75	41.01 0.96 -22.27	34.47 0.77 -18.26	25.06 0.73 -8.90	23.72 0.34 -15.43
INDECK___ILION 23567	8.32 -0.01 -0.05	8.62 0.00 -0.04	8.08 -0.01 -0.04	8.04 -0.01 -0.04	8.00 -0.01 -0.04	8.53 0.01 -0.05	8.04 -0.02 -0.08	15.29 -0.06 -0.06	15.36 -0.06 -0.04	15.40 -0.08 -0.02	14.07 -0.07 -0.03	12.14 -0.09 -0.03	12.14 -0.09 -0.04	12.12 -0.11 -0.04	12.11 -0.12 -0.04	12.09 -0.13 -0.04	12.13 -0.12 -0.06	12.16 -0.12 -0.08	14.50 -0.11 -0.09	17.68 -0.13 -0.08	17.75 -0.12 -0.08	15.48 -0.11 -0.08	15.45 -0.02 -0.03	8.00 0.00 -0.05
INDECK___OLEAN 23982	10.36 0.12 -1.97	10.47 0.16 -1.73	9.87 0.17 -1.65	9.79 0.15 -1.64	9.83 0.12 -1.74	10.47 0.14 -1.85	11.18 0.06 -3.15	17.45 -0.29 -2.45	16.63 -0.38 -1.63	15.92 -0.45 -0.91	14.76 -0.45 -1.09	13.10 -0.40 -1.31	13.34 -0.38 -1.53	13.35 -0.39 -1.55	13.31 -0.43 -1.55	13.54 -0.46 -1.83	14.19 -0.40 -2.40	15.15 -0.37 -3.33	17.90 -0.39 -3.75	20.39 -0.50 -3.16	20.40 -0.46 -3.08	17.48 -0.48 -2.53	16.25 -0.42 -1.23	10.17 0.09 -2.13
INDECK___OSWEGO 23783	9.06 -0.17 -0.96	9.24 -0.18 -0.84	8.68 -0.17 -0.80	8.63 -0.17 -0.79	8.65 -0.17 -0.85	9.21 -0.16 -0.90	9.31 -0.19 -1.53	15.98 -0.47 -1.17	15.65 -0.51 -0.77	15.36 -0.53 -0.43	14.15 -0.48 -0.52	12.40 -0.41 -0.62	12.49 -0.43 -0.73	12.50 -0.43 -0.74	12.50 -0.43 -0.73	12.61 -0.44 -0.87	12.94 -0.39 -1.14	13.39 -0.39 -1.59	15.89 -0.44 -1.79	18.79 -0.44 -1.51	18.84 -0.41 -1.47	16.28 -0.35 -1.20	15.65 -0.37 -0.59	8.86 -0.11 -1.02

INDECK___YERKES 23781	10.04 0.12 -1.64	10.19 0.17 -1.44	9.61 0.19 -1.38	9.54 0.17 -1.37	9.55 0.13 -1.46	10.17 0.14 -1.55	10.57 -0.03 -2.63	16.72 -0.61 -2.04	16.02 -0.72 -1.36	15.49 -0.73 -0.76	14.31 -0.72 -0.92	12.70 -0.58 -1.10	12.91 -0.56 -1.28	12.91 -0.57 -1.30	12.86 -0.62 -1.29	13.05 -0.66 -1.53	13.59 -0.61 -2.01	14.34 -0.62 -2.77	16.97 -0.70 -3.12	19.46 -0.90 -2.64	19.46 -0.89 -2.57	16.80 -0.74 -2.11	15.80 -0.66 -1.03	9.81 0.08 -1.78
INDIAN POINT_GT_1 24139	19.64 0.48 -10.88	18.71 0.51 -9.62	17.72 0.47 -9.21	17.59 0.46 -9.12	18.15 0.46 -9.72	19.30 0.50 -10.33	26.01 0.49 -17.55	29.68 0.96 -13.43	25.60 1.14 -9.08	21.70 1.14 -5.10	21.37 1.09 -6.17	20.36 0.94 -7.23	21.85 0.95 -8.71	21.85 0.95 -8.71	21.84 0.94 -8.71	23.30 0.91 -10.21	26.54 0.87 -13.49	31.69 0.84 -18.66	36.66 1.00 -21.12	36.42 1.24 -17.45	35.87 1.21 -16.88	30.31 1.03 -13.84	23.18 1.00 -6.75	20.14 0.50 -11.69
INDIAN POINT_GT_2 23659	19.64 0.48 -10.88	18.71 0.51 -9.62	17.72 0.47 -9.21	17.59 0.46 -9.12	18.15 0.46 -9.72	19.30 0.50 -10.33	26.01 0.49 -17.55	29.68 0.96 -13.43	25.60 1.14 -9.08	21.70 1.14 -5.10	21.37 1.09 -6.17	20.36 0.94 -7.23	21.85 0.95 -8.71	21.85 0.95 -8.71	21.84 0.94 -8.71	23.30 0.91 -10.21	26.54 0.87 -13.49	31.69 0.84 -18.66	36.66 1.00 -21.12	36.42 1.24 -17.45	35.87 1.21 -16.88	30.31 1.03 -13.84	23.18 1.00 -6.75	20.14 0.50 -11.69
INDIAN POINT_GT_3 24019	19.64 0.48 -10.88	18.71 0.51 -9.62	17.72 0.47 -9.21	17.59 0.46 -9.12	18.15 0.46 -9.72	19.30 0.50 -10.33	26.01 0.49 -17.55	29.68 0.96 -13.43	25.60 1.14 -9.08	21.70 1.14 -5.10	21.37 1.09 -6.17	20.36 0.94 -7.23	21.85 0.95 -8.71	21.85 0.95 -8.71	21.84 0.94 -8.71	23.30 0.91 -10.21	26.54 0.87 -13.49	31.69 0.84 -18.66	36.66 1.00 -21.12	36.42 1.24 -17.45	35.87 1.21 -16.88	30.31 1.03 -13.84	23.18 1.00 -6.75	20.14 0.50 -11.69
INDIAN POINT___2 23530	19.49 0.49 -10.72	18.39 0.51 -9.30	17.42 0.47 -8.91	17.29 0.46 -8.82	17.84 0.46 -9.40	18.96 0.50 -9.99	25.43 0.49 -16.97	29.24 0.96 -12.98	25.28 1.12 -8.78	21.52 1.14 -4.93	21.17 1.09 -5.97	20.12 0.94 -6.99	21.54 0.94 -8.41	21.56 0.95 -8.42	21.54 0.94 -8.41	22.96 0.91 -9.86	26.09 0.87 -13.03	31.05 0.83 -18.03	35.95 1.00 -20.41	35.84 1.24 -16.87	35.32 1.23 -16.32	29.85 1.03 -13.38	22.96 1.00 -6.52	19.76 0.50 -11.30
INDIAN POINT___3 23531	19.56 0.48 -10.81	18.58 0.51 -9.49	17.60 0.47 -9.09	17.46 0.46 -8.99	18.03 0.47 -9.59	19.17 0.51 -10.18	25.78 0.49 -17.30	29.53 0.98 -13.26	25.49 1.12 -8.99	21.67 1.17 -5.05	21.30 1.07 -6.12	20.29 0.95 -7.15	21.77 0.95 -8.63	21.78 0.96 -8.62	21.77 0.95 -8.63	23.21 0.93 -10.10	26.42 0.88 -13.35	31.51 0.85 -18.47	36.47 1.02 -20.91	36.21 1.24 -17.25	35.66 1.21 -16.67	30.14 1.03 -13.67	23.10 1.00 -6.66	20.00 0.50 -11.55
INGHAM_C_115KV_TB7 356103	8.24 -0.09 -0.05	8.55 -0.08 -0.04	8.00 -0.08 -0.04	7.96 -0.08 -0.04	7.93 -0.08 -0.04	8.45 -0.07 -0.05	7.94 -0.11 -0.08	15.11 -0.24 -0.06	15.16 -0.26 -0.04	15.20 -0.28 -0.02	13.87 -0.27 -0.03	11.95 -0.27 -0.03	11.95 -0.28 -0.04	11.90 -0.33 -0.04	11.87 -0.35 -0.04	11.86 -0.37 -0.04	11.88 -0.37 -0.06	11.92 -0.35 -0.08	14.22 -0.41 -0.09	17.38 -0.43 -0.08	17.45 -0.41 -0.08	15.29 -0.20 -0.06	15.26 -0.20 -0.03	7.91 -0.10 -0.05
IP CORINTH___1 23988	23.06 0.30 -14.48	21.61 0.32 -12.71	20.51 0.29 -12.18	20.34 0.28 -12.05	21.12 0.29 -12.85	22.48 0.36 -13.65	31.54 0.37 -23.19	33.72 0.66 -17.77	27.69 0.69 -11.62	22.54 0.57 -6.51	22.33 0.47 -7.75	22.00 0.39 -9.42	23.34 0.37 -10.78	23.62 0.44 -11.00	23.60 0.44 -10.97	25.68 0.46 -13.03	29.84 0.56 -17.09	36.61 0.63 -23.78	42.03 0.74 -26.75	41.47 0.90 -22.84	41.08 0.96 -22.34	34.53 0.77 -18.32	25.09 0.73 -8.93	23.77 0.34 -15.47
IP___TICONDEROGA 23804	23.38 0.65 -14.46	21.94 0.67 -12.69	20.82 0.62 -12.16	20.63 0.60 -12.03	21.44 0.64 -12.83	22.85 0.75 -13.62	31.88 0.75 -23.15	34.38 1.35 -17.74	28.58 1.62 -11.58	23.37 1.42 -6.49	23.01 1.17 -7.72	22.55 0.96 -9.40	23.65 0.72 -10.74	23.97 0.82 -10.96	23.92 0.79 -10.94	26.03 0.85 -13.00	30.25 1.02 -17.04	37.06 1.16 -23.71	42.59 1.38 -26.67	42.17 1.65 -22.79	41.97 1.88 -22.30	35.28 1.56 -18.29	25.80 1.45 -8.92	24.11 0.71 -15.45
ISLIP_RES_REC 323679	23.73 0.83 -14.62	21.21 0.88 -11.76	18.73 0.81 -9.87	18.05 0.78 -9.28	19.57 0.81 -10.79	24.96 0.86 -15.62	31.62 0.90 -22.74	32.38 1.71 -15.38	33.35 1.83 -16.14	31.68 1.70 -14.53	28.18 1.69 -12.37	26.14 1.32 -12.63	28.05 1.45 -14.41	27.04 1.44 -13.41	28.07 1.44 -14.44	28.56 1.38 -15.00	34.62 1.33 -21.10	39.25 1.31 -25.75	46.17 1.59 -30.04	38.90 1.95 -19.22	59.85 1.94 -40.13	34.67 1.54 -17.70	28.28 1.59 -11.26	29.25 0.80 -20.49
JAMAICA__27_KV_LOAD 355505	19.74 0.54 -10.92	18.74 0.57 -9.59	17.74 0.51 -9.19	17.60 0.50 -9.09	18.17 0.51 -9.69	19.33 0.56 -10.30	26.05 0.57 -17.49	29.88 1.18 -13.41	25.84 1.37 -9.08	22.01 1.45 -5.10	21.55 1.26 -6.18	20.54 1.12 -7.22	22.02 1.11 -8.72	22.04 1.13 -8.71	22.03 1.12 -8.72	23.48 1.10 -10.21	26.70 1.01 -13.49	31.80 0.95 -18.66	36.82 1.15 -21.13	36.52 1.37 -17.43	35.97 1.33 -16.85	30.44 1.19 -13.82	23.36 1.19 -6.74	20.21 0.58 -11.67
JANIS___SOLAR 323808	11.27 0.37 -2.62	11.29 0.42 -2.29	10.63 0.39 -2.20	10.55 0.38 -2.17	10.67 0.38 -2.32	11.41 0.47 -2.46	12.60 0.44 -4.18	18.22 0.29 -2.64	17.30 0.17 -1.75	16.46 0.03 -0.98	15.22 -0.07 -1.17	13.51 -0.08 -1.41	13.75 -0.08 -1.64	13.77 -0.08 -1.66	13.78 -0.07 -1.66	14.07 -0.07 -1.96	14.80 0.02 -2.58	15.90 0.12 -3.58	18.84 0.26 -4.04	21.65 0.51 -3.41	21.68 0.59 -3.32	18.65 0.49 -2.72	17.24 0.48 -1.33	10.58 0.33 -2.30
JARVIS____ 23743	8.29 0.02 0.00	8.60 0.02 0.00	8.06 0.02 0.00	8.01 0.01 0.00	7.98 0.01 0.00	8.49 0.02 0.00	7.99 0.01 0.00	15.29 0.00 0.00	15.40 0.02 0.00	15.44 -0.02 0.00	14.11 0.00 0.00	12.18 -0.01 0.00	12.19 0.00 0.00	12.19 0.00 0.00	12.18 -0.01 0.00	12.17 -0.01 0.00	12.19 0.00 0.00	12.19 0.00 0.00	14.54 0.00 0.00	17.75 0.02 0.00	17.80 0.02 0.00	15.45 0.02 0.00	15.45 0.02 0.00	7.98 0.02 0.00
JENNISON___1 23625	12.82 0.42 -4.12	12.67 0.47 -3.62	11.94 0.43 -3.46	11.86 0.43 -3.43	12.06 0.43 -3.66	12.88 0.53 -3.88	15.06 0.49 -6.60	21.28 0.93 -5.06	19.58 0.82 -3.38	18.09 0.74 -1.90	17.09 0.69 -2.28	15.42 0.52 -2.71	15.91 0.52 -3.20	15.91 0.50 -3.22	15.85 0.44 -3.22	16.42 0.45 -3.79	17.69 0.50 -5.00	19.73 0.61 -6.93	23.11 0.74 -7.82	25.41 1.13 -6.54	25.33 1.19 -6.36	21.71 1.06 -5.21	19.02 1.05 -2.54	12.94 0.59 -4.40
JENNISON___2 23626	12.82 0.42 -4.12	12.67 0.47 -3.62	11.94 0.43 -3.46	11.86 0.43 -3.43	12.06 0.43 -3.66	12.88 0.53 -3.88	15.06 0.49 -6.60	21.28 0.93 -5.06	19.58 0.82 -3.38	18.09 0.74 -1.90	17.09 0.69 -2.28	15.42 0.52 -2.71	15.91 0.52 -3.20	15.91 0.50 -3.22	15.85 0.44 -3.22	16.42 0.45 -3.79	17.69 0.50 -5.00	19.73 0.61 -6.93	23.11 0.74 -7.82	25.41 1.13 -6.54	25.33 1.19 -6.36	21.71 1.06 -5.21	19.02 1.05 -2.54	12.94 0.59 -4.40

JERICO_RISE_WT_PWR 323719	8.22 -0.06 0.00	8.49 -0.09 0.00	7.95 -0.10 0.00	7.89 -0.11 0.00	7.80 -0.17 0.00	8.23 -0.25 0.00	7.80 -0.18 0.00	15.14 -0.15 0.00	15.08 -0.31 0.00	15.14 -0.31 0.00	13.79 -0.32 0.00	11.84 -0.35 0.00	11.86 -0.33 0.00	11.79 -0.40 0.00	11.76 -0.43 0.00	11.78 -0.40 0.00	11.75 -0.44 0.00	11.78 -0.41 0.00	14.09 -0.45 0.00	17.11 -0.62 0.00	17.00 -0.78 0.00	14.65 -0.79 0.00	14.60 -0.83 0.00	7.47 -0.49 0.00
KATONAH__115KV_46KV_TB4 355592	19.86 0.50 -11.08	18.86 0.55 -9.73	17.87 0.51 -9.32	17.73 0.50 -9.22	18.30 0.49 -9.83	19.44 0.52 -10.44	26.23 0.51 -17.74	29.93 1.04 -13.60	25.80 1.20 -9.21	21.82 1.19 -5.17	21.48 1.10 -6.27	20.49 0.98 -7.33	22.00 0.96 -8.85	22.02 0.99 -8.84	22.01 0.98 -8.84	23.48 0.95 -10.35	26.82 0.94 -13.69	32.06 0.94 -18.93	37.06 1.09 -21.43	36.74 1.33 -17.68	36.16 1.28 -17.09	30.55 1.10 -14.02	23.33 1.06 -6.83	20.31 0.52 -11.84
KCE_NY_1 323755	23.00 0.39 -14.34	21.61 0.40 -12.62	20.51 0.38 -12.09	20.34 0.37 -11.97	21.10 0.37 -12.76	22.46 0.43 -13.55	31.42 0.41 -23.02	33.67 0.73 -17.65	27.67 0.80 -11.49	22.59 0.70 -6.44	22.43 0.66 -7.65	22.04 0.51 -9.33	23.35 0.54 -10.62	23.60 0.55 -10.86	23.57 0.55 -10.84	25.63 0.56 -12.89	29.71 0.63 -16.89	36.38 0.67 -23.52	41.77 0.80 -26.43	41.36 0.97 -22.65	40.98 1.01 -22.18	34.47 0.85 -18.19	25.13 0.83 -8.87	23.72 0.41 -15.37
KCE_NY_6_ESR 323823	10.16 0.15 -1.74	10.30 0.20 -1.52	9.70 0.20 -1.46	9.63 0.18 -1.44	9.66 0.15 -1.54	10.28 0.17 -1.63	10.77 0.02 -2.78	17.00 -0.46 -2.16	16.25 -0.57 -1.44	15.67 -0.59 -0.81	14.49 -0.59 -0.97	12.86 -0.49 -1.16	13.08 -0.46 -1.35	13.08 -0.48 -1.37	13.03 -0.52 -1.37	13.23 -0.56 -1.61	13.81 -0.50 -2.12	14.61 -0.51 -2.93	17.30 -0.55 -3.31	19.79 -0.73 -2.79	19.81 -0.69 -2.72	17.04 -0.62 -2.23	15.98 -0.54 -1.09	9.95 0.11 -1.88
KEDC_PORT_JEFF_GT2 24210	23.70 0.79 -14.62	21.18 0.84 -11.76	18.69 0.78 -9.87	18.02 0.74 -9.28	19.52 0.77 -10.79	24.92 0.82 -15.62	31.56 0.84 -22.74	32.26 1.59 -15.38	33.23 1.71 -16.14	31.62 1.62 -14.54	28.09 1.61 -12.37	26.08 1.26 -12.63	27.98 1.38 -14.41	26.96 1.37 -13.41	27.99 1.37 -14.44	28.47 1.29 -15.00	34.53 1.23 -21.10	39.15 1.21 -25.75	46.05 1.47 -30.04	38.76 1.81 -19.22	59.71 1.80 -40.13	34.58 1.45 -17.70	28.19 1.50 -11.26	29.22 0.76 -20.50
KEDC_PORT_JEFF_GT3 24211	23.70 0.79 -14.62	21.18 0.84 -11.76	18.69 0.78 -9.87	18.02 0.74 -9.28	19.52 0.77 -10.79	24.92 0.82 -15.62	31.56 0.84 -22.74	32.26 1.59 -15.38	33.23 1.71 -16.14	31.62 1.62 -14.54	28.09 1.61 -12.37	26.08 1.26 -12.63	27.98 1.38 -14.41	26.96 1.37 -13.41	27.99 1.37 -14.44	28.47 1.29 -15.00	34.53 1.23 -21.10	39.15 1.21 -25.75	46.05 1.47 -30.04	38.76 1.81 -19.22	59.71 1.80 -40.13	34.58 1.45 -17.70	28.19 1.50 -11.26	29.22 0.76 -20.50
KEDC_GLWD_GT4 24219	23.53 0.63 -14.62	21.01 0.67 -11.76	18.53 0.62 -9.87	17.88 0.60 -9.28	19.37 0.61 -10.79	24.75 0.65 -15.62	31.36 0.64 -22.74	31.93 1.25 -15.38	32.93 1.41 -16.14	30.11 1.41 -13.25	27.85 1.37 -12.37	25.98 1.16 -12.63	27.80 1.20 -14.41	26.79 1.20 -13.41	27.81 1.18 -14.44	28.34 1.16 -15.00	34.38 1.08 -21.10	38.99 1.05 -25.75	45.86 1.28 -30.04	38.49 1.54 -19.22	59.45 1.53 -40.13	34.41 1.28 -17.70	27.94 1.25 -11.26	27.90 0.63 -19.32
KEDC_GLWD_GT5 24220	23.53 0.63 -14.62	21.01 0.67 -11.76	18.53 0.62 -9.87	17.88 0.60 -9.28	19.37 0.61 -10.79	24.75 0.65 -15.62	31.36 0.64 -22.74	31.93 1.25 -15.38	32.93 1.41 -16.14	30.11 1.41 -13.25	27.85 1.37 -12.37	25.98 1.16 -12.63	27.80 1.20 -14.41	26.79 1.20 -13.41	27.81 1.18 -14.44	28.34 1.16 -15.00	34.38 1.08 -21.10	38.99 1.05 -25.75	45.86 1.28 -30.04	38.49 1.54 -19.22	59.45 1.53 -40.13	34.41 1.28 -17.70	27.94 1.25 -11.26	27.90 0.63 -19.32
KENSICO____ 23655	19.68 0.50 -10.90	18.68 0.53 -9.57	17.70 0.49 -9.17	17.56 0.48 -9.07	18.13 0.49 -9.67	19.27 0.52 -10.27	25.94 0.51 -17.46	29.68 1.01 -13.38	25.62 1.17 -9.06	21.76 1.22 -5.09	21.38 1.10 -6.17	20.39 0.99 -7.21	21.87 0.98 -8.70	21.89 1.00 -8.70	21.87 0.99 -8.70	23.33 0.96 -10.19	26.56 0.90 -13.47	31.69 0.88 -18.62	36.67 1.05 -21.08	36.40 1.28 -17.40	35.86 1.26 -16.82	30.30 1.08 -13.79	23.19 1.03 -6.72	20.12 0.52 -11.65
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	18.05 0.52 -9.25	17.22 0.51 -8.12	16.29 0.47 -7.78	16.17 0.46 -7.70	16.66 0.48 -8.21	17.74 0.54 -8.72	23.30 0.51 -14.81	27.68 1.04 -11.35	24.14 1.11 -7.65	20.97 1.22 -4.29	20.37 1.07 -5.19	19.23 0.94 -6.10	20.43 0.94 -7.30	20.40 0.89 -7.32	20.40 0.89 -7.32	21.65 0.88 -8.59	24.33 0.79 -11.34	28.70 0.80 -15.70	33.29 0.99 -17.76	33.83 1.37 -14.73	33.42 1.37 -14.27	28.38 1.25 -11.70	22.33 1.19 -5.70	18.42 0.58 -9.88
KIAC_JFK_GT1 23816	19.76 0.49 -11.00	18.89 0.52 -9.78	17.89 0.47 -9.37	17.74 0.46 -9.28	18.33 0.47 -9.89	19.50 0.52 -10.50	26.36 0.53 -17.84	30.05 1.10 -13.66	25.95 1.32 -9.24	21.98 1.34 -5.19	21.64 1.24 -6.28	20.59 1.05 -7.35	22.14 1.08 -8.86	22.14 1.08 -8.86	22.12 1.07 -8.86	23.60 1.03 -10.38	26.86 0.95 -13.72	32.05 0.88 -18.98	37.06 1.03 -21.48	36.70 1.22 -17.75	36.14 1.19 -17.16	30.60 1.10 -14.08	23.41 1.11 -6.86	20.37 0.53 -11.89
KIAC_JFK_GT2 23817	19.76 0.49 -11.00	18.89 0.52 -9.78	17.89 0.47 -9.37	17.74 0.46 -9.28	18.33 0.47 -9.89	19.50 0.52 -10.50	26.36 0.53 -17.84	30.05 1.10 -13.66	25.95 1.32 -9.24	21.98 1.34 -5.19	21.64 1.24 -6.28	20.59 1.05 -7.35	22.14 1.08 -8.86	22.14 1.08 -8.86	22.12 1.07 -8.86	23.60 1.03 -10.38	26.86 0.95 -13.72	32.05 0.88 -18.98	37.06 1.03 -21.48	36.70 1.22 -17.75	36.14 1.19 -17.16	30.60 1.10 -14.08	23.41 1.11 -6.86	20.37 0.53 -11.89
KIAC_JFK____ 323774	19.76 0.49 -11.00	18.89 0.52 -9.78	17.89 0.47 -9.37	17.74 0.46 -9.28	18.33 0.47 -9.89	19.50 0.52 -10.50	26.36 0.53 -17.84	30.05 1.10 -13.66	25.95 1.32 -9.24	21.98 1.34 -5.19	21.64 1.24 -6.28	20.59 1.05 -7.35	22.14 1.08 -8.86	22.14 1.08 -8.86	22.12 1.07 -8.86	23.60 1.03 -10.38	26.86 0.95 -13.72	32.05 0.88 -18.98	37.06 1.03 -21.48	36.70 1.22 -17.75	36.14 1.19 -17.16	30.60 1.10 -14.08	23.41 1.11 -6.86	20.37 0.53 -11.89
KINTIGH____ 23543	9.88 0.07 -1.54	10.03 0.10 -1.35	9.46 0.12 -1.29	9.39 0.10 -1.28	9.42 0.09 -1.36	10.02 0.09 -1.45	10.38 -0.06 -2.46	16.63 -0.55 -1.89	16.02 -0.62 -1.26	15.46 -0.70 -0.70	14.44 -0.52 -0.85	12.70 -0.50 -1.01	12.91 -0.46 -1.19	12.90 -0.49 -1.20	12.87 -0.51 -1.20	13.04 -0.55 -1.41	13.55 -0.50 -1.86	14.38 -0.39 -2.58	16.85 -0.60 -2.91	19.39 -0.78 -2.44	19.41 -0.75 -2.37	16.73 -0.65 -1.94	15.81 -0.57 -0.95	9.67 0.07 -1.64
KNTFSRNC_46_KV_46KV_LOAD 80397	8.51 0.17 -0.06	8.77 0.14 -0.05	8.21 0.11 -0.05	8.16 0.10 -0.05	8.06 0.04 -0.06	8.53 -0.01 -0.06	8.13 0.05 -0.10	15.64 0.28 -0.08	15.48 0.05 -0.05	15.51 0.03 -0.03	14.09 -0.06 -0.03	12.13 -0.10 -0.04	12.12 -0.12 -0.05	12.08 -0.16 -0.05	12.08 -0.16 -0.05	12.13 -0.11 -0.06	12.11 -0.16 -0.07	12.14 -0.16 -0.10	14.57 -0.09 -0.12	17.67 -0.16 -0.10	17.54 -0.34 -0.10	15.03 -0.48 -0.08	14.90 -0.57 -0.04	7.67 -0.35 -0.07

LACHUTE___HYDRO 323717	23.29 0.65 -14.37	21.90 0.67 -12.65	20.78 0.62 -12.12	20.60 0.60 -12.00	21.40 0.64 -12.79	22.80 0.75 -13.58	31.80 0.75 -23.08	34.33 1.35 -17.69	28.52 1.63 -11.50	23.31 1.41 -6.45	23.03 1.26 -7.66	22.50 0.96 -9.34	23.61 0.78 -10.64	23.90 0.82 -10.89	23.85 0.79 -10.86	25.96 0.85 -12.93	30.15 1.02 -16.93	36.91 1.15 -23.58	42.42 1.38 -26.50	42.08 1.65 -22.71	41.90 1.88 -22.23	35.22 1.56 -18.23	25.77 1.45 -8.89	24.06 0.71 -15.40
LAWRNCAV_115KV_TB1 80681	7.95 -0.46 -0.13	8.21 -0.48 -0.11	7.71 -0.44 -0.11	7.71 -0.40 -0.11	7.71 -0.37 -0.12	8.12 -0.48 -0.12	7.82 -0.37 -0.21	14.98 -0.47 -0.16	14.81 -0.68 -0.11	14.88 -0.63 -0.06	13.61 -0.58 -0.07	11.76 -0.51 -0.09	11.77 -0.52 -0.10	11.74 -0.55 -0.10	11.74 -0.55 -0.10	11.79 -0.51 -0.12	11.82 -0.52 -0.16	11.87 -0.54 -0.22	14.28 -0.51 -0.25	17.15 -0.78 -0.21	17.17 -0.82 -0.20	15.00 -0.60 -0.17	14.88 -0.63 -0.08	7.66 -0.43 -0.14
LEDERLE___ 23769	19.32 0.52 -10.52	18.35 0.53 -9.24	17.37 0.48 -8.85	17.24 0.48 -8.76	17.79 0.49 -9.34	18.92 0.53 -9.92	25.34 0.52 -16.85	29.23 1.02 -12.91	25.26 1.14 -8.73	21.58 1.22 -4.90	21.15 1.10 -5.94	20.12 0.98 -6.95	21.54 0.98 -8.37	21.54 0.98 -8.37	21.54 0.98 -8.37	22.94 0.95 -9.81	26.05 0.89 -12.97	31.01 0.88 -17.94	35.89 1.05 -20.30	35.82 1.31 -16.78	35.31 1.30 -16.23	29.86 1.11 -13.31	23.00 1.08 -6.49	19.74 0.54 -11.24
LIGHTHSE_115KV_TB6 355974	8.99 -0.14 -0.85	9.19 -0.14 -0.75	8.63 -0.13 -0.71	8.57 -0.14 -0.71	8.60 -0.13 -0.75	9.16 -0.12 -0.80	9.21 -0.13 -1.36	15.95 -0.38 -1.04	15.63 -0.45 -0.69	15.33 -0.51 -0.39	14.14 -0.44 -0.47	12.37 -0.38 -0.56	12.47 -0.38 -0.66	12.47 -0.38 -0.66	12.47 -0.38 -0.66	12.56 -0.40 -0.78	12.84 -0.38 -1.03	13.30 -0.32 -1.42	15.78 -0.36 -1.61	18.77 -0.30 -1.35	18.90 -0.20 -1.31	16.34 -0.17 -1.07	15.76 -0.20 -0.52	8.82 -0.04 -0.91
LINDEN COGEN___ 23786	19.76 0.49 -11.00	18.90 0.54 -9.78	17.90 0.49 -9.37	17.76 0.48 -9.28	18.34 0.49 -9.89	19.49 0.51 -10.50	26.32 0.50 -17.84	29.97 1.02 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.86 0.95 -13.72	32.05 0.88 -18.98	37.07 1.05 -21.48	36.73 1.26 -17.75	36.17 1.23 -17.16	30.60 1.10 -14.08	23.36 1.06 -6.86	20.37 0.52 -11.89
LINDHRST_69_KV_BK1 356055	23.60 0.77 -14.55	20.97 0.82 -11.57	18.49 0.76 -9.69	17.83 0.73 -9.10	19.31 0.75 -10.59	24.69 0.81 -15.41	31.17 0.80 -22.39	31.95 1.53 -15.13	33.01 1.65 -15.98	30.47 1.62 -13.39	27.79 1.41 -12.27	25.95 1.26 -12.50	27.71 1.24 -14.27	26.79 1.34 -13.26	27.82 1.34 -14.29	28.30 1.29 -14.83	34.29 1.22 -20.88	38.82 1.19 -25.44	45.64 1.41 -29.69	38.37 1.74 -18.91	59.33 1.72 -39.82	34.31 1.44 -17.44	28.05 1.48 -11.14	28.02 0.76 -19.31
LIPA_MISC_IPP 23656	23.59 0.76 -14.55	20.95 0.81 -11.57	18.48 0.75 -9.69	17.81 0.71 -9.10	19.30 0.74 -10.59	24.68 0.79 -15.41	31.17 0.80 -22.39	31.92 1.50 -15.13	32.95 1.58 -15.98	30.50 1.58 -13.47	27.72 1.34 -12.27	25.89 1.19 -12.50	27.63 1.17 -14.27	26.72 1.27 -13.26	27.75 1.27 -14.29	28.21 1.21 -14.83	34.20 1.13 -20.88	38.77 1.15 -25.44	45.60 1.37 -29.69	38.32 1.68 -18.91	59.28 1.67 -39.82	34.25 1.37 -17.44	28.00 1.44 -11.14	28.06 0.72 -19.38
LISF___SOLAR 323691	23.68 0.78 -14.62	21.16 0.82 -11.76	18.68 0.76 -9.87	18.01 0.73 -9.28	19.51 0.75 -10.79	24.90 0.81 -15.62	31.53 0.81 -22.74	32.19 1.51 -15.38	33.13 1.61 -16.14	31.56 1.56 -14.55	27.98 1.50 -12.37	26.02 1.20 -12.63	27.87 1.27 -14.41	26.87 1.27 -13.41	27.90 1.27 -14.44	28.38 1.19 -15.00	34.44 1.15 -21.10	39.07 1.12 -25.75	45.97 1.38 -30.04	38.65 1.70 -19.22	59.61 1.69 -40.13	34.53 1.40 -17.70	28.14 1.45 -11.26	29.20 0.74 -20.51
LITTLE FALLS___HYD 24013	8.24 -0.09 -0.05	8.55 -0.08 -0.04	8.00 -0.08 -0.04	7.96 -0.08 -0.04	7.93 -0.08 -0.04	8.45 -0.07 -0.05	7.94 -0.11 -0.08	15.11 -0.24 -0.06	15.16 -0.26 -0.04	15.20 -0.28 -0.02	13.87 -0.27 -0.03	11.95 -0.27 -0.03	11.95 -0.28 -0.04	11.90 -0.33 -0.04	11.87 -0.35 -0.04	11.86 -0.37 -0.04	11.88 -0.37 -0.06	11.92 -0.35 -0.08	14.22 -0.41 -0.09	17.38 -0.43 -0.08	17.45 -0.41 -0.08	15.29 -0.20 -0.06	15.26 -0.20 -0.03	7.91 -0.10 -0.05
LITTLRIV_115KV_TB1 356100	8.02 -0.40 -0.14	8.29 -0.41 -0.12	7.78 -0.38 -0.12	7.78 -0.34 -0.12	7.78 -0.31 -0.12	8.20 -0.41 -0.13	7.90 -0.30 -0.22	15.10 -0.37 -0.17	14.91 -0.58 -0.11	14.99 -0.53 -0.06	13.73 -0.47 -0.08	11.84 -0.44 -0.09	11.86 -0.44 -0.11	11.80 -0.50 -0.11	11.80 -0.50 -0.11	11.84 -0.46 -0.13	11.90 -0.46 -0.17	11.96 -0.46 -0.23	14.38 -0.42 -0.26	17.33 -0.62 -0.22	17.34 -0.66 -0.22	15.18 -0.43 -0.18	15.06 -0.46 -0.09	7.74 -0.36 -0.15
LI_NEWBRDGE___DRP 323616	23.48 0.65 -14.55	20.84 0.70 -11.57	18.37 0.64 -9.69	17.71 0.62 -9.10	19.19 0.63 -10.59	24.57 0.68 -15.41	31.03 0.66 -22.39	31.71 1.28 -15.13	32.78 1.42 -15.98	30.40 1.42 -13.53	27.64 1.26 -12.27	25.83 1.13 -12.50	27.57 1.11 -14.27	26.64 1.18 -13.26	27.65 1.17 -14.29	28.14 1.13 -14.83	34.12 1.05 -20.88	38.65 1.02 -25.44	45.45 1.22 -29.69	38.12 1.49 -18.91	59.06 1.46 -39.82	34.11 1.23 -17.44	27.83 1.27 -11.14	28.02 0.64 -19.44
LOCKPORT_115KV_TB60_63_64 80432	9.93 0.07 -1.59	10.09 0.11 -1.40	9.51 0.13 -1.34	9.44 0.11 -1.32	9.46 0.08 -1.41	10.07 0.09 -1.50	10.43 -0.10 -2.55	16.51 -0.73 -1.95	15.84 -0.85 -1.30	15.22 -0.96 -0.73	14.24 -0.75 -0.88	12.51 -0.72 -1.04	12.74 -0.68 -1.23	12.72 -0.71 -1.24	12.68 -0.74 -1.24	12.86 -0.78 -1.46	13.37 -0.74 -1.92	14.29 -0.56 -2.66	16.72 -0.83 -3.01	19.19 -1.06 -2.52	19.18 -1.05 -2.45	16.56 -0.88 -2.01	15.61 -0.80 -0.98	9.67 0.02 -1.70
LOCKPORT___CC1 323769	9.94 0.07 -1.59	10.09 0.11 -1.39	9.51 0.13 -1.34	9.44 0.12 -1.32	9.47 0.09 -1.41	10.07 0.09 -1.50	10.43 -0.09 -2.54	16.55 -0.72 -1.98	15.85 -0.86 -1.32	15.31 -0.88 -0.74	14.17 -0.83 -0.89	12.56 -0.69 -1.06	12.76 -0.67 -1.24	12.77 -0.68 -1.26	12.73 -0.72 -1.26	12.91 -0.76 -1.49	13.44 -0.71 -1.95	14.16 -0.72 -2.69	16.77 -0.80 -3.03	19.24 -1.05 -2.55	19.26 -1.01 -2.49	16.61 -0.86 -2.04	15.66 -0.77 -0.99	9.71 0.03 -1.72
LOCKPORT___CC2 323770	9.94 0.07 -1.59	10.09 0.11 -1.39	9.51 0.13 -1.34	9.44 0.12 -1.32	9.47 0.09 -1.41	10.07 0.09 -1.50	10.43 -0.09 -2.54	16.55 -0.72 -1.98	15.85 -0.86 -1.32	15.31 -0.88 -0.74	14.17 -0.83 -0.89	12.56 -0.69 -1.06	12.76 -0.67 -1.24	12.77 -0.68 -1.26	12.73 -0.72 -1.26	12.91 -0.76 -1.49	13.44 -0.71 -1.95	14.16 -0.72 -2.69	16.77 -0.80 -3.03	19.24 -1.05 -2.55	19.26 -1.01 -2.49	16.61 -0.86 -2.04	15.66 -0.77 -0.99	9.71 0.03 -1.72
LOCKPORT___CC3 323771	9.94 0.07 -1.59	10.09 0.11 -1.39	9.51 0.13 -1.34	9.44 0.12 -1.32	9.47 0.09 -1.41	10.07 0.09 -1.50	10.43 -0.09 -2.54	16.55 -0.72 -1.98	15.85 -0.86 -1.32	15.31 -0.88 -0.74	14.17 -0.83 -0.89	12.56 -0.69 -1.06	12.76 -0.67 -1.24	12.77 -0.68 -1.26	12.73 -0.72 -1.26	12.91 -0.76 -1.49	13.44 -0.71 -1.95	14.16 -0.72 -2.69	16.77 -0.80 -3.03	19.24 -1.05 -2.55	19.26 -1.01 -2.49	16.61 -0.86 -2.04	15.66 -0.77 -0.99	9.71 0.03 -1.72

LONG_LAKE_PHOENIX 24014	9.10 -0.15 -0.97	9.28 -0.15 -0.86	8.72 -0.14 -0.82	8.66 -0.15 -0.81	8.69 -0.14 -0.86	9.26 -0.14 -0.92	9.39 -0.15 -1.56	16.09 -0.40 -1.20	15.76 -0.42 -0.80	15.45 -0.45 -0.45	14.26 -0.40 -0.54	12.46 -0.37 -0.64	12.58 -0.37 -0.75	12.57 -0.38 -0.76	12.58 -0.37 -0.76	12.70 -0.38 -0.89	13.04 -0.33 -1.18	13.53 -0.29 -1.63	16.01 -0.38 -1.84	18.90 -0.37 -1.55	18.95 -0.34 -1.50	16.36 -0.31 -1.23	15.72 -0.31 -0.60	8.91 -0.08 -1.04
LOVETT___3 23632	19.33 0.49 -10.57	18.36 0.50 -9.28	17.39 0.46 -8.89	17.25 0.45 -8.80	17.80 0.45 -9.38	18.93 0.49 -9.96	25.38 0.48 -16.92	29.21 0.95 -12.97	25.23 1.08 -8.77	21.52 1.14 -4.93	21.11 1.03 -5.96	20.09 0.91 -6.98	21.51 0.91 -8.41	21.53 0.93 -8.41	21.51 0.91 -8.41	22.92 0.89 -9.86	26.06 0.84 -13.02	31.02 0.82 -18.02	35.91 0.97 -20.39	35.80 1.22 -16.85	35.29 1.21 -16.30	29.82 1.02 -13.37	22.95 1.00 -6.52	19.75 0.50 -11.29
LOVETT___4 23642	19.33 0.49 -10.57	18.36 0.50 -9.28	17.39 0.46 -8.89	17.25 0.45 -8.80	17.80 0.45 -9.38	18.93 0.49 -9.96	25.38 0.48 -16.92	29.21 0.95 -12.97	25.23 1.08 -8.77	21.52 1.14 -4.93	21.11 1.03 -5.96	20.09 0.91 -6.98	21.51 0.91 -8.41	21.53 0.93 -8.41	21.51 0.91 -8.41	22.92 0.89 -9.86	26.06 0.84 -13.02	31.02 0.82 -18.02	35.91 0.97 -20.39	35.80 1.22 -16.85	35.29 1.21 -16.30	29.82 1.02 -13.37	22.95 1.00 -6.52	19.75 0.50 -11.29
LOVETT___5 23593	19.33 0.49 -10.57	18.36 0.50 -9.28	17.39 0.46 -8.89	17.25 0.45 -8.80	17.80 0.45 -9.38	18.93 0.49 -9.96	25.38 0.48 -16.92	29.21 0.95 -12.97	25.23 1.08 -8.77	21.52 1.14 -4.93	21.11 1.03 -5.96	20.09 0.91 -6.98	21.51 0.91 -8.41	21.53 0.93 -8.41	21.51 0.91 -8.41	22.92 0.89 -9.86	26.06 0.84 -13.02	31.02 0.82 -18.02	35.91 0.97 -20.39	35.80 1.22 -16.85	35.29 1.21 -16.30	29.82 1.02 -13.37	22.95 1.00 -6.52	19.75 0.50 -11.29
LOWER RAQUET___HYD 24057	7.77 -0.51 0.00	8.04 -0.54 0.00	7.55 -0.49 0.00	7.55 -0.46 0.00	7.54 -0.43 0.00	7.93 -0.54 0.00	7.56 -0.42 0.00	14.71 -0.58 0.00	14.60 -0.78 0.00	14.74 -0.71 0.00	13.42 -0.69 0.00	11.58 -0.61 0.00	11.56 -0.63 0.00	11.54 -0.65 0.00	11.54 -0.65 0.00	11.57 -0.61 0.00	11.57 -0.62 0.00	11.62 -0.57 0.00	13.93 -0.61 0.00	16.84 -0.89 0.00	16.86 -0.93 0.00	14.74 -0.69 0.00	14.71 -0.73 0.00	7.47 -0.49 0.00
LOWER___HUDSON 24059	22.56 0.29 -14.00	21.21 0.30 -12.33	20.13 0.28 -11.81	19.97 0.28 -11.69	20.71 0.28 -12.46	22.03 0.32 -13.23	30.75 0.30 -22.48	33.02 0.50 -17.23	27.13 0.58 -11.16	22.22 0.51 -6.25	22.03 0.51 -7.41	21.68 0.40 -9.09	22.87 0.41 -10.27	23.14 0.41 -10.53	23.11 0.41 -10.50	25.11 0.41 -12.52	29.02 0.45 -16.38	35.49 0.46 -22.83	40.73 0.55 -25.64	40.50 0.69 -22.08	40.15 0.71 -21.66	33.79 0.60 -17.76	24.71 0.62 -8.66	23.25 0.29 -15.00
LOWVILLE_115KV_TB2 356335	8.52 -0.12 -0.36	8.80 -0.09 -0.31	8.25 -0.10 -0.30	8.20 -0.10 -0.30	8.21 -0.08 -0.32	8.76 -0.05 -0.34	8.52 -0.03 -0.57	15.62 -0.11 -0.44	15.44 -0.23 -0.29	15.34 -0.28 -0.16	14.07 -0.24 -0.20	12.18 -0.24 -0.23	12.21 -0.26 -0.28	12.21 -0.26 -0.28	12.19 -0.28 -0.28	12.24 -0.27 -0.33	12.39 -0.23 -0.43	12.63 -0.16 -0.60	15.11 -0.10 -0.67	18.33 0.04 -0.57	18.40 0.07 -0.55	16.01 0.12 -0.45	15.75 0.09 -0.22	8.37 0.03 -0.38
LUTHERFT_115KV_GLOB_FND_222 355753	23.09 0.39 -14.42	21.64 0.40 -12.66	20.54 0.37 -12.13	20.36 0.36 -12.00	21.13 0.37 -12.80	22.49 0.42 -13.59	31.48 0.41 -23.09	33.71 0.72 -17.70	27.72 0.78 -11.55	22.62 0.70 -6.47	22.42 0.61 -7.70	22.07 0.51 -9.37	23.38 0.49 -10.71	23.67 0.55 -10.93	23.63 0.54 -10.90	25.69 0.55 -12.96	29.80 0.62 -16.99	36.51 0.67 -23.65	41.91 0.79 -26.59	41.42 0.96 -22.73	41.02 1.00 -22.25	34.52 0.85 -18.24	25.14 0.82 -8.89	23.77 0.41 -15.41
LUTHERNY_35_KV_BK2 355980	23.09 0.39 -14.42	21.64 0.40 -12.66	20.55 0.38 -12.13	20.37 0.37 -12.00	21.14 0.37 -12.80	22.50 0.43 -13.59	31.48 0.41 -23.09	33.72 0.73 -17.70	27.72 0.78 -11.55	22.64 0.71 -6.47	22.42 0.61 -7.70	22.07 0.51 -9.37	23.40 0.50 -10.71	23.67 0.55 -10.93	23.64 0.55 -10.90	25.70 0.56 -12.96	29.81 0.63 -16.99	36.52 0.68 -23.65	41.93 0.80 -26.59	41.44 0.98 -22.73	41.04 1.01 -22.25	34.52 0.85 -18.24	25.16 0.83 -8.89	23.77 0.41 -15.41
LWR___OSWEGATCHIE_HYD 23850	8.13 -0.42 -0.28	8.39 -0.43 -0.24	7.87 -0.40 -0.23	7.85 -0.38 -0.23	7.86 -0.36 -0.25	8.33 -0.41 -0.26	8.11 -0.31 -0.44	15.11 -0.52 -0.34	14.92 -0.69 -0.23	14.87 -0.71 -0.13	13.62 -0.65 -0.15	11.79 -0.59 -0.18	11.81 -0.60 -0.21	11.81 -0.60 -0.22	11.81 -0.60 -0.21	11.85 -0.58 -0.25	11.96 -0.56 -0.33	12.13 -0.52 -0.46	14.54 -0.52 -0.52	17.55 -0.62 -0.44	17.60 -0.60 -0.43	15.32 -0.46 -0.35	15.09 -0.51 -0.17	7.93 -0.32 -0.30
LYONS_FALL_HYD 23570	8.63 -0.02 -0.37	8.91 0.00 -0.33	8.35 -0.01 -0.31	8.30 -0.01 -0.31	8.30 0.00 -0.33	8.87 0.04 -0.35	8.61 0.04 -0.60	15.76 0.02 -0.45	15.61 -0.08 -0.30	15.53 -0.09 -0.17	14.20 -0.11 -0.20	12.35 -0.08 -0.24	12.35 -0.12 -0.28	12.36 -0.12 -0.29	12.33 -0.15 -0.29	12.39 -0.12 -0.34	12.55 -0.08 -0.44	12.77 -0.04 -0.62	15.25 0.01 -0.70	18.47 0.16 -0.59	18.55 0.20 -0.57	16.15 0.25 -0.47	15.86 0.20 -0.23	8.45 0.10 -0.40
MADISON___COUNTY_LFGE 323628	9.01 0.20 -0.53	9.27 0.22 -0.47	8.69 0.20 -0.45	8.64 0.19 -0.44	8.64 0.20 -0.47	9.24 0.26 -0.50	9.06 0.22 -0.85	16.28 0.34 -0.65	16.08 0.26 -0.44	15.94 0.25 -0.24	14.68 0.27 -0.29	12.72 0.18 -0.35	12.77 0.17 -0.41	12.75 0.15 -0.42	12.72 0.11 -0.41	12.81 0.15 -0.49	13.01 0.17 -0.64	13.32 0.23 -0.89	15.85 0.31 -1.01	19.11 0.53 -0.85	19.17 0.57 -0.82	16.65 0.54 -0.67	16.29 0.52 -0.33	8.82 0.29 -0.57
MALONE___115KV_TB1 356076	8.26 -0.10 -0.08	8.53 -0.13 -0.07	7.99 -0.13 -0.07	7.94 -0.13 -0.07	7.88 -0.17 -0.07	8.32 -0.24 -0.08	7.95 -0.16 -0.13	15.27 -0.12 -0.10	15.16 -0.29 -0.07	15.21 -0.28 -0.04	13.85 -0.31 -0.05	11.92 -0.33 -0.05	11.91 -0.34 -0.06	11.88 -0.38 -0.06	11.87 -0.39 -0.06	11.90 -0.35 -0.08	11.90 -0.39 -0.10	11.94 -0.39 -0.14	14.35 -0.35 -0.16	17.33 -0.53 -0.13	17.25 -0.66 -0.13	14.89 -0.65 -0.11	14.77 -0.71 -0.05	7.61 -0.44 -0.09
MAPLEWOD_115KV_TB3 80458	22.47 0.31 -13.88	21.09 0.32 -12.19	20.02 0.30 -11.67	19.85 0.30 -11.55	20.58 0.29 -12.32	21.89 0.33 -13.08	30.50 0.30 -22.23	32.85 0.52 -17.04	27.05 0.60 -11.06	22.22 0.57 -6.20	21.98 0.51 -7.35	21.63 0.44 -9.00	22.80 0.41 -10.20	23.07 0.44 -10.45	23.05 0.44 -10.42	25.03 0.44 -12.41	28.91 0.48 -16.25	35.34 0.51 -22.63	40.56 0.60 -25.42	40.30 0.73 -21.85	39.94 0.75 -21.42	33.64 0.65 -17.56	24.64 0.65 -8.56	23.10 0.31 -14.83
MAPLE RIDGE_WT_1 323574	8.13 -0.15 0.00	8.41 -0.17 0.00	7.87 -0.17 0.00	7.82 -0.18 0.00	7.76 -0.21 0.00	8.22 -0.25 0.00	7.75 -0.23 0.00	14.92 -0.37 0.00	15.03 -0.35 0.00	15.14 -0.31 0.00	13.82 -0.30 0.00	11.90 -0.29 0.00	11.89 -0.30 0.00	11.86 -0.33 0.00	11.85 -0.34 0.00	11.84 -0.34 0.00	11.85 -0.34 0.00	11.86 -0.33 0.00	14.12 -0.42 0.00	17.11 -0.62 0.00	17.05 -0.73 0.00	14.75 -0.68 0.00	14.74 -0.69 0.00	7.58 -0.37 0.00

MAPLE_RIDGE_WT_2 323611	8.13 -0.15 0.00	8.41 -0.17 0.00	7.87 -0.17 0.00	7.82 -0.18 0.00	7.76 -0.21 0.00	8.22 -0.25 0.00	7.75 -0.23 0.00	14.92 -0.37 0.00	15.03 -0.35 0.00	15.14 -0.31 0.00	13.82 -0.30 0.00	11.90 -0.29 0.00	11.89 -0.30 0.00	11.86 -0.33 0.00	11.85 -0.34 0.00	11.84 -0.34 0.00	11.85 -0.34 0.00	11.86 -0.33 0.00	14.12 -0.42 0.00	17.11 -0.62 0.00	17.05 -0.73 0.00	14.75 -0.68 0.00	14.74 -0.69 0.00	7.58 -0.37 0.00
MARBLE_RIVER_WT_PWR 323696	8.23 -0.05 0.00	8.49 -0.09 0.00	7.95 -0.10 0.00	7.89 -0.11 0.00	7.80 -0.17 0.00	8.23 -0.25 0.00	7.80 -0.18 0.00	15.12 -0.17 0.00	15.08 -0.31 0.00	15.13 -0.33 0.00	13.78 -0.34 0.00	11.83 -0.37 0.00	11.85 -0.34 0.00	11.78 -0.41 0.00	11.75 -0.44 0.00	11.76 -0.41 0.00	11.73 -0.46 0.00	11.76 -0.43 0.00	14.07 -0.47 0.00	17.09 -0.64 0.00	16.98 -0.80 0.00	14.63 -0.80 0.00	14.58 -0.85 0.00	7.46 -0.49 0.00
MARSHVLE_115KV_TB1 80742	26.61 0.68 -17.65	24.80 0.72 -15.50	23.54 0.65 -14.85	23.34 0.65 -14.69	24.30 0.66 -15.67	25.88 0.76 -16.64	37.00 0.75 -28.27	38.29 1.33 -21.67	30.95 1.29 -14.27	24.55 1.10 -8.00	24.63 0.96 -9.56	24.50 0.79 -11.52	26.32 0.79 -13.34	26.58 0.84 -13.55	26.53 0.82 -13.52	29.05 0.85 -16.02	34.18 0.95 -21.04	42.50 1.07 -29.24	48.78 1.31 -32.93	47.31 1.67 -27.91	46.72 1.71 -27.23	39.26 1.50 -22.34	27.74 1.42 -10.89	27.54 0.72 -18.86
MARSH_HILL_WT_PWR 323713	10.74 0.36 -2.10	10.82 0.39 -1.84	10.20 0.39 -1.77	10.11 0.36 -1.75	10.18 0.35 -1.86	10.85 0.40 -1.98	11.64 0.30 -3.36	18.13 0.23 -2.61	17.24 0.12 -1.73	16.55 0.12 -0.97	15.29 0.01 -1.16	13.60 0.01 -1.39	13.81 -0.01 -1.63	13.81 -0.02 -1.65	13.81 -0.02 -1.64	14.07 -0.05 -1.94	14.76 0.01 -2.56	15.77 0.04 -3.54	18.64 0.10 -4.00	21.28 0.18 -3.37	21.29 0.23 -3.28	18.29 0.17 -2.69	16.94 0.20 -1.31	10.59 0.37 -2.27
MCINTYRE_115KV_TB2 80467	8.11 -0.29 -0.12	8.39 -0.30 -0.11	7.87 -0.27 -0.10	7.87 -0.23 -0.10	7.87 -0.21 -0.11	8.29 -0.30 -0.12	7.99 -0.18 -0.20	15.29 -0.15 -0.15	15.11 -0.37 -0.10	15.15 -0.36 -0.06	13.87 -0.31 -0.07	11.98 -0.29 -0.08	11.98 -0.30 -0.09	11.97 -0.32 -0.09	11.98 -0.30 -0.09	12.02 -0.27 -0.11	12.07 -0.27 -0.15	12.13 -0.27 -0.20	14.58 -0.19 -0.23	17.55 -0.37 -0.19	17.56 -0.41 -0.19	15.34 -0.25 -0.15	15.23 -0.28 -0.08	7.83 -0.25 -0.13
MECO____69_KV_BK1 80468	25.82 0.86 -16.68	24.12 0.90 -14.64	22.89 0.82 -14.03	22.68 0.80 -13.88	23.61 0.84 -14.80	25.16 0.97 -15.72	35.52 0.84 -26.71	37.21 1.45 -20.47	30.24 1.38 -13.47	24.30 1.30 -7.55	24.22 1.09 -9.02	23.97 0.90 -10.88	25.70 0.93 -12.58	25.86 0.89 -12.78	25.81 0.87 -12.76	28.21 0.91 -15.12	33.11 1.07 -19.85	41.04 1.26 -27.59	47.17 1.56 -31.07	46.04 1.95 -26.36	45.54 2.03 -25.73	38.51 1.98 -21.10	27.54 1.82 -10.29	26.70 0.92 -17.82
MENANDS__115KV_TB5 355628	22.16 0.17 -13.70	20.79 0.18 -12.03	19.75 0.19 -11.52	19.59 0.18 -11.41	20.31 0.18 -12.16	21.60 0.20 -12.92	30.09 0.17 -21.95	32.40 0.29 -16.82	26.66 0.37 -10.90	21.95 0.39 -6.11	21.69 0.34 -7.24	21.37 0.30 -8.88	22.49 0.27 -10.04	22.76 0.28 -10.29	22.73 0.28 -10.26	24.69 0.28 -12.23	28.50 0.30 -16.00	34.80 0.30 -22.30	39.95 0.36 -25.05	39.71 0.43 -21.56	39.37 0.44 -21.14	33.16 0.39 -17.34	24.27 0.39 -8.45	22.78 0.18 -14.64
MG INDUSTRY__DRP 24185	21.92 0.25 -13.40	20.60 0.26 -11.76	19.57 0.26 -11.26	19.40 0.25 -11.15	20.10 0.25 -11.89	21.36 0.26 -12.62	29.65 0.22 -21.45	32.11 0.38 -16.44	26.59 0.45 -10.76	21.93 0.45 -6.03	21.69 0.40 -7.18	21.25 0.34 -8.71	22.50 0.32 -9.99	22.71 0.33 -10.19	22.67 0.32 -10.16	24.58 0.33 -12.07	28.37 0.35 -15.83	34.59 0.38 -22.02	39.75 0.44 -24.77	39.39 0.53 -21.14	39.02 0.57 -20.66	32.87 0.49 -16.95	24.20 0.51 -8.26	22.52 0.25 -14.31
MID__OSWEGATCHIE_HYD 23849	8.13 -0.42 -0.28	8.39 -0.43 -0.24	7.87 -0.40 -0.23	7.85 -0.38 -0.23	7.86 -0.36 -0.25	8.33 -0.41 -0.26	8.11 -0.31 -0.44	15.11 -0.52 -0.34	14.92 -0.69 -0.23	14.87 -0.71 -0.13	13.62 -0.65 -0.15	11.79 -0.59 -0.18	11.81 -0.60 -0.21	11.81 -0.60 -0.22	11.81 -0.60 -0.21	11.85 -0.58 -0.25	11.96 -0.56 -0.33	12.13 -0.52 -0.46	14.54 -0.52 -0.52	17.55 -0.62 -0.44	17.60 -0.60 -0.43	15.32 -0.46 -0.35	15.09 -0.51 -0.17	7.93 -0.32 -0.30
MID__RAQUETTE_HYD 23851	7.92 -0.50 -0.15	8.17 -0.54 -0.13	7.67 -0.50 -0.12	7.67 -0.46 -0.12	7.67 -0.43 -0.13	8.07 -0.54 -0.14	7.80 -0.41 -0.24	14.89 -0.58 -0.18	14.72 -0.78 -0.12	14.78 -0.74 -0.07	13.52 -0.68 -0.08	11.68 -0.61 -0.10	11.70 -0.61 -0.11	11.66 -0.65 -0.12	11.66 -0.65 -0.12	11.71 -0.61 -0.14	11.75 -0.62 -0.18	11.82 -0.62 -0.25	14.21 -0.61 -0.28	17.08 -0.89 -0.24	17.09 -0.92 -0.23	14.93 -0.69 -0.19	14.80 -0.73 -0.09	7.63 -0.49 -0.16
MILLIKEN__1 23584	10.62 0.20 -2.14	10.68 0.21 -1.88	10.05 0.20 -1.80	9.97 0.18 -1.78	10.06 0.19 -1.90	10.73 0.24 -2.02	11.63 0.22 -3.43	18.15 0.23 -2.63	17.32 0.18 -1.75	16.58 0.14 -0.98	15.39 0.10 -1.18	13.65 0.05 -1.41	13.91 0.06 -1.66	13.91 0.05 -1.67	13.92 0.06 -1.67	14.20 0.05 -1.97	14.88 0.10 -2.59	15.94 0.16 -3.59	18.80 0.20 -4.06	21.47 0.34 -3.40	21.50 0.41 -3.31	18.47 0.32 -2.71	17.09 0.34 -1.32	10.51 0.26 -2.29
MILLIKEN__2 23585	10.62 0.20 -2.14	10.68 0.21 -1.88	10.05 0.20 -1.80	9.97 0.18 -1.78	10.06 0.19 -1.90	10.73 0.24 -2.02	11.63 0.22 -3.43	18.15 0.23 -2.63	17.32 0.18 -1.75	16.58 0.14 -0.98	15.39 0.10 -1.18	13.65 0.05 -1.41	13.91 0.06 -1.66	13.91 0.05 -1.67	13.92 0.06 -1.67	14.20 0.05 -1.97	14.88 0.10 -2.59	15.94 0.16 -3.59	18.80 0.20 -4.06	21.47 0.34 -3.40	21.50 0.41 -3.31	18.47 0.32 -2.71	17.09 0.34 -1.32	10.51 0.26 -2.29
MILLIKEN__DIESEL 23629	10.62 0.20 -2.14	10.68 0.21 -1.88	10.05 0.20 -1.80	9.97 0.18 -1.78	10.06 0.19 -1.90	10.73 0.24 -2.02	11.63 0.22 -3.43	18.15 0.23 -2.63	17.32 0.18 -1.75	16.58 0.14 -0.98	15.39 0.10 -1.18	13.65 0.05 -1.41	13.91 0.06 -1.66	13.91 0.05 -1.67	13.92 0.06 -1.67	14.20 0.05 -1.97	14.88 0.10 -2.59	15.94 0.16 -3.59	18.80 0.20 -4.06	21.47 0.34 -3.40	21.50 0.41 -3.31	18.47 0.32 -2.71	17.09 0.34 -1.32	10.51 0.26 -2.29
MILLSEAT__LFGE 323607	9.91 0.15 -1.48	10.03 0.15 -1.30	9.45 0.17 -1.24	9.39 0.16 -1.23	9.42 0.14 -1.31	10.06 0.20 -1.39	10.39 0.05 -2.36	16.76 -0.37 -1.84	15.82 -0.88 -1.31	15.21 -0.97 -0.73	14.10 -0.89 -0.88	12.45 -0.79 -1.05	12.66 -0.76 -1.23	12.68 -0.76 -1.24	12.64 -0.79 -1.24	12.81 -0.84 -1.47	13.34 -0.78 -1.93	14.19 -0.50 -2.49	16.86 -0.49 -2.81	19.46 -0.64 -2.37	19.47 -0.62 -2.31	16.79 -0.54 -1.90	15.86 -0.49 -0.92	9.66 0.11 -1.60
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	19.66 0.49 -10.89	18.67 0.52 -9.56	17.68 0.47 -9.16	17.54 0.47 -9.07	18.10 0.47 -9.67	19.25 0.51 -10.26	25.91 0.49 -17.44	29.64 0.98 -13.37	25.57 1.14 -9.04	21.72 1.19 -5.08	21.34 1.07 -6.15	20.34 0.95 -7.20	21.82 0.95 -8.67	21.83 0.96 -8.67	21.83 0.96 -8.67	23.27 0.93 -10.16	26.50 0.88 -13.43	31.62 0.85 -18.58	36.59 1.02 -21.03	36.34 1.24 -17.37	35.81 1.23 -16.80	30.26 1.05 -13.78	23.17 1.02 -6.72	20.09 0.50 -11.64

MILLWOOD_13_KV_LOAD 356217	19.67 0.50 -10.89	18.68 0.54 -9.56	17.70 0.50 -9.16	17.56 0.49 -9.07	18.12 0.49 -9.67	19.26 0.52 -10.26	25.93 0.51 -17.44	29.67 1.01 -13.37	25.60 1.17 -9.04	21.74 1.21 -5.08	21.36 1.10 -6.15	20.36 0.98 -7.20	21.84 0.98 -8.67	21.85 0.99 -8.67	21.84 0.98 -8.67	23.29 0.95 -10.16	26.54 0.91 -13.43	31.67 0.90 -18.58	36.63 1.06 -21.03	36.39 1.29 -17.37	35.85 1.26 -16.80	30.29 1.08 -13.78	23.20 1.05 -6.72	20.11 0.52 -11.64
MODEL_CITY_ENERGY 24167	9.88 0.00 -1.60	10.03 0.04 -1.40	9.45 0.06 -1.34	9.38 0.05 -1.33	9.41 0.02 -1.42	10.01 0.03 -1.51	10.37 -0.17 -2.56	16.40 -0.89 -1.99	15.68 -1.03 -1.33	15.15 -1.05 -0.75	14.03 -0.97 -0.89	12.44 -0.82 -1.07	12.65 -0.79 -1.25	12.65 -0.80 -1.26	12.61 -0.84 -1.26	12.79 -0.88 -1.49	13.31 -0.84 -1.96	14.04 -0.85 -2.70	16.61 -0.97 -3.05	19.04 -1.26 -2.57	19.06 -1.23 -2.50	16.45 -1.03 -2.05	15.49 -0.94 -1.00	9.65 -0.04 -1.73
MODERN_LFGE_ 323580	9.88 0.00 -1.60	10.03 0.04 -1.40	9.45 0.06 -1.34	9.38 0.05 -1.33	9.41 0.02 -1.42	10.01 0.03 -1.51	10.37 -0.17 -2.56	16.40 -0.89 -1.99	15.68 -1.03 -1.33	15.15 -1.05 -0.75	14.03 -0.97 -0.89	12.44 -0.82 -1.07	12.65 -0.79 -1.25	12.65 -0.80 -1.26	12.61 -0.84 -1.26	12.79 -0.88 -1.49	13.31 -0.84 -1.96	14.04 -0.85 -2.70	16.61 -0.97 -3.05	19.04 -1.26 -2.57	19.06 -1.23 -2.50	16.45 -1.03 -2.05	15.49 -0.94 -1.00	9.65 -0.04 -1.73
MOHAWK_PAPER___DRP 24187	22.47 0.31 -13.88	21.09 0.32 -12.19	20.02 0.30 -11.67	19.85 0.30 -11.55	20.58 0.29 -12.32	21.89 0.33 -13.08	30.50 0.30 -22.23	32.85 0.52 -17.04	27.05 0.60 -11.06	22.22 0.57 -6.20	21.98 0.51 -7.35	21.63 0.44 -9.00	22.80 0.41 -10.20	23.07 0.44 -10.45	23.05 0.44 -10.42	25.03 0.44 -12.41	28.91 0.48 -16.25	35.34 0.51 -22.63	40.56 0.60 -25.42	40.30 0.73 -21.85	39.94 0.75 -21.42	33.64 0.65 -17.56	24.64 0.65 -8.56	23.10 0.31 -14.83
MOHICAN__35_KV_115KV_LD 80490	23.07 0.36 -14.44	21.63 0.37 -12.68	20.53 0.34 -12.14	20.35 0.33 -12.02	21.13 0.34 -12.82	22.50 0.42 -13.61	31.52 0.41 -23.12	33.75 0.73 -17.72	27.76 0.80 -11.57	22.62 0.68 -6.49	22.39 0.56 -7.72	22.05 0.48 -9.39	23.34 0.43 -10.73	23.64 0.50 -10.95	23.60 0.49 -10.92	25.67 0.51 -12.98	29.82 0.61 -17.02	36.57 0.69 -23.69	41.99 0.81 -26.64	41.49 0.99 -22.77	41.13 1.07 -22.28	34.58 0.88 -18.27	25.16 0.82 -8.91	23.78 0.40 -15.43
MONGAUP___HYD 23641	18.43 0.41 -9.74	17.35 0.40 -8.37	16.44 0.38 -8.01	16.30 0.37 -7.93	16.81 0.38 -8.46	17.90 0.44 -8.98	23.66 0.42 -15.26	27.77 0.81 -11.66	24.14 0.88 -7.88	20.76 0.88 -4.42	20.25 0.79 -5.35	19.14 0.67 -6.27	20.41 0.68 -7.54	20.42 0.68 -7.55	20.43 0.69 -7.55	21.71 0.68 -8.85	24.53 0.65 -11.69	28.97 0.60 -16.18	33.38 0.54 -18.30	33.64 0.76 -15.15	33.22 0.78 -14.66	28.26 0.80 -12.02	22.14 0.85 -5.86	18.58 0.47 -10.16
MONTAUK___DIESEL 23721	23.80 0.98 -14.55	21.19 1.04 -11.57	18.70 0.97 -9.69	18.03 0.93 -9.10	19.52 0.96 -10.59	24.91 1.02 -15.41	31.42 1.05 -22.39	32.40 1.97 -15.13	33.41 2.05 -15.98	30.88 1.96 -13.47	28.05 1.67 -12.27	26.13 1.44 -12.50	27.88 1.41 -14.27	27.05 1.60 -13.26	28.08 1.60 -14.29	28.57 1.56 -14.83	34.58 1.51 -20.88	39.14 1.51 -25.44	46.06 1.83 -29.69	38.88 2.25 -18.91	59.86 2.26 -39.82	34.67 1.79 -17.44	28.42 1.85 -11.14	28.26 0.93 -19.38
MOONROAD_115KV_HARTFLD_TB1-2 355988	10.62 0.44 -1.91	10.75 0.50 -1.67	10.13 0.48 -1.60	10.04 0.46 -1.59	10.07 0.41 -1.69	10.74 0.47 -1.80	11.36 0.34 -3.05	17.80 0.17 -2.34	17.03 0.09 -1.56	16.34 0.02 -0.87	15.24 0.07 -1.05	13.42 -0.02 -1.25	13.68 0.01 -1.47	13.63 -0.05 -1.49	13.55 -0.12 -1.48	13.75 -0.18 -1.75	14.37 -0.12 -2.30	15.46 0.07 -3.19	18.10 -0.04 -3.61	20.72 -0.04 -3.02	20.68 -0.04 -2.94	17.80 -0.05 -2.41	16.58 -0.03 -1.18	10.32 0.33 -2.04
MORTIMER_115KV_TB3 55949	9.75 0.11 -1.36	9.89 0.11 -1.20	9.31 0.12 -1.15	9.25 0.11 -1.13	9.28 0.10 -1.21	9.90 0.14 -1.28	10.20 0.04 -2.18	16.72 -0.24 -1.67	16.21 -0.29 -1.11	15.71 -0.37 -0.62	14.61 -0.25 -0.75	12.82 -0.27 -0.89	13.00 -0.24 -1.05	13.01 -0.24 -1.06	12.98 -0.27 -1.06	13.14 -0.29 -1.25	13.59 -0.24 -1.65	14.30 -0.17 -2.28	16.83 -0.29 -2.58	19.52 -0.37 -2.16	19.53 -0.36 -2.10	16.83 -0.32 -1.72	15.98 -0.29 -0.84	9.53 0.12 -1.46
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	19.73 0.53 -10.93	18.74 0.57 -9.59	17.75 0.51 -9.19	17.60 0.50 -9.09	18.17 0.51 -9.70	19.32 0.54 -10.30	26.01 0.53 -17.50	29.77 1.07 -13.41	25.73 1.26 -9.08	21.88 1.33 -5.10	21.51 1.21 -6.18	20.50 1.08 -7.22	21.99 1.07 -8.72	22.00 1.10 -8.72	21.99 1.08 -8.72	23.43 1.05 -10.21	26.66 0.98 -13.50	31.79 0.94 -18.66	36.81 1.13 -21.13	36.53 1.37 -17.43	35.97 1.33 -16.85	30.40 1.14 -13.82	23.27 1.10 -6.74	20.18 0.55 -11.67
MUNSVILLE_WIND_PWR 323609	11.79 0.58 -2.93	11.81 0.66 -2.57	11.11 0.61 -2.46	11.04 0.61 -2.43	11.17 0.61 -2.59	11.99 0.75 -2.76	13.36 0.70 -4.68	21.98 1.67 -5.02	20.12 1.41 -3.32	18.60 1.28 -1.86	17.48 1.13 -2.23	15.79 0.93 -2.68	16.15 0.84 -3.12	16.18 0.83 -3.16	16.07 0.72 -3.16	16.65 0.74 -3.73	17.94 0.84 -4.91	19.97 0.96 -6.81	23.50 1.28 -7.68	26.21 2.00 -6.48	26.17 2.08 -6.31	22.55 1.94 -5.18	19.88 1.93 -2.52	13.34 1.02 -4.37
N SALMON___HYD 24042	8.18 -0.10 0.00	8.45 -0.13 0.00	7.91 -0.13 0.00	7.87 -0.13 0.00	7.80 -0.17 0.00	8.24 -0.24 0.00	7.82 -0.16 0.00	15.17 -0.12 0.00	15.08 -0.31 0.00	15.19 -0.26 0.00	13.82 -0.30 0.00	11.86 -0.33 0.00	11.87 -0.32 0.00	11.81 -0.38 0.00	11.80 -0.39 0.00	11.83 -0.35 0.00	11.80 -0.39 0.00	11.85 -0.34 0.00	14.19 -0.35 0.00	17.20 -0.53 0.00	17.12 -0.66 0.00	14.78 -0.65 0.00	14.72 -0.71 0.00	7.52 -0.44 0.00
N.AKRON__115KV_KNAPP 355671	9.95 0.15 -1.52	10.09 0.17 -1.34	9.51 0.19 -1.28	9.45 0.18 -1.27	9.47 0.15 -1.35	10.10 0.19 -1.44	10.44 0.02 -2.44	16.70 -0.46 -1.87	15.86 -0.77 -1.25	15.24 -0.91 -0.70	14.26 -0.69 -0.84	12.49 -0.69 -1.00	12.71 -0.66 -1.18	12.70 -0.68 -1.19	12.66 -0.72 -1.19	12.82 -0.76 -1.40	13.33 -0.71 -1.84	14.35 -0.39 -2.55	16.84 -0.58 -2.88	19.38 -0.76 -2.42	19.40 -0.73 -2.35	16.74 -0.62 -1.93	15.82 -0.56 -0.94	9.69 0.11 -1.63
N.BELMOR_69_KV_BK1 55787	23.52 0.70 -14.55	20.89 0.74 -11.57	18.41 0.68 -9.69	17.75 0.66 -9.10	19.24 0.68 -10.59	24.61 0.72 -15.41	31.07 0.70 -22.39	31.79 1.36 -15.13	32.86 1.49 -15.98	30.20 1.50 -13.25	27.69 1.31 -12.27	25.87 1.18 -12.50	27.62 1.16 -14.27	26.70 1.24 -13.26	27.72 1.23 -14.29	28.20 1.19 -14.83	34.20 1.13 -20.88	38.73 1.10 -25.44	45.54 1.31 -29.69	38.25 1.61 -18.91	59.19 1.58 -39.82	34.19 1.31 -17.44	27.90 1.33 -11.14	27.81 0.68 -19.18
N.E._GEN_SANDY PD 24062	21.16 0.34 -12.54	20.00 0.35 -11.07	18.97 0.32 -10.60	18.82 0.33 -10.49	19.48 0.32 -11.19	20.73 0.37 -11.88	28.50 0.33 -20.19	31.35 0.60 -15.46	25.04 0.71 -8.95	21.10 0.66 -4.98	20.30 0.65 -5.54	20.50 0.55 -7.76	20.00 0.56 -7.25	20.80 0.56 -8.05	20.70 0.55 -7.96	22.70 0.54 -9.99	25.42 0.54 -12.69	30.80 0.52 -18.09	35.00 0.62 -19.83	37.65 0.78 -19.14	38.00 0.78 -19.44	32.05 0.68 -15.94	23.91 0.71 -7.77	21.75 0.33 -13.46

N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.32 0.50 -10.55	18.35 0.51 -9.26	17.38 0.47 -8.87	17.24 0.46 -8.78	17.79 0.46 -9.36	18.92 0.50 -9.94	25.37 0.49 -16.89	29.22 0.98 -12.95	25.23 1.09 -8.76	21.54 1.17 -4.92	21.12 1.06 -5.95	20.10 0.94 -6.97	21.51 0.93 -8.39	21.52 0.94 -8.40	21.52 0.94 -8.39	22.93 0.91 -9.84	26.05 0.85 -13.00	31.02 0.84 -17.99	35.90 1.00 -20.36	35.79 1.24 -16.83	35.30 1.24 -16.28	29.83 1.05 -13.35	22.97 1.03 -6.51	19.73 0.51 -11.27
N. QUEENS_27_KV_LOAD 356247	19.74 0.54 -10.92	18.73 0.56 -9.59	17.74 0.51 -9.19	17.58 0.49 -9.09	18.16 0.49 -9.70	19.28 0.51 -10.30	25.95 0.48 -17.49	29.68 0.98 -13.41	25.67 1.20 -9.08	21.85 1.30 -5.10	21.48 1.19 -6.18	20.48 1.06 -7.22	21.97 1.06 -8.72	21.98 1.07 -8.72	21.98 1.07 -8.72	23.41 1.02 -10.21	26.64 0.95 -13.50	31.74 0.89 -18.66	36.76 1.09 -21.13	36.46 1.29 -17.43	35.88 1.24 -16.85	30.29 1.03 -13.82	23.17 1.00 -6.74	20.18 0.56 -11.67
N. TROY___115KV_TB1 355778	22.60 0.29 -14.03	21.20 0.30 -12.32	20.12 0.28 -11.80	19.96 0.28 -11.68	20.70 0.28 -12.45	22.02 0.32 -13.22	30.74 0.30 -22.46	33.01 0.50 -17.22	27.12 0.58 -11.16	22.23 0.53 -6.25	21.99 0.47 -7.41	21.68 0.40 -9.09	22.85 0.39 -10.26	23.13 0.41 -10.53	23.10 0.41 -10.50	25.11 0.41 -12.51	29.02 0.45 -16.37	35.49 0.48 -22.82	40.72 0.55 -25.62	40.47 0.67 -22.07	40.13 0.71 -21.64	33.78 0.60 -17.75	24.70 0.62 -8.65	23.24 0.29 -14.99
NARROWS_GT1_1 24228	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT1_2 24229	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT1_3 24230	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT1_4 24231	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT1_5 24232	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT1_6 24233	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT1_7 24234	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT1_8 24235	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT2_1 24236	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT2_2 24237	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT2_3 24238	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT2_4 24239	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89

NARROWS_GT2_5 24240	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT2_6 24241	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT2_7 24242	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NARROWS_GT2_8 24243	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	21.10 0.20 -12.63	19.84 0.17 -11.09	18.86 0.19 -10.62	18.70 0.18 -10.51	19.37 0.19 -11.21	20.62 0.24 -11.90	28.43 0.23 -20.22	31.22 0.43 -15.50	26.00 0.43 -10.18	21.60 0.43 -5.71	21.27 0.34 -6.81	20.70 0.28 -8.23	21.92 0.23 -9.50	22.13 0.28 -9.66	22.10 0.27 -9.64	23.91 0.30 -11.43	27.51 0.32 -15.00	33.40 0.35 -20.86	38.47 0.45 -23.48	38.32 0.64 -19.95	37.98 0.71 -19.48	31.98 0.57 -15.98	23.76 0.54 -7.79	21.70 0.25 -13.49
NCHELSEA_115KV_TR2 355582	19.76 0.50 -10.99	18.73 0.51 -9.65	17.75 0.47 -9.24	17.61 0.46 -9.15	18.19 0.47 -9.75	19.35 0.52 -10.36	26.08 0.51 -17.59	29.79 1.01 -13.49	25.62 1.11 -9.13	21.75 1.17 -5.13	21.36 1.04 -6.21	20.37 0.91 -7.26	21.86 0.91 -8.75	21.87 0.93 -8.75	21.86 0.91 -8.75	23.34 0.90 -10.26	26.58 0.83 -13.56	31.77 0.83 -18.75	36.75 0.99 -21.22	36.57 1.31 -17.53	36.05 1.32 -16.95	30.44 1.11 -13.90	23.29 1.08 -6.78	20.23 0.53 -11.74
NEG CAPITAL___MECHNVIL 23645	22.90 0.39 -14.23	21.51 0.40 -12.53	20.43 0.38 -12.00	20.25 0.37 -11.88	21.01 0.37 -12.67	22.36 0.43 -13.45	31.25 0.41 -22.86	33.54 0.73 -17.52	27.57 0.80 -11.39	22.53 0.70 -6.38	22.35 0.66 -7.57	21.97 0.52 -9.26	23.24 0.54 -10.51	23.50 0.55 -10.76	23.47 0.55 -10.73	25.51 0.56 -12.77	29.55 0.63 -16.73	36.16 0.67 -23.30	41.52 0.80 -26.18	41.18 0.97 -22.47	40.81 1.01 -22.02	34.36 0.86 -18.06	25.07 0.83 -8.80	23.61 0.41 -15.25
NEG CENTRAL_HIGH_ACRES 23767	9.55 -0.04 -1.32	9.70 -0.03 -1.15	9.12 -0.02 -1.10	9.06 -0.03 -1.09	9.10 -0.03 -1.17	9.71 -0.01 -1.24	10.01 -0.07 -2.10	16.54 -0.38 -1.63	16.01 -0.45 -1.08	15.59 -0.46 -0.60	14.40 -0.44 -0.72	12.68 -0.38 -0.87	12.84 -0.37 -1.01	12.85 -0.37 -1.02	12.83 -0.38 -1.02	12.99 -0.40 -1.21	13.43 -0.35 -1.59	14.02 -0.38 -2.21	16.62 -0.41 -2.49	19.35 -0.48 -2.10	19.38 -0.44 -2.05	16.69 -0.42 -1.68	15.85 -0.40 -0.82	9.38 0.01 -1.42
NEG CENTRAL___DRP 24199	9.82 0.11 -1.44	9.96 0.11 -1.26	9.37 0.11 -1.21	9.30 0.10 -1.20	9.35 0.10 -1.28	9.98 0.14 -1.36	10.39 0.10 -2.31	17.09 0.03 -1.77	16.54 -0.02 -1.18	16.07 -0.05 -0.66	14.86 -0.04 -0.79	13.04 -0.10 -0.94	13.22 -0.09 -1.11	13.21 -0.10 -1.12	13.23 -0.09 -1.12	13.39 -0.11 -1.32	13.87 -0.06 -1.74	14.62 0.01 -2.41	17.25 -0.01 -2.72	20.06 0.05 -2.28	20.11 0.11 -2.22	17.32 0.06 -1.82	16.38 0.06 -0.89	9.66 0.17 -1.54
NEG CENTRAL___INDECK 23768	10.48 0.41 -1.80	10.57 0.41 -1.58	9.96 0.40 -1.51	9.88 0.38 -1.49	9.94 0.38 -1.59	10.63 0.46 -1.69	11.20 0.35 -2.87	17.85 0.32 -2.23	17.02 0.15 -1.48	16.41 0.12 -0.83	15.15 0.04 -0.99	13.38 0.00 -1.19	13.52 -0.06 -1.39	13.51 -0.08 -1.41	13.52 -0.07 -1.41	13.74 -0.10 -1.66	14.38 0.00 -2.18	15.27 0.05 -3.03	18.16 0.20 -3.42	20.91 0.30 -2.88	20.96 0.37 -2.81	18.01 0.28 -2.30	16.85 0.29 -1.12	10.32 0.42 -1.95
NEG CENTRAL___SENECA 23627	10.02 0.18 -1.56	10.15 0.20 -1.37	9.55 0.19 -1.31	9.48 0.18 -1.30	9.54 0.18 -1.38	10.18 0.24 -1.47	10.64 0.17 -2.50	17.31 0.11 -1.91	16.70 0.05 -1.27	16.18 0.02 -0.71	15.00 0.03 -0.86	13.16 -0.05 -1.02	13.37 -0.02 -1.20	13.33 -0.07 -1.21	13.34 -0.06 -1.21	13.52 -0.09 -1.43	14.05 -0.02 -1.88	14.86 0.06 -2.61	17.53 0.04 -2.95	20.31 0.11 -2.47	20.35 0.16 -2.40	17.54 0.14 -1.97	16.53 0.14 -0.96	9.86 0.25 -1.67
NEG CENTRAL___STATE_STREET 24147	9.77 0.05 -1.44	9.90 0.05 -1.26	9.31 0.06 -1.21	9.24 0.04 -1.20	9.29 0.05 -1.28	9.92 0.08 -1.36	10.42 0.14 -2.31	17.18 0.12 -1.77	16.65 0.09 -1.18	16.07 -0.05 -0.66	14.86 -0.04 -0.79	13.06 -0.07 -0.94	13.24 -0.06 -1.11	13.32 0.01 -1.12	13.35 0.04 -1.12	13.51 0.01 -1.32	13.99 0.06 -1.74	14.71 0.11 -2.41	17.37 0.10 -2.72	20.23 0.21 -2.29	20.29 0.28 -2.22	17.35 0.09 -1.82	16.41 0.09 -0.89	9.63 0.14 -1.54
NEG MILLWOOD___DRP 24198	19.91 0.52 -11.11	18.89 0.56 -9.76	17.90 0.51 -9.35	17.76 0.51 -9.25	18.33 0.50 -9.86	19.48 0.53 -10.47	26.30 0.53 -17.80	30.00 1.07 -13.64	25.82 1.20 -9.24	21.85 1.21 -5.19	21.51 1.12 -6.28	20.51 0.98 -7.35	22.02 0.96 -8.87	22.04 0.99 -8.86	22.03 0.98 -8.86	23.51 0.95 -10.38	26.84 0.93 -13.72	32.11 0.94 -18.98	37.12 1.09 -21.49	36.84 1.38 -17.73	36.28 1.35 -17.14	30.63 1.14 -14.06	23.40 1.11 -6.85	20.36 0.53 -11.88
NEG NORTH_FLCN_SEA 23793	8.52 0.18 -0.06	8.79 0.15 -0.05	8.22 0.13 -0.05	8.17 0.11 -0.05	8.07 0.05 -0.06	8.53 -0.01 -0.06	8.13 0.06 -0.10	15.66 0.29 -0.08	15.53 0.09 -0.05	15.51 0.03 -0.03	14.11 -0.04 -0.03	12.15 -0.09 -0.04	12.14 -0.10 -0.05	12.12 -0.12 -0.05	12.10 -0.13 -0.05	12.15 -0.09 -0.06	12.13 -0.13 -0.07	12.15 -0.15 -0.10	14.59 -0.07 -0.12	17.67 -0.16 -0.10	17.54 -0.34 -0.10	15.02 -0.49 -0.08	14.90 -0.57 -0.04	7.68 -0.34 -0.07
NEG NORTH_KES_CHATEGAY 23792	8.31 -0.03 -0.06	8.58 -0.06 -0.05	8.02 -0.07 -0.05	7.97 -0.09 -0.05	7.88 -0.14 -0.06	8.32 -0.21 -0.06	7.93 -0.15 -0.10	15.25 -0.12 -0.08	15.16 -0.28 -0.05	15.17 -0.31 -0.03	13.80 -0.35 -0.03	11.89 -0.34 -0.04	11.87 -0.37 -0.05	11.84 -0.40 -0.05	11.82 -0.41 -0.05	11.85 -0.39 -0.06	11.85 -0.41 -0.07	11.87 -0.43 -0.10	14.25 -0.41 -0.12	17.26 -0.57 -0.10	17.17 -0.71 -0.10	14.77 -0.74 -0.08	14.67 -0.80 -0.04	7.55 -0.47 -0.07

NEG NORTH___ALICE_FALLS 23915	8.51 0.17 -0.06	8.77 0.14 -0.05	8.21 0.11 -0.05	8.16 0.10 -0.05	8.06 0.04 -0.06	8.53 -0.01 -0.06	8.13 0.05 -0.10	15.64 0.28 -0.08	15.48 0.05 -0.05	15.51 0.03 -0.03	14.09 -0.06 -0.03	12.13 -0.10 -0.04	12.12 -0.12 -0.05	12.08 -0.16 -0.05	12.08 -0.16 -0.05	12.13 -0.11 -0.06	12.11 -0.16 -0.07	12.14 -0.16 -0.10	14.57 -0.09 -0.12	17.67 -0.16 -0.10	17.54 -0.34 -0.10	15.03 -0.48 -0.08	14.90 -0.57 -0.04	7.67 -0.35 -0.07
NEG NORTH___LWR_SARANAC 23913	8.51 0.17 -0.06	8.77 0.14 -0.05	8.21 0.11 -0.05	8.16 0.10 -0.05	8.06 0.04 -0.06	8.53 -0.01 -0.06	8.13 0.05 -0.10	15.64 0.28 -0.08	15.48 0.05 -0.05	15.51 0.03 -0.03	14.09 -0.06 -0.03	12.13 -0.10 -0.04	12.12 -0.12 -0.05	12.08 -0.16 -0.05	12.08 -0.16 -0.05	12.13 -0.11 -0.06	12.11 -0.16 -0.07	12.14 -0.16 -0.10	14.57 -0.09 -0.12	17.67 -0.16 -0.10	17.54 -0.34 -0.10	15.03 -0.48 -0.08	14.90 -0.57 -0.04	7.67 -0.35 -0.07
NEG NORTH___PLATTSBURG 23628	8.45 0.17 0.00	8.72 0.14 0.00	8.16 0.11 0.00	8.11 0.10 0.00	8.01 0.04 0.00	8.47 -0.01 0.00	8.03 0.05 0.00	15.57 0.28 0.00	15.43 0.05 0.00	15.50 0.05 0.00	14.11 0.00 0.00	12.09 -0.10 0.00	12.12 -0.07 0.00	12.03 -0.16 0.00	12.03 -0.16 0.00	12.07 -0.11 0.00	12.03 -0.16 0.00	12.07 -0.12 0.00	14.45 -0.09 0.00	17.57 -0.16 0.00	17.44 -0.34 0.00	14.95 -0.48 0.00	14.86 -0.57 0.00	7.61 -0.34 0.00
NEG WEST_LEA_LOCKPORT 23791	9.94 0.07 -1.59	10.09 0.11 -1.40	9.51 0.13 -1.34	9.45 0.12 -1.32	9.47 0.09 -1.41	10.07 0.09 -1.50	10.44 -0.09 -2.55	16.53 -0.72 -1.95	15.87 -0.82 -1.30	15.26 -0.93 -0.73	14.27 -0.72 -0.88	12.54 -0.69 -1.04	12.76 -0.66 -1.23	12.75 -0.68 -1.24	12.71 -0.72 -1.24	12.88 -0.76 -1.46	13.41 -0.71 -1.92	14.32 -0.54 -2.67	16.75 -0.80 -3.01	19.21 -1.05 -2.52	19.20 -1.03 -2.45	16.58 -0.86 -2.01	15.64 -0.77 -0.98	9.68 0.03 -1.70
NEG WEST___LANCASTR 23811	10.03 -0.04 -1.79	10.14 -0.01 -1.57	9.57 0.02 -1.51	9.49 0.00 -1.49	9.52 -0.04 -1.59	10.13 -0.03 -1.69	10.70 -0.14 -2.87	16.79 -0.70 -2.20	16.08 -0.77 -1.46	15.42 -0.85 -0.82	14.38 -0.72 -0.99	12.68 -0.68 -1.18	12.93 -0.65 -1.38	12.92 -0.67 -1.40	12.88 -0.71 -1.40	13.08 -0.74 -1.64	13.67 -0.68 -2.17	14.66 -0.54 -3.00	17.17 -0.76 -3.39	19.61 -0.96 -2.84	19.62 -0.92 -2.76	16.86 -0.83 -2.27	15.76 -0.77 -1.10	9.80 -0.06 -1.91
NEG_PENN_ALLEGHNY 23528	11.58 0.17 -3.13	11.51 0.18 -2.75	10.84 0.17 -2.63	10.77 0.16 -2.60	10.90 0.16 -2.78	11.61 0.19 -2.95	13.14 0.16 -5.01	19.42 0.15 -3.97	18.14 0.12 -2.63	17.02 0.09 -1.48	15.94 0.06 -1.77	14.35 0.04 -2.12	14.71 0.05 -2.47	14.74 0.05 -2.50	14.74 0.05 -2.50	15.17 0.04 -2.96	16.14 0.06 -3.89	17.66 0.07 -5.39	20.74 0.12 -6.08	23.05 0.20 -5.13	23.01 0.23 -5.00	19.70 0.17 -4.10	17.62 0.19 -2.00	11.61 0.20 -3.46
NEG___GEN_MONROE 24207	9.84 0.18 -1.38	9.96 0.17 -1.21	9.39 0.19 -1.16	9.34 0.19 -1.15	9.37 0.18 -1.22	10.00 0.22 -1.30	10.27 0.09 -2.21	16.78 -0.20 -1.69	16.31 -0.20 -1.13	15.81 -0.28 -0.63	14.68 -0.20 -0.76	12.89 -0.21 -0.90	13.06 -0.20 -1.06	13.04 -0.22 -1.07	13.02 -0.24 -1.07	13.16 -0.28 -1.26	13.59 -0.27 -1.66	14.29 -0.21 -2.31	16.84 -0.31 -2.61	19.52 -0.39 -2.19	19.55 -0.36 -2.13	16.88 -0.29 -1.74	16.05 -0.23 -0.85	9.60 0.17 -1.47
NEPA___ENERGY 23901	10.58 0.06 -2.24	10.64 0.09 -1.97	10.03 0.10 -1.89	9.96 0.10 -1.87	10.03 0.07 -1.99	10.67 0.08 -2.11	11.54 -0.02 -3.59	17.63 -0.41 -2.75	16.74 -0.48 -1.83	15.94 -0.54 -1.03	14.90 -0.45 -1.24	13.22 -0.44 -1.47	13.51 -0.41 -1.73	13.51 -0.43 -1.75	13.49 -0.45 -1.75	13.76 -0.47 -2.06	14.48 -0.43 -2.71	15.65 -0.30 -3.76	18.32 -0.47 -4.24	20.70 -0.59 -3.56	20.69 -0.55 -3.46	17.74 -0.52 -2.84	16.37 -0.45 -1.38	10.41 0.06 -2.40
NEVERSINK___HYD 23608	17.73 0.59 -8.86	16.88 0.56 -7.74	15.98 0.52 -7.42	15.86 0.51 -7.34	16.34 0.54 -7.83	17.41 0.62 -8.31	22.67 0.57 -14.12	27.03 1.16 -10.58	23.65 1.18 -7.09	20.79 1.36 -3.98	19.99 1.09 -4.79	18.86 1.00 -5.67	19.85 0.93 -6.73	19.90 0.94 -6.77	19.88 0.93 -6.77	21.05 0.91 -7.96	23.50 0.82 -10.50	27.57 0.84 -14.54	31.99 1.02 -16.43	32.92 1.49 -13.70	32.61 1.53 -13.29	27.75 1.42 -10.90	22.12 1.37 -5.32	17.85 0.69 -9.21
NEWKRMKL_115KV_TB1 55635	22.18 0.13 -13.77	20.81 0.14 -12.09	19.78 0.15 -11.58	19.62 0.15 -11.46	20.33 0.14 -12.22	21.61 0.15 -12.98	30.15 0.12 -22.05	32.39 0.20 -16.90	26.66 0.29 -10.98	21.93 0.32 -6.16	21.70 0.28 -7.30	21.38 0.26 -8.93	22.53 0.21 -10.14	22.78 0.22 -10.37	22.76 0.22 -10.35	24.72 0.22 -12.32	28.57 0.24 -16.13	34.92 0.26 -22.47	40.08 0.29 -25.25	39.76 0.35 -21.68	39.40 0.37 -21.24	33.18 0.32 -17.42	24.23 0.31 -8.49	22.81 0.14 -14.72
NEWTON___FALLS_HYD 23847	8.13 -0.42 -0.28	8.39 -0.43 -0.24	7.87 -0.40 -0.23	7.85 -0.38 -0.23	7.86 -0.36 -0.25	8.33 -0.41 -0.26	8.11 -0.31 -0.44	15.11 -0.52 -0.34	14.92 -0.69 -0.23	14.87 -0.71 -0.13	13.62 -0.65 -0.15	11.79 -0.59 -0.18	11.81 -0.60 -0.21	11.81 -0.60 -0.22	11.81 -0.60 -0.21	11.85 -0.58 -0.25	11.96 -0.56 -0.33	12.13 -0.52 -0.46	14.54 -0.52 -0.52	17.55 -0.62 -0.44	17.60 -0.60 -0.43	15.32 -0.46 -0.35	15.09 -0.51 -0.17	7.93 -0.32 -0.30
NGRID_A1_DSASP 323792	9.81 -0.08 -1.62	9.96 -0.03 -1.42	9.39 -0.01 -1.36	9.32 -0.02 -1.34	9.35 -0.05 -1.43	9.94 -0.06 -1.52	10.34 -0.22 -2.59	16.31 -0.99 -2.01	15.63 -1.09 -1.34	15.11 -1.10 -0.75	14.00 -1.02 -0.90	12.41 -0.85 -1.08	12.62 -0.83 -1.26	12.63 -0.83 -1.27	12.60 -0.87 -1.27	12.78 -0.90 -1.50	13.31 -0.85 -1.97	14.01 -0.90 -2.72	16.58 -1.03 -3.07	18.99 -1.33 -2.59	18.99 -1.32 -2.52	16.36 -1.14 -2.07	15.42 -1.02 -1.01	9.62 -0.09 -1.75
NGRID_A2_DSASP 323793	9.81 -0.08 -1.62	9.96 -0.03 -1.42	9.39 -0.01 -1.36	9.32 -0.02 -1.34	9.35 -0.05 -1.43	9.94 -0.06 -1.52	10.34 -0.22 -2.59	16.31 -0.99 -2.01	15.63 -1.09 -1.34	15.11 -1.10 -0.75	14.00 -1.02 -0.90	12.41 -0.85 -1.08	12.62 -0.83 -1.26	12.63 -0.83 -1.27	12.60 -0.87 -1.27	12.78 -0.90 -1.50	13.31 -0.85 -1.97	14.01 -0.90 -2.72	16.58 -1.03 -3.07	18.99 -1.33 -2.59	18.99 -1.32 -2.52	16.36 -1.14 -2.07	15.42 -1.02 -1.01	9.62 -0.09 -1.75
NGRID_A4_DSASP 323807	9.81 -0.08 -1.62	9.96 -0.03 -1.42	9.39 -0.01 -1.36	9.32 -0.02 -1.34	9.35 -0.05 -1.43	9.94 -0.06 -1.52	10.34 -0.22 -2.59	16.31 -0.99 -2.01	15.63 -1.09 -1.34	15.11 -1.10 -0.75	14.00 -1.02 -0.90	12.41 -0.85 -1.08	12.62 -0.83 -1.26	12.63 -0.83 -1.27	12.60 -0.87 -1.27	12.78 -0.90 -1.50	13.31 -0.85 -1.97	14.01 -0.90 -2.72	16.58 -1.03 -3.07	18.99 -1.33 -2.59	18.99 -1.32 -2.52	16.36 -1.14 -2.07	15.42 -1.02 -1.01	9.62 -0.09 -1.75
NIAGARA_115E_LBMP 323715	9.86 -0.03 -1.61	10.00 0.01 -1.41	9.43 0.03 -1.35	9.36 0.02 -1.34	9.39 -0.01 -1.43	9.98 -0.01 -1.52	10.35 -0.21 -2.58	16.32 -0.98 -2.01	15.61 -1.11 -1.34	15.08 -1.13 -0.75	13.97 -1.04 -0.90	12.39 -0.88 -1.08	12.59 -0.85 -1.26	12.61 -0.85 -1.27	12.57 -0.89 -1.27	12.75 -0.93 -1.50	13.26 -0.90 -1.97	13.98 -0.93 -2.72	16.56 -1.05 -3.07	18.95 -1.36 -2.59	18.97 -1.33 -2.52	16.39 -1.11 -2.07	15.42 -1.02 -1.01	9.63 -0.07 -1.75

NIAGARA_115W_LBMP 323714	9.79 -0.10 -1.62	9.94 -0.06 -1.42	9.37 -0.03 -1.36	9.31 -0.04 -1.34	9.33 -0.07 -1.43	9.91 -0.08 -1.52	10.32 -0.24 -2.58	16.26 -1.04 -2.01	15.60 -1.12 -1.34	15.08 -1.13 -0.75	13.95 -1.06 -0.90	12.39 -0.88 -1.08	12.59 -0.85 -1.26	12.60 -0.87 -1.27	12.56 -0.90 -1.27	12.75 -0.93 -1.50	13.28 -0.88 -1.97	13.98 -0.93 -2.72	16.54 -1.06 -3.06	18.93 -1.38 -2.59	18.95 -1.35 -2.52	16.33 -1.17 -2.07	15.39 -1.05 -1.01	9.59 -0.11 -1.75
NIAGARA_230_LBMP 323716	9.88 0.01 -1.60	10.03 0.05 -1.40	9.46 0.07 -1.34	9.39 0.06 -1.33	9.42 0.04 -1.42	10.01 0.03 -1.50	10.40 -0.14 -2.55	16.48 -0.80 -1.99	15.80 -0.91 -1.32	15.28 -0.91 -0.74	14.16 -0.85 -0.89	12.56 -0.69 -1.06	12.75 -0.68 -1.24	12.76 -0.68 -1.26	12.73 -0.72 -1.25	12.91 -0.76 -1.48	13.43 -0.71 -1.95	14.15 -0.74 -2.70	16.76 -0.83 -3.04	19.19 -1.10 -2.57	19.21 -1.07 -2.50	16.56 -0.93 -2.05	15.61 -0.82 -1.00	9.68 0.00 -1.73
NIAGARA__115KV_198_GIBSON 55903	9.82 -0.10 -1.64	9.96 -0.06 -1.44	9.39 -0.03 -1.38	9.33 -0.04 -1.36	9.35 -0.07 -1.46	9.94 -0.08 -1.55	10.36 -0.24 -2.63	16.26 -1.04 -2.01	15.65 -1.08 -1.34	15.02 -1.19 -0.75	14.07 -0.95 -0.90	12.39 -0.88 -1.08	12.62 -0.84 -1.27	12.62 -0.85 -1.28	12.57 -0.90 -1.28	12.76 -0.93 -1.51	13.30 -0.88 -1.98	14.17 -0.76 -2.74	16.56 -1.06 -3.08	18.93 -1.38 -2.59	18.93 -1.37 -2.52	16.33 -1.17 -2.07	15.39 -1.05 -1.01	9.59 -0.11 -1.75
NIAGARA____ 23760	9.82 -0.07 -1.61	9.96 -0.03 -1.41	9.40 0.00 -1.36	9.33 -0.02 -1.34	9.35 -0.05 -1.43	9.94 -0.05 -1.52	10.33 -0.22 -2.58	16.34 -0.95 -2.00	15.67 -1.05 -1.33	15.13 -1.07 -0.75	14.01 -1.00 -0.90	12.42 -0.84 -1.07	12.63 -0.82 -1.25	12.63 -0.83 -1.27	12.59 -0.87 -1.27	12.79 -0.89 -1.50	13.29 -0.87 -1.97	14.02 -0.89 -2.72	16.60 -1.00 -3.06	19.02 -1.29 -2.58	19.01 -1.28 -2.51	16.40 -1.10 -2.06	15.45 -0.99 -1.01	9.61 -0.10 -1.75
NINE_MILE_1 23575	8.89 -0.22 -0.83	9.09 -0.22 -0.73	8.54 -0.20 -0.70	8.49 -0.21 -0.69	8.50 -0.21 -0.74	9.06 -0.20 -0.78	9.08 -0.22 -1.33	15.80 -0.52 -1.03	15.53 -0.54 -0.68	15.28 -0.56 -0.38	14.06 -0.51 -0.46	12.29 -0.45 -0.55	12.38 -0.45 -0.64	12.39 -0.45 -0.65	12.40 -0.44 -0.65	12.49 -0.45 -0.76	12.76 -0.44 -1.01	13.15 -0.44 -1.40	15.62 -0.49 -1.57	18.49 -0.57 -1.33	18.52 -0.55 -1.29	16.00 -0.49 -1.06	15.47 -0.48 -0.52	8.67 -0.17 -0.90
NINE_MILE_2 23744	8.89 -0.22 -0.83	9.09 -0.22 -0.73	8.54 -0.20 -0.70	8.48 -0.21 -0.69	8.50 -0.21 -0.74	9.05 -0.20 -0.78	9.08 -0.22 -1.33	15.80 -0.52 -1.03	15.53 -0.54 -0.68	15.28 -0.56 -0.38	14.06 -0.51 -0.46	12.29 -0.45 -0.55	12.39 -0.44 -0.64	12.39 -0.45 -0.65	12.40 -0.44 -0.65	12.49 -0.45 -0.76	12.76 -0.44 -1.01	13.15 -0.44 -1.40	15.62 -0.49 -1.57	18.49 -0.57 -1.33	18.52 -0.55 -1.29	16.01 -0.48 -1.06	15.47 -0.48 -0.52	8.67 -0.17 -0.90
NM_CAPITAL____DRP 24208	22.12 0.16 -13.69	20.76 0.16 -12.01	19.73 0.18 -11.51	19.57 0.18 -11.39	20.27 0.16 -12.15	21.56 0.19 -12.90	30.04 0.15 -21.91	32.35 0.26 -16.80	26.61 0.34 -10.89	21.93 0.37 -6.10	21.67 0.32 -7.23	21.35 0.29 -8.87	22.46 0.24 -10.02	22.72 0.26 -10.27	22.69 0.26 -10.25	24.65 0.26 -12.21	28.45 0.28 -15.98	34.76 0.29 -22.28	39.89 0.33 -25.01	39.67 0.41 -21.53	39.30 0.41 -21.11	33.10 0.35 -17.32	24.24 0.37 -8.44	22.74 0.17 -14.62
NM_CENTRAL____DRP 24181	9.30 -0.04 -1.07	9.48 -0.03 -0.94	8.91 -0.03 -0.90	8.85 -0.04 -0.89	8.87 -0.04 -0.95	9.46 -0.02 -1.00	9.67 -0.02 -1.71	16.46 -0.14 -1.31	16.10 -0.15 -0.87	15.77 -0.17 -0.49	14.56 -0.14 -0.59	12.74 -0.15 -0.70	12.89 -0.12 -0.82	12.87 -0.15 -0.83	12.89 -0.13 -0.83	13.01 -0.15 -0.98	13.32 -0.16 -1.29	13.85 -0.16 -1.79	16.38 -0.17 -2.01	19.26 -0.16 -1.69	19.30 -0.12 -1.64	16.66 -0.12 -1.35	15.97 -0.12 -0.66	9.11 0.02 -1.14
NM_FRONTIER____DRP 24179	9.82 -0.10 -1.64	9.96 -0.06 -1.44	9.39 -0.03 -1.38	9.33 -0.04 -1.36	9.35 -0.07 -1.46	9.94 -0.08 -1.55	10.36 -0.24 -2.63	16.26 -1.04 -2.01	15.65 -1.08 -1.34	15.02 -1.19 -0.75	14.07 -0.95 -1.08	12.39 -0.88 -1.08	12.62 -0.84 -1.27	12.62 -0.85 -1.28	12.57 -0.90 -1.28	12.76 -0.93 -1.51	13.30 -0.88 -1.98	14.17 -0.76 -2.74	16.56 -1.06 -3.08	18.93 -1.38 -2.59	18.93 -1.37 -2.52	16.33 -1.17 -2.07	15.39 -1.05 -1.01	9.59 -0.11 -1.75
NM_ST_REGIS____HYD 24053	8.00 -0.41 -0.14	8.25 -0.45 -0.12	7.75 -0.41 -0.11	7.73 -0.38 -0.11	7.71 -0.37 -0.12	8.13 -0.47 -0.13	7.83 -0.36 -0.22	14.98 -0.47 -0.17	14.82 -0.68 -0.11	14.88 -0.63 -0.06	13.58 -0.61 -0.07	11.73 -0.55 -0.09	11.73 -0.56 -0.10	11.71 -0.59 -0.10	11.70 -0.60 -0.10	11.74 -0.56 -0.12	11.78 -0.57 -0.16	11.84 -0.57 -0.23	14.23 -0.57 -0.25	17.13 -0.82 -0.21	17.10 -0.89 -0.21	14.89 -0.71 -0.17	14.76 -0.76 -0.08	7.60 -0.49 -0.14
NORTHPORT____1 23551	23.57 0.67 -14.62	21.05 0.71 -11.76	18.57 0.66 -9.87	17.91 0.63 -9.28	19.41 0.65 -10.79	24.79 0.70 -15.62	31.41 0.69 -22.74	31.97 1.30 -15.38	32.95 1.43 -16.14	31.43 1.41 -14.57	27.88 1.40 -12.37	25.97 1.15 -12.63	27.81 1.21 -14.41	26.81 1.21 -13.41	27.81 1.18 -14.44	28.29 1.11 -15.00	34.30 1.00 -21.10	38.91 0.96 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.30 1.39 -40.13	34.29 1.16 -17.70	27.99 1.30 -11.26	29.17 0.68 -20.53
NORTHPORT____2 23552	23.57 0.67 -14.62	21.05 0.71 -11.76	18.57 0.66 -9.87	17.91 0.63 -9.28	19.41 0.65 -10.79	24.79 0.70 -15.62	31.41 0.69 -22.74	31.97 1.30 -15.38	32.95 1.43 -16.14	31.43 1.41 -14.57	27.88 1.40 -12.37	25.97 1.15 -12.63	27.81 1.21 -14.41	26.81 1.21 -13.41	27.81 1.18 -14.44	28.29 1.11 -15.00	34.30 1.00 -21.10	38.91 0.96 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.30 1.39 -40.13	34.29 1.16 -17.70	27.99 1.30 -11.26	29.17 0.68 -20.53
NORTHPORT____3 23553	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.70 -9.28	19.47 0.71 -10.79	24.86 0.76 -15.62	31.47 0.75 -22.74	32.12 1.45 -15.38	33.12 1.60 -16.14	31.55 1.55 -14.56	28.01 1.52 -12.37	26.06 1.24 -12.63	27.92 1.32 -14.41	26.92 1.32 -13.41	27.93 1.31 -14.44	28.45 1.27 -15.00	34.49 1.20 -21.10	39.10 1.16 -25.75	45.98 1.40 -30.04	38.65 1.70 -19.22	59.61 1.69 -40.13	34.53 1.40 -17.70	28.11 1.42 -11.26	29.19 0.72 -20.52
NORTHPORT____4 23650	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.70 -9.28	19.47 0.71 -10.79	24.86 0.76 -15.62	31.47 0.75 -22.74	32.12 1.45 -15.38	33.12 1.60 -16.14	31.55 1.55 -14.56	28.01 1.52 -12.37	26.06 1.24 -12.63	27.92 1.32 -14.41	26.92 1.32 -13.41	27.93 1.31 -14.44	28.45 1.27 -15.00	34.49 1.20 -21.10	39.10 1.16 -25.75	45.98 1.40 -30.04	38.65 1.70 -19.22	59.61 1.69 -40.13	34.53 1.40 -17.70	28.11 1.42 -11.26	29.19 0.72 -20.52
NORTHPORT____IC 23718	23.57 0.67 -14.62	21.05 0.71 -11.76	18.57 0.66 -9.87	17.91 0.63 -9.28	19.41 0.65 -10.79	24.79 0.70 -15.62	31.41 0.69 -22.74	31.97 1.30 -15.38	32.95 1.43 -16.14	31.43 1.41 -14.57	27.88 1.40 -12.37	25.97 1.15 -12.63	27.81 1.21 -14.41	26.81 1.21 -13.41	27.81 1.18 -14.44	28.29 1.11 -15.00	34.30 1.00 -21.10	38.91 0.96 -25.75	45.73 1.15 -30.04	38.35 1.40 -19.22	59.30 1.39 -40.13	34.29 1.16 -17.70	27.99 1.30 -11.26	29.17 0.68 -20.53

NORTH__COUNTRY_ESR 323785	8.22 -0.06 0.00	8.49 -0.09 0.00	7.95 -0.10 0.00	7.89 -0.11 0.00	7.80 -0.17 0.00	8.23 -0.25 0.00	7.80 -0.18 0.00	15.14 -0.15 0.00	15.08 -0.31 0.00	15.14 -0.31 0.00	13.79 -0.32 0.00	11.84 -0.35 0.00	11.86 -0.33 0.00	11.79 -0.40 0.00	11.76 -0.43 0.00	11.78 -0.40 0.00	11.75 -0.44 0.00	11.78 -0.41 0.00	14.09 -0.45 0.00	17.11 -0.62 0.00	17.00 -0.78 0.00	14.65 -0.79 0.00	14.60 -0.83 0.00	7.47 -0.49 0.00
NPX_GEN_1385_PROXY 323591	23.48 0.58 -14.62	21.00 0.66 -11.76	18.53 0.61 -9.87	17.86 0.58 -9.28	19.36 0.61 -10.79	24.69 0.59 -15.62	31.26 0.54 -22.74	31.77 1.10 -15.38	32.98 1.46 -16.14	31.43 1.41 -14.57	27.91 1.42 -12.37	25.97 1.15 -12.63	27.85 1.24 -14.41	26.83 1.23 -13.41	27.83 1.21 -14.44	28.31 1.13 -15.00	34.32 1.02 -21.10	38.93 0.99 -25.75	45.76 1.18 -30.04	38.38 1.44 -19.22	59.34 1.42 -40.13	34.29 1.16 -17.70	27.99 1.30 -11.26	29.17 0.68 -20.53
NPX_GEN_CSC 323557	23.62 0.72 -14.62	21.10 0.76 -11.76	18.63 0.72 -9.87	17.95 0.67 -9.28	19.45 0.69 -10.79	24.84 0.75 -15.62	31.48 0.76 -22.74	32.08 1.41 -15.38	33.01 1.49 -16.14	31.44 1.44 -14.55	27.85 1.37 -12.37	25.93 1.11 -12.63	27.77 1.17 -14.41	26.76 1.16 -13.41	27.79 1.16 -14.44	28.28 1.10 -15.00	34.36 1.06 -21.10	38.98 1.04 -25.75	45.86 1.28 -30.04	38.52 1.58 -19.22	59.48 1.57 -40.13	34.43 1.30 -17.70	28.03 1.34 -11.26	29.14 0.68 -20.51
NSINS_S_GLNS_FALLS 23858	23.09 0.36 -14.46	21.64 0.37 -12.69	20.54 0.34 -12.16	20.36 0.33 -12.03	21.14 0.34 -12.83	22.51 0.41 -13.62	31.54 0.41 -23.15	33.77 0.73 -17.74	27.76 0.78 -11.59	22.63 0.68 -6.50	22.39 0.55 -7.73	22.05 0.46 -9.40	23.36 0.43 -10.75	23.66 0.50 -10.97	23.62 0.49 -10.94	25.69 0.51 -13.00	29.86 0.62 -17.05	36.61 0.69 -23.72	42.05 0.83 -26.68	41.52 0.99 -22.80	41.15 1.07 -22.30	34.59 0.86 -18.29	25.17 0.82 -8.92	23.79 0.39 -15.45
NUCOR_STEEL__DRP 24197	9.74 0.08 -1.38	9.88 0.09 -1.21	9.29 0.08 -1.16	9.23 0.07 -1.15	9.28 0.08 -1.23	9.89 0.11 -1.30	10.28 0.09 -2.22	17.03 0.05 -1.70	16.51 0.00 -1.13	16.06 -0.03 -0.63	14.85 -0.03 -0.76	13.04 -0.06 -0.91	13.21 -0.05 -1.07	13.22 -0.05 -1.08	13.23 -0.04 -1.08	13.40 -0.05 -1.27	13.85 -0.01 -1.67	14.55 0.04 -2.32	17.19 0.03 -2.62	20.05 0.12 -2.19	20.11 0.20 -2.13	17.31 0.12 -1.75	16.42 0.14 -0.85	9.60 0.17 -1.48
NUMBER_THREE_WT_PWR 323818	8.56 -0.12 -0.41	8.83 -0.11 -0.36	8.27 -0.11 -0.34	8.24 -0.10 -0.34	8.23 -0.10 -0.36	8.79 -0.07 -0.38	8.58 -0.05 -0.65	15.65 -0.14 -0.50	15.44 -0.28 -0.33	15.34 -0.29 -0.18	14.05 -0.28 -0.22	12.20 -0.26 -0.27	12.22 -0.28 -0.31	12.22 -0.28 -0.31	12.20 -0.30 -0.31	12.27 -0.28 -0.37	12.43 -0.24 -0.49	12.68 -0.18 -0.68	15.17 -0.13 -0.76	18.37 0.00 -0.64	18.44 0.04 -0.63	16.05 0.11 -0.51	15.74 0.06 -0.25	8.40 0.02 -0.43
NYISO_LBMP_REFERENCE 24008	8.28 0.00 0.00	8.58 0.00 0.00	8.04 0.00 0.00	8.00 0.00 0.00	7.97 0.00 0.00	8.48 0.00 0.00	7.98 0.00 0.00	15.29 0.00 0.00	15.38 0.00 0.00	15.45 0.00 0.00	14.11 0.00 0.00	12.19 0.00 0.00	12.19 0.00 0.00	12.19 0.00 0.00	12.19 0.00 0.00	12.18 0.00 0.00	12.19 0.00 0.00	12.19 0.00 0.00	14.54 0.00 0.00	17.73 0.00 0.00	17.78 0.00 0.00	15.43 0.00 0.00	15.43 0.00 0.00	7.95 0.00 0.00
NYPA_BRENTWD__GT 24164	23.68 0.78 -14.62	21.16 0.82 -11.76	18.68 0.76 -9.87	18.01 0.73 -9.28	19.51 0.75 -10.79	24.90 0.81 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.18 1.66 -16.14	31.56 1.59 -14.52	28.06 1.58 -12.37	26.09 1.27 -12.63	27.96 1.35 -14.41	26.94 1.34 -13.41	27.96 1.33 -14.44	28.46 1.28 -15.00	34.49 1.20 -21.10	39.07 1.12 -25.75	45.85 1.26 -30.04	38.49 1.54 -19.22	59.45 1.53 -40.13	34.55 1.42 -17.70	28.19 1.50 -11.26	29.21 0.77 -20.48
NYPA_GOWANUS__GT5 24156	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NYPA_GOWANUS__GT6 24157	19.84 0.56 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.22 1.19 -21.48	36.89 1.42 -17.75	36.32 1.37 -17.16	30.67 1.16 -14.08	23.42 1.13 -6.86	20.42 0.58 -11.89
NYPA_HARLEM_RVR_GT1 24160	19.81 0.53 -11.00	18.91 0.55 -9.78	17.91 0.50 -9.37	17.76 0.48 -9.28	18.34 0.49 -9.89	19.48 0.50 -10.50	26.29 0.47 -17.84	29.90 0.96 -13.65	25.83 1.22 -9.23	21.88 1.25 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.10 1.06 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.03 0.87 -18.97	37.09 1.08 -21.48	36.74 1.28 -17.74	36.16 1.23 -17.16	30.54 1.03 -14.07	23.30 1.00 -6.86	20.39 0.55 -11.89
NYPA_HARLEM_RVR_GT2 24161	19.81 0.53 -11.00	18.91 0.55 -9.78	17.91 0.50 -9.37	17.76 0.48 -9.28	18.34 0.49 -9.89	19.48 0.50 -10.50	26.29 0.47 -17.84	29.90 0.96 -13.65	25.83 1.22 -9.23	21.88 1.25 -5.18	21.60 1.21 -6.27	20.58 1.05 -7.35	22.10 1.06 -8.85	22.10 1.06 -8.85	22.09 1.05 -8.85	23.56 1.01 -10.37	26.83 0.93 -13.71	32.03 0.87 -18.97	37.09 1.08 -21.48	36.74 1.28 -17.74	36.16 1.23 -17.16	30.54 1.03 -14.07	23.30 1.00 -6.86	20.39 0.55 -11.89
NYPA_KENT__GT 24152	19.83 0.55 -11.00	18.95 0.58 -9.78	17.95 0.53 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.69 1.30 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.92 1.01 -13.72	32.11 0.94 -18.98	37.20 1.18 -21.48	36.88 1.40 -17.75	36.30 1.35 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.42 0.57 -11.89
NYPA_POUCH1__GT 24155	19.83 0.55 -11.00	18.94 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.50 0.52 -10.50	26.32 0.50 -17.84	29.91 0.96 -13.66	25.81 1.18 -9.24	21.85 1.21 -5.19	21.56 1.17 -6.27	20.55 1.01 -7.35	22.07 1.02 -8.85	22.07 1.02 -8.85	22.08 1.02 -8.86	23.55 0.99 -10.38	26.84 0.93 -13.72	32.00 0.84 -18.97	37.11 1.09 -21.48	36.73 1.26 -17.74	36.16 1.23 -17.16	30.54 1.03 -14.07	23.37 1.08 -6.86	20.41 0.56 -11.89
NYPA_VERNON__GT2 24162	19.82 0.55 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.69 1.30 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.91 1.00 -13.72	32.11 0.94 -18.98	37.19 1.16 -21.48	36.86 1.38 -17.75	36.28 1.33 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.41 0.56 -11.89

NYPY_VERNON____GT3 24163	19.82	18.94	17.94	17.79	18.38	19.52	26.36	30.02	25.93	21.98	21.69	20.66	22.19	22.19	22.17	23.64	26.91	32.11	37.19	36.86	36.28	30.65	23.41	20.41
	0.55	0.57	0.52	0.51	0.52	0.54	0.53	1.07	1.31	1.34	1.30	1.12	1.13	1.13	1.12	1.08	1.00	0.94	1.16	1.38	1.33	1.14	1.11	0.56
	-11.00	-9.78	-9.37	-9.28	-9.89	-10.50	-17.84	-13.66	-9.24	-5.19	-6.28	-7.35	-8.86	-8.86	-8.86	-10.38	-13.72	-18.98	-21.48	-17.75	-17.16	-14.08	-6.86	-11.89
NYPY____ASTORIA_CC1 323568	19.81	18.93	17.93	17.78	18.37	19.51	26.34	30.00	25.90	21.97	21.67	20.65	22.16	22.16	22.16	23.62	26.90	32.09	37.16	36.82	36.26	30.64	23.37	20.40
	0.54	0.57	0.52	0.50	0.51	0.53	0.52	1.05	1.28	1.33	1.27	1.11	1.11	1.11	1.11	1.06	0.99	0.91	1.13	1.35	1.32	1.13	1.08	0.56
	-11.00	-9.78	-9.37	-9.28	-9.89	-10.50	-17.84	-13.66	-9.24	-5.19	-6.28	-7.35	-8.86	-8.86	-8.86	-10.38	-13.72	-18.98	-21.48	-17.75	-17.16	-14.08	-6.86	-11.89
NYPY____ASTORIA_CC2 323569	19.81	18.93	17.93	17.78	18.37	19.51	26.34	30.00	25.90	21.97	21.67	20.65	22.16	22.16	22.16	23.62	26.90	32.09	37.16	36.82	36.26	30.64	23.37	20.40
	0.54	0.57	0.52	0.50	0.51	0.53	0.52	1.05	1.28	1.33	1.27	1.11	1.11	1.11	1.11	1.06	0.99	0.91	1.13	1.35	1.32	1.13	1.08	0.56
	-11.00	-9.78	-9.37	-9.28	-9.89	-10.50	-17.84	-13.66	-9.24	-5.19	-6.28	-7.35	-8.86	-8.86	-8.86	-10.38	-13.72	-18.98	-21.48	-17.75	-17.16	-14.08	-6.86	-11.89
NYPY____HOLTSVILL 23794	23.66	21.15	18.66	18.00	19.50	24.88	31.53	32.20	33.17	31.56	28.03	26.05	27.93	26.92	27.94	28.41	34.47	39.08	45.95	38.63	59.59	34.50	28.11	29.20
	0.76	0.82	0.75	0.72	0.74	0.79	0.81	1.53	1.65	1.56	1.55	1.23	1.33	1.32	1.32	1.23	1.17	1.13	1.37	1.68	1.67	1.37	1.42	0.73
	-14.62	-11.76	-9.87	-9.28	-10.79	-15.62	-22.74	-15.38	-16.14	-14.55	-12.37	-12.63	-14.41	-13.41	-14.44	-15.00	-21.10	-25.75	-30.04	-19.22	-40.13	-17.70	-11.26	-20.51
NYPY____HELLGATE_GT1 24158	19.81	18.91	17.91	17.76	18.34	19.48	26.29	29.90	25.83	21.88	21.60	20.58	22.10	22.10	22.09	23.56	26.83	32.03	37.09	36.74	36.16	30.54	23.30	20.39
	0.53	0.55	0.50	0.48	0.49	0.50	0.47	0.96	1.22	1.25	1.21	1.05	1.06	1.06	1.05	1.01	0.93	0.87	1.08	1.28	1.23	1.03	1.00	0.55
	-11.00	-9.78	-9.37	-9.28	-9.89	-10.50	-17.84	-13.65	-9.23	-5.18	-6.27	-7.35	-8.85	-8.85	-8.85	-10.37	-13.71	-18.97	-21.48	-17.74	-17.16	-14.07	-6.86	-11.89
NYPY____HELLGATE_GT2 24159	19.81	18.91	17.91	17.76	18.34	19.48	26.29	29.90	25.83	21.88	21.60	20.58	22.10	22.10	22.09	23.56	26.83	32.03	37.09	36.74	36.16	30.54	23.30	20.39
	0.53	0.55	0.50	0.48	0.49	0.50	0.47	0.96	1.22	1.25	1.21	1.05	1.06	1.06	1.05	1.01	0.93	0.87	1.08	1.28	1.23	1.03	1.00	0.55
	-11.00	-9.78	-9.37	-9.28	-9.89	-10.50	-17.84	-13.65	-9.23	-5.18	-6.27	-7.35	-8.85	-8.85	-8.85	-10.37	-13.71	-18.97	-21.48	-17.74	-17.16	-14.07	-6.86	-11.89
NYS_BARGE____HYD 23848	9.92	10.08	9.50	9.43	9.45	10.06	10.41	16.52	15.81	15.28	14.14	12.53	12.73	12.73	12.70	12.88	13.39	14.11	16.72	19.20	19.20	16.58	15.62	9.69
	0.07	0.11	0.13	0.11	0.08	0.09	-0.10	-0.73	-0.89	-0.91	-0.86	-0.72	-0.69	-0.71	-0.74	-0.78	-0.74	-0.74	-0.83	-1.06	-1.05	-0.88	-0.80	0.02
	-1.58	-1.39	-1.33	-1.31	-1.40	-1.49	-2.53	-1.97	-1.31	-0.74	-0.88	-1.06	-1.24	-1.25	-1.25	-1.48	-1.94	-2.67	-3.01	-2.54	-2.47	-2.03	-0.99	-1.71
OAK ORCHARD____HYD 24046	9.73	9.87	9.29	9.23	9.26	9.87	10.16	16.71	16.18	15.73	14.54	12.81	12.98	12.98	12.97	13.12	13.57	14.16	16.80	19.50	19.52	16.83	15.98	9.52
	0.11	0.11	0.12	0.11	0.10	0.14	0.04	-0.25	-0.31	-0.34	-0.31	-0.27	-0.24	-0.26	-0.27	-0.29	-0.24	-0.29	-0.29	-0.37	-0.36	-0.32	-0.29	0.12
	-1.34	-1.18	-1.13	-1.12	-1.19	-1.26	-2.15	-1.67	-1.10	-0.62	-0.74	-0.89	-1.03	-1.05	-1.04	-1.23	-1.62	-2.26	-2.55	-2.15	-2.09	-1.72	-0.84	-1.45
OAKDALE____35_KV_LOAD 356122	11.77	11.69	11.02	10.94	11.09	11.81	13.48	19.50	18.21	17.03	16.01	14.40	14.80	14.82	14.82	15.26	16.27	17.90	20.94	23.18	23.12	19.79	17.63	11.71
	0.15	0.17	0.16	0.15	0.15	0.18	0.14	0.11	0.09	0.05	0.06	0.01	0.02	0.02	0.02	0.01	0.04	0.10	0.07	0.14	0.18	0.12	0.14	0.18
	-3.34	-2.94	-2.81	-2.78	-2.97	-3.15	-5.35	-4.10	-2.73	-1.53	-1.84	-2.19	-2.58	-2.61	-2.60	-3.07	-4.04	-5.61	-6.33	-5.31	-5.16	-4.23	-2.06	-3.57
OCC_CHEM____DRP 24175	9.84	9.99	9.42	9.35	9.38	9.97	10.38	16.31	15.68	15.06	14.12	12.42	12.66	12.64	12.60	12.79	13.32	14.22	16.61	19.00	18.99	16.37	15.43	9.62
	-0.08	-0.03	-0.01	-0.02	-0.05	-0.06	-0.22	-0.99	-1.05	-1.14	-0.90	-0.85	-0.80	-0.83	-0.87	-0.90	-0.85	-0.72	-1.03	-1.33	-1.32	-1.14	-1.02	-0.09
	-1.64	-1.44	-1.38	-1.37	-1.46	-1.55	-2.63	-2.02	-1.34	-0.75	-0.91	-1.08	-1.27	-1.28	-1.28	-1.51	-1.99	-2.75	-3.10	-2.60	-2.53	-2.08	-1.01	-1.76
OH_GEN_PROXY 24063	9.90	10.04	9.47	9.40	9.43	10.03	10.42	16.54	15.85	15.33	14.19	12.59	12.79	12.79	12.76	12.95	13.48	14.20	16.80	19.26	19.28	16.61	15.65	9.70
	0.02	0.05	0.08	0.06	0.04	0.04	-0.13	-0.75	-0.86	-0.87	-0.82	-0.67	-0.65	-0.66	-0.69	-0.72	-0.67	-0.71	-0.80	-1.05	-1.01	-0.88	-0.79	0.01
	-1.61	-1.41	-1.35	-1.33	-1.42	-1.51	-2.57	-2.00	-1.33	-0.74	-0.89	-1.07	-1.25	-1.26	-1.26	-1.49	-1.96	-2.71	-3.06	-2.58	-2.51	-2.06	-1.00	-1.74
OLIN_CORP_DRP 24177	9.90	10.04	9.48	9.40	9.43	10.03	10.42	16.36	15.70	15.08	14.12	12.43	12.66	12.64	12.61	12.79	13.32	14.23	16.64	19.03	19.02	16.43	15.46	9.66
	-0.02	0.02	0.05	0.03	0.00	0.00	-0.19	-0.95	-1.03	-1.13	-0.90	-0.84	-0.80	-0.83	-0.87	-0.90	-0.87	-0.72	-1.02	-1.31	-1.30	-1.08	-0.99	-0.06
	-1.65	-1.45	-1.38	-1.37	-1.46	-1.55	-2.64	-2.02	-1.35	-0.76	-0.91	-1.08	-1.27	-1.28	-1.28	-1.51	-1.99	-2.76	-3.11	-2.61	-2.54	-2.08	-1.02	-1.76
OLIN_CORP_DSASP 323712	9.81	9.96	9.39	9.32	9.35	9.94	10.34	16.31	15.63	15.11	14.00	12.41	12.62	12.63	12.60	12.78	13.31	14.01	16.58	18.99	18.99	16.36	15.42	9.62
	-0.08	-0.03	-0.01	-0.02	-0.05	-0.06	-0.22	-0.99	-1.09	-1.10	-1.02	-0.85	-0.83	-0.83	-0.87	-0.90	-0.85	-0.90	-1.03	-1.33	-1.32	-1.14	-1.02	-0.09
	-1.62	-1.42	-1.36	-1.34	-1.43	-1.52	-2.59	-2.01	-1.34	-0.75	-0.90	-1.08	-1.26	-1.27	-1.27	-1.50	-1.97	-2.72	-3.07	-2.59	-2.52	-2.07	-1.01	-1.75
ONEIDA_HERK_LFGE 323681	8.66	8.94	8.38	8.34	8.33	8.90	8.61	15.82	15.68	15.64	14.29	12.43	12.42	12.43	12.39	12.45	12.59	12.80	15.27	18.52	18.59	16.17	15.92	8.46
	0.04	0.06	0.05	0.05	0.06	0.10	0.08	0.11	0.02	0.03	-0.01	0.01	-0.04	-0.02	-0.06	-0.04	-0.01	0.04	0.09	0.25	0.28	0.31	0.28	0.14
	-0.34	-0.30	-0.29	-0.29	-0.31	-0.32	-0.55	-0.42	-0.28	-0.16	-0.19	-0.22	-0.26	-0.26	-0.26	-0.31	-0.41	-0.57	-0.64	-0.54	-0.53	-0.43	-0.21	-0.37
ONEIDA____115KV_TB4 55905	9.01	9.27	8.69	8.64	8.64	9.24	9.06	16.28	16.08	15.94	14.68	12.72	12.77	12.75	12.72	12.81	13.01	13.32	15.85	19.11	19.17	16.65	16.29	8.82
	0.20	0.22	0.20	0.19	0.20	0.26	0.22	0.34	0.26	0.25	0.27	0.18	0.17	0.15	0.11	0.15	0.17	0.23	0.31	0.53	0.57	0.54	0.52	0.29
	-0.53	-0.47	-0.45	-0.44	-0.47	-0.50	-0.85	-0.65	-0.44	-0.24	-0.29	-0.35	-0.41	-0.42	-0.41	-0.49	-0.64	-0.89	-1.01	-0.85	-0.82	-0.67	-0.33	-0.57

ONONDAGA_REF_OCCRA 23987	9.53 -0.01 -1.27	9.68 -0.01 -1.11	9.10 -0.01 -1.06	9.04 -0.02 -1.05	9.08 -0.02 -1.12	9.68 0.01 -1.19	10.00 0.00 -2.03	16.72 -0.12 -1.55	16.28 -0.14 -1.03	15.88 -0.15 -0.58	14.68 -0.13 -0.70	12.87 -0.15 -0.83	13.05 -0.12 -0.98	13.04 -0.13 -0.99	13.05 -0.12 -0.98	13.19 -0.15 -1.16	13.60 -0.12 -1.53	14.23 -0.09 -2.12	16.82 -0.12 -2.39	19.66 -0.07 -2.01	19.70 -0.04 -1.95	16.99 -0.05 -1.60	16.17 -0.05 -0.78	9.36 0.06 -1.35
ONONDAGA___COGEN 23986	9.46 0.00 -1.19	9.62 0.00 -1.04	9.03 -0.01 -1.00	8.97 -0.02 -0.99	9.01 -0.01 -1.05	9.60 0.01 -1.12	9.87 -0.01 -1.90	16.62 -0.12 -1.46	16.21 -0.14 -0.97	15.84 -0.15 -0.54	14.63 -0.14 -0.65	12.81 -0.16 -0.78	12.97 -0.13 -0.92	12.97 -0.15 -0.92	12.98 -0.13 -0.92	13.11 -0.16 -1.09	13.50 -0.12 -1.43	14.09 -0.09 -1.99	16.67 -0.12 -2.24	19.54 -0.07 -1.88	19.58 -0.04 -1.83	16.89 -0.05 -1.50	16.12 -0.05 -0.73	9.28 0.06 -1.27
ONTARIO___LFGE 23819	10.01 0.18 -1.55	10.13 0.20 -1.36	9.53 0.19 -1.30	9.47 0.18 -1.29	9.52 0.18 -1.37	10.17 0.24 -1.46	10.62 0.17 -2.47	17.31 0.11 -1.92	16.68 0.03 -1.27	16.19 0.03 -0.71	14.91 -0.06 -0.85	13.16 -0.05 -1.02	13.32 -0.06 -1.19	13.32 -0.07 -1.21	13.33 -0.06 -1.20	13.52 -0.08 -1.42	14.04 -0.02 -1.87	14.78 -0.01 -2.60	17.52 0.04 -2.93	20.31 0.11 -2.47	20.35 0.16 -2.41	17.55 0.14 -1.97	16.53 0.14 -0.96	9.86 0.24 -1.67
ORANGEVILLE_WT_PWR 323706	10.34 0.17 -1.90	10.45 0.21 -1.67	9.85 0.21 -1.60	9.77 0.19 -1.58	9.82 0.17 -1.68	10.45 0.19 -1.79	11.08 0.06 -3.04	17.34 -0.32 -2.37	16.54 -0.41 -1.57	15.90 -0.43 -0.88	14.72 -0.45 -1.06	13.08 -0.38 -1.26	13.30 -0.37 -1.48	13.31 -0.38 -1.49	13.28 -0.40 -1.49	13.50 -0.44 -1.76	14.12 -0.39 -2.32	15.02 -0.38 -3.21	17.75 -0.41 -3.62	20.27 -0.51 -3.05	20.28 -0.48 -2.97	17.44 -0.43 -2.44	16.24 -0.39 -1.19	10.16 0.14 -2.06
ORANGEVILLE___ESR 323794	10.34 0.17 -1.90	10.45 0.21 -1.67	9.85 0.21 -1.60	9.77 0.19 -1.58	9.82 0.17 -1.68	10.45 0.19 -1.79	11.08 0.06 -3.04	17.34 -0.32 -2.37	16.54 -0.41 -1.57	15.90 -0.43 -0.88	14.72 -0.45 -1.06	13.08 -0.38 -1.26	13.30 -0.37 -1.48	13.31 -0.38 -1.49	13.28 -0.40 -1.49	13.50 -0.44 -1.76	14.12 -0.39 -2.32	15.02 -0.38 -3.21	17.75 -0.41 -3.62	20.27 -0.51 -3.05	20.28 -0.48 -2.97	17.44 -0.43 -2.44	16.24 -0.39 -1.19	10.16 0.14 -2.06
OSWEGATCHIE___HYD 24044	8.16 -0.42 -0.31	8.42 -0.43 -0.27	7.90 -0.40 -0.26	7.87 -0.38 -0.25	7.88 -0.36 -0.27	8.36 -0.41 -0.29	8.15 -0.31 -0.49	15.14 -0.52 -0.37	14.94 -0.69 -0.25	14.88 -0.71 -0.14	13.65 -0.63 -0.17	11.80 -0.58 -0.20	11.84 -0.58 -0.23	11.83 -0.60 -0.24	11.82 -0.61 -0.23	11.87 -0.58 -0.28	12.00 -0.56 -0.37	12.19 -0.51 -0.51	14.59 -0.52 -0.57	17.59 -0.62 -0.48	17.65 -0.60 -0.47	15.35 -0.46 -0.39	15.11 -0.51 -0.19	7.96 -0.32 -0.33
OSWEGO___5 23606	9.05 -0.17 -0.94	9.24 -0.16 -0.82	8.68 -0.15 -0.79	8.62 -0.16 -0.78	8.64 -0.16 -0.83	9.21 -0.15 -0.88	9.31 -0.17 -1.50	16.02 -0.43 -1.16	15.69 -0.46 -0.77	15.42 -0.46 -0.43	14.19 -0.44 -0.52	12.42 -0.39 -0.62	12.53 -0.38 -0.72	12.54 -0.38 -0.73	12.54 -0.38 -0.73	12.65 -0.39 -0.86	12.96 -0.37 -1.13	13.40 -0.37 -1.57	15.89 -0.42 -1.78	18.76 -0.46 -1.50	18.81 -0.43 -1.46	16.24 -0.39 -1.20	15.63 -0.39 -0.58	8.84 -0.12 -1.01
OSWEGO___6 23613	9.05 -0.17 -0.94	9.24 -0.16 -0.82	8.68 -0.15 -0.79	8.62 -0.16 -0.78	8.64 -0.16 -0.83	9.21 -0.15 -0.88	9.31 -0.17 -1.50	16.02 -0.43 -1.16	15.69 -0.46 -0.77	15.42 -0.46 -0.43	14.19 -0.44 -0.52	12.42 -0.39 -0.62	12.53 -0.38 -0.72	12.54 -0.38 -0.73	12.54 -0.38 -0.73	12.65 -0.39 -0.86	12.96 -0.37 -1.13	13.40 -0.37 -1.57	15.89 -0.42 -1.78	18.76 -0.46 -1.50	18.81 -0.43 -1.46	16.24 -0.39 -1.20	15.63 -0.39 -0.58	8.84 -0.12 -1.01
OUTOKUMPU-AB___DRP 24206	10.05 0.12 -1.66	10.20 0.16 -1.45	9.61 0.18 -1.39	9.54 0.16 -1.38	9.56 0.12 -1.47	10.17 0.14 -1.56	10.59 -0.04 -2.65	16.70 -0.63 -2.03	16.05 -0.69 -1.35	15.42 -0.79 -0.76	14.42 -0.61 -0.91	12.68 -0.60 -1.09	12.92 -0.55 -1.28	12.90 -0.59 -1.29	12.85 -0.63 -1.29	13.03 -0.67 -1.52	13.57 -0.62 -2.00	14.50 -0.46 -2.78	16.97 -0.70 -3.13	19.45 -0.90 -2.63	19.43 -0.91 -2.55	16.77 -0.76 -2.10	15.77 -0.68 -1.02	9.79 0.07 -1.77
OXBOW____ 24026	9.95 0.04 -1.63	10.10 0.09 -1.43	9.52 0.10 -1.37	9.45 0.09 -1.36	9.46 0.05 -1.44	10.07 0.06 -1.53	10.47 -0.11 -2.61	16.54 -0.78 -2.03	15.86 -0.88 -1.35	15.33 -0.88 -0.76	14.18 -0.85 -0.91	12.58 -0.69 -1.09	12.78 -0.68 -1.27	12.79 -0.68 -1.28	12.74 -0.73 -1.28	12.93 -0.77 -1.52	13.46 -0.72 -1.99	14.19 -0.74 -2.75	16.79 -0.84 -3.10	19.26 -1.08 -2.61	19.26 -1.07 -2.55	16.61 -0.91 -2.09	15.63 -0.82 -1.02	9.73 0.01 -1.77
OXY_CHEM_DSASP 323612	9.81 -0.08 -1.62	9.96 -0.03 -1.42	9.39 -0.01 -1.36	9.32 -0.02 -1.34	9.35 -0.05 -1.43	9.94 -0.06 -1.52	10.34 -0.22 -2.59	16.31 -0.99 -2.01	15.63 -1.09 -1.34	15.11 -1.10 -0.75	14.00 -1.02 -0.90	12.41 -0.85 -1.08	12.62 -0.83 -1.26	12.63 -0.83 -1.27	12.60 -0.87 -1.27	12.78 -0.90 -1.50	13.31 -0.85 -1.97	14.01 -0.90 -2.72	16.58 -1.03 -3.07	18.99 -1.33 -2.59	18.99 -1.32 -2.52	16.36 -1.14 -2.07	15.42 -1.02 -1.01	9.62 -0.09 -1.75
OZONE_PARK_ESR 323760	19.80 0.60 -10.92	18.80 0.63 -9.59	17.80 0.57 -9.19	17.66 0.56 -9.09	18.23 0.57 -9.69	19.37 0.60 -10.30	26.07 0.60 -17.49	29.91 1.21 -13.41	25.87 1.40 -9.08	22.04 1.48 -5.10	21.65 1.35 -6.18	20.62 1.21 -7.22	22.12 1.21 -8.72	22.12 1.22 -8.71	22.11 1.21 -8.72	23.56 1.17 -10.21	26.78 1.10 -13.49	31.90 1.05 -18.66	36.95 1.28 -21.13	36.68 1.52 -17.43	36.13 1.49 -16.85	30.55 1.30 -13.82	23.40 1.23 -6.74	20.24 0.61 -11.67
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	9.84 -0.08 -1.64	9.99 -0.03 -1.44	9.42 -0.01 -1.38	9.35 -0.02 -1.37	9.38 -0.05 -1.46	9.97 -0.06 -1.55	10.38 -0.22 -2.63	16.31 -0.99 -2.02	15.68 -1.05 -1.34	15.06 -1.14 -0.75	14.12 -0.90 -0.91	12.42 -0.85 -1.08	12.66 -0.80 -1.27	12.64 -0.83 -1.28	12.60 -0.87 -1.28	12.79 -0.90 -1.51	13.32 -0.85 -1.99	14.22 -0.72 -2.75	16.61 -1.03 -3.10	19.00 -1.33 -2.60	18.99 -1.32 -2.53	16.37 -1.14 -2.08	15.43 -1.02 -1.01	9.62 -0.09 -1.76
PACKARD___115KV_DUPONT_184 80571	9.84 -0.08 -1.64	9.99 -0.03 -1.44	9.42 -0.01 -1.38	9.35 -0.02 -1.37	9.38 -0.05 -1.46	9.97 -0.06 -1.55	10.38 -0.22 -2.63	16.31 -0.99 -2.02	15.68 -1.05 -1.34	15.06 -1.14 -0.75	14.12 -0.90 -0.91	12.42 -0.85 -1.08	12.66 -0.80 -1.27	12.64 -0.83 -1.28	12.60 -0.87 -1.28	12.79 -0.90 -1.51	13.32 -0.85 -1.99	14.22 -0.72 -2.75	16.61 -1.03 -3.10	19.00 -1.33 -2.60	18.99 -1.32 -2.53	16.37 -1.14 -2.08	15.43 -1.02 -1.01	9.62 -0.09 -1.76
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	19.74 0.54 -10.92	18.73 0.56 -9.59	17.75 0.51 -9.19	17.59 0.50 -9.09	18.17 0.50 -9.70	19.29 0.52 -10.30	25.96 0.49 -17.49	29.69 0.99 -13.41	25.67 1.20 -9.08	21.85 1.30 -5.10	21.48 1.19 -6.18	20.48 1.06 -7.22	21.96 1.05 -8.72	21.97 1.06 -8.72	21.95 1.05 -8.72	23.40 1.01 -10.21	26.62 0.94 -13.50	31.73 0.88 -18.66	36.76 1.09 -21.13	36.46 1.29 -17.43	35.88 1.24 -16.85	30.32 1.06 -13.82	23.20 1.03 -6.74	20.19 0.56 -11.67

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	19.81 0.60 -10.92	18.80 0.63 -9.59	17.81 0.58 -9.19	17.66 0.56 -9.09	18.23 0.57 -9.70	19.36 0.58 -10.30	25.99 0.52 -17.49	29.74 1.04 -13.41	25.73 1.26 -9.08	21.96 1.41 -5.10	21.55 1.26 -6.18	20.55 1.13 -7.22	22.02 1.11 -8.72	21.97 1.06 -8.72	21.97 1.06 -8.72	23.41 1.02 -10.21	26.62 0.94 -13.50	31.73 0.88 -18.66	36.78 1.11 -21.13	36.47 1.31 -17.43	35.90 1.26 -16.85	30.41 1.16 -13.82	23.30 1.13 -6.74	20.25 0.62 -11.67
PATROON__115KV_TB1 80586	22.26 0.16 -13.83	20.87 0.15 -12.14	19.85 0.18 -11.63	19.69 0.18 -11.51	20.40 0.16 -12.27	21.69 0.18 -13.03	30.26 0.14 -22.14	32.51 0.24 -16.97	26.75 0.34 -11.03	22.00 0.37 -6.18	21.77 0.32 -7.33	21.45 0.29 -8.97	22.61 0.24 -10.18	22.86 0.26 -10.42	22.84 0.26 -10.39	24.81 0.26 -12.37	28.67 0.28 -16.20	35.05 0.29 -22.57	40.23 0.33 -25.35	39.91 0.41 -21.77	39.54 0.43 -21.33	33.30 0.37 -17.49	24.32 0.35 -8.53	22.90 0.17 -14.78
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	10.08 0.05 -1.76	10.22 0.09 -1.54	9.63 0.10 -1.48	9.55 0.09 -1.46	9.58 0.06 -1.56	10.19 0.06 -1.66	10.72 -0.07 -2.81	16.87 -0.58 -2.16	16.16 -0.66 -1.44	15.52 -0.74 -0.81	14.48 -0.61 -0.97	12.76 -0.59 -1.15	13.00 -0.55 -1.36	12.99 -0.57 -1.37	12.94 -0.62 -1.37	13.14 -0.66 -1.61	13.72 -0.60 -2.13	14.70 -0.44 -2.95	17.21 -0.65 -3.33	19.68 -0.83 -2.79	19.67 -0.82 -2.71	16.93 -0.73 -2.22	15.85 -0.66 -1.08	9.85 0.02 -1.88
PAWLING_115_KV_BK3_REV_LBMP_H 345028	19.91 0.52 -11.11	18.89 0.56 -9.76	17.90 0.51 -9.35	17.76 0.51 -9.25	18.33 0.50 -9.86	19.48 0.53 -10.47	26.30 0.53 -17.80	30.00 1.07 -13.64	25.82 1.20 -9.24	21.85 1.21 -5.19	21.51 1.12 -6.28	20.51 0.98 -7.35	22.02 0.96 -8.87	22.04 0.99 -8.86	22.03 0.98 -8.86	23.51 0.95 -10.38	26.84 0.93 -13.72	32.11 0.94 -18.98	37.12 1.09 -21.49	36.84 1.38 -17.73	36.28 1.35 -17.14	30.63 1.14 -14.06	23.40 1.11 -6.85	20.36 0.53 -11.88
PEEKSKILL____ 23653	19.64 0.48 -10.88	18.71 0.51 -9.62	17.72 0.47 -9.21	17.59 0.46 -9.12	18.15 0.46 -9.72	19.30 0.50 -10.33	26.01 0.49 -17.55	29.68 0.96 -13.43	25.60 1.14 -9.08	21.70 1.14 -5.10	21.37 1.09 -6.17	20.36 0.94 -7.23	21.85 0.95 -8.71	21.85 0.95 -8.71	21.84 0.94 -8.71	23.30 0.91 -10.21	26.54 0.87 -13.49	31.69 0.84 -18.66	36.66 1.00 -21.12	36.42 1.24 -17.45	35.87 1.21 -16.88	30.31 1.03 -13.84	23.18 1.00 -6.75	20.14 0.50 -11.69
PGE MADISON__WINDPWR 24146	11.79 0.58 -2.93	11.81 0.66 -2.57	11.11 0.61 -2.46	11.04 0.61 -2.43	11.17 0.61 -2.59	11.99 0.75 -2.76	13.36 0.70 -4.68	21.98 1.67 -5.02	20.12 1.41 -3.32	18.60 1.28 -1.86	17.48 1.13 -2.23	15.79 0.93 -2.68	16.15 0.84 -3.12	16.18 0.83 -3.16	16.07 0.72 -3.16	16.65 0.74 -3.73	17.94 0.84 -4.91	19.97 0.96 -6.81	23.50 1.28 -7.68	26.21 2.00 -6.48	26.17 2.08 -6.31	22.55 1.94 -5.18	19.88 1.93 -2.52	13.34 1.02 -4.37
PIERCEFIELD__HYD 23852	7.92 -0.50 -0.15	8.17 -0.54 -0.13	7.67 -0.50 -0.12	7.67 -0.46 -0.12	7.67 -0.43 -0.13	8.07 -0.54 -0.14	7.80 -0.41 -0.24	14.89 -0.58 -0.18	14.72 -0.78 -0.12	14.78 -0.74 -0.07	13.52 -0.68 -0.08	11.68 -0.61 -0.10	11.70 -0.61 -0.11	11.66 -0.65 -0.12	11.66 -0.65 -0.12	11.71 -0.61 -0.14	11.75 -0.62 -0.18	11.82 -0.62 -0.25	14.21 -0.61 -0.28	17.08 -0.89 -0.24	17.09 -0.92 -0.23	14.93 -0.69 -0.19	14.80 -0.73 -0.09	7.63 -0.49 -0.16
PINELAWN_CC_1 323563	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.69 -9.28	19.47 0.71 -10.79	24.86 0.76 -15.62	31.49 0.77 -22.74	32.14 1.47 -15.38	33.12 1.60 -16.14	31.35 1.53 -14.37	27.99 1.51 -12.37	26.03 1.21 -12.63	27.89 1.29 -14.41	26.89 1.29 -13.41	27.91 1.28 -14.44	28.42 1.24 -15.00	34.45 1.16 -21.10	39.07 1.12 -25.75	45.94 1.35 -30.04	38.61 1.67 -19.22	59.57 1.65 -40.13	34.49 1.36 -17.70	28.10 1.40 -11.26	29.01 0.72 -20.35
PJM_GEN_HTP_PROXY 323702	19.80 0.53 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.27	18.38 0.52 -9.89	19.53 0.55 -10.50	26.36 0.54 -17.84	30.03 1.09 -13.66	25.93 1.31 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.63 1.07 -10.38	26.90 0.99 -13.72	32.11 0.94 -18.98	37.17 1.15 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
PJM_GEN_KEystone 24065	15.25 0.27 -6.70	14.64 0.30 -5.76	13.85 0.29 -5.52	13.74 0.28 -5.46	14.06 0.27 -5.82	14.96 0.30 -6.18	18.72 0.24 -10.51	23.64 0.29 -8.06	21.16 0.34 -5.44	18.85 0.34 -3.05	18.11 0.31 -3.69	16.81 0.28 -4.34	17.67 0.28 -5.20	17.68 0.28 -5.21	17.68 0.28 -5.21	18.53 0.24 -6.11	20.50 0.24 -8.07	23.57 0.22 -11.16	27.46 0.29 -12.63	28.55 0.35 -10.47	28.27 0.36 -10.13	24.02 0.28 -8.31	19.79 0.31 -4.05	15.26 0.29 -7.02
PJM_GEN_NEPTUNE_PROXY 323594	21.94 0.65 -13.02	20.15 0.69 -10.88	18.33 0.64 -9.65	17.89 0.61 -9.28	18.98 0.62 -10.39	22.50 0.67 -13.35	29.21 0.65 -20.58	31.18 1.27 -14.62	29.12 1.41 -12.32	25.44 1.39 -8.60	24.47 1.36 -9.00	23.02 1.12 -9.71	24.70 1.17 -11.34	24.26 1.17 -10.89	24.70 1.16 -11.35	25.75 1.12 -12.45	30.25 1.04 -17.02	35.20 1.00 -22.01	41.06 1.21 -25.31	37.60 1.47 -18.41	46.66 1.44 -27.44	32.35 1.22 -15.70	25.51 1.25 -8.83	23.61 0.63 -15.03
PJM_GEN_VFT_PROXY 323633	19.76 0.49 -11.00	18.90 0.54 -9.78	17.90 0.49 -9.37	17.76 0.48 -9.28	18.34 0.49 -9.89	19.49 0.51 -10.50	26.32 0.50 -17.84	29.97 1.02 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.86 0.95 -13.72	32.05 0.88 -18.98	37.07 1.05 -21.48	36.73 1.26 -17.75	36.17 1.23 -17.16	30.60 1.10 -14.08	23.36 1.06 -6.86	20.37 0.52 -11.89
PLATSBRG_115KV_PMLD1 355749	8.52 0.18 -0.06	8.79 0.15 -0.05	8.22 0.13 -0.05	8.17 0.11 -0.05	8.07 0.05 -0.06	8.53 -0.01 -0.06	8.13 0.06 -0.10	15.66 0.29 -0.08	15.51 0.08 -0.05	14.11 0.03 -0.03	12.15 -0.04 -0.03	12.14 -0.09 -0.04	12.14 -0.10 -0.05	12.12 -0.12 -0.05	12.10 -0.13 -0.05	12.14 -0.10 -0.06	12.12 -0.15 -0.07	12.14 -0.16 -0.10	14.57 -0.09 -0.12	17.65 -0.18 -0.10	17.52 -0.36 -0.10	15.02 -0.49 -0.08	14.90 -0.57 -0.04	7.68 -0.34 -0.07
PLEASANTVLY__LBMP 24000	20.16 0.42 -11.46	19.09 0.45 -10.06	18.10 0.42 -9.64	17.96 0.42 -9.54	18.55 0.41 -10.17	19.72 0.45 -10.80	26.75 0.42 -18.35	30.18 0.83 -14.06	25.87 0.95 -9.53	21.81 1.00 -5.35	21.50 0.90 -6.48	20.57 0.80 -7.58	22.15 0.80 -9.15	22.15 0.82 -9.14	22.14 0.80 -9.15	23.67 0.78 -10.71	27.09 0.74 -14.16	32.49 0.72 -19.58	37.57 0.86 -22.17	37.08 1.06 -18.29	36.51 1.05 -17.68	30.82 0.90 -14.50	23.38 0.88 -7.07	20.63 0.44 -12.24
PLSNTVLE_13_KV_13.8KVDIST 80602	19.78 0.50 -11.00	18.77 0.53 -9.66	17.78 0.48 -9.25	17.64 0.48 -9.16	18.21 0.48 -9.77	19.36 0.52 -10.37	26.11 0.51 -17.62	29.81 1.01 -13.51	25.69 1.15 -9.15	21.80 1.21 -5.14	21.43 1.09 -6.23	20.43 0.96 -7.28	21.94 0.96 -8.79	21.94 0.98 -8.78	21.95 0.98 -8.78	23.40 0.94 -10.28	26.67 0.89 -13.59	31.86 0.87 -18.80	36.87 1.05 -21.28	36.56 1.28 -17.56	36.00 1.24 -16.98	30.42 1.06 -13.92	23.25 1.03 -6.79	20.22 0.51 -11.76

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	19.78 0.50 -11.00	18.77 0.53 -9.66	17.78 0.48 -9.25	17.64 0.48 -9.16	18.21 0.48 -9.77	19.36 0.52 -10.37	26.11 0.51 -17.62	29.81 1.01 -13.51	25.69 1.15 -9.15	21.80 1.21 -5.14	21.43 1.09 -6.23	20.43 0.96 -7.28	21.94 0.96 -8.79	21.94 0.98 -8.78	21.95 0.98 -8.78	23.40 0.94 -10.28	26.67 0.89 -13.59	31.86 0.87 -18.80	36.87 1.05 -21.28	36.56 1.28 -17.56	36.00 1.24 -16.98	30.42 1.06 -13.92	23.25 1.03 -6.79	20.22 0.51 -11.76
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	20.08 0.46 -11.34	19.01 0.47 -9.96	18.02 0.43 -9.54	17.88 0.43 -9.44	18.47 0.44 -10.07	19.65 0.48 -10.69	26.61 0.47 -18.17	30.13 0.92 -13.92	25.74 1.02 -9.35	21.78 1.08 -5.25	21.40 0.96 -6.33	20.50 0.84 -7.47	21.93 0.84 -8.90	21.98 0.85 -8.94	21.96 0.84 -8.93	23.49 0.82 -10.50	26.80 0.76 -13.85	32.13 0.76 -19.18	37.14 0.92 -21.68	36.96 1.19 -18.05	36.47 1.19 -17.50	30.80 1.02 -14.35	23.42 0.99 -7.00	20.57 0.49 -12.12
POLETTI____ 23519	19.72 0.52 -10.92	18.74 0.57 -9.59	17.74 0.51 -9.19	17.60 0.50 -9.09	18.17 0.51 -9.69	19.31 0.54 -10.30	26.00 0.53 -17.49	29.75 1.06 -13.41	25.73 1.26 -9.08	21.91 1.36 -5.10	21.54 1.24 -6.18	20.52 1.11 -7.22	22.01 1.10 -8.72	22.01 1.11 -8.71	22.00 1.10 -8.72	23.45 1.06 -10.21	26.66 0.98 -13.49	31.78 0.93 -18.66	36.77 1.11 -21.13	36.49 1.33 -17.43	35.93 1.30 -16.85	30.38 1.13 -13.82	23.27 1.10 -6.74	20.17 0.55 -11.67
PORT_JEFF_3 23555	23.68 0.78 -14.62	21.17 0.83 -11.76	18.68 0.76 -9.87	18.01 0.74 -9.28	19.51 0.76 -10.79	24.90 0.81 -15.62	31.54 0.82 -22.74	32.23 1.56 -15.38	33.20 1.68 -16.14	31.61 1.61 -14.55	28.06 1.58 -12.37	26.08 1.26 -12.63	27.96 1.35 -14.41	26.94 1.34 -13.41	27.97 1.34 -14.44	28.46 1.28 -15.00	34.50 1.21 -21.10	39.13 1.18 -25.75	46.01 1.43 -30.04	38.70 1.76 -19.22	59.66 1.74 -40.13	34.55 1.42 -17.70	28.16 1.47 -11.26	29.22 0.76 -20.51
PORT_JEFF_4 23616	23.68 0.78 -14.62	21.17 0.83 -11.76	18.68 0.76 -9.87	18.01 0.74 -9.28	19.51 0.76 -10.79	24.90 0.81 -15.62	31.54 0.82 -22.74	32.23 1.56 -15.38	33.20 1.68 -16.14	31.61 1.61 -14.55	28.06 1.58 -12.37	26.08 1.26 -12.63	27.96 1.35 -14.41	26.94 1.34 -13.41	27.97 1.34 -14.44	28.46 1.28 -15.00	34.50 1.21 -21.10	39.13 1.18 -25.75	46.01 1.43 -30.04	38.70 1.76 -19.22	59.66 1.74 -40.13	34.55 1.42 -17.70	28.16 1.47 -11.26	29.22 0.76 -20.51
PORT_JEFF_IC 23713	23.70 0.79 -14.62	21.18 0.84 -11.76	18.69 0.78 -9.87	18.02 0.74 -9.28	19.52 0.77 -10.79	24.92 0.82 -15.62	31.56 0.84 -22.74	32.26 1.59 -15.38	33.23 1.71 -16.14	31.62 1.62 -14.54	28.09 1.61 -12.37	26.08 1.26 -12.63	27.98 1.38 -14.41	26.96 1.37 -13.41	27.99 1.37 -14.44	28.47 1.29 -15.00	34.53 1.23 -21.10	39.15 1.21 -25.75	46.05 1.47 -30.04	38.76 1.81 -19.22	59.71 1.80 -40.13	34.58 1.45 -17.70	28.19 1.50 -11.26	29.22 0.76 -20.50
PPL PILGRIM_ST_GT1 24216	23.68 0.78 -14.62	21.16 0.82 -11.76	18.68 0.76 -9.87	18.01 0.73 -9.28	19.51 0.75 -10.79	24.90 0.81 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.18 1.66 -16.14	31.56 1.59 -14.52	28.06 1.58 -12.37	26.09 1.27 -12.63	27.96 1.35 -14.41	26.94 1.34 -13.41	27.96 1.33 -14.44	28.46 1.28 -15.00	34.49 1.20 -21.10	39.07 1.12 -25.75	45.85 1.26 -30.04	38.49 1.54 -19.22	59.45 1.53 -40.13	34.55 1.42 -17.70	28.19 1.50 -11.26	29.21 0.77 -20.48
PPL PILGRIM_ST_GT2 24217	23.68 0.78 -14.62	21.16 0.82 -11.76	18.68 0.76 -9.87	18.01 0.73 -9.28	19.51 0.75 -10.79	24.90 0.81 -15.62	31.53 0.81 -22.74	32.20 1.53 -15.38	33.18 1.66 -16.14	31.56 1.59 -14.52	28.06 1.58 -12.37	26.09 1.27 -12.63	27.96 1.35 -14.41	26.94 1.34 -13.41	27.96 1.33 -14.44	28.46 1.28 -15.00	34.49 1.20 -21.10	39.07 1.12 -25.75	45.85 1.26 -30.04	38.49 1.54 -19.22	59.45 1.53 -40.13	34.55 1.42 -17.70	28.19 1.50 -11.26	29.21 0.77 -20.48
PPL_SHRM_GT3 24213	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.69 -9.28	19.47 0.71 -10.79	24.85 0.75 -15.62	31.49 0.77 -22.74	32.09 1.42 -15.38	33.03 1.51 -16.14	31.47 1.47 -14.54	27.87 1.38 -12.37	25.93 1.11 -12.63	27.77 1.17 -14.41	26.76 1.16 -13.41	27.80 1.17 -14.44	28.28 1.10 -15.00	34.36 1.06 -21.10	38.98 1.04 -25.75	45.88 1.29 -30.04	38.54 1.60 -19.22	59.50 1.58 -40.13	34.44 1.31 -17.70	28.05 1.36 -11.26	29.14 0.68 -20.51
PPL_SHRM_GT4 24214	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.69 -9.28	19.47 0.71 -10.79	24.85 0.75 -15.62	31.49 0.77 -22.74	32.09 1.42 -15.38	33.03 1.51 -16.14	31.47 1.47 -14.54	27.87 1.38 -12.37	25.93 1.11 -12.63	27.77 1.17 -14.41	26.76 1.16 -13.41	27.80 1.17 -14.44	28.28 1.10 -15.00	34.36 1.06 -21.10	38.98 1.04 -25.75	45.88 1.29 -30.04	38.54 1.60 -19.22	59.50 1.58 -40.13	34.44 1.31 -17.70	28.05 1.36 -11.26	29.14 0.68 -20.51
PROJECT____ORANGE 1 24174	9.33 -0.03 -1.09	9.51 -0.03 -0.95	8.93 -0.02 -0.91	8.87 -0.03 -0.90	8.90 -0.03 -0.96	9.48 -0.02 -1.02	9.70 -0.02 -1.74	16.47 -0.15 -1.33	16.10 -0.17 -0.89	15.78 -0.17 -0.50	14.57 -0.14 -0.60	12.74 -0.16 -0.71	12.90 -0.13 -0.84	12.89 -0.15 -0.85	12.90 -0.13 -0.85	13.02 -0.16 -1.00	13.36 -0.15 -1.31	13.90 -0.11 -1.82	16.44 -0.16 -2.06	19.31 -0.14 -1.72	19.35 -0.11 -1.68	16.70 -0.11 -1.37	15.99 -0.11 -0.67	9.15 0.03 -1.16
PROJECT____ORANGE 2 24166	9.33 -0.03 -1.09	9.51 -0.03 -0.95	8.93 -0.02 -0.91	8.87 -0.03 -0.90	8.90 -0.03 -0.96	9.48 -0.02 -1.02	9.70 -0.02 -1.74	16.47 -0.15 -1.33	16.10 -0.17 -0.89	15.78 -0.17 -0.50	14.57 -0.14 -0.60	12.74 -0.16 -0.71	12.90 -0.13 -0.84	12.89 -0.15 -0.85	12.90 -0.13 -0.85	13.02 -0.16 -1.00	13.36 -0.15 -1.31	13.90 -0.11 -1.82	16.44 -0.16 -2.06	19.31 -0.14 -1.72	19.35 -0.11 -1.68	16.70 -0.11 -1.37	15.99 -0.11 -0.67	9.15 0.03 -1.16
PUCKETT____SOLAR 323809	11.72 0.27 -3.17	11.67 0.31 -2.78	10.99 0.29 -2.66	10.91 0.28 -2.63	11.05 0.28 -2.81	11.80 0.34 -2.98	13.34 0.30 -5.06	20.04 0.44 -4.30	18.56 0.32 -2.85	17.30 0.25 -1.60	16.20 0.17 -1.91	14.62 0.13 -2.29	14.99 0.12 -2.68	15.02 0.12 -2.71	15.01 0.11 -2.71	15.48 0.10 -3.20	16.56 0.16 -4.21	18.25 0.22 -5.84	21.46 0.33 -6.58	23.83 0.55 -5.55	23.79 0.60 -5.41	20.38 0.51 -4.44	18.12 0.52 -2.16	12.06 0.36 -3.75
PYRITES____HYD 24023	8.06 -0.36 -0.14	8.33 -0.37 -0.12	7.82 -0.34 -0.12	7.82 -0.30 -0.12	7.83 -0.26 -0.12	8.26 -0.35 -0.13	7.93 -0.27 -0.22	15.16 -0.31 -0.17	14.96 -0.54 -0.11	15.08 -0.43 -0.06	13.81 -0.38 -0.08	11.92 -0.37 -0.09	11.92 -0.38 -0.11	11.84 -0.46 -0.11	11.84 -0.46 -0.11	11.87 -0.44 -0.13	11.93 -0.43 -0.17	12.00 -0.43 -0.23	14.43 -0.38 -0.26	17.44 -0.51 -0.22	17.45 -0.55 -0.22	15.29 -0.32 -0.18	15.16 -0.35 -0.09	7.80 -0.30 -0.15
QUAKERRD_115KV_BK1 80622	9.45 -0.12 -1.29	9.60 -0.11 -1.13	9.03 -0.10 -1.08	8.98 -0.10 -1.07	9.01 -0.10 -1.14	9.60 -0.08 -1.21	9.89 -0.15 -2.06	16.32 -0.55 -1.58	15.83 -0.60 -1.05	15.39 -0.65 -0.59	14.30 -0.52 -0.71	12.53 -0.50 -0.84	12.71 -0.48 -0.99	12.69 -0.50 -1.00	12.68 -0.51 -1.00	12.82 -0.54 -1.18	13.26 -0.49 -1.55	13.93 -0.41 -2.16	16.41 -0.57 -2.43	19.08 -0.69 -2.04	19.09 -0.68 -1.98	16.47 -0.59 -1.63	15.65 -0.57 -0.79	9.25 -0.08 -1.37

QUENSBRY_115KV_TB8 356137	23.09 0.35 -14.47	21.64 0.36 -12.70	20.54 0.33 -12.17	20.37 0.32 -12.04	21.14 0.33 -12.84	22.52 0.41 -13.64	31.57 0.42 -23.17	33.80 0.75 -17.76	27.76 0.77 -11.61	22.59 0.63 -6.51	22.37 0.51 -7.74	22.03 0.43 -9.41	23.39 0.43 -10.77	23.69 0.51 -10.99	23.65 0.50 -10.96	25.73 0.52 -13.02	29.90 0.63 -17.08	36.67 0.72 -23.76	42.11 0.84 -26.73	41.56 1.01 -22.82	41.21 1.10 -22.32	34.60 0.86 -18.31	25.17 0.82 -8.92	23.80 0.39 -15.46
RAMAPO____LBMP 323565	19.23 0.47 -10.48	18.27 0.49 -9.20	17.31 0.45 -8.81	17.17 0.45 -8.72	17.72 0.45 -9.30	18.84 0.48 -9.88	25.24 0.48 -16.78	29.09 0.93 -12.86	25.15 1.06 -8.70	21.47 1.13 -4.89	21.04 1.02 -5.91	20.02 0.90 -6.93	21.43 0.90 -8.34	21.44 0.90 -8.34	21.44 0.90 -8.34	22.83 0.88 -9.78	25.94 0.83 -12.92	30.87 0.80 -17.87	35.74 0.97 -20.23	35.65 1.21 -16.72	35.14 1.19 -16.17	29.70 1.00 -13.26	22.88 0.99 -6.46	19.65 0.49 -11.20
RANKINE____ 23646	10.16 0.14 -1.74	10.30 0.19 -1.53	9.71 0.20 -1.46	9.63 0.18 -1.45	9.66 0.14 -1.55	10.28 0.16 -1.64	10.78 0.02 -2.79	16.95 -0.47 -2.14	16.25 -0.55 -1.42	15.60 -0.65 -0.80	14.58 -0.49 -0.96	12.85 -0.49 -1.14	13.09 -0.45 -1.35	13.07 -0.48 -1.36	13.02 -0.52 -1.36	13.22 -0.56 -1.60	13.78 -0.51 -2.11	14.76 -0.35 -2.92	17.27 -0.57 -3.29	19.76 -0.73 -2.76	19.75 -0.71 -2.69	17.02 -0.62 -2.20	15.95 -0.56 -1.07	9.92 0.10 -1.86
RAVENSWOOD_GT2_1 24244	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.39 0.55 -11.89
RAVENSWOOD_GT2_2 24245	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.39 0.55 -11.89
RAVENSWOOD_GT2_3 24246	19.81 0.53 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.53 0.55 -10.50	26.36 0.54 -17.84	30.03 1.09 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.11 0.94 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT2_4 24247	19.81 0.53 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.53 0.55 -10.50	26.36 0.54 -17.84	30.03 1.09 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.11 0.94 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT3_1 24248	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.15 1.10 -8.86	22.15 1.10 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT3_2 24249	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.15 1.10 -8.86	22.15 1.10 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT3_3 24250	19.81 0.54 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.53 0.55 -10.50	26.37 0.55 -17.84	30.05 1.10 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.16 1.11 -8.86	23.63 1.07 -10.38	26.91 1.00 -13.72	32.11 0.94 -18.98	37.17 1.15 -21.48	36.86 1.38 -17.75	36.30 1.35 -17.16	30.68 1.17 -14.08	23.42 1.13 -6.86	20.41 0.56 -11.89
RAVENSWOOD_GT3_4 24251	19.81 0.54 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.53 0.55 -10.50	26.37 0.55 -17.84	30.05 1.10 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.16 1.11 -8.86	23.63 1.07 -10.38	26.91 1.00 -13.72	32.11 0.94 -18.98	37.17 1.15 -21.48	36.86 1.38 -17.75	36.30 1.35 -17.16	30.68 1.17 -14.08	23.42 1.13 -6.86	20.41 0.56 -11.89
RAVENSWOOD_GT_1 23729	19.82 0.55 -11.00	18.94 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.38 0.52 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.93 1.31 -9.24	21.98 1.34 -5.19	21.69 1.30 -6.28	20.66 1.12 -7.35	22.19 1.13 -8.86	22.19 1.13 -8.86	22.17 1.12 -8.86	23.64 1.08 -10.38	26.91 1.00 -13.72	32.11 0.94 -18.98	37.19 1.16 -21.48	36.86 1.38 -17.75	36.28 1.33 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.41 0.56 -11.89
RAVENSWOOD_GT_10 24258	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.15 1.10 -8.86	22.15 1.10 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT_11 24259	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.15 1.10 -8.86	22.15 1.10 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT_4 24252	19.81 0.53 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.53 0.55 -10.50	26.36 0.54 -17.84	30.03 1.09 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89

RAVENSWOOD_GT_5 24254	19.81 0.53 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.53 0.55 -10.50	26.36 0.54 -17.84	30.03 1.09 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT_6 24253	19.81 0.53 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.53 0.55 -10.50	26.36 0.54 -17.84	30.03 1.09 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT_7 24255	19.81 0.53 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.53 0.55 -10.50	26.36 0.54 -17.84	30.03 1.09 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.67 1.16 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.15 1.10 -8.86	22.15 1.10 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD_GT_9 24257	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.65 1.26 -6.28	20.64 1.10 -7.35	22.15 1.10 -8.86	22.15 1.10 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD___1 23533	19.81 0.54 -11.00	18.93 0.57 -9.78	17.94 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.35 0.53 -17.84	30.02 1.07 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.68 1.28 -6.28	20.66 1.12 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.16 1.11 -8.86	23.63 1.07 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.17 1.15 -21.48	36.84 1.38 -17.75	36.26 1.33 -17.16	30.64 1.14 -14.08	23.39 1.10 -6.86	20.41 0.56 -11.89
RAVENSWOOD___2 23534	19.81 0.54 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.37 0.51 -9.89	19.51 0.53 -10.50	26.35 0.53 -17.84	30.00 1.05 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.68 1.28 -6.28	20.65 1.11 -7.35	22.17 1.12 -8.86	22.17 1.12 -8.86	22.16 1.11 -8.86	23.63 1.07 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.17 1.15 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.39 1.10 -6.86	20.40 0.56 -11.89
RAVENSWOOD___3 23535	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.79 0.51 -9.28	18.37 0.51 -9.89	19.52 0.54 -10.50	26.36 0.53 -17.84	30.03 1.09 -13.66	25.92 1.29 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.64 1.10 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.15 1.10 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.16 1.13 -21.48	36.84 1.37 -17.75	36.28 1.33 -17.16	30.65 1.14 -14.08	23.41 1.11 -6.86	20.40 0.56 -11.89
RAVENSWOOD___4 23820	19.81 0.53 -11.00	18.93 0.57 -9.78	17.93 0.52 -9.37	17.78 0.50 -9.28	18.36 0.50 -9.89	19.51 0.53 -10.50	26.35 0.53 -17.84	30.00 1.05 -13.66	25.90 1.28 -9.24	21.97 1.33 -5.19	21.67 1.27 -6.28	20.65 1.11 -7.35	22.16 1.11 -8.86	22.16 1.11 -8.86	22.16 1.11 -8.86	23.62 1.06 -10.38	26.90 0.99 -13.72	32.10 0.93 -18.98	37.17 1.15 -21.48	36.84 1.37 -17.75	36.26 1.32 -17.16	30.64 1.13 -14.08	23.37 1.08 -6.86	20.40 0.56 -11.89
RCPL_TRUST___DRP 24196	19.75 0.55 -10.92	18.75 0.58 -9.59	17.77 0.54 -9.19	17.62 0.53 -9.09	18.20 0.53 -9.69	19.34 0.57 -10.30	26.04 0.57 -17.49	29.83 1.13 -13.41	25.79 1.32 -9.08	21.96 1.41 -5.10	21.58 1.28 -6.18	20.56 1.15 -7.22	22.04 1.13 -8.72	22.05 1.15 -8.71	22.05 1.15 -8.71	23.49 1.11 -10.21	26.71 1.02 -13.49	31.83 0.98 -18.66	36.85 1.18 -21.13	36.58 1.42 -17.43	36.02 1.39 -16.85	30.44 1.19 -13.82	23.31 1.14 -6.74	20.20 0.57 -11.67
RED___ROCHESTER 323720	9.76 0.15 -1.34	9.91 0.15 -1.17	9.32 0.15 -1.12	9.26 0.15 -1.11	9.30 0.14 -1.18	9.91 0.18 -1.26	10.20 0.09 -2.14	16.81 -0.14 -1.66	16.26 -0.22 -1.10	15.80 -0.26 -0.61	14.62 -0.23 -0.74	12.87 -0.21 -0.88	13.05 -0.17 -1.03	13.06 -0.17 -1.04	13.04 -0.20 -1.04	13.19 -0.22 -1.23	13.64 -0.17 -1.62	14.22 -0.22 -2.25	16.89 -0.19 -2.54	19.60 -0.27 -2.14	19.63 -0.23 -2.09	16.91 -0.23 -1.71	16.06 -0.20 -0.83	9.56 0.16 -1.44
REGAN___SOLAR 323812	25.43 0.86 -16.29	23.81 0.90 -14.33	22.59 0.82 -13.73	22.39 0.80 -13.59	23.29 0.84 -14.49	24.83 0.97 -15.38	34.95 0.84 -26.14	36.82 1.45 -20.08	29.93 1.39 -13.17	24.12 1.28 -7.38	23.93 1.02 -8.80	23.75 0.90 -10.65	25.32 0.87 -12.26	25.56 0.89 -12.48	25.51 0.87 -12.45	27.87 0.91 -14.78	32.65 1.07 -19.39	40.40 1.24 -26.96	46.44 1.56 -30.35	45.51 1.95 -25.83	45.04 2.03 -25.23	38.10 1.98 -20.69	27.34 1.82 -10.09	26.35 0.92 -17.48
RENSSELAER___COGEN 23796	22.11 0.12 -13.71	20.79 0.13 -12.08	19.76 0.15 -11.57	19.60 0.14 -11.45	20.31 0.14 -12.21	21.59 0.15 -12.96	30.13 0.12 -22.03	32.37 0.20 -16.88	26.67 0.29 -10.99	21.89 0.28 -6.16	21.75 0.31 -7.32	21.36 0.24 -8.93	22.58 0.22 -10.17	22.79 0.21 -10.39	22.77 0.21 -10.37	24.72 0.21 -12.34	28.58 0.23 -16.16	34.92 0.23 -22.50	40.11 0.28 -25.29	39.73 0.34 -21.67	39.35 0.36 -21.22	33.12 0.29 -17.40	24.22 0.31 -8.48	22.79 0.14 -14.70
REPUBLIC_115KV_BARTNBRK 55605	23.42 0.69 -14.46	21.99 0.72 -12.69	20.87 0.67 -12.16	20.68 0.65 -12.03	21.48 0.69 -12.83	22.91 0.81 -13.62	31.92 0.80 -23.15	34.47 1.44 -17.74	28.68 1.71 -11.58	23.46 1.51 -6.49	23.09 1.26 -7.72	22.61 1.02 -9.40	23.71 0.78 -10.74	24.02 0.87 -10.96	23.98 0.85 -10.94	26.09 0.91 -13.00	30.31 1.08 -17.04	37.14 1.23 -23.71	42.67 1.47 -26.67	42.28 1.76 -22.79	42.09 2.01 -22.30	35.40 1.68 -18.29	25.91 1.56 -8.92	24.17 0.77 -15.45
REVERE_CPPR_DRP 24186	8.94 0.21 -0.45	9.22 0.24 -0.40	8.64 0.22 -0.38	8.59 0.21 -0.38	8.59 0.22 -0.40	9.19 0.29 -0.43	8.95 0.25 -0.73	16.23 0.38 -0.56	16.05 0.29 -0.37	15.94 0.28 -0.21	14.66 0.30 -0.25	12.70 0.21 -0.30	12.74 0.20 -0.35	12.70 0.16 -0.35	12.65 0.11 -0.35	12.74 0.15 -0.42	12.92 0.18 -0.55	13.22 0.27 -0.76	15.76 0.36 -0.86	19.09 0.64 -0.72	19.16 0.68 -0.70	16.66 0.65 -0.58	16.33 0.62 -0.28	8.76 0.33 -0.49

REYNOLDS_115KV_TB3 80639	22.15 0.21 -13.66	20.78 0.21 -12.00	19.74 0.21 -11.49	19.58 0.21 -11.37	20.29 0.20 -12.13	21.58 0.23 -12.88	30.06 0.20 -21.88	32.40 0.34 -16.77	26.67 0.43 -10.85	21.95 0.42 -6.08	21.68 0.37 -7.20	21.38 0.34 -8.85	22.47 0.30 -9.98	22.74 0.32 -10.24	22.71 0.32 -10.21	24.67 0.32 -12.17	28.46 0.34 -15.93	34.73 0.34 -22.20	39.87 0.41 -24.92	39.69 0.48 -21.48	39.36 0.50 -21.08	33.15 0.43 -17.29	24.31 0.45 -8.43	22.77 0.21 -14.60
RIVERBAY____ 323610	19.81 0.60 -10.92	18.80 0.63 -9.59	17.81 0.58 -9.19	17.66 0.56 -9.09	18.23 0.57 -9.70	19.36 0.58 -10.30	25.99 0.52 -17.49	29.74 1.04 -13.41	25.73 1.26 -9.08	21.96 1.41 -5.10	21.55 1.26 -6.18	20.55 1.13 -7.22	22.02 1.11 -8.72	21.97 1.06 -8.72	21.97 1.06 -8.72	23.41 1.02 -10.21	26.62 0.94 -13.50	31.73 0.88 -18.66	36.78 1.11 -21.13	36.47 1.31 -17.43	35.90 1.26 -16.85	30.41 1.16 -13.82	23.30 1.13 -6.74	20.25 0.62 -11.67
RIVERSDE_115KV_TB3 55908	22.12 0.16 -13.69	20.76 0.16 -12.01	19.73 0.18 -11.51	19.57 0.18 -11.39	20.27 0.16 -12.15	21.56 0.19 -12.90	30.04 0.15 -21.91	32.35 0.26 -16.80	26.61 0.34 -10.89	21.93 0.37 -6.10	21.67 0.32 -7.23	21.35 0.29 -8.87	22.46 0.24 -10.02	22.72 0.26 -10.27	22.69 0.26 -10.25	24.65 0.26 -12.21	28.45 0.28 -15.98	34.76 0.29 -22.28	39.89 0.33 -25.01	39.67 0.41 -21.53	39.30 0.41 -21.11	33.10 0.35 -17.32	24.24 0.37 -8.44	22.74 0.17 -14.62
ROARING____BROOK_WT_PWR 323790	8.13 -0.15 0.00	8.41 -0.17 0.00	7.87 -0.17 0.00	7.82 -0.18 0.00	7.76 -0.21 0.00	8.22 -0.25 0.00	7.75 -0.23 0.00	14.92 -0.37 0.00	15.03 -0.35 0.00	15.14 -0.31 0.00	13.82 -0.30 0.00	11.90 -0.29 0.00	11.89 -0.30 0.00	11.86 -0.33 0.00	11.85 -0.34 0.00	11.84 -0.34 0.00	11.85 -0.34 0.00	11.86 -0.33 0.00	14.12 -0.42 0.00	17.11 -0.62 0.00	17.05 -0.73 0.00	14.75 -0.68 0.00	14.74 -0.69 0.00	7.58 -0.37 0.00
ROCHESRG_115KV_T4 355643	9.71 0.07 -1.35	9.85 0.09 -1.19	9.27 0.09 -1.14	9.22 0.09 -1.13	9.25 0.08 -1.20	9.85 0.10 -1.28	10.15 0.01 -2.17	16.65 -0.31 -1.66	16.14 -0.35 -1.11	15.64 -0.43 -0.62	14.55 -0.31 -0.75	12.76 -0.32 -0.89	12.94 -0.29 -1.04	12.94 -0.30 -1.05	12.93 -0.32 -1.05	13.08 -0.34 -1.24	13.52 -0.30 -1.64	14.24 -0.22 -2.27	16.75 -0.35 -2.56	19.43 -0.44 -2.15	19.44 -0.43 -2.09	16.76 -0.39 -1.71	15.91 -0.35 -0.83	9.49 0.09 -1.45
ROCHESTER_9_IC 23652	9.75 0.12 -1.36	9.90 0.12 -1.19	9.32 0.13 -1.14	9.25 0.12 -1.13	9.29 0.11 -1.21	9.90 0.14 -1.28	10.20 0.05 -2.18	16.75 -0.21 -1.67	16.23 -0.26 -1.11	15.72 -0.36 -0.62	14.62 -0.24 -0.75	12.83 -0.26 -0.89	13.01 -0.23 -1.05	13.02 -0.23 -1.06	13.01 -0.24 -1.06	13.15 -0.28 -1.25	13.60 -0.23 -1.64	14.31 -0.16 -2.28	16.85 -0.26 -2.57	19.53 -0.35 -2.16	19.56 -0.32 -2.10	16.84 -0.31 -1.72	15.99 -0.28 -0.84	9.53 0.13 -1.45
ROCKVIEW_13_KV_LD 356306	19.73 0.52 -10.93	18.74 0.57 -9.59	17.75 0.51 -9.19	17.60 0.50 -9.09	18.18 0.51 -9.70	19.33 0.55 -10.30	26.02 0.54 -17.50	29.77 1.07 -13.41	25.70 1.23 -9.08	21.84 1.28 -5.10	21.47 1.17 -6.18	20.45 1.04 -7.23	21.95 1.04 -8.72	21.96 1.05 -8.72	21.96 1.05 -8.72	23.40 1.01 -10.21	26.65 0.96 -13.50	31.78 0.93 -18.67	36.79 1.12 -21.13	36.53 1.37 -17.44	35.97 1.33 -16.86	30.40 1.14 -13.82	23.27 1.10 -6.74	20.17 0.54 -11.68
ROME____115KV_TB2 80656	8.94 0.21 -0.45	9.22 0.24 -0.40	8.64 0.22 -0.38	8.59 0.21 -0.38	8.59 0.22 -0.40	9.19 0.29 -0.43	8.95 0.25 -0.73	16.23 0.38 -0.56	16.05 0.29 -0.37	15.94 0.28 -0.21	14.66 0.30 -0.25	12.70 0.21 -0.30	12.74 0.20 -0.35	12.70 0.16 -0.35	12.65 0.11 -0.35	12.74 0.15 -0.42	12.92 0.18 -0.55	13.22 0.27 -0.76	15.76 0.36 -0.86	19.09 0.64 -0.72	19.16 0.68 -0.70	16.66 0.65 -0.58	16.33 0.62 -0.28	8.76 0.33 -0.49
ROSETON____1 23587	19.61 0.45 -10.89	18.60 0.47 -9.55	17.62 0.43 -9.14	17.48 0.42 -9.05	18.05 0.43 -9.65	19.19 0.47 -10.25	25.84 0.45 -17.41	29.49 0.87 -13.32	25.41 1.02 -9.01	21.53 1.02 -5.06	21.21 0.97 -6.13	20.20 0.84 -7.17	21.68 0.85 -8.64	21.68 0.85 -8.64	21.67 0.84 -8.64	23.12 0.82 -10.13	26.34 0.77 -13.38	31.45 0.74 -18.51	36.39 0.90 -20.95	36.16 1.12 -17.31	35.63 1.10 -16.75	30.11 0.94 -13.73	23.05 0.93 -6.70	20.01 0.46 -11.60
ROSETON____2 23588	19.61 0.45 -10.89	18.60 0.47 -9.55	17.62 0.43 -9.14	17.48 0.42 -9.05	18.05 0.43 -9.65	19.19 0.47 -10.25	25.84 0.45 -17.41	29.49 0.87 -13.32	25.41 1.02 -9.01	21.53 1.02 -5.06	21.21 0.97 -6.13	20.20 0.84 -7.17	21.68 0.85 -8.64	21.68 0.85 -8.64	21.67 0.84 -8.64	23.12 0.82 -10.13	26.34 0.77 -13.38	31.45 0.74 -18.51	36.39 0.90 -20.95	36.16 1.12 -17.31	35.63 1.10 -16.75	30.11 0.94 -13.73	23.05 0.93 -6.70	20.01 0.46 -11.60
ROTTDAM_115KV_TB3 80664	23.30 0.31 -14.71	21.82 0.33 -12.91	20.72 0.31 -12.37	20.54 0.30 -12.24	21.32 0.30 -13.05	22.67 0.34 -13.86	31.84 0.31 -23.55	33.89 0.55 -18.05	27.83 0.60 -11.85	22.68 0.59 -6.64	22.56 0.52 -7.92	22.22 0.45 -9.58	23.67 0.44 -11.04	23.87 0.45 -11.23	23.85 0.45 -11.21	25.92 0.45 -13.30	30.13 0.49 -17.45	36.97 0.51 -24.26	42.45 0.60 -27.31	41.68 0.73 -23.23	41.21 0.75 -22.69	34.69 0.65 -18.61	25.15 0.65 -9.07	23.98 0.32 -15.71
RUSSELL____1 23602	9.79 0.15 -1.36	9.93 0.15 -1.19	9.34 0.15 -1.14	9.29 0.15 -1.13	9.32 0.14 -1.21	9.94 0.18 -1.28	10.24 0.09 -2.18	16.82 -0.14 -1.67	16.30 -0.20 -1.11	15.78 -0.29 -0.62	14.69 -0.17 -0.75	12.88 -0.21 -0.89	13.07 -0.17 -1.05	13.08 -0.17 -1.06	13.05 -0.20 -1.06	13.21 -0.22 -1.25	13.66 -0.17 -1.64	14.37 -0.10 -2.28	16.93 -0.19 -2.57	19.62 -0.27 -2.16	19.65 -0.23 -2.10	16.92 -0.23 -1.72	16.07 -0.20 -0.84	9.57 0.16 -1.45
RUSSELL____2 23532	9.79 0.15 -1.36	9.93 0.15 -1.19	9.34 0.15 -1.14	9.29 0.15 -1.13	9.32 0.14 -1.21	9.94 0.18 -1.28	10.24 0.09 -2.18	16.82 -0.14 -1.67	16.30 -0.20 -1.11	15.78 -0.29 -0.62	14.69 -0.17 -0.75	12.88 -0.21 -0.89	13.07 -0.17 -1.05	13.08 -0.17 -1.06	13.05 -0.20 -1.06	13.21 -0.22 -1.25	13.66 -0.17 -1.64	14.37 -0.10 -2.28	16.93 -0.19 -2.57	19.62 -0.27 -2.16	19.65 -0.23 -2.10	16.92 -0.23 -1.72	16.07 -0.20 -0.84	9.57 0.16 -1.45
RUSSELL____3 23549	9.79 0.15 -1.36	9.93 0.15 -1.19	9.34 0.15 -1.14	9.29 0.15 -1.13	9.32 0.14 -1.21	9.94 0.18 -1.28	10.24 0.09 -2.18	16.82 -0.14 -1.67	16.30 -0.20 -1.11	15.78 -0.29 -0.62	14.69 -0.17 -0.75	12.88 -0.21 -0.89	13.07 -0.17 -1.05	13.08 -0.17 -1.06	13.05 -0.20 -1.06	13.21 -0.22 -1.25	13.66 -0.17 -1.64	14.37 -0.10 -2.28	16.93 -0.19 -2.57	19.62 -0.27 -2.16	19.65 -0.23 -2.10	16.92 -0.23 -1.72	16.07 -0.20 -0.84	9.57 0.16 -1.45
RUSSELL____4 23556	9.79 0.15 -1.36	9.93 0.15 -1.19	9.34 0.15 -1.14	9.29 0.15 -1.13	9.32 0.14 -1.21	9.94 0.18 -1.28	10.24 0.09 -2.18	16.82 -0.14 -1.67	16.30 -0.20 -1.11	15.78 -0.29 -0.62	14.69 -0.17 -0.75	12.88 -0.21 -0.89	13.07 -0.17 -1.05	13.08 -0.17 -1.06	13.05 -0.20 -1.06	13.21 -0.22 -1.25	13.66 -0.17 -1.64	14.37 -0.10 -2.28	16.93 -0.19 -2.57	19.62 -0.27 -2.16	19.65 -0.23 -2.10	16.92 -0.23 -1.72	16.07 -0.20 -0.84	9.57 0.16 -1.45

RUSSELL___STATION 23914	9.79 0.15 -1.36	9.93 0.15 -1.19	9.34 0.15 -1.14	9.29 0.15 -1.13	9.32 0.14 -1.21	9.94 0.18 -1.28	10.24 0.09 -2.18	16.82 -0.14 -1.67	16.30 -0.20 -1.11	15.78 -0.29 -0.62	14.69 -0.17 -0.75	12.88 -0.21 -0.89	13.07 -0.17 -1.05	13.08 -0.17 -1.06	13.05 -0.20 -1.06	13.21 -0.22 -1.25	13.66 -0.17 -1.64	14.37 -0.10 -2.28	16.93 -0.19 -2.57	19.62 -0.27 -2.16	19.65 -0.23 -2.10	16.92 -0.23 -1.72	16.07 -0.20 -0.84	9.57 0.16 -1.45
S SALMON___HYD 24043	9.00 -0.14 -0.86	9.20 -0.14 -0.75	8.64 -0.13 -0.72	8.58 -0.14 -0.72	8.60 -0.13 -0.76	9.17 -0.12 -0.81	9.23 -0.13 -1.38	15.97 -0.38 -1.06	15.62 -0.46 -0.70	15.35 -0.50 -0.39	14.15 -0.44 -0.47	12.38 -0.38 -0.56	12.47 -0.38 -0.66	12.48 -0.38 -0.67	12.48 -0.38 -0.66	12.56 -0.40 -0.79	12.85 -0.38 -1.03	13.28 -0.34 -1.43	15.79 -0.36 -1.62	18.79 -0.30 -1.36	18.91 -0.20 -1.33	16.35 -0.17 -1.09	15.76 -0.20 -0.53	8.83 -0.04 -0.92
S.PERRY___115KV_TB1 80734	10.53 0.41 -1.85	10.61 0.41 -1.62	10.00 0.40 -1.55	9.92 0.38 -1.54	9.99 0.38 -1.64	10.67 0.46 -1.74	11.29 0.35 -2.96	17.88 0.32 -2.27	17.06 0.17 -1.51	16.41 0.11 -0.85	15.24 0.11 -1.02	13.40 0.00 -1.21	13.56 -0.06 -1.43	13.54 -0.09 -1.44	13.56 -0.07 -1.44	13.78 -0.10 -1.70	14.42 0.00 -2.23	15.46 0.17 -3.10	18.24 0.20 -3.49	20.96 0.30 -2.93	21.00 0.37 -2.85	18.05 0.28 -2.34	16.86 0.29 -1.14	10.35 0.42 -1.97
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	10.09 0.10 -1.71	10.23 0.15 -1.50	9.64 0.16 -1.44	9.57 0.14 -1.42	9.60 0.11 -1.52	10.21 0.12 -1.61	10.68 -0.04 -2.74	16.80 -0.60 -2.10	16.11 -0.68 -1.40	15.47 -0.77 -0.79	14.48 -0.58 -0.94	12.74 -0.57 -1.12	12.98 -0.54 -1.32	12.96 -0.56 -1.33	12.93 -0.60 -1.33	13.12 -0.63 -1.57	13.68 -0.59 -2.07	14.62 -0.44 -2.87	17.11 -0.67 -3.24	19.57 -0.87 -2.72	19.57 -0.85 -2.64	16.86 -0.74 -2.17	15.84 -0.65 -1.06	9.85 0.07 -1.83
SAWYER___23_KV_LOAD 55526	10.09 0.10 -1.71	10.23 0.15 -1.50	9.64 0.16 -1.44	9.57 0.14 -1.42	9.60 0.11 -1.52	10.21 0.12 -1.61	10.68 -0.04 -2.74	16.80 -0.60 -2.10	16.11 -0.68 -1.40	15.47 -0.77 -0.79	14.48 -0.58 -0.94	12.74 -0.57 -1.12	12.98 -0.54 -1.32	12.96 -0.56 -1.33	12.93 -0.60 -1.33	13.12 -0.63 -1.57	13.68 -0.59 -2.07	14.62 -0.44 -2.87	17.11 -0.67 -3.24	19.57 -0.87 -2.72	19.57 -0.85 -2.64	16.86 -0.74 -2.17	15.84 -0.65 -1.06	9.85 0.07 -1.83
SELKIRK___I 23801	21.97 0.25 -13.45	20.68 0.26 -11.84	19.64 0.26 -11.34	19.47 0.25 -11.22	20.18 0.25 -11.97	21.45 0.26 -12.71	29.79 0.22 -21.59	32.21 0.38 -16.54	26.69 0.46 -10.84	21.96 0.43 -6.08	21.78 0.42 -7.24	21.31 0.34 -8.78	22.61 0.33 -10.09	22.79 0.33 -10.27	22.76 0.32 -10.25	24.67 0.33 -12.17	28.51 0.35 -15.96	34.76 0.37 -22.20	39.96 0.44 -24.98	39.53 0.53 -21.28	39.14 0.57 -20.79	32.98 0.49 -17.05	24.25 0.51 -8.31	22.61 0.25 -14.40
SELKIRK___II 23799	22.11 0.19 -13.64	20.79 0.20 -12.01	19.75 0.20 -11.50	19.59 0.20 -11.39	20.30 0.19 -12.14	21.58 0.21 -12.89	30.06 0.18 -21.91	32.40 0.32 -16.78	26.77 0.40 -10.98	22.00 0.39 -6.16	21.84 0.39 -7.33	21.41 0.32 -8.90	22.70 0.30 -10.20	22.88 0.29 -10.40	22.86 0.29 -10.38	24.80 0.29 -12.33	28.66 0.30 -16.16	34.99 0.30 -22.49	40.20 0.36 -25.30	39.77 0.46 -21.58	39.34 0.46 -21.10	33.13 0.40 -17.30	24.28 0.42 -8.43	22.76 0.20 -14.61
SENECA OSWGO___HYD 24041	9.10 -0.15 -0.97	9.28 -0.15 -0.85	8.72 -0.14 -0.82	8.66 -0.15 -0.81	8.69 -0.14 -0.86	9.26 -0.14 -0.92	9.38 -0.15 -1.56	16.09 -0.40 -1.20	15.74 -0.43 -0.79	15.45 -0.45 -0.44	14.24 -0.41 -0.53	12.46 -0.37 -0.64	12.56 -0.38 -0.74	12.57 -0.38 -0.75	12.58 -0.37 -0.75	12.69 -0.38 -0.89	13.03 -0.33 -1.17	13.48 -0.33 -1.62	15.99 -0.38 -1.83	18.90 -0.37 -1.54	18.96 -0.32 -1.50	16.36 -0.31 -1.23	15.72 -0.31 -0.60	8.91 -0.08 -1.04
SENECA___115KV_TB3 355854	10.18 0.16 -1.74	10.31 0.20 -1.53	9.72 0.21 -1.46	9.64 0.19 -1.45	9.67 0.15 -1.55	10.30 0.18 -1.64	10.79 0.02 -2.79	16.97 -0.46 -2.14	16.28 -0.52 -1.42	15.63 -0.62 -0.80	14.61 -0.47 -0.96	12.86 -0.48 -1.14	13.10 -0.44 -1.35	13.08 -0.46 -1.36	13.03 -0.51 -1.36	13.23 -0.55 -1.60	13.80 -0.50 -2.11	14.78 -0.33 -2.92	17.30 -0.54 -3.29	19.78 -0.71 -2.76	19.77 -0.69 -2.69	17.03 -0.60 -2.20	15.97 -0.54 -1.07	9.93 0.12 -1.86
SENECA___ENERGY 23797	9.73 0.04 -1.41	9.86 0.04 -1.24	9.28 0.05 -1.18	9.22 0.04 -1.17	9.27 0.05 -1.25	9.89 0.08 -1.33	10.29 0.06 -2.26	16.97 -0.06 -1.74	16.41 -0.12 -1.15	15.96 -0.14 -0.65	14.72 -0.17 -0.77	12.95 -0.17 -0.93	13.10 -0.17 -1.08	13.10 -0.18 -1.10	13.11 -0.17 -1.09	13.28 -0.20 -1.29	13.75 -0.15 -1.70	14.42 -0.13 -2.36	17.09 -0.12 -2.66	19.90 -0.07 -2.25	19.95 -0.02 -2.19	17.18 -0.05 -1.79	16.26 -0.05 -0.87	9.57 0.10 -1.52
SHOEMAKER___GT 23640	18.40 0.39 -9.74	17.35 0.40 -8.37	16.43 0.37 -8.01	16.30 0.37 -7.93	16.80 0.37 -8.46	17.87 0.42 -8.98	23.65 0.41 -15.26	27.75 0.79 -11.66	24.15 0.89 -7.88	20.76 0.88 -4.42	20.31 0.85 -5.35	19.17 0.71 -6.27	20.45 0.72 -7.54	20.47 0.73 -7.55	20.46 0.72 -7.55	21.74 0.71 -8.85	24.54 0.66 -11.69	29.01 0.65 -16.18	33.63 0.78 -18.30	33.89 1.01 -15.15	33.46 1.01 -14.66	28.30 0.85 -12.02	22.13 0.83 -5.86	18.53 0.42 -10.16
SHOEMAKR_138KV_BK 111 55601	17.88 0.40 -9.21	17.07 0.40 -8.08	16.17 0.38 -7.74	16.04 0.37 -7.67	16.52 0.37 -8.17	17.57 0.42 -8.68	23.14 0.41 -14.75	27.39 0.80 -11.30	23.92 0.88 -7.65	20.65 0.90 -4.30	20.13 0.80 -5.21	18.99 0.71 -6.09	20.24 0.71 -7.35	20.27 0.73 -7.34	20.27 0.73 -7.34	21.49 0.71 -8.60	24.22 0.66 -11.37	28.57 0.66 -15.73	33.13 0.79 -17.80	33.43 1.01 -14.69	33.00 1.01 -14.21	27.93 0.85 -11.65	21.95 0.83 -5.68	18.21 0.42 -9.84
SHOREHAM_IC_1 23715	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.69 -9.28	19.47 0.71 -10.79	24.85 0.75 -15.62	31.49 0.77 -22.74	32.09 1.42 -15.38	33.03 1.51 -16.14	31.47 1.47 -14.54	27.87 1.38 -12.37	25.93 1.11 -12.63	27.77 1.17 -14.41	26.76 1.16 -13.41	27.80 1.17 -14.44	28.28 1.10 -15.00	34.36 1.06 -21.10	38.98 1.04 -25.75	45.88 1.29 -30.04	38.54 1.60 -19.22	59.50 1.58 -40.13	34.44 1.31 -17.70	28.05 1.36 -11.26	29.14 0.68 -20.51
SHOREHAM_IC_2 23716	23.64 0.74 -14.62	21.12 0.78 -11.76	18.64 0.72 -9.87	17.97 0.69 -9.28	19.47 0.71 -10.79	24.85 0.75 -15.62	31.49 0.77 -22.74	32.09 1.42 -15.38	33.03 1.51 -16.14	31.47 1.47 -14.54	27.87 1.38 -12.37	25.93 1.11 -12.63	27.77 1.17 -14.41	26.76 1.16 -13.41	27.80 1.17 -14.44	28.28 1.10 -15.00	34.36 1.06 -21.10	38.98 1.04 -25.75	45.88 1.29 -30.04	38.54 1.60 -19.22	59.50 1.58 -40.13	34.44 1.31 -17.70	28.05 1.36 -11.26	29.14 0.68 -20.51
SISSONVILLE___ 23735	7.92 -0.50 -0.15	8.17 -0.54 -0.13	7.67 -0.50 -0.12	7.67 -0.46 -0.12	7.67 -0.43 -0.13	8.07 -0.54 -0.14	7.80 -0.41 -0.24	14.89 -0.58 -0.18	14.72 -0.78 -0.12	14.78 -0.74 -0.07	13.52 -0.68 -0.08	11.68 -0.61 -0.10	11.70 -0.61 -0.11	11.66 -0.65 -0.12	11.66 -0.65 -0.12	11.71 -0.61 -0.14	11.75 -0.62 -0.18	11.82 -0.62 -0.25	14.21 -0.61 -0.28	17.08 -0.89 -0.24	17.09 -0.92 -0.23	14.93 -0.69 -0.19	14.80 -0.73 -0.09	7.63 -0.49 -0.16

SITHE_IND_GS1 24169	8.90 -0.21 -0.83	9.10 -0.21 -0.73	8.55 -0.19 -0.70	8.50 -0.20 -0.69	8.51 -0.20 -0.74	9.07 -0.19 -0.78	9.10 -0.21 -1.33	15.82 -0.50 -1.03	15.54 -0.52 -0.68	15.29 -0.54 -0.38	14.08 -0.49 -0.46	12.30 -0.44 -0.55	12.41 -0.43 -0.64	12.40 -0.44 -0.65	12.41 -0.43 -0.65	12.51 -0.44 -0.77	12.77 -0.43 -1.01	13.16 -0.43 -1.40	15.64 -0.48 -1.58	18.51 -0.55 -1.33	18.55 -0.53 -1.30	16.03 -0.46 -1.06	15.49 -0.46 -0.52	8.68 -0.17 -0.90
SITHE_IND_GS2 24170	8.90 -0.21 -0.83	9.10 -0.21 -0.73	8.55 -0.19 -0.70	8.50 -0.20 -0.69	8.51 -0.20 -0.74	9.07 -0.19 -0.78	9.10 -0.21 -1.33	15.82 -0.50 -1.03	15.54 -0.52 -0.68	15.29 -0.54 -0.38	14.08 -0.49 -0.46	12.30 -0.44 -0.55	12.41 -0.43 -0.64	12.40 -0.44 -0.65	12.41 -0.43 -0.65	12.51 -0.44 -0.77	12.77 -0.43 -1.01	13.16 -0.43 -1.40	15.64 -0.48 -1.58	18.51 -0.55 -1.33	18.55 -0.53 -1.30	16.03 -0.46 -1.06	15.49 -0.46 -0.52	8.68 -0.17 -0.90
SITHE_IND_GS3 24171	8.90 -0.21 -0.83	9.10 -0.21 -0.73	8.55 -0.19 -0.70	8.50 -0.20 -0.69	8.51 -0.20 -0.74	9.07 -0.19 -0.78	9.10 -0.21 -1.33	15.82 -0.50 -1.03	15.54 -0.52 -0.68	15.29 -0.54 -0.38	14.08 -0.49 -0.46	12.30 -0.44 -0.55	12.41 -0.43 -0.64	12.40 -0.44 -0.65	12.41 -0.43 -0.65	12.51 -0.44 -0.77	12.77 -0.43 -1.01	13.16 -0.43 -1.40	15.64 -0.48 -1.58	18.51 -0.55 -1.33	18.55 -0.53 -1.30	16.03 -0.46 -1.06	15.49 -0.46 -0.52	8.68 -0.17 -0.90
SITHE_IND_GS4 24172	8.90 -0.21 -0.83	9.10 -0.21 -0.73	8.55 -0.19 -0.70	8.50 -0.20 -0.69	8.51 -0.20 -0.74	9.07 -0.19 -0.78	9.10 -0.21 -1.33	15.82 -0.50 -1.03	15.54 -0.52 -0.68	15.29 -0.54 -0.38	14.08 -0.49 -0.46	12.30 -0.44 -0.55	12.41 -0.43 -0.64	12.40 -0.44 -0.65	12.41 -0.43 -0.65	12.51 -0.44 -0.77	12.77 -0.43 -1.01	13.16 -0.43 -1.40	15.64 -0.48 -1.58	18.51 -0.55 -1.33	18.55 -0.53 -1.30	16.03 -0.46 -1.06	15.49 -0.46 -0.52	8.68 -0.17 -0.90
SITHE___BATAVIA 24024	9.88 0.14 -1.47	10.01 0.15 -1.29	9.43 0.15 -1.23	9.37 0.14 -1.22	9.40 0.14 -1.30	10.03 0.18 -1.38	10.36 0.04 -2.35	16.73 -0.38 -1.82	15.75 -0.94 -1.31	15.17 -1.02 -0.73	14.06 -0.93 -0.88	12.41 -0.83 -1.05	12.63 -0.79 -1.23	12.64 -0.79 -1.24	12.60 -0.83 -1.24	12.77 -0.88 -1.47	13.31 -0.82 -1.93	14.16 -0.50 -2.47	16.84 -0.49 -2.79	19.42 -0.66 -2.35	19.45 -0.62 -2.29	16.76 -0.55 -1.88	15.84 -0.51 -0.92	9.64 0.10 -1.59
SITHE___INDEPEND 23800	8.94 -0.21 -0.87	9.13 -0.21 -0.76	8.58 -0.19 -0.73	8.52 -0.20 -0.72	8.54 -0.20 -0.77	9.10 -0.19 -0.82	9.16 -0.21 -1.39	15.85 -0.50 -1.06	15.57 -0.52 -0.71	15.31 -0.54 -0.40	14.11 -0.48 -0.48	12.32 -0.44 -0.57	12.43 -0.43 -0.67	12.43 -0.44 -0.67	12.44 -0.43 -0.67	12.54 -0.44 -0.79	12.82 -0.41 -1.05	13.25 -0.39 -1.45	15.70 -0.48 -1.64	18.55 -0.55 -1.37	18.58 -0.53 -1.34	16.07 -0.46 -1.10	15.50 -0.46 -0.53	8.71 -0.17 -0.93
SITHE___MASSENA 23902	8.05 -0.22 0.00	8.33 -0.25 0.00	7.83 -0.22 0.00	7.82 -0.18 0.00	7.80 -0.17 0.00	8.21 -0.26 0.00	7.80 -0.18 0.00	15.14 -0.15 0.00	15.08 -0.31 0.00	15.22 -0.23 0.00	13.87 -0.24 0.00	11.98 -0.21 0.00	11.97 -0.22 0.00	11.96 -0.23 0.00	11.97 -0.22 0.00	11.98 -0.20 0.00	11.98 -0.21 0.00	12.00 -0.20 0.00	14.35 -0.19 0.00	17.34 -0.39 0.00	17.35 -0.43 0.00	15.15 -0.28 0.00	15.14 -0.29 0.00	7.72 -0.23 0.00
SITHE___OGDNSBRG 24021	8.12 -0.27 -0.11	8.40 -0.28 -0.10	7.87 -0.27 -0.09	7.87 -0.22 -0.09	7.87 -0.20 -0.10	8.29 -0.29 -0.11	7.98 -0.18 -0.18	15.28 -0.15 -0.14	15.11 -0.37 -0.09	15.16 -0.34 -0.05	13.88 -0.30 -0.06	11.98 -0.28 -0.07	11.98 -0.29 -0.09	11.97 -0.30 -0.09	11.99 -0.29 -0.09	12.03 -0.26 -0.10	12.07 -0.26 -0.14	12.11 -0.27 -0.19	14.58 -0.17 -0.21	17.53 -0.37 -0.18	17.55 -0.41 -0.17	15.33 -0.25 -0.14	15.24 -0.26 -0.07	7.83 -0.25 -0.12
SITHE___STERLING 23777	9.05 0.20 -0.58	9.31 0.22 -0.51	8.73 0.20 -0.49	8.68 0.19 -0.48	8.68 0.20 -0.51	9.28 0.25 -0.54	9.13 0.22 -0.93	16.33 0.34 -0.70	16.11 0.26 -0.46	15.96 0.25 -0.26	14.62 0.20 -0.31	12.75 0.18 -0.37	12.76 0.13 -0.44	12.78 0.15 -0.44	12.74 0.11 -0.44	12.85 0.15 -0.52	13.05 0.17 -0.69	13.35 0.21 -0.95	15.92 0.31 -1.07	19.16 0.53 -0.91	19.23 0.57 -0.88	16.70 0.54 -0.72	16.31 0.52 -0.35	8.86 0.29 -0.61
SLEIGHT__34_KV_TB1 80719	9.84 0.20 -1.36	9.98 0.21 -1.20	9.38 0.19 -1.15	9.32 0.18 -1.13	9.37 0.19 -1.21	10.01 0.25 -1.28	10.38 0.22 -2.18	17.24 0.28 -1.67	16.73 0.23 -1.11	16.29 0.22 -0.62	15.08 0.21 -0.75	13.22 0.13 -0.89	13.40 0.16 -1.05	13.37 0.12 -1.06	13.40 0.15 -1.06	13.54 0.11 -1.25	14.01 0.17 -1.65	14.69 0.22 -2.28	17.35 0.23 -2.58	20.24 0.35 -2.16	20.29 0.41 -2.10	17.48 0.32 -1.72	16.60 0.32 -0.84	9.70 0.29 -1.46
SOUTH CAIRO___GT 23612	21.36 0.26 -12.82	20.07 0.21 -11.28	19.07 0.22 -10.80	18.92 0.22 -10.69	19.60 0.23 -11.40	20.88 0.30 -12.11	28.85 0.30 -20.57	31.61 0.58 -15.74	26.28 0.55 -10.34	21.78 0.53 -5.80	21.53 0.49 -6.92	20.89 0.34 -8.36	22.20 0.35 -9.65	22.36 0.35 -9.81	22.34 0.35 -9.79	24.17 0.38 -11.61	27.81 0.38 -15.24	33.81 0.43 -21.19	38.94 0.54 -23.86	38.83 0.83 -20.26	38.49 0.92 -19.79	32.40 0.74 -16.23	24.04 0.70 -7.91	21.98 0.33 -13.70
SOUTH HAMPTN___IC 23720	23.75 0.84 -14.62	21.24 0.90 -11.76	18.75 0.84 -9.87	18.08 0.80 -9.28	19.58 0.82 -10.79	24.97 0.87 -15.62	31.62 0.90 -22.74	32.35 1.68 -15.38	33.30 1.78 -16.14	31.68 1.68 -14.55	28.12 1.64 -12.37	26.10 1.28 -12.63	27.99 1.39 -14.41	26.98 1.38 -13.41	28.00 1.38 -14.44	28.51 1.33 -15.00	34.58 1.28 -21.10	39.21 1.27 -25.75	46.14 1.56 -30.04	38.86 1.92 -19.22	59.84 1.92 -40.13	34.67 1.54 -17.70	28.27 1.57 -11.26	29.26 0.80 -20.51
SOUTHDOW__115KV_TB1 355954	10.80 0.51 -2.01	10.92 0.57 -1.76	10.29 0.56 -1.69	10.20 0.53 -1.67	10.22 0.47 -1.78	10.92 0.55 -1.89	11.62 0.42 -3.22	18.14 0.38 -2.47	17.33 0.31 -1.64	16.59 0.22 -0.92	15.45 0.23 -1.11	13.62 0.11 -1.32	13.89 0.15 -1.55	13.85 0.10 -1.57	13.77 0.01 -1.56	13.96 -0.06 -1.84	14.62 0.00 -2.43	15.77 0.21 -3.37	18.47 0.13 -3.80	21.09 0.18 -3.19	21.08 0.20 -3.10	18.11 0.14 -2.54	16.83 0.15 -1.24	10.51 0.41 -2.15
SOUTHOLD_69_KV_BK 2 55809	23.80 0.97 -14.55	21.18 1.03 -11.57	18.69 0.96 -9.69	18.02 0.92 -9.10	19.50 0.94 -10.59	24.90 1.01 -15.41	31.40 1.03 -22.39	32.37 1.94 -15.13	33.39 2.03 -15.98	30.87 1.95 -13.47	28.03 1.65 -12.27	26.12 1.43 -12.50	27.88 1.41 -14.27	27.03 1.57 -13.26	28.07 1.58 -14.29	28.54 1.53 -14.83	34.56 1.49 -20.88	39.13 1.50 -25.44	46.05 1.82 -29.69	38.85 2.22 -18.91	59.85 2.24 -39.82	34.67 1.79 -17.44	28.40 1.84 -11.14	28.26 0.92 -19.38
SOUTHOLD___IC 23719	23.87 0.97 -14.62	21.37 1.03 -11.76	18.87 0.96 -9.87	18.20 0.92 -9.28	19.70 0.94 -10.79	25.10 1.01 -15.62	31.75 1.03 -22.74	32.61 1.94 -15.38	33.57 2.05 -16.14	31.92 1.92 -14.55	28.36 1.88 -12.37	26.25 1.43 -12.63	28.19 1.58 -14.41	27.16 1.56 -13.41	28.20 1.57 -14.44	28.70 1.52 -15.00	34.77 1.47 -21.10	39.43 1.49 -25.75	46.40 1.82 -30.04	39.18 2.23 -19.22	60.14 2.22 -40.13	34.92 1.79 -17.70	28.51 1.82 -11.26	29.38 0.92 -20.51

SPIERFLS_115KV_TB 1 80737	23.06 0.30 -14.48	21.61 0.32 -12.71	20.51 0.29 -12.18	20.34 0.28 -12.05	21.12 0.29 -12.85	22.48 0.36 -13.65	31.54 0.37 -23.19	33.72 0.66 -17.77	27.69 0.69 -11.62	22.54 0.57 -6.51	22.33 0.47 -7.75	22.00 0.39 -9.42	23.34 0.37 -10.78	23.62 0.44 -11.00	23.60 0.44 -10.97	25.68 0.46 -13.03	29.84 0.56 -17.09	36.61 0.63 -23.78	42.03 0.74 -26.75	41.47 0.90 -22.84	41.08 0.96 -22.34	34.53 0.77 -18.32	25.09 0.73 -8.93	23.77 0.34 -15.47
ST LAWRENCE____ 23600	8.05 -0.22 0.00	8.34 -0.24 0.00	7.82 -0.23 0.00	7.79 -0.21 0.00	7.76 -0.21 0.00	8.21 -0.26 0.00	7.76 -0.22 0.00	15.00 -0.29 0.00	15.00 -0.38 0.00	15.11 -0.34 0.00	13.80 -0.31 0.00	11.91 -0.28 0.00	11.91 -0.28 0.00	11.91 -0.28 0.00	11.91 -0.28 0.00	11.92 -0.26 0.00	11.91 -0.28 0.00	11.92 -0.27 0.00	14.22 -0.32 0.00	17.23 -0.50 0.00	17.25 -0.53 0.00	15.00 -0.43 0.00	15.00 -0.43 0.00	7.68 -0.27 0.00
STATE_CA_115KV_115_LB 55624	22.28 0.16 -13.84	20.90 0.16 -12.15	19.86 0.18 -11.64	19.70 0.18 -11.52	20.41 0.16 -12.28	21.70 0.18 -13.05	30.29 0.14 -22.17	32.52 0.24 -16.99	26.76 0.34 -11.04	22.01 0.37 -6.19	21.78 0.32 -7.34	21.46 0.29 -8.98	22.62 0.24 -10.19	22.88 0.26 -10.43	22.85 0.26 -10.40	24.82 0.26 -12.39	28.69 0.28 -16.22	35.08 0.29 -22.59	40.26 0.33 -25.38	39.93 0.41 -21.79	39.56 0.43 -21.35	33.32 0.37 -17.51	24.32 0.35 -8.54	22.91 0.17 -14.79
STATE_ST_34_KV_LOAD 55959	9.77 0.05 -1.44	9.90 0.05 -1.26	9.31 0.06 -1.21	9.24 0.04 -1.20	9.29 0.05 -1.28	9.92 0.08 -1.36	10.42 0.14 -2.31	17.18 0.12 -1.77	16.65 0.09 -1.18	16.07 -0.05 -0.66	14.86 -0.04 -0.79	13.06 -0.07 -0.94	13.24 -0.06 -1.11	13.32 0.01 -1.12	13.35 0.04 -1.12	13.51 0.01 -1.32	13.99 0.06 -1.74	14.71 0.11 -2.41	17.37 0.10 -2.72	20.23 0.21 -2.29	20.29 0.28 -2.22	17.35 0.09 -1.82	16.41 0.09 -0.89	9.63 0.14 -1.54
STATION 5_MISC_HYD 23604	9.73 0.12 -1.34	9.87 0.12 -1.17	9.29 0.13 -1.12	9.23 0.12 -1.11	9.26 0.11 -1.18	9.88 0.14 -1.26	10.16 0.05 -2.14	16.74 -0.21 -1.66	16.19 -0.29 -1.10	15.74 -0.33 -0.61	14.55 -0.30 -0.74	12.82 -0.26 -0.88	12.99 -0.23 -1.03	13.00 -0.23 -1.04	12.99 -0.24 -1.04	13.13 -0.28 -1.23	13.58 -0.23 -1.62	14.17 -0.27 -2.25	16.82 -0.26 -2.54	19.51 -0.35 -2.14	19.55 -0.32 -2.09	16.83 -0.31 -1.71	15.99 -0.28 -0.83	9.52 0.13 -1.44
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	9.75 0.12 -1.35	9.90 0.13 -1.19	9.31 0.13 -1.14	9.25 0.12 -1.13	9.30 0.13 -1.20	9.92 0.17 -1.27	10.24 0.10 -2.17	16.91 -0.05 -1.66	16.38 -0.11 -1.11	15.92 -0.15 -0.62	14.76 -0.10 -0.74	12.94 -0.13 -0.89	13.12 -0.11 -1.04	13.11 -0.13 -1.05	13.10 -0.15 -1.05	13.25 -0.17 -1.24	13.70 -0.12 -1.63	14.41 -0.05 -2.27	17.00 -0.10 -2.56	19.75 -0.12 -2.15	19.78 -0.09 -2.09	17.05 -0.09 -1.71	16.19 -0.08 -0.83	9.56 0.16 -1.45
STA_56_34_KV_BUS2_REV_LBMP_B 345033	9.67 0.06 -1.33	9.81 0.06 -1.17	9.23 0.06 -1.12	9.18 0.06 -1.11	9.21 0.06 -1.18	9.82 0.08 -1.26	10.12 0.00 -2.14	16.65 -0.28 -1.64	16.15 -0.32 -1.09	15.66 -0.40 -0.61	14.57 -0.28 -0.74	12.77 -0.29 -0.88	12.95 -0.27 -1.03	12.95 -0.28 -1.04	12.94 -0.29 -1.04	13.09 -0.32 -1.22	13.54 -0.27 -1.61	14.22 -0.21 -2.24	16.75 -0.32 -2.52	19.44 -0.41 -2.12	19.45 -0.39 -2.06	16.77 -0.35 -1.69	15.93 -0.32 -0.82	9.46 0.08 -1.43
STA_56____34_KV_BUS2 355983	9.67 0.06 -1.33	9.81 0.06 -1.17	9.23 0.06 -1.12	9.18 0.06 -1.11	9.21 0.06 -1.18	9.82 0.08 -1.26	10.12 0.00 -2.14	16.65 -0.28 -1.64	16.15 -0.32 -1.09	15.66 -0.40 -0.61	14.57 -0.28 -0.74	12.77 -0.29 -0.88	12.95 -0.27 -1.03	12.95 -0.28 -1.04	12.94 -0.29 -1.04	13.09 -0.32 -1.22	13.54 -0.27 -1.61	14.22 -0.21 -2.24	16.75 -0.32 -2.52	19.44 -0.41 -2.12	19.45 -0.39 -2.06	16.77 -0.35 -1.69	15.93 -0.32 -0.82	9.46 0.08 -1.43
STA_67____115KV_BK2 355882	9.74 0.10 -1.36	9.88 0.10 -1.19	9.30 0.11 -1.14	9.25 0.11 -1.13	9.28 0.10 -1.21	9.89 0.13 -1.28	10.19 0.03 -2.18	16.72 -0.24 -1.67	16.19 -0.31 -1.11	15.69 -0.39 -0.62	14.59 -0.27 -0.75	12.80 -0.28 -0.89	12.98 -0.26 -1.05	12.99 -0.26 -1.06	12.97 -0.28 -1.06	13.12 -0.30 -1.25	13.58 -0.26 -1.64	14.29 -0.18 -2.28	16.82 -0.29 -2.57	19.50 -0.39 -2.16	19.52 -0.36 -2.10	16.81 -0.34 -1.72	15.98 -0.29 -0.84	9.52 0.11 -1.45
STA_7____115KV_9TRANS 80674	9.79 0.15 -1.36	9.93 0.15 -1.19	9.34 0.15 -1.14	9.29 0.15 -1.13	9.32 0.14 -1.21	9.94 0.18 -1.28	10.24 0.09 -2.18	16.82 -0.14 -1.67	16.30 -0.20 -1.11	15.78 -0.29 -0.62	14.69 -0.17 -0.75	12.88 -0.21 -0.89	13.07 -0.17 -1.05	13.08 -0.17 -1.06	13.05 -0.20 -1.06	13.21 -0.22 -1.25	13.66 -0.17 -1.64	14.37 -0.10 -2.28	16.93 -0.19 -2.57	19.62 -0.27 -2.16	19.65 -0.23 -2.10	16.92 -0.23 -1.72	16.07 -0.20 -0.84	9.57 0.16 -1.45
STA_82____115KV_TB1 80780	9.74 0.10 -1.36	9.89 0.11 -1.20	9.30 0.11 -1.15	9.25 0.11 -1.13	9.28 0.10 -1.21	9.90 0.14 -1.28	10.20 0.04 -2.18	16.72 -0.24 -1.67	16.21 -0.29 -1.11	15.69 -0.39 -0.62	14.60 -0.27 -0.75	12.80 -0.28 -0.89	13.00 -0.24 -1.05	13.00 -0.26 -1.06	12.98 -0.27 -1.06	13.12 -0.30 -1.25	13.58 -0.26 -1.65	14.29 -0.18 -2.28	16.83 -0.29 -2.58	19.50 -0.39 -2.16	19.53 -0.36 -2.10	16.82 -0.34 -1.72	15.98 -0.29 -0.84	9.52 0.11 -1.46
STEEL____WIND 323596	10.16 0.15 -1.74	10.30 0.20 -1.52	9.70 0.20 -1.46	9.63 0.18 -1.44	9.66 0.15 -1.54	10.28 0.17 -1.63	10.77 0.02 -2.78	17.00 -0.46 -2.16	16.25 -0.57 -1.44	15.67 -0.59 -0.81	14.49 -0.59 -0.97	12.86 -0.49 -1.16	13.08 -0.46 -1.35	13.08 -0.48 -1.37	13.03 -0.52 -1.37	13.23 -0.56 -1.61	13.81 -0.50 -2.12	14.61 -0.51 -2.93	17.30 -0.55 -3.31	19.79 -0.73 -2.79	19.81 -0.69 -2.72	17.04 -0.62 -2.23	15.98 -0.54 -1.09	9.95 0.11 -1.88
STEPHTWN_115KV_BK_2 55603	22.17 0.25 -13.65	20.81 0.25 -11.98	19.78 0.26 -11.48	19.61 0.25 -11.36	20.32 0.24 -12.11	21.61 0.27 -12.86	30.05 0.22 -21.85	32.44 0.40 -16.75	26.74 0.48 -10.88	22.07 0.53 -6.09	21.78 0.44 -7.23	21.42 0.38 -8.85	22.55 0.33 -10.03	22.79 0.33 -10.27	22.76 0.33 -10.24	24.72 0.34 -12.20	28.55 0.39 -15.97	34.85 0.40 -22.25	39.99 0.45 -25.00	39.74 0.53 -21.48	39.40 0.57 -21.05	33.21 0.51 -17.27	24.34 0.49 -8.42	22.77 0.23 -14.58
STEBEN_REC_LFGE 323667	10.95 0.40 -2.28	11.02 0.44 -2.00	10.38 0.42 -1.92	10.30 0.40 -1.90	10.38 0.39 -2.02	11.07 0.45 -2.15	11.98 0.35 -3.65	18.41 0.32 -2.80	17.48 0.23 -1.86	16.67 0.17 -1.04	15.54 0.17 -1.26	13.75 0.06 -1.49	14.02 0.07 -1.76	14.00 0.04 -1.78	14.00 0.04 -1.77	14.28 0.01 -2.09	15.03 0.09 -2.75	16.22 0.21 -3.82	19.04 0.19 -4.31	21.63 0.28 -3.62	21.63 0.34 -3.51	18.58 0.26 -2.88	17.13 0.29 -1.41	10.80 0.41 -2.43
STONY____BROOK 24151	23.70 0.80 -14.62	21.19 0.85 -11.76	18.70 0.79 -9.87	18.03 0.75 -9.28	19.54 0.78 -10.79	24.93 0.83 -15.62	31.57 0.85 -22.74	32.31 1.64 -15.38	33.27 1.75 -16.14	31.63 1.64 -14.54	28.12 1.64 -12.37	26.10 1.28 -12.63	28.00 1.40 -14.41	27.00 1.40 -13.41	28.03 1.40 -14.44	28.52 1.34 -15.00	34.58 1.28 -21.10	39.20 1.26 -25.75	46.11 1.53 -30.04	38.81 1.86 -19.22	59.76 1.85 -40.13	34.61 1.48 -17.70	28.22 1.53 -11.26	29.23 0.77 -20.50

STURGEON_POOL_HYD 23609	19.46 0.45 -10.73	18.45 0.45 -9.42	17.47 0.40 -9.02	17.33 0.39 -8.93	17.90 0.41 -9.52	19.04 0.45 -10.11	25.59 0.43 -17.18	29.36 0.90 -13.17	25.26 1.03 -8.85	21.61 1.19 -4.97	21.18 1.07 -5.99	20.21 0.95 -7.07	21.59 0.96 -8.43	21.57 0.91 -8.47	21.57 0.91 -8.46	22.99 0.86 -9.94	26.07 0.76 -13.12	31.09 0.73 -18.17	35.97 0.89 -20.54	36.01 1.21 -17.08	35.51 1.17 -16.56	30.07 1.06 -13.58	23.05 1.00 -6.62	19.91 0.49 -11.47
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	18.84 0.45 -10.11	17.92 0.46 -8.88	16.97 0.43 -8.50	16.83 0.42 -8.42	17.36 0.42 -8.97	18.47 0.47 -9.53	24.62 0.45 -16.19	28.57 0.87 -12.41	24.76 0.98 -8.39	21.22 1.05 -4.71	20.77 0.95 -5.71	19.71 0.84 -6.68	21.07 0.83 -8.05	21.07 0.83 -8.05	21.07 0.83 -8.05	22.42 0.80 -9.43	25.41 0.76 -12.47	30.18 0.74 -17.24	34.95 0.89 -19.52	34.99 1.13 -16.13	34.50 1.12 -15.60	29.20 0.97 -12.79	22.61 0.94 -6.24	19.23 0.47 -10.80
SWANROAD_115KV_TB1 355699	9.89 -0.02 -1.63	10.03 0.03 -1.43	9.46 0.05 -1.37	9.39 0.03 -1.35	9.42 0.01 -1.44	10.02 0.01 -1.53	10.39 -0.19 -2.60	16.34 -0.95 -2.00	15.68 -1.03 -1.33	15.06 -1.14 -0.75	14.11 -0.90 -0.90	12.40 -0.85 -1.07	12.63 -0.82 -1.26	12.62 -0.84 -1.27	12.58 -0.88 -1.27	12.76 -0.91 -1.49	13.28 -0.88 -1.97	14.20 -0.72 -2.73	16.60 -1.02 -3.08	19.00 -1.31 -2.58	18.99 -1.30 -2.51	16.41 -1.08 -2.06	15.45 -0.99 -1.00	9.64 -0.06 -1.74
SYNERGY___BIOGAS 323694	9.88 0.14 -1.47	10.01 0.15 -1.29	9.43 0.15 -1.23	9.37 0.14 -1.22	9.40 0.14 -1.30	10.03 0.18 -1.38	10.36 0.04 -2.35	16.73 -0.38 -1.82	15.75 -0.94 -1.31	15.17 -1.02 -0.73	14.06 -0.93 -0.88	12.41 -0.83 -1.05	12.63 -0.79 -1.23	12.64 -0.79 -1.24	12.60 -0.83 -1.24	12.77 -0.88 -1.47	13.31 -0.82 -1.93	14.16 -0.50 -2.47	16.84 -0.49 -2.79	19.42 -0.66 -2.35	19.45 -0.62 -2.29	16.76 -0.55 -1.88	15.84 -0.51 -0.92	9.64 0.10 -1.59
SYRACUSE___ENERGY_ST1 323597	9.45 0.00 -1.17	9.61 0.00 -1.03	9.02 -0.01 -0.98	8.96 -0.02 -0.97	9.00 -0.01 -1.04	9.59 0.01 -1.10	9.84 -0.01 -1.87	16.63 -0.12 -1.46	16.19 -0.15 -0.96	15.84 -0.15 -0.54	14.59 -0.17 -0.65	12.81 -0.16 -0.78	12.95 -0.15 -0.91	12.96 -0.15 -0.92	12.97 -0.13 -0.92	13.10 -0.16 -1.08	13.49 -0.12 -1.42	14.05 -0.12 -1.98	16.65 -0.12 -2.23	19.54 -0.07 -1.88	19.58 -0.04 -1.83	16.89 -0.05 -1.50	16.12 -0.05 -0.73	9.28 0.06 -1.27
SYRACUSE___ENERGY_ST2 323598	9.45 0.00 -1.17	9.61 0.00 -1.03	9.02 -0.01 -0.98	8.96 -0.02 -0.97	9.00 -0.01 -1.04	9.59 0.01 -1.10	9.84 -0.01 -1.87	16.63 -0.12 -1.46	16.19 -0.15 -0.96	15.84 -0.15 -0.54	14.59 -0.17 -0.65	12.81 -0.16 -0.78	12.95 -0.15 -0.91	12.96 -0.15 -0.92	12.97 -0.13 -0.92	13.10 -0.16 -1.08	13.49 -0.12 -1.42	14.05 -0.12 -1.98	16.65 -0.12 -2.23	19.54 -0.07 -1.88	19.58 -0.04 -1.83	16.89 -0.05 -1.50	16.12 -0.05 -0.73	9.28 0.06 -1.27
SYRACUSE___POWER 24017	9.50 -0.02 -1.24	9.65 -0.02 -1.08	9.07 -0.02 -1.04	9.01 -0.02 -1.03	9.05 -0.02 -1.10	9.64 0.00 -1.16	9.95 -0.01 -1.98	16.68 -0.12 -1.52	16.25 -0.14 -1.01	15.86 -0.15 -0.57	14.65 -0.14 -0.68	12.85 -0.15 -0.81	13.01 -0.13 -0.95	13.01 -0.15 -0.96	13.02 -0.13 -0.96	13.17 -0.15 -1.13	13.55 -0.13 -1.49	14.18 -0.09 -2.07	16.75 -0.13 -2.34	19.60 -0.09 -1.96	19.63 -0.05 -1.91	16.93 -0.06 -1.56	16.13 -0.06 -0.76	9.32 0.05 -1.32
TALLMAN__138KV_BK151 55660	19.27 0.50 -10.50	18.30 0.51 -9.21	17.34 0.47 -8.83	17.19 0.46 -8.74	17.75 0.46 -9.31	18.87 0.50 -9.89	25.28 0.49 -16.81	29.15 0.98 -12.88	25.19 1.09 -8.71	21.52 1.17 -4.89	21.09 1.06 -5.92	20.06 0.94 -6.94	21.47 0.93 -8.35	21.48 0.94 -8.35	21.48 0.94 -8.35	22.88 0.91 -9.79	25.98 0.85 -12.94	30.93 0.84 -17.90	35.80 1.00 -20.26	35.71 1.24 -16.74	35.22 1.24 -16.19	29.76 1.05 -13.28	22.92 1.02 -6.47	19.68 0.51 -11.22
TEALLAVE_115KV_TB7 355573	9.30 -0.04 -1.07	9.48 -0.03 -0.94	8.91 -0.03 -0.90	8.85 -0.04 -0.89	8.87 -0.04 -0.95	9.46 -0.02 -1.00	9.67 -0.02 -1.71	16.46 -0.14 -1.31	16.10 -0.15 -0.87	15.77 -0.17 -0.49	14.56 -0.14 -0.59	12.74 -0.15 -0.70	12.89 -0.12 -0.82	12.87 -0.15 -0.83	12.89 -0.13 -0.83	13.01 -0.15 -0.98	13.32 -0.16 -1.29	13.85 -0.12 -1.79	16.38 -0.17 -2.01	19.26 -0.16 -1.69	19.30 -0.12 -1.64	16.66 -0.12 -1.35	15.97 -0.12 -0.66	9.11 0.02 -1.14
TELGRAPH_34_KV_EAST 80808	9.95 0.12 -1.55	10.09 0.15 -1.36	9.51 0.17 -1.30	9.44 0.15 -1.29	9.47 0.13 -1.37	10.10 0.16 -1.46	10.44 -0.02 -2.48	16.64 -0.55 -1.90	15.93 -0.72 -1.27	15.33 -0.83 -0.71	14.33 -0.64 -0.85	12.57 -0.63 -1.02	12.80 -0.59 -1.20	12.78 -0.62 -1.21	12.74 -0.66 -1.21	12.91 -0.69 -1.42	13.42 -0.65 -1.87	14.36 -0.43 -2.60	16.83 -0.64 -2.93	19.35 -0.83 -2.46	19.35 -0.82 -2.39	16.70 -0.69 -1.96	15.77 -0.62 -0.95	9.69 0.09 -1.65
TEMPLE___115KV_TB 2 55572	9.33 -0.03 -1.09	9.51 -0.03 -0.95	8.93 -0.02 -0.91	8.87 -0.03 -0.90	8.90 -0.03 -0.96	9.48 -0.02 -1.02	9.70 -0.02 -1.74	16.47 -0.15 -1.33	16.10 -0.17 -0.89	15.78 -0.17 -0.50	14.57 -0.14 -0.60	12.74 -0.16 -0.71	12.90 -0.13 -0.84	12.89 -0.15 -0.85	12.90 -0.13 -0.85	13.02 -0.16 -1.00	13.36 -0.15 -1.31	13.90 -0.11 -1.82	16.44 -0.16 -2.06	19.31 -0.14 -1.72	19.35 -0.11 -1.68	16.70 -0.11 -1.37	15.99 -0.11 -0.67	9.15 0.03 -1.16
TIANA____69_KV_BK 1 55817	23.65 0.82 -14.55	21.02 0.88 -11.57	18.54 0.81 -9.69	17.87 0.78 -9.10	19.36 0.80 -10.59	24.74 0.85 -15.41	31.24 0.87 -22.39	32.05 1.62 -15.13	33.07 1.71 -15.98	30.59 1.67 -13.47	27.81 1.43 -12.27	25.94 1.24 -12.50	27.70 1.23 -14.27	26.82 1.37 -13.26	27.85 1.37 -14.29	28.31 1.30 -14.83	34.30 1.23 -20.88	38.87 1.24 -25.44	45.73 1.50 -29.69	38.48 1.84 -18.91	59.46 1.85 -39.82	34.37 1.50 -17.44	28.11 1.54 -11.14	28.11 0.78 -19.38
TILDEN___115KV_TB1 80814	9.50 -0.02 -1.24	9.65 -0.02 -1.08	9.07 -0.02 -1.04	9.01 -0.02 -1.03	9.05 -0.02 -1.10	9.64 0.00 -1.16	9.95 -0.01 -1.98	16.68 -0.12 -1.52	16.25 -0.14 -1.01	15.86 -0.15 -0.57	14.65 -0.14 -0.68	12.85 -0.15 -0.81	13.01 -0.13 -0.95	13.01 -0.15 -0.96	13.02 -0.13 -0.96	13.17 -0.15 -1.13	13.55 -0.13 -1.49	14.18 -0.09 -2.07	16.75 -0.13 -2.34	19.60 -0.09 -1.96	19.63 -0.05 -1.91	16.93 -0.06 -1.56	16.13 -0.06 -0.76	9.32 0.05 -1.32
TRIGEN___CC 323695	23.49 0.66 -14.55	20.84 0.70 -11.57	18.37 0.64 -9.69	17.72 0.62 -9.10	19.20 0.64 -10.59	24.57 0.68 -15.41	31.04 0.67 -22.39	31.72 1.30 -15.13	32.79 1.43 -15.98	29.66 1.45 -12.75	27.67 1.28 -12.27	25.84 1.15 -12.50	27.60 1.13 -14.27	26.66 1.21 -13.26	27.68 1.19 -14.29	28.17 1.16 -14.83	34.15 1.08 -20.88	38.68 1.05 -25.44	45.50 1.27 -29.69	38.18 1.54 -18.91	59.12 1.51 -39.82	34.14 1.27 -17.44	27.83 1.27 -11.14	27.32 0.64 -18.72
TRINITY__115KV__ 4 BK 55933	22.08 0.13 -13.67	20.72 0.14 -12.00	19.70 0.15 -11.50	19.54 0.15 -11.38	20.24 0.14 -12.14	21.53 0.16 -12.89	30.00 0.13 -21.90	32.29 0.21 -16.78	26.57 0.29 -10.90	21.88 0.32 -6.11	21.64 0.28 -7.24	21.31 0.26 -8.87	22.44 0.21 -10.04	22.70 0.22 -10.29	22.67 0.22 -10.26	24.62 0.22 -12.22	28.43 0.24 -16.00	34.73 0.24 -22.29	39.87 0.29 -25.04	39.60 0.35 -21.52	39.23 0.36 -21.10	33.04 0.31 -17.30	24.17 0.31 -8.43	22.71 0.14 -14.61

UNION___PROCESSING_DRP 323587	9.75 0.11 -1.36	9.89 0.11 -1.20	9.31 0.12 -1.15	9.25 0.11 -1.13	9.28 0.10 -1.21	9.90 0.14 -1.28	10.20 0.04 -2.18	16.72 -0.24 -1.67	16.21 -0.29 -1.11	15.71 -0.37 -0.62	14.61 -0.25 -0.75	12.82 -0.27 -0.89	13.00 -0.24 -1.05	13.01 -0.24 -1.06	12.98 -0.27 -1.06	13.14 -0.29 -1.25	13.59 -0.24 -1.65	14.30 -0.17 -2.28	16.83 -0.29 -2.58	19.52 -0.37 -2.16	19.53 -0.36 -2.10	16.83 -0.32 -1.72	15.98 -0.29 -0.84	9.53 0.12 -1.46
UPPER HUDSON___HYD 24058	22.97 0.30 -14.39	21.57 0.32 -12.67	20.47 0.29 -12.14	20.30 0.28 -12.01	21.07 0.30 -12.81	22.44 0.36 -13.60	31.47 0.38 -23.11	33.67 0.66 -17.72	27.64 0.71 -11.55	22.50 0.57 -6.47	22.34 0.54 -7.69	21.96 0.39 -9.38	23.31 0.43 -10.69	23.55 0.44 -10.92	23.52 0.44 -10.89	25.60 0.46 -12.96	29.73 0.56 -16.97	36.45 0.62 -23.63	41.85 0.74 -26.57	41.38 0.90 -22.75	41.01 0.96 -22.27	34.47 0.77 -18.26	25.06 0.73 -8.90	23.72 0.34 -15.43
UPPER RAQUET___HYD 24056	7.77 -0.51 0.00	8.04 -0.54 0.00	7.55 -0.49 0.00	7.55 -0.46 0.00	7.54 -0.43 0.00	7.93 -0.54 0.00	7.56 -0.42 0.00	14.71 -0.58 0.00	14.60 -0.78 0.00	14.74 -0.71 0.00	13.42 -0.69 0.00	11.58 -0.61 0.00	11.56 -0.63 0.00	11.54 -0.65 0.00	11.54 -0.65 0.00	11.57 -0.61 0.00	11.57 -0.62 0.00	11.62 -0.57 0.00	13.93 -0.61 0.00	16.84 -0.89 0.00	16.86 -0.93 0.00	14.74 -0.69 0.00	14.71 -0.73 0.00	7.47 -0.49 0.00
VALLEY44_115KV_TB2 355964	10.48 0.08 -2.12	10.57 0.13 -1.86	9.97 0.14 -1.79	9.89 0.12 -1.77	9.94 0.09 -1.88	10.58 0.10 -2.00	11.39 0.01 -3.40	17.51 -0.38 -2.61	16.67 -0.45 -1.74	15.89 -0.54 -0.97	14.82 -0.47 -1.17	13.13 -0.45 -1.39	13.40 -0.43 -1.64	13.41 -0.44 -1.65	13.37 -0.48 -1.65	13.62 -0.51 -1.95	14.29 -0.46 -2.57	15.43 -0.32 -3.56	18.09 -0.47 -4.02	20.51 -0.59 -3.37	20.50 -0.55 -3.27	17.58 -0.54 -2.69	16.26 -0.48 -1.31	10.28 0.06 -2.27
VALLEY___115KV_TB 1-4 80826	8.30 -0.02 -0.05	8.61 -0.01 -0.04	8.07 -0.02 -0.04	8.03 -0.02 -0.04	8.00 -0.02 -0.04	8.52 0.00 -0.05	8.01 -0.05 -0.08	15.23 -0.12 -0.06	15.30 -0.12 -0.04	15.35 -0.12 -0.02	14.01 -0.13 -0.03	12.09 -0.13 -0.03	12.07 -0.16 -0.04	12.02 -0.21 -0.04	12.00 -0.23 -0.04	11.99 -0.23 -0.04	12.02 -0.23 -0.06	12.05 -0.22 -0.08	14.37 -0.26 -0.09	17.54 -0.27 -0.08	17.63 -0.23 -0.08	15.42 -0.08 -0.06	15.39 -0.08 -0.03	7.97 -0.03 -0.05
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	14.34 0.33 -5.74	13.99 0.37 -5.04	13.21 0.34 -4.82	13.11 0.34 -4.77	13.39 0.33 -5.09	14.27 0.39 -5.41	17.58 0.41 -9.19	23.03 0.70 -7.04	20.74 0.68 -4.68	18.65 0.57 -2.63	17.80 0.54 -3.15	16.40 0.45 -3.76	17.05 0.44 -4.42	17.15 0.50 -4.46	17.10 0.45 -4.46	17.89 0.45 -5.26	19.59 0.48 -6.92	22.32 0.52 -9.60	25.99 0.61 -10.83	27.69 0.87 -9.10	27.54 0.91 -8.85	23.40 0.71 -7.26	19.66 0.69 -3.54	14.46 0.38 -6.13
VISCHER___FERRY HYD 24020	22.56 0.29 -14.00	21.21 0.30 -12.33	20.13 0.28 -11.81	19.97 0.28 -11.69	20.71 0.28 -12.46	22.03 0.32 -13.23	30.75 0.30 -22.48	33.02 0.50 -17.23	27.13 0.58 -11.16	22.22 0.51 -6.25	22.03 0.51 -7.41	21.68 0.40 -9.09	22.87 0.41 -10.27	23.14 0.41 -10.53	23.11 0.41 -10.50	25.11 0.41 -12.52	29.02 0.45 -16.38	35.49 0.46 -22.83	40.73 0.55 -25.64	40.50 0.69 -22.08	40.15 0.71 -21.66	33.79 0.60 -17.76	24.71 0.62 -8.66	23.25 0.29 -15.00
V_A_10_SYNC_DSASP 323832	9.82 0.07 -1.47	9.98 0.10 -1.29	9.40 0.12 -1.24	9.33 0.10 -1.22	9.36 0.09 -1.31	9.96 0.09 -1.39	10.28 -0.06 -2.36	16.57 -0.55 -1.83	15.95 -0.65 -1.22	15.49 -0.65 -0.68	14.32 -0.61 -0.82	12.67 -0.50 -0.98	12.85 -0.49 -1.14	12.86 -0.49 -1.16	12.83 -0.51 -1.15	13.00 -0.55 -1.36	13.49 -0.50 -1.80	14.14 -0.54 -2.49	16.75 -0.60 -2.80	19.31 -0.78 -2.37	19.34 -0.75 -2.30	16.67 -0.65 -1.89	15.78 -0.57 -0.92	9.62 0.07 -1.60
V_CMM_10_SYNC_DSASP 323787	8.09 -0.19 0.00	8.37 -0.21 0.00	7.85 -0.19 0.00	7.83 -0.18 0.00	7.79 -0.18 0.00	8.25 -0.23 0.00	7.79 -0.18 0.00	15.06 -0.23 0.00	15.06 -0.32 0.00	15.17 -0.28 0.00	13.85 -0.27 0.00	11.96 -0.23 0.00	11.96 -0.23 0.00	11.95 -0.24 0.00	11.96 -0.23 0.00	11.97 -0.21 0.00	11.96 -0.23 0.00	11.97 -0.22 0.00	14.28 -0.26 0.00	17.30 -0.43 0.00	17.32 -0.46 0.00	15.06 -0.37 0.00	15.06 -0.37 0.00	7.71 -0.24 0.00
V_CMP_10_SYNC_DSASP 323788	8.46 0.18 0.00	8.74 0.15 0.00	8.17 0.13 0.00	8.11 0.11 0.00	8.02 0.05 0.00	8.47 -0.01 0.00	8.03 0.06 0.00	15.58 0.29 0.00	15.46 0.08 0.00	15.50 0.05 0.00	14.14 0.03 0.00	12.11 -0.08 0.00	12.15 -0.04 0.00	12.07 -0.12 0.00	12.06 -0.13 0.00	12.08 -0.10 0.00	12.04 -0.15 0.00	12.07 -0.12 0.00	14.45 -0.09 0.00	17.55 -0.18 0.00	17.43 -0.36 0.00	14.94 -0.49 0.00	14.86 -0.57 0.00	7.61 -0.34 0.00
V_E_10_SYNC_DSASP 323830	11.79 0.58 -2.93	11.81 0.66 -2.57	11.11 0.61 -2.46	11.04 0.61 -2.43	11.17 0.61 -2.59	11.99 0.75 -2.76	13.36 0.70 -4.68	21.98 1.67 -5.02	20.12 1.41 -3.32	18.60 1.28 -1.86	17.48 1.13 -2.23	15.79 0.93 -2.68	16.15 0.84 -3.12	16.18 0.83 -3.16	16.07 0.72 -3.16	16.65 0.74 -3.73	17.94 0.84 -4.91	19.97 0.96 -6.81	23.50 1.28 -7.68	26.21 2.00 -6.48	26.17 2.08 -6.31	22.55 1.94 -5.18	19.88 1.93 -2.52	13.34 1.02 -4.37
V_F_30_NSYNC___DSASP 323816	23.00 0.39 -14.34	21.61 0.40 -12.62	20.51 0.37 -12.09	20.33 0.36 -11.97	21.10 0.37 -12.76	22.45 0.42 -13.55	31.42 0.41 -23.02	33.66 0.72 -17.65	27.66 0.78 -11.49	22.57 0.68 -6.44	22.41 0.65 -7.65	22.04 0.51 -9.33	23.35 0.54 -10.62	23.60 0.55 -10.86	23.56 0.54 -10.84	25.63 0.56 -12.89	29.70 0.62 -16.89	36.37 0.66 -23.52	41.76 0.78 -26.43	41.34 0.96 -22.65	40.96 1.00 -22.18	34.47 0.85 -18.19	25.12 0.82 -8.87	23.72 0.41 -15.37
V_F_30_SYNC_DSASP 323786	22.30 0.16 -13.87	20.95 0.15 -12.21	19.92 0.18 -11.70	19.76 0.18 -11.58	20.47 0.16 -12.35	21.77 0.18 -13.11	30.40 0.14 -22.28	32.61 0.24 -17.07	26.86 0.35 -11.12	22.02 0.34 -6.23	21.88 0.37 -7.40	21.51 0.29 -9.03	22.73 0.26 -10.28	22.96 0.26 -10.51	22.93 0.26 -10.48	24.91 0.26 -12.47	28.81 0.28 -16.34	35.23 0.28 -22.75	40.45 0.33 -25.57	40.05 0.41 -21.91	39.67 0.43 -21.46	33.40 0.37 -17.60	24.37 0.36 -8.58	22.99 0.17 -14.86
V_XM_10_SYNC_DSASP 323789	8.46 0.18 0.00	8.74 0.15 0.00	8.17 0.13 0.00	8.11 0.11 0.00	8.02 0.05 0.00	8.47 -0.01 0.00	8.03 0.06 0.00	15.58 0.29 0.00	15.46 0.08 0.00	15.50 0.05 0.00	14.14 0.03 0.00	12.11 -0.08 0.00	12.15 -0.04 0.00	12.07 -0.12 0.00	12.06 -0.13 0.00	12.08 -0.10 0.00	12.04 -0.15 0.00	12.07 -0.12 0.00	14.45 -0.09 0.00	17.55 -0.18 0.00	17.43 -0.36 0.00	14.94 -0.49 0.00	14.86 -0.57 0.00	7.61 -0.34 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.33 0.50 -10.55	18.36 0.51 -9.26	17.39 0.47 -8.87	17.26 0.47 -8.78	17.81 0.48 -9.36	18.94 0.52 -9.94	25.38 0.51 -16.90	29.25 1.01 -12.95	25.26 1.12 -8.76	21.58 1.21 -4.92	21.15 1.09 -5.95	20.12 0.96 -6.97	21.54 0.95 -8.39	21.55 0.96 -8.40	21.55 0.96 -8.40	22.96 0.94 -9.84	26.07 0.88 -13.00	31.05 0.87 -17.99	35.93 1.03 -20.36	35.85 1.29 -16.83	35.34 1.28 -16.28	29.88 1.10 -13.35	23.00 1.06 -6.51	19.76 0.53 -11.27

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	19.75 0.55 -10.92	18.75 0.58 -9.59	17.77 0.54 -9.19	17.62 0.53 -9.09	18.20 0.53 -9.69	19.34 0.57 -10.30	26.04 0.57 -17.49	29.83 1.13 -13.41	25.79 1.32 -9.08	21.96 1.41 -5.10	21.58 1.28 -6.18	20.56 1.15 -7.22	22.04 1.13 -8.72	22.05 1.15 -8.71	22.05 1.15 -8.71	23.49 1.11 -10.21	26.71 1.02 -13.49	31.83 0.98 -18.66	36.85 1.18 -21.13	36.58 1.42 -17.43	36.02 1.39 -16.85	30.44 1.19 -13.82	23.31 1.14 -6.74	20.20 0.57 -11.67
W50THST__13_KV_LOAD 356117	19.80 0.60 -10.92	18.81 0.63 -9.59	17.81 0.58 -9.19	17.66 0.57 -9.09	18.24 0.57 -9.69	19.39 0.62 -10.30	26.08 0.61 -17.49	29.94 1.24 -13.41	25.90 1.43 -9.08	22.08 1.53 -5.10	21.69 1.40 -6.18	20.66 1.24 -7.22	22.15 1.24 -8.72	22.15 1.24 -8.71	22.14 1.23 -8.71	23.58 1.19 -10.21	26.81 1.12 -13.49	31.92 1.07 -18.66	36.96 1.29 -21.13	36.70 1.54 -17.43	36.13 1.49 -16.85	30.55 1.30 -13.82	23.40 1.23 -6.74	20.25 0.62 -11.67
WADING RIVER_IC_1 23522	23.62 0.72 -14.62	21.10 0.76 -11.76	18.62 0.71 -9.87	17.95 0.67 -9.28	19.45 0.69 -10.79	24.83 0.74 -15.62	31.48 0.76 -22.74	32.06 1.39 -15.38	33.01 1.49 -16.14	31.44 1.44 -14.55	27.85 1.37 -12.37	25.92 1.10 -12.63	27.76 1.16 -14.41	26.74 1.15 -13.41	27.79 1.16 -14.44	28.28 1.10 -15.00	34.34 1.05 -21.10	38.98 1.04 -25.75	45.86 1.28 -30.04	38.52 1.58 -19.22	59.48 1.57 -40.13	34.43 1.30 -17.70	28.02 1.33 -11.26	29.14 0.68 -20.51
WADING RIVER_IC_2 23547	23.62 0.72 -14.62	21.10 0.76 -11.76	18.62 0.71 -9.87	17.95 0.67 -9.28	19.45 0.69 -10.79	24.83 0.74 -15.62	31.48 0.76 -22.74	32.06 1.39 -15.38	33.01 1.49 -16.14	31.44 1.44 -14.55	27.85 1.37 -12.37	25.92 1.10 -12.63	27.76 1.16 -14.41	26.74 1.15 -13.41	27.79 1.16 -14.44	28.28 1.10 -15.00	34.34 1.05 -21.10	38.98 1.04 -25.75	45.86 1.28 -30.04	38.52 1.58 -19.22	59.48 1.57 -40.13	34.43 1.30 -17.70	28.02 1.33 -11.26	29.14 0.68 -20.51
WADING RIVER_IC_3 23601	23.62 0.72 -14.62	21.10 0.76 -11.76	18.62 0.71 -9.87	17.95 0.67 -9.28	19.45 0.69 -10.79	24.83 0.74 -15.62	31.48 0.76 -22.74	32.06 1.39 -15.38	33.01 1.49 -16.14	31.44 1.44 -14.55	27.85 1.37 -12.37	25.92 1.10 -12.63	27.76 1.16 -14.41	26.74 1.15 -13.41	27.79 1.16 -14.44	28.28 1.10 -15.00	34.34 1.05 -21.10	38.98 1.04 -25.75	45.86 1.28 -30.04	38.52 1.58 -19.22	59.48 1.57 -40.13	34.43 1.30 -17.70	28.02 1.33 -11.26	29.14 0.68 -20.51
WALDENNY_12_KV_BK2 80841	10.16 0.15 -1.73	10.30 0.20 -1.52	9.71 0.21 -1.45	9.63 0.19 -1.44	9.65 0.15 -1.53	10.28 0.17 -1.63	10.76 0.02 -2.77	16.94 -0.47 -2.12	16.24 -0.55 -1.41	15.60 -0.65 -0.79	14.57 -0.49 -0.95	12.84 -0.49 -1.13	13.08 -0.45 -1.34	13.06 -0.48 -1.35	13.01 -0.52 -1.35	13.21 -0.56 -1.59	13.77 -0.51 -2.09	14.74 -0.35 -2.90	17.25 -0.57 -3.27	19.73 -0.74 -2.74	19.72 -0.73 -2.67	16.99 -0.63 -2.19	15.94 -0.56 -1.07	9.91 0.11 -1.85
WALDEN__HYDRO 24148	19.36 0.50 -10.59	18.31 0.49 -9.24	17.35 0.46 -8.85	17.21 0.45 -8.76	17.77 0.46 -9.34	18.90 0.51 -9.92	25.33 0.50 -16.85	29.16 0.99 -12.88	25.15 1.09 -8.68	21.44 1.11 -4.87	21.02 1.02 -5.88	19.99 0.88 -6.92	21.36 0.88 -8.29	21.38 0.88 -8.31	21.37 0.88 -8.30	22.78 0.85 -9.75	25.85 0.79 -12.87	30.80 0.79 -17.81	35.66 0.97 -20.15	35.75 1.31 -16.71	35.28 1.32 -16.19	29.83 1.13 -13.27	22.98 1.08 -6.47	19.70 0.53 -11.21
WARRENSBURG____ 23737	22.97 0.30 -14.39	21.57 0.32 -12.67	20.47 0.29 -12.14	20.30 0.28 -12.01	21.07 0.30 -12.81	22.44 0.36 -13.60	31.47 0.38 -23.11	33.67 0.66 -17.72	27.64 0.71 -11.55	22.50 0.57 -6.47	22.34 0.54 -7.69	21.96 0.39 -9.38	23.31 0.43 -10.69	23.55 0.44 -10.92	23.52 0.44 -10.89	25.60 0.46 -12.96	29.73 0.56 -16.97	36.45 0.62 -23.63	41.85 0.74 -26.57	41.38 0.90 -22.75	41.01 0.96 -22.27	34.47 0.77 -18.26	25.06 0.73 -8.90	23.72 0.34 -15.43
WATERSIDE____6 8 9 23538	19.73 0.53 -10.92	18.74 0.57 -9.59	17.75 0.51 -9.19	17.60 0.50 -9.09	18.17 0.50 -9.70	19.31 0.53 -10.30	26.00 0.53 -17.49	29.75 1.06 -13.41	25.73 1.26 -9.08	21.91 1.36 -5.10	21.54 1.24 -6.18	20.52 1.11 -7.22	22.01 1.10 -8.72	22.02 1.11 -8.72	22.02 1.11 -8.72	23.45 1.06 -10.21	26.67 0.99 -13.50	31.78 0.93 -18.66	36.82 1.15 -21.13	36.53 1.37 -17.43	35.95 1.32 -16.85	30.38 1.13 -13.82	23.25 1.08 -6.74	20.18 0.56 -11.67
WATKINRD_115KV_LN8_ILLION 55919	8.32 -0.01 -0.05	8.62 0.00 -0.04	8.08 -0.01 -0.04	8.04 -0.01 -0.04	8.00 -0.01 -0.04	8.53 0.01 -0.05	8.04 -0.02 -0.08	15.29 -0.06 -0.06	15.36 -0.06 -0.04	15.40 -0.08 -0.02	14.07 -0.07 -0.03	12.14 -0.09 -0.03	12.14 -0.09 -0.04	12.12 -0.11 -0.04	12.11 -0.12 -0.04	12.09 -0.13 -0.04	12.13 -0.12 -0.06	12.16 -0.11 -0.08	14.50 -0.13 -0.09	17.68 -0.12 -0.08	17.75 -0.11 -0.08	15.48 -0.02 -0.06	15.45 -0.02 -0.03	8.00 0.00 -0.05
WATSON____69_KV_BK 1 55734	23.67 0.84 -14.55	21.04 0.89 -11.57	18.55 0.82 -9.69	17.89 0.79 -9.10	19.38 0.81 -10.59	24.76 0.87 -15.41	31.25 0.88 -22.39	32.09 1.67 -15.13	33.13 1.77 -15.98	30.63 1.73 -13.45	27.88 1.50 -12.27	26.02 1.33 -12.50	27.77 1.30 -14.27	26.88 1.43 -13.26	27.91 1.43 -14.29	28.38 1.38 -14.83	34.37 1.30 -20.88	38.92 1.29 -25.44	45.74 1.51 -29.69	38.48 1.84 -18.91	59.46 1.85 -39.82	34.44 1.56 -17.44	28.19 1.62 -11.14	28.14 0.83 -19.36
WDELAWARE__HYD 323627	17.78 0.58 -8.93	16.93 0.55 -7.80	16.03 0.52 -7.47	15.90 0.50 -7.40	16.39 0.53 -7.89	17.46 0.61 -8.37	22.77 0.57 -14.23	27.10 1.15 -10.66	23.70 1.17 -7.14	20.81 1.34 -4.01	20.02 1.07 -4.83	18.89 0.99 -5.72	19.89 0.91 -6.79	19.94 0.93 -6.83	19.93 0.91 -6.82	21.10 0.90 -8.02	23.58 0.80 -10.58	27.68 0.83 -14.66	32.12 1.02 -16.57	33.01 1.47 -13.81	32.68 1.49 -13.40	27.81 1.39 -10.99	22.15 1.36 -5.36	17.92 0.68 -9.28
WEST BABYLON__IC 23714	23.63 0.80 -14.55	21.00 0.85 -11.57	18.52 0.79 -9.69	17.85 0.75 -9.10	19.34 0.77 -10.59	24.72 0.83 -15.41	31.20 0.83 -22.39	32.01 1.59 -15.13	33.06 1.69 -15.98	30.52 1.67 -13.40	27.83 1.45 -12.27	25.98 1.29 -12.50	27.73 1.27 -14.27	26.83 1.38 -13.26	27.86 1.38 -14.29	28.34 1.33 -14.83	34.33 1.26 -20.88	38.86 1.23 -25.44	45.68 1.45 -29.69	38.41 1.77 -18.91	59.38 1.78 -39.82	34.37 1.50 -17.44	28.11 1.54 -11.14	28.06 0.79 -19.32
WEST CANADA__HYD 24049	8.29 0.02 0.00	8.60 0.02 0.00	8.06 0.02 0.00	8.01 0.01 0.00	7.98 0.01 0.00	8.49 0.02 0.00	7.99 0.01 0.00	15.29 0.00 0.00	15.40 0.02 0.00	15.44 -0.02 0.00	14.11 0.00 0.00	12.18 -0.01 0.00	12.19 0.00 0.00	12.19 0.00 0.00	12.18 -0.01 0.00	12.17 -0.01 0.00	12.19 0.00 0.00	12.19 0.00 0.00	14.54 0.00 0.00	17.75 0.02 0.00	17.80 0.02 0.00	15.45 0.02 0.00	15.45 0.02 0.00	7.98 0.02 0.00
WESTERN_NY_WIND 24143	9.91 0.15 -1.48	10.04 0.16 -1.30	9.45 0.17 -1.24	9.39 0.16 -1.23	9.42 0.14 -1.31	10.06 0.20 -1.39	10.39 0.05 -2.36	16.75 -0.38 -1.84	15.80 -0.89 -1.31	15.21 -0.97 -0.73	14.10 -0.89 -0.88	12.45 -0.79 -1.05	12.66 -0.76 -1.23	12.68 -0.76 -1.24	12.64 -0.79 -1.24	12.81 -0.84 -1.47	13.34 -0.78 -1.93	14.19 -0.50 -2.49	16.86 -0.49 -2.81	19.44 -0.66 -2.37	19.47 -0.62 -2.31	16.79 -0.54 -1.90	15.86 -0.49 -0.92	9.66 0.11 -1.60

WESTOVER___LESR 323668	11.78 0.18 -3.32	11.70 0.21 -2.91	11.02 0.19 -2.79	10.95 0.18 -2.76	11.09 0.18 -2.94	11.81 0.21 -3.12	13.45 0.17 -5.31	19.53 0.17 -4.07	18.23 0.14 -2.71	17.07 0.09 -1.52	16.04 0.10 -1.83	14.41 0.05 -2.18	14.81 0.06 -2.56	14.82 0.05 -2.58	14.83 0.06 -2.58	15.26 0.04 -3.04	16.27 0.07 -4.01	17.89 0.13 -5.56	20.93 0.12 -6.28	23.18 0.19 -5.26	23.13 0.23 -5.12	19.81 0.19 -4.20	17.68 0.20 -2.05	11.71 0.21 -3.54
WETHRSFD_WT_PWR 323626	10.37 0.17 -1.92	10.47 0.21 -1.68	9.87 0.22 -1.61	9.79 0.19 -1.59	9.83 0.17 -1.70	10.47 0.20 -1.80	11.11 0.07 -3.06	17.38 -0.29 -2.38	16.57 -0.40 -1.58	15.92 -0.42 -0.89	14.74 -0.44 -1.06	13.10 -0.37 -1.27	13.32 -0.35 -1.49	13.33 -0.37 -1.51	13.30 -0.39 -1.50	13.53 -0.43 -1.78	14.16 -0.37 -2.34	15.06 -0.37 -3.24	17.80 -0.39 -3.65	20.33 -0.48 -3.08	20.32 -0.46 -3.00	17.47 -0.42 -2.46	16.26 -0.37 -1.20	10.17 0.14 -2.08
WHAVSTOR_138KV_BK127 55557	19.33 0.49 -10.56	18.35 0.50 -9.27	17.39 0.46 -8.88	17.24 0.45 -8.79	17.80 0.45 -9.38	18.92 0.49 -9.96	25.37 0.48 -16.92	29.21 0.95 -12.97	25.23 1.08 -8.77	21.52 1.14 -4.92	21.10 1.03 -5.96	20.08 0.91 -6.98	21.51 0.91 -8.40	21.51 0.91 -8.41	21.51 0.91 -8.41	22.92 0.89 -9.85	26.05 0.84 -13.02	31.02 0.82 -18.01	35.90 0.97 -20.38	35.80 1.22 -16.85	35.29 1.21 -16.30	29.82 1.02 -13.37	22.95 1.00 -6.52	19.74 0.50 -11.29
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.33 0.49 -10.56	18.35 0.50 -9.27	17.39 0.46 -8.88	17.24 0.45 -8.79	17.80 0.45 -9.38	18.92 0.49 -9.96	25.37 0.48 -16.92	29.21 0.95 -12.97	25.23 1.08 -8.77	21.52 1.14 -4.92	21.10 1.03 -5.96	20.08 0.91 -6.98	21.51 0.91 -8.40	21.51 0.91 -8.41	21.51 0.91 -8.41	22.92 0.89 -9.85	26.05 0.84 -13.02	31.02 0.82 -18.01	35.90 0.97 -20.38	35.80 1.22 -16.85	35.29 1.21 -16.30	29.82 1.02 -13.37	22.95 1.00 -6.52	19.74 0.50 -11.29
WHITEHAL_115KV_TB1 80871	23.19 0.46 -14.46	21.75 0.48 -12.69	20.64 0.44 -12.16	20.46 0.42 -12.03	21.25 0.45 -12.83	22.64 0.54 -13.62	31.69 0.57 -23.15	34.04 1.01 -17.74	28.26 1.29 -11.58	23.01 1.07 -6.49	22.71 0.88 -7.72	22.31 0.72 -9.40	23.45 0.52 -10.74	23.79 0.63 -10.96	23.76 0.63 -10.94	25.85 0.67 -13.00	30.03 0.80 -17.04	36.82 0.91 -23.71	42.30 1.09 -26.67	41.83 1.31 -22.79	41.52 1.44 -22.30	34.86 1.14 -18.29	25.41 1.06 -8.92	23.91 0.51 -15.45
WHITEPLN_13_KV_LOAD 356215	19.73 0.55 -10.90	18.75 0.60 -9.57	17.77 0.56 -9.17	17.62 0.54 -9.07	18.18 0.54 -9.67	19.33 0.58 -10.27	25.98 0.55 -17.46	29.77 1.10 -13.38	25.69 1.25 -9.06	21.87 1.33 -5.09	21.49 1.21 -6.17	20.47 1.07 -7.21	21.97 1.07 -8.70	21.94 1.05 -8.70	21.92 1.04 -8.70	23.36 1.00 -10.19	26.62 0.96 -13.47	31.75 0.94 -18.62	36.76 1.13 -21.08	36.49 1.37 -17.40	35.95 1.35 -16.82	30.43 1.20 -13.79	23.30 1.14 -6.72	20.17 0.57 -11.65
WM_FLOYD_69_KV_BK2 356380	23.61 0.79 -14.55	20.99 0.84 -11.57	18.51 0.78 -9.69	17.84 0.74 -9.10	19.33 0.77 -10.59	24.70 0.81 -15.41	31.20 0.83 -22.39	31.98 1.56 -15.13	32.99 1.63 -15.98	30.54 1.62 -13.47	27.76 1.38 -12.27	25.91 1.22 -12.50	27.66 1.19 -14.27	26.76 1.30 -13.26	27.79 1.30 -14.29	28.25 1.24 -14.83	34.24 1.17 -20.88	38.81 1.18 -25.44	45.66 1.42 -29.69	38.39 1.76 -18.91	59.37 1.76 -39.82	34.31 1.44 -17.44	28.06 1.50 -11.14	28.09 0.76 -19.38
WOODARD__115KV_TB2 355635	9.28 -0.06 -1.06	9.45 -0.06 -0.93	8.88 -0.06 -0.89	8.83 -0.06 -0.88	8.86 -0.06 -0.94	9.43 -0.04 -1.00	9.61 -0.07 -1.70	16.35 -0.24 -1.30	15.99 -0.26 -0.87	15.66 -0.28 -0.49	14.46 -0.24 -0.58	12.66 -0.23 -0.70	12.80 -0.21 -0.82	12.80 -0.22 -0.83	12.80 -0.22 -0.83	12.92 -0.23 -0.97	13.29 -0.18 -1.28	13.81 -0.16 -1.78	16.34 -0.20 -2.01	19.22 -0.20 -1.68	19.26 -0.16 -1.64	16.62 -0.15 -1.34	15.93 -0.15 -0.65	9.09 0.00 -1.13
YORK___WARBASSE 23770	19.77 0.56 -10.92	18.75 0.58 -9.59	17.76 0.53 -9.19	17.61 0.51 -9.09	18.18 0.52 -9.70	19.32 0.54 -10.30	26.01 0.53 -17.49	29.77 1.07 -13.41	25.74 1.28 -9.08	21.93 1.38 -5.10	21.55 1.26 -6.18	20.54 1.12 -7.22	22.03 1.12 -8.72	22.04 1.13 -8.72	22.03 1.12 -8.72	23.47 1.08 -10.21	26.70 1.01 -13.50	31.80 0.95 -18.66	36.86 1.19 -21.13	36.56 1.40 -17.43	36.00 1.37 -16.85	30.41 1.16 -13.82	23.30 1.13 -6.74	20.21 0.58 -11.67