

Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses															--- Marginal Cost of Congestion										05/17/2023		
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 24138	EDT	22.08	18.75	17.58	17.19	17.45	19.75	26.98	30.52	24.87	20.63	19.40	18.51	18.44	19.05	20.97	20.09	21.74	30.04	33.50	34.93	34.85	29.12	23.68	21.38				
		0.53	0.43	0.36	0.35	0.42	0.50	0.75	0.74	0.98	1.11	1.04	0.78	0.75	0.77	0.71	0.73	0.69	0.89	1.16	1.49	2.01	1.55	1.56	0.89				
		-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.18	-12.05	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99				
74TH STREET_GT_1 24260	EDT	22.06	18.74	17.57	17.18	17.44	19.73	26.95	30.49	24.83	20.58	19.36	18.48	18.41	19.02	21.06	20.07	21.72	30.01	33.47	34.88	34.78	29.08	23.64	21.36				
		0.52	0.42	0.35	0.34	0.41	0.49	0.72	0.71	0.94	1.06	1.00	0.75	0.72	0.74	0.67	0.70	0.67	0.86	1.12	1.43	1.94	1.51	1.52	0.86				
		-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99				
74TH STREET_GT_2 24261	EDT	22.06	18.74	17.57	17.18	17.44	19.73	26.95	30.49	24.83	20.58	19.36	18.48	18.41	19.02	21.06	20.07	21.72	30.01	33.47	34.88	34.78	29.08	23.64	21.36				
		0.52	0.42	0.35	0.34	0.41	0.49	0.72	0.71	0.94	1.06	1.00	0.75	0.72	0.74	0.67	0.70	0.67	0.86	1.12	1.43	1.94	1.51	1.52	0.86				
		-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99				
ADK HUDSON___FALLS 24011	EDT	25.32	21.52	20.40	19.91	19.98	22.42	30.70	35.23	27.49	22.01	20.77	20.52	20.57	21.13	21.64	22.52	24.78	33.82	36.74	38.19	36.13	30.25	23.42	23.07				
		0.22	0.16	0.13	0.13	0.17	0.22	0.35	0.31	0.30	0.51	0.50	0.37	0.33	0.33	0.33	0.34	0.18	0.27	0.34	0.59	0.99	0.88	0.71	0.32				
		-17.71	-15.12	-15.16	-14.68	-13.85	-14.72	-20.39	-25.44	-16.33	-9.79	-9.44	-11.97	-12.66	-13.07	-14.23	-14.88	-17.65	-24.51	-24.17	-20.72	-11.45	-8.98	-2.95	-11.24				
ADK RESOURCE___RCVRY 23798	EDT	25.34	21.53	20.42	19.93	19.99	22.43	30.72	35.27	27.49	22.05	20.80	20.54	20.59	21.15	21.68	22.55	24.80	33.86	36.87	38.36	36.23	30.34	23.47	23.09				
		0.23	0.16	0.14	0.14	0.17	0.22	0.38	0.33	0.32	0.56	0.52	0.38	0.34	0.35	0.35	0.36	0.19	0.29	0.42	0.71	1.07	0.94	0.75	0.33				
		-17.72	-15.14	-15.18	-14.69	-13.86	-14.73	-20.38	-25.46	-16.32	-9.79	-9.45	-11.98	-12.67	-13.08	-14.24	-14.89	-17.66	-24.53	-24.23	-20.76	-11.48	-9.00	-2.96	-11.25				
ADK S GLENS___FALLS 24028	EDT	25.32	21.52	20.40	19.91	19.98	22.42	30.70	35.23	27.49	22.01	20.77	20.52	20.57	21.13	21.64	22.52	24.78	33.82	36.74	38.19	36.13	30.25	23.42	23.07				
		0.22	0.16	0.13	0.13	0.17	0.22	0.35	0.31	0.30	0.51	0.50	0.37	0.33	0.33	0.33	0.34	0.18	0.27	0.34	0.59	0.99	0.88	0.71	0.32				
		-17.71	-15.12	-15.16	-14.68	-13.85	-14.72	-20.39	-25.44	-16.33	-9.79	-9.44	-11.97	-12.66	-13.07	-14.23	-14.88	-17.65	-24.51	-24.17	-20.72	-11.45	-8.98	-2.95	-11.24				
ADK_NYS___DAM 23527	EDT	24.84	21.13	19.98	19.52	19.63	22.08	30.11	34.44	27.09	21.61	20.39	20.07	20.10	20.63	21.09	21.95	24.27	32.76	35.66	37.67	35.82	30.08	23.55	22.80				
		0.37	0.31	0.25	0.26	0.30	0.40	0.51	0.45	0.51	0.48	0.47	0.36	0.32	0.32	0.30	0.31	0.31	0.43	0.58	0.79	1.09	1.02	0.95	0.45				
		-17.08	-14.59	-14.63	-14.16	-13.36	-14.19	-19.64	-24.51	-15.72	-9.43	-9.10	-11.54	-12.20	-12.59	-13.71	-14.34	-17.01	-23.29	-22.85	-19.99	-11.05	-8.67	-2.85	-10.84				
AIR_PRODUCTS___DRP 24190	EDT	24.79	21.08	19.94	19.47	19.57	22.00	30.00	34.35	27.03	21.60	20.38	20.05	20.08	20.62	21.07	21.93	24.23	33.02	36.06	37.58	35.76	29.97	23.47	22.80				
		0.33	0.27	0.22	0.22	0.26	0.33	0.43	0.40	0.47	0.48	0.47	0.35	0.32	0.32	0.30	0.31	0.31	0.39	0.53	0.73	1.04	0.92	0.87	0.46				
		-17.07	-14.57	-14.61	-14.15	-13.35	-14.18	-19.61	-24.47	-15.71	-9.42	-9.08	-11.52	-12.18	-12.57	-13.69	-14.31	-16.98	-23.59	-23.31	-19.97	-11.04	-8.66	-2.85	-10.83				
AKWESSNE_115KV_BK 355683	EDT	7.18	6.07	4.96	4.96	5.80	7.28	9.65	9.20	10.56	11.41	10.52	5.35	4.54	3.86	3.44	3.52	6.67	8.71	11.83	16.36	23.02	19.84	19.24	11.20				
		-0.21	-0.17	-0.14	-0.14	-0.17	-0.21	-0.31	-0.27	-0.30	-0.29	-0.31	-0.25	-0.24	-0.24	-0.23	-0.24	-0.28	-0.33	-0.40	-0.52	-0.66	-0.55	-0.51	-0.31				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.58	2.81	3.63	3.42	3.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
ALBANY___1 23571	EDT	24.79	21.08	19.94	19.47	19.57	22.00	30.00	34.35	27.03	21.60	20.38	20.05	20.08	20.62	21.07	21.93	24.23	33.02	36.06	37.58	35.76	29.97	23.47	22.80				
		0.33	0.27	0.22	0.22	0.26	0.33	0.43	0.40	0.47	0.48	0.47	0.35	0.32	0.32	0.30	0.31	0.31	0.39	0.53	0.73	1.04	0.92	0.87	0.46				
		-17.07	-14.57	-14.61	-14.15	-13.35	-14.18	-19.61	-24.47	-15.71	-9.42	-9.08	-11.52	-12.18	-12.57	-13.69	-14.31	-16.98	-23.59	-23.31	-19.97	-11.04	-8.66	-2.85	-10.83				
ALBANY___2 23572	EDT	24.79	21.08	19.94	19.47	19.57	22.00	30.00	34.35	27.03	21.60	20.38	20.05	20.08	20.62	21.07	21.93	24.23	33.02	36.06	37.58	35.76	29.97	23.47	22.80				
		0.33	0.27	0.22	0.22	0.26	0.33	0.43	0.40	0.47	0.48	0.47	0.35	0.32	0.32	0.30	0.31	0.31	0.39	0.53	0.73	1.04	0.92	0.87	0.46				
		-17.07	-14.57	-14.61	-14.15	-13.35	-14.18	-19.61	-24.47	-15.71	-9.42	-9.08	-11.52	-12.18	-12.57	-13.69	-14.31	-16.98	-23.59	-23.31	-19.97	-11.04	-8.66	-2.85	-10.83				
ALBANY___3 23573	EDT	24.79	21.08	19.94	19.47	19.57	22.00	30.00	34.35	27.03	21.60	20.38	20.05	20.08	20.62	21.07	21.93	24.23	33.02	36.06	37.58	35.76	29.97	23.47	22.80				
		0.33	0.27	0.22	0.22	0.26	0.33	0.43	0.40	0.47	0.48	0.47	0.35	0.32	0.32	0.30	0.31	0.31	0.39	0.53	0.73	1.04	0.92	0.87	0.46				
		-17.07	-14.57	-14.61	-14.15	-13.35	-14.18	-19.61	-24.47	-15.71	-9.42	-9.08	-11.52	-12.18	-12.57	-13.69	-14.31	-16.98	-23.59	-23.31	-19.97	-11.04	-8.66	-2.85	-10.83				

ALBANY___4 23574	24.79 0.33 -17.07	21.08 0.27 -14.57	19.94 0.22 -14.61	19.47 0.22 -14.15	19.57 0.26 -13.35	22.00 0.33 -14.18	30.00 0.43 -19.61	34.35 0.40 -24.47	27.03 0.47 -15.71	21.60 0.48 -9.42	20.38 0.47 -9.08	20.05 0.35 -11.52	20.08 0.32 -12.18	20.62 0.32 -12.57	21.07 0.30 -13.69	21.93 0.31 -14.31	24.23 0.31 -16.98	33.02 0.39 -23.59	36.06 0.53 -23.31	37.58 0.73 -19.97	35.76 1.04 -11.04	29.97 0.92 -8.66	23.47 0.87 -2.85	22.80 0.46 -10.83
ALBANY___LFGE 323615	24.96 0.36 -17.21	21.23 0.30 -14.69	20.08 0.24 -14.73	19.61 0.24 -14.26	19.71 0.29 -13.46	22.15 0.36 -14.30	30.21 0.47 -19.78	34.60 0.44 -24.69	27.21 0.51 -15.84	21.73 0.53 -9.50	20.50 0.51 -9.16	20.19 0.39 -11.62	20.22 0.36 -12.28	20.76 0.36 -12.68	21.22 0.33 -13.81	22.09 0.34 -14.44	24.41 0.33 -17.13	33.25 0.43 -23.78	36.29 0.58 -23.48	37.83 0.81 -20.13	35.95 1.14 -11.13	30.14 1.02 -8.73	23.58 0.95 -2.87	22.94 0.51 -10.92
ALCOA_PA_115KV_PL-6C 55860	7.20 -0.19 0.00	6.09 -0.14 0.00	4.97 -0.13 0.00	4.97 -0.13 0.00	5.82 -0.14 0.00	7.31 -0.18 0.00	9.68 -0.28 0.00	9.22 -0.26 0.00	10.57 -0.29 0.00	11.45 -0.25 0.00	10.54 -0.29 0.00	4.95 -0.26 2.97	4.10 -0.24 3.24	3.31 -0.24 4.18	2.92 -0.23 3.94	2.98 -0.23 4.09	6.65 -0.30 0.00	8.69 -0.35 0.00	11.82 -0.42 0.00	16.38 -0.51 0.00	23.04 -0.64 0.00	19.90 -0.49 0.00	19.32 -0.43 0.00	11.24 -0.26 0.00
ALCOA_RYNLDS___DRP 24188	7.20 -0.19 0.00	6.09 -0.14 0.00	4.97 -0.13 0.00	4.97 -0.13 0.00	5.82 -0.14 0.00	7.31 -0.18 0.00	9.68 -0.28 0.00	9.22 -0.26 0.00	10.57 -0.29 0.00	11.45 -0.25 0.00	10.54 -0.29 0.00	4.95 -0.26 2.97	4.10 -0.24 3.24	3.31 -0.24 4.18	2.92 -0.23 3.94	2.98 -0.23 4.09	6.65 -0.30 0.00	8.69 -0.35 0.00	11.82 -0.42 0.00	16.38 -0.51 0.00	23.04 -0.64 0.00	19.90 -0.49 0.00	19.32 -0.43 0.00	11.24 -0.26 0.00
ALCOA___DSASP 323711	7.20 -0.19 0.00	6.09 -0.14 0.00	4.97 -0.13 0.00	4.97 -0.13 0.00	5.82 -0.14 0.00	7.31 -0.18 0.00	9.68 -0.28 0.00	9.22 -0.26 0.00	10.57 -0.29 0.00	11.45 -0.25 0.00	10.54 -0.29 0.00	4.95 -0.26 2.97	4.10 -0.24 3.24	3.31 -0.24 4.18	2.92 -0.23 3.94	2.98 -0.23 4.09	6.66 -0.30 0.00	8.69 -0.35 0.00	11.80 -0.43 0.00	16.38 -0.51 0.00	23.04 -0.64 0.00	19.90 -0.49 0.00	19.32 -0.43 0.00	11.24 -0.26 0.00
ALLEGHENY___COGEN 23514	10.29 0.53 -2.36	8.66 0.41 -2.02	7.44 0.32 -2.02	7.40 0.34 -1.96	8.22 0.41 -1.85	10.05 0.60 -1.96	13.53 0.86 -2.72	13.61 0.75 -3.39	13.67 0.63 -2.18	13.63 0.63 -1.30	12.70 0.61 -1.26	10.26 0.47 -1.60	9.62 0.34 -1.69	9.78 0.30 -1.75	9.31 0.32 -1.91	9.62 0.33 -1.99	9.66 0.35 -2.35	12.98 0.63 -3.31	16.37 0.84 -3.30	20.91 1.25 -2.78	27.06 1.85 -1.54	23.07 1.47 -1.20	21.46 1.30 -0.40	13.81 0.81 -1.50
ALTAMONT_115KV_TB 2 55880	24.75 0.28 -17.08	21.05 0.23 -14.59	19.92 0.19 -14.63	19.45 0.19 -14.16	19.54 0.22 -13.36	21.96 0.28 -14.19	30.60 0.47 -20.17	35.06 0.42 -25.17	27.46 0.45 -16.15	21.86 0.48 -9.69	20.62 0.45 -9.34	20.37 0.34 -11.84	20.42 0.31 -12.52	20.98 0.32 -12.93	21.45 0.29 -14.08	22.34 0.32 -14.72	24.71 0.30 -17.46	33.77 0.39 -24.34	36.17 0.46 -23.48	37.51 0.64 -19.98	35.63 0.90 -11.05	29.85 0.80 -8.66	23.36 0.75 -2.85	22.77 0.41 -10.84
ALTONA_WT_PWR 323606	7.26 -0.13 0.00	6.11 -0.12 0.00	4.99 -0.11 0.00	5.02 -0.09 0.00	5.87 -0.09 0.00	7.39 -0.10 0.00	9.79 -0.17 0.00	9.30 -0.17 0.00	10.61 -0.25 0.00	11.48 -0.22 0.00	10.45 -0.38 0.00	5.02 -0.38 2.78	4.17 -0.39 3.03	3.38 -0.43 3.91	3.02 -0.38 3.68	3.03 -0.45 3.82	6.49 -0.46 0.00	8.58 -0.46 0.00	11.78 -0.45 0.00	16.53 -0.36 0.00	23.28 -0.40 0.00	20.17 -0.22 0.00	19.58 -0.18 0.00	11.42 -0.09 0.00
AMERICAN_REF_FUEL 24010	9.57 -0.15 -2.32	8.03 -0.19 -1.98	6.96 -0.13 -1.99	6.90 -0.12 -1.93	7.61 -0.17 -1.82	9.22 -0.20 -1.93	12.27 -0.36 -2.67	12.31 -0.49 -3.33	12.39 -0.61 -2.14	12.33 -0.65 -1.28	11.64 -0.43 -1.24	9.46 -0.29 -1.58	9.04 -0.21 -1.67	9.22 -0.23 -1.72	8.76 -0.20 -1.87	9.04 -0.22 -1.96	9.03 -0.23 -2.31	12.05 -0.24 -3.25	15.06 -0.42 -3.24	18.77 -0.84 -2.73	23.82 -1.37 -1.51	20.35 -1.22 -1.18	19.02 -1.13 -0.39	12.58 -0.40 -1.47
ARKWRIGHT___SUMMIT_WT_PWR 323751	10.00 0.04 -2.57	8.38 -0.06 -2.20	7.27 -0.04 -2.20	7.22 -0.02 -2.13	7.97 -0.01 -2.01	9.64 0.02 -2.14	12.91 -0.01 -2.96	13.07 -0.09 -3.69	13.05 -0.18 -2.37	12.91 -0.21 -1.42	12.19 -0.01 -1.38	9.97 0.05 -1.74	9.53 0.10 -1.84	9.71 0.08 -1.90	9.24 0.08 -2.07	9.54 0.07 -2.17	9.57 0.06 -2.56	12.86 0.22 -3.60	16.08 0.26 -3.59	20.08 0.17 -3.02	25.40 0.05 -1.67	21.66 -0.04 -1.31	20.13 -0.06 -0.43	13.34 0.20 -1.63
ARTHUR_KILL_GT_1 23520	22.05 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.65 0.40 -11.76	26.86 0.63 -16.27	30.35 0.58 -20.30	24.67 0.79 -13.02	20.42 0.91 -7.81	19.21 0.86 -7.53	18.37 0.65 -9.55	18.30 0.62 -10.09	18.91 0.64 -10.54	20.89 0.57 -13.23	19.97 0.61 -12.05	21.63 0.58 -14.09	29.93 0.78 -20.11	33.35 1.01 -20.10	34.70 1.27 -16.55	34.53 1.71 -9.15	28.88 1.31 -7.18	23.44 1.32 -2.36	21.30 0.81 -8.99
ARTHUR_KILL_2 23512	22.02 0.48 -14.15	18.70 0.37 -12.09	17.54 0.32 -12.12	17.14 0.31 -11.73	17.40 0.36 -11.07	19.64 0.39 -11.76	26.83 0.60 -16.27	30.33 0.56 -20.30	24.65 0.77 -13.02	20.39 0.89 -7.81	19.19 0.83 -7.53	18.35 0.62 -9.55	18.28 0.61 -10.09	18.89 0.63 -10.54	20.87 0.55 -13.23	19.94 0.59 -12.05	21.61 0.57 -14.09	29.90 0.75 -20.11	33.31 0.98 -20.10	34.65 1.22 -16.55	34.46 1.63 -9.15	28.82 1.24 -7.18	23.40 1.28 -2.36	21.26 0.77 -8.99
ARTHUR_KILL_3 23513	22.00 0.46 -14.15	18.70 0.37 -12.09	17.54 0.32 -12.12	17.14 0.31 -11.73	17.40 0.36 -11.07	19.68 0.43 -11.76	26.88 0.65 -16.27	30.41 0.63 -20.30	24.78 0.89 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.71 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	20.96 0.63 -13.24	20.03 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.37 1.03 -20.11	34.71 1.27 -16.56	34.61 1.78 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
ARTHUR_KILL_COGEN 323718	22.05 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.65 0.40 -11.76	26.86 0.63 -16.27	30.35 0.58 -20.30	24.67 0.79 -13.02	20.42 0.91 -7.81	19.21 0.86 -7.53	18.37 0.65 -9.55	18.30 0.62 -10.09	18.91 0.64 -10.54	20.89 0.57 -13.23	19.97 0.61 -12.05	21.63 0.58 -14.09	29.93 0.78 -20.11	33.35 1.01 -20.10	34.70 1.27 -16.55	34.53 1.71 -9.15	28.88 1.31 -7.18	23.44 1.32 -2.36	21.30 0.81 -8.99
ASHOKAN____ 23654	22.77 0.08 -15.30	19.40 0.10 -13.06	18.28 0.08 -13.10	17.86 0.08 -12.68	18.02 0.10 -11.96	20.39 0.19 -12.71	27.67 0.12 -17.59	31.52 0.11 -21.93	25.25 0.30 -14.08	20.38 0.23 -8.45	19.08 0.11 -8.14	18.57 0.07 -10.32	18.56 0.07 -10.91	19.06 0.07 -11.26	19.40 0.04 -12.27	20.19 0.06 -12.83	22.24 0.08 -15.22	30.56 0.14 -21.38	33.72 0.27 -21.22	35.28 0.51 -17.89	34.16 0.59 -9.89	28.72 0.57 -7.76	22.82 0.51 -2.55	21.39 0.17 -9.71

ASTORIA_EAST_ENERGY_CC1 323581	22.00	18.70	17.54	17.17	17.41	19.64	26.82	30.38	24.72	20.46	19.28	18.42	18.35	18.97	20.94	20.02	21.67	29.92	33.34	34.70	34.53	28.83	23.39	21.28
	0.46	0.38	0.32	0.33	0.38	0.40	0.60	0.61	0.84	0.96	0.92	0.69	0.67	0.70	0.62	0.66	0.63	0.78	1.00	1.27	1.71	1.26	1.28	0.78
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_EAST_ENERGY_CC2 323582	22.00	18.70	17.54	17.16	17.41	19.64	26.82	30.38	24.72	20.46	19.28	18.42	18.35	18.97	20.94	20.02	21.67	29.92	33.34	34.70	34.53	28.83	23.39	21.28
	0.46	0.38	0.32	0.33	0.38	0.40	0.60	0.61	0.84	0.96	0.92	0.69	0.67	0.70	0.62	0.66	0.63	0.78	1.00	1.27	1.71	1.26	1.28	0.78
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT2_1 24094	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT2_2 24095	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT2_3 24096	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT2_4 24097	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT3_1 24098	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT3_2 24099	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT3_3 24100	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT3_4 24101	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT4_1 24102	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT4_2 24103	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT4_3 24104	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT4_4 24105	22.01	18.70	17.54	17.17	17.42	19.64	26.83	30.38	24.72	20.48	19.28	18.42	18.36	18.97	20.95	20.02	21.67	29.93	33.35	34.72	34.53	28.85	23.39	21.29
	0.47	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.97	0.92	0.69	0.68	0.70	0.63	0.66	0.63	0.79	1.01	1.28	1.71	1.29	1.28	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
ASTORIA_GT_1 23523	22.02	18.72	17.55	17.17	17.42	19.65	26.84	30.39	24.74	20.50	19.30	18.44	18.37	18.99	20.96	20.03	21.68	29.95	33.37	34.75	34.58	28.87	23.43	21.30
	0.47	0.39	0.33	0.34	0.39	0.41	0.62	0.63	0.86	0.99	0.94	0.71	0.69	0.72	0.64	0.68	0.64	0.80	1.04	1.32	1.75	1.31	1.32	0.81
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.54	-13.23	-12.05	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99

ASTORIA_GT_10 24110	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.61 1.78 -9.15	28.90 1.32 -7.18	23.46 1.34 -2.36	21.29 0.79 -8.99
ASTORIA_GT_11 24225	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.61 1.78 -9.15	28.90 1.32 -7.18	23.46 1.34 -2.36	21.29 0.79 -8.99
ASTORIA_GT_12 24226	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.61 1.78 -9.15	28.90 1.32 -7.18	23.46 1.34 -2.36	21.29 0.79 -8.99
ASTORIA_GT_13 24227	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.61 1.78 -9.15	28.90 1.32 -7.18	23.46 1.34 -2.36	21.29 0.79 -8.99
ASTORIA_GT_5 24106	22.02 0.47 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.17 0.34 -11.73	17.42 0.39 -11.07	19.65 0.41 -11.75	26.84 0.62 -16.26	30.39 0.63 -20.30	24.74 0.86 -13.02	20.50 0.99 -7.81	19.30 0.94 -7.53	18.44 0.71 -9.55	18.37 0.69 -10.09	18.99 0.72 -10.54	20.96 0.64 -13.23	20.03 0.68 -12.05	21.68 0.64 -14.09	29.95 0.80 -20.10	33.37 1.04 -20.10	34.75 1.32 -16.55	34.58 1.75 -9.15	28.87 1.31 -7.17	23.43 1.32 -2.35	21.30 0.81 -8.99
ASTORIA_GT_7 24107	22.02 0.47 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.17 0.34 -11.73	17.42 0.39 -11.07	19.65 0.41 -11.75	26.84 0.62 -16.26	30.39 0.63 -20.30	24.74 0.86 -13.02	20.50 0.99 -7.81	19.30 0.94 -7.53	18.44 0.71 -9.55	18.37 0.69 -10.09	18.99 0.72 -10.54	20.96 0.64 -13.23	20.03 0.68 -12.05	21.68 0.64 -14.09	29.95 0.80 -20.10	33.37 1.04 -20.10	34.75 1.32 -16.55	34.58 1.75 -9.15	28.87 1.31 -7.17	23.43 1.32 -2.35	21.30 0.81 -8.99
ASTORIA_GT_8 24108	22.02 0.47 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.17 0.34 -11.73	17.42 0.39 -11.07	19.65 0.41 -11.75	26.84 0.62 -16.26	30.39 0.63 -20.30	24.74 0.86 -13.02	20.50 0.99 -7.81	19.30 0.94 -7.53	18.44 0.71 -9.55	18.37 0.69 -10.09	18.99 0.72 -10.54	20.96 0.64 -13.23	20.03 0.68 -12.05	21.68 0.64 -14.09	29.95 0.80 -20.10	33.37 1.04 -20.10	34.75 1.32 -16.55	34.58 1.75 -9.15	28.87 1.31 -7.17	23.43 1.32 -2.35	21.30 0.81 -8.99
ASTORIA___2 24149	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.17 0.33 -11.73	17.42 0.38 -11.07	19.64 0.40 -11.75	26.83 0.61 -16.26	30.38 0.61 -20.30	24.72 0.84 -13.02	20.48 0.97 -7.81	19.28 0.92 -7.53	18.42 0.69 -9.55	18.36 0.68 -10.09	18.97 0.70 -10.54	20.95 0.63 -13.23	20.02 0.66 -12.05	21.67 0.63 -14.09	29.93 0.79 -20.10	33.35 1.01 -20.10	34.72 1.28 -16.55	34.53 1.71 -9.15	28.85 1.29 -7.17	23.39 1.28 -2.35	21.29 0.79 -8.99
ASTORIA___3 23516	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.61 1.78 -9.15	28.90 1.32 -7.18	23.46 1.34 -2.36	21.29 0.79 -8.99
ASTORIA___4 23517	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.28 0.92 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.94 0.80 -20.11	33.37 1.03 -20.11	34.74 1.30 -16.56	34.63 1.80 -9.15	28.92 1.35 -7.18	23.48 1.36 -2.36	21.29 0.79 -8.99
ASTORIA___5 23518	22.01 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.61 1.78 -9.15	28.90 1.32 -7.18	23.46 1.34 -2.36	21.29 0.79 -8.99
AST_ENERGY_2_CC3 323677	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.70 0.45 -11.76	26.89 0.66 -16.27	30.42 0.64 -20.30	24.76 0.87 -13.03	20.52 1.01 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.36 0.67 -10.10	18.97 0.70 -10.55	20.95 0.62 -13.24	20.02 0.66 -12.06	21.68 0.63 -14.10	29.94 0.79 -20.11	33.37 1.03 -20.11	34.74 1.30 -16.56	34.61 1.78 -9.15	28.96 1.39 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
AST_ENERGY_2_CC4 323678	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.70 0.45 -11.76	26.89 0.66 -16.27	30.42 0.64 -20.30	24.76 0.87 -13.03	20.52 1.01 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.36 0.67 -10.10	18.97 0.70 -10.55	20.95 0.62 -13.24	20.02 0.66 -12.06	21.68 0.63 -14.10	29.94 0.79 -20.11	33.37 1.03 -20.11	34.74 1.30 -16.56	34.61 1.78 -9.15	28.96 1.39 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
ATHENS_STG_1 23668	23.21 0.28 -15.54	19.74 0.24 -13.27	18.60 0.19 -13.31	18.18 0.19 -12.88	18.34 0.23 -12.15	20.68 0.28 -12.91	28.20 0.38 -17.86	32.12 0.36 -22.29	25.62 0.46 -14.30	20.77 0.49 -8.58	19.57 0.47 -8.27	19.03 0.36 -10.49	19.02 0.34 -11.09	19.52 0.35 -11.45	19.86 0.31 -12.47	20.66 0.32 -13.04	22.73 0.31 -15.46	31.24 0.39 -21.81	34.44 0.51 -21.69	35.74 0.68 -18.18	34.65 0.92 -10.05	29.07 0.79 -7.88	23.14 0.79 -2.59	21.83 0.46 -9.87
ATHENS_STG_2 23670	23.21 0.28 -15.54	19.74 0.24 -13.27	18.60 0.19 -13.31	18.18 0.19 -12.88	18.34 0.23 -12.15	20.68 0.28 -12.91	28.20 0.38 -17.86	32.12 0.36 -22.29	25.62 0.46 -14.30	20.77 0.49 -8.58	19.57 0.47 -8.27	19.03 0.36 -10.49	19.02 0.34 -11.09	19.52 0.35 -11.45	19.86 0.31 -12.47	20.66 0.32 -13.04	22.73 0.31 -15.46	31.24 0.39 -21.81	34.44 0.51 -21.69	35.74 0.68 -18.18	34.65 0.92 -10.05	29.07 0.79 -7.88	23.14 0.79 -2.59	21.83 0.46 -9.87

ATHENS_STG_3 23677	23.21 0.28 -15.54	19.74 0.24 -13.27	18.60 0.19 -13.31	18.18 0.19 -12.88	18.34 0.23 -12.15	20.68 0.28 -12.91	28.20 0.38 -17.86	32.12 0.36 -22.29	25.62 0.46 -14.30	20.77 0.49 -8.58	19.57 0.47 -8.27	19.03 0.36 -10.49	19.02 0.34 -11.09	19.52 0.35 -11.45	19.86 0.31 -12.47	20.66 0.32 -13.04	22.73 0.31 -15.46	31.24 0.39 -21.81	34.44 0.51 -21.69	35.74 0.68 -18.18	34.65 0.92 -10.05	29.07 0.79 -7.88	23.14 0.79 -2.59	21.83 0.46 -9.87
AUBURN____LFGE 323710	9.43 0.08 -1.95	7.96 0.06 -1.67	6.82 0.04 -1.67	6.77 0.05 -1.62	7.56 0.07 -1.53	9.21 0.10 -1.62	12.40 0.19 -2.25	12.45 0.17 -2.80	12.81 0.14 -1.81	12.90 0.12 -1.08	12.02 0.14 -1.05	9.63 0.13 -1.33	9.10 0.12 -1.40	9.28 0.12 -1.44	8.82 0.16 -1.57	9.06 0.12 -1.64	9.03 0.14 -1.94	12.00 0.23 -2.73	15.10 0.16 -2.71	19.39 0.22 -2.28	25.27 0.33 -1.26	21.63 0.24 -0.99	20.28 0.20 -0.33	12.88 0.14 -1.24
BABYLON_RES_REC 323704	28.45 0.67 -20.39	20.64 0.54 -13.86	21.53 0.45 -15.98	19.47 0.45 -13.92	20.14 0.53 -13.65	27.03 0.65 -18.89	30.21 0.93 -19.32	30.63 0.85 -20.31	29.35 1.11 -17.38	24.45 1.21 -11.54	25.58 1.07 -13.68	24.72 0.80 -15.74	24.90 0.77 -16.54	25.14 0.79 -16.62	25.38 0.75 -17.55	25.32 0.75 -17.27	26.84 0.72 -19.17	30.87 1.00 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	39.89 2.25 -13.96	29.37 1.80 -7.18	28.01 1.90 -6.36	25.67 1.08 -13.08
BABYLON__69_KV_BK2 356345	28.51 0.73 -20.39	20.70 0.60 -13.86	21.58 0.51 -15.98	19.52 0.49 -13.92	20.20 0.58 -13.65	27.09 0.72 -18.89	30.31 1.03 -19.32	30.72 0.94 -20.31	29.46 1.22 -17.38	24.55 1.31 -11.54	25.67 1.16 -13.68	24.79 0.88 -15.74	24.96 0.83 -16.54	25.20 0.85 -16.62	25.44 0.81 -17.55	25.39 0.81 -17.27	26.91 0.79 -19.17	30.95 1.08 -20.82	35.46 1.39 -21.83	38.00 1.86 -19.26	40.25 2.60 -13.97	29.57 2.00 -7.18	28.21 2.09 -6.36	25.79 1.20 -13.08
BARON_WINDS____WT_PWR 323822	10.73 0.07 -3.27	9.05 0.03 -2.79	7.92 0.03 -2.80	7.84 0.03 -2.71	8.55 0.04 -2.55	10.25 0.05 -2.71	13.79 0.07 -3.75	14.14 -0.02 -4.69	13.80 -0.06 -3.01	13.40 -0.11 -1.80	12.58 0.01 -1.74	10.42 0.03 -2.21	9.98 0.06 -2.34	10.19 0.05 -2.41	9.77 0.06 -2.63	10.11 0.07 -2.75	10.28 0.08 -3.25	13.73 0.12 -4.57	16.87 0.10 -4.54	20.71 0.00 -3.83	25.70 -0.09 -2.12	21.93 -0.12 -1.66	20.16 -0.14 -0.55	13.65 0.07 -2.07
BARRETT_IC_1 23704	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_10 23701	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_11 23702	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_12 23703	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_2 23705	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_3 23706	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_4 23707	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_5 23708	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_6 23709	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_7 23710	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08

BARRETT_IC_8 23711	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT_IC_9 23700	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT___1 23545	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BARRETT___2 23546	28.36 0.58 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.96 0.58 -18.89	30.04 0.76 -19.32	30.49 0.71 -20.31	29.20 0.96 -17.38	24.35 1.11 -11.54	25.46 0.95 -13.68	24.65 0.73 -15.74	24.82 0.70 -16.54	25.07 0.72 -16.62	25.26 0.63 -17.55	25.24 0.66 -17.27	26.74 0.62 -19.17	30.66 0.80 -20.81	35.11 1.05 -21.82	37.50 1.37 -19.25	39.45 1.82 -13.95	29.01 1.45 -7.17	27.65 1.54 -6.35	25.50 0.91 -13.08
BATAVIA___115KV_TB1 55881	9.67 0.01 -2.27	8.12 -0.06 -1.94	7.01 -0.03 -1.94	6.96 -0.02 -1.88	7.70 -0.04 -1.77	9.36 -0.01 -1.88	12.47 -0.10 -2.61	12.50 -0.23 -3.25	12.64 -0.31 -2.10	12.58 -0.37 -1.26	11.89 -0.15 -1.21	9.61 -0.11 -1.54	9.16 -0.05 -1.62	9.35 -0.05 -1.68	8.87 -0.04 -1.83	9.16 -0.05 -1.91	9.20 -0.01 -2.26	12.21 -0.03 -3.20	15.33 -0.07 -3.17	19.24 -0.32 -2.68	24.38 -0.78 -1.48	20.92 -0.63 -1.16	19.54 -0.59 -0.38	12.85 -0.12 -1.45
BAYONEEC___CTG1 323682	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG10 323750	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG2 323683	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG3 323684	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG4 323685	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG5 323686	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG6 323687	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG7 323688	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG8 323689	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99
BAYONEEC___CTG9 323749	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	20.96 0.64 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.32 0.83 -8.99

BEACON___LESR 323632	24.88 0.44 -17.05	21.15 0.36 -14.56	19.99 0.29 -14.60	19.52 0.29 -14.13	19.64 0.34 -13.33	22.08 0.43 -14.17	30.13 0.57 -19.60	34.45 0.53 -24.45	27.16 0.61 -15.69	21.73 0.62 -9.41	20.49 0.58 -9.07	20.12 0.44 -11.51	20.14 0.39 -12.16	20.69 0.40 -12.56	21.12 0.36 -13.68	22.00 0.39 -14.30	24.29 0.38 -16.96	33.09 0.49 -23.56	36.14 0.65 -23.26	37.75 0.93 -19.94	36.03 1.33 -11.02	30.26 1.22 -8.65	23.70 1.11 -2.84	22.92 0.59 -10.82
BEAVER RIVER___HYD 24048	8.00 -0.03 -0.64	6.79 0.01 -0.55	5.64 -0.01 -0.55	5.63 -0.01 -0.53	6.43 -0.03 -0.50	7.96 -0.06 -0.53	10.69 -0.01 -0.74	10.35 -0.06 -0.93	11.36 -0.09 -0.59	11.94 -0.12 -0.35	11.05 -0.16 -0.38	11.31 -0.16 -3.30	10.98 -0.19 -3.58	12.04 -0.18 -4.49	11.26 -0.13 -4.31	11.63 -0.15 -4.48	7.41 -0.19 -0.65	9.74 -0.21 -0.91	13.08 -0.15 -0.99	17.67 -0.05 -0.84	24.21 0.07 -0.46	20.80 0.04 -0.36	19.95 0.08 -0.12	11.97 0.06 -0.41
BEEBEE_GT_13 23619	9.31 0.04 -1.87	7.82 -0.01 -1.60	6.69 -0.01 -1.60	6.65 0.00 -1.55	7.43 0.00 -1.46	9.08 0.04 -1.55	12.14 0.03 -2.15	12.13 -0.03 -2.68	12.52 -0.08 -1.73	12.62 -0.12 -1.04	11.84 0.01 -1.00	9.47 0.02 -1.27	8.96 0.04 -1.34	9.15 0.04 -1.39	8.65 0.06 -1.51	8.93 0.04 -1.58	8.89 0.07 -1.87	11.78 0.10 -2.64	14.91 0.06 -2.62	19.07 -0.02 -2.20	24.69 -0.21 -1.22	21.17 -0.18 -0.96	19.89 -0.18 -0.31	12.72 0.01 -1.20
BENSHRST_27_KV_BENSHRST_1 355998	22.07 0.52 -14.15	18.73 0.41 -12.09	17.57 0.35 -12.12	17.17 0.34 -11.73	17.43 0.40 -11.07	19.70 0.45 -11.76	26.93 0.70 -16.27	30.47 0.69 -20.30	24.81 0.92 -13.03	20.57 1.05 -7.81	19.35 0.99 -7.54	18.48 0.74 -9.55	18.41 0.72 -10.10	19.02 0.74 -10.55	21.04 0.66 -13.30	20.07 0.70 -12.06	21.72 0.67 -14.10	30.03 0.88 -20.11	33.49 1.15 -20.11	34.89 1.45 -16.56	34.85 2.01 -9.15	29.06 1.49 -7.18	23.60 1.48 -2.36	21.36 0.86 -8.99
BETHLEHEM___GRP 23843	24.79 0.33 -17.07	21.08 0.27 -14.57	19.94 0.22 -14.61	19.47 0.22 -14.15	19.57 0.26 -13.35	22.00 0.33 -14.18	30.00 0.43 -19.61	34.35 0.40 -24.47	27.03 0.47 -15.71	21.60 0.48 -9.42	20.38 0.47 -9.08	20.05 0.35 -11.52	20.08 0.32 -12.18	20.62 0.32 -12.57	21.07 0.30 -13.69	21.93 0.31 -14.31	24.23 0.31 -16.98	33.02 0.39 -23.59	36.06 0.53 -23.31	37.58 0.73 -19.97	35.76 1.04 -11.04	29.97 0.92 -8.66	23.47 0.87 -2.85	22.80 0.46 -10.83
BETHLEHEM___GS1 323560	24.79 0.33 -17.07	21.08 0.27 -14.57	19.94 0.22 -14.61	19.47 0.22 -14.15	19.57 0.26 -13.35	22.00 0.33 -14.18	30.01 0.43 -19.62	34.35 0.40 -24.47	27.04 0.47 -15.71	21.60 0.48 -9.42	20.37 0.45 -9.08	20.05 0.35 -11.52	20.08 0.32 -12.18	20.62 0.32 -12.57	21.07 0.30 -13.69	21.93 0.31 -14.31	24.23 0.30 -16.98	33.02 0.39 -23.59	36.06 0.53 -23.30	37.57 0.73 -19.96	35.73 1.02 -11.03	29.97 0.92 -8.65	23.45 0.85 -2.85	22.80 0.46 -10.84
BETHLEHEM___GS2 323561	24.79 0.33 -17.07	21.08 0.27 -14.57	19.94 0.22 -14.61	19.47 0.22 -14.15	19.57 0.26 -13.35	22.00 0.33 -14.18	30.01 0.43 -19.62	34.35 0.40 -24.47	27.04 0.47 -15.71	21.60 0.48 -9.42	20.37 0.45 -9.08	20.05 0.35 -11.52	20.08 0.32 -12.18	20.62 0.32 -12.57	21.07 0.30 -13.69	21.93 0.31 -14.31	24.23 0.30 -16.98	33.02 0.39 -23.59	36.06 0.53 -23.30	37.57 0.73 -19.96	35.73 1.02 -11.03	29.97 0.92 -8.65	23.45 0.85 -2.85	22.80 0.46 -10.84
BETHLEHEM___GS3 323562	24.79 0.33 -17.07	21.08 0.27 -14.57	19.94 0.22 -14.61	19.47 0.22 -14.15	19.57 0.26 -13.35	22.00 0.33 -14.18	30.01 0.43 -19.62	34.35 0.40 -24.47	27.04 0.47 -15.71	21.60 0.48 -9.42	20.37 0.45 -9.08	20.05 0.35 -11.52	20.08 0.32 -12.18	20.62 0.32 -12.57	21.07 0.30 -13.69	21.93 0.31 -14.31	24.23 0.30 -16.98	33.02 0.39 -23.59	36.06 0.53 -23.30	37.57 0.73 -19.96	35.73 1.02 -11.03	29.97 0.92 -8.65	23.45 0.85 -2.85	22.80 0.46 -10.84
BETHLEHEM___STEEL 23779	9.89 0.01 -2.49	8.31 -0.06 -2.13	7.20 -0.04 -2.13	7.14 -0.03 -2.06	7.88 -0.04 -1.95	9.53 -0.03 -2.07	12.73 -0.09 -2.86	12.86 -0.19 -3.57	12.89 -0.27 -2.30	12.76 -0.32 -1.38	12.05 -0.11 -1.33	9.82 -0.05 -1.69	9.37 0.01 -1.78	9.56 -0.01 -1.84	9.10 0.01 -2.00	9.39 -0.01 -2.10	9.46 0.03 -2.48	12.60 0.04 -3.52	15.74 0.01 -3.49	19.61 -0.22 -2.95	24.65 -0.66 -1.63	21.12 -0.55 -1.28	19.66 -0.51 -0.42	13.04 -0.07 -1.60
BETHLHEM_115KV_TB1 79974	24.68 0.29 -17.00	20.99 0.24 -14.52	19.86 0.19 -14.56	19.39 0.19 -14.09	19.49 0.23 -13.30	21.90 0.28 -14.13	29.85 0.37 -19.52	34.17 0.34 -24.36	26.90 0.41 -15.63	21.51 0.43 -9.37	20.28 0.41 -9.04	19.95 0.31 -11.46	20.00 0.30 -12.12	20.53 0.29 -12.51	20.98 0.27 -13.62	21.83 0.28 -14.25	24.13 0.28 -16.90	32.98 0.35 -23.59	36.09 0.48 -23.38	37.43 0.66 -19.89	35.60 0.92 -11.00	29.81 0.80 -8.63	23.36 0.77 -2.84	22.73 0.43 -10.79
BETHPAGE_CC_5 323564	28.43 0.65 -20.39	20.63 0.54 -13.86	21.52 0.44 -15.98	19.46 0.44 -13.92	20.13 0.52 -13.65	27.01 0.64 -18.89	30.17 0.89 -19.32	30.60 0.82 -20.31	29.32 1.08 -17.38	24.43 1.19 -11.54	25.58 1.07 -13.68	24.72 0.80 -15.74	24.90 0.77 -16.54	25.14 0.79 -16.62	25.37 0.74 -17.55	25.32 0.75 -17.27	26.84 0.72 -19.17	30.81 0.95 -20.82	35.31 1.25 -21.83	37.78 1.64 -19.26	39.79 2.15 -13.96	29.29 1.71 -7.18	27.91 1.80 -6.36	25.64 1.05 -13.08
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	9.90 -0.01 -2.52	8.32 -0.07 -2.15	7.21 -0.05 -2.16	7.15 -0.04 -2.09	7.89 -0.05 -1.97	9.53 -0.04 -2.09	12.76 -0.10 -2.90	12.89 -0.20 -3.61	12.90 -0.28 -2.33	12.77 -0.33 -1.40	12.05 -0.13 -1.35	9.82 -0.07 -1.71	9.38 -0.01 -1.80	9.57 -0.02 -1.86	9.10 -0.01 -2.03	9.40 -0.02 -2.12	9.48 0.02 -2.51	12.62 0.02 -3.56	15.75 -0.01 -3.53	19.63 -0.24 -2.98	24.64 -0.69 -1.65	21.11 -0.57 -1.29	19.65 -0.53 -0.42	13.04 -0.08 -1.62
BINGHAMTON___COGEN 23790	11.99 0.15 -4.45	10.15 0.11 -3.80	9.01 0.09 -3.81	8.89 0.10 -3.69	9.56 0.12 -3.48	11.34 0.15 -3.70	15.31 0.23 -5.12	16.05 0.19 -6.39	15.15 0.18 -4.10	14.32 0.16 -2.46	13.40 0.19 -2.37	11.35 0.16 -3.01	10.93 0.17 -3.18	11.17 0.16 -3.28	10.81 0.15 -3.58	11.20 0.16 -3.74	11.56 0.18 -4.43	15.47 0.21 -6.22	18.65 0.24 -6.17	22.39 0.30 -5.20	26.91 0.36 -2.88	22.93 0.29 -2.26	20.75 0.26 -0.74	14.54 0.21 -2.82
BIXINCNT_115KV_LOAD 355685	10.05 0.01 -2.65	8.45 -0.05 -2.26	7.33 -0.04 -2.27	7.26 -0.03 -2.19	8.00 -0.03 -2.07	9.67 -0.01 -2.20	12.95 -0.05 -3.04	13.14 -0.13 -3.79	13.09 -0.22 -2.44	12.91 -0.26 -1.47	12.17 -0.08 -1.41	9.95 -0.02 -1.79	9.50 0.02 -1.89	9.69 0.01 -1.95	9.21 0.00 -2.13	9.52 -0.01 -2.23	9.63 0.04 -2.64	12.81 0.05 -3.72	15.99 0.06 -3.70	19.90 -0.10 -3.12	24.93 -0.47 -1.72	21.38 -0.37 -1.35	19.82 -0.38 -0.44	13.20 0.00 -1.69
BLACK RIVER___HYD 24047	8.28 0.01 -0.88	7.03 0.04 -0.75	5.89 0.03 -0.75	5.86 0.03 -0.73	6.68 0.02 -0.69	8.23 0.01 -0.73	11.07 0.10 -1.01	10.81 0.07 -1.27	11.68 0.01 -0.81	12.14 -0.05 -0.49	11.25 -0.08 -0.50	10.69 -0.09 -2.60	10.28 -0.12 -2.82	11.08 -0.11 -3.47	10.38 -0.07 -3.36	10.69 -0.11 -3.50	7.73 -0.10 -0.88	10.16 -0.12 -1.24	13.49 -0.04 -1.29	18.11 0.13 -1.09	24.61 0.33 -0.60	21.09 0.22 -0.47	20.09 0.18 -0.16	12.21 0.14 -0.56

BLACKRVR_115KV_TB2 79977	8.28 0.01 -0.88	7.03 0.04 -0.75	5.89 0.03 -0.75	5.86 0.03 -0.73	6.68 0.02 -0.69	8.23 0.01 -0.73	11.07 0.10 -1.01	10.81 0.07 -1.27	11.73 0.01 -0.86	12.17 -0.05 -0.51	11.25 -0.08 -0.50	10.69 -0.09 -2.60	10.28 -0.12 -2.82	11.09 -0.11 -3.47	10.38 -0.07 -3.36	10.69 -0.11 -3.50	7.68 -0.15 -0.88	10.16 -0.12 -1.24	13.45 0.00 -1.22	18.10 0.19 -1.03	24.56 0.31 -0.57	21.06 0.22 -0.45	20.08 0.18 -0.15	12.20 0.14 -0.56
BLISS_WT_PWR 323608	10.04 0.01 -2.65	8.43 -0.06 -2.26	7.32 -0.05 -2.27	7.25 -0.04 -2.19	8.00 -0.04 -2.07	9.66 -0.02 -2.20	12.93 -0.07 -3.04	13.13 -0.14 -3.79	13.07 -0.23 -2.43	12.89 -0.27 -1.46	12.14 -0.10 -1.41	9.94 -0.03 -1.79	9.50 0.02 -1.89	9.68 0.00 -1.96	9.22 0.01 -2.13	9.52 -0.01 -2.23	9.57 -0.01 -2.63	12.79 0.05 -3.70	15.95 0.04 -3.68	19.85 -0.14 -3.10	25.02 -0.38 -1.72	21.37 -0.37 -1.35	19.84 -0.36 -0.44	13.19 0.00 -1.68
BLUE_CIRC_CHEM_DRP 24182	24.49 0.33 -16.78	20.83 0.27 -14.33	19.69 0.22 -14.37	19.23 0.22 -13.91	19.34 0.26 -13.12	21.75 0.32 -13.94	29.65 0.42 -19.27	33.90 0.38 -24.04	26.72 0.43 -15.43	21.40 0.44 -9.25	20.17 0.42 -8.92	19.81 0.32 -11.31	19.83 0.29 -11.96	20.37 0.29 -12.35	20.80 0.27 -13.45	21.65 0.28 -14.06	23.91 0.28 -16.68	32.68 0.36 -23.27	35.78 0.49 -23.06	37.20 0.69 -19.63	35.52 0.99 -10.85	29.80 0.90 -8.51	23.40 0.85 -2.80	22.63 0.47 -10.65
BOC_GAS_DRP 24189	24.66 0.27 -17.00	20.98 0.22 -14.52	19.85 0.18 -14.56	19.38 0.18 -14.09	19.48 0.21 -13.30	21.89 0.27 -14.13	29.83 0.35 -19.52	34.15 0.32 -24.36	26.88 0.39 -15.63	21.48 0.41 -9.37	20.27 0.40 -9.04	19.94 0.30 -11.46	19.98 0.28 -12.12	20.52 0.29 -12.51	20.97 0.26 -13.62	21.82 0.27 -14.25	24.11 0.26 -16.90	32.96 0.33 -23.59	36.05 0.44 -23.38	37.38 0.61 -19.89	35.53 0.85 -11.00	29.75 0.73 -8.63	23.30 0.71 -2.84	22.69 0.39 -10.79
BOONVILLE_115KV_TB1 79983	8.04 0.09 -0.56	6.81 0.09 -0.48	5.65 0.07 -0.48	5.64 0.07 -0.46	6.47 0.07 -0.44	8.03 0.07 -0.46	10.76 0.16 -0.64	10.40 0.12 -0.81	11.51 0.11 -0.54	12.09 0.07 -0.32	11.20 0.05 -0.31	9.64 0.02 -1.44	9.13 -0.01 -1.56	9.64 0.01 -1.90	8.95 0.01 -1.86	9.25 0.02 -1.93	7.51 0.00 -0.56	9.85 0.03 -0.79	13.17 0.16 -0.77	17.86 0.32 -0.65	24.52 0.47 -0.36	21.06 0.39 -0.28	20.18 0.34 -0.09	12.07 0.21 -0.35
BORALEX_4TH_BRANCH 23824	24.84 0.37 -17.08	21.13 0.31 -14.59	19.98 0.25 -14.63	19.52 0.26 -14.16	19.63 0.30 -13.36	22.08 0.40 -14.19	30.11 0.51 -19.64	34.44 0.45 -24.51	27.09 0.51 -15.72	21.61 0.48 -9.43	20.39 0.47 -9.10	20.07 0.36 -11.54	20.10 0.32 -12.20	20.63 0.32 -12.59	21.09 0.30 -13.71	21.95 0.31 -14.34	24.27 0.31 -17.01	32.76 0.43 -23.29	35.66 0.58 -22.85	37.67 0.79 -19.99	35.82 1.09 -11.05	30.08 1.02 -8.67	23.55 0.95 -2.85	22.80 0.45 -10.84
BOWLINE___1 23526	21.62 0.44 -13.79	18.38 0.36 -11.78	17.21 0.30 -11.81	16.83 0.29 -11.43	17.10 0.35 -10.79	19.38 0.43 -11.46	26.42 0.60 -15.86	29.85 0.59 -19.79	24.33 0.77 -12.70	20.17 0.85 -7.62	18.96 0.79 -7.34	18.09 0.60 -9.31	18.00 0.58 -9.85	18.48 0.59 -10.16	18.68 0.53 -11.07	19.43 0.55 -11.57	21.21 0.54 -13.73	29.32 0.69 -19.59	32.73 0.91 -19.59	34.20 1.18 -16.14	34.16 1.56 -8.92	28.66 1.26 -7.00	23.32 1.27 -2.30	20.98 0.71 -8.76
BOWLINE___2 23595	21.62 0.44 -13.80	18.38 0.36 -11.78	17.21 0.30 -11.81	16.83 0.29 -11.44	17.10 0.35 -10.79	19.38 0.43 -11.46	26.42 0.60 -15.86	29.85 0.59 -19.79	24.33 0.77 -12.70	20.17 0.85 -7.62	18.96 0.79 -7.34	18.09 0.60 -9.31	18.01 0.58 -9.85	18.48 0.59 -10.16	18.69 0.53 -11.07	19.43 0.55 -11.57	21.21 0.54 -13.73	29.32 0.69 -19.59	32.73 0.91 -19.59	34.21 1.18 -16.14	34.16 1.56 -8.92	28.66 1.26 -7.00	23.32 1.27 -2.30	20.98 0.71 -8.76
BRADY___115KV_TB2 356060	7.21 -0.18 0.00	6.11 -0.12 0.00	4.99 -0.11 0.00	4.99 -0.11 0.00	5.84 -0.13 0.00	7.32 -0.16 0.00	9.72 -0.24 0.00	9.23 -0.25 0.00	10.56 -0.30 0.00	11.48 -0.22 0.00	10.54 -0.29 0.00	4.24 -0.30 3.64	3.33 -0.29 3.97	2.32 -0.29 5.13	2.01 -0.25 4.83	2.04 -0.26 5.01	6.59 -0.35 0.00	8.63 -0.42 0.00	11.79 -0.44 0.00	16.40 -0.49 0.00	23.11 -0.57 0.00	19.94 -0.45 0.00	19.40 -0.36 0.00	11.29 -0.22 0.00
BRANSCOMB___SOLAR 323811	25.28 0.30 -17.59	21.49 0.23 -15.02	20.35 0.19 -15.06	19.87 0.19 -14.58	19.95 0.23 -13.76	22.40 0.29 -14.62	30.60 0.42 -20.23	35.10 0.36 -25.27	27.42 0.37 -16.19	21.88 0.47 -9.71	20.65 0.44 -9.38	20.40 0.34 -11.89	20.45 0.30 -12.57	21.00 0.30 -12.98	21.51 0.29 -14.13	22.38 0.30 -14.78	24.71 0.23 -17.53	33.66 0.32 -24.31	36.66 0.44 -23.98	38.17 0.68 -20.60	36.11 1.04 -11.39	30.29 0.96 -8.93	23.52 0.83 -2.94	23.09 0.41 -11.17
BRENTWOD_69_KV_W. BRTWOOD 56703	28.47 0.69 -20.39	20.66 0.56 -13.86	21.55 0.47 -15.98	19.50 0.47 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.66 0.88 -20.31	29.39 1.15 -17.38	24.49 1.25 -11.54	25.60 1.09 -13.68	24.75 0.83 -15.74	24.92 0.80 -16.54	25.15 0.80 -16.62	25.39 0.77 -17.55	25.34 0.77 -17.27	26.86 0.74 -19.17	30.88 1.01 -20.82	35.36 1.30 -21.83	37.85 1.71 -19.26	40.08 2.42 -13.99	29.41 1.84 -7.18	28.09 1.98 -6.36	25.72 1.13 -13.08
BRISTLHL_115KV_TB1 79998	8.69 -0.07 -1.36	7.34 -0.06 -1.16	6.21 -0.06 -1.17	6.18 -0.05 -1.13	6.98 -0.05 -1.07	8.56 -0.06 -1.13	11.48 -0.05 -1.57	11.37 -0.07 -1.96	12.00 -0.12 -1.26	12.30 -0.15 -0.75	11.46 -0.10 -0.73	9.32 -0.05 -1.20	8.80 -0.06 -1.27	9.06 -0.06 -1.39	8.47 -0.07 -1.46	8.77 -0.05 -1.52	8.28 -0.03 -1.36	10.88 -0.07 -1.91	13.99 -0.13 -1.89	18.31 -0.17 -1.59	24.30 -0.26 -0.88	20.84 -0.24 -0.69	19.73 -0.26 -0.23	12.25 -0.13 -0.87
BROOKHAVEN___DRP 24191	28.49 0.70 -20.39	20.67 0.57 -13.86	21.57 0.49 -15.98	19.51 0.48 -13.92	20.19 0.57 -13.65	27.08 0.70 -18.89	30.29 1.01 -19.32	30.69 0.91 -20.31	29.43 1.18 -17.38	24.53 1.29 -11.54	25.63 1.13 -13.68	24.76 0.84 -15.74	24.93 0.80 -16.54	25.17 0.82 -16.62	25.43 0.80 -17.55	25.37 0.79 -17.27	26.87 0.75 -19.17	30.91 1.05 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	40.13 2.49 -13.96	29.47 1.90 -7.18	28.15 2.03 -6.36	25.74 1.15 -13.08
BROOKLYN_NAVY_YARD 23515	22.02 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.31 -11.73	17.40 0.36 -11.07	19.69 0.44 -11.76	26.89 0.66 -16.27	30.42 0.64 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.27 0.91 -7.54	18.42 0.69 -9.55	18.34 0.66 -10.10	18.95 0.67 -10.55	20.94 0.61 -13.24	20.00 0.63 -12.06	21.66 0.61 -14.10	29.94 0.79 -20.11	33.36 1.01 -20.11	34.74 1.30 -16.56	34.61 1.78 -9.15	28.94 1.37 -7.18	23.52 1.40 -2.36	21.30 0.81 -8.99
BROOKLYN___ARMY_DRP 323595	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.81 1.37 -16.56	34.73 1.89 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99

BROOKVLE_69_KV_TB1 55790	28.40 0.61 -20.39	20.60 0.51 -13.86	21.50 0.42 -15.98	19.43 0.41 -13.92	20.10 0.48 -13.65	26.97 0.59 -18.89	30.12 0.84 -19.32	30.58 0.80 -20.31	29.29 1.04 -17.38	24.40 1.16 -11.54	25.57 1.06 -13.68	24.72 0.80 -15.74	24.90 0.77 -16.54	25.14 0.80 -16.62	25.36 0.73 -17.55	25.33 0.75 -17.27	26.84 0.72 -19.17	30.79 0.93 -20.82	35.22 1.16 -21.83	37.66 1.52 -19.26	39.77 2.13 -13.95	29.31 1.73 -7.18	27.85 1.74 -6.36	25.58 0.99 -13.08
BROOME_2_LFGE 323671	11.99 0.15 -4.45	10.15 0.11 -3.80	9.01 0.09 -3.81	8.89 0.10 -3.69	9.56 0.12 -3.48	11.34 0.15 -3.70	15.31 0.23 -5.12	16.05 0.19 -6.39	15.14 0.18 -4.10	14.32 0.16 -2.46	13.40 0.20 -2.37	11.35 0.16 -3.01	10.93 0.17 -3.18	11.17 0.16 -3.28	10.81 0.15 -3.58	11.20 0.16 -3.74	11.55 0.17 -4.43	15.47 0.21 -6.23	18.64 0.22 -6.18	22.39 0.29 -5.21	26.94 0.38 -2.88	22.94 0.29 -2.26	20.76 0.26 -0.74	14.54 0.21 -2.83
BROOME__LFGE 323600	11.99 0.15 -4.45	10.15 0.11 -3.80	9.01 0.09 -3.81	8.89 0.10 -3.69	9.56 0.12 -3.48	11.34 0.15 -3.70	15.31 0.23 -5.12	16.05 0.19 -6.39	15.14 0.18 -4.10	14.32 0.16 -2.46	13.40 0.20 -2.37	11.35 0.16 -3.01	10.93 0.17 -3.18	11.17 0.16 -3.28	10.81 0.15 -3.58	11.20 0.16 -3.74	11.55 0.17 -4.43	15.47 0.21 -6.23	18.64 0.22 -6.18	22.39 0.29 -5.21	26.94 0.38 -2.88	22.94 0.29 -2.26	20.76 0.26 -0.74	14.54 0.21 -2.83
BROWNFLS_115KV_TB_3_5 80003	7.70 -0.14 -0.45	6.54 -0.09 -0.39	5.41 -0.08 -0.39	5.40 -0.08 -0.38	6.21 -0.11 -0.35	7.72 -0.14 -0.38	10.30 -0.18 -0.52	9.93 -0.22 -0.67	10.99 -0.30 -0.43	11.71 -0.25 -0.26	10.77 -0.30 -0.25	-1.57 -0.29 9.46	-3.05 -0.30 10.33	-6.00 -0.30 13.43	-5.74 -0.24 12.59	-5.99 -0.23 13.06	7.02 -0.40 -0.47	9.26 -0.44 -0.66	12.43 -0.43 -0.63	16.98 -0.44 -0.53	23.50 -0.47 -0.29	20.26 -0.37 -0.23	19.61 -0.22 -0.08	11.67 -0.13 -0.29
BROWNSV1_27_KV_LOAD 356125	22.08 0.53 -14.15	18.75 0.43 -12.09	17.58 0.36 -12.12	17.19 0.35 -11.73	17.45 0.41 -11.07	19.75 0.50 -11.76	26.97 0.74 -16.27	30.51 0.73 -20.30	24.86 0.97 -13.03	20.61 1.10 -7.81	19.38 1.02 -7.54	18.50 0.77 -9.55	18.42 0.74 -10.10	19.03 0.76 -10.55	21.01 0.69 -13.24	20.08 0.72 -12.06	21.74 0.69 -14.10	30.03 0.89 -20.11	33.49 1.15 -20.11	34.91 1.47 -16.56	34.89 2.06 -9.15	29.14 1.57 -7.18	23.70 1.58 -2.36	21.39 0.90 -8.99
BURROWS__LYONSDAL 23803	8.02 0.06 -0.57	6.80 0.07 -0.49	5.65 0.06 -0.49	5.63 0.06 -0.48	6.45 0.04 -0.45	8.00 0.04 -0.48	10.74 0.12 -0.66	10.38 0.08 -0.83	11.48 0.05 -0.56	12.05 0.01 -0.34	11.14 -0.01 -0.33	9.95 -0.03 -1.80	9.48 -0.06 -1.96	10.09 -0.05 -2.41	9.39 -0.03 -2.34	9.70 -0.03 -2.43	7.47 -0.06 -0.58	9.83 -0.02 -0.81	13.13 0.10 -0.80	17.81 0.25 -0.67	24.45 0.40 -0.37	20.99 0.31 -0.29	20.13 0.28 -0.10	12.06 0.18 -0.36
CAITHNESS_CC_1 323624	28.46 0.68 -20.39	20.65 0.55 -13.86	21.55 0.47 -15.98	19.49 0.47 -13.92	20.17 0.55 -13.65	27.06 0.68 -18.89	30.26 0.98 -19.32	30.66 0.88 -20.31	29.39 1.15 -17.38	24.49 1.25 -11.54	25.61 1.11 -13.68	24.74 0.83 -15.74	24.91 0.79 -16.54	25.15 0.80 -16.62	25.41 0.78 -17.55	25.34 0.77 -17.27	26.84 0.72 -19.17	30.90 1.03 -20.82	35.42 1.36 -21.83	37.93 1.79 -19.26	39.94 2.30 -13.96	29.39 1.81 -7.18	28.07 1.96 -6.36	25.71 1.12 -13.08
CALPINE BETH_PAGE_GT4 24209	28.43 0.65 -20.39	20.63 0.54 -13.86	21.52 0.44 -15.98	19.46 0.44 -13.92	20.13 0.52 -13.65	27.01 0.64 -18.89	30.16 0.88 -19.32	30.60 0.81 -20.31	29.31 1.06 -17.38	24.42 1.18 -11.54	25.56 1.05 -13.68	24.72 0.80 -15.74	24.89 0.77 -16.54	25.13 0.78 -16.62	25.36 0.73 -17.55	25.32 0.74 -17.27	26.81 0.69 -19.17	30.78 0.91 -20.82	35.24 1.17 -21.83	37.68 1.54 -19.26	39.79 2.15 -13.96	29.25 1.67 -7.18	27.93 1.82 -6.36	25.63 1.04 -13.08
CALPINE_BETH_PAGE_GT_4 323586	28.43 0.65 -20.39	20.63 0.54 -13.86	21.52 0.44 -15.98	19.46 0.44 -13.92	20.13 0.52 -13.65	27.01 0.64 -18.89	30.16 0.88 -19.32	30.60 0.81 -20.31	29.31 1.06 -17.38	24.42 1.18 -11.54	25.57 1.06 -13.68	24.72 0.80 -15.74	24.89 0.77 -16.54	25.13 0.78 -16.62	25.36 0.73 -17.55	25.32 0.75 -17.27	26.83 0.71 -19.17	30.79 0.92 -20.82	35.27 1.21 -21.83	37.73 1.59 -19.26	39.72 2.08 -13.96	29.25 1.67 -7.18	27.85 1.74 -6.36	25.63 1.04 -13.08
CALPINE_BP_GT1 23823	28.43 0.65 -20.39	20.63 0.54 -13.86	21.52 0.44 -15.98	19.46 0.44 -13.92	20.13 0.52 -13.65	27.01 0.64 -18.89	30.16 0.88 -19.32	30.60 0.81 -20.31	29.31 1.06 -17.38	24.42 1.18 -11.54	25.57 1.06 -13.68	24.72 0.80 -15.74	24.89 0.77 -16.54	25.13 0.78 -16.62	25.36 0.73 -17.55	25.32 0.75 -17.27	26.83 0.71 -19.17	30.79 0.92 -20.82	35.27 1.21 -21.83	37.73 1.59 -19.26	39.72 2.08 -13.96	29.25 1.67 -7.18	27.85 1.74 -6.36	25.63 1.04 -13.08
CALSPAN__DRP 24200	9.89 0.01 -2.49	8.31 -0.06 -2.13	7.20 -0.04 -2.13	7.14 -0.03 -2.06	7.88 -0.04 -1.95	9.53 -0.03 -2.07	12.73 -0.09 -2.86	12.86 -0.19 -3.57	12.89 -0.27 -2.30	12.76 -0.32 -1.38	12.05 -0.11 -1.33	9.82 -0.05 -1.69	9.37 0.01 -1.78	9.56 -0.01 -1.84	9.10 0.01 -2.00	9.39 -0.01 -2.10	9.46 0.03 -2.48	12.60 0.04 -3.52	15.74 0.01 -3.49	19.61 -0.22 -2.95	24.65 -0.66 -1.63	21.12 -0.55 -1.28	19.66 -0.51 -0.42	13.04 -0.07 -1.60
CALVERTON__SOLAR 323806	28.51 0.73 -20.39	20.69 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.20 0.59 -13.65	27.11 0.73 -18.89	30.33 1.05 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.56 1.32 -11.54	25.68 1.17 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.77 -19.17	30.98 1.11 -20.82	35.53 1.47 -21.83	38.09 1.94 -19.26	40.13 2.49 -13.96	29.55 1.98 -7.18	28.23 2.11 -6.36	25.78 1.19 -13.08
CANDIGU_WT_PWR 323617	10.73 0.07 -3.27	9.05 0.03 -2.79	7.92 0.03 -2.80	7.84 0.03 -2.71	8.55 0.04 -2.55	10.25 0.05 -2.71	13.79 0.07 -3.75	14.14 -0.02 -4.69	13.80 -0.06 -3.01	13.40 -0.11 -1.80	12.58 0.01 -1.74	10.42 0.03 -2.21	9.98 0.06 -2.34	10.19 0.05 -2.41	9.77 0.06 -2.63	10.11 0.07 -2.75	10.28 0.08 -3.25	13.73 0.12 -4.57	16.87 0.10 -4.54	20.71 0.00 -3.83	25.70 -0.09 -2.12	21.93 -0.12 -1.66	20.16 -0.14 -0.55	13.65 0.07 -2.07
CARR STREET_E__SYR 24060	8.85 -0.01 -1.48	7.48 -0.02 -1.26	6.35 -0.02 -1.27	6.31 -0.02 -1.23	7.11 -0.01 -1.16	8.71 -0.01 -1.23	11.68 0.02 -1.70	11.60 0.00 -2.12	12.20 -0.02 -1.36	12.47 -0.05 -0.82	11.62 0.00 -0.79	9.41 0.02 -1.22	8.90 0.02 -1.29	9.15 0.02 -1.40	8.57 0.01 -1.48	8.87 0.02 -1.54	8.45 0.03 -1.47	11.13 0.02 -2.07	14.25 -0.04 -2.05	18.55 -0.07 -1.73	24.57 -0.07 -0.96	21.04 -0.10 -0.75	19.88 -0.12 -0.25	12.41 -0.03 -0.94
CARTHAGE__PAPER 23857	8.15 -0.03 -0.79	6.92 0.01 -0.67	5.77 -0.01 -0.67	5.75 0.00 -0.65	6.56 -0.02 -0.62	8.10 -0.04 -0.65	10.89 0.02 -0.91	10.60 -0.02 -1.14	11.52 -0.06 -0.72	12.03 -0.11 -0.43	11.13 -0.15 -0.45	10.90 -0.17 -2.87	10.52 -0.17 -3.11	11.43 -0.16 -3.86	10.70 -0.11 -3.73	11.03 -0.15 -3.88	7.57 -0.17 -0.79	9.97 -0.18 -1.11	13.29 -0.12 -1.18	17.88 0.00 -0.99	24.40 0.17 -0.55	20.93 0.10 -0.43	20.00 0.10 -0.14	12.08 0.07 -0.50

CASSADAGA_WT_PWR 323784	10.06 0.07 -2.59	8.42 -0.02 -2.21	7.31 -0.01 -2.22	7.25 0.01 -2.15	8.01 0.02 -2.03	9.70 0.06 -2.15	13.00 0.06 -2.98	13.16 -0.03 -3.72	13.13 -0.12 -2.38	12.99 -0.14 -1.43	12.27 0.05 -1.38	10.03 0.10 -1.76	9.58 0.14 -1.86	9.76 0.12 -1.92	9.27 0.10 -2.09	9.59 0.11 -2.18	9.62 0.10 -2.58	12.92 0.25 -3.62	16.16 0.32 -3.61	20.21 0.29 -3.04	25.60 0.24 -1.68	21.84 0.12 -1.32	20.27 0.08 -0.43	13.42 0.26 -1.64
CE_DUNWOOD___DRP 24194	21.98 0.46 -14.13	18.68 0.38 -12.07	17.51 0.31 -12.10	17.12 0.31 -11.71	17.38 0.36 -11.05	19.67 0.44 -11.74	26.84 0.64 -16.24	30.37 0.63 -20.27	24.68 0.81 -13.01	20.41 0.91 -7.80	19.19 0.83 -7.52	18.35 0.63 -9.54	18.28 0.61 -10.09	18.77 0.63 -10.41	18.99 0.57 -11.34	19.75 0.59 -11.85	21.58 0.57 -14.06	29.85 0.73 -20.07	33.26 0.95 -20.07	34.65 1.23 -16.53	34.50 1.68 -9.14	28.89 1.33 -7.17	23.46 1.34 -2.36	21.24 0.76 -8.97
CE_MILLWOOD___DRP 24193	21.93 0.45 -14.09	18.63 0.37 -12.03	17.47 0.31 -12.06	17.08 0.30 -11.68	17.33 0.35 -11.02	19.63 0.43 -11.71	26.77 0.62 -16.19	30.29 0.61 -20.21	24.61 0.78 -12.97	20.35 0.88 -7.78	19.13 0.80 -7.50	18.30 0.61 -9.51	18.23 0.59 -10.05	18.72 0.61 -10.38	18.94 0.55 -11.30	19.70 0.58 -11.82	21.52 0.56 -14.02	29.76 0.71 -20.01	33.17 0.93 -20.01	34.56 1.20 -16.48	34.42 1.63 -9.11	28.82 1.28 -7.15	23.41 1.30 -2.35	21.19 0.74 -8.94
CE_NYC2_DRP 24202	22.02 0.48 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.68 0.43 -11.76	26.89 0.66 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.30 0.93 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	28.94 1.37 -7.18	23.50 1.38 -2.36	21.30 0.81 -8.99
CE_NYC_DRP 24195	22.03 0.49 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.39 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.31 0.94 -7.54	18.45 0.72 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	20.96 0.64 -13.23	20.03 0.67 -12.06	21.70 0.65 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.79 1.35 -16.56	34.70 1.87 -9.15	29.00 1.43 -7.18	23.58 1.46 -2.36	21.32 0.83 -8.99
CHAFFEE___LFGE 323603	9.93 -0.02 -2.56	8.35 -0.08 -2.19	7.24 -0.06 -2.20	7.18 -0.05 -2.13	7.91 -0.06 -2.01	9.56 -0.06 -2.13	12.79 -0.12 -2.95	12.93 -0.22 -3.68	12.92 -0.30 -2.36	12.76 -0.35 -1.42	12.04 -0.16 -1.37	9.83 -0.08 -1.74	9.40 -0.02 -1.84	9.59 -0.04 -1.90	9.13 -0.02 -2.07	9.43 -0.04 -2.16	9.45 -0.05 -2.55	12.63 0.00 -3.58	15.73 -0.07 -3.57	19.59 -0.30 -3.01	24.73 -0.62 -1.66	21.11 -0.59 -1.31	19.61 -0.57 -0.43	13.03 -0.10 -1.63
CHATEAUG_35_KV_LOAD 355732	7.23 -0.16 0.00	6.09 -0.14 0.00	4.97 -0.13 0.00	4.99 -0.11 0.00	5.85 -0.11 0.00	7.36 -0.13 0.00	9.74 -0.22 0.00	9.26 -0.22 0.00	10.57 -0.29 0.00	11.42 -0.28 0.00	10.41 -0.42 0.00	4.80 -0.40 2.98	3.92 -0.41 3.25	3.07 -0.46 4.20	2.73 -0.40 3.95	2.73 -0.47 4.10	6.46 -0.49 0.00	8.54 -0.50 0.00	11.68 -0.55 0.00	16.40 -0.49 0.00	23.18 -0.50 0.00	20.07 -0.33 0.00	19.48 -0.28 0.00	11.35 -0.16 0.00
CHATEAUG_WT_PWR 323614	7.23 -0.16 0.00	6.10 -0.14 0.00	4.98 -0.12 0.00	4.99 -0.11 0.00	5.86 -0.11 0.00	7.37 -0.12 0.00	9.75 -0.21 0.00	9.27 -0.20 0.00	10.58 -0.28 0.00	11.44 -0.26 0.00	10.43 -0.40 0.00	5.02 -0.39 2.77	4.16 -0.40 3.02	3.37 -0.45 3.90	3.02 -0.39 3.68	3.03 -0.46 3.81	6.47 -0.48 0.00	8.54 -0.50 0.00	11.73 -0.50 0.00	16.45 -0.44 0.00	23.18 -0.50 0.00	20.09 -0.31 0.00	19.50 -0.26 0.00	11.36 -0.15 0.00
CHAT_HIGH_FALL_HYD 323578	7.23 -0.16 0.00	6.09 -0.14 0.00	4.97 -0.13 0.00	4.99 -0.11 0.00	5.85 -0.11 0.00	7.36 -0.13 0.00	9.74 -0.22 0.00	9.26 -0.22 0.00	10.57 -0.29 0.00	11.42 -0.28 0.00	10.41 -0.42 0.00	4.80 -0.40 2.98	3.92 -0.41 3.25	3.07 -0.46 4.20	2.73 -0.40 3.95	2.73 -0.47 4.10	6.46 -0.49 0.00	8.54 -0.50 0.00	11.73 -0.50 0.00	16.45 -0.44 0.00	23.18 -0.50 0.00	20.07 -0.33 0.00	19.48 -0.28 0.00	11.35 -0.16 0.00
CHAUTAUQUA___LFGE 323629	9.99 0.06 -2.54	8.38 -0.02 -2.17	7.27 -0.01 -2.17	7.21 0.00 -2.10	7.96 0.01 -1.99	9.63 0.03 -2.11	12.88 0.00 -2.92	13.02 -0.09 -3.64	13.02 -0.17 -2.34	12.89 -0.21 -1.40	12.16 -0.02 -1.36	9.94 0.04 -1.72	9.49 0.09 -1.82	9.68 0.08 -1.88	9.21 0.08 -2.04	9.51 0.07 -2.14	9.52 0.05 -2.53	12.78 0.19 -3.55	15.96 0.20 -3.54	19.95 0.08 -2.98	25.23 -0.09 -1.65	21.54 -0.14 -1.29	20.04 -0.14 -0.43	13.26 0.14 -1.61
CHERRYST_13_KV_LD 356241	22.05 0.51 -14.15	18.73 0.41 -12.09	17.57 0.35 -12.12	17.17 0.34 -11.73	17.43 0.40 -11.07	19.73 0.48 -11.76	26.94 0.71 -16.27	30.48 0.70 -20.30	24.82 0.93 -13.03	20.58 1.06 -7.81	19.35 0.99 -7.54	18.48 0.74 -9.55	18.41 0.72 -10.10	19.02 0.74 -10.55	20.98 0.67 -13.23	20.06 0.70 -12.06	21.72 0.67 -14.10	30.00 0.85 -20.11	33.44 1.10 -20.11	34.84 1.40 -16.56	34.78 1.94 -9.15	29.06 1.49 -7.18	23.62 1.50 -2.36	21.34 0.85 -8.99
CHESTROR_138KV_BK263 355645	20.92 0.38 -13.15	17.79 0.32 -11.23	16.63 0.27 -11.26	16.26 0.26 -10.90	16.56 0.31 -10.29	18.80 0.39 -10.93	25.60 0.53 -15.12	28.86 0.52 -18.86	23.65 0.68 -12.10	19.72 0.76 -7.26	18.50 0.67 -7.00	17.57 0.52 -8.88	17.47 0.50 -9.39	17.92 0.51 -9.69	18.10 0.46 -10.55	18.82 0.48 -11.03	20.50 0.47 -13.09	28.31 0.61 -18.67	31.69 0.80 -18.66	33.31 1.05 -15.38	33.58 1.40 -8.50	28.19 1.12 -6.67	23.10 1.15 -2.19	20.49 0.63 -8.35
CH_MIDHUDSON___DRP 24192	22.10 0.40 -14.31	18.80 0.34 -12.22	17.64 0.28 -12.25	17.25 0.28 -11.86	17.49 0.33 -11.19	19.80 0.42 -11.89	26.96 0.55 -16.45	30.53 0.53 -20.53	24.75 0.72 -13.17	20.38 0.78 -7.90	19.14 0.69 -7.62	18.37 0.53 -9.66	18.31 0.52 -10.21	18.80 0.53 -10.54	19.03 0.47 -11.48	19.80 0.49 -12.01	21.66 0.47 -14.24	29.90 0.61 -20.25	33.26 0.82 -20.21	34.72 1.10 -16.74	34.38 1.44 -9.26	28.84 1.18 -7.26	23.33 1.19 -2.39	21.25 0.66 -9.09
CH_MISC_IPPS 23765	21.90 0.42 -14.09	18.64 0.37 -12.03	17.47 0.30 -12.07	17.08 0.30 -11.68	17.33 0.35 -11.02	19.65 0.45 -11.71	26.74 0.58 -16.20	30.26 0.57 -20.21	24.60 0.77 -12.97	20.32 0.84 -7.78	19.07 0.74 -7.50	18.25 0.56 -9.51	18.18 0.54 -10.06	18.66 0.55 -10.38	18.88 0.49 -11.31	19.64 0.51 -11.82	21.47 0.49 -14.02	29.66 0.65 -19.96	33.06 0.89 -19.94	34.59 1.22 -16.49	34.36 1.56 -9.11	28.83 1.29 -7.15	23.41 1.30 -2.35	21.17 0.71 -8.95
CH_RES_BVR_FALLS 23983	7.19 -0.20 0.00	6.07 -0.16 0.00	4.96 -0.14 0.00	4.95 -0.15 0.00	5.78 -0.18 0.00	7.26 -0.22 0.00	9.65 -0.31 0.00	9.19 -0.28 0.00	10.54 -0.32 0.00	11.38 -0.32 0.00	10.51 -0.31 0.00	6.80 -0.26 1.11	6.11 -0.26 1.22	5.89 -0.26 1.57	5.36 -0.25 1.48	5.52 -0.25 1.53	6.71 -0.24 0.00	8.75 -0.29 0.00	11.90 -0.33 0.00	16.50 -0.39 0.00	23.18 -0.50 0.00	19.99 -0.41 0.00	19.38 -0.38 0.00	11.30 -0.21 0.00

CH_RES_NIAGARA 23895	9.53 -0.18 -2.31	7.99 -0.22 -1.98	6.92 -0.16 -1.98	6.87 -0.15 -1.92	7.58 -0.19 -1.81	9.18 -0.23 -1.92	12.25 -0.37 -2.66	12.27 -0.50 -3.30	12.38 -0.61 -2.12	12.31 -0.67 -1.28	11.61 -0.45 -1.24	9.44 -0.30 -1.57	9.02 -0.22 -1.66	9.18 -0.25 -1.71	8.76 -0.19 -1.86	9.04 -0.21 -1.95	9.01 -0.22 -2.28	12.02 -0.24 -3.22	15.01 -0.43 -3.21	18.73 -0.86 -2.71	23.76 -1.42 -1.50	20.29 -1.28 -1.18	18.98 -1.17 -0.39	12.55 -0.43 -1.47
CH_RES_SYRACUSE 23985	9.05 0.03 -1.63	7.65 0.02 -1.39	6.51 0.01 -1.40	6.47 0.02 -1.35	7.26 0.02 -1.28	8.87 0.03 -1.36	11.92 0.08 -1.88	11.88 0.07 -2.34	12.41 0.04 -1.50	12.62 0.02 -0.90	11.74 0.05 -0.86	9.54 0.07 -1.29	9.01 0.05 -1.37	9.26 0.05 -1.47	8.68 0.04 -1.56	8.99 0.06 -1.63	8.64 0.06 -1.62	11.38 0.05 -2.28	14.48 0.01 -2.24	18.77 0.00 -1.89	24.79 0.07 -1.04	21.23 0.02 -0.82	20.02 0.00 -0.27	12.57 0.02 -1.04
CLINTON_WT_PWR 323605	7.23 -0.16 0.00	6.10 -0.14 0.00	4.98 -0.12 0.00	4.99 -0.11 0.00	5.86 -0.11 0.00	7.37 -0.12 0.00	9.75 -0.21 0.00	9.27 -0.20 0.00	10.58 -0.28 0.00	11.44 -0.26 0.00	10.43 -0.40 0.00	5.02 -0.39 2.77	4.16 -0.40 3.02	3.37 -0.45 3.90	3.02 -0.39 3.68	3.03 -0.46 3.81	6.47 -0.48 0.00	8.54 -0.50 0.00	11.73 -0.50 0.00	16.45 -0.44 0.00	23.18 -0.50 0.00	20.09 -0.31 0.00	19.50 -0.26 0.00	11.36 -0.15 0.00
CLINTON___LFGE 323618	7.30 -0.09 0.00	6.16 -0.08 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.45 -0.04 0.00	9.87 -0.09 0.00	9.39 -0.09 0.00	10.70 -0.16 0.00	11.57 -0.13 0.00	10.53 -0.30 0.00	5.03 -0.32 2.83	4.17 -0.33 3.08	3.37 -0.37 3.98	3.00 -0.33 3.75	3.01 -0.40 3.89	6.53 -0.42 0.00	8.64 -0.40 0.00	11.89 -0.34 0.00	16.68 -0.20 0.00	23.49 -0.19 0.00	20.35 -0.04 0.00	19.72 -0.04 0.00	11.47 -0.03 0.00
COBBLENY_34_KV_TB1 80064	9.93 -0.02 -2.56	8.35 -0.08 -2.19	7.24 -0.06 -2.20	7.18 -0.05 -2.13	7.91 -0.06 -2.01	9.56 -0.06 -2.13	12.79 -0.12 -2.95	12.93 -0.22 -3.68	12.93 -0.30 -2.37	12.77 -0.35 -1.42	12.06 -0.14 -1.37	9.83 -0.08 -1.74	9.40 -0.02 -1.84	9.58 -0.04 -1.90	9.13 -0.02 -2.06	9.42 -0.04 -2.16	9.51 0.01 -2.56	12.66 0.00 -3.62	15.79 -0.04 -3.59	19.64 -0.27 -3.03	24.62 -0.73 -1.67	21.12 -0.59 -1.31	19.61 -0.57 -0.43	13.05 -0.10 -1.64
COFFEEN___115KV_TB3 355620	8.33 0.04 -0.90	7.08 0.07 -0.77	5.92 0.05 -0.77	5.90 0.05 -0.74	6.72 0.06 -0.70	8.27 0.04 -0.75	11.15 0.16 -1.03	10.89 0.12 -1.30	11.79 0.05 -0.87	12.23 0.01 -0.52	11.30 -0.03 -0.50	10.67 -0.06 -2.55	10.25 -0.10 -2.77	11.04 -0.09 -3.40	10.34 -0.04 -3.30	10.64 -0.09 -3.43	7.73 -0.12 -0.90	10.21 -0.09 -1.26	13.54 0.06 -1.24	18.22 0.29 -1.05	24.73 0.47 -0.58	21.19 0.35 -0.45	20.18 0.28 -0.15	12.27 0.20 -0.57
COLDSPRG_115KV_BK1 355956	10.21 0.15 -2.67	8.58 0.06 -2.28	7.44 0.05 -2.29	7.38 0.06 -2.22	8.14 0.09 -2.09	9.84 0.13 -2.22	13.21 0.18 -3.07	13.41 0.10 -3.83	13.35 0.02 -2.47	13.18 0.00 -1.48	12.44 0.18 -1.43	10.16 0.17 -1.81	9.70 0.20 -1.91	9.90 0.19 -1.98	9.40 0.16 -2.15	9.71 0.16 -2.25	9.81 0.19 -2.66	13.11 0.28 -3.79	16.38 0.39 -3.76	20.44 0.39 -3.17	25.69 0.26 -1.75	21.97 0.20 -1.37	20.35 0.14 -0.45	13.53 0.30 -1.72
COLONIE_LFGE___ 323577	25.05 0.32 -17.34	21.31 0.26 -14.81	20.16 0.21 -14.85	19.69 0.21 -14.37	19.78 0.25 -13.56	22.22 0.32 -14.41	30.32 0.43 -19.94	34.75 0.39 -24.89	27.26 0.43 -15.96	21.73 0.46 -9.57	20.50 0.43 -9.24	20.23 0.34 -11.71	20.27 0.30 -12.38	20.81 0.30 -12.78	21.29 0.28 -13.92	22.15 0.29 -14.56	24.49 0.28 -17.27	33.30 0.37 -23.88	36.28 0.50 -23.54	37.89 0.71 -20.30	35.90 0.99 -11.22	30.09 0.90 -8.80	23.48 0.83 -2.89	22.94 0.43 -11.01
COOPERNY_115KV_TB1 80082	17.18 0.26 -9.53	14.59 0.22 -8.14	13.44 0.18 -8.16	13.18 0.18 -7.90	13.63 0.21 -7.46	15.67 0.26 -7.92	21.29 0.37 -10.96	23.50 0.35 -13.67	20.09 0.46 -8.77	17.45 0.49 -5.26	16.35 0.44 -5.07	14.96 0.34 -6.43	14.71 0.33 -6.80	15.09 0.34 -7.02	15.04 0.30 -7.65	15.61 0.31 -8.00	16.75 0.31 -9.49	22.92 0.40 -13.48	26.21 0.53 -13.45	28.73 0.69 -11.15	30.77 0.92 -6.16	25.98 0.75 -4.83	22.10 0.75 -1.59	18.00 0.44 -6.05
COPENHAGEN_WT_PWR 323753	8.32 0.00 -0.93	7.06 0.03 -0.79	5.92 0.02 -0.79	5.89 0.02 -0.77	6.71 0.02 -0.72	8.26 0.00 -0.77	11.10 0.08 -1.06	10.86 0.05 -1.34	11.70 -0.01 -0.85	12.15 -0.06 -0.51	11.26 -0.09 -0.52	10.56 -0.09 -2.47	10.13 -0.12 -2.67	10.89 -0.11 -3.27	10.20 -0.07 -3.18	10.50 -0.11 -3.31	7.79 -0.09 -0.93	10.23 -0.12 -1.30	13.53 -0.05 -1.35	18.13 0.10 -1.14	24.57 0.26 -0.63	21.05 0.16 -0.49	20.06 0.14 -0.16	12.20 0.10 -0.59
CORNELL_____ 23752	10.79 0.23 -3.17	9.14 0.19 -2.71	7.97 0.15 -2.72	7.89 0.16 -2.63	8.64 0.20 -2.48	10.37 0.25 -2.64	14.00 0.39 -3.65	14.37 0.34 -4.55	14.11 0.33 -2.92	13.75 0.29 -1.75	12.80 0.28 -1.69	10.55 0.23 -2.14	10.05 0.20 -2.27	10.27 0.20 -2.34	9.81 0.18 -2.55	10.17 0.20 -2.66	10.33 0.22 -3.16	13.75 0.28 -4.43	17.00 0.37 -4.40	21.13 0.54 -3.71	26.49 0.76 -2.05	22.61 0.61 -1.61	20.84 0.55 -0.53	13.88 0.36 -2.01
CORONA_AAV_69_KV_TB1 355595	28.41 0.63 -20.39	20.62 0.52 -13.86	21.51 0.43 -15.98	19.45 0.42 -13.92	20.11 0.50 -13.65	26.99 0.61 -18.89	30.14 0.86 -19.32	30.59 0.81 -20.31	29.29 1.04 -17.38	24.41 1.17 -11.54	25.56 1.05 -13.68	24.72 0.80 -15.74	24.89 0.77 -16.54	25.14 0.79 -16.62	25.34 0.71 -17.55	25.31 0.74 -17.27	26.83 0.71 -19.17	30.78 0.91 -20.82	35.26 1.20 -21.83	37.71 1.57 -19.26	39.86 2.23 -13.95	29.31 1.73 -7.18	27.87 1.76 -6.36	25.60 1.01 -13.08
CORTLAND_115KV_TB3 80093	10.16 0.15 -2.62	8.60 0.12 -2.24	7.45 0.10 -2.25	7.38 0.10 -2.17	8.14 0.13 -2.05	9.82 0.16 -2.18	13.24 0.26 -3.02	13.46 0.22 -3.76	13.50 0.22 -2.42	13.34 0.19 -1.45	12.42 0.19 -1.40	10.30 0.16 -1.96	9.81 0.15 -2.08	10.07 0.15 -2.19	9.56 0.13 -2.35	9.91 0.15 -2.46	9.73 0.17 -2.61	12.90 0.19 -3.67	16.11 0.24 -3.64	20.31 0.35 -3.07	25.85 0.47 -1.69	22.11 0.39 -1.33	20.53 0.34 -0.44	13.40 0.23 -1.66
COXSACKIE___GT 23611	23.85 0.34 -16.12	20.32 0.32 -13.76	19.16 0.26 -13.80	18.72 0.25 -13.36	18.87 0.30 -12.60	21.35 0.47 -13.39	28.95 0.46 -18.53	32.99 0.42 -23.10	26.30 0.61 -14.84	21.12 0.53 -8.90	19.78 0.38 -8.57	19.33 0.28 -10.87	19.31 0.24 -11.50	19.82 0.23 -11.87	20.26 0.25 -12.92	21.04 0.23 -13.51	23.22 0.24 -16.03	31.90 0.43 -22.42	35.13 0.68 -22.22	36.86 1.13 -18.84	35.42 1.33 -10.42	29.85 1.29 -8.17	23.59 1.15 -2.69	22.28 0.54 -10.23
CPV_VALLEY___CC1 323721	21.06 0.40 -13.27	17.90 0.33 -11.34	16.74 0.28 -11.37	16.38 0.27 -11.00	16.66 0.32 -10.38	18.91 0.40 -11.03	25.77 0.55 -15.26	29.05 0.53 -19.04	23.79 0.71 -12.22	19.81 0.78 -7.33	18.61 0.71 -7.07	17.68 0.54 -8.96	17.58 0.52 -9.47	18.04 0.53 -9.78	18.22 0.48 -10.65	18.94 0.50 -11.14	20.65 0.49 -13.21	28.51 0.62 -18.84	31.89 0.82 -18.84	33.50 1.08 -15.53	33.69 1.42 -8.58	28.29 1.16 -6.73	23.14 1.17 -2.21	20.59 0.66 -8.43

CPV_VALLEY___CC2 323722	21.06 0.40 -13.27	17.90 0.33 -11.34	16.74 0.28 -11.37	16.38 0.27 -11.00	16.66 0.32 -10.38	18.91 0.40 -11.03	25.77 0.55 -15.26	29.05 0.53 -19.04	23.79 0.71 -12.22	19.81 0.78 -7.33	18.61 0.71 -7.07	17.68 0.54 -8.96	17.58 0.52 -9.47	18.04 0.53 -9.78	18.22 0.48 -10.65	18.94 0.50 -11.14	20.65 0.49 -13.21	28.51 0.62 -18.84	31.89 0.82 -18.84	33.50 1.08 -15.53	33.69 1.42 -8.58	28.29 1.16 -6.73	23.14 1.17 -2.21	20.59 0.66 -8.43
CRESCENT___HYD 24018	25.05 0.32 -17.34	21.31 0.26 -14.81	20.16 0.21 -14.85	19.69 0.21 -14.37	19.78 0.25 -13.56	22.22 0.32 -14.41	30.32 0.43 -19.94	34.75 0.39 -24.89	27.26 0.43 -15.96	21.73 0.46 -9.57	20.50 0.43 -9.24	20.23 0.34 -11.71	20.27 0.30 -12.38	20.81 0.30 -12.78	21.29 0.28 -13.92	22.15 0.29 -14.56	24.49 0.28 -17.27	33.30 0.37 -23.88	36.28 0.50 -23.54	37.89 0.71 -20.30	35.90 0.99 -11.22	30.09 0.90 -8.80	23.48 0.83 -2.89	22.94 0.43 -11.01
CRICKET___VALLEY_CC1 323756	22.55 0.36 -14.80	19.19 0.31 -12.64	18.03 0.25 -12.67	17.62 0.25 -12.27	17.84 0.30 -11.58	20.16 0.37 -12.30	27.45 0.48 -17.01	31.17 0.46 -21.23	25.07 0.59 -13.62	20.52 0.65 -8.17	19.33 0.62 -7.88	18.63 0.47 -9.99	18.59 0.45 -10.56	19.09 0.46 -10.90	19.37 0.41 -11.88	20.14 0.42 -12.42	22.08 0.40 -14.73	25.92 0.51 -16.37	27.19 0.66 -14.29	35.06 0.86 -17.31	34.39 1.14 -9.57	28.84 0.94 -7.51	23.19 0.97 -2.47	21.44 0.54 -9.40
CRICKET___VALLEY_CC2 323757	22.55 0.36 -14.80	19.19 0.31 -12.64	18.03 0.25 -12.67	17.62 0.25 -12.27	17.84 0.30 -11.58	20.16 0.37 -12.30	27.45 0.48 -17.01	31.17 0.46 -21.23	25.07 0.59 -13.62	20.52 0.65 -8.17	19.33 0.62 -7.88	18.63 0.47 -9.99	18.59 0.45 -10.56	19.09 0.46 -10.90	19.37 0.41 -11.88	20.14 0.42 -12.42	22.08 0.40 -14.73	25.92 0.51 -16.37	27.19 0.66 -14.29	35.06 0.86 -17.31	34.39 1.14 -9.57	28.84 0.94 -7.51	23.19 0.97 -2.47	21.44 0.54 -9.40
CRICKET___VALLEY_CC3 323758	22.55 0.36 -14.80	19.19 0.31 -12.64	18.03 0.25 -12.67	17.62 0.25 -12.27	17.84 0.30 -11.58	20.16 0.37 -12.30	27.45 0.48 -17.01	31.17 0.46 -21.23	25.07 0.59 -13.62	20.52 0.65 -8.17	19.33 0.62 -7.88	18.63 0.47 -9.99	18.59 0.45 -10.56	19.09 0.46 -10.90	19.37 0.41 -11.88	20.14 0.42 -12.42	22.08 0.40 -14.73	25.92 0.51 -16.37	27.19 0.66 -14.29	35.06 0.86 -17.31	34.39 1.14 -9.57	28.84 0.94 -7.51	23.19 0.97 -2.47	21.44 0.54 -9.40
CRUCIBLE_METL_DRP 24180	9.05 0.03 -1.63	7.65 0.02 -1.39	6.51 0.01 -1.40	6.47 0.02 -1.35	7.26 0.02 -1.28	8.87 0.03 -1.36	11.92 0.08 -1.88	11.88 0.07 -2.34	12.39 0.04 -1.48	12.61 0.02 -0.89	11.74 0.05 -0.86	9.54 0.07 -1.29	9.02 0.05 -1.38	9.26 0.05 -1.48	8.69 0.04 -1.57	9.00 0.06 -1.64	8.64 0.07 -1.62	11.37 0.05 -2.28	14.53 0.04 -2.26	18.82 0.03 -1.90	24.78 0.05 -1.05	21.24 0.02 -0.83	20.03 0.00 -0.27	12.56 0.02 -1.03
DAHOWA___HYDRO 323763	25.30 0.27 -17.64	21.51 0.21 -15.06	20.38 0.17 -15.10	19.90 0.18 -14.62	19.97 0.21 -13.80	22.41 0.27 -14.66	30.65 0.41 -20.28	35.16 0.35 -25.33	27.44 0.35 -16.24	21.92 0.48 -9.74	20.69 0.45 -9.40	20.44 0.34 -11.92	20.49 0.30 -12.60	21.05 0.31 -13.01	21.55 0.30 -14.17	22.42 0.31 -14.82	24.74 0.22 -17.57	33.73 0.31 -24.38	36.73 0.43 -24.07	38.22 0.68 -20.66	36.14 1.04 -11.42	30.31 0.96 -8.96	23.51 0.81 -2.95	23.10 0.39 -11.20
DANC___LFGE 323619	8.44 -0.04 -1.09	7.15 -0.01 -0.93	6.02 -0.02 -0.93	5.99 -0.02 -0.90	6.80 -0.02 -0.85	8.35 -0.04 -0.90	11.23 0.02 -1.25	11.03 -0.01 -1.56	11.80 -0.06 -1.00	12.19 -0.11 -0.60	11.32 -0.11 -0.59	10.09 -0.09 -2.00	9.64 -0.11 -2.16	10.21 -0.10 -2.59	9.57 -0.07 -2.56	9.87 -0.10 -2.66	7.96 -0.08 -1.09	10.46 -0.11 -1.52	13.67 -0.11 -1.55	18.14 -0.05 -1.31	24.40 0.00 -0.72	20.94 -0.02 -0.57	19.90 -0.04 -0.19	12.21 0.01 -0.69
DANSKAMMER___1 23586	21.90 0.42 -14.09	18.64 0.37 -12.03	17.47 0.30 -12.07	17.08 0.30 -11.68	17.33 0.35 -11.02	19.65 0.45 -11.71	26.74 0.58 -16.20	30.26 0.57 -20.21	24.60 0.77 -12.97	20.32 0.84 -7.78	19.07 0.74 -7.50	18.25 0.56 -9.51	18.18 0.54 -10.06	18.66 0.55 -10.38	18.88 0.49 -11.31	19.64 0.51 -11.82	21.47 0.49 -14.02	29.66 0.65 -19.96	33.06 0.89 -19.94	34.59 1.22 -16.49	34.36 1.56 -9.11	28.83 1.29 -7.15	23.41 1.30 -2.35	21.17 0.71 -8.95
DANSKAMMER___2 23589	21.90 0.42 -14.09	18.64 0.37 -12.03	17.47 0.30 -12.07	17.08 0.30 -11.68	17.33 0.35 -11.02	19.65 0.45 -11.71	26.74 0.58 -16.20	30.26 0.57 -20.21	24.60 0.77 -12.97	20.32 0.84 -7.78	19.07 0.74 -7.50	18.25 0.56 -9.51	18.18 0.54 -10.06	18.66 0.55 -10.38	18.88 0.49 -11.31	19.64 0.51 -11.82	21.47 0.49 -14.02	29.66 0.65 -19.96	33.06 0.89 -19.94	34.59 1.22 -16.49	34.36 1.56 -9.11	28.83 1.29 -7.15	23.41 1.30 -2.35	21.17 0.71 -8.95
DANSKAMMER___3 23590	21.90 0.42 -14.09	18.64 0.37 -12.03	17.47 0.30 -12.07	17.08 0.30 -11.68	17.33 0.35 -11.02	19.65 0.45 -11.71	26.74 0.58 -16.20	30.26 0.57 -20.21	24.60 0.77 -12.97	20.32 0.84 -7.78	19.07 0.74 -7.50	18.25 0.56 -9.51	18.18 0.54 -10.06	18.66 0.55 -10.38	18.88 0.49 -11.31	19.64 0.51 -11.82	21.47 0.49 -14.02	29.66 0.65 -19.96	33.06 0.89 -19.94	34.59 1.22 -16.49	34.36 1.56 -9.11	28.83 1.29 -7.15	23.41 1.30 -2.35	21.17 0.71 -8.95
DANSKAMMER___4 23591	21.90 0.42 -14.09	18.64 0.37 -12.03	17.47 0.30 -12.07	17.08 0.30 -11.68	17.33 0.35 -11.02	19.65 0.45 -11.71	26.74 0.58 -16.20	30.26 0.57 -20.21	24.60 0.77 -12.97	20.32 0.84 -7.78	19.07 0.74 -7.50	18.25 0.56 -9.51	18.18 0.54 -10.06	18.66 0.55 -10.38	18.88 0.49 -11.31	19.64 0.51 -11.82	21.47 0.49 -14.02	29.66 0.65 -19.96	33.06 0.89 -19.94	34.59 1.22 -16.49	34.36 1.56 -9.11	28.83 1.29 -7.15	23.41 1.30 -2.35	21.17 0.71 -8.95
DANSKAMMER___DIESEL 23592	21.90 0.42 -14.09	18.64 0.37 -12.03	17.47 0.30 -12.07	17.08 0.30 -11.68	17.33 0.35 -11.02	19.65 0.45 -11.71	26.74 0.58 -16.20	30.26 0.57 -20.21	24.60 0.77 -12.97	20.32 0.84 -7.78	19.05 0.71 -7.50	18.25 0.56 -9.51	18.18 0.54 -10.06	18.66 0.55 -10.38	18.88 0.49 -11.31	19.64 0.51 -11.82	21.47 0.50 -14.02	29.66 0.65 -19.96	33.06 0.89 -19.94	34.59 1.22 -16.49	34.38 1.59 -9.11	28.83 1.28 -7.15	23.41 1.30 -2.35	21.17 0.71 -8.95
DARBY___SOLAR 323810	25.27 0.29 -17.59	21.49 0.22 -15.03	20.35 0.18 -15.07	19.87 0.18 -14.58	19.95 0.22 -13.76	22.39 0.28 -14.62	30.62 0.41 -20.25	35.11 0.37 -25.27	27.45 0.38 -16.21	21.92 0.49 -9.73	20.68 0.48 -9.38	20.42 0.35 -11.89	20.47 0.31 -12.57	21.02 0.32 -12.98	21.53 0.31 -14.13	22.39 0.31 -14.78	24.72 0.24 -17.53	33.68 0.33 -24.31	36.64 0.44 -23.96	38.14 0.68 -20.58	36.12 1.07 -11.38	30.26 0.94 -8.93	23.52 0.83 -2.94	23.08 0.40 -11.17
DASHVILLE___HYD 23610	21.87 0.32 -14.16	18.61 0.28 -12.09	17.46 0.23 -12.13	17.06 0.22 -11.74	17.30 0.26 -11.08	19.60 0.34 -11.77	26.67 0.44 -16.28	30.23 0.45 -20.31	24.57 0.67 -13.03	20.26 0.75 -7.82	18.98 0.62 -7.54	18.23 0.49 -9.56	18.17 0.49 -10.10	18.65 0.49 -10.43	18.86 0.41 -11.36	19.63 0.45 -11.88	21.48 0.44 -14.09	29.55 0.55 -19.96	32.91 0.78 -19.89	34.48 1.03 -16.57	34.14 1.30 -9.16	28.58 1.00 -7.18	23.16 1.05 -2.36	21.06 0.56 -8.99

DEERFIELD_69_KV_DEERFIELD LD 355887	28.65 0.86 -20.39	20.81 0.71 -13.86	21.68 0.60 -15.98	19.62 0.59 -13.92	20.30 0.69 -13.65	27.24 0.86 -18.89	30.52 1.24 -19.32	30.90 1.12 -20.31	29.66 1.41 -17.38	24.76 1.52 -11.54	25.85 1.34 -13.68	24.92 1.01 -15.74	25.08 0.96 -16.54	25.32 0.97 -16.62	25.61 0.98 -17.55	25.51 0.93 -17.27	27.03 0.90 -19.17	31.18 1.31 -20.82	35.70 1.64 -21.83	38.32 2.18 -19.26	40.72 3.08 -13.96	29.94 2.37 -7.18	28.59 2.47 -6.36	25.97 1.38 -13.08
DELAWARE___LFGE 323621	13.20 0.24 -5.57	11.20 0.21 -4.76	10.04 0.17 -4.77	9.88 0.16 -4.62	10.53 0.20 -4.36	12.36 0.24 -4.63	16.74 0.37 -6.41	17.80 0.33 -8.00	16.38 0.38 -5.13	15.16 0.39 -3.08	14.17 0.37 -2.97	12.22 0.28 -3.77	11.82 0.26 -3.98	12.10 0.26 -4.11	11.81 0.25 -4.48	12.23 0.25 -4.68	12.75 0.25 -5.55	17.15 0.32 -7.79	20.40 0.44 -7.73	24.01 0.61 -6.52	28.11 0.83 -3.60	23.91 0.69 -2.83	21.34 0.65 -0.93	15.44 0.39 -3.54
DERFIELD_115KV_TB7 355931	7.41 0.02 0.00	6.26 0.02 0.00	5.11 0.01 0.00	5.11 0.01 0.00	5.98 0.01 0.00	7.50 0.01 0.00	9.99 0.03 0.00	9.50 0.03 0.00	10.88 0.02 0.00	11.71 0.01 0.00	10.85 0.02 0.00	8.19 0.01 0.00	7.59 0.01 0.00	7.74 0.01 0.00	7.09 0.01 0.00	7.32 0.01 0.00	6.97 0.02 0.00	9.06 0.02 0.00	12.27 0.04 0.00	16.94 0.05 0.00	23.75 0.07 0.00	20.45 0.06 0.00	19.81 0.06 0.00	11.54 0.03 0.00
DOGLEVILLE___HYD 23807	7.37 -0.02 0.00	6.22 -0.01 0.00	5.09 -0.01 0.00	5.08 -0.03 0.00	5.93 -0.03 0.00	7.43 -0.05 0.00	9.93 -0.03 0.00	9.44 -0.04 0.00	10.80 -0.06 0.00	11.59 -0.11 0.00	10.70 -0.13 0.00	8.06 -0.12 0.00	7.45 -0.14 0.00	7.56 -0.16 0.00	6.92 -0.16 0.00	7.16 -0.15 0.00	6.84 -0.11 0.00	8.87 -0.17 0.00	12.06 -0.17 0.00	16.72 -0.17 0.00	23.63 -0.05 0.00	20.41 0.02 0.00	19.78 0.02 0.00	11.55 0.05 0.00
DUNKIRK___115KV_TB_200 55889	9.98 0.05 -2.53	8.38 -0.02 -2.16	7.26 -0.01 -2.17	7.20 0.00 -2.10	7.95 0.01 -1.98	9.61 0.02 -2.11	12.86 -0.01 -2.91	13.00 -0.10 -3.63	13.02 -0.18 -2.34	12.88 -0.22 -1.40	12.18 0.00 -1.35	9.93 0.03 -1.72	9.48 0.08 -1.81	9.66 0.06 -1.87	9.19 0.07 -2.04	9.49 0.06 -2.13	9.58 0.10 -2.53	12.87 0.17 -3.65	16.05 0.20 -3.62	20.02 0.08 -3.06	25.13 -0.24 -1.69	21.54 -0.18 -1.33	19.99 -0.20 -0.44	13.28 0.12 -1.66
DUNKIRK___1 23563	9.98 0.05 -2.53	8.38 -0.02 -2.16	7.26 -0.01 -2.17	7.20 0.00 -2.10	7.95 0.01 -1.98	9.61 0.02 -2.11	12.86 -0.01 -2.91	13.00 -0.10 -3.63	13.02 -0.18 -2.34	12.88 -0.22 -1.40	12.18 0.00 -1.35	9.93 0.03 -1.72	9.48 0.08 -1.81	9.66 0.06 -1.87	9.19 0.07 -2.04	9.49 0.06 -2.13	9.58 0.10 -2.53	12.87 0.17 -3.65	16.05 0.20 -3.62	20.02 0.08 -3.06	25.13 -0.24 -1.69	21.54 -0.18 -1.33	19.99 -0.20 -0.44	13.28 0.12 -1.66
DUNKIRK___2 23564	9.98 0.05 -2.53	8.38 -0.02 -2.16	7.26 -0.01 -2.17	7.20 0.00 -2.10	7.95 0.01 -1.98	9.61 0.02 -2.11	12.86 -0.01 -2.91	13.00 -0.10 -3.63	13.02 -0.18 -2.34	12.88 -0.22 -1.40	12.18 0.00 -1.35	9.93 0.03 -1.72	9.48 0.08 -1.81	9.66 0.06 -1.87	9.19 0.07 -2.04	9.49 0.06 -2.13	9.58 0.10 -2.53	12.87 0.17 -3.65	16.05 0.20 -3.62	20.02 0.08 -3.06	25.13 -0.24 -1.69	21.54 -0.18 -1.33	19.99 -0.20 -0.44	13.28 0.12 -1.66
DUNKIRK___3 23565	9.93 0.04 -2.50	8.34 -0.04 -2.14	7.23 -0.02 -2.14	7.17 -0.01 -2.08	7.92 -0.01 -1.96	9.57 0.01 -2.08	12.81 -0.03 -2.88	12.93 -0.13 -3.59	12.97 -0.21 -2.31	12.84 -0.25 -1.39	12.12 -0.04 -1.34	9.88 0.01 -1.70	9.43 0.05 -1.79	9.62 0.04 -1.85	9.15 0.05 -2.02	9.45 0.04 -2.11	9.52 0.08 -2.50	12.80 0.14 -3.62	15.96 0.13 -3.60	19.90 -0.02 -3.03	25.00 -0.36 -1.68	21.42 -0.29 -1.31	19.91 -0.28 -0.43	13.21 0.06 -1.64
DUNKIRK___4 23566	9.93 0.04 -2.50	8.34 -0.04 -2.14	7.23 -0.02 -2.14	7.17 -0.01 -2.08	7.92 -0.01 -1.96	9.57 0.01 -2.08	12.81 -0.03 -2.88	12.93 -0.13 -3.59	12.97 -0.21 -2.31	12.84 -0.25 -1.39	12.12 -0.04 -1.34	9.88 0.01 -1.70	9.43 0.05 -1.79	9.62 0.04 -1.85	9.15 0.05 -2.02	9.45 0.04 -2.11	9.52 0.08 -2.50	12.80 0.14 -3.62	15.96 0.13 -3.60	19.90 -0.02 -3.03	25.00 -0.36 -1.68	21.42 -0.29 -1.31	19.91 -0.28 -0.43	13.21 0.06 -1.64
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	22.02 0.47 -14.15	18.71 0.39 -12.09	17.54 0.32 -12.12	17.15 0.32 -11.73	17.40 0.37 -11.07	19.71 0.46 -11.76	26.89 0.66 -16.27	30.42 0.64 -20.30	24.73 0.84 -13.03	20.45 0.94 -7.81	19.23 0.87 -7.54	18.39 0.65 -9.56	18.32 0.64 -10.10	18.81 0.66 -10.43	19.04 0.60 -11.36	19.80 0.62 -11.87	21.63 0.60 -14.09	29.91 0.76 -20.11	33.32 0.98 -20.11	34.71 1.27 -16.56	34.59 1.75 -9.15	28.94 1.37 -7.18	23.50 1.38 -2.36	21.28 0.78 -8.99
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	21.54 0.41 -13.74	18.32 0.35 -11.73	17.15 0.29 -11.77	16.77 0.28 -11.39	17.05 0.33 -10.75	19.33 0.43 -11.42	26.31 0.56 -15.80	29.73 0.55 -19.71	24.26 0.75 -12.65	20.10 0.82 -7.59	18.86 0.71 -7.32	18.00 0.55 -9.28	17.92 0.53 -9.81	18.40 0.55 -10.12	18.59 0.48 -11.03	19.34 0.51 -11.53	21.12 0.49 -13.68	29.16 0.64 -19.48	32.55 0.86 -19.46	34.11 1.15 -16.08	34.08 1.52 -8.89	28.59 1.22 -6.97	23.29 1.24 -2.29	20.91 0.68 -8.72
E179THST_138_KV_TB4_REV_LBMP_J 345001	22.00 0.46 -14.15	18.70 0.37 -12.09	17.53 0.31 -12.12	17.15 0.32 -11.73	17.40 0.36 -11.07	19.64 0.39 -11.76	26.83 0.60 -16.27	30.37 0.60 -20.30	24.71 0.83 -13.03	20.46 0.95 -7.81	19.24 0.88 -7.54	18.40 0.67 -9.55	18.34 0.65 -10.10	18.95 0.66 -10.55	19.03 0.59 -11.36	19.81 0.63 -11.88	21.66 0.60 -14.10	29.92 0.77 -20.11	33.33 0.99 -20.11	34.69 1.25 -16.56	34.54 1.70 -9.15	28.84 1.26 -7.18	23.40 1.28 -2.36	21.26 0.77 -8.99
E179THST_13_KV_LOAD 356214	22.03 0.49 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.17 0.33 -11.73	17.42 0.39 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.71 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	19.07 0.62 -11.36	19.85 0.66 -11.88	21.69 0.64 -14.10	29.95 0.80 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	28.92 1.35 -7.18	23.48 1.36 -2.36	21.31 0.82 -8.99
EAST HAMPTON___GT 23717	28.73 0.95 -20.39	20.87 0.78 -13.86	21.74 0.66 -15.98	19.67 0.65 -13.92	20.38 0.76 -13.65	27.32 0.94 -18.89	30.64 1.35 -19.32	31.01 1.23 -20.31	29.79 1.54 -17.38	24.90 1.66 -11.54	25.98 1.47 -13.68	25.00 1.08 -15.74	25.15 1.03 -16.54	25.40 1.05 -16.62	25.70 1.07 -17.55	25.58 1.00 -17.27	27.09 0.97 -19.17	31.33 1.46 -20.82	35.97 1.91 -21.83	38.70 2.55 -19.26	40.91 3.27 -13.96	30.19 2.61 -7.18	28.78 2.67 -6.36	26.10 1.51 -13.08
EAST RIVER___6 23660	22.02 0.48 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.69 0.44 -11.76	26.89 0.66 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.55 1.04 -7.81	19.34 0.98 -7.54	18.46 0.73 -9.55	18.39 0.71 -10.10	19.00 0.73 -10.55	20.97 0.66 -13.23	20.05 0.69 -12.06	21.70 0.65 -14.10	29.97 0.82 -20.11	33.42 1.08 -20.11	34.81 1.37 -16.56	34.66 1.82 -9.15	28.94 1.37 -7.18	23.52 1.40 -2.36	21.30 0.81 -8.99

EAST RIVER___7 23524	22.02 0.48 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.69 0.44 -11.76	26.89 0.66 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.55 1.04 -7.81	19.34 0.98 -7.54	18.46 0.73 -9.55	18.39 0.71 -10.10	19.00 0.73 -10.55	20.97 0.66 -13.23	20.05 0.69 -12.06	21.70 0.65 -14.10	29.97 0.82 -20.11	33.42 1.08 -20.11	34.81 1.37 -16.56	34.66 1.82 -9.15	28.94 1.37 -7.18	23.52 1.40 -2.36	21.30 0.81 -8.99
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	21.98 0.46 -14.13	18.68 0.38 -12.07	17.51 0.31 -12.10	17.12 0.31 -11.71	17.38 0.36 -11.05	19.67 0.44 -11.74	26.84 0.64 -16.24	30.37 0.63 -20.27	24.68 0.81 -13.01	20.41 0.91 -7.80	19.19 0.83 -7.52	18.35 0.63 -9.54	18.28 0.61 -10.09	18.77 0.63 -10.41	18.99 0.57 -11.34	19.75 0.59 -11.85	21.58 0.57 -14.06	29.85 0.73 -20.07	33.26 0.95 -20.07	34.65 1.23 -16.53	34.50 1.68 -9.14	28.89 1.33 -7.17	23.46 1.34 -2.36	21.24 0.76 -8.97
EAST_HAMPTON___DIESEL 23722	28.74 0.95 -20.39	20.88 0.79 -13.86	21.74 0.66 -15.98	19.68 0.65 -13.92	20.38 0.76 -13.65	27.33 0.95 -18.89	30.64 1.35 -19.32	31.01 1.23 -20.31	29.79 1.54 -17.38	24.90 1.66 -11.54	25.98 1.47 -13.68	25.01 1.09 -15.74	25.15 1.03 -16.54	25.40 1.05 -16.62	25.70 1.07 -17.55	25.58 1.00 -17.27	27.09 0.97 -19.17	31.33 1.46 -20.82	35.98 1.92 -21.83	38.70 2.55 -19.26	40.91 3.27 -13.96	30.19 2.61 -7.18	28.80 2.69 -6.36	26.11 1.52 -13.08
EAST_PULASKI___ESR 323781	8.58 -0.06 -1.25	7.25 -0.05 -1.06	6.12 -0.05 -1.07	6.09 -0.04 -1.03	6.90 -0.04 -0.97	8.46 -0.06 -1.04	11.36 -0.03 -1.43	11.22 -0.05 -1.79	11.92 -0.10 -1.16	12.25 -0.14 -0.70	11.39 -0.11 -0.67	9.64 -0.07 -1.54	9.15 -0.08 -1.65	9.54 -0.09 -1.90	8.93 -0.08 -1.92	9.23 -0.08 -2.00	8.13 -0.06 -1.24	10.70 -0.09 -1.74	13.83 -0.13 -1.73	18.21 -0.14 -1.46	24.27 -0.21 -0.81	20.84 -0.18 -0.63	19.79 -0.18 -0.21	12.22 -0.08 -0.79
EAST_RIVER___1 323558	22.03 0.49 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.39 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	20.96 0.64 -13.23	20.03 0.67 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.40 1.06 -20.11	34.79 1.35 -16.56	34.68 1.85 -9.15	29.00 1.43 -7.18	23.58 1.46 -2.36	21.32 0.83 -8.99
EAST_RIVER___2 323559	22.02 0.48 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.69 0.44 -11.76	26.89 0.66 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.55 1.04 -7.81	19.34 0.98 -7.54	18.46 0.73 -9.55	18.39 0.71 -10.10	19.00 0.73 -10.55	20.97 0.66 -13.23	20.05 0.69 -12.06	21.70 0.65 -14.10	29.97 0.82 -20.11	33.42 1.08 -20.11	34.81 1.37 -16.56	34.66 1.82 -9.15	28.94 1.37 -7.18	23.52 1.40 -2.36	21.30 0.81 -8.99
EAST___DELAWARE_HYD 23607	19.78 0.32 -12.07	16.86 0.31 -10.31	15.69 0.25 -10.34	15.35 0.24 -10.01	15.70 0.29 -9.44	17.94 0.43 -10.03	24.30 0.46 -13.88	27.24 0.45 -17.31	22.70 0.73 -11.11	19.12 0.76 -6.66	17.84 0.58 -6.43	16.77 0.44 -8.15	16.62 0.42 -8.61	17.05 0.43 -8.89	17.15 0.38 -9.68	17.82 0.39 -10.13	19.36 0.40 -12.01	26.65 0.55 -17.06	30.03 0.78 -17.01	32.14 1.13 -14.12	32.86 1.37 -7.81	27.66 1.14 -6.12	22.93 1.17 -2.01	19.78 0.61 -7.66
EIGHT_POINT___WT_PWR 323820	10.74 0.54 -2.81	9.08 0.44 -2.40	7.86 0.36 -2.40	7.80 0.37 -2.33	8.61 0.45 -2.20	10.43 0.61 -2.33	14.10 0.92 -3.23	14.33 0.82 -4.03	14.25 0.80 -2.58	14.03 0.78 -1.55	13.10 0.77 -1.50	10.69 0.61 -1.90	10.13 0.54 -2.01	10.32 0.52 -2.08	9.78 0.43 -2.26	10.18 0.51 -2.36	10.26 0.51 -2.79	13.64 0.67 -3.93	16.96 0.82 -3.91	21.33 1.15 -3.30	27.35 1.85 -1.82	23.31 1.49 -1.43	21.55 1.32 -0.47	14.13 0.84 -1.78
ELBRIDGE_115KV_TB2 80188	9.10 0.00 -1.71	7.69 -0.01 -1.46	6.56 -0.01 -1.47	6.52 -0.01 -1.42	7.30 0.00 -1.34	8.92 0.01 -1.42	11.97 0.04 -1.97	11.95 0.02 -2.46	12.42 -0.02 -1.58	12.60 -0.05 -0.95	11.73 -0.01 -0.92	9.53 0.01 -1.34	9.02 0.02 -1.42	9.25 0.01 -1.52	8.71 0.01 -1.61	9.00 0.01 -1.69	8.68 0.03 -1.70	11.45 0.03 -2.39	14.59 0.03 -2.37	18.85 -0.01 -2.00	24.74 -0.03 -1.10	21.20 -0.05 -0.87	19.96 -0.06 -0.28	12.57 -0.02 -1.08
ELEC_TRO_TEK 24086	28.37 0.59 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.95 0.58 -18.89	30.09 0.81 -19.32	30.55 0.77 -20.31	29.25 1.01 -17.38	24.36 1.12 -11.54	25.52 1.01 -13.68	24.69 0.77 -15.74	24.86 0.74 -16.54	25.10 0.75 -16.62	25.33 0.70 -17.55	25.28 0.71 -17.27	26.80 0.68 -19.17	30.75 0.89 -20.82	35.20 1.14 -21.83	37.63 1.49 -19.26	39.72 2.08 -13.95	29.19 1.61 -7.18	27.80 1.68 -6.36	25.56 0.97 -13.08
ELLENBURG_WT_PWR 323604	7.23 -0.16 0.00	6.10 -0.14 0.00	4.98 -0.12 0.00	4.99 -0.11 0.00	5.86 -0.11 0.00	7.37 -0.12 0.00	9.75 -0.21 0.00	9.27 -0.20 0.00	10.58 -0.28 0.00	11.44 -0.26 0.00	10.43 -0.40 0.00	5.02 -0.39 2.77	4.16 -0.40 3.02	3.37 -0.45 3.90	3.02 -0.39 3.68	3.03 -0.46 3.81	6.47 -0.48 0.00	8.54 -0.50 0.00	11.73 -0.50 0.00	16.45 -0.44 0.00	23.18 -0.50 0.00	20.09 -0.31 0.00	19.50 -0.26 0.00	11.36 -0.15 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	9.81 -0.01 -2.43	8.24 -0.07 -2.08	7.13 -0.05 -2.08	7.08 -0.04 -2.02	7.81 -0.05 -1.90	9.45 -0.06 -2.02	12.64 -0.12 -2.80	12.73 -0.24 -3.49	12.79 -0.31 -2.25	12.68 -0.36 -1.35	11.98 -0.15 -1.30	9.75 -0.08 -1.65	9.30 -0.02 -1.74	9.49 -0.04 -1.80	9.02 -0.02 -1.96	9.32 -0.03 -2.05	9.39 0.01 -2.43	12.49 0.00 -3.45	15.60 -0.05 -3.42	19.46 -0.30 -2.88	24.47 -0.81 -1.59	20.99 -0.65 -1.25	19.55 -0.61 -0.41	12.96 -0.12 -1.56
EMPIRE_CC_1 323656	24.20 0.27 -16.54	20.59 0.23 -14.12	19.45 0.19 -14.16	19.00 0.19 -13.71	19.11 0.21 -12.94	21.51 0.28 -13.74	29.29 0.32 -19.02	33.48 0.28 -23.73	26.42 0.34 -15.22	21.18 0.35 -9.13	19.98 0.35 -8.81	19.62 0.28 -11.17	19.64 0.25 -11.80	20.16 0.25 -12.18	20.58 0.22 -13.27	21.41 0.23 -13.88	23.62 0.22 -16.46	31.97 0.28 -22.65	34.88 0.38 -22.27	36.74 0.51 -19.35	35.09 0.71 -10.70	29.44 0.65 -8.39	23.13 0.61 -2.76	22.33 0.32 -10.50
EMPIRE_CC_2 323658	24.20 0.27 -16.54	20.59 0.23 -14.12	19.45 0.19 -14.16	19.00 0.19 -13.71	19.11 0.21 -12.94	21.51 0.28 -13.74	29.29 0.32 -19.02	33.48 0.28 -23.73	26.42 0.34 -15.22	21.18 0.35 -9.13	19.98 0.35 -8.81	19.62 0.28 -11.17	19.64 0.25 -11.80	20.16 0.25 -12.18	20.58 0.22 -13.27	21.41 0.23 -13.88	23.62 0.22 -16.46	31.97 0.28 -22.65	34.88 0.38 -22.27	36.74 0.51 -19.35	35.09 0.71 -10.70	29.44 0.65 -8.39	23.13 0.61 -2.76	22.33 0.32 -10.50
ENORWICH_115KV_TB1 80156	12.04 0.44 -4.20	10.25 0.42 -3.59	9.04 0.34 -3.60	8.92 0.34 -3.48	9.67 0.42 -3.29	11.47 0.49 -3.49	15.60 0.81 -4.83	16.20 0.69 -6.03	15.36 0.63 -3.87	14.54 0.51 -2.32	13.53 0.47 -2.24	11.34 0.32 -2.84	10.84 0.25 -3.00	11.10 0.27 -3.10	10.74 0.28 -3.37	11.09 0.26 -3.53	11.43 0.30 -4.18	15.36 0.44 -5.87	18.82 0.76 -5.83	23.06 1.27 -4.91	28.22 1.82 -2.72	24.03 1.51 -2.13	21.82 1.36 -0.70	15.04 0.86 -2.67

ERIE_ST__34_KV_TB1-2 80199	9.88 -0.03 -2.52	8.30 -0.09 -2.15	7.20 -0.06 -2.16	7.14 -0.05 -2.09	7.87 -0.07 -1.97	9.50 -0.07 -2.09	12.72 -0.14 -2.90	12.87 -0.22 -3.61	12.88 -0.30 -2.33	12.74 -0.35 -1.40	12.02 -0.15 -1.35	9.81 -0.07 -1.71	9.36 -0.02 -1.80	9.56 -0.03 -1.86	9.09 -0.02 -2.03	9.39 -0.03 -2.12	9.47 0.01 -2.51	12.59 0.00 -3.55	15.73 -0.02 -3.53	19.62 -0.24 -2.97	24.64 -0.69 -1.64	21.11 -0.57 -1.29	19.63 -0.55 -0.42	13.01 -0.12 -1.61
ERIE_WT_PWR 323693	9.90 0.01 -2.49	8.31 -0.06 -2.13	7.20 -0.03 -2.13	7.14 -0.03 -2.06	7.88 -0.03 -1.95	9.53 -0.03 -2.07	12.74 -0.08 -2.86	12.86 -0.18 -3.57	12.89 -0.26 -2.29	12.77 -0.30 -1.37	12.04 -0.12 -1.33	9.82 -0.05 -1.69	9.38 0.01 -1.78	9.56 -0.01 -1.84	9.10 0.01 -2.01	9.40 0.00 -2.10	9.41 -0.01 -2.48	12.57 0.05 -3.48	15.69 -0.01 -3.47	19.57 -0.24 -2.92	24.75 -0.54 -1.62	21.13 -0.53 -1.27	19.68 -0.49 -0.42	13.03 -0.06 -1.58
ESPRGFLD_115KV_TB1 80157	5.61 0.38 2.16	4.72 0.32 1.84	3.52 0.26 1.85	3.57 0.26 1.79	4.59 0.32 1.69	6.08 0.39 1.79	8.13 0.63 2.46	6.98 0.57 3.07	9.48 0.59 1.97	11.09 0.57 1.18	10.22 0.53 1.14	7.12 0.38 1.44	6.41 0.35 1.52	6.50 0.35 1.57	5.72 0.35 1.71	5.85 0.34 1.79	5.16 0.34 2.13	6.41 0.48 3.11	9.74 0.67 3.16	15.39 1.03 2.52	23.73 1.44 1.40	20.54 1.24 1.09	20.48 1.09 0.36	10.77 0.63 1.37
ETNA_115_KV_TB1_REV_LBMP_C 345029	10.77 0.21 -3.16	9.12 0.18 -2.70	7.95 0.14 -2.71	7.87 0.15 -2.62	8.62 0.18 -2.47	10.34 0.22 -2.63	13.96 0.37 -3.64	14.32 0.31 -4.54	14.08 0.30 -2.92	13.71 0.26 -1.75	12.78 0.26 -1.69	10.52 0.20 -2.14	10.02 0.18 -2.26	10.25 0.19 -2.33	9.79 0.16 -2.54	10.14 0.18 -2.66	10.30 0.21 -3.15	13.72 0.26 -4.42	16.96 0.34 -4.38	21.07 0.49 -3.70	26.43 0.71 -2.04	22.57 0.57 -1.60	20.80 0.51 -0.53	13.85 0.33 -2.01
ETNA____115KV_TB2 80207	10.77 0.21 -3.16	9.12 0.18 -2.70	7.95 0.14 -2.71	7.87 0.15 -2.62	8.62 0.18 -2.47	10.34 0.22 -2.63	13.96 0.37 -3.64	14.32 0.31 -4.54	14.08 0.30 -2.92	13.71 0.26 -1.75	12.78 0.26 -1.69	10.52 0.20 -2.14	10.02 0.18 -2.26	10.25 0.19 -2.33	9.79 0.16 -2.54	10.14 0.18 -2.66	10.30 0.21 -3.15	13.72 0.26 -4.42	16.96 0.34 -4.38	21.07 0.49 -3.70	26.43 0.71 -2.04	22.57 0.57 -1.60	20.80 0.51 -0.53	13.85 0.33 -2.01
EUCLID____115KV_TB2 356179	8.74 -0.05 -1.41	7.38 -0.06 -1.20	6.26 -0.05 -1.20	6.22 -0.05 -1.16	7.02 -0.05 -1.10	8.60 -0.05 -1.17	11.54 -0.04 -1.62	11.43 -0.06 -2.02	12.06 -0.10 -1.30	12.36 -0.12 -0.78	11.50 -0.08 -0.75	9.32 -0.03 -1.17	8.80 -0.03 -1.25	9.05 -0.03 -1.35	8.48 -0.04 -1.43	8.77 -0.02 -1.49	8.34 -0.01 -1.40	10.97 -0.04 -1.96	14.10 -0.09 -1.95	18.39 -0.14 -1.64	24.35 -0.24 -0.91	20.88 -0.22 -0.71	19.75 -0.24 -0.23	12.30 -0.10 -0.89
E_CANADA_CAP_HY 24051	29.06 0.47 -21.21	24.73 0.38 -18.11	23.57 0.31 -18.16	22.99 0.31 -17.58	22.93 0.38 -16.59	25.58 0.47 -17.62	35.09 0.75 -24.38	40.60 0.66 -30.46	31.06 0.67 -19.52	24.05 0.64 -11.71	22.73 0.60 -11.31	22.95 0.44 -14.33	23.14 0.40 -15.16	23.76 0.39 -15.64	24.51 0.39 -17.04	25.50 0.39 -17.82	28.48 0.40 -21.13	39.12 0.56 -29.52	42.27 0.81 -29.23	42.96 1.23 -24.84	39.17 1.75 -13.73	32.76 1.59 -10.77	24.68 1.38 -3.54	25.73 0.76 -13.46
E_CANADA_MHWK_HY 24050	7.37 -0.02 0.00	6.22 -0.01 0.00	5.09 -0.01 0.00	5.08 -0.03 0.00	5.93 -0.03 0.00	7.43 -0.05 0.00	9.93 -0.03 0.00	9.44 -0.04 0.00	10.80 -0.06 0.00	11.59 -0.11 0.00	10.70 -0.13 0.00	8.06 -0.12 0.00	7.45 -0.14 0.00	7.56 -0.16 0.00	6.92 -0.16 0.00	7.16 -0.15 0.00	6.84 -0.11 0.00	8.87 -0.17 0.00	12.06 -0.17 0.00	16.72 -0.17 0.00	23.63 -0.05 0.00	20.41 0.02 0.00	19.78 0.02 0.00	11.55 0.05 0.00
E_FISHKILL____LBMP 23776	22.18 0.41 -14.38	18.86 0.34 -12.28	17.70 0.28 -12.31	17.30 0.28 -11.92	17.54 0.33 -11.25	19.84 0.40 -11.95	27.05 0.56 -16.53	30.65 0.55 -20.63	24.80 0.71 -13.24	20.43 0.80 -7.94	19.21 0.73 -7.66	18.44 0.56 -9.71	18.38 0.53 -10.26	18.87 0.55 -10.59	19.12 0.50 -11.54	19.88 0.51 -12.06	21.75 0.49 -14.31	30.10 0.62 -20.43	33.48 0.82 -20.43	34.77 1.06 -16.82	34.45 1.47 -9.30	28.85 1.16 -7.29	23.34 1.19 -2.40	21.30 0.67 -9.13
FALCON____SEABRD_CC1 323796	7.30 -0.09 0.00	6.15 -0.09 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.44 -0.04 0.00	9.85 -0.11 0.00	9.37 -0.10 0.00	10.69 -0.17 0.00	11.56 -0.14 0.00	10.53 -0.30 0.00	5.06 -0.32 2.80	4.20 -0.33 3.05	3.41 -0.38 3.94	3.05 -0.33 3.71	3.05 -0.40 3.85	6.53 -0.42 0.00	8.63 -0.41 0.00	11.87 -0.37 0.00	16.65 -0.24 0.00	23.42 -0.26 0.00	20.29 -0.10 0.00	19.70 -0.06 0.00	11.47 -0.03 0.00
FALCON____SEABRD_CC2 323797	7.30 -0.09 0.00	6.15 -0.09 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.44 -0.04 0.00	9.85 -0.11 0.00	9.37 -0.10 0.00	10.69 -0.17 0.00	11.56 -0.14 0.00	10.53 -0.30 0.00	5.06 -0.32 2.80	4.20 -0.33 3.05	3.41 -0.38 3.94	3.05 -0.33 3.71	3.05 -0.40 3.85	6.53 -0.42 0.00	8.63 -0.41 0.00	11.87 -0.37 0.00	16.65 -0.24 0.00	23.42 -0.26 0.00	20.29 -0.10 0.00	19.70 -0.06 0.00	11.47 -0.03 0.00
FAR ROCKAWAY____4 23548	28.47 0.69 -20.39	20.66 0.57 -13.86	21.54 0.46 -15.98	19.49 0.46 -13.92	20.15 0.54 -13.65	27.04 0.67 -18.89	30.21 0.93 -19.32	30.65 0.87 -20.31	29.37 1.13 -17.38	24.50 1.26 -11.54	25.63 1.13 -13.68	24.78 0.86 -15.74	24.94 0.82 -16.54	25.19 0.84 -16.62	25.39 0.76 -17.55	25.37 0.80 -17.27	26.89 0.76 -19.17	30.85 0.99 -20.82	35.37 1.31 -21.83	37.87 1.72 -19.26	40.05 2.42 -13.95	29.47 1.90 -7.18	28.03 1.92 -6.36	25.70 1.10 -13.08
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	22.04 0.50 -14.15	18.72 0.40 -12.09	17.56 0.34 -12.12	17.16 0.33 -11.73	17.42 0.39 -11.07	19.71 0.46 -11.76	26.92 0.69 -16.27	30.45 0.67 -20.30	24.80 0.91 -13.03	20.54 1.03 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.70 -10.10	18.99 0.71 -10.55	20.97 0.64 -13.24	20.03 0.67 -12.06	21.70 0.65 -14.10	29.97 0.82 -20.11	33.40 1.06 -20.11	34.79 1.35 -16.56	34.73 1.89 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.32 0.83 -8.99
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	22.04 0.50 -14.15	18.73 0.41 -12.09	17.56 0.34 -12.12	17.16 0.33 -11.73	17.42 0.39 -11.07	19.71 0.46 -11.76	26.92 0.69 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.31 0.94 -7.54	18.45 0.72 -9.55	18.38 0.70 -10.10	18.99 0.71 -10.55	20.97 0.64 -13.24	20.03 0.67 -12.06	21.70 0.65 -14.10	29.97 0.82 -20.11	33.40 1.06 -20.11	34.79 1.35 -16.56	34.73 1.89 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.33 0.84 -8.99
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	22.03 0.49 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.38 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.31 0.94 -7.54	18.45 0.72 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	20.96 0.64 -13.24	20.03 0.67 -12.06	21.70 0.65 -14.10	29.97 0.82 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.70 1.87 -9.15	29.00 1.43 -7.18	23.58 1.46 -2.36	21.32 0.83 -8.99

FARRAGUT___LBMP 323566	22.03 0.49 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.71 0.46 -11.76	26.90 0.67 -16.27	30.44 0.66 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.30 0.93 -7.54	18.44 0.71 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	20.96 0.63 -13.24	20.03 0.66 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.68 1.85 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.31 0.82 -8.99
FENNER___WINDPWR 24204	9.32 0.13 -1.79	7.89 0.12 -1.53	6.74 0.10 -1.54	6.69 0.10 -1.49	7.49 0.12 -1.40	9.12 0.14 -1.49	12.27 0.25 -2.06	12.26 0.21 -2.58	12.71 0.20 -1.65	12.85 0.16 -0.99	11.96 0.17 -0.96	9.82 0.13 -1.51	9.30 0.11 -1.61	9.59 0.12 -1.74	9.02 0.10 -1.84	9.34 0.12 -1.92	8.87 0.14 -1.79	11.70 0.14 -2.51	14.93 0.20 -2.50	19.31 0.32 -2.11	25.39 0.55 -1.16	21.74 0.43 -0.91	20.43 0.37 -0.30	12.89 0.24 -1.14
FIBERTEK___ENERGY 23856	9.05 0.03 -1.63	7.65 0.02 -1.39	6.51 0.01 -1.40	6.47 0.02 -1.35	7.26 0.02 -1.28	8.87 0.03 -1.36	11.92 0.08 -1.88	11.88 0.07 -2.34	12.39 0.04 -1.48	12.61 0.02 -0.89	11.74 0.05 -0.86	9.54 0.07 -1.29	9.02 0.05 -1.38	9.26 0.05 -1.48	8.69 0.04 -1.57	9.00 0.06 -1.64	8.64 0.07 -1.62	11.37 0.05 -2.28	14.53 0.04 -2.26	18.82 0.03 -1.90	24.78 0.05 -1.05	21.24 0.02 -0.83	20.03 0.00 -0.27	12.56 0.02 -1.03
FITZPATRICK____ 23598	8.35 -0.18 -1.14	7.05 -0.16 -0.97	5.94 -0.13 -0.97	5.92 -0.13 -0.94	6.70 -0.15 -0.89	8.25 -0.18 -0.94	11.05 -0.22 -1.31	10.88 -0.23 -1.63	11.62 -0.28 -1.05	12.00 -0.33 -0.63	11.17 -0.27 -0.61	8.76 -0.19 -0.77	8.22 -0.17 -0.81	8.39 -0.18 -0.84	7.83 -0.17 -0.92	8.09 -0.17 -0.96	7.93 -0.15 -1.13	10.42 -0.21 -1.59	13.50 -0.32 -1.58	17.76 -0.46 -1.33	23.80 -0.62 -0.74	20.42 -0.55 -0.58	19.39 -0.55 -0.19	11.94 -0.29 -0.72
FLOWRFLD_69_KV_BK1 356044	28.51 0.73 -20.39	20.69 0.60 -13.86	21.58 0.51 -15.98	19.53 0.51 -13.92	20.20 0.59 -13.65	27.11 0.73 -18.89	30.33 1.05 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.80 0.88 -15.74	24.97 0.85 -16.54	25.21 0.87 -16.62	25.48 0.85 -17.55	25.40 0.83 -17.27	26.92 0.80 -19.17	30.99 1.12 -20.82	35.47 1.41 -21.83	38.00 1.86 -19.26	40.27 2.63 -13.96	29.59 2.02 -7.18	28.23 2.11 -6.36	25.79 1.20 -13.08
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	21.96 0.43 -14.14	18.68 0.37 -12.07	17.51 0.30 -12.10	17.12 0.30 -11.72	17.37 0.35 -11.06	19.70 0.46 -11.75	26.80 0.59 -16.25	30.33 0.58 -20.28	24.65 0.78 -13.01	20.36 0.85 -7.80	19.07 0.71 -7.53	18.28 0.56 -9.54	18.22 0.55 -10.09	18.70 0.56 -10.41	18.92 0.49 -11.34	19.68 0.52 -11.86	21.52 0.50 -14.07	29.73 0.66 -20.03	33.14 0.91 -20.00	34.66 1.23 -16.54	34.43 1.61 -9.14	28.87 1.31 -7.17	23.44 1.32 -2.36	21.20 0.71 -8.97
FORT ORANGE____ 23900	24.69 0.34 -16.96	21.01 0.29 -14.48	19.86 0.23 -14.52	19.40 0.23 -14.06	19.50 0.27 -13.27	21.93 0.35 -14.09	29.91 0.45 -19.50	34.20 0.41 -24.32	26.95 0.48 -15.61	21.55 0.49 -9.36	20.31 0.45 -9.03	19.97 0.34 -11.45	20.00 0.31 -12.10	20.54 0.32 -12.49	20.98 0.29 -13.61	21.83 0.31 -14.23	24.12 0.30 -16.87	32.89 0.40 -23.45	35.95 0.55 -23.17	37.52 0.79 -19.84	35.74 1.09 -10.97	29.97 0.98 -8.60	23.49 0.91 -2.83	22.76 0.48 -10.77
FORT_DRUM_COGEN 23780	8.26 0.01 -0.86	7.02 0.04 -0.74	5.87 0.03 -0.74	5.84 0.03 -0.72	6.66 0.02 -0.67	8.20 0.00 -0.72	11.04 0.09 -0.99	10.78 0.06 -1.25	11.70 0.00 -0.84	12.16 -0.05 -0.51	11.23 -0.09 -0.49	10.74 -0.09 -2.65	10.33 -0.13 -2.87	11.15 -0.12 -3.54	10.45 -0.07 -3.43	10.75 -0.12 -3.57	7.67 -0.15 -0.86	10.13 -0.13 -1.22	13.42 -0.01 -1.20	18.06 0.17 -1.01	24.52 0.28 -0.56	21.03 0.20 -0.44	20.08 0.18 -0.14	12.18 0.13 -0.55
FPL_FAR_ROCK_GT1 24212	28.47 0.69 -20.39	20.66 0.57 -13.86	21.54 0.46 -15.98	19.49 0.46 -13.92	20.16 0.54 -13.65	27.04 0.67 -18.89	30.21 0.93 -19.32	30.65 0.87 -20.31	29.37 1.13 -17.38	24.50 1.26 -11.54	25.65 1.14 -13.68	24.78 0.86 -15.74	24.94 0.82 -16.54	25.19 0.84 -16.62	25.39 0.76 -17.55	25.37 0.80 -17.27	26.88 0.76 -19.17	30.86 0.99 -20.82	35.37 1.31 -21.83	37.87 1.72 -19.26	40.00 2.37 -13.95	29.47 1.90 -7.18	28.03 1.92 -6.36	25.70 1.10 -13.08
FPL_FAR_ROCK_GT2 23815	28.47 0.69 -20.39	20.66 0.57 -13.86	21.54 0.46 -15.98	19.49 0.46 -13.92	20.16 0.54 -13.65	27.04 0.67 -18.89	30.21 0.93 -19.32	30.65 0.87 -20.31	29.37 1.13 -17.38	24.50 1.26 -11.54	25.65 1.14 -13.68	24.78 0.86 -15.74	24.94 0.82 -16.54	25.19 0.84 -16.62	25.39 0.76 -17.55	25.37 0.80 -17.27	26.88 0.76 -19.17	30.86 0.99 -20.82	35.37 1.31 -21.83	37.87 1.72 -19.26	40.00 2.37 -13.95	29.47 1.90 -7.18	28.03 1.92 -6.36	25.70 1.10 -13.08
FRANKLIN_FALL_HYD 24054	7.24 -0.15 0.00	6.11 -0.12 0.00	4.98 -0.12 0.00	5.00 -0.10 0.00	5.86 -0.10 0.00	7.37 -0.11 0.00	9.77 -0.19 0.00	9.28 -0.19 0.00	10.60 -0.26 0.00	11.52 -0.18 0.00	10.49 -0.34 0.00	4.33 -0.37 3.48	3.42 -0.36 3.80	2.42 -0.40 4.91	2.11 -0.35 4.62	2.11 -0.40 4.80	6.48 -0.47 0.00	8.55 -0.49 0.00	11.73 -0.50 0.00	16.43 -0.46 0.00	23.21 -0.47 0.00	20.11 -0.29 0.00	19.54 -0.22 0.00	11.37 -0.14 0.00
FREEPORT_EQUS_GT1 23764	28.43 0.64 -20.39	20.62 0.53 -13.86	21.52 0.44 -15.98	19.46 0.43 -13.92	20.12 0.51 -13.65	27.00 0.63 -18.89	30.15 0.87 -19.32	30.60 0.81 -20.31	29.31 1.06 -17.38	24.42 1.18 -11.54	25.57 1.06 -13.68	24.72 0.80 -15.74	24.89 0.77 -16.54	25.14 0.79 -16.62	25.36 0.73 -17.55	25.32 0.75 -17.27	26.84 0.72 -19.17	30.81 0.95 -20.82	35.32 1.26 -21.83	37.80 1.66 -19.26	39.81 2.18 -13.95	29.31 1.73 -7.18	27.91 1.80 -6.36	25.63 1.04 -13.08
FREEPORT___CT2 23818	28.43 0.64 -20.39	20.62 0.53 -13.86	21.52 0.44 -15.98	19.46 0.43 -13.92	20.12 0.51 -13.65	27.00 0.63 -18.89	30.15 0.87 -19.32	30.60 0.81 -20.31	29.31 1.06 -17.38	24.42 1.18 -11.54	25.57 1.06 -13.68	24.72 0.80 -15.74	24.89 0.77 -16.54	25.14 0.79 -16.62	25.36 0.73 -17.55	25.32 0.75 -17.27	26.84 0.72 -19.17	30.81 0.95 -20.82	35.32 1.26 -21.83	37.80 1.66 -19.26	39.81 2.18 -13.95	29.31 1.73 -7.18	27.91 1.80 -6.36	25.63 1.04 -13.08
FRESHKLS_33_KV_LOAD 356253	22.05 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.15 0.32 -11.73	17.41 0.38 -11.07	19.65 0.40 -11.76	26.86 0.63 -16.27	30.35 0.58 -20.30	24.68 0.79 -13.03	20.43 0.91 -7.81	19.21 0.84 -7.54	18.38 0.65 -9.55	18.31 0.62 -10.10	18.92 0.64 -10.55	20.89 0.57 -13.23	19.97 0.61 -12.05	21.64 0.59 -14.10	29.93 0.78 -20.11	33.34 1.00 -20.11	34.71 1.27 -16.56	34.59 1.75 -9.15	28.88 1.31 -7.18	23.44 1.32 -2.36	21.30 0.81 -8.99
FULTON COGEN____ 23766	8.69 -0.07 -1.36	7.34 -0.06 -1.16	6.21 -0.06 -1.17	6.18 -0.05 -1.13	6.98 -0.05 -1.07	8.56 -0.06 -1.13	11.48 -0.05 -1.57	11.37 -0.07 -1.96	12.00 -0.12 -1.26	12.30 -0.15 -0.75	11.46 -0.10 -0.73	9.32 -0.05 -1.20	8.80 -0.06 -1.27	9.06 -0.06 -1.39	8.47 -0.07 -1.46	8.77 -0.05 -1.52	8.28 -0.03 -1.36	10.88 -0.07 -1.91	13.99 -0.13 -1.89	18.31 -0.17 -1.59	24.30 -0.26 -0.88	20.84 -0.24 -0.69	19.73 -0.26 -0.23	12.25 -0.13 -0.87

FULTON___LFGE 323630	28.08 0.69 -20.00	23.85 0.54 -17.08	22.67 0.44 -17.13	22.12 0.44 -16.58	22.14 0.53 -15.64	24.79 0.68 -16.62	34.02 1.07 -22.99	39.15 0.94 -28.73	30.17 0.90 -18.41	23.59 0.85 -11.04	22.26 0.77 -10.66	22.27 0.57 -13.52	22.41 0.53 -14.30	23.02 0.53 -14.76	23.62 0.46 -16.07	24.66 0.55 -16.80	27.44 0.56 -19.93	37.56 0.71 -27.82	40.79 1.03 -27.53	41.94 1.62 -23.43	39.40 2.77 -12.95	32.98 2.43 -10.16	25.15 2.05 -3.34	25.30 1.09 -12.70
G.F.CEMENT___DRP 24184	25.32 0.22 -17.71	21.52 0.16 -15.12	20.40 0.13 -15.16	19.91 0.13 -14.68	19.98 0.17 -13.85	22.42 0.22 -14.72	30.70 0.35 -20.39	35.23 0.31 -25.44	27.49 0.30 -16.33	22.01 0.51 -9.79	20.77 0.50 -9.44	20.52 0.37 -11.97	20.57 0.33 -12.66	21.13 0.33 -13.07	21.64 0.33 -14.23	22.52 0.34 -14.88	24.78 0.18 -17.65	33.82 0.27 -24.51	36.74 0.34 -24.17	38.19 0.59 -20.72	36.13 0.99 -11.45	30.25 0.88 -8.98	23.42 0.71 -2.95	23.07 0.32 -11.24
GARDENVILLE___LBMP 24039	9.86 -0.01 -2.48	8.28 -0.07 -2.12	7.18 -0.05 -2.12	7.12 -0.04 -2.05	7.85 -0.05 -1.94	9.50 -0.04 -2.06	12.70 -0.11 -2.85	12.81 -0.22 -3.55	12.85 -0.30 -2.29	12.73 -0.34 -1.37	12.02 -0.13 -1.32	9.78 -0.07 -1.68	9.34 -0.02 -1.77	9.53 -0.03 -1.83	9.07 -0.01 -2.00	9.37 -0.02 -2.09	9.44 0.02 -2.47	12.57 0.02 -3.51	15.69 -0.02 -3.49	19.57 -0.25 -2.94	24.59 -0.71 -1.62	21.08 -0.59 -1.27	19.62 -0.55 -0.42	13.01 -0.09 -1.59
GARDNVLA_35_KV_LD 355827	9.91 0.02 -2.49	8.32 -0.05 -2.13	7.21 -0.03 -2.14	7.15 -0.02 -2.07	7.89 -0.03 -1.95	9.55 -0.01 -2.07	12.77 -0.06 -2.87	12.89 -0.16 -3.58	12.93 -0.24 -2.31	12.80 -0.28 -1.38	12.09 -0.08 -1.33	9.84 -0.02 -1.69	9.40 0.03 -1.79	9.59 0.02 -1.84	9.12 0.03 -2.01	9.42 0.01 -2.10	9.49 0.06 -2.49	12.64 0.07 -3.52	15.78 0.05 -3.50	19.68 -0.15 -2.95	24.72 -0.59 -1.63	21.18 -0.49 -1.28	19.72 -0.45 -0.42	13.07 -0.03 -1.60
GELCKHM___115KV_LOAD 80723	8.86 -0.02 -1.49	7.48 -0.03 -1.27	6.35 -0.03 -1.28	6.31 -0.03 -1.24	7.11 -0.02 -1.17	8.70 -0.03 -1.24	11.67 0.00 -1.71	11.59 -0.02 -2.14	12.18 -0.04 -1.37	12.45 -0.07 -0.82	11.59 -0.03 -0.79	9.39 0.00 -1.22	8.88 0.00 -1.30	9.13 0.00 -1.40	8.56 -0.01 -1.48	8.86 0.01 -1.55	8.45 0.02 -1.48	11.12 0.00 -2.08	14.25 -0.05 -2.07	18.54 -0.08 -1.74	24.50 -0.14 -0.96	21.01 -0.14 -0.75	19.85 -0.16 -0.25	12.38 -0.07 -0.94
GENERAL___MILLS 23808	9.89 0.01 -2.49	8.31 -0.06 -2.13	7.20 -0.04 -2.13	7.14 -0.03 -2.06	7.88 -0.04 -1.95	9.53 -0.03 -2.07	12.73 -0.09 -2.86	12.86 -0.19 -3.57	12.89 -0.27 -2.30	12.76 -0.32 -1.38	12.05 -0.11 -1.33	9.82 0.01 -1.69	9.37 -0.01 -1.78	9.56 0.01 -1.84	9.10 0.01 -2.00	9.39 -0.01 -2.10	9.46 0.03 -2.48	12.60 0.04 -3.52	15.74 0.01 -3.49	19.61 -0.22 -2.95	24.65 -0.66 -1.63	21.12 -0.55 -1.28	19.66 -0.51 -0.42	13.04 -0.07 -1.60
GE_PLASTICS___DRP 24183	24.66 0.30 -16.98	20.98 0.25 -14.50	19.84 0.20 -14.54	19.38 0.20 -14.07	19.48 0.24 -13.28	21.89 0.30 -14.11	29.84 0.38 -19.50	34.16 0.35 -24.33	26.90 0.42 -15.61	21.51 0.44 -9.36	20.28 0.42 -9.03	19.95 0.32 -11.45	19.99 0.30 -12.11	20.52 0.29 -12.50	20.96 0.27 -13.61	21.82 0.28 -14.23	24.11 0.28 -16.88	32.92 0.35 -23.52	35.99 0.48 -23.28	37.41 0.66 -19.86	35.58 0.92 -10.98	29.82 0.82 -8.61	23.38 0.79 -2.83	22.71 0.43 -10.78
GILBOA___1 23756	21.09 0.24 -13.45	17.92 0.20 -11.49	16.79 0.17 -11.52	16.42 0.17 -11.15	16.68 0.20 -10.52	18.91 0.25 -11.18	25.76 0.33 -15.47	29.08 0.31 -19.30	23.62 0.38 -12.38	19.54 0.41 -7.43	18.38 0.39 -7.16	17.55 0.29 -9.08	17.47 0.28 -9.60	17.92 0.29 -9.91	18.13 0.25 -10.80	18.86 0.27 -11.29	20.60 0.26 -13.39	28.16 0.31 -18.81	31.31 0.40 -18.67	33.16 0.54 -15.74	33.12 0.73 -8.70	27.89 0.67 -6.82	22.65 0.65 -2.24	20.43 0.38 -8.54
GILBOA___2 23757	21.09 0.24 -13.45	17.92 0.20 -11.49	16.79 0.17 -11.52	16.42 0.17 -11.15	16.68 0.20 -10.52	18.91 0.25 -11.18	25.76 0.33 -15.47	29.08 0.31 -19.30	23.62 0.38 -12.38	19.54 0.41 -7.43	18.38 0.39 -7.16	17.55 0.29 -9.08	17.47 0.28 -9.60	17.92 0.29 -9.91	18.13 0.25 -10.80	18.86 0.27 -11.29	20.60 0.26 -13.39	28.16 0.31 -18.81	31.31 0.40 -18.67	33.16 0.54 -15.74	33.12 0.73 -8.70	27.89 0.67 -6.82	22.65 0.65 -2.24	20.43 0.38 -8.54
GILBOA___3 23758	21.09 0.24 -13.45	17.92 0.20 -11.49	16.79 0.17 -11.52	16.42 0.17 -11.15	16.68 0.20 -10.52	18.91 0.25 -11.18	25.76 0.33 -15.47	29.08 0.31 -19.30	23.62 0.38 -12.38	19.54 0.41 -7.43	18.38 0.39 -7.16	17.55 0.29 -9.08	17.47 0.28 -9.60	17.92 0.29 -9.91	18.13 0.25 -10.80	18.86 0.27 -11.29	20.60 0.26 -13.39	28.16 0.31 -18.81	31.31 0.40 -18.67	33.16 0.54 -15.74	33.12 0.73 -8.70	27.89 0.67 -6.82	22.65 0.65 -2.24	20.43 0.38 -8.54
GILBOA___4 23759	21.09 0.24 -13.45	17.92 0.20 -11.49	16.79 0.17 -11.52	16.42 0.17 -11.15	16.68 0.20 -10.52	18.91 0.25 -11.18	25.76 0.33 -15.47	29.08 0.31 -19.30	23.62 0.38 -12.38	19.54 0.41 -7.43	18.38 0.39 -7.16	17.55 0.29 -9.08	17.47 0.28 -9.60	17.92 0.29 -9.91	18.13 0.25 -10.80	18.86 0.27 -11.29	20.60 0.26 -13.39	28.16 0.31 -18.81	31.31 0.40 -18.67	33.16 0.54 -15.74	33.12 0.73 -8.70	27.89 0.67 -6.82	22.65 0.65 -2.24	20.43 0.38 -8.54
GILBOA___ 23599	21.09 0.24 -13.45	17.92 0.20 -11.49	16.79 0.17 -11.52	16.42 0.17 -11.15	16.68 0.20 -10.52	18.91 0.25 -11.18	25.75 0.33 -15.47	29.08 0.31 -19.30	23.62 0.38 -12.38	19.54 0.41 -7.43	18.38 0.39 -7.16	17.55 0.29 -9.08	17.47 0.28 -9.60	17.92 0.29 -9.91	18.13 0.26 -10.79	18.86 0.27 -11.29	20.60 0.26 -13.39	28.16 0.31 -18.81	31.32 0.42 -18.67	33.18 0.56 -15.74	33.14 0.76 -8.70	27.89 0.67 -6.82	22.67 0.67 -2.24	20.43 0.38 -8.54
GINNA___ 23603	8.91 -0.30 -1.82	7.50 -0.29 -1.55	6.42 -0.24 -1.56	6.38 -0.23 -1.51	7.12 -0.27 -1.42	8.69 -0.31 -1.51	11.65 -0.41 -2.09	11.67 -0.42 -2.61	12.03 -0.51 -1.68	12.12 -0.58 -1.01	11.34 -0.47 -0.98	9.09 -0.33 -1.24	8.60 -0.29 -1.31	8.78 -0.30 -1.35	8.29 -0.27 -1.47	8.56 -0.28 -1.54	8.50 -0.26 -1.81	11.27 -0.32 -2.55	14.29 -0.49 -2.54	18.27 -0.76 -2.14	23.75 -1.11 -1.19	20.30 -1.02 -0.93	19.05 -1.01 -0.31	12.16 -0.51 -1.16
GLEN PARK___ 23778	8.31 0.03 -0.89	7.07 0.07 -0.76	5.91 0.05 -0.76	5.89 0.05 -0.74	6.71 0.05 -0.70	8.26 0.03 -0.74	11.13 0.14 -1.03	10.87 0.10 -1.29	11.73 0.04 -0.82	12.18 -0.01 -0.49	11.29 -0.04 -0.50	10.68 -0.07 -2.57	10.26 -0.11 -2.78	11.05 -0.09 -3.41	10.35 -0.05 -3.32	10.65 -0.10 -3.45	7.76 -0.08 -0.89	10.20 -0.10 -1.26	13.54 0.00 -1.31	18.19 0.20 -1.10	24.72 0.43 -0.61	21.18 0.31 -0.48	20.17 0.26 -0.16	12.25 0.17 -0.57
GLENDALE_27_KV_LOAD 356172	22.05 0.50 -14.15	18.73 0.41 -12.09	17.56 0.34 -12.12	17.17 0.34 -11.73	17.43 0.39 -11.07	19.71 0.46 -11.76	26.93 0.70 -16.27	30.47 0.69 -20.30	24.82 0.93 -13.03	20.57 1.05 -7.81	19.35 0.99 -7.54	18.48 0.74 -9.55	18.41 0.72 -10.10	19.02 0.74 -10.55	21.04 0.66 -13.30	20.06 0.69 -12.06	21.72 0.67 -14.10	30.01 0.86 -20.11	33.45 1.11 -20.11	34.86 1.42 -16.56	34.78 1.94 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.34 0.85 -8.99

GLENWOOD_IC_1_G5 23712	28.36 0.58 -20.39	20.57 0.47 -13.86	21.47 0.39 -15.98	19.41 0.39 -13.92	20.07 0.45 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.54 0.76 -20.31	29.23 0.99 -17.38	24.34 1.10 -11.54	25.53 1.02 -13.68	24.69 0.77 -15.74	24.87 0.74 -16.54	25.11 0.77 -16.62	25.33 0.70 -17.55	25.29 0.72 -17.27	26.81 0.69 -19.17	30.76 0.90 -20.82	35.13 1.06 -21.83	37.51 1.37 -19.26	39.55 1.92 -13.95	29.21 1.63 -7.18	27.78 1.66 -6.36	25.53 0.94 -13.08
GLENWOOD_IC_2_G1 23688	28.32 0.53 -20.39	20.54 0.44 -13.86	21.44 0.36 -15.98	19.38 0.36 -13.92	20.04 0.42 -13.65	26.89 0.52 -18.89	30.02 0.74 -19.32	30.49 0.71 -20.31	29.17 0.92 -17.38	24.27 1.03 -11.54	25.47 0.96 -13.68	24.64 0.72 -15.74	24.82 0.70 -16.54	25.06 0.71 -16.62	25.28 0.65 -17.55	25.25 0.67 -17.27	26.77 0.65 -19.17	30.70 0.83 -20.82	35.15 1.09 -21.83	37.56 1.42 -19.26	39.53 1.90 -13.95	29.11 1.53 -7.18	27.66 1.54 -6.36	25.47 0.87 -13.08
GLENWOOD_IC_3_G1 23689	28.32 0.53 -20.39	20.54 0.44 -13.86	21.44 0.36 -15.98	19.38 0.36 -13.92	20.04 0.42 -13.65	26.89 0.52 -18.89	30.02 0.74 -19.32	30.49 0.71 -20.31	29.17 0.92 -17.38	24.27 1.03 -11.54	25.47 0.96 -13.68	24.64 0.72 -15.74	24.82 0.70 -16.54	25.06 0.71 -16.62	25.28 0.65 -17.55	25.25 0.67 -17.27	26.77 0.65 -19.17	30.70 0.83 -20.82	35.15 1.09 -21.83	37.56 1.42 -19.26	39.53 1.90 -13.95	29.11 1.53 -7.18	27.66 1.54 -6.36	25.47 0.87 -13.08
GLENWOOD___4 23550	28.36 0.58 -20.39	20.57 0.47 -13.86	21.47 0.39 -15.98	19.41 0.39 -13.92	20.07 0.45 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.54 0.76 -20.31	29.23 0.99 -17.38	24.34 1.10 -11.54	25.53 1.02 -13.68	24.69 0.77 -15.74	24.87 0.74 -16.54	25.11 0.77 -16.62	25.33 0.70 -17.55	25.29 0.72 -17.27	26.81 0.69 -19.17	30.76 0.90 -20.82	35.16 1.10 -21.83	37.56 1.42 -19.26	39.62 1.99 -13.95	29.21 1.63 -7.18	27.78 1.66 -6.36	25.53 0.94 -13.08
GLENWOOD___5 23614	28.36 0.58 -20.39	20.57 0.47 -13.86	21.47 0.39 -15.98	19.41 0.39 -13.92	20.07 0.45 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.54 0.76 -20.31	29.23 0.99 -17.38	24.34 1.10 -11.54	25.53 1.02 -13.68	24.69 0.77 -15.74	24.87 0.74 -16.54	25.11 0.77 -16.62	25.33 0.70 -17.55	25.29 0.72 -17.27	26.81 0.69 -19.17	30.76 0.90 -20.82	35.16 1.10 -21.83	37.56 1.42 -19.26	39.62 1.99 -13.95	29.21 1.63 -7.18	27.78 1.66 -6.36	25.53 0.94 -13.08
GLOBAL GREEN_PORT_GT1 23814	28.72 0.94 -20.39	20.87 0.77 -13.86	21.73 0.65 -15.98	19.66 0.64 -13.92	20.36 0.75 -13.65	27.31 0.94 -18.89	30.62 1.34 -19.32	30.99 1.21 -20.31	29.78 1.53 -17.38	24.88 1.64 -11.54	25.96 1.45 -13.68	24.99 1.07 -15.74	25.15 1.02 -16.54	25.39 1.04 -16.62	25.69 1.06 -17.55	25.58 1.00 -17.27	27.09 0.97 -19.17	31.30 1.44 -20.82	35.95 1.88 -21.83	38.66 2.52 -19.26	40.88 3.24 -13.96	30.17 2.59 -7.18	28.76 2.65 -6.36	26.09 1.50 -13.08
GLOBE___DSASP 323697	9.50 -0.20 -2.31	7.98 -0.23 -1.97	6.90 -0.18 -1.98	6.85 -0.17 -1.91	7.56 -0.21 -1.81	9.16 -0.25 -1.92	12.22 -0.40 -2.66	12.24 -0.53 -3.30	12.35 -0.64 -2.14	12.28 -0.70 -1.28	11.61 -0.45 -1.24	9.43 -0.32 -1.57	9.00 -0.24 -1.65	9.16 -0.28 -1.71	8.73 -0.21 -1.86	9.01 -0.23 -1.95	9.06 -0.17 -2.28	12.02 -0.26 -3.24	15.01 -0.44 -3.22	18.72 -0.88 -2.71	23.58 -1.61 -1.51	20.25 -1.33 -1.18	18.92 -1.22 -0.39	12.53 -0.46 -1.48
GOETHSLN___LBMP 323567	22.00 0.46 -14.15	18.70 0.37 -12.09	17.54 0.32 -12.12	17.14 0.31 -11.73	17.40 0.36 -11.07	19.68 0.43 -11.76	26.87 0.64 -16.27	30.40 0.63 -20.30	24.78 0.89 -13.03	20.52 1.01 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	20.96 0.63 -13.24	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.37 1.03 -20.11	34.71 1.27 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
GOLAH___69_KV_TB 1_2 80279	9.39 0.12 -1.88	7.88 0.04 -1.60	6.75 0.04 -1.61	6.71 0.06 -1.56	7.50 0.07 -1.47	9.17 0.13 -1.56	12.26 0.14 -2.16	12.24 0.08 -2.69	12.61 0.01 -1.74	12.70 -0.05 -1.04	11.88 0.04 -1.01	9.51 0.06 -1.28	9.00 0.07 -1.35	9.18 0.06 -1.39	8.66 0.06 -1.52	8.95 0.06 -1.59	8.89 0.06 -1.88	11.80 0.12 -2.65	15.01 0.15 -2.63	19.22 0.12 -2.21	24.88 -0.02 -1.22	21.35 0.00 -0.96	20.07 0.00 -0.32	12.84 0.13 -1.20
GOODYEAR_LAKE_HYD 323669	11.01 0.29 -3.33	9.33 0.26 -2.84	8.16 0.21 -2.85	8.07 0.21 -2.76	8.82 0.25 -2.60	10.56 0.31 -2.77	14.27 0.48 -3.84	14.70 0.44 -4.79	14.41 0.48 -3.07	14.02 0.48 -1.84	13.05 0.44 -1.78	10.77 0.34 -2.25	10.26 0.30 -2.38	10.50 0.31 -2.46	10.06 0.30 -2.68	10.40 0.29 -2.80	10.56 0.29 -3.32	14.08 0.38 -4.66	17.39 0.54 -4.62	21.57 0.79 -3.89	26.92 1.09 -2.15	23.00 0.92 -1.69	21.14 0.83 -0.56	14.11 0.49 -2.11
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	11.97 0.16 -4.42	10.13 0.12 -3.78	8.99 0.10 -3.79	8.87 0.10 -3.67	9.55 0.13 -3.46	11.32 0.16 -3.68	15.28 0.23 -5.09	16.01 0.19 -6.35	15.12 0.18 -4.08	14.32 0.18 -2.45	13.38 0.19 -2.36	11.34 0.17 -2.99	10.91 0.17 -3.16	11.15 0.16 -3.26	10.79 0.15 -3.55	11.19 0.17 -3.72	11.53 0.18 -4.41	15.43 0.21 -6.18	18.62 0.26 -6.13	22.38 0.32 -5.17	26.89 0.36 -2.86	22.94 0.31 -2.24	20.77 0.28 -0.74	14.53 0.22 -2.81
GOUDEY___7 23579	11.98 0.16 -4.42	10.14 0.12 -3.78	8.99 0.10 -3.79	8.88 0.11 -3.67	9.56 0.13 -3.46	11.33 0.16 -3.68	15.30 0.25 -5.09	16.02 0.20 -6.35	15.14 0.21 -4.08	14.33 0.19 -2.45	13.40 0.22 -2.36	11.35 0.18 -2.99	10.92 0.17 -3.16	11.17 0.18 -3.26	10.79 0.16 -3.55	11.19 0.18 -3.72	11.55 0.19 -4.41	15.44 0.22 -6.18	18.64 0.27 -6.13	22.39 0.34 -5.17	26.92 0.38 -2.86	22.96 0.33 -2.24	20.79 0.30 -0.74	14.54 0.23 -2.81
GOUDEY___8 23580	11.97 0.16 -4.42	10.13 0.12 -3.78	8.99 0.10 -3.79	8.87 0.10 -3.67	9.55 0.13 -3.46	11.32 0.16 -3.68	15.28 0.23 -5.09	16.01 0.19 -6.35	15.12 0.18 -4.08	14.32 0.18 -2.45	13.38 0.19 -2.36	11.34 0.17 -2.99	10.91 0.17 -3.16	11.15 0.16 -3.26	10.79 0.15 -3.55	11.19 0.17 -3.72	11.53 0.18 -4.41	15.43 0.21 -6.18	18.62 0.26 -6.13	22.38 0.32 -5.17	26.89 0.36 -2.86	22.94 0.31 -2.24	20.77 0.28 -0.74	14.53 0.22 -2.81
GOWANUS_GT1_1 24077	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT1_2 24078	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99

GOWANUS_GT1_3 24079	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT1_4 24080	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT1_5 24084	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT1_6 24111	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT1_7 24112	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT1_8 24113	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_1 24114	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_2 24115	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_3 24116	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_4 24117	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_5 24118	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_6 24119	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_7 24120	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT2_8 24121	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT3_1 24122	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99

GOWANUS_GT3_2 24123	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT3_3 24124	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT3_4 24125	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT3_5 24126	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT3_6 24127	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT3_7 24128	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT3_8 24129	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_1 24130	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_2 24131	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_3 24132	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_4 24133	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_5 24134	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_6 24135	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_7 24136	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GOWANUS_GT4_8 24137	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99

GREENBSH_115KV_TB3 55895	24.77 0.33 -17.05	21.07 0.27 -14.56	19.92 0.22 -14.60	19.46 0.22 -14.13	19.56 0.26 -13.33	21.98 0.33 -14.17	29.98 0.43 -19.59	34.31 0.39 -24.45	27.02 0.47 -15.69	21.59 0.48 -9.41	20.37 0.47 -9.07	20.04 0.35 -11.51	20.07 0.32 -12.16	20.61 0.32 -12.56	21.06 0.30 -13.68	21.91 0.31 -14.30	24.21 0.30 -16.96	32.99 0.39 -23.56	36.01 0.51 -23.27	37.55 0.73 -19.94	35.75 1.04 -11.02	29.96 0.92 -8.65	23.45 0.85 -2.84	22.79 0.46 -10.82
GREENDGE_115KV_TB5 80291	10.44 0.27 -2.78	8.82 0.21 -2.37	7.65 0.17 -2.38	7.58 0.18 -2.30	8.36 0.23 -2.17	10.10 0.31 -2.31	13.63 0.48 -3.20	13.88 0.42 -3.99	13.82 0.39 -2.57	13.59 0.35 -1.54	12.69 0.38 -1.49	10.36 0.30 -1.88	9.85 0.28 -1.99	10.05 0.27 -2.05	9.55 0.23 -2.24	9.91 0.27 -2.34	10.02 0.30 -2.77	13.29 0.35 -3.89	16.54 0.44 -3.86	20.73 0.59 -3.26	26.29 0.81 -1.80	22.46 0.65 -1.41	20.77 0.55 -0.46	13.65 0.38 -1.77
GREENIDGE___3 23582	10.44 0.27 -2.78	8.82 0.21 -2.37	7.65 0.17 -2.38	7.58 0.18 -2.30	8.36 0.23 -2.17	10.10 0.31 -2.31	13.63 0.48 -3.20	13.88 0.42 -3.99	13.82 0.39 -2.57	13.59 0.35 -1.54	12.69 0.38 -1.49	10.36 0.30 -1.88	9.85 0.28 -1.99	10.05 0.27 -2.05	9.55 0.23 -2.24	9.91 0.27 -2.34	10.02 0.30 -2.77	13.29 0.35 -3.89	16.54 0.44 -3.86	20.73 0.59 -3.26	26.29 0.81 -1.80	22.46 0.65 -1.41	20.77 0.55 -0.46	13.65 0.38 -1.77
GREENIDGE___4 23583	10.44 0.27 -2.78	8.82 0.21 -2.37	7.65 0.17 -2.38	7.58 0.18 -2.30	8.36 0.23 -2.17	10.10 0.31 -2.31	13.63 0.48 -3.20	13.88 0.42 -3.99	13.81 0.39 -2.56	13.58 0.35 -1.53	12.68 0.37 -1.49	10.36 0.30 -1.88	9.86 0.28 -1.99	10.05 0.27 -2.06	9.55 0.23 -2.24	9.91 0.27 -2.34	9.99 0.28 -2.77	13.28 0.35 -3.89	16.50 0.39 -3.87	20.67 0.52 -3.26	26.34 0.85 -1.80	22.46 0.65 -1.42	20.77 0.55 -0.47	13.65 0.38 -1.76
GREENLWN_69_KV_BK 3 55738	28.49 0.70 -20.39	20.67 0.58 -13.86	21.56 0.48 -15.98	19.50 0.47 -13.92	20.17 0.56 -13.65	27.06 0.69 -18.89	30.25 0.97 -19.32	30.68 0.90 -20.31	29.42 1.17 -17.38	24.53 1.29 -11.54	25.66 1.15 -13.68	24.79 0.88 -15.74	24.96 0.84 -16.54	25.21 0.86 -16.62	25.43 0.80 -17.55	25.39 0.81 -17.27	26.91 0.79 -19.17	30.90 1.03 -20.83	35.39 1.32 -21.83	37.89 1.74 -19.26	40.07 2.44 -13.95	29.49 1.92 -7.18	28.11 2.00 -6.36	25.74 1.15 -13.08
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.81 1.37 -16.56	34.73 1.89 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
GRISSOM___SOLAR 323813	28.08 0.69 -20.00	23.85 0.54 -17.08	22.67 0.44 -17.13	22.12 0.44 -16.58	22.14 0.53 -15.64	24.79 0.68 -16.62	34.02 1.07 -22.99	39.15 0.94 -28.73	30.17 0.90 -18.41	23.59 0.85 -11.04	22.26 0.77 -10.66	22.27 0.57 -13.52	22.41 0.53 -14.30	23.02 0.53 -14.76	23.62 0.46 -16.07	24.66 0.55 -16.80	27.44 0.56 -19.93	37.56 0.71 -27.82	40.79 1.03 -27.53	41.94 1.62 -23.43	39.40 2.77 -12.95	32.98 2.43 -10.16	25.15 2.05 -3.34	25.30 1.09 -12.70
GROVEVILLE___HYD 323602	21.96 0.43 -14.14	18.68 0.37 -12.07	17.51 0.30 -12.10	17.12 0.30 -11.72	17.37 0.35 -11.06	19.70 0.46 -11.75	26.80 0.59 -16.25	30.33 0.58 -20.28	24.65 0.78 -13.01	20.36 0.85 -7.80	19.07 0.71 -7.53	18.28 0.56 -9.54	18.22 0.55 -10.09	18.70 0.56 -10.41	18.92 0.49 -11.34	19.68 0.52 -11.86	21.52 0.50 -14.07	29.73 0.66 -20.03	33.14 0.91 -20.00	34.66 1.23 -16.54	34.43 1.61 -9.14	28.87 1.31 -7.17	23.44 1.32 -2.36	21.20 0.71 -8.97
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	9.05 0.03 -1.63	7.65 0.02 -1.39	6.51 0.01 -1.40	6.47 0.02 -1.35	7.26 0.02 -1.28	8.87 0.03 -1.36	11.92 0.08 -1.88	11.88 0.07 -2.34	12.39 0.04 -1.48	12.61 0.02 -0.89	11.74 0.05 -0.86	9.54 0.07 -1.29	9.02 0.05 -1.38	9.26 0.05 -1.48	8.69 0.04 -1.57	9.00 0.06 -1.64	8.64 0.07 -1.62	11.37 0.05 -2.28	14.53 0.04 -2.26	18.82 0.03 -1.90	24.78 0.05 -1.05	21.24 0.02 -0.83	20.03 0.00 -0.27	12.56 0.02 -1.03
HAMLTNNY_34_KV_TB 80303	9.15 0.04 -1.72	7.73 0.03 -1.47	6.59 0.02 -1.47	6.55 0.03 -1.42	7.34 0.04 -1.34	8.97 0.05 -1.43	12.05 0.11 -1.98	12.02 0.09 -2.47	12.50 0.05 -1.58	12.68 0.04 -0.95	11.81 0.06 -0.92	9.59 0.07 -1.34	9.07 0.07 -1.42	9.31 0.06 -1.52	8.76 0.06 -1.61	9.05 0.07 -1.69	8.73 0.08 -1.70	11.52 0.09 -2.39	14.65 0.05 -2.37	18.95 0.07 -2.00	24.88 0.09 -1.10	21.32 0.06 -0.87	20.06 0.02 -0.28	12.64 0.05 -1.08
HAMPSHIRE___PAPER_HYD 323593	7.70 -0.14 -0.45	6.54 -0.09 -0.39	5.41 -0.08 -0.39	5.40 -0.08 -0.38	6.21 -0.11 -0.35	7.72 -0.14 -0.38	10.30 -0.18 -0.52	9.93 -0.22 -0.67	10.97 -0.30 -0.42	11.70 -0.25 -0.25	10.77 -0.30 -0.25	-1.57 -0.29 9.46	-3.05 -0.30 10.33	-6.00 -0.24 13.43	-5.74 -0.23 12.59	-5.99 -0.36 13.06	7.06 -0.36 -0.47	9.26 -0.44 -0.66	12.43 -0.45 -0.65	16.96 -0.47 -0.55	23.53 -0.45 -0.30	20.26 -0.37 -0.24	19.62 -0.22 -0.08	11.67 -0.13 -0.29
HARDSCRABBLE_WT_PWR 323673	7.36 -0.03 0.00	6.22 -0.02 0.00	5.09 -0.02 0.00	5.07 -0.03 0.00	5.92 -0.04 0.00	7.43 -0.06 0.00	9.92 -0.04 0.00	9.43 -0.05 0.00	10.78 -0.08 0.00	11.57 -0.13 0.00	10.68 -0.15 0.00	8.03 -0.15 0.00	7.42 -0.17 0.00	7.54 -0.19 0.00	6.91 -0.18 0.00	7.13 -0.18 0.00	6.82 -0.13 0.00	8.86 -0.18 0.00	12.04 -0.20 0.00	16.72 -0.17 0.00	23.61 -0.07 0.00	20.39 0.00 0.00	19.78 0.02 0.00	11.55 0.05 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	21.14 0.42 -13.33	17.97 0.36 -11.38	16.81 0.30 -11.41	16.44 0.29 -11.05	16.73 0.34 -10.42	19.00 0.44 -11.07	25.86 0.58 -15.32	29.16 0.57 -19.12	23.90 0.77 -12.27	19.91 0.85 -7.36	18.66 0.74 -7.09	17.75 0.57 -9.00	17.65 0.55 -9.51	18.11 0.56 -9.82	18.27 0.50 -10.69	19.01 0.53 -11.18	20.72 0.51 -13.26	28.62 0.66 -18.92	32.05 0.91 -18.91	33.69 1.22 -15.59	33.88 1.59 -8.62	28.44 1.28 -6.76	23.26 1.28 -2.22	20.68 0.71 -8.46
HARSNRAD_115KV_TB1 81005	9.61 -0.07 -2.29	8.06 -0.12 -1.95	6.98 -0.08 -1.96	6.93 -0.07 -1.90	7.65 -0.10 -1.79	9.28 -0.11 -1.90	12.36 -0.23 -2.63	12.39 -0.36 -3.28	12.53 -0.45 -2.11	12.46 -0.50 -1.27	11.78 -0.27 -1.22	9.55 -0.18 -1.55	9.11 -0.11 -1.64	9.29 -0.13 -1.69	8.83 -0.10 -1.84	9.11 -0.12 -1.92	9.16 -0.07 -2.28	12.15 -0.12 -3.22	15.21 -0.22 -3.20	19.03 -0.56 -2.70	24.01 -1.16 -1.49	20.63 -0.94 -1.17	19.27 -0.87 -0.38	12.72 -0.25 -1.46
HARZA MOOSE___RIVER 24016	8.02 0.06 -0.57	6.80 0.07 -0.49	5.65 0.06 -0.49	5.63 0.06 -0.48	6.45 0.04 -0.45	8.00 0.04 -0.48	10.74 0.12 -0.66	10.38 0.08 -0.83	11.48 0.05 -0.56	12.05 0.01 -0.34	11.14 -0.01 -0.33	9.95 -0.03 -1.80	9.48 -0.06 -1.96	10.09 -0.05 -2.41	9.39 -0.03 -2.34	9.70 -0.03 -2.43	7.47 -0.06 -0.58	9.83 -0.02 -0.81	13.13 0.10 -0.80	17.81 0.25 -0.67	24.45 0.40 -0.37	20.99 0.31 -0.29	20.13 0.28 -0.10	12.06 0.18 -0.36

HDSNBRDG_115KV_BRDG_TB1 355580	8.87 -0.01 -1.49	7.49 -0.02 -1.27	6.36 -0.02 -1.28	6.32 -0.02 -1.24	7.11 -0.02 -1.17	8.71 -0.01 -1.24	11.69 0.01 -1.72	11.62 0.00 -2.14	12.20 -0.03 -1.38	12.47 -0.06 -0.82	11.61 -0.01 -0.80	9.42 0.02 -1.22	8.91 0.02 -1.30	9.15 0.02 -1.40	8.58 0.01 -1.49	8.88 0.02 -1.55	8.47 0.03 -1.48	11.15 0.02 -2.09	14.28 -0.02 -2.07	18.58 -0.05 -1.74	24.55 -0.09 -0.96	21.05 -0.10 -0.76	19.89 -0.12 -0.25	12.41 -0.05 -0.95
HELLGATE_13_KV_LD 55870	22.02 0.47 -14.15	18.71 0.39 -12.09	17.54 0.32 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.28 0.92 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.94 0.80 -20.11	33.38 1.04 -20.11	34.74 1.30 -16.56	34.63 1.80 -9.15	28.92 1.35 -7.18	23.48 1.36 -2.36	21.29 0.79 -8.99
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.02 0.47 -14.15	18.71 0.39 -12.09	17.54 0.32 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.67 0.42 -11.76	26.87 0.64 -16.27	30.41 0.63 -20.30	24.76 0.87 -13.03	20.51 0.99 -7.81	19.28 0.92 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.00 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.94 0.80 -20.11	33.38 1.04 -20.11	34.74 1.30 -16.56	34.63 1.80 -9.15	28.92 1.35 -7.18	23.48 1.36 -2.36	21.29 0.79 -8.99
HEMPSTEAD____ 23647	28.37 0.58 -20.39	20.58 0.48 -13.86	21.48 0.40 -15.98	19.42 0.39 -13.92	20.07 0.46 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.53 0.75 -20.31	29.23 0.99 -17.38	24.34 1.10 -11.54	25.50 1.00 -13.68	24.67 0.75 -15.74	24.84 0.72 -16.54	25.09 0.74 -16.62	25.32 0.69 -17.55	25.28 0.70 -17.27	26.79 0.67 -19.17	30.75 0.89 -20.82	35.21 1.15 -21.83	37.65 1.50 -19.26	39.60 1.96 -13.95	29.17 1.59 -7.18	27.75 1.64 -6.36	25.53 0.94 -13.08
HEWLETT_69_KV_BK3 55828	28.44 0.66 -20.39	20.64 0.54 -13.86	21.53 0.45 -15.98	19.47 0.44 -13.92	20.13 0.52 -13.65	27.01 0.64 -18.89	30.17 0.89 -19.32	30.61 0.83 -20.31	29.33 1.09 -17.38	24.46 1.22 -11.54	25.59 1.08 -13.68	24.74 0.83 -15.74	24.91 0.79 -16.54	25.16 0.81 -16.62	25.36 0.73 -17.55	25.34 0.77 -17.27	26.86 0.74 -19.17	30.80 0.94 -20.82	35.31 1.25 -21.83	37.78 1.64 -19.26	39.93 2.30 -13.95	29.37 1.79 -7.18	27.95 1.84 -6.36	25.65 1.06 -13.08
HICKLING___1 23621	11.21 0.26 -3.56	9.48 0.20 -3.04	8.31 0.16 -3.05	8.22 0.17 -2.95	8.96 0.21 -2.78	10.71 0.26 -2.96	14.43 0.38 -4.09	14.89 0.30 -5.11	14.43 0.28 -3.28	13.93 0.26 -1.97	13.06 0.34 -1.90	10.86 0.28 -2.41	10.40 0.27 -2.55	10.62 0.26 -2.63	10.20 0.26 -2.86	10.56 0.26 -2.99	10.79 0.29 -3.55	14.38 0.36 -4.98	17.56 0.39 -4.94	21.52 0.47 -4.16	26.50 0.52 -2.30	22.63 0.43 -1.81	20.74 0.40 -0.59	14.10 0.33 -2.26
HICKLING___2 23622	11.21 0.26 -3.56	9.48 0.20 -3.04	8.31 0.16 -3.05	8.22 0.17 -2.95	8.96 0.21 -2.78	10.71 0.26 -2.96	14.43 0.38 -4.09	14.89 0.30 -5.11	14.43 0.28 -3.28	13.93 0.26 -1.97	13.06 0.34 -1.90	10.86 0.28 -2.41	10.40 0.27 -2.55	10.62 0.26 -2.63	10.20 0.26 -2.86	10.56 0.26 -2.99	10.79 0.29 -3.55	14.38 0.36 -4.98	17.56 0.39 -4.94	21.52 0.47 -4.16	26.50 0.52 -2.30	22.63 0.43 -1.81	20.74 0.40 -0.59	14.10 0.33 -2.26
HIGH FALLS___HY 23754	21.37 0.38 -13.59	18.19 0.34 -11.61	17.02 0.28 -11.64	16.64 0.27 -11.27	16.92 0.32 -10.63	19.22 0.43 -11.29	26.12 0.54 -15.62	29.51 0.54 -19.49	24.15 0.78 -12.51	20.04 0.84 -7.50	18.76 0.69 -7.23	17.90 0.55 -9.17	17.81 0.53 -9.70	18.29 0.55 -10.01	18.46 0.47 -10.90	19.21 0.51 -11.40	20.97 0.50 -13.52	28.85 0.63 -19.18	32.26 0.91 -19.13	34.02 1.23 -15.90	34.03 1.56 -8.79	28.51 1.22 -6.89	23.29 1.26 -2.27	20.83 0.69 -8.63
HILLBURN___GT 23639	21.38 0.44 -13.54	18.17 0.37 -11.56	17.00 0.31 -11.60	16.63 0.30 -11.22	16.91 0.36 -10.59	19.18 0.44 -11.25	26.15 0.62 -15.57	29.51 0.61 -19.43	24.13 0.80 -12.47	20.06 0.89 -7.48	18.85 0.81 -7.21	17.93 0.61 -9.14	17.84 0.59 -9.67	18.31 0.61 -9.98	18.48 0.53 -10.87	19.23 0.57 -11.36	20.98 0.56 -13.48	28.97 0.70 -19.23	32.37 0.92 -19.22	33.91 1.18 -15.84	34.07 1.63 -8.76	28.59 1.32 -6.87	23.34 1.32 -2.26	20.84 0.74 -8.60
HILLSIDE_115KV_TB1 80332	11.20 0.14 -3.67	9.47 0.10 -3.13	8.32 0.08 -3.14	8.23 0.09 -3.04	8.94 0.11 -2.87	10.67 0.13 -3.05	14.37 0.20 -4.22	14.87 0.13 -5.26	14.36 0.12 -3.38	13.81 0.08 -2.03	12.94 0.15 -1.96	10.79 0.13 -2.48	10.35 0.14 -2.62	10.57 0.14 -2.70	10.16 0.13 -2.95	10.52 0.14 -3.08	10.77 0.17 -3.65	14.35 0.19 -5.12	17.52 0.21 -5.08	21.37 0.20 -4.28	26.19 0.14 -2.37	22.35 0.10 -1.86	20.45 0.08 -0.61	13.99 0.16 -2.32
HISHELDN_WT_PWR 323625	10.06 -0.01 -2.68	8.46 -0.06 -2.29	7.35 -0.04 -2.29	7.29 -0.03 -2.22	8.02 -0.04 -2.10	9.67 -0.04 -2.23	12.95 -0.09 -3.08	13.12 -0.20 -3.84	13.05 -0.27 -2.47	12.85 -0.33 -1.48	12.11 -0.15 -1.43	9.92 -0.07 -1.81	9.48 -0.02 -1.92	9.67 -0.04 -1.98	9.23 -0.01 -2.16	9.54 -0.02 -2.25	9.59 -0.03 -2.67	12.80 0.02 -3.75	15.91 -0.05 -3.73	19.76 -0.27 -3.14	24.85 -0.57 -1.74	21.23 -0.53 -1.36	19.71 -0.49 -0.45	13.13 -0.08 -1.70
HOLTSVILLE_IC_1 23690	28.45 0.67 -20.39	20.64 0.55 -13.86	21.55 0.47 -15.98	19.49 0.46 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.65 0.87 -20.31	29.39 1.15 -17.38	24.48 1.24 -11.54	25.61 1.11 -13.68	24.74 0.83 -15.74	24.91 0.79 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.84 0.72 -19.17	30.89 1.02 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	39.89 2.25 -13.96	29.37 1.80 -7.18	28.05 1.94 -6.36	25.70 1.10 -13.08
HOLTSVILLE_IC_10 23699	28.49 0.71 -20.39	20.68 0.59 -13.86	21.58 0.50 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.72 -18.89	30.31 1.03 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.55 1.31 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.76 -19.17	30.98 1.11 -20.82	35.52 1.46 -21.83	38.07 1.92 -19.26	40.08 2.44 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
HOLTSVILLE_IC_2 23691	28.45 0.67 -20.39	20.64 0.55 -13.86	21.55 0.47 -15.98	19.49 0.46 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.65 0.87 -20.31	29.39 1.15 -17.38	24.48 1.24 -11.54	25.61 1.11 -13.68	24.74 0.83 -15.74	24.91 0.79 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.84 0.72 -19.17	30.89 1.02 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	39.89 2.25 -13.96	29.37 1.80 -7.18	28.05 1.94 -6.36	25.70 1.10 -13.08
HOLTSVILLE_IC_3 23692	28.45 0.67 -20.39	20.64 0.55 -13.86	21.55 0.47 -15.98	19.49 0.46 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.65 0.87 -20.31	29.39 1.15 -17.38	24.48 1.24 -11.54	25.61 1.11 -13.68	24.74 0.83 -15.74	24.91 0.79 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.84 0.72 -19.17	30.89 1.02 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	39.89 2.25 -13.96	29.37 1.80 -7.18	28.05 1.94 -6.36	25.70 1.10 -13.08

HOLTSVILLE_IC_4 23693	28.45 0.67 -20.39	20.64 0.55 -13.86	21.55 0.47 -15.98	19.49 0.46 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.65 0.87 -20.31	29.39 1.15 -17.38	24.48 1.24 -11.54	25.61 1.11 -13.68	24.74 0.83 -15.74	24.91 0.79 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.84 0.72 -19.17	30.89 1.02 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	39.89 2.25 -13.96	29.37 1.80 -7.18	28.05 1.94 -6.36	25.70 1.10 -13.08
HOLTSVILLE_IC_5 23694	28.45 0.67 -20.39	20.64 0.55 -13.86	21.55 0.47 -15.98	19.49 0.46 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.65 0.87 -20.31	29.39 1.15 -17.38	24.48 1.24 -11.54	25.61 1.11 -13.68	24.74 0.83 -15.74	24.91 0.79 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.84 0.72 -19.17	30.89 1.02 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	39.89 2.25 -13.96	29.37 1.80 -7.18	28.05 1.94 -6.36	25.70 1.10 -13.08
HOLTSVILLE_IC_6 23695	28.49 0.71 -20.39	20.68 0.59 -13.86	21.58 0.50 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.72 -18.89	30.31 1.03 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.55 1.31 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.76 -19.17	30.98 1.11 -20.82	35.52 1.46 -21.83	38.07 1.92 -19.26	40.08 2.44 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
HOLTSVILLE_IC_7 23696	28.49 0.71 -20.39	20.68 0.59 -13.86	21.58 0.50 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.72 -18.89	30.31 1.03 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.55 1.31 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.76 -19.17	30.98 1.11 -20.82	35.52 1.46 -21.83	38.07 1.92 -19.26	40.08 2.44 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
HOLTSVILLE_IC_8 23697	28.49 0.71 -20.39	20.68 0.59 -13.86	21.58 0.50 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.72 -18.89	30.31 1.03 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.55 1.31 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.76 -19.17	30.98 1.11 -20.82	35.52 1.46 -21.83	38.07 1.92 -19.26	40.08 2.44 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
HOLTSVILLE_IC_9 23698	28.49 0.71 -20.39	20.68 0.59 -13.86	21.58 0.50 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.72 -18.89	30.31 1.03 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.55 1.31 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.76 -19.17	30.98 1.11 -20.82	35.52 1.46 -21.83	38.07 1.92 -19.26	40.08 2.44 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
HOMER_HL_115KV_TB2 355744	10.14 0.01 -2.74	8.54 -0.04 -2.34	7.42 -0.03 -2.35	7.36 -0.02 -2.28	8.09 -0.02 -2.15	9.75 -0.01 -2.28	13.10 -0.02 -3.16	13.32 -0.09 -3.94	13.21 -0.18 -2.53	12.99 -0.23 -1.52	12.22 -0.08 -1.47	10.00 -0.03 -1.86	9.56 0.01 -1.96	9.76 0.00 -2.03	9.29 0.00 -2.21	9.60 -0.01 -2.31	9.73 0.04 -2.74	12.93 0.03 -3.86	16.06 0.00 -3.83	19.98 -0.14 -3.23	24.99 -0.47 -1.79	21.39 -0.41 -1.40	19.78 -0.43 -0.46	13.20 -0.06 -1.75
HOWARD_WT_PWR 323690	10.78 0.53 -2.86	9.11 0.43 -2.44	7.90 0.35 -2.45	7.83 0.36 -2.37	8.64 0.44 -2.24	10.46 0.60 -2.38	14.15 0.90 -3.29	14.38 0.80 -4.10	14.28 0.78 -2.63	14.04 0.76 -1.58	13.10 0.75 -1.53	10.71 0.60 -1.94	10.15 0.52 -2.05	10.34 0.50 -2.11	9.81 0.43 -2.30	10.21 0.50 -2.41	10.30 0.51 -2.85	13.70 0.66 -4.00	17.02 0.81 -3.98	21.37 1.13 -3.36	27.33 1.80 -1.86	23.30 1.45 -1.46	21.52 1.28 -0.48	14.15 0.83 -1.82
HQ_GEN_CEDARS 23644	7.19 -0.20 0.00	6.09 -0.15 0.00	4.97 -0.13 0.00	4.97 -0.13 0.00	5.81 -0.16 0.00	7.29 -0.19 0.00	9.67 -0.29 0.00	9.21 -0.27 0.00	10.55 -0.31 0.00	11.44 -0.26 0.00	10.52 -0.31 0.00	4.75 -0.28 3.15	3.89 -0.26 3.44	3.03 -0.26 4.44	2.67 -0.24 4.18	2.72 -0.25 4.33	6.62 -0.33 0.00	8.65 -0.39 0.00	11.77 -0.46 0.00	16.33 -0.56 0.00	22.99 -0.69 0.00	19.84 -0.55 0.00	19.30 -0.45 0.00	11.23 -0.28 0.00
HQ_GEN_CEDARS_PROXY 323590	7.19 -0.20 0.00	6.09 -0.15 0.00	4.97 -0.13 0.00	4.97 -0.13 0.00	5.81 -0.16 0.00	7.29 -0.19 0.00	9.67 -0.29 0.00	9.12 -0.35 0.00	10.40 -0.46 0.00	11.41 -0.29 0.00	10.47 -0.36 0.00	3.16 -0.44 4.58	2.16 -0.42 5.00	0.85 -0.43 6.46	0.65 -0.35 6.08	0.66 -0.34 6.31	6.46 -0.49 0.00	8.43 -0.62 0.00	11.77 -0.46 0.00	16.31 -0.57 0.00	22.97 -0.71 0.00	19.84 -0.55 0.00	19.30 -0.45 0.00	11.23 -0.28 0.00
HQ_GEN_IMPORT 323601	7.23 -0.16 0.00	6.11 -0.12 0.00	5.00 -0.10 0.00	5.00 -0.10 0.00	5.84 -0.12 0.00	7.34 -0.15 0.00	9.74 -0.22 0.00	9.27 -0.20 0.00	10.63 -0.23 0.00	11.48 -0.22 0.00	10.60 -0.23 0.00	7.55 -0.19 0.44	6.93 -0.17 0.48	6.93 -0.18 0.62	6.34 -0.16 0.58	6.53 -0.17 0.61	6.77 -0.18 0.00	8.82 -0.23 0.00	11.95 -0.28 0.00	16.51 -0.37 0.00	23.18 -0.50 0.00	19.99 -0.41 0.00	19.36 -0.39 0.00	11.28 -0.23 0.00
HQ_GEN_WHEEL 23651	7.23 -0.16 0.00	6.11 -0.12 0.00	5.00 -0.10 0.00	5.00 -0.10 0.00	5.84 -0.12 0.00	7.34 -0.15 0.00	9.74 -0.22 0.00	9.27 -0.20 0.00	10.63 -0.23 0.00	11.48 -0.22 0.00	10.60 -0.23 0.00	7.55 -0.19 0.44	6.93 -0.17 0.48	6.93 -0.18 0.62	6.34 -0.16 0.58	6.53 -0.17 0.61	6.77 -0.18 0.00	8.82 -0.23 0.00	11.95 -0.28 0.00	16.51 -0.37 0.00	23.18 -0.50 0.00	19.99 -0.41 0.00	19.36 -0.39 0.00	11.28 -0.23 0.00
HUDSON_AVE_GT_3 23810	22.04 0.50 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.39 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	20.97 0.64 -13.24	20.03 0.67 -12.06	21.69 0.64 -14.10	29.97 0.82 -20.11	33.40 1.06 -20.11	34.79 1.35 -16.56	34.68 1.85 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.32 0.83 -8.99
HUDSON_AVE_GT_4 23540	22.04 0.50 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.39 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	20.97 0.64 -13.24	20.03 0.67 -12.06	21.69 0.64 -14.10	29.97 0.82 -20.11	33.40 1.06 -20.11	34.79 1.35 -16.56	34.68 1.85 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.32 0.83 -8.99
HUDSON_AVE_GT_5 23657	22.04 0.50 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.39 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	20.97 0.64 -13.24	20.03 0.67 -12.06	21.69 0.64 -14.10	29.97 0.82 -20.11	33.40 1.06 -20.11	34.79 1.35 -16.56	34.68 1.85 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.32 0.83 -8.99

HUDSON_AVE_10 24168	22.02 0.47 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.15 0.31 -11.73	17.40 0.36 -11.07	19.69 0.44 -11.76	26.89 0.66 -16.27	30.42 0.64 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.26 0.90 -7.54	18.42 0.69 -9.55	18.34 0.66 -10.10	18.95 0.67 -10.55	20.93 0.61 -13.24	20.00 0.64 -12.06	21.66 0.61 -14.10	29.94 0.79 -20.11	33.35 1.02 -20.11	34.73 1.28 -16.56	34.63 1.80 -9.15	28.94 1.37 -7.18	23.52 1.40 -2.36	21.30 0.81 -8.99
HUDSON___115KV_TB 4 355613	24.34 0.35 -16.60	20.71 0.29 -14.18	19.56 0.24 -14.22	19.10 0.24 -13.76	19.24 0.29 -12.99	21.67 0.38 -13.80	29.50 0.47 -19.08	33.69 0.42 -23.80	26.64 0.51 -15.27	21.35 0.49 -9.16	20.09 0.42 -8.83	19.70 0.32 -11.20	19.71 0.28 -11.84	20.24 0.29 -12.22	20.67 0.27 -13.31	21.51 0.28 -13.92	23.75 0.28 -16.51	32.47 0.41 -23.02	35.60 0.57 -22.79	37.19 0.88 -19.42	35.62 1.21 -10.74	29.92 1.10 -8.42	23.51 0.99 -2.77	22.55 0.51 -10.54
HUNTER MOUNT___DRP 323613	23.82 0.31 -16.12	20.27 0.27 -13.76	19.12 0.22 -13.80	18.68 0.22 -13.36	18.83 0.26 -12.60	21.25 0.37 -13.39	28.88 0.41 -18.52	32.95 0.37 -23.10	26.16 0.48 -14.83	21.01 0.42 -8.89	19.73 0.32 -8.57	19.30 0.25 -10.87	19.30 0.22 -11.50	19.81 0.22 -11.87	20.22 0.21 -12.92	21.03 0.22 -13.51	23.21 0.23 -16.03	31.82 0.35 -22.42	34.96 0.50 -22.23	36.58 0.84 -18.85	35.22 1.11 -10.42	29.63 1.06 -8.17	23.37 0.93 -2.69	22.19 0.45 -10.23
HUNTINGTON_RES_REC 323705	28.49 0.71 -20.39	20.67 0.58 -13.86	21.57 0.49 -15.98	19.51 0.48 -13.92	20.18 0.57 -13.65	27.08 0.70 -18.89	30.28 1.00 -19.32	30.70 0.92 -20.31	29.43 1.18 -17.38	24.53 1.29 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.96 0.83 -16.54	25.20 0.85 -16.62	25.45 0.82 -17.55	25.39 0.81 -17.27	26.90 0.78 -19.17	30.97 1.10 -20.83	35.50 1.43 -21.83	38.06 1.91 -19.26	40.05 2.42 -13.95	29.53 1.96 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
HUNTLEY___63 23557	9.72 -0.02 -2.36	8.17 -0.08 -2.01	7.07 -0.05 -2.02	7.01 -0.05 -1.95	7.75 -0.06 -1.84	9.38 -0.07 -1.96	12.52 -0.15 -2.71	12.57 -0.27 -3.37	12.68 -0.36 -2.18	12.59 -0.41 -1.31	11.91 -0.17 -1.26	9.67 -0.11 -1.60	9.23 -0.04 -1.69	9.41 -0.06 -1.74	8.94 -0.04 -1.90	9.23 -0.05 -1.98	9.28 -0.01 -2.34	12.32 -0.04 -3.32	15.43 -0.10 -3.29	19.27 -0.39 -2.78	24.32 -0.90 -1.54	20.87 -0.73 -1.21	19.48 -0.67 -0.40	12.87 -0.15 -1.51
HUNTLEY___64 23558	9.72 -0.02 -2.36	8.17 -0.08 -2.01	7.07 -0.05 -2.02	7.01 -0.05 -1.95	7.75 -0.06 -1.84	9.38 -0.07 -1.96	12.52 -0.15 -2.71	12.57 -0.27 -3.37	12.68 -0.36 -2.18	12.59 -0.41 -1.31	11.91 -0.17 -1.26	9.67 -0.11 -1.60	9.23 -0.04 -1.69	9.41 -0.06 -1.74	8.94 -0.04 -1.90	9.23 -0.05 -1.98	9.28 -0.01 -2.34	12.32 -0.04 -3.32	15.43 -0.10 -3.29	19.27 -0.39 -2.78	24.32 -0.90 -1.54	20.87 -0.73 -1.21	19.48 -0.67 -0.40	12.87 -0.15 -1.51
HUNTLEY___65 23559	9.72 -0.02 -2.36	8.17 -0.08 -2.01	7.07 -0.05 -2.02	7.01 -0.05 -1.95	7.75 -0.06 -1.84	9.38 -0.07 -1.96	12.52 -0.15 -2.71	12.57 -0.27 -3.37	12.68 -0.36 -2.18	12.59 -0.41 -1.31	11.91 -0.17 -1.26	9.67 -0.11 -1.60	9.23 -0.04 -1.69	9.41 -0.06 -1.74	8.94 -0.04 -1.90	9.23 -0.05 -1.98	9.28 -0.01 -2.34	12.32 -0.04 -3.32	15.43 -0.10 -3.29	19.27 -0.39 -2.78	24.32 -0.90 -1.54	20.87 -0.73 -1.21	19.48 -0.67 -0.40	12.87 -0.15 -1.51
HUNTLEY___66 23560	9.72 -0.02 -2.36	8.17 -0.08 -2.01	7.07 -0.05 -2.02	7.01 -0.05 -1.95	7.75 -0.06 -1.84	9.38 -0.07 -1.96	12.52 -0.15 -2.71	12.57 -0.27 -3.37	12.68 -0.36 -2.18	12.59 -0.41 -1.31	11.91 -0.17 -1.26	9.67 -0.11 -1.60	9.23 -0.04 -1.69	9.41 -0.06 -1.74	8.94 -0.04 -1.90	9.23 -0.05 -1.98	9.28 -0.01 -2.34	12.32 -0.04 -3.32	15.43 -0.10 -3.29	19.27 -0.39 -2.78	24.32 -0.90 -1.54	20.87 -0.73 -1.21	19.48 -0.67 -0.40	12.87 -0.15 -1.51
HUNTLEY___67 23561	9.74 -0.04 -2.39	8.17 -0.11 -2.04	7.08 -0.07 -2.05	7.02 -0.06 -1.98	7.75 -0.08 -1.87	9.38 -0.09 -1.99	12.54 -0.17 -2.75	12.61 -0.29 -3.43	12.69 -0.38 -2.21	12.60 -0.42 -1.33	11.90 -0.21 -1.28	9.67 -0.13 -1.62	9.23 -0.07 -1.71	9.41 -0.09 -1.77	8.95 -0.06 -1.93	9.25 -0.07 -2.01	9.31 -0.02 -2.38	12.38 -0.05 -3.38	15.47 -0.12 -3.36	19.29 -0.42 -2.83	24.27 -0.97 -1.56	20.82 -0.80 -1.23	19.43 -0.73 -0.40	12.86 -0.18 -1.54
HUNTLEY___68 23562	9.74 -0.04 -2.39	8.17 -0.11 -2.04	7.08 -0.07 -2.05	7.02 -0.06 -1.98	7.75 -0.08 -1.87	9.38 -0.09 -1.99	12.54 -0.17 -2.75	12.61 -0.29 -3.43	12.69 -0.38 -2.21	12.60 -0.42 -1.33	11.90 -0.21 -1.28	9.67 -0.13 -1.62	9.23 -0.07 -1.71	9.41 -0.09 -1.77	8.95 -0.06 -1.93	9.25 -0.07 -2.01	9.31 -0.02 -2.38	12.38 -0.05 -3.38	15.47 -0.12 -3.36	19.29 -0.42 -2.83	24.27 -0.97 -1.56	20.82 -0.80 -1.23	19.43 -0.73 -0.40	12.86 -0.18 -1.54
HYLAND___LFGE 323620	10.30 0.55 -2.36	8.67 0.42 -2.02	7.45 0.33 -2.02	7.41 0.35 -1.96	8.24 0.43 -1.85	10.07 0.62 -1.96	13.56 0.89 -2.72	13.63 0.77 -3.39	13.65 0.62 -2.18	13.63 0.63 -1.30	12.69 0.60 -1.26	10.25 0.47 -1.60	9.59 0.31 -1.69	9.74 0.26 -1.75	9.29 0.30 -1.91	9.59 0.30 -1.99	9.64 0.33 -2.35	13.00 0.65 -3.31	16.41 0.88 -3.30	20.98 1.32 -2.78	27.13 1.92 -1.54	23.13 1.53 -1.20	21.51 1.36 -0.40	13.85 0.84 -1.50
INDECK___CORINTH 23802	25.23 0.10 -17.75	21.45 0.06 -15.16	20.35 0.05 -15.20	19.86 0.05 -14.71	19.90 0.06 -13.88	22.32 0.08 -14.75	30.54 0.18 -20.40	35.12 0.15 -25.50	27.33 0.13 -16.34	21.97 0.47 -9.80	20.73 0.43 -9.46	20.50 0.33 -12.00	20.56 0.29 -12.69	21.12 0.29 -13.09	21.64 0.30 -14.26	22.51 0.30 -14.91	24.71 0.07 -17.69	33.74 0.13 -24.57	36.70 0.20 -24.27	38.05 0.37 -20.79	35.74 0.57 -11.50	29.94 0.53 -9.02	23.10 0.37 -2.97	22.90 0.13 -11.27
INDECK___ILION 23567	7.40 0.01 0.00	6.26 0.02 0.00	5.11 0.01 0.00	5.11 0.01 0.00	5.97 0.01 0.00	7.49 0.00 0.00	9.99 0.03 0.00	9.49 0.02 0.00	10.87 0.01 0.00	11.69 -0.01 0.00	10.81 -0.02 0.00	8.15 -0.02 0.00	7.55 -0.04 0.00	7.69 -0.04 0.00	7.04 -0.04 0.00	7.27 -0.04 0.00	6.93 -0.02 0.00	9.01 -0.04 0.00	12.23 0.00 0.00	16.94 0.05 0.00	23.78 0.09 0.00	20.50 0.10 0.00	19.83 0.08 0.00	11.58 0.07 0.00
INDECK___OLEAN 23982	10.14 0.01 -2.74	8.54 -0.04 -2.34	7.42 -0.03 -2.35	7.36 -0.02 -2.28	8.09 -0.02 -2.15	9.75 -0.01 -2.28	13.10 -0.02 -3.16	13.32 -0.09 -3.94	13.20 -0.18 -2.53	12.98 -0.23 -1.52	12.20 -0.10 -1.47	10.00 -0.03 -1.86	9.56 0.01 -1.97	9.76 0.00 -2.03	9.29 0.00 -2.21	9.61 -0.01 -2.31	9.68 0.00 -2.73	12.91 0.03 -3.84	16.04 -0.01 -3.82	19.94 -0.17 -3.22	25.06 -0.40 -1.78	21.38 -0.41 -1.40	19.78 -0.43 -0.46	13.19 -0.06 -1.74
INDECK___OSWEGO 23783	8.61 -0.12 -1.34	7.27 -0.11 -1.14	6.16 -0.09 -1.15	6.12 -0.09 -1.11	6.91 -0.10 -1.05	8.48 -0.12 -1.11	11.37 -0.13 -1.54	11.25 -0.14 -1.92	11.90 -0.20 -1.23	12.20 -0.23 -0.74	11.36 -0.18 -0.72	9.32 -0.12 -1.26	8.80 -0.13 -1.35	9.08 -0.13 -1.49	8.51 -0.12 -1.55	8.80 -0.12 -1.61	8.18 -0.10 -1.33	10.77 -0.15 -1.87	13.85 -0.24 -1.86	18.14 -0.32 -1.57	24.12 -0.43 -0.87	20.69 -0.39 -0.68	19.58 -0.39 -0.22	12.15 -0.21 -0.85

INDECK___YERKES 23781	9.73 -0.01 -2.36	8.17 -0.07 -2.01	7.07 -0.05 -2.02	7.02 -0.04 -1.95	7.75 -0.05 -1.84	9.38 -0.06 -1.96	12.53 -0.14 -2.71	12.58 -0.27 -3.37	12.68 -0.35 -2.17	12.60 -0.40 -1.30	11.90 -0.18 -1.26	9.68 -0.10 -1.60	9.24 -0.03 -1.69	9.42 -0.05 -1.74	8.95 -0.04 -1.90	9.24 -0.04 -1.98	9.21 -0.07 -2.34	12.30 -0.03 -3.29	15.38 -0.12 -3.27	19.24 -0.41 -2.76	24.45 -0.76 -1.53	20.88 -0.71 -1.20	19.50 -0.65 -0.39	12.87 -0.14 -1.50
INDIAN POINT_GT_1 24139	21.87 0.44 -14.03	18.59 0.37 -11.98	17.42 0.30 -12.02	17.03 0.30 -11.63	17.29 0.35 -10.98	19.58 0.43 -11.66	26.70 0.61 -16.14	30.20 0.60 -20.13	24.55 0.77 -12.92	20.31 0.87 -7.75	19.10 0.80 -7.47	18.26 0.61 -9.47	18.19 0.59 -10.02	18.67 0.60 -10.34	18.89 0.55 -11.26	19.65 0.57 -11.77	21.46 0.55 -13.97	29.67 0.70 -19.94	33.10 0.93 -19.94	34.50 1.20 -16.42	34.37 1.61 -9.08	28.80 1.29 -7.12	23.40 1.30 -2.34	21.14 0.73 -8.91
INDIAN POINT_GT_2 23659	21.87 0.44 -14.03	18.59 0.37 -11.98	17.42 0.30 -12.02	17.03 0.30 -11.63	17.29 0.35 -10.98	19.58 0.43 -11.66	26.70 0.61 -16.14	30.20 0.60 -20.13	24.55 0.77 -12.92	20.31 0.87 -7.75	19.10 0.80 -7.47	18.26 0.61 -9.47	18.19 0.59 -10.02	18.67 0.60 -10.34	18.89 0.55 -11.26	19.65 0.57 -11.77	21.46 0.55 -13.97	29.67 0.70 -19.94	33.10 0.93 -19.94	34.50 1.20 -16.42	34.37 1.61 -9.08	28.80 1.29 -7.12	23.40 1.30 -2.34	21.14 0.73 -8.91
INDIAN POINT_GT_3 24019	21.87 0.44 -14.03	18.59 0.37 -11.98	17.42 0.30 -12.02	17.03 0.30 -11.63	17.29 0.35 -10.98	19.58 0.43 -11.66	26.70 0.61 -16.14	30.20 0.60 -20.13	24.55 0.77 -12.92	20.31 0.87 -7.75	19.10 0.80 -7.47	18.26 0.61 -9.47	18.19 0.59 -10.02	18.67 0.60 -10.34	18.89 0.55 -11.26	19.65 0.57 -11.77	21.46 0.55 -13.97	29.67 0.70 -19.94	33.10 0.93 -19.94	34.50 1.20 -16.42	34.37 1.61 -9.08	28.80 1.29 -7.12	23.40 1.30 -2.34	21.14 0.73 -8.91
INDIAN POINT___2 23530	21.71 0.44 -13.87	18.45 0.37 -11.85	17.28 0.30 -11.88	16.90 0.30 -11.50	17.17 0.35 -10.85	19.44 0.43 -11.53	26.52 0.61 -15.95	29.97 0.60 -19.90	24.41 0.78 -12.77	20.24 0.88 -7.66	19.03 0.81 -7.39	18.15 0.61 -9.36	18.08 0.59 -9.90	18.55 0.60 -10.22	18.76 0.55 -11.13	19.51 0.57 -11.64	21.30 0.55 -13.81	29.44 0.70 -19.70	32.85 0.92 -19.70	34.31 1.20 -16.23	34.26 1.61 -8.97	28.72 1.29 -7.04	23.35 1.28 -2.31	21.04 0.73 -8.81
INDIAN POINT___3 23531	21.87 0.44 -14.04	18.59 0.36 -11.99	17.43 0.30 -12.02	17.04 0.30 -11.64	17.29 0.35 -10.98	19.58 0.43 -11.67	26.71 0.61 -16.14	30.21 0.60 -20.14	24.56 0.77 -12.92	20.32 0.87 -7.75	19.09 0.79 -7.48	18.26 0.61 -9.48	18.19 0.58 -10.02	18.67 0.60 -10.34	18.89 0.54 -11.27	19.64 0.56 -11.78	21.46 0.54 -13.97	29.68 0.70 -19.95	33.08 0.91 -19.94	34.49 1.18 -16.43	34.37 1.61 -9.08	28.78 1.26 -7.12	23.38 1.28 -2.34	21.15 0.72 -8.91
INGHAM_C_115KV_TB7 356103	7.37 -0.02 0.00	6.22 -0.01 0.00	5.09 -0.01 0.00	5.08 -0.03 0.00	5.93 -0.03 0.00	7.43 -0.05 0.00	9.93 -0.03 0.00	9.44 -0.04 0.00	10.79 -0.07 0.00	11.59 -0.11 0.00	10.70 -0.13 0.00	8.06 -0.12 0.00	7.45 -0.14 0.00	7.57 -0.16 0.00	6.92 -0.16 0.00	7.16 -0.15 0.00	6.82 -0.13 0.00	8.87 -0.17 0.00	12.11 -0.12 0.00	16.82 -0.07 0.00	23.63 -0.05 0.00	20.41 0.02 0.00	19.78 0.02 0.00	11.55 0.05 0.00
IP CORINTH___1 23988	25.27 0.13 -17.75	21.49 0.09 -15.16	20.38 0.08 -15.20	19.89 0.08 -14.71	19.94 0.10 -13.88	22.36 0.13 -14.75	30.63 0.24 -20.43	35.18 0.21 -25.50	27.42 0.20 -16.36	21.98 0.47 -9.81	20.74 0.44 -9.46	20.50 0.33 -12.00	20.56 0.29 -12.69	21.12 0.29 -13.09	21.64 0.30 -14.26	22.51 0.30 -14.91	24.75 0.11 -17.69	33.79 0.18 -24.57	36.67 0.21 -24.23	38.05 0.41 -20.76	35.87 0.71 -11.48	30.03 0.63 -9.00	23.21 0.49 -2.96	22.97 0.20 -11.27
IP___TICONDEROGA 23804	25.57 0.45 -17.72	21.71 0.34 -15.14	20.56 0.28 -15.18	20.07 0.28 -14.69	20.17 0.35 -13.86	22.66 0.44 -14.73	31.08 0.72 -20.41	35.58 0.64 -25.46	27.83 0.63 -16.34	22.38 0.88 -9.80	21.09 0.81 -9.45	20.76 0.60 -11.98	20.77 0.52 -12.67	21.34 0.53 -13.08	21.86 0.53 -14.24	22.74 0.55 -14.89	24.98 0.37 -17.66	34.12 0.54 -24.53	37.15 0.72 -24.19	38.84 1.22 -20.73	37.11 1.97 -11.46	31.12 1.73 -8.99	24.13 1.42 -2.96	23.45 0.69 -11.25
ISLIP_RES_REC 323679	28.53 0.75 -20.39	20.71 0.61 -13.86	21.59 0.52 -15.98	19.54 0.51 -13.92	20.21 0.60 -13.65	27.12 0.75 -18.89	30.36 1.08 -19.32	30.76 0.98 -20.31	29.50 1.26 -17.38	24.60 1.36 -11.54	25.72 1.21 -13.68	24.82 0.90 -15.74	24.99 0.86 -16.54	25.23 0.88 -16.62	25.50 0.87 -17.55	25.42 0.84 -17.27	26.92 0.80 -19.17	31.03 1.17 -20.82	35.59 1.53 -21.83	38.17 2.03 -19.26	40.20 2.56 -13.96	29.63 2.06 -7.18	28.27 2.15 -6.36	25.81 1.22 -13.08
JAMAICA___27_KV_LOAD 355505	22.05 0.50 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.38 -11.07	19.71 0.46 -11.76	26.95 0.72 -16.27	30.46 0.68 -20.30	24.83 0.94 -13.03	20.58 1.06 -7.81	19.27 0.91 -7.54	18.42 0.69 -9.55	18.34 0.66 -10.10	18.95 0.67 -10.55	20.93 0.61 -13.24	20.00 0.64 -12.06	21.67 0.62 -14.10	29.97 0.82 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.64 1.52 -2.36	21.36 0.86 -8.99
JANIS___SOLAR 323808	11.46 0.34 -3.73	9.73 0.31 -3.19	8.54 0.24 -3.20	8.44 0.24 -3.10	9.19 0.31 -2.92	10.96 0.37 -3.10	14.85 0.60 -4.29	15.32 0.49 -5.36	14.72 0.42 -3.44	14.05 0.29 -2.06	13.08 0.26 -1.99	10.89 0.19 -2.52	10.40 0.15 -2.67	10.64 0.15 -2.75	10.24 0.16 -3.00	10.60 0.16 -3.14	10.90 0.23 -3.72	14.59 0.33 -5.22	17.92 0.50 -5.19	22.09 0.83 -4.37	27.42 1.33 -2.42	23.35 1.06 -1.90	21.35 0.97 -0.62	14.49 0.61 -2.37
JARVIS____ 23743	7.41 0.02 0.00	6.26 0.02 0.00	5.11 0.01 0.00	5.11 0.01 0.00	5.98 0.01 0.00	7.50 0.02 0.00	9.99 0.03 0.00	9.50 0.03 0.00	10.88 0.02 0.00	11.71 0.01 0.00	10.84 0.01 0.00	8.19 0.01 0.00	7.59 0.01 0.00	7.74 0.01 0.00	7.09 0.01 0.00	7.32 0.01 0.00	6.97 0.02 0.00	9.06 0.02 0.00	12.27 0.04 0.00	16.94 0.05 0.00	23.75 0.07 0.00	20.45 0.06 0.00	19.82 0.06 0.00	11.54 0.03 0.00
JENNISON___1 23625	12.40 0.35 -4.67	10.55 0.32 -3.99	9.36 0.26 -4.00	9.23 0.26 -3.87	9.94 0.32 -3.65	11.74 0.37 -3.88	15.94 0.62 -5.37	16.70 0.53 -6.70	15.67 0.51 -4.30	14.73 0.46 -2.58	13.74 0.42 -2.49	11.64 0.31 -3.15	11.18 0.26 -3.33	11.45 0.28 -3.44	11.10 0.27 -3.75	11.48 0.26 -3.92	11.88 0.28 -4.65	15.95 0.39 -6.52	19.32 0.61 -6.47	23.30 0.96 -5.46	28.02 1.33 -3.02	23.86 1.10 -2.37	21.52 0.99 -0.78	15.10 0.63 -2.96
JENNISON___2 23626	12.40 0.35 -4.67	10.55 0.32 -3.99	9.36 0.26 -4.00	9.23 0.26 -3.87	9.94 0.32 -3.65	11.74 0.37 -3.88	15.94 0.62 -5.37	16.70 0.53 -6.70	15.67 0.51 -4.30	14.73 0.46 -2.58	13.74 0.42 -2.49	11.64 0.31 -3.15	11.18 0.26 -3.33	11.45 0.28 -3.44	11.10 0.27 -3.75	11.48 0.26 -3.92	11.88 0.28 -4.65	15.95 0.39 -6.52	19.32 0.61 -6.47	23.30 0.96 -5.46	28.02 1.33 -3.02	23.86 1.10 -2.37	21.52 0.99 -0.78	15.10 0.63 -2.96

JERICO_RISE_WT_PWR 323719	7.21 -0.18 0.00	6.07 -0.16 0.00	4.96 -0.14 0.00	4.98 -0.12 0.00	5.83 -0.13 0.00	7.34 -0.15 0.00	9.71 -0.25 0.00	9.24 -0.24 0.00	10.54 -0.32 0.00	11.41 -0.29 0.00	10.41 -0.42 0.00	4.79 -0.41 2.98	3.91 -0.42 3.26	3.06 -0.46 4.20	2.72 -0.40 3.96	2.72 -0.47 4.11	6.46 -0.49 0.00	8.53 -0.51 0.00	11.69 -0.54 0.00	16.39 -0.49 0.00	23.09 -0.59 0.00	20.01 -0.39 0.00	19.42 -0.34 0.00	11.32 -0.18 0.00
KATONAH__115KV_46KV_TB4 355592	22.17 0.48 -14.30	18.83 0.39 -12.21	17.66 0.32 -12.24	17.27 0.31 -11.85	17.51 0.36 -11.18	19.81 0.44 -11.88	27.04 0.64 -16.44	30.63 0.64 -20.51	24.79 0.77 -13.16	20.47 0.88 -7.89	19.24 0.80 -7.61	18.43 0.60 -9.65	18.39 0.60 -10.20	18.87 0.61 -10.53	19.11 0.55 -11.47	19.87 0.58 -12.00	21.73 0.56 -14.23	30.07 0.72 -20.31	33.50 0.97 -20.30	34.84 1.23 -16.73	34.61 1.68 -9.25	29.01 1.37 -7.25	23.52 1.38 -2.39	21.34 0.76 -9.08
KCE_NY_1 323755	25.41 0.33 -17.69	21.61 0.26 -15.11	20.46 0.21 -15.15	19.98 0.22 -14.66	20.06 0.26 -13.84	22.52 0.33 -14.70	30.77 0.47 -20.34	35.31 0.43 -25.41	27.60 0.46 -16.28	22.00 0.54 -9.77	20.78 0.52 -9.43	20.52 0.38 -11.96	20.58 0.35 -12.64	21.13 0.36 -13.05	21.64 0.34 -14.21	22.51 0.35 -14.86	24.86 0.29 -17.63	33.91 0.40 -24.47	36.95 0.55 -24.16	38.44 0.83 -20.72	36.32 1.18 -11.46	30.44 1.06 -8.99	23.66 0.95 -2.96	23.22 0.48 -11.23
KCE_NY_6_ESR 323823	9.90 0.01 -2.49	8.31 -0.06 -2.13	7.20 -0.03 -2.13	7.14 -0.03 -2.06	7.88 -0.03 -1.95	9.53 -0.03 -2.07	12.74 -0.08 -2.86	12.86 -0.18 -3.57	12.89 -0.26 -2.29	12.77 -0.30 -1.37	12.04 -0.12 -1.33	9.82 -0.05 -1.69	9.38 0.01 -1.78	9.56 -0.01 -1.84	9.10 0.01 -2.01	9.40 0.00 -2.10	9.41 -0.01 -2.48	12.57 0.05 -3.48	15.69 -0.01 -3.47	19.57 -0.24 -2.92	24.75 -0.54 -1.62	21.13 -0.53 -1.27	19.68 -0.49 -0.42	13.03 -0.06 -1.58
KEDC_PORT_JEFF_GT2 24210	28.49 0.71 -20.39	20.67 0.58 -13.86	21.57 0.49 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.71 -18.89	30.30 1.02 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.54 1.30 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.45 0.82 -17.55	25.38 0.80 -17.27	26.89 0.76 -19.17	30.96 1.09 -20.82	35.46 1.39 -21.83	37.99 1.84 -19.26	39.98 2.34 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
KEDC_PORT_JEFF_GT3 24211	28.49 0.71 -20.39	20.67 0.58 -13.86	21.57 0.49 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.71 -18.89	30.30 1.02 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.54 1.30 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.45 0.82 -17.55	25.38 0.80 -17.27	26.89 0.76 -19.17	30.96 1.09 -20.82	35.46 1.39 -21.83	37.99 1.84 -19.26	39.98 2.34 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
KEDC_GLWD_GT4 24219	28.36 0.58 -20.39	20.57 0.47 -13.86	21.47 0.39 -15.98	19.41 0.39 -13.92	20.07 0.45 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.54 0.76 -20.31	29.23 0.99 -17.38	24.34 1.10 -11.54	25.53 1.02 -13.68	24.69 0.77 -15.74	24.87 0.74 -16.54	25.11 0.77 -16.62	25.33 0.70 -17.55	25.29 0.72 -17.27	26.81 0.69 -19.17	30.72 0.86 -20.82	35.15 1.09 -21.83	37.55 1.40 -19.26	39.51 1.87 -13.95	29.21 1.63 -7.18	27.75 1.64 -6.36	25.53 0.94 -13.08
KEDC_GLWD_GT5 24220	28.36 0.58 -20.39	20.57 0.47 -13.86	21.47 0.39 -15.98	19.41 0.39 -13.92	20.07 0.45 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.54 0.76 -20.31	29.23 0.99 -17.38	24.34 1.10 -11.54	25.53 1.02 -13.68	24.69 0.77 -15.74	24.87 0.74 -16.54	25.11 0.77 -16.62	25.33 0.70 -17.55	25.29 0.72 -17.27	26.81 0.69 -19.17	30.72 0.86 -20.82	35.15 1.09 -21.83	37.55 1.40 -19.26	39.51 1.87 -13.95	29.21 1.63 -7.18	27.75 1.64 -6.36	25.53 0.94 -13.08
KENSICO____ 23655	21.98 0.46 -14.13	18.68 0.38 -12.07	17.51 0.31 -12.10	17.12 0.31 -11.71	17.38 0.36 -11.05	19.67 0.44 -11.74	26.84 0.64 -16.24	30.37 0.63 -20.27	24.68 0.81 -13.01	20.41 0.91 -7.80	19.19 0.83 -7.52	18.35 0.63 -9.54	18.28 0.61 -10.09	18.77 0.63 -10.41	18.99 0.57 -11.34	19.75 0.59 -11.85	21.58 0.57 -14.06	29.85 0.73 -20.07	33.26 0.95 -20.07	34.65 1.23 -16.53	34.50 1.68 -9.14	28.89 1.33 -7.17	23.46 1.34 -2.36	21.24 0.76 -8.97
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	20.56 0.38 -12.78	17.50 0.34 -10.92	16.33 0.28 -10.95	15.97 0.28 -10.60	16.29 0.33 -10.00	18.54 0.43 -10.62	25.19 0.54 -14.69	28.35 0.54 -18.34	23.40 0.77 -11.77	19.57 0.82 -7.06	18.32 0.68 -6.81	17.34 0.53 -8.63	17.22 0.52 -9.12	17.67 0.53 -9.42	17.80 0.46 -10.26	18.52 0.49 -10.72	20.15 0.48 -12.72	27.72 0.61 -18.06	31.14 0.89 -18.02	33.07 1.23 -14.95	33.49 1.54 -8.27	28.12 1.24 -6.48	23.15 1.26 -2.13	20.31 0.69 -8.12
KIAC_JFK_GT1 23816	21.99 0.45 -14.15	18.68 0.36 -12.09	17.52 0.30 -12.12	17.12 0.29 -11.73	17.38 0.35 -11.07	19.67 0.42 -11.76	26.88 0.65 -16.27	30.35 0.58 -20.30	24.77 0.88 -13.03	20.50 0.98 -7.81	19.21 0.85 -7.54	18.36 0.63 -9.55	18.29 0.61 -10.10	18.90 0.62 -10.55	20.89 0.57 -13.24	19.95 0.59 -12.06	21.61 0.56 -14.10	29.90 0.75 -20.11	33.27 0.93 -20.11	34.61 1.16 -16.56	34.40 1.56 -9.15	28.82 1.24 -7.18	23.50 1.38 -2.36	21.28 0.78 -8.99
KIAC_JFK_GT2 23817	21.99 0.45 -14.15	18.68 0.36 -12.09	17.52 0.30 -12.12	17.12 0.29 -11.73	17.38 0.35 -11.07	19.67 0.42 -11.76	26.88 0.65 -16.27	30.35 0.58 -20.30	24.77 0.88 -13.03	20.50 0.98 -7.81	19.21 0.85 -7.54	18.36 0.63 -9.55	18.29 0.61 -10.10	18.90 0.62 -10.55	20.89 0.57 -13.24	19.95 0.59 -12.06	21.61 0.56 -14.10	29.90 0.75 -20.11	33.27 0.93 -20.11	34.61 1.16 -16.56	34.40 1.56 -9.15	28.82 1.24 -7.18	23.50 1.38 -2.36	21.28 0.78 -8.99
KIAC_JFK____ 323774	21.99 0.45 -14.15	18.68 0.36 -12.09	17.52 0.30 -12.12	17.12 0.29 -11.73	17.38 0.35 -11.07	19.67 0.42 -11.76	26.88 0.65 -16.27	30.35 0.58 -20.30	24.77 0.88 -13.03	20.50 0.98 -7.81	19.21 0.85 -7.54	18.36 0.63 -9.55	18.29 0.61 -10.10	18.90 0.62 -10.55	20.89 0.57 -13.24	19.95 0.59 -12.06	21.61 0.56 -14.10	29.90 0.75 -20.11	33.27 0.93 -20.11	34.61 1.16 -16.56	34.40 1.56 -9.15	28.82 1.24 -7.18	23.50 1.38 -2.36	21.28 0.78 -8.99
KINTIGH____ 23543	9.46 -0.02 -2.09	7.95 -0.07 -1.78	6.84 -0.06 -1.79	6.79 -0.05 -1.73	7.54 -0.06 -1.63	9.16 -0.06 -1.74	12.23 -0.13 -2.40	12.25 -0.23 -3.00	12.50 -0.29 -1.93	12.52 -0.34 -1.16	11.80 -0.15 -1.12	9.50 -0.10 -1.42	9.04 -0.05 -1.50	9.21 -0.06 -1.55	8.74 -0.03 -1.68	9.03 -0.04 -1.76	9.04 0.00 -2.09	11.97 -0.02 -2.94	15.06 -0.10 -2.92	19.01 -0.34 -2.46	24.24 -0.81 -1.36	20.81 -0.65 -1.07	19.49 -0.61 -0.35	12.68 -0.16 -1.34
KNTFSRNC_46_KV_46KV_LOAD 80397	7.30 -0.09 0.00	6.16 -0.08 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.45 -0.04 0.00	9.87 -0.09 0.00	9.39 -0.09 0.00	10.70 -0.16 0.00	11.57 -0.13 0.00	10.53 -0.30 0.00	5.03 -0.32 2.83	4.17 -0.33 3.08	3.37 -0.37 3.98	3.00 -0.33 3.75	3.01 -0.40 3.89	6.52 -0.42 0.00	8.64 -0.40 0.00	11.83 -0.40 0.00	16.61 -0.27 0.00	23.49 -0.19 0.00	20.35 -0.04 0.00	19.72 -0.04 0.00	11.47 -0.03 0.00

LACHUTE____HYDRO 323717	25.57 0.45 -17.72	21.71 0.34 -15.14	20.56 0.28 -15.18	20.07 0.28 -14.69	20.17 0.35 -13.86	22.66 0.44 -14.73	31.06 0.72 -20.38	35.58 0.64 -25.46	27.81 0.63 -16.32	22.36 0.88 -9.79	21.09 0.81 -9.45	20.76 0.60 -11.98	20.77 0.52 -12.67	21.34 0.53 -13.08	21.86 0.53 -14.24	22.74 0.55 -14.89	24.98 0.37 -17.66	34.12 0.54 -24.53	37.23 0.77 -24.23	38.92 1.27 -20.76	37.12 1.96 -11.48	31.13 1.73 -9.00	24.14 1.42 -2.96	23.45 0.69 -11.25
LAWRNCV_115KV_TB1 80681	7.16 -0.23 0.00	6.07 -0.17 0.00	4.95 -0.15 0.00	4.95 -0.15 0.00	5.80 -0.17 0.00	7.27 -0.22 0.00	9.63 -0.33 0.00	9.11 -0.36 0.00	10.40 -0.46 0.00	11.39 -0.30 0.00	10.46 -0.37 0.00	3.21 -0.43 4.53	2.22 -0.42 4.95	0.92 -0.42 6.39	0.72 -0.35 6.01	0.73 -0.34 6.24	6.43 -0.51 0.00	8.43 -0.61 0.00	11.57 -0.66 0.00	16.09 -0.79 0.00	22.73 -0.95 0.00	19.66 -0.73 0.00	19.28 -0.47 0.00	11.22 -0.29 0.00
LEDERLE____ 23769	21.53 0.46 -13.69	18.30 0.38 -11.69	17.14 0.32 -11.72	16.76 0.31 -11.34	17.03 0.36 -10.70	19.32 0.46 -11.37	26.33 0.64 -15.73	29.73 0.63 -19.63	24.28 0.83 -12.60	20.17 0.91 -7.56	18.94 0.82 -7.29	18.05 0.63 -9.24	17.96 0.61 -9.77	18.44 0.63 -10.08	18.62 0.55 -10.98	19.37 0.58 -11.48	21.14 0.57 -13.62	29.20 0.72 -19.43	32.63 0.97 -19.43	34.16 1.27 -16.01	34.24 1.70 -8.85	28.70 1.37 -6.94	23.40 1.36 -2.28	20.96 0.76 -8.69
LIGHTHSE_115KV_TB6 355974	8.56 -0.04 -1.21	7.24 -0.03 -1.03	6.11 -0.03 -1.04	6.08 -0.03 -1.00	6.88 -0.03 -0.95	8.45 -0.04 -1.01	11.34 -0.01 -1.39	11.19 -0.03 -1.74	11.92 -0.08 -1.13	12.26 -0.12 -0.68	11.39 -0.10 -0.65	9.75 -0.07 -1.64	9.27 -0.08 -1.76	9.70 -0.08 -2.05	9.09 -0.06 -2.07	9.38 -0.07 -2.15	8.09 -0.06 -1.21	10.66 -0.08 -1.70	13.80 -0.11 -1.68	18.20 -0.10 -1.42	24.32 -0.14 -0.78	20.89 -0.12 -0.61	19.84 -0.12 -0.20	12.23 -0.05 -0.77
LINDEN COGEN____ 23786	22.00 0.46 -14.15	18.70 0.37 -12.09	17.53 0.31 -12.12	17.14 0.31 -11.73	17.39 0.36 -11.07	19.68 0.43 -11.76	26.87 0.64 -16.27	30.40 0.63 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.97 0.70 -10.55	20.95 0.62 -13.24	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.37 1.03 -20.11	34.71 1.27 -16.56	34.61 1.78 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
LINDHRST_69_KV_BK1 356055	28.48 0.69 -20.39	20.67 0.57 -13.86	21.55 0.47 -15.98	19.50 0.47 -13.92	20.17 0.55 -13.65	27.06 0.68 -18.89	30.25 0.97 -19.32	30.67 0.89 -20.31	29.39 1.15 -17.38	24.50 1.26 -11.54	25.62 1.12 -13.68	24.76 0.84 -15.74	24.93 0.81 -16.54	25.17 0.83 -16.62	25.42 0.79 -17.55	25.36 0.78 -17.27	26.88 0.76 -19.17	30.89 1.03 -20.82	35.38 1.32 -21.83	37.88 1.74 -19.26	40.10 2.46 -13.96	29.47 1.90 -7.18	28.11 2.00 -6.36	25.73 1.14 -13.08
LIPA_MISC_IPP 23656	28.49 0.70 -20.39	20.67 0.57 -13.86	21.57 0.49 -15.98	19.51 0.48 -13.92	20.19 0.57 -13.65	27.08 0.70 -18.89	30.29 1.01 -19.32	30.69 0.91 -20.31	29.43 1.18 -17.38	24.53 1.29 -11.54	25.63 1.13 -13.68	24.76 0.84 -15.74	24.93 0.80 -16.54	25.17 0.82 -16.62	25.43 0.80 -17.55	25.37 0.79 -17.27	26.87 0.75 -19.17	30.91 1.05 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	40.13 2.49 -13.96	29.47 1.90 -7.18	28.15 2.03 -6.36	25.74 1.15 -13.08
LISF____SOLAR 323691	28.49 0.71 -20.39	20.68 0.59 -13.86	21.57 0.49 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.71 -18.89	30.31 1.03 -19.32	30.70 0.92 -20.31	29.45 1.21 -17.38	24.54 1.30 -11.54	25.66 1.15 -13.68	24.77 0.85 -15.74	24.93 0.81 -16.54	25.18 0.83 -16.62	25.44 0.81 -17.55	25.37 0.80 -17.27	26.88 0.76 -19.17	30.94 1.08 -20.82	35.48 1.42 -21.83	38.04 1.89 -19.26	40.08 2.44 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
LITTLE FALLS____HYD 24013	7.37 -0.02 0.00	6.22 -0.01 0.00	5.09 -0.01 0.00	5.08 -0.03 0.00	5.93 -0.03 0.00	7.43 -0.05 0.00	9.93 -0.03 0.00	9.44 -0.04 0.00	10.79 -0.07 0.00	11.59 -0.11 0.00	10.70 -0.13 0.00	8.06 -0.12 0.00	7.45 -0.14 0.00	7.57 -0.16 0.00	6.92 -0.16 0.00	7.16 -0.15 0.00	6.82 -0.13 0.00	8.87 -0.17 0.00	12.11 -0.12 0.00	16.82 -0.07 0.00	23.63 -0.05 0.00	20.41 0.02 0.00	19.78 0.02 0.00	11.55 0.05 0.00
LITTLRIV_115KV_TB1 356100	7.19 -0.20 0.00	6.10 -0.14 0.00	4.98 -0.12 0.00	4.98 -0.12 0.00	5.83 -0.13 0.00	7.31 -0.18 0.00	9.70 -0.26 0.00	9.55 -0.30 -0.38	10.47 -0.39 0.00	11.45 -0.25 0.00	10.50 -0.32 0.00	3.00 -0.41 4.77	1.99 -0.39 5.20	0.61 -0.39 6.72	0.43 -0.33 6.33	0.42 -0.31 6.57	6.71 -0.50 -0.26	8.81 -0.60 -0.37	11.65 -0.59 0.00	16.23 -0.66 0.00	22.92 -0.76 0.00	19.82 -0.57 0.00	19.40 -0.36 0.00	11.29 -0.22 0.00
LI_NEWBRDGE____DRP 323616	28.37 0.59 -20.39	20.58 0.49 -13.86	21.48 0.40 -15.98	19.42 0.40 -13.92	20.08 0.47 -13.65	26.95 0.58 -18.89	30.09 0.81 -19.32	30.54 0.76 -20.31	29.24 1.00 -17.38	24.35 1.11 -11.54	25.49 0.99 -13.68	24.67 0.75 -15.74	24.84 0.72 -16.54	25.08 0.73 -16.62	25.31 0.68 -17.55	25.27 0.69 -17.27	26.79 0.67 -19.17	30.73 0.87 -20.82	35.17 1.11 -21.83	37.60 1.45 -19.26	39.67 2.04 -13.95	29.17 1.59 -7.18	27.80 1.68 -6.36	25.56 0.97 -13.08
LOCKPORT_115KV_TB60_63_64 80432	9.59 -0.07 -2.27	8.05 -0.13 -1.94	6.97 -0.08 -1.95	6.91 -0.08 -1.88	7.63 -0.11 -1.78	9.26 -0.12 -1.89	12.33 -0.24 -2.61	12.36 -0.37 -3.26	12.49 -0.47 -2.10	12.44 -0.51 -1.26	11.76 -0.28 -1.21	9.53 -0.19 -1.54	9.09 -0.12 -1.63	9.27 -0.14 -1.68	8.80 -0.11 -1.83	9.09 -0.12 -1.91	9.13 -0.08 -2.26	12.12 -0.13 -3.20	15.18 -0.23 -3.18	18.99 -0.57 -2.68	23.98 -1.18 -1.48	20.60 -0.96 -1.16	19.25 -0.89 -0.38	12.70 -0.26 -1.46
LOCKPORT____CC1 323769	9.61 -0.07 -2.29	8.06 -0.12 -1.95	6.98 -0.08 -1.96	6.93 -0.07 -1.90	7.65 -0.10 -1.79	9.28 -0.11 -1.90	12.36 -0.23 -2.63	12.39 -0.36 -3.28	12.52 -0.45 -2.10	12.46 -0.50 -1.26	11.76 -0.29 -1.22	9.55 -0.18 -1.55	9.11 -0.11 -1.64	9.29 -0.13 -1.69	8.83 -0.10 -1.84	9.11 -0.12 -1.93	9.09 -0.13 -2.27	12.13 -0.11 -3.20	15.17 -0.24 -3.18	18.98 -0.59 -2.68	24.12 -1.04 -1.48	20.62 -0.94 -1.16	19.27 -0.87 -0.38	12.71 -0.25 -1.45
LOCKPORT____CC2 323770	9.61 -0.07 -2.29	8.06 -0.12 -1.95	6.98 -0.08 -1.96	6.93 -0.07 -1.90	7.65 -0.10 -1.79	9.28 -0.11 -1.90	12.36 -0.23 -2.63	12.39 -0.36 -3.28	12.52 -0.45 -2.10	12.46 -0.50 -1.26	11.76 -0.29 -1.22	9.55 -0.18 -1.55	9.11 -0.11 -1.64	9.29 -0.13 -1.69	8.83 -0.10 -1.84	9.11 -0.12 -1.93	9.09 -0.13 -2.27	12.13 -0.11 -3.20	15.17 -0.24 -3.18	18.98 -0.59 -2.68	24.12 -1.04 -1.48	20.62 -0.94 -1.16	19.27 -0.87 -0.38	12.71 -0.25 -1.45
LOCKPORT____CC3 323771	9.61 -0.07 -2.29	8.06 -0.12 -1.95	6.98 -0.08 -1.96	6.93 -0.07 -1.90	7.65 -0.10 -1.79	9.28 -0.11 -1.90	12.36 -0.23 -2.63	12.39 -0.36 -3.28	12.52 -0.45 -2.10	12.46 -0.50 -1.26	11.76 -0.29 -1.22	9.55 -0.18 -1.55	9.11 -0.11 -1.64	9.29 -0.13 -1.69	8.83 -0.10 -1.84	9.11 -0.12 -1.93	9.09 -0.13 -2.27	12.13 -0.11 -3.20	15.17 -0.24 -3.18	18.98 -0.59 -2.68	24.12 -1.04 -1.48	20.62 -0.94 -1.16	19.27 -0.87 -0.38	12.71 -0.25 -1.45

LONG_LAKE_PHOENIX 24014	8.69 -0.07 -1.36	7.34 -0.06 -1.16	6.21 -0.06 -1.17	6.18 -0.05 -1.13	6.98 -0.05 -1.07	8.56 -0.06 -1.13	11.48 -0.05 -1.57	11.37 -0.07 -1.96	12.00 -0.12 -1.26	12.30 -0.15 -0.75	11.46 -0.10 -0.73	9.32 -0.05 -1.20	8.80 -0.06 -1.27	9.06 -0.06 -1.39	8.47 -0.07 -1.46	8.77 -0.05 -1.52	8.28 -0.03 -1.36	10.88 -0.07 -1.91	13.99 -0.13 -1.89	18.31 -0.17 -1.59	24.30 -0.26 -0.88	20.84 -0.24 -0.69	19.73 -0.26 -0.23	12.25 -0.13 -0.87
LOVETT___3 23632	21.57 0.44 -13.74	18.33 0.36 -11.74	17.17 0.30 -11.77	16.79 0.30 -11.39	17.06 0.35 -10.75	19.33 0.43 -11.42	26.36 0.60 -15.80	29.78 0.59 -19.71	24.28 0.77 -12.65	20.15 0.87 -7.59	18.94 0.79 -7.32	18.05 0.60 -9.28	17.98 0.58 -9.81	18.45 0.60 -10.12	18.64 0.53 -11.03	19.39 0.56 -11.53	21.17 0.54 -13.68	29.25 0.69 -19.52	32.65 0.91 -19.51	34.14 1.18 -16.08	34.18 1.61 -8.89	28.65 1.28 -6.97	23.33 1.28 -2.29	20.96 0.72 -8.72
LOVETT___4 23642	21.57 0.44 -13.74	18.33 0.36 -11.74	17.17 0.30 -11.77	16.79 0.30 -11.39	17.06 0.35 -10.75	19.33 0.43 -11.42	26.36 0.60 -15.80	29.78 0.59 -19.71	24.28 0.77 -12.65	20.15 0.87 -7.59	18.94 0.79 -7.32	18.05 0.60 -9.28	17.98 0.58 -9.81	18.45 0.60 -10.12	18.64 0.53 -11.03	19.39 0.56 -11.53	21.17 0.54 -13.68	29.25 0.69 -19.52	32.65 0.91 -19.51	34.14 1.18 -16.08	34.18 1.61 -8.89	28.65 1.28 -6.97	23.33 1.28 -2.29	20.96 0.72 -8.72
LOVETT___5 23593	21.57 0.44 -13.74	18.33 0.36 -11.74	17.17 0.30 -11.77	16.79 0.30 -11.39	17.06 0.35 -10.75	19.33 0.43 -11.42	26.36 0.60 -15.80	29.78 0.59 -19.71	24.28 0.77 -12.65	20.15 0.87 -7.59	18.94 0.79 -7.32	18.05 0.60 -9.28	17.98 0.58 -9.81	18.45 0.60 -10.12	18.64 0.53 -11.03	19.39 0.56 -11.53	21.17 0.54 -13.68	29.25 0.69 -19.52	32.65 0.91 -19.51	34.14 1.18 -16.08	34.18 1.61 -8.89	28.65 1.28 -6.97	23.33 1.28 -2.29	20.96 0.72 -8.72
LOWER_RAQUET___HYD 24057	7.15 -0.24 0.00	6.06 -0.17 0.00	4.94 -0.16 0.00	4.95 -0.15 0.00	5.79 -0.17 0.00	7.27 -0.22 0.00	9.61 -0.35 0.00	9.48 -0.39 -0.40	10.36 -0.50 0.00	11.38 -0.32 0.00	10.44 -0.39 0.00	2.72 -0.49 4.97	1.69 -0.47 5.43	0.25 -0.47 7.01	0.10 -0.39 6.59	0.10 -0.36 6.84	6.68 -0.55 -0.28	8.74 -0.69 -0.39	11.49 -0.75 0.00	15.99 -0.90 0.00	22.64 -1.04 0.00	19.60 -0.80 0.00	19.26 -0.49 0.00	11.21 -0.30 0.00
LOWER___HUDSON 24059	25.05 0.32 -17.34	21.31 0.26 -14.81	20.16 0.21 -14.85	19.69 0.21 -14.37	19.78 0.25 -13.56	22.22 0.32 -14.41	30.32 0.43 -19.94	34.75 0.39 -24.89	27.26 0.43 -15.96	21.73 0.46 -9.57	20.50 0.43 -9.24	20.23 0.34 -11.71	20.27 0.30 -12.38	20.81 0.30 -12.78	21.29 0.28 -13.92	22.15 0.29 -14.56	24.49 0.28 -17.27	33.30 0.37 -23.88	36.28 0.50 -23.54	37.89 0.71 -20.30	35.90 0.99 -11.22	30.09 0.90 -8.80	23.48 0.83 -2.89	22.94 0.43 -11.01
LOWVILLE_115KV_TB2 356335	8.03 0.03 -0.61	6.81 0.05 -0.52	5.66 0.04 -0.52	5.64 0.04 -0.50	6.44 0.00 -0.48	7.98 -0.01 -0.51	10.71 0.05 -0.70	10.36 0.00 -0.88	11.44 -0.03 -0.61	11.98 -0.08 -0.37	11.06 -0.12 -0.35	10.62 -0.12 -2.57	10.22 -0.15 -2.79	11.06 -0.14 -3.47	10.33 -0.10 -3.34	10.67 -0.10 -3.47	7.41 -0.15 -0.61	9.80 -0.10 -0.86	13.09 0.01 -0.84	17.76 0.17 -0.71	24.36 0.28 -0.39	20.93 0.22 -0.31	20.07 0.22 -0.10	12.04 0.15 -0.39
LUTHERFT_115KV_GLOB_FND_222 355753	25.41 0.33 -17.69	21.61 0.26 -15.11	20.46 0.21 -15.15	19.98 0.21 -14.66	20.06 0.26 -13.84	22.51 0.32 -14.70	30.79 0.47 -20.36	35.30 0.42 -25.41	27.61 0.45 -16.31	22.02 0.54 -9.78	20.78 0.52 -9.43	20.52 0.38 -11.96	20.58 0.35 -12.64	21.13 0.36 -13.05	21.64 0.34 -14.21	22.51 0.35 -14.86	24.86 0.28 -17.63	33.91 0.40 -24.47	36.88 0.51 -24.13	38.36 0.78 -20.70	36.31 1.18 -11.44	30.43 1.06 -8.97	23.64 0.93 -2.95	23.21 0.47 -11.23
LUTHERNY_35_KV_BK2 355980	25.41 0.33 -17.69	21.61 0.26 -15.11	20.46 0.21 -15.15	19.98 0.22 -14.66	20.06 0.26 -13.84	22.52 0.33 -14.70	30.79 0.47 -20.36	35.31 0.43 -25.41	27.62 0.46 -16.31	22.02 0.54 -9.78	20.78 0.52 -9.43	20.52 0.38 -11.96	20.58 0.35 -12.64	21.13 0.36 -13.05	21.64 0.34 -14.21	22.51 0.35 -14.86	24.87 0.29 -17.63	33.91 0.40 -24.47	36.89 0.53 -24.13	38.37 0.79 -20.70	36.33 1.21 -11.44	30.43 1.06 -8.97	23.66 0.95 -2.95	23.22 0.48 -11.23
LWR___OSWEGATCHIE_HYD 23850	7.70 -0.14 -0.45	6.54 -0.09 -0.39	5.41 -0.08 -0.39	5.40 -0.08 -0.38	6.21 -0.11 -0.35	7.72 -0.14 -0.38	10.30 -0.18 -0.52	9.93 -0.22 -0.67	10.99 -0.30 -0.43	11.71 -0.25 -0.26	10.77 -0.30 -0.25	-1.57 -0.29 9.46	-3.05 -0.30 10.33	-6.00 -0.30 13.43	-5.74 -0.24 12.59	-5.99 -0.23 13.06	7.02 -0.40 -0.47	9.26 -0.44 -0.66	12.43 -0.43 -0.63	16.98 -0.44 -0.53	23.50 -0.47 -0.29	20.26 -0.37 -0.23	19.61 -0.22 -0.08	11.67 -0.13 -0.29
LYONS_FALL_HYD 23570	8.02 0.06 -0.57	6.80 0.08 -0.49	5.65 0.06 -0.49	5.63 0.06 -0.48	6.46 0.04 -0.45	8.00 0.04 -0.48	10.74 0.12 -0.66	10.38 0.08 -0.83	11.44 0.05 -0.53	12.03 0.01 -0.32	11.14 -0.01 -0.33	9.95 -0.03 -1.80	9.48 -0.06 -1.95	10.09 -0.05 -2.41	9.39 -0.03 -2.34	9.70 -0.03 -2.43	7.51 -0.01 -0.58	9.83 -0.02 -0.81	13.13 0.05 -0.85	17.79 0.19 -0.72	24.48 0.40 -0.40	21.01 0.31 -0.31	20.13 0.28 -0.10	12.06 0.18 -0.36
MADISON___COUNTY_LFGE 323628	8.50 0.16 -0.94	7.20 0.16 -0.81	6.03 0.12 -0.81	6.01 0.12 -0.78	6.85 0.15 -0.74	8.44 0.17 -0.78	11.33 0.29 -1.08	11.08 0.25 -1.36	11.97 0.23 -0.88	12.42 0.20 -0.53	11.54 0.21 -0.51	9.38 0.15 -1.06	8.82 0.11 -1.13	9.14 0.13 -1.28	8.50 0.11 -1.31	8.81 0.14 -1.37	8.03 0.14 -0.94	10.51 0.15 -1.32	13.83 0.29 -1.31	18.46 0.47 -1.10	24.95 0.66 -0.61	21.42 0.55 -0.48	20.39 0.47 -0.16	12.41 0.30 -0.60
MALONE___115KV_TB1 356076	7.24 -0.15 0.00	6.11 -0.12 0.00	4.98 -0.12 0.00	5.00 -0.10 0.00	5.86 -0.10 0.00	7.37 -0.11 0.00	9.77 -0.19 0.00	9.28 -0.19 0.00	10.60 -0.26 0.00	11.52 -0.18 0.00	10.49 -0.34 0.00	4.33 -0.37 3.48	3.42 -0.36 3.80	2.42 -0.40 4.91	2.11 -0.35 4.62	2.11 -0.40 4.80	6.48 -0.47 0.00	8.55 -0.49 0.00	11.73 -0.50 0.00	16.43 -0.46 0.00	23.21 -0.47 0.00	20.11 -0.29 0.00	19.54 -0.22 0.00	11.37 -0.14 0.00
MAPLEWOD_115KV_TB3 80458	25.02 0.37 -17.26	21.27 0.30 -14.74	20.13 0.24 -14.78	19.65 0.24 -14.31	19.75 0.29 -13.50	22.19 0.36 -14.34	30.30 0.49 -19.85	34.69 0.45 -24.77	27.26 0.51 -15.89	21.76 0.53 -9.53	20.53 0.51 -9.19	20.22 0.38 -11.66	20.26 0.35 -12.32	20.80 0.36 -12.72	21.27 0.33 -13.86	22.13 0.34 -14.49	24.47 0.33 -17.18	33.32 0.43 -23.84	36.34 0.59 -23.52	37.90 0.83 -20.19	36.05 1.21 -11.16	30.21 1.06 -8.75	23.62 0.99 -2.88	22.98 0.52 -10.96
MAPLE RIDGE_WT_1 323574	7.15 -0.24 0.00	6.04 -0.19 0.00	4.94 -0.16 0.00	4.92 -0.18 0.00	5.75 -0.21 0.00	7.21 -0.28 0.00	9.59 -0.37 0.00	9.14 -0.33 0.00	10.49 -0.37 0.00	11.32 -0.37 0.00	10.46 -0.37 0.00	6.76 -0.30 1.11	6.06 -0.30 1.22	5.84 -0.32 1.57	5.31 -0.29 1.48	5.47 -0.30 1.53	6.67 -0.28 0.00	8.72 -0.33 0.00	11.85 -0.38 0.00	16.45 -0.44 0.00	23.16 -0.52 0.00	19.96 -0.43 0.00	19.36 -0.39 0.00	11.29 -0.22 0.00

MAPLE_RIDGE_WT_2 323611	7.15 -0.24 0.00	6.04 -0.19 0.00	4.94 -0.16 0.00	4.92 -0.18 0.00	5.75 -0.21 0.00	7.21 -0.28 0.00	9.59 -0.37 0.00	9.14 -0.33 0.00	10.49 -0.37 0.00	11.32 -0.37 0.00	10.46 -0.37 0.00	6.76 -0.30 1.11	6.06 -0.30 1.22	5.84 -0.32 1.57	5.31 -0.29 1.48	5.47 -0.30 1.53	6.67 -0.28 0.00	8.72 -0.33 0.00	11.85 -0.38 0.00	16.45 -0.44 0.00	23.16 -0.52 0.00	19.96 -0.43 0.00	19.36 -0.39 0.00	11.29 -0.22 0.00
MARBLE_RIVER_WT_PWR 323696	7.23 -0.16 0.00	6.09 -0.15 0.00	4.97 -0.13 0.00	4.99 -0.11 0.00	5.85 -0.11 0.00	7.36 -0.13 0.00	9.74 -0.22 0.00	9.27 -0.21 0.00	10.57 -0.29 0.00	11.43 -0.27 0.00	10.42 -0.41 0.00	5.01 -0.40 2.77	4.15 -0.41 3.02	3.37 -0.46 3.90	3.01 -0.40 3.67	3.02 -0.47 3.81	6.47 -0.48 0.00	8.54 -0.50 0.00	11.72 -0.51 0.00	16.45 -0.44 0.00	23.16 -0.52 0.00	20.07 -0.33 0.00	19.48 -0.28 0.00	11.36 -0.15 0.00
MARSHVLE_115KV_TB1 80742	28.87 0.47 -21.01	24.56 0.39 -17.94	23.40 0.31 -17.99	22.83 0.32 -17.41	22.78 0.38 -16.43	25.43 0.49 -17.46	34.90 0.76 -24.19	40.34 0.68 -30.18	30.92 0.70 -19.37	23.98 0.67 -11.62	22.65 0.62 -11.20	22.83 0.45 -14.20	23.01 0.41 -15.02	23.63 0.40 -15.50	24.36 0.40 -16.88	25.35 0.40 -17.65	28.28 0.40 -20.94	38.86 0.58 -29.24	41.96 0.81 -28.92	42.71 1.25 -24.58	39.09 1.82 -13.59	32.68 1.63 -10.66	24.68 1.42 -3.50	25.63 0.78 -13.34
MARSH_HILL_WT_PWR 323713	10.74 0.54 -2.81	9.08 0.44 -2.40	7.86 0.36 -2.40	7.80 0.37 -2.33	8.61 0.45 -2.20	10.43 0.61 -2.33	14.10 0.92 -3.23	14.33 0.82 -4.03	14.25 0.80 -2.58	14.03 0.78 -1.55	13.10 0.77 -1.50	10.69 0.61 -1.90	10.13 0.54 -2.01	10.32 0.52 -2.08	9.78 0.43 -2.26	10.18 0.51 -2.36	10.26 0.51 -2.79	13.64 0.67 -3.93	16.96 0.82 -3.91	21.33 1.15 -3.30	27.35 1.85 -1.82	23.31 1.49 -1.43	21.55 1.32 -0.47	14.13 0.84 -1.78
MCINTYRE_115KV_TB2 80467	7.20 -0.19 0.00	6.12 -0.12 0.00	4.99 -0.11 0.00	4.99 -0.11 0.00	5.84 -0.12 0.00	7.32 -0.16 0.00	9.72 -0.24 0.00	9.20 -0.27 0.00	10.52 -0.34 0.00	11.46 -0.23 0.00	10.52 -0.31 0.00	3.38 -0.35 4.44	2.39 -0.34 4.85	1.13 -0.34 6.26	0.91 -0.28 5.89	0.90 -0.28 6.12	6.51 -0.44 0.00	8.54 -0.51 0.00	11.74 -0.49 0.00	16.36 -0.52 0.00	23.09 -0.59 0.00	19.92 -0.47 0.00	19.42 -0.34 0.00	11.30 -0.21 0.00
MECO____69_KV_BK1 80468	28.08 0.69 -20.00	23.85 0.54 -17.08	22.67 0.44 -17.13	22.12 0.44 -16.58	22.14 0.53 -15.64	24.79 0.68 -16.62	34.05 1.07 -23.03	39.15 0.94 -28.73	30.20 0.90 -18.44	23.61 0.85 -11.06	22.26 0.77 -10.66	22.27 0.57 -13.52	22.41 0.53 -14.30	23.02 0.53 -14.76	23.62 0.46 -16.07	24.65 0.55 -16.80	27.43 0.55 -19.93	37.57 0.71 -27.82	40.88 1.16 -27.49	42.14 1.86 -23.40	39.38 2.77 -12.93	32.97 2.43 -10.15	25.15 2.05 -3.34	25.30 1.09 -12.70
MENANDS__115KV_TB5 355628	24.84 0.34 -17.11	21.13 0.29 -14.61	19.98 0.23 -14.65	19.52 0.23 -14.18	19.61 0.27 -13.38	22.05 0.34 -14.21	30.06 0.44 -19.67	34.41 0.40 -24.54	27.07 0.47 -15.75	21.63 0.49 -9.44	20.41 0.48 -9.11	20.09 0.36 -11.55	20.12 0.33 -12.21	20.66 0.33 -12.60	21.12 0.30 -13.73	21.97 0.31 -14.35	24.28 0.31 -17.03	33.05 0.40 -23.62	36.06 0.53 -23.31	37.62 0.73 -20.01	35.79 1.04 -11.06	30.01 0.94 -8.68	23.48 0.87 -2.85	22.83 0.46 -10.86
MG INDUSTRY__DRP 24185	24.49 0.33 -16.78	20.83 0.27 -14.33	19.69 0.22 -14.37	19.23 0.22 -13.91	19.34 0.26 -13.12	21.75 0.32 -13.94	29.65 0.42 -19.27	33.90 0.38 -24.04	26.72 0.43 -15.43	21.40 0.44 -9.25	20.17 0.42 -8.92	19.81 0.32 -11.31	19.83 0.29 -11.96	20.37 0.29 -12.35	20.80 0.27 -13.45	21.65 0.28 -14.06	23.91 0.28 -16.68	32.68 0.36 -23.27	35.78 0.49 -23.06	37.20 0.69 -19.63	35.52 0.99 -10.85	29.80 0.90 -8.51	23.40 0.85 -2.80	22.63 0.47 -10.65
MID__OSWEGATCHIE_HYD 23849	7.70 -0.14 -0.45	6.54 -0.09 -0.39	5.41 -0.08 -0.39	5.40 -0.08 -0.38	6.21 -0.11 -0.35	7.72 -0.14 -0.38	10.30 -0.18 -0.52	9.93 -0.22 -0.67	10.99 -0.30 -0.43	11.71 -0.25 -0.26	10.77 -0.30 -0.25	-1.57 -0.29 9.46	-3.05 -0.30 10.33	-6.00 -0.30 13.43	-5.74 -0.24 12.59	-5.99 -0.23 13.06	7.02 -0.40 -0.47	9.26 -0.44 -0.66	12.43 -0.43 -0.63	16.98 -0.44 -0.53	23.50 -0.47 -0.29	20.26 -0.37 -0.23	19.61 -0.22 -0.08	11.67 -0.13 -0.29
MID__RAQUETTE_HYD 23851	7.15 -0.24 0.00	6.06 -0.17 0.00	4.94 -0.16 0.00	4.95 -0.15 0.00	5.79 -0.17 0.00	7.27 -0.22 0.00	9.61 -0.35 0.00	9.49 -0.39 -0.40	10.36 -0.50 0.00	11.38 -0.32 0.00	10.44 -0.39 0.00	2.72 -0.49 4.97	1.69 -0.47 5.43	0.25 -0.47 7.01	0.10 -0.39 6.59	0.10 -0.36 6.84	6.65 -0.58 -0.28	8.74 -0.69 -0.39	11.50 -0.73 0.00	16.01 -0.88 0.00	22.64 -1.04 0.00	19.60 -0.80 0.00	19.26 -0.49 0.00	11.21 -0.30 0.00
MILLIKEN__1 23584	10.49 0.21 -2.89	8.88 0.18 -2.47	7.72 0.14 -2.47	7.64 0.15 -2.39	8.40 0.18 -2.26	10.12 0.23 -2.40	13.65 0.37 -3.32	13.94 0.32 -4.15	13.83 0.30 -2.67	13.57 0.27 -1.60	12.63 0.26 -1.54	10.35 0.21 -1.95	9.84 0.20 -2.06	10.05 0.19 -2.13	9.57 0.17 -2.32	9.92 0.19 -2.43	10.04 0.22 -2.87	13.34 0.26 -4.04	16.58 0.34 -4.00	20.75 0.49 -3.38	26.26 0.71 -1.87	22.43 0.57 -1.46	20.75 0.51 -0.48	13.67 0.33 -1.83
MILLIKEN__2 23585	10.49 0.21 -2.89	8.88 0.18 -2.47	7.72 0.14 -2.47	7.64 0.15 -2.39	8.40 0.18 -2.26	10.12 0.23 -2.40	13.65 0.37 -3.32	13.94 0.32 -4.15	13.83 0.30 -2.67	13.57 0.27 -1.60	12.63 0.26 -1.54	10.35 0.21 -1.95	9.84 0.20 -2.06	10.05 0.19 -2.13	9.57 0.17 -2.32	9.92 0.19 -2.43	10.04 0.22 -2.87	13.34 0.26 -4.04	16.58 0.34 -4.00	20.75 0.49 -3.38	26.26 0.71 -1.87	22.43 0.57 -1.46	20.75 0.51 -0.48	13.67 0.33 -1.83
MILLIKEN__DIESEL 23629	10.49 0.21 -2.89	8.88 0.18 -2.47	7.72 0.14 -2.47	7.64 0.15 -2.39	8.40 0.18 -2.26	10.12 0.23 -2.40	13.65 0.37 -3.32	13.94 0.32 -4.15	13.83 0.30 -2.67	13.57 0.27 -1.60	12.63 0.26 -1.54	10.35 0.21 -1.95	9.84 0.20 -2.06	10.05 0.19 -2.13	9.57 0.17 -2.32	9.92 0.19 -2.43	10.04 0.22 -2.87	13.34 0.26 -4.04	16.58 0.34 -4.00	20.75 0.49 -3.38	26.26 0.71 -1.87	22.43 0.57 -1.46	20.75 0.51 -0.48	13.67 0.33 -1.83
MILLSEAT__LFGE 323607	9.64 -0.01 -2.27	8.09 -0.09 -1.94	6.99 -0.05 -1.94	6.94 -0.04 -1.88	7.67 -0.07 -1.78	9.32 -0.05 -1.89	12.42 -0.15 -2.61	12.45 -0.28 -3.25	12.59 -0.36 -2.09	12.53 -0.42 -1.25	11.83 -0.22 -1.21	9.58 -0.13 -1.54	9.13 -0.08 -1.63	9.32 -0.08 -1.68	8.85 -0.06 -1.83	9.13 -0.08 -1.91	9.10 -0.10 -2.26	12.16 -0.05 -3.17	15.23 -0.16 -3.16	19.09 -0.46 -2.66	24.35 -0.81 -1.47	20.79 -0.75 -1.16	19.44 -0.69 -0.38	12.78 -0.17 -1.44
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	21.93 0.45 -14.09	18.63 0.37 -12.03	17.47 0.31 -12.06	17.08 0.30 -11.68	17.33 0.35 -11.02	19.63 0.43 -11.71	26.77 0.62 -16.19	30.29 0.61 -20.21	24.61 0.78 -12.97	20.35 0.88 -7.78	19.13 0.80 -7.50	18.30 0.61 -9.51	18.23 0.59 -10.05	18.72 0.61 -10.38	18.94 0.55 -11.30	19.70 0.58 -11.82	21.52 0.56 -14.02	29.76 0.71 -20.01	33.17 0.93 -20.01	34.56 1.20 -16.48	34.42 1.63 -9.11	28.82 1.28 -7.15	23.41 1.30 -2.35	21.19 0.74 -8.94

MILLWOOD_13_KV_LOAD 356217	21.94 0.47 -14.09	18.65 0.38 -12.03	17.48 0.31 -12.06	17.08 0.31 -11.68	17.34 0.36 -11.02	19.63 0.44 -11.71	26.79 0.64 -16.19	30.31 0.63 -20.21	24.62 0.79 -12.97	20.36 0.89 -7.78	19.14 0.81 -7.50	18.30 0.61 -9.51	18.24 0.61 -10.05	18.72 0.62 -10.38	18.95 0.56 -11.30	19.70 0.58 -11.82	21.53 0.56 -14.02	29.78 0.72 -20.01	33.20 0.95 -20.01	34.58 1.22 -16.48	34.47 1.68 -9.11	28.86 1.33 -7.15	23.45 1.34 -2.35	21.21 0.76 -8.94
MODEL_CITY_ENERGY 24167	9.55 -0.13 -2.30	8.02 -0.18 -1.96	6.95 -0.12 -1.97	6.89 -0.11 -1.90	7.60 -0.16 -1.80	9.21 -0.19 -1.91	12.27 -0.33 -2.64	12.30 -0.46 -3.29	12.40 -0.58 -2.11	12.35 -0.62 -1.27	11.66 -0.40 -1.23	9.47 -0.27 -1.56	9.04 -0.19 -1.65	9.22 -0.21 -1.70	8.76 -0.18 -1.85	9.04 -0.20 -1.93	9.02 -0.21 -2.28	12.04 -0.21 -3.21	15.04 -0.39 -3.20	18.79 -0.79 -2.70	23.87 -1.30 -1.49	20.40 -1.16 -1.17	19.07 -1.07 -0.38	12.59 -0.38 -1.46
MODERN_LFGE_ 323580	9.55 -0.13 -2.30	8.02 -0.18 -1.96	6.95 -0.12 -1.97	6.89 -0.11 -1.90	7.60 -0.16 -1.80	9.21 -0.19 -1.91	12.27 -0.33 -2.64	12.30 -0.46 -3.29	12.40 -0.58 -2.11	12.35 -0.62 -1.27	11.66 -0.40 -1.23	9.47 -0.27 -1.56	9.04 -0.19 -1.65	9.22 -0.21 -1.70	8.76 -0.18 -1.85	9.04 -0.20 -1.93	9.02 -0.21 -2.28	12.04 -0.21 -3.21	15.04 -0.39 -3.20	18.79 -0.79 -2.70	23.87 -1.30 -1.49	20.40 -1.16 -1.17	19.07 -1.07 -0.38	12.59 -0.38 -1.46
MOHAWK_PAPER___DRP 24187	25.02 0.37 -17.26	21.27 0.30 -14.74	20.13 0.24 -14.78	19.65 0.24 -14.31	19.75 0.29 -13.50	22.19 0.36 -14.34	30.30 0.49 -19.85	34.69 0.45 -24.77	27.26 0.51 -15.89	21.76 0.53 -9.53	20.53 0.51 -9.19	20.22 0.38 -11.66	20.26 0.35 -12.32	20.80 0.36 -12.72	21.27 0.33 -13.86	22.13 0.34 -14.49	24.47 0.33 -17.18	33.32 0.43 -23.84	36.34 0.59 -23.52	37.90 0.83 -20.19	36.05 1.21 -11.16	30.21 1.06 -8.75	23.62 0.99 -2.88	22.98 0.52 -10.96
MOHICAN__35_KV_115KV_LD 80490	25.32 0.22 -17.71	21.52 0.16 -15.12	20.40 0.13 -15.16	19.91 0.13 -14.68	19.98 0.17 -13.85	22.42 0.22 -14.72	30.70 0.35 -20.39	35.23 0.31 -25.44	27.49 0.30 -16.33	22.01 0.51 -9.79	20.77 0.50 -9.44	20.52 0.37 -11.97	20.57 0.33 -12.66	21.13 0.33 -13.07	21.64 0.33 -14.23	22.52 0.34 -14.88	24.78 0.18 -17.65	33.82 0.27 -24.51	36.74 0.34 -24.17	38.19 0.59 -20.72	36.13 0.99 -11.45	30.25 0.88 -8.98	23.42 0.71 -2.95	23.07 0.32 -11.24
MONGAUP___HYD 23641	20.61 0.35 -12.87	17.54 0.32 -10.99	16.38 0.26 -11.02	16.02 0.25 -10.66	16.32 0.30 -10.06	18.59 0.41 -10.69	25.24 0.49 -14.79	28.40 0.47 -18.46	23.36 0.65 -11.84	19.48 0.68 -7.10	18.26 0.58 -6.85	17.30 0.43 -8.69	17.19 0.42 -9.18	17.64 0.43 -9.48	17.78 0.37 -10.32	18.41 0.31 -10.79	19.99 0.24 -12.80	27.67 0.37 -18.26	31.01 0.53 -18.25	32.66 0.73 -15.05	32.83 0.83 -8.32	27.59 0.67 -6.53	22.75 0.85 -2.15	20.18 0.51 -8.17
MONTAUK___DIESEL 23721	28.73 0.95 -20.39	20.87 0.78 -13.86	21.74 0.66 -15.98	19.67 0.65 -13.92	20.38 0.76 -13.65	27.32 0.94 -18.89	30.64 1.35 -19.32	31.01 1.23 -20.31	29.79 1.54 -17.38	24.90 1.66 -11.54	25.97 1.46 -13.68	25.00 1.08 -15.74	25.15 1.03 -16.54	25.40 1.05 -16.62	25.70 1.07 -17.55	25.58 1.00 -17.27	27.10 0.98 -19.17	31.30 1.44 -20.82	35.85 1.79 -21.83	38.53 2.38 -19.26	41.00 3.36 -13.96	30.18 2.61 -7.18	28.80 2.69 -6.36	26.10 1.51 -13.08
MOONROAD_115KV_HARTFLD_TB1-2 355988	10.06 0.07 -2.59	8.42 -0.02 -2.21	7.31 -0.01 -2.22	7.25 0.01 -2.15	8.01 0.02 -2.03	9.70 0.06 -2.15	13.00 0.06 -2.98	13.16 -0.03 -3.72	13.13 -0.12 -2.39	12.99 -0.14 -1.44	12.29 0.08 -1.38	10.03 0.10 -1.76	9.57 0.14 -1.85	9.76 0.12 -1.91	9.27 0.10 -2.09	9.59 0.11 -2.18	9.68 0.15 -2.58	13.00 0.25 -3.71	16.27 0.35 -3.68	20.33 0.34 -3.10	25.54 0.14 -1.72	21.86 0.12 -1.35	20.28 0.08 -0.44	13.46 0.26 -1.68
MORTIMER_115KV_TB3 55949	9.30 0.04 -1.88	7.82 -0.02 -1.60	6.69 -0.02 -1.61	6.65 -0.01 -1.56	7.43 -0.01 -1.47	9.08 0.03 -1.56	12.14 0.02 -2.16	12.13 -0.04 -2.69	12.51 -0.09 -1.74	12.61 -0.13 -1.04	11.84 0.00 -1.01	9.47 0.02 -1.28	8.96 0.03 -1.35	9.15 0.03 -1.39	8.65 0.05 -1.52	8.92 0.04 -1.59	8.89 0.06 -1.88	11.78 0.09 -2.65	14.91 0.05 -2.63	19.06 -0.03 -2.21	24.64 -0.26 -1.22	21.15 -0.20 -0.96	19.87 -0.20 -0.32	12.71 0.00 -1.20
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.70 0.45 -11.76	26.89 0.66 -16.27	30.43 0.65 -20.30	24.76 0.87 -13.03	20.50 0.98 -7.81	19.26 0.90 -7.54	18.42 0.69 -9.55	18.35 0.66 -10.10	18.72 0.68 -10.31	17.28 0.61 -9.59	19.64 0.64 -11.70	21.63 0.61 -14.07	29.94 0.79 -20.11	33.36 1.02 -20.11	34.74 1.30 -16.56	34.63 1.80 -9.15	28.96 1.39 -7.18	23.52 1.40 -2.36	21.29 0.79 -8.99
MUNSVILLE_WIND_PWR 323609	12.05 0.46 -4.20	10.27 0.44 -3.59	9.05 0.35 -3.60	8.94 0.35 -3.48	9.69 0.44 -3.29	11.48 0.50 -3.49	15.64 0.85 -4.83	16.22 0.72 -6.03	15.39 0.66 -3.87	14.56 0.54 -2.32	13.56 0.49 -2.24	11.35 0.34 -2.84	10.84 0.25 -3.00	11.10 0.27 -3.10	10.74 0.28 -3.38	11.09 0.26 -3.53	11.51 0.37 -4.18	15.37 0.45 -5.88	18.82 0.75 -5.84	23.04 1.23 -4.92	28.34 1.94 -2.72	24.12 1.59 -2.13	21.90 1.44 -0.70	15.11 0.93 -2.67
N SALMON___HYD 24042	7.24 -0.15 0.00	6.11 -0.12 0.00	4.98 -0.12 0.00	5.00 -0.10 0.00	5.86 -0.10 0.00	7.37 -0.11 0.00	9.77 -0.19 0.00	9.28 -0.19 0.00	10.60 -0.26 0.00	11.52 -0.18 0.00	10.49 -0.34 0.00	4.33 -0.37 3.48	3.42 -0.36 3.80	2.42 -0.40 4.91	2.11 -0.35 4.62	2.11 -0.40 4.80	6.48 -0.47 0.00	8.55 -0.49 0.00	11.76 -0.48 0.00	16.46 -0.42 0.00	23.21 -0.47 0.00	20.11 -0.29 0.00	19.54 -0.22 0.00	11.37 -0.14 0.00
N.AKRON__115KV_KNAPP 355671	9.65 -0.01 -2.27	8.09 -0.08 -1.94	7.00 -0.05 -1.94	6.95 -0.04 -1.88	7.68 -0.06 -1.77	9.33 -0.04 -1.88	12.43 -0.14 -2.61	12.46 -0.27 -3.25	12.61 -0.35 -2.09	12.56 -0.40 -1.26	11.87 -0.17 -1.21	9.59 -0.12 -1.54	9.15 -0.06 -1.62	9.33 -0.08 -1.67	8.85 -0.06 -1.82	9.14 -0.07 -1.91	9.18 -0.03 -2.26	12.18 -0.05 -3.19	15.28 -0.12 -3.17	19.15 -0.41 -2.67	24.26 -0.90 -1.48	20.82 -0.73 -1.16	19.47 -0.67 -0.38	12.80 -0.16 -1.45
N.BELMOR_69_KV_BK1 55787	28.41 0.63 -20.39	20.61 0.52 -13.86	21.51 0.43 -15.98	19.45 0.42 -13.92	20.11 0.50 -13.65	26.99 0.61 -18.89	30.14 0.86 -19.32	30.59 0.81 -20.31	29.30 1.05 -17.38	24.41 1.17 -11.54	25.55 1.04 -13.68	24.70 0.79 -15.74	24.88 0.76 -16.54	25.12 0.77 -16.62	25.36 0.73 -17.55	25.31 0.74 -17.27	26.82 0.70 -19.17	30.79 0.93 -20.82	35.26 1.20 -21.83	37.72 1.57 -19.26	39.84 2.20 -13.95	29.29 1.71 -7.18	27.89 1.78 -6.36	25.61 1.02 -13.08
N.E_GEN_SANDY PD 24062	23.63 0.35 -15.89	20.11 0.30 -13.57	18.95 0.24 -13.61	18.52 0.24 -13.17	18.68 0.29 -12.43	21.06 0.37 -13.21	28.69 0.46 -18.27	32.70 0.43 -22.80	26.00 0.51 -14.63	21.00 0.53 -8.77	19.80 0.51 -8.46	19.30 0.39 -10.73	19.28 0.36 -11.34	19.80 0.36 -11.71	20.17 0.33 -12.75	20.98 0.34 -13.33	23.10 0.33 -15.82	29.68 0.43 -20.20	31.95 0.58 -19.14	36.26 0.78 -18.59	35.00 1.04 -10.28	29.37 0.92 -8.06	23.30 0.89 -2.65	22.07 0.47 -10.09

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	21.55 0.44 -13.72	18.32 0.37 -11.71	17.15 0.30 -11.75	16.77 0.30 -11.37	17.05 0.35 -10.73	19.32 0.43 -11.40	26.34 0.61 -15.77	29.75 0.60 -19.68	24.28 0.79 -12.63	20.15 0.88 -7.57	18.92 0.79 -7.30	18.04 0.61 -9.26	17.96 0.58 -9.79	18.44 0.60 -10.11	18.63 0.54 -11.01	19.38 0.57 -11.51	21.15 0.55 -13.65	29.22 0.70 -19.48	32.64 0.93 -19.48	34.13 1.20 -16.05	34.19 1.63 -8.87	28.66 1.31 -6.96	23.35 1.30 -2.29	20.95 0.74 -8.71
N.QUEENS_27_KV_LOAD 356247	22.02 0.47 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.17 0.34 -11.73	17.42 0.39 -11.07	19.66 0.41 -11.76	26.85 0.62 -16.27	30.40 0.63 -20.30	24.75 0.86 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	19.00 0.72 -10.55	20.96 0.64 -13.23	20.03 0.68 -12.05	21.70 0.65 -14.10	29.95 0.80 -20.11	33.37 1.03 -20.11	34.74 1.30 -16.56	34.61 1.78 -9.15	28.88 1.31 -7.18	23.44 1.32 -2.36	21.30 0.81 -8.99
N.TROY___115KV_TB1 355778	25.05 0.32 -17.34	21.31 0.26 -14.81	20.16 0.21 -14.85	19.69 0.21 -14.37	19.78 0.25 -13.56	22.22 0.32 -14.41	30.33 0.43 -19.95	34.75 0.39 -24.89	27.27 0.43 -15.97	21.73 0.46 -9.58	20.51 0.44 -9.24	20.23 0.34 -11.71	20.27 0.30 -12.38	20.81 0.30 -12.78	21.29 0.28 -13.92	22.15 0.29 -14.56	24.49 0.28 -17.27	33.30 0.37 -23.88	36.25 0.49 -23.53	37.86 0.69 -20.28	35.91 1.02 -11.21	30.09 0.90 -8.80	23.48 0.83 -2.89	22.94 0.43 -11.01
NARROWS_GT1_1 24228	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT1_2 24229	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT1_3 24230	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT1_4 24231	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT1_5 24232	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT1_6 24233	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT1_7 24234	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT1_8 24235	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT2_1 24236	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT2_2 24237	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT2_3 24238	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT2_4 24239	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99

NARROWS_GT2_5 24240	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT2_6 24241	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT2_7 24242	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NARROWS_GT2_8 24243	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	23.82 0.31 -16.12	20.27 0.27 -13.76	19.12 0.22 -13.80	18.68 0.22 -13.36	18.83 0.26 -12.60	21.25 0.37 -13.39	28.88 0.41 -18.52	32.95 0.37 -23.10	26.16 0.48 -14.83	21.01 0.42 -8.89	19.73 0.32 -8.57	19.30 0.25 -10.87	19.30 0.22 -11.50	19.81 0.22 -11.87	20.22 0.21 -12.92	21.03 0.22 -13.51	23.21 0.23 -16.03	31.82 0.35 -22.42	34.96 0.50 -22.23	36.58 0.84 -18.85	35.22 1.11 -10.42	29.63 1.06 -8.17	23.37 0.93 -2.69	22.19 0.45 -10.23
NCHELSEA_115KV_TR2 355582	21.92 0.42 -14.11	18.66 0.37 -12.05	17.49 0.30 -12.08	17.10 0.30 -11.70	17.35 0.35 -11.04	19.67 0.46 -11.73	26.76 0.58 -16.22	30.28 0.57 -20.24	24.63 0.78 -12.99	20.33 0.84 -7.79	19.06 0.71 -7.51	18.26 0.56 -9.53	18.19 0.54 -10.07	18.67 0.55 -10.40	18.90 0.49 -11.32	19.65 0.51 -11.84	21.49 0.50 -14.04	29.68 0.65 -19.99	33.09 0.89 -19.97	34.61 1.22 -16.51	34.39 1.59 -9.13	28.84 1.28 -7.16	23.41 1.30 -2.35	21.18 0.71 -8.96
NEG CAPITAL___MECHNVIL 23645	25.31 0.34 -17.58	21.53 0.27 -15.01	20.38 0.22 -15.06	19.90 0.22 -14.57	19.98 0.26 -13.75	22.43 0.34 -14.61	30.65 0.48 -20.21	35.16 0.44 -25.25	27.51 0.47 -16.19	21.94 0.54 -9.71	20.71 0.51 -9.37	20.44 0.38 -11.88	20.50 0.35 -12.56	21.05 0.36 -12.97	21.55 0.34 -14.12	22.42 0.35 -14.77	24.77 0.30 -17.52	33.74 0.41 -24.29	36.76 0.56 -23.97	38.32 0.84 -20.59	36.27 1.21 -11.38	30.42 1.10 -8.93	23.66 0.97 -2.94	23.15 0.48 -11.16
NEG CENTRAL_HIGH_ACRES 23767	9.17 -0.06 -1.84	7.73 -0.08 -1.57	6.61 -0.07 -1.58	6.57 -0.06 -1.53	7.34 -0.07 -1.44	8.97 -0.05 -1.53	12.02 -0.06 -2.12	12.02 -0.09 -2.64	12.40 -0.15 -1.70	12.52 -0.20 -1.02	11.72 -0.10 -0.99	9.39 -0.04 -1.25	8.88 -0.02 -1.32	9.05 -0.04 -1.37	8.54 -0.03 -1.49	8.83 -0.03 -1.55	8.75 -0.03 -1.83	11.60 -0.02 -2.58	14.69 -0.11 -2.57	18.82 -0.24 -2.17	24.52 -0.35 -1.20	20.95 -0.39 -0.94	19.67 -0.39 -0.31	12.53 -0.15 -1.17
NEG CENTRAL___DRP 24199	9.50 0.13 -1.98	8.03 0.10 -1.69	6.87 0.08 -1.70	6.83 0.08 -1.64	7.63 0.11 -1.55	9.29 0.16 -1.65	12.51 0.27 -2.28	12.54 0.23 -2.84	12.89 0.20 -1.83	12.96 0.16 -1.10	12.08 0.19 -1.06	9.69 0.16 -1.34	9.15 0.15 -1.42	9.34 0.15 -1.46	8.80 0.12 -1.59	9.11 0.15 -1.67	9.09 0.17 -1.97	12.00 0.19 -2.77	15.20 0.22 -2.75	19.49 0.29 -2.32	25.36 0.40 -1.28	21.70 0.31 -1.01	20.32 0.24 -0.33	12.95 0.18 -1.26
NEG CENTRAL___INDECK 23768	10.25 0.50 -2.37	8.64 0.38 -2.02	7.43 0.30 -2.03	7.38 0.32 -1.96	8.20 0.39 -1.85	10.01 0.55 -1.97	13.49 0.81 -2.72	13.58 0.71 -3.39	13.68 0.64 -2.18	13.62 0.62 -1.31	12.72 0.63 -1.27	10.28 0.50 -1.60	9.68 0.40 -1.70	9.85 0.37 -1.75	9.35 0.35 -1.91	9.68 0.39 -1.99	9.69 0.39 -2.35	12.96 0.61 -3.31	16.30 0.77 -3.30	20.76 1.10 -2.78	26.87 1.66 -1.54	22.92 1.32 -1.21	21.32 1.17 -0.40	13.76 0.75 -1.50
NEG CENTRAL___SENECA 23627	9.76 0.21 -2.15	8.24 0.16 -1.84	7.07 0.13 -1.84	7.02 0.14 -1.78	7.82 0.17 -1.68	9.52 0.25 -1.79	12.81 0.38 -2.47	12.89 0.33 -3.09	13.16 0.30 -1.99	13.16 0.27 -1.19	12.28 0.30 -1.15	9.88 0.25 -1.46	9.35 0.23 -1.54	9.53 0.22 -1.59	8.99 0.18 -1.73	9.33 0.22 -1.81	9.35 0.25 -2.15	12.34 0.28 -3.02	15.58 0.35 -2.99	19.88 0.47 -2.52	25.69 0.62 -1.40	21.98 0.49 -1.09	20.53 0.41 -0.36	13.18 0.30 -1.37
NEG CENTRAL___STATE_STREET 24147	9.43 0.08 -1.95	7.96 0.06 -1.67	6.82 0.04 -1.67	6.77 0.05 -1.62	7.56 0.07 -1.53	9.21 0.10 -1.62	12.40 0.19 -2.25	12.45 0.17 -2.80	12.81 0.14 -1.81	12.90 0.12 -1.08	12.02 0.14 -1.05	9.63 0.13 -1.33	9.10 0.12 -1.40	9.28 0.12 -1.44	8.82 0.16 -1.57	9.06 0.12 -1.64	9.03 0.14 -1.94	12.00 0.23 -2.73	15.10 0.16 -2.71	19.39 0.22 -2.28	25.27 0.33 -1.26	21.63 0.24 -0.99	20.28 0.20 -0.33	12.88 0.14 -1.24
NEG MILLWOOD___DRP 24198	22.12 0.48 -14.25	18.80 0.39 -12.17	17.62 0.32 -12.21	17.23 0.32 -11.81	17.48 0.36 -11.15	19.79 0.46 -11.84	26.98 0.64 -16.39	30.56 0.64 -20.45	24.75 0.77 -13.12	20.45 0.88 -7.87	19.19 0.77 -7.59	18.37 0.57 -9.62	18.34 0.58 -10.17	18.82 0.59 -10.50	19.05 0.52 -11.44	19.82 0.55 -11.96	21.68 0.54 -14.19	29.97 0.71 -20.21	33.40 0.97 -20.20	34.83 1.27 -16.67	34.58 1.68 -9.22	29.01 1.39 -7.23	23.54 1.40 -2.38	21.32 0.76 -9.05
NEG NORTH_FLCN_SEA 23793	7.30 -0.09 0.00	6.15 -0.09 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.44 -0.04 0.00	9.85 -0.11 0.00	9.37 -0.10 0.00	10.69 -0.17 0.00	11.56 -0.14 0.00	10.53 -0.30 0.00	5.06 -0.32 2.80	4.20 -0.33 3.05	3.41 -0.38 3.94	3.05 -0.33 3.71	3.05 -0.40 3.85	6.52 -0.42 0.00	8.63 -0.41 0.00	11.80 -0.43 0.00	16.56 -0.32 0.00	23.42 -0.26 0.00	20.29 -0.10 0.00	19.70 -0.06 0.00	11.47 -0.03 0.00
NEG NORTH_KES_CHATEGAY 23792	7.23 -0.16 0.00	6.09 -0.14 0.00	4.97 -0.13 0.00	4.99 -0.11 0.00	5.85 -0.11 0.00	7.36 -0.13 0.00	9.74 -0.22 0.00	9.26 -0.22 0.00	10.57 -0.29 0.00	11.42 -0.28 0.00	10.41 -0.42 0.00	4.80 -0.40 2.98	3.92 -0.41 3.25	3.07 -0.46 4.20	2.73 -0.40 3.95	2.73 -0.47 4.10	6.46 -0.49 0.00	8.54 -0.50 0.00	11.68 -0.55 0.00	16.40 -0.49 0.00	23.18 -0.50 0.00	20.07 -0.33 0.00	19.48 -0.28 0.00	11.35 -0.16 0.00

NEG NORTH___ALICE_FALLS 23915	7.30 -0.09 0.00	6.16 -0.08 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.45 -0.04 0.00	9.87 -0.09 0.00	9.39 -0.09 0.00	10.70 -0.16 0.00	11.57 -0.13 0.00	10.53 -0.30 0.00	5.03 -0.32 2.83	4.17 -0.33 3.08	3.37 -0.37 3.98	3.00 -0.33 3.75	3.01 -0.40 3.89	6.52 -0.42 0.00	8.64 -0.40 0.00	11.83 -0.40 0.00	16.61 -0.27 0.00	23.49 -0.19 0.00	20.35 -0.04 0.00	19.72 -0.04 0.00	11.47 -0.03 0.00
NEG NORTH___LWR_SARANAC 23913	7.30 -0.09 0.00	6.16 -0.08 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.45 -0.04 0.00	9.87 -0.09 0.00	9.39 -0.09 0.00	10.70 -0.16 0.00	11.57 -0.13 0.00	10.53 -0.30 0.00	5.03 -0.32 2.83	4.17 -0.33 3.08	3.37 -0.37 3.98	3.00 -0.33 3.75	3.01 -0.40 3.89	6.52 -0.42 0.00	8.64 -0.40 0.00	11.83 -0.40 0.00	16.61 -0.27 0.00	23.49 -0.19 0.00	20.35 -0.04 0.00	19.72 -0.04 0.00	11.47 -0.03 0.00
NEG NORTH___PLATTSBURG 23628	7.30 -0.09 0.00	6.16 -0.08 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.91 -0.05 0.00	7.45 -0.04 0.00	9.87 -0.09 0.00	9.39 -0.09 0.00	10.70 -0.16 0.00	11.57 -0.13 0.00	10.53 -0.30 0.00	5.03 -0.32 2.83	4.17 -0.33 3.08	3.37 -0.37 3.98	3.00 -0.33 3.75	3.01 -0.40 3.89	6.53 -0.42 0.00	8.64 -0.40 0.00	11.89 -0.34 0.00	16.68 -0.20 0.00	23.49 -0.19 0.00	20.35 -0.04 0.00	19.72 -0.04 0.00	11.47 -0.03 0.00
NEG WEST_LEA_LOCKPORT 23791	9.61 -0.07 -2.29	8.06 -0.12 -1.95	6.98 -0.08 -1.96	6.93 -0.07 -1.90	7.65 -0.10 -1.79	9.28 -0.11 -1.90	12.36 -0.23 -2.63	12.39 -0.36 -3.28	12.53 -0.45 -2.11	12.46 -0.50 -1.27	11.78 -0.27 -1.22	9.55 -0.18 -1.55	9.11 -0.11 -1.64	9.29 -0.13 -1.69	8.83 -0.10 -1.84	9.11 -0.12 -1.92	9.16 -0.07 -2.28	12.15 -0.12 -3.22	15.21 -0.22 -3.20	19.03 -0.56 -2.70	24.01 -1.16 -1.49	20.63 -0.94 -1.17	19.27 -0.87 -0.38	12.72 -0.25 -1.46
NEG WEST___LANCASTR 23811	9.88 -0.13 -2.62	8.31 -0.17 -2.24	7.21 -0.13 -2.24	7.15 -0.12 -2.17	7.87 -0.14 -2.05	9.49 -0.17 -2.18	12.71 -0.26 -3.01	12.90 -0.33 -3.76	12.85 -0.43 -2.42	12.65 -0.50 -1.45	11.93 -0.30 -1.40	9.75 -0.20 -1.78	9.32 -0.14 -1.88	9.51 -0.15 -1.94	9.06 -0.13 -2.11	9.36 -0.15 -2.21	9.46 -0.10 -2.61	12.58 -0.14 -3.69	15.66 -0.23 -3.66	19.48 -0.49 -3.08	24.39 -0.99 -1.71	20.87 -0.86 -1.34	19.37 -0.83 -0.44	12.89 -0.29 -1.67
NEG_PENN_ALLEGHNY 23528	12.00 0.16 -4.45	10.17 0.13 -3.80	9.01 0.10 -3.81	8.90 0.11 -3.69	9.57 0.13 -3.48	11.35 0.16 -3.70	15.33 0.26 -5.11	16.06 0.21 -6.38	15.17 0.22 -4.09	14.35 0.20 -2.46	13.43 0.23 -2.37	11.37 0.19 -3.01	10.95 0.19 -3.18	11.19 0.19 -3.28	10.83 0.17 -3.57	11.22 0.18 -3.73	11.56 0.19 -4.43	15.49 0.23 -6.22	18.67 0.26 -6.18	22.41 0.32 -5.21	26.99 0.43 -2.88	22.98 0.33 -2.26	20.80 0.30 -0.74	14.56 0.23 -2.82
NEG___GEN_MONROE 24207	9.39 0.12 -1.88	7.88 0.04 -1.60	6.75 0.04 -1.61	6.71 0.06 -1.56	7.50 0.07 -1.47	9.17 0.13 -1.56	12.26 0.14 -2.16	12.24 0.08 -2.69	12.61 0.01 -1.74	12.70 -0.05 -1.04	11.88 0.04 -1.01	9.51 0.06 -1.28	9.00 0.07 -1.35	9.18 0.06 -1.39	8.66 0.06 -1.52	8.95 0.06 -1.59	8.89 0.06 -1.88	11.80 0.12 -2.65	15.01 0.15 -2.63	19.22 0.12 -2.21	24.88 -0.02 -1.22	21.35 0.00 -0.96	20.07 0.00 -0.32	12.84 0.13 -1.20
NEPA___ENERGY 23901	10.43 -0.01 -3.06	8.79 -0.06 -2.61	7.68 -0.04 -2.62	7.61 -0.03 -2.54	8.32 -0.04 -2.39	9.98 -0.04 -2.54	13.41 -0.07 -3.52	13.70 -0.16 -4.39	13.46 -0.23 -2.82	13.12 -0.27 -1.69	12.32 -0.14 -1.63	10.17 -0.08 -2.07	9.73 -0.04 -2.19	9.94 -0.05 -2.26	9.51 -0.04 -2.46	9.84 -0.04 -2.57	10.01 0.01 -3.05	12.95 0.17 -3.73	16.11 0.17 -3.71	20.06 0.05 -3.12	25.15 -0.26 -1.73	21.54 -0.20 -1.35	20.00 -0.20 -0.45	13.30 0.09 -1.70
NEVERSINK___HYD 23608	19.72 0.34 -11.99	16.80 0.33 -10.24	15.64 0.28 -10.27	15.30 0.26 -9.94	15.66 0.32 -9.38	17.91 0.46 -9.96	24.23 0.49 -13.78	27.15 0.48 -17.20	22.67 0.77 -11.04	19.11 0.80 -6.62	17.83 0.62 -6.38	16.73 0.46 -8.09	16.58 0.44 -8.56	17.01 0.45 -8.83	17.09 0.38 -9.62	17.77 0.41 -10.06	19.30 0.42 -11.93	26.54 0.56 -16.94	29.94 0.81 -16.90	32.07 1.16 -14.02	32.88 1.44 -7.75	27.70 1.22 -6.08	23.00 1.25 -2.00	19.77 0.66 -7.61
NEWKRMKL_115KV_TB1 55635	24.90 0.35 -17.16	21.18 0.29 -14.65	20.03 0.24 -14.69	19.56 0.24 -14.22	19.66 0.28 -13.42	22.10 0.35 -14.26	30.14 0.46 -19.73	34.51 0.43 -24.61	27.15 0.50 -15.79	21.69 0.51 -9.47	20.46 0.50 -9.13	20.14 0.38 -11.58	20.18 0.35 -12.25	20.72 0.35 -12.64	21.17 0.32 -13.77	22.03 0.34 -14.39	24.35 0.33 -17.08	33.17 0.42 -23.72	36.21 0.56 -23.42	37.75 0.79 -20.07	35.91 1.14 -11.10	30.10 1.00 -8.70	23.55 0.93 -2.86	22.90 0.49 -10.89
NEWTON___FALLS_HYD 23847	7.70 -0.14 -0.45	6.54 -0.09 -0.39	5.41 -0.08 -0.39	5.40 -0.08 -0.38	6.21 -0.11 -0.35	7.72 -0.14 -0.38	10.30 -0.18 -0.52	9.93 -0.22 -0.67	10.99 -0.30 -0.43	11.71 -0.25 -0.26	10.77 -0.30 -0.25	-1.57 -0.29 9.46	-3.05 -0.30 10.33	-6.00 -0.30 13.43	-5.74 -0.24 12.59	-5.99 -0.23 13.06	7.02 -0.40 -0.47	9.26 -0.44 -0.66	12.43 -0.43 -0.63	16.98 -0.44 -0.53	23.50 -0.47 -0.29	20.26 -0.37 -0.23	19.61 -0.22 -0.08	11.67 -0.13 -0.29
NGRID_A1_DSASP 323792	9.53 -0.18 -2.31	7.99 -0.22 -1.98	6.92 -0.16 -1.98	6.87 -0.15 -1.92	7.58 -0.19 -1.81	9.18 -0.23 -1.92	12.25 -0.37 -2.66	12.27 -0.50 -3.30	12.38 -0.61 -2.12	12.31 -0.67 -1.28	11.61 -0.45 -1.24	9.44 -0.30 -1.57	9.02 -0.22 -1.66	9.18 -0.25 -1.71	8.76 -0.19 -1.86	9.04 -0.21 -1.95	9.01 -0.22 -2.28	12.02 -0.24 -3.22	15.01 -0.43 -3.21	18.73 -0.86 -2.71	23.76 -1.42 -1.50	20.29 -1.28 -1.18	18.98 -1.17 -0.39	12.55 -0.43 -1.47
NGRID_A2_DSASP 323793	9.53 -0.18 -2.31	7.99 -0.22 -1.98	6.92 -0.16 -1.98	6.87 -0.15 -1.92	7.58 -0.19 -1.81	9.18 -0.23 -1.92	12.25 -0.37 -2.66	12.27 -0.50 -3.30	12.38 -0.61 -2.12	12.31 -0.67 -1.28	11.61 -0.45 -1.24	9.44 -0.30 -1.57	9.02 -0.22 -1.66	9.18 -0.25 -1.71	8.76 -0.19 -1.86	9.04 -0.21 -1.95	9.01 -0.22 -2.28	12.02 -0.24 -3.22	15.01 -0.43 -3.21	18.73 -0.86 -2.71	23.76 -1.42 -1.50	20.29 -1.28 -1.18	18.98 -1.17 -0.39	12.55 -0.43 -1.47
NGRID_A4_DSASP 323807	9.53 -0.18 -2.31	7.99 -0.22 -1.98	6.92 -0.16 -1.98	6.87 -0.15 -1.92	7.58 -0.19 -1.81	9.18 -0.23 -1.92	12.25 -0.37 -2.66	12.27 -0.50 -3.30	12.39 -0.61 -2.14	12.31 -0.67 -1.28	11.63 -0.43 -1.24	9.44 -0.30 -1.57	9.02 -0.22 -1.66	9.18 -0.26 -1.71	8.76 -0.19 -1.86	9.04 -0.21 -1.95	9.08 -0.15 -2.29	12.05 -0.24 -3.25	15.05 -0.40 -3.22	18.78 -0.83 -2.72	23.65 -1.54 -1.51	20.29 -1.28 -1.18	18.96 -1.19 -0.39	12.56 -0.43 -1.48
NIAGARA_115E_LBMP 323715	9.53 -0.16 -2.31	8.00 -0.21 -1.97	6.94 -0.14 -1.97	6.89 -0.13 -1.91	7.59 -0.18 -1.80	9.19 -0.22 -1.92	12.23 -0.38 -2.65	12.26 -0.52 -3.31	12.34 -0.64 -2.12	12.28 -0.69 -1.27	11.60 -0.47 -1.23	9.43 -0.31 -1.56	9.00 -0.24 -1.65	9.18 -0.25 -1.71	8.72 -0.22 -1.86	9.01 -0.23 -1.94	9.00 -0.24 -2.29	12.00 -0.26 -3.22	15.00 -0.45 -3.22	18.72 -0.88 -2.71	23.73 -1.45 -1.50	20.29 -1.28 -1.18	18.96 -1.18 -0.39	12.53 -0.44 -1.46

NIAGARA_115W_LBMP 323714	9.50 -0.20 -2.31	7.98 -0.23 -1.97	6.90 -0.18 -1.98	6.85 -0.17 -1.91	7.56 -0.21 -1.81	9.15 -0.25 -1.92	12.22 -0.40 -2.66	12.24 -0.53 -3.30	12.34 -0.64 -2.12	12.27 -0.70 -1.28	11.59 -0.48 -1.24	9.43 -0.32 -1.57	9.00 -0.24 -1.66	9.16 -0.28 -1.71	8.73 -0.21 -1.86	9.01 -0.23 -1.94	8.99 -0.24 -2.28	12.00 -0.25 -3.21	14.97 -0.46 -3.20	18.68 -0.91 -2.70	23.69 -1.49 -1.50	20.25 -1.33 -1.18	18.92 -1.22 -0.39	12.51 -0.46 -1.47
NIAGARA_230_LBMP 323716	9.57 -0.10 -2.28	8.04 -0.15 -1.95	6.95 -0.11 -1.96	6.89 -0.10 -1.89	7.62 -0.13 -1.79	9.23 -0.15 -1.90	12.33 -0.26 -2.62	12.36 -0.39 -3.28	12.48 -0.48 -2.10	12.42 -0.54 -1.26	11.71 -0.34 -1.22	9.51 -0.21 -1.55	9.08 -0.14 -1.64	9.25 -0.16 -1.69	8.80 -0.12 -1.84	9.10 -0.13 -1.92	9.08 -0.15 -2.27	12.10 -0.14 -3.19	15.12 -0.29 -3.18	18.91 -0.66 -2.68	24.00 -1.16 -1.48	20.50 -1.06 -1.16	19.19 -0.95 -0.38	12.65 -0.31 -1.45
NIAGARA__115KV_198_GIBSON 55903	9.50 -0.20 -2.31	7.98 -0.23 -1.97	6.90 -0.18 -1.98	6.85 -0.17 -1.91	7.56 -0.21 -1.81	9.16 -0.25 -1.92	12.22 -0.40 -2.66	12.24 -0.53 -3.30	12.35 -0.64 -2.14	12.28 -0.70 -1.28	11.61 -0.45 -1.24	9.43 -0.32 -1.57	9.00 -0.24 -1.65	9.16 -0.28 -1.71	8.73 -0.21 -1.86	9.01 -0.23 -1.95	9.06 -0.17 -2.28	12.02 -0.26 -3.24	15.01 -0.44 -3.22	18.72 -0.88 -2.71	23.58 -1.61 -1.51	20.25 -1.33 -1.18	18.92 -1.22 -0.39	12.53 -0.46 -1.48
NIAGARA____ 23760	9.51 -0.18 -2.31	7.99 -0.22 -1.97	6.92 -0.16 -1.98	6.86 -0.15 -1.91	7.57 -0.20 -1.81	9.17 -0.23 -1.92	12.23 -0.39 -2.65	12.28 -0.49 -3.30	12.38 -0.60 -2.12	12.33 -0.64 -1.27	11.62 -0.44 -1.23	9.45 -0.29 -1.56	9.01 -0.22 -1.65	9.18 -0.25 -1.70	8.74 -0.21 -1.86	9.02 -0.23 -1.94	9.01 -0.22 -2.29	12.02 -0.24 -3.21	15.02 -0.42 -3.20	18.76 -0.83 -2.70	23.85 -1.33 -1.49	20.36 -1.20 -1.17	19.02 -1.13 -0.39	12.53 -0.44 -1.46
NINE_MILE_1 23575	8.38 -0.18 -1.17	7.07 -0.16 -1.00	5.97 -0.13 -1.00	5.94 -0.13 -0.97	6.73 -0.15 -0.91	8.28 -0.18 -0.97	11.08 -0.22 -1.34	10.92 -0.23 -1.68	11.65 -0.28 -1.08	12.02 -0.33 -0.64	11.18 -0.27 -0.62	8.78 -0.19 -0.79	8.25 -0.17 -0.84	8.41 -0.18 -0.86	7.85 -0.17 -0.94	8.12 -0.16 -0.98	7.96 -0.15 -1.16	10.47 -0.21 -1.63	13.54 -0.32 -1.63	17.80 -0.46 -1.37	23.82 -0.62 -0.76	20.44 -0.55 -0.59	19.40 -0.55 -0.20	11.96 -0.29 -0.74
NINE_MILE_2 23744	8.38 -0.18 -1.17	7.07 -0.16 -1.00	5.97 -0.13 -1.00	5.94 -0.13 -0.97	6.73 -0.15 -0.91	8.28 -0.18 -0.97	11.08 -0.22 -1.34	10.92 -0.23 -1.68	11.65 -0.28 -1.07	12.02 -0.33 -0.64	11.18 -0.27 -0.62	8.78 -0.19 -0.79	8.24 -0.17 -0.84	8.41 -0.18 -0.86	7.85 -0.17 -0.94	8.12 -0.16 -0.98	7.96 -0.15 -1.16	10.47 -0.21 -1.63	13.54 -0.32 -1.62	17.80 -0.46 -1.37	23.82 -0.62 -0.76	20.44 -0.55 -0.59	19.40 -0.55 -0.20	11.96 -0.29 -0.74
NM_CAPITAL____DRP 24208	24.82 0.34 -17.09	21.11 0.28 -14.59	19.96 0.23 -14.63	19.50 0.23 -14.16	19.60 0.27 -13.37	22.03 0.34 -14.20	30.04 0.44 -19.65	34.39 0.41 -24.51	27.07 0.48 -15.73	21.62 0.49 -9.43	20.40 0.48 -9.10	20.07 0.36 -11.54	20.11 0.33 -12.20	20.65 0.33 -12.59	21.10 0.30 -13.71	21.95 0.31 -14.34	24.26 0.31 -17.01	33.03 0.40 -23.59	36.05 0.53 -23.29	37.60 0.73 -19.99	35.77 1.04 -11.05	30.00 0.94 -8.67	23.48 0.87 -2.85	22.82 0.46 -10.85
NM_CENTRAL____DRP 24181	8.83 -0.01 -1.44	7.46 -0.01 -1.23	6.32 -0.02 -1.24	6.29 -0.01 -1.20	7.09 -0.01 -1.13	8.68 -0.01 -1.20	11.65 0.03 -1.66	11.55 0.01 -2.07	12.18 -0.01 -1.33	12.46 -0.04 -0.80	11.61 0.01 -0.77	9.41 0.02 -1.20	8.90 0.03 -1.28	9.14 0.02 -1.39	8.56 0.01 -1.46	8.86 0.03 -1.53	8.43 0.04 -1.43	11.08 0.03 -2.02	14.22 -0.01 -2.00	18.54 -0.03 -1.69	24.54 -0.07 -0.93	21.04 -0.08 -0.73	19.90 -0.10 -0.24	12.39 -0.03 -0.91
NM_FRONTIER____DRP 24179	9.50 -0.20 -2.31	7.98 -0.23 -1.97	6.90 -0.18 -1.98	6.85 -0.17 -1.91	7.56 -0.21 -1.81	9.16 -0.25 -1.92	12.22 -0.40 -2.66	12.24 -0.53 -3.30	12.35 -0.64 -2.14	12.28 -0.70 -1.28	11.61 -0.45 -1.24	9.43 -0.32 -1.57	9.00 -0.24 -1.65	9.16 -0.28 -1.71	8.73 -0.21 -1.86	9.01 -0.23 -1.95	9.06 -0.17 -2.28	12.02 -0.26 -3.24	15.01 -0.44 -3.22	18.72 -0.88 -2.71	23.58 -1.61 -1.51	20.25 -1.33 -1.18	18.92 -1.22 -0.39	12.53 -0.46 -1.48
NM_ST_REGIS____HYD 24053	7.16 -0.23 0.00	6.06 -0.17 0.00	4.95 -0.15 0.00	4.95 -0.15 0.00	5.80 -0.17 0.00	7.28 -0.20 0.00	9.64 -0.32 0.00	9.12 -0.35 0.00	10.41 -0.45 0.00	11.41 -0.29 0.00	10.44 -0.39 0.00	3.05 -0.47 4.66	2.04 -0.46 5.09	0.69 -0.46 6.57	0.51 -0.39 6.19	0.50 -0.38 6.42	6.39 -0.56 0.00	8.39 -0.65 0.00	11.54 -0.70 0.00	16.09 -0.79 0.00	22.76 -0.92 0.00	19.70 -0.69 0.00	19.30 -0.45 0.00	11.23 -0.28 0.00
NORTHPORT____1 23551	28.35 0.57 -20.39	20.57 0.47 -13.86	21.48 0.40 -15.98	19.42 0.40 -13.92	20.08 0.47 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.51 0.73 -20.31	29.23 0.99 -17.38	24.30 1.06 -11.54	25.45 0.94 -13.68	24.63 0.71 -15.74	24.80 0.67 -16.54	25.02 0.67 -16.62	25.26 0.63 -17.55	25.21 0.63 -17.27	26.72 0.60 -19.17	30.70 0.83 -20.82	35.16 1.10 -21.83	37.58 1.43 -19.26	39.46 1.82 -13.95	29.00 1.43 -7.18	27.78 1.66 -6.36	25.56 0.97 -13.08
NORTHPORT____2 23552	28.35 0.57 -20.39	20.57 0.47 -13.86	21.48 0.40 -15.98	19.42 0.40 -13.92	20.08 0.47 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.51 0.73 -20.31	29.23 0.99 -17.38	24.30 1.06 -11.54	25.45 0.94 -13.68	24.63 0.71 -15.74	24.80 0.67 -16.54	25.02 0.67 -16.62	25.26 0.63 -17.55	25.21 0.63 -17.27	26.72 0.60 -19.17	30.70 0.83 -20.82	35.16 1.10 -21.83	37.58 1.43 -19.26	39.46 1.82 -13.95	29.00 1.43 -7.18	27.78 1.66 -6.36	25.56 0.97 -13.08
NORTHPORT____3 23553	28.51 0.72 -20.39	20.69 0.59 -13.86	21.57 0.49 -15.98	19.52 0.49 -13.92	20.19 0.57 -13.65	27.09 0.71 -18.89	30.28 1.00 -19.32	30.71 0.93 -20.31	29.44 1.19 -17.38	24.55 1.31 -11.54	25.70 1.19 -13.68	24.81 0.89 -15.74	24.98 0.86 -16.54	25.22 0.87 -16.62	25.45 0.82 -17.55	25.41 0.83 -17.27	26.91 0.79 -19.17	30.94 1.07 -20.83	35.48 1.41 -21.84	37.99 1.84 -19.27	40.06 2.42 -13.96	29.55 1.98 -7.18	28.17 2.05 -6.36	25.77 1.17 -13.08
NORTHPORT____4 23650	28.51 0.72 -20.39	20.69 0.59 -13.86	21.57 0.49 -15.98	19.52 0.49 -13.92	20.19 0.57 -13.65	27.09 0.71 -18.89	30.28 1.00 -19.32	30.71 0.93 -20.31	29.44 1.19 -17.38	24.55 1.31 -11.54	25.70 1.19 -13.68	24.81 0.89 -15.74	24.98 0.86 -16.54	25.22 0.87 -16.62	25.45 0.82 -17.55	25.41 0.83 -17.27	26.91 0.79 -19.17	30.94 1.07 -20.83	35.48 1.41 -21.84	37.99 1.84 -19.27	40.06 2.42 -13.96	29.55 1.98 -7.18	28.17 2.05 -6.36	25.77 1.17 -13.08
NORTHPORT____IC 23718	28.35 0.57 -20.39	20.57 0.47 -13.86	21.48 0.40 -15.98	19.42 0.40 -13.92	20.08 0.47 -13.65	26.94 0.56 -18.89	30.08 0.80 -19.32	30.51 0.73 -20.31	29.23 0.99 -17.38	24.30 1.06 -11.54	25.45 0.94 -13.68	24.63 0.71 -15.74	24.80 0.67 -16.54	25.02 0.67 -16.62	25.26 0.63 -17.55	25.21 0.63 -17.27	26.72 0.60 -19.17	30.70 0.83 -20.82	35.16 1.10 -21.83	37.58 1.43 -19.26	39.46 1.82 -13.95	29.00 1.43 -7.18	27.78 1.66 -6.36	25.56 0.97 -13.08

NORTH____COUNTRY_ESR 323785	7.21 -0.18 0.00	6.07 -0.16 0.00	4.96 -0.14 0.00	4.98 -0.12 0.00	5.83 -0.13 0.00	7.34 -0.15 0.00	9.71 -0.25 0.00	9.24 -0.24 0.00	10.54 -0.32 0.00	11.41 -0.29 0.00	10.41 -0.42 0.00	4.79 -0.41 2.98	3.91 -0.42 3.26	3.06 -0.46 4.20	2.72 -0.40 3.96	2.72 -0.47 4.11	6.46 -0.49 0.00	8.53 -0.51 0.00	11.69 -0.54 0.00	16.39 -0.49 0.00	23.09 -0.59 0.00	20.01 -0.39 0.00	19.42 -0.34 0.00	11.32 -0.18 0.00
NPX_GEN_1385_PROXY 323591	28.22 0.44 -20.39	20.50 0.41 -13.86	21.40 0.32 -15.98	19.37 0.34 -13.92	20.00 0.39 -13.65	26.81 0.43 -18.89	29.97 0.69 -19.32	30.45 0.67 -20.31	29.11 0.87 -17.38	24.00 0.76 -11.54	25.25 0.74 -13.68	24.40 0.48 -15.74	24.60 0.48 -16.54	24.70 0.44 -16.53	24.60 0.33 -17.19	25.00 0.42 -17.27	26.62 0.50 -19.17	30.49 0.62 -20.82	34.93 0.87 -21.83	37.26 1.11 -19.26	39.15 1.52 -13.95	28.74 1.16 -7.18	27.52 1.40 -6.36	25.35 0.76 -13.08
NPX_GEN_CSC 323557	28.51 0.73 -20.39	20.69 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.56 1.32 -11.54	25.68 1.17 -13.68	24.79 0.87 -15.74	24.96 0.83 -16.54	25.20 0.85 -16.62	25.47 0.84 -17.55	25.39 0.82 -17.27	26.90 0.78 -19.17	31.00 1.13 -20.82	35.54 1.48 -21.83	38.12 1.97 -19.26	40.15 2.51 -13.96	29.57 2.00 -7.18	28.23 2.11 -6.36	25.79 1.20 -13.08
NSINS_S_GLNS_FALLS 23858	25.32 0.21 -17.72	21.52 0.15 -15.14	20.40 0.12 -15.18	19.92 0.12 -14.69	19.98 0.15 -13.86	22.41 0.19 -14.73	30.69 0.33 -20.41	35.23 0.29 -25.46	27.48 0.28 -16.34	22.03 0.53 -9.80	20.78 0.50 -9.45	20.53 0.37 -11.98	20.58 0.33 -12.67	21.14 0.33 -13.08	21.65 0.33 -14.24	22.53 0.34 -14.89	24.78 0.17 -17.67	33.83 0.25 -24.53	36.74 0.32 -24.19	38.18 0.56 -20.74	36.09 0.95 -11.46	30.22 0.84 -8.99	23.38 0.67 -2.96	23.06 0.30 -11.25
NUCOR_STEEL____DRP 24197	9.39 0.11 -1.89	7.94 0.09 -1.61	6.79 0.07 -1.62	6.74 0.07 -1.57	7.53 0.09 -1.48	9.19 0.13 -1.57	12.34 0.21 -2.17	12.37 0.18 -2.71	12.76 0.15 -1.75	12.88 0.13 -1.05	11.99 0.15 -1.01	9.76 0.13 -1.46	9.25 0.13 -1.54	9.49 0.12 -1.64	8.94 0.11 -1.75	9.25 0.12 -1.83	8.96 0.14 -1.88	11.84 0.16 -2.64	15.02 0.17 -2.62	19.33 0.24 -2.21	25.25 0.36 -1.22	21.61 0.27 -0.96	20.31 0.24 -0.31	12.88 0.17 -1.20
NUMBER_THREE_WT_PWR 323818	8.02 0.01 -0.61	6.80 0.04 -0.52	5.66 0.03 -0.52	5.64 0.03 -0.51	6.44 -0.01 -0.48	7.97 -0.03 -0.51	10.69 0.03 -0.70	10.34 -0.02 -0.89	11.37 -0.05 -0.56	11.94 -0.09 -0.34	11.06 -0.13 -0.36	10.69 -0.13 -2.64	10.29 -0.16 -2.87	11.16 -0.15 -3.58	10.42 -0.11 -3.45	10.77 -0.12 -3.58	7.44 -0.12 -0.62	9.79 -0.12 -0.87	13.12 -0.05 -0.93	17.75 0.08 -0.78	24.38 0.26 -0.43	20.94 0.20 -0.34	20.07 0.20 -0.11	12.03 0.14 -0.39
NYISO_LBMP_REFERENCE 24008	7.39 0.00 0.00	6.24 0.00 0.00	5.10 0.00 0.00	5.10 0.00 0.00	5.96 0.00 0.00	7.49 0.00 0.00	9.96 0.00 0.00	9.47 0.00 0.00	10.86 0.00 0.00	11.70 0.00 0.00	10.83 0.00 0.00	8.18 0.00 0.00	7.58 0.00 0.00	7.73 0.00 0.00	7.08 0.00 0.00	7.30 0.00 0.00	6.95 0.00 0.00	9.04 0.00 0.00	12.23 0.00 0.00	16.89 0.00 0.00	23.68 0.00 0.00	20.39 0.00 0.00	19.76 0.00 0.00	11.51 0.00 0.00
NYPA_BRENTWD____GT 24164	28.47 0.69 -20.39	20.66 0.56 -13.86	21.55 0.47 -15.98	19.49 0.47 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.66 0.88 -20.31	29.39 1.15 -17.38	24.49 1.25 -11.54	25.61 1.11 -13.68	24.75 0.83 -15.74	24.92 0.80 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.85 0.73 -19.17	30.89 1.02 -20.82	35.42 1.36 -21.83	37.94 1.79 -19.26	39.99 2.32 -13.99	29.41 1.84 -7.18	28.09 1.98 -6.36	25.72 1.13 -13.08
NYPA_GOWANUS____GT5 24156	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NYPA_GOWANUS____GT6 24157	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.32 0.95 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.83 1.38 -16.56	34.70 1.87 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99
NYPA_HARLEM_RVR_GT1 24160	22.00 0.46 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.16 0.33 -11.73	17.41 0.38 -11.07	19.64 0.40 -11.75	26.83 0.61 -16.26	30.38 0.61 -20.30	24.72 0.84 -13.02	20.46 0.96 -7.81	19.27 0.91 -7.53	18.41 0.69 -9.55	18.35 0.67 -10.09	18.87 0.70 -10.44	19.24 0.62 -11.54	19.86 0.66 -11.90	21.66 0.62 -14.09	29.92 0.78 -20.10	33.34 1.00 -20.10	34.72 1.28 -16.55	34.53 1.71 -9.15	28.83 1.26 -7.17	23.39 1.28 -2.35	21.28 0.78 -8.99
NYPA_HARLEM_RVR_GT2 24161	22.00 0.46 -14.15	18.70 0.38 -12.09	17.54 0.32 -12.12	17.16 0.33 -11.73	17.41 0.38 -11.07	19.64 0.40 -11.75	26.83 0.61 -16.26	30.38 0.61 -20.30	24.72 0.84 -13.02	20.46 0.96 -7.81	19.27 0.91 -7.53	18.41 0.69 -9.55	18.35 0.67 -10.09	18.87 0.70 -10.44	19.24 0.62 -11.54	19.86 0.66 -11.90	21.66 0.62 -14.09	29.92 0.78 -20.10	33.34 1.00 -20.10	34.72 1.28 -16.55	34.53 1.71 -9.15	28.83 1.26 -7.17	23.39 1.28 -2.35	21.28 0.78 -8.99
NYPA_KENT____GT 24152	22.03 0.49 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.69 0.64 -14.10	29.97 0.82 -20.11	33.42 1.08 -20.11	34.81 1.37 -16.56	28.96 1.85 -9.15	23.52 1.39 -7.18	21.31 0.82 -2.36	
NYPA_POUCH1____GT 24155	22.04 0.50 -14.15	18.71 0.39 -12.09	17.54 0.32 -12.12	17.15 0.31 -11.73	17.40 0.37 -11.07	19.65 0.40 -11.76	26.85 0.62 -16.27	30.34 0.57 -20.30	24.66 0.78 -13.02	20.41 0.90 -7.81	19.21 0.86 -7.53	18.36 0.64 -9.55	18.30 0.62 -10.09	18.90 0.63 -10.54	20.89 0.57 -13.24	19.96 0.61 -12.05	21.63 0.58 -14.09	29.92 0.77 -20.11	33.34 1.00 -20.10	34.68 1.25 -16.55	34.51 1.68 -9.15	28.86 1.29 -7.18	23.42 1.30 -2.36	21.29 0.79 -8.99
NYPA_VERNON____GT2 24162	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.33 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.78 0.89 -13.03	20.53 1.02 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.70 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.69 0.64 -14.10	29.96 0.81 -20.11	33.40 1.06 -20.11	34.79 1.35 -16.56	34.66 1.82 -9.15	28.96 1.39 -7.18	23.52 1.40 -2.36	21.31 0.82 -8.99

NYPA_VERNON____GT3 24163	22.02	18.72	17.55	17.16	17.42	19.68	26.90	30.43	24.78	20.53	19.32	18.45	18.38	18.99	21.01	20.04	21.69	29.96	33.40	34.79	34.66	28.96	23.52	21.31
	0.48	0.39	0.33	0.33	0.38	0.43	0.67	0.65	0.89	1.02	0.95	0.72	0.70	0.71	0.63	0.67	0.64	0.81	1.06	1.35	1.82	1.39	1.40	0.82
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
NYPA____ASTORIA_CC1 323568	22.01	18.70	17.54	17.15	17.41	19.67	26.87	30.41	24.76	20.51	19.30	18.44	18.37	18.98	21.00	20.02	21.68	29.95	33.38	34.76	34.61	28.90	23.46	21.29
	0.47	0.38	0.32	0.32	0.38	0.42	0.64	0.63	0.87	0.99	0.93	0.70	0.68	0.70	0.62	0.66	0.63	0.80	1.04	1.32	1.78	1.32	1.34	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
NYPA____ASTORIA_CC2 323569	22.01	18.70	17.54	17.15	17.41	19.67	26.87	30.41	24.76	20.51	19.30	18.44	18.37	18.98	21.00	20.02	21.68	29.95	33.38	34.76	34.61	28.90	23.46	21.29
	0.47	0.38	0.32	0.32	0.38	0.42	0.64	0.63	0.87	0.99	0.93	0.70	0.68	0.70	0.62	0.66	0.63	0.80	1.04	1.32	1.78	1.32	1.34	0.79
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
NYPA____HOLTSVILL 23794	28.45	20.64	21.55	19.49	20.16	27.05	30.25	30.65	29.39	24.48	25.61	24.74	24.91	25.15	25.40	25.34	26.84	30.88	35.40	37.90	39.89	29.37	28.05	25.68
	0.67	0.55	0.47	0.46	0.55	0.67	0.97	0.87	1.15	1.24	1.11	0.83	0.79	0.80	0.77	0.77	0.72	1.01	1.33	1.76	2.25	1.80	1.94	1.09
	-20.39	-13.86	-15.98	-13.92	-13.65	-18.89	-19.32	-20.31	-17.38	-11.54	-13.68	-15.74	-16.54	-16.62	-17.55	-17.27	-19.17	-20.82	-21.83	-19.26	-13.96	-7.18	-6.36	-13.08
NYPA____HELLGATE_GT1 24158	22.00	18.70	17.54	17.16	17.41	19.64	26.83	30.38	24.72	20.46	19.27	18.41	18.35	19.06	22.63	20.16	21.66	29.92	33.34	34.72	34.53	28.83	23.39	21.28
	0.46	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.96	0.91	0.69	0.67	0.70	0.62	0.66	0.62	0.78	1.00	1.28	1.71	1.26	1.28	0.78
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.64	-14.93	-12.20	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
NYPA____HELLGATE_GT2 24159	22.00	18.70	17.54	17.16	17.41	19.64	26.83	30.38	24.72	20.46	19.27	18.41	18.35	19.06	22.63	20.16	21.66	29.92	33.34	34.72	34.53	28.83	23.39	21.28
	0.46	0.38	0.32	0.33	0.38	0.40	0.61	0.61	0.84	0.96	0.91	0.69	0.67	0.70	0.62	0.66	0.62	0.78	1.00	1.28	1.71	1.26	1.28	0.78
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.75	-16.26	-20.30	-13.02	-7.81	-7.53	-9.55	-10.09	-10.64	-14.93	-12.20	-14.09	-20.10	-20.10	-16.55	-9.15	-7.17	-2.35	-8.99
NYS_BARGE____HYD 23848	9.59	8.05	6.97	6.91	7.63	9.26	12.33	12.35	12.48	12.44	11.74	9.53	9.09	9.27	8.80	9.09	9.06	12.09	15.13	18.93	24.09	20.59	19.25	12.69
	-0.07	-0.13	-0.08	-0.08	-0.11	-0.12	-0.24	-0.38	-0.47	-0.51	-0.30	-0.19	-0.12	-0.14	-0.11	-0.12	-0.15	-0.13	-0.27	-0.62	-1.07	-0.96	-0.89	-0.26
	-2.27	-1.94	-1.95	-1.88	-1.78	-1.89	-2.61	-3.26	-2.09	-1.25	-1.21	-1.54	-1.63	-1.68	-1.83	-1.91	-2.26	-3.18	-3.16	-2.67	-1.47	-1.16	-0.38	-1.44
OAK ORCHARD____HYD 24046	9.31	7.82	6.69	6.65	7.43	9.08	12.14	12.13	12.50	12.61	11.83	9.47	8.96	9.15	8.65	8.93	8.85	11.76	14.91	19.05	24.74	21.15	19.87	12.70
	0.04	-0.02	-0.02	-0.01	-0.01	0.03	0.02	-0.04	-0.09	-0.13	-0.01	0.02	0.03	0.03	0.05	0.04	0.03	0.09	0.05	-0.05	-0.16	-0.20	-0.20	0.00
	-1.88	-1.60	-1.61	-1.56	-1.47	-1.56	-2.16	-2.69	-1.73	-1.04	-1.01	-1.28	-1.35	-1.39	-1.52	-1.59	-1.87	-2.63	-2.62	-2.21	-1.22	-0.96	-0.32	-1.19
OAKDALE____35_KV_LOAD 356122	11.94	10.11	8.96	8.85	9.52	11.29	15.23	15.97	15.09	14.29	13.35	11.31	10.89	11.13	10.76	11.15	11.51	15.40	18.57	22.31	26.84	22.87	20.71	14.49
	0.13	0.11	0.08	0.09	0.11	0.13	0.20	0.16	0.16	0.15	0.17	0.15	0.15	0.15	0.13	0.15	0.17	0.19	0.22	0.27	0.31	0.24	0.22	0.18
	-4.41	-3.77	-3.78	-3.66	-3.45	-3.67	-5.07	-6.33	-4.07	-2.44	-2.35	-2.98	-3.15	-3.25	-3.54	-3.71	-4.39	-6.16	-6.12	-5.16	-2.85	-2.24	-0.74	-2.80
OCC_CHEM____DRP 24175	9.53	7.99	6.92	6.87	7.58	9.18	12.25	12.27	12.39	12.31	11.63	9.44	9.02	9.18	8.76	9.04	9.08	12.05	15.05	18.78	23.65	20.29	18.96	12.56
	-0.18	-0.22	-0.16	-0.15	-0.19	-0.23	-0.37	-0.50	-0.61	-0.67	-0.43	-0.30	-0.22	-0.26	-0.19	-0.21	-0.15	-0.24	-0.40	-0.83	-1.54	-1.28	-1.19	-0.43
	-2.31	-1.98	-1.98	-1.92	-1.81	-1.92	-2.66	-3.30	-2.14	-1.28	-1.24	-1.57	-1.66	-1.71	-1.86	-1.95	-2.29	-3.25	-3.22	-2.72	-1.51	-1.18	-0.39	-1.48
OH_GEN_PROXY 24063	9.59	8.05	6.96	6.91	7.64	9.25	12.36	12.40	12.53	12.47	11.75	9.54	9.10	9.28	8.83	9.11	9.11	12.13	15.16	18.98	24.10	20.60	19.25	12.68
	-0.09	-0.14	-0.10	-0.09	-0.11	-0.13	-0.23	-0.35	-0.43	-0.49	-0.30	-0.19	-0.12	-0.14	-0.10	-0.12	-0.12	-0.11	-0.26	-0.59	-1.07	-0.96	-0.89	-0.28
	-2.29	-1.95	-1.96	-1.89	-1.79	-1.90	-2.63	-3.28	-2.10	-1.26	-1.22	-1.55	-1.64	-1.69	-1.84	-1.93	-2.28	-3.20	-3.19	-2.69	-1.48	-1.16	-0.38	-1.45
OLIN_CORP_DRP 24177	9.57	8.03	6.96	6.91	7.61	9.22	12.27	12.31	12.40	12.33	11.65	9.46	9.04	9.21	8.76	9.04	9.10	12.08	15.09	18.83	23.70	20.34	19.02	12.59
	-0.15	-0.19	-0.13	-0.12	-0.17	-0.20	-0.36	-0.49	-0.61	-0.66	-0.42	-0.29	-0.21	-0.23	-0.20	-0.22	-0.16	-0.24	-0.39	-0.79	-1.49	-1.24	-1.13	-0.40
	-2.32	-1.98	-1.99	-1.93	-1.82	-1.93	-2.67	-3.33	-2.15	-1.29	-1.24	-1.58	-1.67	-1.72	-1.87	-1.96	-2.32	-3.28	-3.25	-2.74	-1.52	-1.19	-0.39	-1.49
OLIN_CORP_DSASP 323712	9.53	7.99	6.92	6.87	7.58	9.18	12.25	12.27	12.38	12.31	11.61	9.44	9.02	9.18	8.76	9.04	9.01	12.02	15.01	18.73	23.76	20.29	18.98	12.55
	-0.18	-0.22	-0.16	-0.15	-0.19	-0.23	-0.37	-0.50	-0.61	-0.67	-0.45	-0.30	-0.22	-0.25	-0.19	-0.21	-0.22	-0.24	-0.43	-0.86	-1.42	-1.28	-1.17	-0.43
	-2.31	-1.98	-1.98	-1.92	-1.81	-1.92	-2.66	-3.30	-2.12	-1.28	-1.24	-1.57	-1.66	-1.71	-1.86	-1.95	-2.28	-3.22	-3.21	-2.71	-1.50	-1.18	-0.39	-1.47
ONEIDA_HERK_LFGE 323681	8.01	6.79	5.63	5.62	6.46	8.00	10.74	10.37	11.46	12.07	11.18	9.57	9.05	9.54	8.86	9.15	7.53	9.83	13.11	17.78	24.52	21.05	20.16	12.06
	0.08	0.09	0.07	0.07	0.07	0.07	0.16	0.12	0.11	0.07	0.05	0.02	-0.01	0.01	0.01	0.02	0.04	0.03	0.10	0.24	0.47	0.37	0.32	0.21
	-0.54	-0.46	-0.46	-0.45	-0.42	-0.45	-0.62	-0.78	-0.49	-0.30	-0.30	-1.37	-1.48	-1.80	-1.76	-1.83	-0.54	-0.76	-0.78	-0.66	-0.37	-0.29	-0.09	-0.34
ONEIDA____115KV_TB4 55905	8.50	7.20	6.03	6.01	6.85	8.44	11.33	11.08	11.97	12.42	11.54	9.38	8.82	9.14	8.50	8.81	8.03	10.51	13.83	18.46	24.95	21.42	20.39	12.41
	0.16	0.16	0.12	0.12	0.15	0.17	0.29	0.25	0.23	0.20	0.21	0.15	0.11	0.13	0.11	0.14	0.14	0.15	0.29	0.47	0.66	0.55	0.47	0.30
	-0.94	-0.81	-0.81	-0.78	-0.74	-0.78	-1.08	-1.36	-0.88	-0.53	-0.51	-1.06	-1.13	-1.28	-1.31	-1.37	-0.94	-1.32	-1.31	-1.10	-0.61	-0.48	-0.16	-0.60

ONONDAGA_REF_OCCRA 23987	9.13 0.02 -1.72	7.71 0.01 -1.47	6.58 0.00 -1.47	6.53 0.01 -1.43	7.32 0.01 -1.35	8.94 0.02 -1.43	12.01 0.07 -1.98	11.99 0.05 -2.47	12.47 0.03 -1.58	12.65 0.00 -0.95	11.79 0.04 -0.91	9.59 0.05 -1.36	9.09 0.05 -1.45	9.33 0.05 -1.56	8.77 0.04 -1.65	9.08 0.05 -1.73	8.72 0.06 -1.71	11.50 0.05 -2.40	14.65 0.04 -2.39	18.95 0.05 -2.01	24.84 0.05 -1.11	21.29 0.02 -0.87	20.02 -0.02 -0.29	12.61 0.01 -1.09
ONONDAGA___COGEN 23986	9.05 0.03 -1.63	7.65 0.02 -1.39	6.51 0.01 -1.40	6.47 0.02 -1.35	7.26 0.02 -1.28	8.87 0.03 -1.36	11.92 0.08 -1.88	11.88 0.07 -2.34	12.39 0.04 -1.48	12.61 0.02 -0.89	11.74 0.05 -0.86	9.54 0.07 -1.29	9.02 0.05 -1.38	9.26 0.05 -1.48	8.69 0.04 -1.57	9.00 0.06 -1.64	8.64 0.07 -1.62	11.37 0.05 -2.28	14.53 0.04 -2.26	18.82 0.03 -1.90	24.78 0.05 -1.05	21.24 0.02 -0.83	20.03 0.00 -0.27	12.56 0.02 -1.03
ONTARIO___LFGE 23819	9.76 0.21 -2.15	8.24 0.16 -1.84	7.07 0.13 -1.84	7.02 0.14 -1.78	7.82 0.17 -1.68	9.52 0.25 -1.79	12.81 0.38 -2.47	12.89 0.33 -3.09	13.14 0.30 -1.98	13.16 0.27 -1.19	12.27 0.29 -1.15	9.88 0.25 -1.46	9.36 0.23 -1.54	9.54 0.22 -1.59	9.00 0.18 -1.74	9.34 0.22 -1.82	9.31 0.22 -2.14	12.33 0.28 -3.01	15.53 0.29 -3.00	19.80 0.39 -2.53	25.74 0.66 -1.40	21.98 0.49 -1.10	20.53 0.42 -0.36	13.17 0.30 -1.37
ORANGEVILLE_WT_PWR 323706	10.17 0.01 -2.77	8.55 -0.05 -2.37	7.44 -0.03 -2.37	7.37 -0.03 -2.30	8.10 -0.03 -2.17	9.76 -0.03 -2.30	13.08 -0.07 -3.18	13.27 -0.18 -3.97	13.17 -0.24 -2.55	12.94 -0.29 -1.53	12.18 -0.13 -1.48	10.00 -0.06 -1.88	9.55 -0.02 -1.98	9.75 -0.02 -2.05	9.31 -0.01 -2.23	9.63 -0.01 -2.33	9.69 -0.01 -2.76	12.95 0.04 -3.87	16.06 -0.02 -3.86	19.90 -0.24 -3.25	24.98 -0.50 -1.80	21.33 -0.47 -1.41	19.78 -0.43 -0.46	13.21 -0.06 -1.76
ORANGEVILLE___ESR 323794	10.17 0.01 -2.77	8.55 -0.05 -2.37	7.44 -0.03 -2.37	7.37 -0.03 -2.30	8.10 -0.03 -2.17	9.76 -0.03 -2.30	13.08 -0.07 -3.18	13.27 -0.18 -3.97	13.17 -0.24 -2.55	12.94 -0.29 -1.53	12.18 -0.13 -1.48	10.00 -0.06 -1.88	9.55 -0.02 -1.98	9.75 -0.02 -2.05	9.31 -0.01 -2.23	9.63 -0.01 -2.33	9.69 -0.01 -2.76	12.95 0.04 -3.87	16.06 -0.02 -3.86	19.90 -0.24 -3.25	24.98 -0.50 -1.80	21.33 -0.47 -1.41	19.78 -0.43 -0.46	13.21 -0.06 -1.76
OSWEGATCHIE___HYD 24044	7.70 -0.14 -0.45	6.54 -0.09 -0.39	5.41 -0.08 -0.39	5.40 -0.08 -0.38	6.21 -0.11 -0.35	7.72 -0.14 -0.38	10.30 -0.18 -0.52	9.93 -0.22 -0.67	10.97 -0.30 -0.42	11.70 -0.25 -0.25	10.77 -0.30 -0.25	-1.57 -0.29 9.46	-3.05 -0.30 10.33	-6.00 -0.30 13.43	-5.74 -0.24 12.59	-5.99 -0.23 13.06	7.06 -0.36 -0.47	9.26 -0.44 -0.66	12.43 -0.45 -0.65	16.96 -0.47 -0.55	23.53 -0.45 -0.30	20.26 -0.37 -0.24	19.62 -0.22 -0.08	11.67 -0.13 -0.29
OSWEGO___5 23606	8.57 -0.13 -1.32	7.24 -0.12 -1.13	6.13 -0.10 -1.13	6.10 -0.10 -1.09	6.89 -0.11 -1.03	8.45 -0.13 -1.09	11.33 -0.15 -1.51	11.20 -0.16 -1.89	11.87 -0.21 -1.21	12.18 -0.25 -0.73	11.34 -0.19 -0.70	8.94 -0.13 -0.89	8.40 -0.12 -0.94	8.57 -0.13 -0.97	8.02 -0.12 -1.06	8.29 -0.12 -1.11	8.16 -0.10 -1.31	10.74 -0.15 -1.84	13.83 -0.23 -1.83	18.09 -0.34 -1.55	24.08 -0.45 -0.85	20.63 -0.43 -0.67	19.54 -0.43 -0.22	12.13 -0.22 -0.84
OSWEGO___6 23613	8.57 -0.13 -1.32	7.24 -0.12 -1.13	6.13 -0.10 -1.13	6.10 -0.10 -1.09	6.89 -0.11 -1.03	8.45 -0.13 -1.09	11.33 -0.15 -1.51	11.20 -0.16 -1.89	11.87 -0.21 -1.21	12.18 -0.25 -0.73	11.34 -0.19 -0.70	8.94 -0.13 -0.89	8.40 -0.12 -0.94	8.57 -0.13 -0.97	8.02 -0.12 -1.06	8.29 -0.12 -1.11	8.16 -0.10 -1.31	10.74 -0.15 -1.84	13.83 -0.23 -1.83	18.09 -0.34 -1.55	24.08 -0.45 -0.85	20.63 -0.43 -0.67	19.54 -0.43 -0.22	12.13 -0.22 -0.84
OUTOKUMPU-AB___DRP 24206	9.72 -0.02 -2.36	8.17 -0.08 -2.01	7.07 -0.05 -2.02	7.01 -0.05 -1.95	7.75 -0.06 -1.84	9.38 -0.07 -1.96	12.52 -0.15 -2.71	12.57 -0.27 -3.37	12.68 -0.36 -2.18	12.59 -0.41 -1.31	11.91 -0.17 -1.26	9.67 -0.11 -1.60	9.23 -0.04 -1.69	9.41 -0.06 -1.74	8.94 -0.04 -1.90	9.23 -0.05 -1.98	9.28 -0.01 -2.34	12.32 -0.04 -3.32	15.43 -0.10 -3.29	19.27 -0.39 -2.78	24.32 -0.90 -1.54	20.87 -0.73 -1.21	19.48 -0.67 -0.40	12.87 -0.15 -1.51
OXBOW___ 24026	9.64 -0.08 -2.33	8.09 -0.14 -1.99	7.00 -0.10 -2.00	6.95 -0.09 -1.94	7.68 -0.11 -1.83	9.29 -0.13 -1.94	12.41 -0.24 -2.68	12.44 -0.37 -3.34	12.54 -0.47 -2.15	12.47 -0.51 -1.29	11.77 -0.30 -1.25	9.58 -0.18 -1.58	9.14 -0.11 -1.67	9.32 -0.14 -1.73	8.86 -0.10 -1.88	9.15 -0.12 -1.96	9.13 -0.13 -2.31	12.19 -0.11 -3.25	15.22 -0.26 -3.24	19.01 -0.61 -2.73	24.15 -1.04 -1.52	20.62 -0.96 -1.19	19.28 -0.87 -0.39	12.74 -0.25 -1.48
OXY_CHEM_DSASP 323612	9.53 -0.18 -2.31	7.99 -0.22 -1.98	6.92 -0.16 -1.98	6.87 -0.15 -1.92	7.58 -0.19 -1.81	9.18 -0.23 -1.92	12.25 -0.37 -2.66	12.27 -0.50 -3.30	12.39 -0.61 -2.14	12.31 -0.67 -1.28	11.63 -0.43 -1.24	9.44 -0.30 -1.57	9.02 -0.22 -1.66	9.18 -0.26 -1.71	8.76 -0.19 -1.86	9.04 -0.21 -1.95	9.08 -0.15 -2.29	12.05 -0.24 -3.25	15.05 -0.40 -3.22	18.78 -0.83 -2.72	23.65 -1.54 -1.51	20.29 -1.28 -1.18	18.96 -1.19 -0.39	12.56 -0.43 -1.48
OZONE_PARK_ESR 323760	22.08 0.53 -14.15	18.76 0.44 -12.09	17.58 0.36 -12.12	17.19 0.35 -11.73	17.45 0.42 -11.07	19.75 0.50 -11.76	26.98 0.75 -16.27	30.51 0.73 -20.30	24.86 0.97 -13.03	20.61 1.10 -7.81	19.37 1.01 -7.54	18.50 0.77 -9.55	18.42 0.74 -10.10	19.03 0.76 -10.55	21.01 0.69 -13.24	20.08 0.72 -12.06	21.75 0.69 -14.10	30.03 0.89 -20.11	33.49 1.15 -20.11	34.93 1.49 -16.56	34.89 2.06 -9.15	29.14 1.57 -7.18	23.70 1.58 -2.36	21.39 0.90 -8.99
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	9.53 -0.18 -2.31	7.99 -0.22 -1.98	6.92 -0.16 -1.98	6.87 -0.15 -1.92	7.58 -0.19 -1.81	9.18 -0.23 -1.92	12.25 -0.37 -2.66	12.27 -0.50 -3.30	12.39 -0.61 -2.14	12.31 -0.67 -1.28	11.63 -0.43 -1.24	9.44 -0.30 -1.57	9.02 -0.22 -1.66	9.18 -0.26 -1.71	8.76 -0.19 -1.86	9.04 -0.21 -1.95	9.08 -0.15 -2.29	12.05 -0.24 -3.25	15.05 -0.40 -3.22	18.78 -0.83 -2.72	23.65 -1.54 -1.51	20.29 -1.28 -1.18	18.96 -1.19 -0.39	12.56 -0.43 -1.48
PACKARD___115KV_DUPONT_184 80571	9.53 -0.18 -2.31	7.99 -0.22 -1.98	6.92 -0.16 -1.98	6.87 -0.15 -1.92	7.58 -0.19 -1.81	9.18 -0.23 -1.92	12.25 -0.37 -2.66	12.27 -0.50 -3.30	12.39 -0.61 -2.14	12.31 -0.67 -1.28	11.63 -0.43 -1.24	9.44 -0.30 -1.57	9.02 -0.22 -1.66	9.18 -0.26 -1.71	8.76 -0.19 -1.86	9.04 -0.21 -1.95	9.08 -0.15 -2.29	12.05 -0.24 -3.25	15.05 -0.40 -3.22	18.78 -0.83 -2.72	23.65 -1.54 -1.51	20.29 -1.28 -1.18	18.96 -1.19 -0.39	12.56 -0.43 -1.48
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	21.99 0.45 -14.15	18.69 0.37 -12.09	17.53 0.31 -12.12	17.15 0.32 -11.73	17.40 0.36 -11.07	19.64 0.39 -11.76	26.83 0.60 -16.27	30.37 0.60 -20.30	24.70 0.81 -13.03	20.46 0.95 -7.81	19.24 0.88 -7.54	18.40 0.67 -9.55	18.33 0.64 -10.10	18.95 0.66 -10.55	19.03 0.59 -11.36	19.80 0.62 -11.88	21.65 0.60 -14.10	29.91 0.76 -20.11	33.32 0.98 -20.11	34.68 1.23 -16.56	34.54 1.70 -9.15	28.82 1.24 -7.18	23.38 1.26 -2.36	21.25 0.76 -8.99

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	22.05 0.51 -14.15	18.74 0.42 -12.09	17.57 0.35 -12.12	17.19 0.36 -11.73	17.45 0.41 -11.07	19.70 0.45 -11.76	26.92 0.69 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.30 0.93 -7.54	18.45 0.72 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	19.03 0.59 -11.36	19.85 0.66 -11.88	21.68 0.63 -14.10	29.91 0.76 -20.11	33.39 1.05 -20.11	34.79 1.35 -16.56	34.70 1.87 -9.15	28.94 1.37 -7.18	23.52 1.40 -2.36	21.34 0.85 -8.99
PATROON__115KV_TB1 80586	24.96 0.36 -17.21	21.23 0.30 -14.69	20.08 0.24 -14.73	19.61 0.24 -14.26	19.71 0.29 -13.46	22.15 0.36 -14.30	30.21 0.47 -19.79	34.60 0.44 -24.69	27.21 0.51 -15.84	21.73 0.53 -9.50	20.50 0.51 -9.16	20.19 0.39 -11.62	20.22 0.36 -12.28	20.76 0.36 -12.68	21.22 0.33 -13.81	22.08 0.34 -14.44	24.41 0.33 -17.13	33.25 0.42 -23.78	36.29 0.57 -23.48	37.83 0.81 -20.13	35.97 1.16 -11.13	30.14 1.02 -8.73	23.57 0.95 -2.87	22.94 0.51 -10.92
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	9.87 -0.07 -2.54	8.30 -0.11 -2.17	7.20 -0.08 -2.18	7.13 -0.08 -2.11	7.86 -0.09 -1.99	9.49 -0.10 -2.11	12.70 -0.18 -2.92	12.86 -0.26 -3.65	12.85 -0.36 -2.35	12.70 -0.41 -1.41	11.98 -0.21 -1.36	9.78 -0.12 -1.72	9.34 -0.07 -1.82	9.53 -0.08 -1.88	9.07 -0.06 -2.05	9.37 -0.07 -2.14	9.45 -0.03 -2.53	12.57 -0.05 -3.58	15.69 -0.10 -3.56	19.55 -0.34 -3.00	24.53 -0.81 -1.66	21.02 -0.67 -1.30	19.51 -0.67 -0.43	12.96 -0.17 -1.63
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.12 0.48 -14.25	18.80 0.39 -12.17	17.62 0.32 -12.21	17.23 0.32 -11.81	17.48 0.36 -11.15	19.79 0.46 -11.84	26.98 0.64 -16.39	30.56 0.64 -20.45	24.75 0.77 -13.12	20.45 0.88 -7.87	19.19 0.77 -7.59	18.37 0.57 -9.62	18.34 0.58 -10.17	18.82 0.59 -10.50	19.05 0.52 -11.44	19.82 0.55 -11.96	21.68 0.54 -14.19	29.97 0.71 -20.21	33.40 0.97 -20.20	34.83 1.27 -16.67	34.58 1.68 -9.22	29.01 1.39 -7.23	23.54 1.40 -2.38	21.32 0.76 -9.05
PEEKSKILL____ 23653	21.87 0.44 -14.03	18.59 0.37 -11.98	17.42 0.30 -12.02	17.03 0.30 -11.63	17.29 0.35 -10.98	19.58 0.43 -11.66	26.70 0.61 -16.14	30.20 0.60 -20.13	24.55 0.77 -12.92	20.31 0.87 -7.75	19.10 0.80 -7.47	18.26 0.61 -9.47	18.19 0.59 -10.02	18.67 0.60 -10.34	18.89 0.55 -11.26	19.65 0.57 -11.77	21.46 0.55 -13.97	29.67 0.70 -19.94	33.10 0.93 -19.94	34.50 1.20 -16.42	34.37 1.61 -9.08	28.80 1.29 -7.12	23.40 1.30 -2.34	21.14 0.73 -8.91
PGE MADISON__WINDPWR 24146	12.05 0.46 -4.20	10.27 0.44 -3.59	9.05 0.35 -3.60	8.94 0.35 -3.48	9.69 0.44 -3.29	11.48 0.50 -3.49	15.64 0.85 -4.83	16.22 0.72 -6.03	15.39 0.66 -3.87	14.56 0.54 -2.32	13.56 0.49 -2.24	11.35 0.34 -2.84	10.84 0.25 -3.00	11.10 0.27 -3.10	10.74 0.28 -3.38	11.09 0.26 -3.53	11.51 0.37 -4.18	15.37 0.45 -5.88	18.82 0.75 -5.84	23.04 1.23 -4.92	28.34 1.94 -2.72	24.12 1.59 -2.13	21.90 1.44 -0.70	15.11 0.93 -2.67
PIERCEFIELD__HYD 23852	7.15 -0.24 0.00	6.06 -0.17 0.00	4.94 -0.16 0.00	4.95 -0.15 0.00	5.79 -0.17 0.00	7.27 -0.22 0.00	9.61 -0.35 0.00	9.49 -0.39 -0.40	10.36 -0.50 0.00	11.38 -0.32 0.00	10.44 -0.39 0.00	2.72 -0.49 4.97	1.69 -0.47 5.43	0.25 -0.47 7.01	0.10 -0.39 6.59	0.10 -0.36 6.84	6.65 -0.58 -0.28	8.74 -0.69 -0.39	11.50 -0.73 0.00	16.01 -0.88 0.00	22.64 -1.04 0.00	19.60 -0.80 0.00	19.26 -0.49 0.00	11.21 -0.30 0.00
PINELAWN_CC_1 323563	28.45 0.67 -20.39	20.64 0.54 -13.86	21.53 0.45 -15.98	19.47 0.45 -13.92	20.14 0.53 -13.65	27.03 0.65 -18.89	30.21 0.93 -19.32	30.63 0.85 -20.31	29.35 1.11 -17.38	24.45 1.21 -11.54	25.58 1.07 -13.68	24.72 0.80 -15.74	24.90 0.77 -16.54	25.14 0.79 -16.62	25.38 0.75 -17.55	25.32 0.75 -17.27	26.84 0.72 -19.17	30.87 1.00 -20.82	35.40 1.33 -21.83	37.90 1.76 -19.26	39.89 2.25 -13.96	29.37 1.80 -7.18	28.01 1.90 -6.36	25.67 1.08 -13.08
PJM_GEN_HTP_PROXY 323702	22.03 0.49 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.44 0.66 -20.30	24.78 0.89 -13.03	20.52 1.01 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.97 0.70 -10.55	20.89 0.63 -13.18	20.01 0.66 -12.05	21.68 0.63 -14.10	29.95 0.80 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.66 1.82 -9.15	29.00 1.43 -7.18	23.56 1.44 -2.36	21.31 0.82 -8.99
PJM_GEN_KEystone 24065	16.41 0.21 -8.81	13.91 0.16 -7.52	12.77 0.13 -7.54	12.53 0.13 -7.30	13.01 0.16 -6.89	15.00 0.19 -7.32	20.35 0.27 -10.12	22.33 0.23 -12.63	19.26 0.29 -8.11	16.89 0.33 -4.86	15.87 0.35 -4.69	14.40 0.28 -5.95	14.16 0.29 -6.29	14.51 0.29 -6.50	14.55 0.26 -7.20	14.98 0.28 -7.40	15.98 0.27 -8.76	21.89 0.36 -12.48	25.14 0.43 -12.47	27.66 0.47 -10.31	29.92 0.55 -5.70	25.27 0.41 -4.47	21.64 0.42 -1.47	17.42 0.32 -5.59
PJM_GEN_NEPTUNE_PROXY 323594	25.52 0.58 -17.55	19.77 0.48 -13.05	19.72 0.40 -14.22	18.42 0.39 -12.93	18.90 0.47 -12.47	23.70 0.57 -15.64	28.70 0.81 -17.93	30.53 0.75 -20.31	27.26 1.00 -15.40	22.64 1.10 -9.84	22.69 0.99 -10.88	21.84 0.74 -12.92	21.91 0.72 -13.60	22.26 0.73 -13.80	22.49 0.68 -14.73	22.80 0.69 -14.81	24.46 0.66 -16.85	30.42 0.88 -20.50	34.43 1.15 -21.05	36.40 1.49 -18.03	37.39 1.94 -11.77	29.15 1.57 -7.18	25.95 1.66 -4.54	23.68 0.95 -11.22
PJM_GEN_VFT_PROXY 323633	22.00 0.46 -14.15	18.70 0.37 -12.09	17.53 0.31 -12.12	17.14 0.31 -11.73	17.39 0.36 -11.07	19.68 0.43 -11.76	26.87 0.64 -16.27	30.40 0.63 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.70 -9.55	18.37 0.68 -10.10	18.97 0.70 -10.55	20.95 0.62 -13.24	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.37 1.03 -20.11	34.71 1.27 -16.56	34.61 1.78 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
PLATSBURG_115KV_PMLD1 355749	7.29 -0.10 0.00	6.15 -0.09 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.90 -0.06 0.00	7.43 -0.05 0.00	9.85 -0.11 0.00	9.36 -0.11 0.00	10.68 -0.18 0.00	11.55 -0.15 0.00	10.52 -0.31 0.00	5.06 -0.33 2.80	4.19 -0.34 3.05	3.40 -0.39 3.94	3.04 -0.33 3.71	3.04 -0.41 3.85	6.52 -0.43 0.00	8.63 -0.41 0.00	11.79 -0.44 0.00	16.56 -0.32 0.00	23.42 -0.26 0.00	20.29 -0.10 0.00	19.68 -0.08 0.00	11.47 -0.03 0.00
PLEASANTVLY__LBMP 24000	22.49 0.40 -14.70	19.13 0.34 -12.55	17.96 0.28 -12.59	17.56 0.28 -12.18	17.78 0.32 -11.50	20.10 0.40 -12.21	27.41 0.55 -16.90	31.09 0.53 -21.08	25.07 0.68 -13.53	20.57 0.76 -8.11	19.36 0.70 -7.83	18.63 0.53 -9.92	18.59 0.52 -10.49	19.08 0.53 -10.83	19.35 0.47 -11.79	20.13 0.50 -12.33	22.05 0.47 -14.63	30.54 0.61 -20.89	33.93 0.80 -20.90	35.11 1.03 -17.19	34.58 1.40 -9.51	28.97 1.12 -7.46	23.35 1.15 -2.45	21.48 0.64 -9.33
PLSNTVLE_13_KV_13.8KVDIST 80602	22.08 0.46 -14.23	18.77 0.38 -12.16	17.60 0.31 -12.19	17.21 0.31 -11.80	17.45 0.36 -11.13	19.76 0.44 -11.83	26.96 0.64 -16.36	30.52 0.63 -20.42	24.76 0.79 -13.10	20.45 0.89 -7.86	19.23 0.82 -7.58	18.41 0.62 -9.61	18.35 0.61 -10.16	18.84 0.63 -10.49	19.07 0.56 -11.42	19.83 0.58 -11.94	21.68 0.56 -14.17	29.99 0.72 -20.22	33.40 0.94 -20.22	34.75 1.22 -16.65	34.57 1.68 -9.21	28.92 1.31 -7.22	23.45 1.32 -2.37	21.29 0.75 -9.04

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	22.08 0.46 -14.23	18.77 0.38 -12.16	17.60 0.31 -12.19	17.21 0.31 -11.80	17.45 0.36 -11.13	19.76 0.44 -11.83	26.96 0.64 -16.36	30.52 0.63 -20.42	24.76 0.79 -13.10	20.45 0.89 -7.86	19.23 0.82 -7.58	18.41 0.62 -9.61	18.35 0.61 -10.16	18.84 0.63 -10.49	19.07 0.56 -11.42	19.83 0.58 -11.94	21.68 0.56 -14.17	29.99 0.72 -20.22	33.40 0.94 -20.22	34.75 1.22 -16.65	34.57 1.68 -9.21	28.92 1.31 -7.22	23.45 1.32 -2.37	21.29 0.75 -9.04
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	22.18 0.40 -14.39	18.87 0.34 -12.29	17.71 0.29 -12.33	17.31 0.28 -11.93	17.55 0.33 -11.26	19.87 0.43 -11.96	27.05 0.55 -16.55	30.65 0.53 -20.65	24.83 0.72 -13.25	20.43 0.78 -7.95	19.17 0.68 -7.66	18.43 0.53 -9.72	18.36 0.51 -10.27	18.85 0.52 -10.60	19.09 0.45 -11.55	19.86 0.48 -12.08	21.74 0.47 -14.32	29.77 0.61 -20.12	33.03 0.82 -19.98	34.84 1.11 -16.84	34.46 1.47 -9.31	28.90 1.20 -7.30	23.36 1.21 -2.40	21.31 0.67 -9.14
POLETTI____ 23519	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.70 0.45 -11.76	26.89 0.66 -16.27	30.42 0.64 -20.30	24.76 0.87 -13.03	20.52 1.01 -7.81	19.28 0.92 -7.54	18.44 0.70 -9.55	18.36 0.67 -10.10	18.97 0.70 -10.55	20.95 0.62 -13.24	20.02 0.66 -12.06	21.68 0.63 -14.10	29.94 0.80 -20.11	33.37 1.03 -20.11	34.74 1.30 -16.56	34.66 1.82 -9.15	28.96 1.39 -7.18	23.54 1.42 -2.36	21.31 0.82 -8.99
PORT_JEFF_3 23555	28.48 0.69 -20.39	20.66 0.57 -13.86	21.56 0.48 -15.98	19.51 0.48 -13.92	20.18 0.57 -13.65	27.07 0.70 -18.89	30.28 1.00 -19.32	30.68 0.90 -20.31	29.42 1.17 -17.38	24.52 1.28 -11.54	25.65 1.14 -13.68	24.76 0.84 -15.74	24.93 0.81 -16.54	25.18 0.83 -16.62	25.43 0.80 -17.55	25.37 0.79 -17.27	26.87 0.74 -19.17	30.92 1.06 -20.82	35.43 1.37 -21.83	37.97 1.82 -19.26	39.96 2.32 -13.96	29.45 1.88 -7.18	28.11 1.99 -6.36	25.73 1.14 -13.08
PORT_JEFF_4 23616	28.48 0.69 -20.39	20.66 0.57 -13.86	21.56 0.48 -15.98	19.51 0.48 -13.92	20.18 0.57 -13.65	27.07 0.70 -18.89	30.28 1.00 -19.32	30.68 0.90 -20.31	29.42 1.17 -17.38	24.52 1.28 -11.54	25.65 1.14 -13.68	24.76 0.84 -15.74	24.93 0.81 -16.54	25.18 0.83 -16.62	25.43 0.80 -17.55	25.37 0.79 -17.27	26.87 0.74 -19.17	30.92 1.06 -20.82	35.43 1.37 -21.83	37.97 1.82 -19.26	39.96 2.32 -13.96	29.45 1.88 -7.18	28.11 1.99 -6.36	25.73 1.14 -13.08
PORT_JEFF_IC 23713	28.49 0.71 -20.39	20.67 0.58 -13.86	21.57 0.49 -15.98	19.52 0.49 -13.92	20.19 0.58 -13.65	27.09 0.71 -18.89	30.30 1.02 -19.32	30.71 0.93 -20.31	29.45 1.21 -17.38	24.54 1.30 -11.54	25.67 1.16 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.45 0.82 -17.55	25.38 0.80 -17.27	26.89 0.76 -19.17	30.96 1.09 -20.82	35.46 1.39 -21.83	37.99 1.84 -19.26	39.98 2.34 -13.96	29.51 1.94 -7.18	28.17 2.05 -6.36	25.75 1.16 -13.08
PPL PILGRIM_ST_GT1 24216	28.47 0.69 -20.39	20.66 0.56 -13.86	21.55 0.47 -15.98	19.49 0.47 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.66 0.88 -20.31	29.39 1.15 -17.38	24.49 1.25 -11.54	25.61 1.11 -13.68	24.75 0.83 -15.74	24.92 0.80 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.85 0.73 -19.17	30.89 1.02 -20.82	35.42 1.36 -21.83	37.94 1.79 -19.26	39.99 2.32 -13.99	29.41 1.84 -7.18	28.09 1.98 -6.36	25.72 1.13 -13.08
PPL PILGRIM_ST_GT2 24217	28.47 0.69 -20.39	20.66 0.56 -13.86	21.55 0.47 -15.98	19.49 0.47 -13.92	20.16 0.55 -13.65	27.05 0.67 -18.89	30.25 0.97 -19.32	30.66 0.88 -20.31	29.39 1.15 -17.38	24.49 1.25 -11.54	25.61 1.11 -13.68	24.75 0.83 -15.74	24.92 0.80 -16.54	25.15 0.80 -16.62	25.40 0.77 -17.55	25.34 0.77 -17.27	26.85 0.73 -19.17	30.89 1.02 -20.82	35.42 1.36 -21.83	37.94 1.79 -19.26	39.99 2.32 -13.99	29.41 1.84 -7.18	28.09 1.98 -6.36	25.72 1.13 -13.08
PPL_SHRM_GT3 24213	28.51 0.73 -20.39	20.69 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.77 -19.17	30.99 1.12 -20.82	35.54 1.48 -21.83	38.10 1.96 -19.26	40.17 2.54 -13.96	29.57 2.00 -7.18	28.23 2.11 -6.36	25.79 1.20 -13.08
PPL_SHRM_GT4 24214	28.51 0.73 -20.39	20.69 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.77 -19.17	30.99 1.12 -20.82	35.54 1.48 -21.83	38.10 1.96 -19.26	40.17 2.54 -13.96	29.57 2.00 -7.18	28.23 2.11 -6.36	25.79 1.20 -13.08
PROJECT____ORANGE 1 24174	8.85 0.00 -1.46	7.48 -0.01 -1.25	6.34 -0.01 -1.25	6.31 -0.01 -1.21	7.11 0.00 -1.14	8.70 0.00 -1.21	11.68 0.04 -1.68	11.59 0.02 -2.10	12.21 0.00 -1.35	12.48 -0.02 -0.81	11.63 0.02 -0.78	9.43 0.04 -1.21	8.91 0.04 -1.29	9.16 0.04 -1.39	8.58 0.02 -1.47	8.88 0.04 -1.54	8.46 0.06 -1.45	11.12 0.04 -2.04	14.26 0.00 -2.02	18.57 -0.02 -1.71	24.58 -0.05 -0.94	21.07 -0.06 -0.74	19.92 -0.08 -0.24	12.41 -0.02 -0.93
PROJECT____ORANGE 2 24166	8.85 0.00 -1.46	7.48 -0.01 -1.25	6.34 -0.01 -1.25	6.31 -0.01 -1.21	7.11 0.00 -1.14	8.70 0.00 -1.21	11.68 0.04 -1.68	11.59 0.02 -2.10	12.21 0.00 -1.35	12.48 -0.02 -0.81	11.63 0.02 -0.78	9.43 0.04 -1.21	8.91 0.04 -1.29	9.16 0.04 -1.39	8.58 0.02 -1.47	8.88 0.04 -1.54	8.46 0.06 -1.45	11.12 0.04 -2.04	14.26 0.00 -2.02	18.57 -0.02 -1.71	24.58 -0.05 -0.94	21.07 -0.06 -0.74	19.92 -0.08 -0.24	12.41 -0.02 -0.93
PUCKETT____SOLAR 323809	12.15 0.24 -4.52	10.31 0.21 -3.86	9.14 0.17 -3.87	9.02 0.17 -3.75	9.71 0.21 -3.54	11.50 0.26 -3.76	15.57 0.41 -5.20	16.30 0.34 -6.49	15.31 0.29 -4.16	14.43 0.23 -2.50	13.45 0.22 -2.41	11.41 0.18 -3.05	10.97 0.16 -3.23	11.22 0.16 -3.33	10.87 0.16 -3.63	11.26 0.16 -3.80	11.64 0.19 -4.50	15.62 0.26 -6.32	18.87 0.35 -6.28	22.72 0.54 -5.29	27.41 0.81 -2.93	23.32 0.63 -2.30	21.08 0.57 -0.75	14.77 0.39 -2.87
PYRITES____HYD 24023	7.21 -0.18 0.00	6.12 -0.12 0.00	4.99 -0.11 0.00	5.00 -0.10 0.00	5.85 -0.11 0.00	7.33 -0.16 0.00	9.74 -0.22 0.00	9.20 -0.27 0.00	10.51 -0.35 0.00	11.49 -0.21 0.00	10.53 -0.30 0.00	3.09 -0.38 4.71	2.07 -0.37 5.14	0.73 -0.36 6.64	0.53 -0.30 6.25	0.53 -0.29 6.48	6.48 -0.47 0.00	8.48 -0.56 0.00	11.71 -0.53 0.00	16.31 -0.57 0.00	23.04 -0.64 0.00	19.90 -0.49 0.00	19.46 -0.30 0.00	11.31 -0.20 0.00
QUAKERRD_115KV_BK1 80622	9.07 -0.14 -1.82	7.64 -0.16 -1.56	6.53 -0.13 -1.56	6.50 -0.12 -1.51	7.25 -0.14 -1.43	8.86 -0.14 -1.51	11.86 -0.20 -2.10	11.86 -0.23 -2.62	12.26 -0.29 -1.69	12.36 -0.35 -1.01	11.57 -0.24 -0.98	9.25 -0.16 -1.24	8.76 -0.13 -1.31	8.94 -0.14 -1.35	8.43 -0.12 -1.47	8.72 -0.12 -1.54	8.68 -0.09 -1.82	11.47 -0.14 -2.57	14.56 -0.22 -2.55	18.64 -0.39 -2.15	24.16 -0.71 -1.19	20.71 -0.61 -0.93	19.45 -0.61 -0.31	12.41 -0.26 -1.16

QUENSBRY_115KV_TB8 356137	25.31	21.51	20.40	19.91	19.97	22.40	30.69	35.23	27.47	22.03	20.77	20.53	20.58	21.14	21.67	22.54	24.78	33.84	36.74	38.16	36.05	30.19	23.33	23.03
	0.18	0.12	0.11	0.11	0.13	0.17	0.31	0.27	0.26	0.53	0.49	0.36	0.32	0.32	0.33	0.34	0.15	0.24	0.29	0.52	0.90	0.80	0.61	0.26
	-17.74	-15.15	-15.19	-14.70	-13.87	-14.74	-20.42	-25.48	-16.35	-9.81	-9.46	-11.99	-12.68	-13.09	-14.25	-14.90	-17.68	-24.55	-24.21	-20.75	-11.47	-9.00	-2.96	-11.26
RAMAPO____LBMP 323565	21.51	18.28	17.12	16.74	17.01	19.28	26.29	29.69	24.22	20.10	18.89	18.01	17.92	18.40	18.59	19.34	21.11	29.16	32.56	34.05	34.12	28.58	23.30	20.90
	0.43	0.36	0.29	0.29	0.34	0.42	0.59	0.58	0.76	0.84	0.77	0.59	0.57	0.59	0.52	0.55	0.54	0.68	0.89	1.15	1.59	1.24	1.26	0.70
	-13.69	-11.69	-11.72	-11.35	-10.71	-11.38	-15.74	-19.64	-12.60	-7.56	-7.29	-9.24	-9.77	-10.09	-10.99	-11.49	-13.63	-19.44	-19.44	-16.02	-8.85	-6.95	-2.28	-8.69
RANKINE____ 23646	9.89	8.31	7.20	7.14	7.88	9.53	12.73	12.86	12.89	12.76	12.05	9.82	9.37	9.56	9.10	9.39	9.46	12.60	15.74	19.61	24.65	21.12	19.66	13.04
	0.01	-0.06	-0.04	-0.03	-0.04	-0.03	-0.09	-0.19	-0.27	-0.32	-0.11	-0.05	0.01	-0.01	0.01	-0.01	0.03	0.04	0.01	-0.22	-0.66	-0.55	-0.51	-0.07
	-2.49	-2.13	-2.13	-2.06	-1.95	-2.07	-2.86	-3.57	-2.30	-1.38	-1.33	-1.69	-1.78	-1.84	-2.00	-2.10	-2.48	-3.52	-3.49	-2.95	-1.63	-1.28	-0.42	-1.60
RAVENSWOOD_GT2_1 24244	22.02	18.72	17.55	17.16	17.41	19.70	26.90	30.43	24.77	20.51	19.30	18.43	18.36	18.98	21.01	20.02	21.68	29.95	33.38	34.76	34.63	28.98	23.54	21.30
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	0.99	0.93	0.69	0.67	0.70	0.62	0.65	0.63	0.80	1.04	1.32	1.80	1.41	1.42	0.81
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT2_2 24245	22.02	18.72	17.55	17.16	17.41	19.70	26.90	30.43	24.77	20.51	19.30	18.43	18.36	18.98	21.01	20.02	21.68	29.95	33.38	34.76	34.63	28.98	23.54	21.30
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	0.99	0.93	0.69	0.67	0.70	0.62	0.65	0.63	0.80	1.04	1.32	1.80	1.41	1.42	0.81
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT2_3 24246	22.02	18.72	17.55	17.16	17.42	19.70	26.90	30.43	24.77	20.52	19.30	18.44	18.36	18.98	21.01	20.02	21.68	29.95	33.39	34.78	34.66	28.98	23.54	21.31
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	1.01	0.93	0.70	0.67	0.70	0.62	0.66	0.63	0.80	1.05	1.33	1.82	1.41	1.42	0.82
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT2_4 24247	22.02	18.72	17.55	17.16	17.42	19.70	26.90	30.43	24.77	20.52	19.30	18.44	18.36	18.98	21.01	20.02	21.68	29.95	33.39	34.78	34.66	28.98	23.54	21.31
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	1.01	0.93	0.70	0.67	0.70	0.62	0.66	0.63	0.80	1.05	1.33	1.82	1.41	1.42	0.82
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT3_1 24248	22.02	18.72	17.55	17.16	17.41	19.70	26.90	30.43	24.77	20.51	19.30	18.43	18.36	18.98	21.01	20.02	21.68	29.95	33.38	34.76	34.63	28.98	23.54	21.30
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	0.99	0.93	0.69	0.67	0.70	0.62	0.65	0.63	0.80	1.04	1.32	1.80	1.41	1.42	0.81
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT3_2 24249	22.02	18.72	17.55	17.16	17.41	19.70	26.90	30.43	24.77	20.51	19.30	18.43	18.36	18.98	21.01	20.02	21.68	29.95	33.38	34.76	34.63	28.98	23.54	21.30
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	0.99	0.93	0.69	0.67	0.70	0.62	0.65	0.63	0.80	1.04	1.32	1.80	1.41	1.42	0.81
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT3_3 24250	22.03	18.72	17.55	17.16	17.42	19.71	26.91	30.44	24.78	20.53	19.31	18.44	18.37	18.98	21.01	20.03	21.68	29.96	33.40	34.79	34.68	29.00	23.56	21.31
	0.49	0.40	0.33	0.33	0.38	0.46	0.68	0.66	0.89	1.02	0.94	0.71	0.68	0.70	0.63	0.66	0.63	0.81	1.06	1.35	1.85	1.43	1.44	0.82
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT3_4 24251	22.03	18.72	17.55	17.16	17.42	19.71	26.91	30.44	24.78	20.53	19.31	18.44	18.37	18.98	21.01	20.03	21.68	29.96	33.40	34.79	34.68	29.00	23.56	21.31
	0.49	0.40	0.33	0.33	0.38	0.46	0.68	0.66	0.89	1.02	0.94	0.71	0.68	0.70	0.63	0.66	0.63	0.81	1.06	1.35	1.85	1.43	1.44	0.82
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT_1 23729	22.02	18.72	17.55	17.16	17.42	19.68	26.90	30.43	24.78	20.53	19.32	18.45	18.38	18.99	21.01	20.04	21.69	29.96	33.40	34.79	34.66	28.96	23.52	21.31
	0.48	0.39	0.33	0.33	0.38	0.43	0.67	0.65	0.89	1.02	0.95	0.72	0.70	0.71	0.63	0.67	0.64	0.81	1.06	1.35	1.82	1.39	1.40	0.82
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT_10 24258	22.02	18.72	17.55	17.16	17.41	19.70	26.90	30.43	24.77	20.51	19.30	18.43	18.36	18.98	21.01	20.02	21.68	29.95	33.38	34.76	34.63	28.98	23.54	21.30
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	0.99	0.93	0.69	0.67	0.70	0.62	0.65	0.63	0.80	1.04	1.32	1.80	1.41	1.42	0.81
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT_11 24259	22.02	18.72	17.55	17.16	17.41	19.70	26.90	30.43	24.77	20.51	19.30	18.43	18.36	18.98	21.01	20.02	21.68	29.95	33.38	34.76	34.63	28.98	23.54	21.30
	0.48	0.39	0.33	0.32	0.38	0.45	0.67	0.65	0.88	0.99	0.93	0.69	0.67	0.70	0.62	0.65	0.63	0.80	1.04	1.32	1.80	1.41	1.42	0.81
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99
RAVENSWOOD_GT_4 24252	22.02	18.72	17.55	17.16	17.41	19.71	26.90	30.43	24.77	20.51	19.30	18.43	18.36	18.97	21.01	20.02	21.68	29.95	33.38	34.78	34.63	28.98	23.54	21.31
	0.48	0.39	0.33	0.32	0.38	0.46	0.67	0.65	0.88	0.99	0.93	0.69	0.67	0.69	0.62	0.65	0.63	0.80	1.04	1.33	1.80	1.41	1.42	0.82
	-14.15	-12.09	-12.12	-11.73	-11.07	-11.76	-16.27	-20.30	-13.03	-7.81	-7.54	-9.55	-10.10	-10.55	-13.30	-12.06	-14.10	-20.11	-20.11	-16.56	-9.15	-7.18	-2.36	-8.99

RAVENSWOOD_GT_5 24254	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.71 0.46 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.43 0.69 -9.55	18.36 0.67 -10.10	18.97 0.69 -10.55	21.01 0.62 -13.30	20.02 0.65 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.78 1.33 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.31 0.82 -8.99
RAVENSWOOD_GT_6 24253	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.71 0.46 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.43 0.69 -9.55	18.36 0.67 -10.10	18.97 0.69 -10.55	21.01 0.62 -13.30	20.02 0.65 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.78 1.33 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.31 0.82 -8.99
RAVENSWOOD_GT_7 24255	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.71 0.46 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.43 0.69 -9.55	18.36 0.67 -10.10	18.97 0.69 -10.55	21.01 0.62 -13.30	20.02 0.65 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.78 1.33 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.31 0.82 -8.99
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.43 0.69 -9.55	18.36 0.67 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.02 0.65 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
RAVENSWOOD_GT_9 24257	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.43 0.69 -9.55	18.36 0.67 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.02 0.65 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
RAVENSWOOD___1 23533	22.02 0.48 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.68 0.43 -11.76	26.89 0.66 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.03 0.66 -12.06	21.68 0.63 -14.10	29.96 0.81 -20.11	33.39 1.06 -20.11	34.78 1.35 -16.56	34.63 1.82 -9.15	28.94 1.37 -7.18	23.50 1.38 -2.36	21.30 0.81 -8.99
RAVENSWOOD___2 23534	22.02 0.48 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.68 0.43 -11.76	26.89 0.66 -16.27	30.42 0.64 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.03 0.66 -12.06	21.68 0.63 -14.10	29.96 0.81 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.63 1.80 -9.15	28.94 1.37 -7.18	23.50 1.38 -2.36	21.30 0.81 -8.99
RAVENSWOOD___3 23535	22.02 0.48 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.70 0.45 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.51 0.99 -7.81	19.30 0.93 -7.54	18.44 0.70 -9.55	18.36 0.67 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.02 0.65 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.78 1.33 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
RAVENSWOOD___4 23820	22.02 0.47 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.68 0.43 -11.76	26.88 0.65 -16.27	30.42 0.64 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.71 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.39 1.05 -20.11	34.78 1.33 -16.56	34.63 1.80 -9.15	28.94 1.37 -7.18	23.50 1.38 -2.36	21.29 0.79 -8.99
RCPL_TRUST___DRP 24196	22.04 0.50 -14.15	18.73 0.41 -12.09	17.56 0.34 -12.12	17.17 0.33 -11.73	17.42 0.39 -11.07	19.72 0.47 -11.76	26.93 0.70 -16.27	30.46 0.68 -20.30	24.80 0.91 -13.03	20.54 1.03 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.70 -10.10	18.99 0.72 -10.55	20.91 0.65 -13.18	20.03 0.68 -12.05	21.70 0.65 -14.10	29.97 0.82 -20.11	33.40 1.06 -20.11	34.81 1.37 -16.56	34.73 1.89 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.33 0.84 -8.99
RED___ROCHESTER 323720	9.33 0.07 -1.87	7.84 0.01 -1.60	6.70 0.00 -1.60	6.67 0.02 -1.55	7.44 0.02 -1.46	9.10 0.06 -1.55	12.17 0.06 -2.15	12.17 0.01 -2.68	12.55 -0.03 -1.72	12.66 -0.07 -1.03	11.88 0.04 -1.00	9.51 0.06 -1.27	9.00 0.07 -1.34	9.18 0.07 -1.39	8.68 0.09 -1.51	8.96 0.07 -1.58	8.87 0.06 -1.86	11.79 0.14 -2.62	14.97 0.12 -2.61	19.14 0.05 -2.20	24.85 -0.05 -1.22	21.27 -0.08 -0.96	19.97 -0.10 -0.31	12.74 0.05 -1.19
REGAN___SOLAR 323812	28.08 0.69 -20.00	23.85 0.54 -17.08	22.67 0.44 -17.13	22.12 0.44 -16.58	22.14 0.53 -15.64	24.79 0.68 -16.62	34.02 1.07 -22.99	39.15 0.94 -28.73	30.17 0.90 -18.41	23.59 0.85 -11.04	22.26 0.77 -10.66	22.27 0.57 -13.52	22.41 0.53 -14.30	23.02 0.53 -14.76	23.62 0.46 -16.07	24.66 0.55 -16.80	27.44 0.56 -19.93	37.56 0.71 -27.82	40.79 1.03 -27.53	41.94 1.62 -23.43	39.40 2.77 -12.95	32.98 2.43 -10.16	25.15 2.05 -3.34	25.30 1.09 -12.70
RENSSELAER___COGEN 23796	24.77 0.33 -17.05	21.07 0.27 -14.56	19.92 0.22 -14.60	19.46 0.22 -14.13	19.56 0.26 -13.33	21.98 0.33 -14.17	29.99 0.43 -19.60	34.31 0.39 -24.45	27.02 0.47 -15.69	21.59 0.48 -9.41	20.36 0.45 -9.07	20.03 0.35 -11.51	20.07 0.32 -12.16	20.61 0.32 -12.56	21.06 0.30 -13.68	21.91 0.31 -14.30	24.21 0.30 -16.96	32.99 0.39 -23.56	36.02 0.53 -23.26	37.55 0.73 -19.94	35.72 1.02 -11.02	29.96 0.92 -8.65	23.45 0.85 -2.84	22.79 0.46 -10.82
REPUBLIC_115KV_BARTNBRK 55605	25.61 0.50 -17.72	21.75 0.37 -15.14	20.58 0.31 -15.18	20.10 0.31 -14.69	20.20 0.38 -13.86	22.70 0.49 -14.73	31.15 0.79 -20.41	35.65 0.71 -25.46	27.89 0.70 -16.34	22.43 0.94 -9.80	21.16 0.88 -9.45	20.80 0.64 -11.98	20.81 0.56 -12.67	21.38 0.57 -13.08	21.89 0.56 -14.24	22.79 0.59 -14.89	25.02 0.41 -17.66	34.16 0.59 -24.53	37.22 0.80 -24.19	38.95 1.33 -20.73	37.32 2.18 -11.46	31.30 1.92 -8.99	24.27 1.56 -2.96	23.53 0.77 -11.25
REVERE_CPPR_DRP 24186	8.39 0.18 -0.82	7.12 0.19 -0.70	5.94 0.14 -0.70	5.92 0.14 -0.68	6.77 0.17 -0.64	8.35 0.19 -0.68	11.24 0.34 -0.94	10.93 0.28 -1.17	11.90 0.27 -0.77	12.39 0.23 -0.46	11.50 0.23 -0.44	9.52 0.16 -1.18	8.96 0.11 -1.27	9.35 0.13 -1.49	8.69 0.11 -1.49	9.00 0.14 -1.55	7.89 0.13 -0.81	10.35 0.16 -1.14	13.72 0.35 -1.13	18.43 0.59 -0.95	25.04 0.83 -0.53	21.50 0.69 -0.41	20.48 0.59 -0.14	12.39 0.37 -0.52

REYNOLDS_115KV_TB3 80639	24.79 0.33 -17.07	21.09 0.27 -14.58	19.95 0.22 -14.62	19.48 0.22 -14.15	19.58 0.26 -13.35	22.00 0.33 -14.19	30.01 0.42 -19.63	34.35 0.38 -24.49	27.02 0.45 -15.72	21.58 0.46 -9.43	20.37 0.45 -9.09	20.05 0.34 -11.53	20.08 0.31 -12.19	20.62 0.32 -12.58	21.08 0.29 -13.70	21.93 0.30 -14.32	24.23 0.29 -16.99	32.98 0.38 -23.55	35.97 0.50 -23.24	37.55 0.69 -19.97	35.72 0.99 -11.04	29.93 0.88 -8.66	23.43 0.83 -2.85	22.78 0.44 -10.84
RIVERBAY____ 323610	22.05 0.51 -14.15	18.74 0.42 -12.09	17.57 0.35 -12.12	17.19 0.36 -11.73	17.45 0.41 -11.07	19.70 0.45 -11.76	26.92 0.69 -16.27	30.45 0.67 -20.30	24.79 0.90 -13.03	20.54 1.03 -7.81	19.30 0.93 -7.54	18.45 0.72 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	19.03 0.59 -11.36	19.85 0.66 -11.88	21.68 0.63 -14.10	29.91 0.76 -20.11	33.39 1.05 -20.11	34.79 1.35 -16.56	34.70 1.87 -9.15	28.94 1.37 -7.18	23.52 1.40 -2.36	21.34 0.85 -8.99
RIVERSDE_115KV_TB3 55908	24.82 0.34 -17.09	21.11 0.28 -14.59	19.96 0.23 -14.63	19.50 0.23 -14.16	19.60 0.27 -13.37	22.03 0.34 -14.20	30.04 0.44 -19.65	34.39 0.41 -24.51	27.07 0.48 -15.73	21.62 0.49 -9.43	20.40 0.48 -9.10	20.07 0.36 -11.54	20.11 0.33 -12.20	20.65 0.33 -12.59	21.10 0.30 -13.71	21.95 0.31 -14.34	24.26 0.31 -17.01	33.03 0.40 -23.59	36.05 0.53 -23.29	37.60 0.73 -19.99	35.77 1.04 -11.05	30.00 0.94 -8.67	23.48 0.87 -2.85	22.82 0.46 -10.85
ROARING____BROOK_WT_PWR 323790	7.15 -0.24 0.00	6.04 -0.19 0.00	4.94 -0.16 0.00	4.92 -0.18 0.00	5.75 -0.21 0.00	7.21 -0.28 0.00	9.59 -0.37 0.00	9.14 -0.33 0.00	10.49 -0.37 0.00	11.32 -0.37 0.00	10.46 -0.37 0.00	6.76 -0.30 1.11	6.06 -0.30 1.22	5.84 -0.32 1.57	5.31 -0.29 1.48	5.47 -0.30 1.53	6.67 -0.28 0.00	8.72 -0.33 0.00	11.85 -0.38 0.00	16.45 -0.44 0.00	23.16 -0.52 0.00	19.96 -0.43 0.00	19.36 -0.39 0.00	11.29 -0.22 0.00
ROCHESRG_115KV_T4 355643	9.26 0.01 -1.86	7.79 -0.04 -1.59	6.67 -0.03 -1.59	6.62 -0.02 -1.54	7.40 -0.02 -1.46	9.03 0.00 -1.55	12.08 -0.02 -2.14	12.07 -0.08 -2.67	12.45 -0.13 -1.72	12.56 -0.18 -1.03	11.78 -0.04 -1.00	9.43 -0.02 -1.26	8.93 0.01 -1.34	9.11 0.00 -1.38	8.60 0.01 -1.50	8.89 0.01 -1.57	8.84 0.03 -1.86	11.71 0.05 -2.62	14.83 0.00 -2.60	18.96 -0.12 -2.19	24.54 -0.36 -1.21	21.04 -0.31 -0.95	19.77 -0.30 -0.31	12.65 -0.05 -1.19
ROCHESTER_9_IC 23652	9.31 0.04 -1.87	7.82 -0.01 -1.60	6.69 -0.01 -1.60	6.65 0.00 -1.55	7.43 0.00 -1.46	9.08 0.04 -1.55	12.14 0.03 -2.15	12.13 -0.03 -2.68	12.52 -0.08 -1.73	12.62 -0.12 -1.04	11.84 0.01 -1.00	9.47 0.02 -1.27	8.96 0.04 -1.34	9.15 0.04 -1.39	8.65 0.06 -1.51	8.93 0.04 -1.58	8.89 0.07 -1.87	11.78 0.10 -2.64	14.91 0.06 -2.62	19.07 -0.02 -2.20	24.69 -0.21 -1.22	21.17 -0.18 -0.96	19.89 -0.18 -0.31	12.72 0.01 -1.20
ROCKVIEW_13_KV_LD 356306	22.03 0.49 -14.15	18.72 0.40 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.71 0.46 -11.76	26.91 0.68 -16.27	30.45 0.67 -20.30	24.75 0.86 -13.03	20.47 0.96 -7.81	19.25 0.89 -7.54	18.40 0.67 -9.56	18.34 0.65 -10.10	18.83 0.67 -10.43	19.05 0.61 -11.36	19.81 0.64 -11.87	21.65 0.61 -14.09	29.93 0.78 -20.11	33.36 1.02 -20.11	34.74 1.30 -16.56	34.63 1.80 -9.15	28.98 1.41 -7.18	23.54 1.42 -2.36	21.30 0.81 -8.99
ROME____115KV_TB2 80656	8.39 0.18 -0.82	7.12 0.19 -0.70	5.94 0.14 -0.70	5.92 0.14 -0.68	6.77 0.17 -0.64	8.35 0.19 -0.68	11.24 0.34 -0.94	10.93 0.28 -1.17	11.90 0.27 -0.77	12.39 0.23 -0.46	11.50 0.23 -0.44	9.52 0.16 -1.18	8.96 0.11 -1.27	9.35 0.13 -1.49	8.69 0.11 -1.49	9.00 0.14 -1.55	7.89 0.13 -0.81	10.35 0.16 -1.14	13.72 0.35 -1.13	18.43 0.59 -0.95	25.04 0.83 -0.53	21.50 0.69 -0.41	20.48 0.59 -0.14	12.39 0.37 -0.52
ROSETON____1 23587	21.84 0.41 -14.04	18.57 0.34 -11.99	17.40 0.28 -12.02	17.02 0.28 -11.64	17.27 0.33 -10.98	19.56 0.40 -11.67	26.66 0.56 -16.14	30.16 0.55 -20.14	24.49 0.71 -12.92	20.25 0.80 -7.75	19.04 0.74 -7.47	18.20 0.55 -9.48	18.13 0.53 -10.02	18.61 0.54 -10.34	18.84 0.49 -11.27	19.59 0.51 -11.78	21.41 0.49 -13.97	29.61 0.62 -19.94	33.00 0.83 -19.94	34.39 1.08 -16.42	34.21 1.44 -9.08	28.68 1.16 -7.12	23.28 1.19 -2.34	21.09 0.67 -8.91
ROSETON____2 23588	21.84 0.41 -14.04	18.57 0.34 -11.99	17.40 0.28 -12.02	17.02 0.28 -11.64	17.27 0.33 -10.98	19.56 0.40 -11.67	26.66 0.56 -16.14	30.16 0.55 -20.14	24.49 0.71 -12.92	20.25 0.80 -7.75	19.04 0.74 -7.47	18.20 0.55 -9.48	18.13 0.53 -10.02	18.61 0.54 -10.34	18.84 0.49 -11.27	19.59 0.51 -11.78	21.41 0.49 -13.97	29.61 0.62 -19.94	33.00 0.83 -19.94	34.39 1.08 -16.42	34.21 1.44 -9.08	28.68 1.16 -7.12	23.28 1.19 -2.34	21.09 0.67 -8.91
ROTTSDAM_115KV_TB3 80664	25.62 0.27 -17.96	21.79 0.22 -15.33	20.66 0.18 -15.38	20.17 0.18 -14.88	20.22 0.21 -14.04	22.68 0.27 -14.92	31.03 0.39 -20.68	35.63 0.35 -25.81	27.82 0.40 -16.56	22.08 0.44 -9.93	20.83 0.42 -9.58	20.64 0.32 -12.14	20.72 0.30 -12.84	21.28 0.30 -13.25	21.79 0.27 -14.44	22.69 0.29 -15.09	25.12 0.26 -17.90	34.31 0.33 -24.93	37.30 0.46 -24.60	38.55 0.66 -21.01	36.24 0.95 -11.61	30.34 0.84 -9.11	23.52 0.77 -3.00	23.32 0.41 -11.40
RUSSELL____1 23602	9.33 0.07 -1.87	7.84 0.01 -1.60	6.70 0.00 -1.60	6.67 0.02 -1.55	7.44 0.02 -1.46	9.11 0.07 -1.55	12.17 0.06 -2.15	12.17 0.01 -2.68	12.56 -0.03 -1.73	12.67 -0.07 -1.04	11.89 0.05 -1.00	9.51 0.06 -1.27	8.99 0.07 -1.34	9.18 0.07 -1.39	8.68 0.09 -1.51	8.95 0.07 -1.58	8.92 0.10 -1.87	11.81 0.14 -2.64	14.97 0.12 -2.62	19.14 0.05 -2.20	24.78 -0.12 -1.22	21.27 -0.08 -0.96	19.97 -0.10 -0.31	12.75 0.05 -1.20
RUSSELL____2 23532	9.33 0.07 -1.87	7.84 0.01 -1.60	6.70 0.00 -1.60	6.67 0.02 -1.55	7.44 0.02 -1.46	9.11 0.07 -1.55	12.17 0.06 -2.15	12.17 0.01 -2.68	12.56 -0.03 -1.73	12.67 -0.07 -1.04	11.89 0.05 -1.00	9.51 0.06 -1.27	8.99 0.07 -1.34	9.18 0.07 -1.39	8.68 0.09 -1.51	8.95 0.07 -1.58	8.92 0.10 -1.87	11.81 0.14 -2.64	14.97 0.12 -2.62	19.14 0.05 -2.20	24.78 -0.12 -1.22	21.27 -0.08 -0.96	19.97 -0.10 -0.31	12.75 0.05 -1.20
RUSSELL____3 23549	9.33 0.07 -1.87	7.84 0.01 -1.60	6.70 0.00 -1.60	6.67 0.02 -1.55	7.44 0.02 -1.46	9.11 0.07 -1.55	12.17 0.06 -2.15	12.17 0.01 -2.68	12.56 -0.03 -1.73	12.67 -0.07 -1.04	11.89 0.05 -1.00	9.51 0.06 -1.27	8.99 0.07 -1.34	9.18 0.07 -1.39	8.68 0.09 -1.51	8.95 0.07 -1.58	8.92 0.10 -1.87	11.81 0.14 -2.64	14.97 0.12 -2.62	19.14 0.05 -2.20	24.78 -0.12 -1.22	21.27 -0.08 -0.96	19.97 -0.10 -0.31	12.75 0.05 -1.20
RUSSELL____4 23556	9.33 0.07 -1.87	7.84 0.01 -1.60	6.70 0.00 -1.60	6.67 0.02 -1.55	7.44 0.02 -1.46	9.11 0.07 -1.55	12.17 0.06 -2.15	12.17 0.01 -2.68	12.56 -0.03 -1.73	12.67 -0.07 -1.04	11.89 0.05 -1.00	9.51 0.06 -1.27	8.99 0.07 -1.34	9.18 0.07 -1.39	8.68 0.09 -1.51	8.95 0.07 -1.58	8.92 0.10 -1.87	11.81 0.14 -2.64	14.97 0.12 -2.62	19.14 0.05 -2.20	24.78 -0.12 -1.22	21.27 -0.08 -0.96	19.97 -0.10 -0.31	12.75 0.05 -1.20

RUSSELL___STATION 23914	9.33 0.07 -1.87	7.84 0.01 -1.60	6.70 0.00 -1.60	6.67 0.02 -1.55	7.44 0.02 -1.46	9.11 0.07 -1.55	12.17 0.06 -2.15	12.17 0.01 -2.68	12.56 -0.03 -1.73	12.67 -0.07 -1.04	11.89 0.05 -1.00	9.51 0.06 -1.27	8.99 0.07 -1.34	9.18 0.07 -1.39	8.68 0.09 -1.51	8.95 0.07 -1.58	8.92 0.10 -1.87	11.81 0.14 -2.64	14.97 0.12 -2.62	19.14 0.05 -2.20	24.78 -0.12 -1.22	21.27 -0.08 -0.96	19.97 -0.10 -0.31	12.75 0.05 -1.20
S SALMON___HYD 24043	8.56 -0.04 -1.21	7.24 -0.03 -1.03	6.11 -0.03 -1.04	6.08 -0.03 -1.00	6.88 -0.03 -0.95	8.45 -0.04 -1.01	11.34 -0.01 -1.39	11.19 -0.03 -1.74	11.90 -0.08 -1.12	12.25 -0.12 -0.67	11.39 -0.10 -0.65	9.75 -0.07 -1.64	9.27 -0.08 -1.76	9.70 -0.08 -2.05	9.08 -0.06 -2.06	9.38 -0.07 -2.15	8.10 -0.06 -1.21	10.66 -0.08 -1.70	13.81 -0.13 -1.71	18.19 -0.14 -1.44	24.36 -0.12 -0.80	20.90 -0.12 -0.62	19.84 -0.12 -0.21	12.23 -0.05 -0.77
S.PERRY__115KV_TB1 80734	10.25 0.50 -2.37	8.64 0.38 -2.02	7.43 0.30 -2.03	7.38 0.32 -1.96	8.20 0.39 -1.85	10.01 0.55 -1.97	13.49 0.81 -2.72	13.58 0.71 -3.39	13.69 0.64 -2.19	13.63 0.62 -1.31	12.73 0.64 -1.27	10.28 0.50 -1.60	9.68 0.40 -1.69	9.85 0.37 -1.75	9.34 0.35 -1.91	9.68 0.39 -1.99	9.73 0.42 -2.36	12.97 0.61 -3.32	16.32 0.80 -3.30	20.81 1.15 -2.78	26.80 1.59 -1.54	22.92 1.33 -1.20	21.32 1.17 -0.40	13.76 0.75 -1.51
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	9.75 -0.03 -2.39	8.19 -0.09 -2.04	7.09 -0.06 -2.05	7.03 -0.05 -1.98	7.77 -0.07 -1.87	9.40 -0.07 -1.99	12.56 -0.15 -2.75	12.64 -0.27 -3.43	12.72 -0.35 -2.21	12.63 -0.40 -1.32	11.92 -0.18 -1.28	9.69 -0.11 -1.62	9.25 -0.05 -1.71	9.43 -0.06 -1.77	8.97 -0.04 -1.92	9.26 -0.05 -2.01	9.33 -0.01 -2.38	12.39 -0.03 -3.38	15.49 -0.10 -3.35	19.34 -0.37 -2.83	24.34 -0.90 -1.56	20.89 -0.73 -1.23	19.49 -0.67 -0.40	12.89 -0.15 -1.53
SAWYER__23_KV_LOAD 55526	9.75 -0.03 -2.39	8.19 -0.09 -2.04	7.09 -0.06 -2.05	7.03 -0.05 -1.98	7.77 -0.07 -1.87	9.40 -0.07 -1.99	12.56 -0.15 -2.75	12.64 -0.27 -3.43	12.72 -0.35 -2.21	12.63 -0.40 -1.32	11.92 -0.18 -1.28	9.69 -0.11 -1.62	9.25 -0.05 -1.71	9.43 -0.06 -1.77	8.97 -0.04 -1.92	9.26 -0.05 -2.01	9.33 -0.01 -2.38	12.39 -0.03 -3.38	15.49 -0.10 -3.35	19.34 -0.37 -2.83	24.34 -0.90 -1.56	20.89 -0.73 -1.23	19.49 -0.67 -0.40	12.89 -0.15 -1.53
SELKIRK___I 23801	24.49 0.32 -16.78	20.83 0.27 -14.33	19.69 0.22 -14.37	19.23 0.22 -13.91	19.34 0.26 -13.12	21.75 0.32 -13.94	29.67 0.42 -19.29	33.90 0.38 -24.04	26.74 0.43 -15.44	21.41 0.44 -9.26	20.17 0.42 -8.92	19.81 0.32 -11.31	19.83 0.29 -11.96	20.37 0.29 -12.35	20.80 0.27 -13.45	21.65 0.28 -14.06	23.91 0.28 -16.68	32.68 0.36 -23.28	35.77 0.50 -23.03	37.20 0.71 -19.61	35.51 0.99 -10.84	29.79 0.90 -8.50	23.40 0.85 -2.80	22.63 0.47 -10.65
SELKIRK___II 23799	24.66 0.30 -16.98	20.98 0.25 -14.50	19.84 0.20 -14.54	19.38 0.20 -14.07	19.48 0.24 -13.28	21.90 0.30 -14.11	29.86 0.38 -19.52	34.16 0.35 -24.33	26.91 0.42 -15.63	21.52 0.44 -9.37	20.28 0.42 -9.03	19.95 0.32 -11.45	19.99 0.30 -12.11	20.52 0.29 -12.50	20.96 0.27 -13.61	21.82 0.28 -14.23	24.11 0.28 -16.88	32.92 0.35 -23.52	35.97 0.48 -23.26	37.40 0.68 -19.84	35.57 0.92 -10.97	29.81 0.82 -8.60	23.38 0.79 -2.83	22.71 0.43 -10.78
SENECA OSWGO___HYD 24041	8.69 -0.07 -1.36	7.34 -0.06 -1.16	6.21 -0.06 -1.17	6.18 -0.05 -1.13	6.98 -0.05 -1.07	8.56 -0.06 -1.13	11.48 -0.05 -1.57	11.37 -0.07 -1.96	12.00 -0.12 -1.26	12.30 -0.15 -0.75	11.46 -0.10 -0.73	9.32 -0.05 -1.20	8.80 -0.06 -1.27	9.06 -0.06 -1.39	8.47 -0.07 -1.46	8.77 -0.05 -1.52	8.27 -0.04 -1.36	10.88 -0.07 -1.91	13.98 -0.15 -1.90	18.28 -0.20 -1.60	24.33 -0.24 -0.88	20.84 -0.24 -0.69	19.73 -0.26 -0.23	12.25 -0.13 -0.87
SENECA___115KV_TB3 355854	9.89 0.01 -2.49	8.31 -0.05 -2.13	7.20 -0.03 -2.13	7.15 -0.02 -2.06	7.88 -0.03 -1.95	9.53 -0.02 -2.07	12.75 -0.07 -2.86	12.86 -0.18 -3.57	12.91 -0.25 -2.30	12.77 -0.30 -1.38	12.07 -0.09 -1.33	9.82 -0.04 -1.69	9.38 0.02 -1.78	9.57 0.00 -1.84	9.10 0.01 -2.00	9.41 0.01 -2.10	9.48 0.05 -2.48	12.62 0.05 -3.52	15.75 0.02 -3.49	19.65 -0.19 -2.95	24.69 -0.62 -1.63	21.16 -0.51 -1.28	19.70 -0.47 -0.42	13.06 -0.05 -1.60
SENECA___ENERGY 23797	9.43 0.07 -1.97	7.96 0.04 -1.68	6.82 0.03 -1.69	6.77 0.04 -1.63	7.56 0.06 -1.54	9.22 0.10 -1.64	12.40 0.18 -2.26	12.44 0.14 -2.83	12.77 0.10 -1.81	12.86 0.07 -1.09	11.98 0.10 -1.05	9.60 0.09 -1.34	9.08 0.08 -1.41	9.26 0.08 -1.46	8.73 0.06 -1.59	9.04 0.08 -1.66	9.00 0.09 -1.96	11.91 0.12 -2.75	15.08 0.10 -2.75	19.32 0.12 -2.32	25.17 0.21 -1.28	21.52 0.12 -1.00	20.15 0.06 -0.33	12.84 0.08 -1.25
SHOEMAKER___GT 23640	20.60 0.35 -12.87	17.52 0.30 -10.99	16.36 0.24 -11.02	16.01 0.24 -10.66	16.31 0.29 -10.06	18.55 0.37 -10.69	25.23 0.48 -14.79	28.39 0.46 -18.46	23.32 0.62 -11.84	19.48 0.68 -7.10	18.28 0.61 -6.85	17.32 0.46 -8.69	17.21 0.44 -9.18	17.65 0.45 -9.48	17.82 0.41 -10.32	18.51 0.42 -10.79	20.16 0.40 -12.80	27.84 0.54 -18.26	31.21 0.72 -18.25	32.92 0.98 -15.05	33.23 1.23 -8.32	27.92 1.00 -6.53	22.93 1.03 -2.15	20.25 0.58 -8.17
SHOEMAKR_138KV_BK 111 55601	20.49 0.35 -12.76	17.43 0.30 -10.89	16.27 0.24 -10.92	15.92 0.24 -10.57	16.23 0.29 -9.98	18.45 0.37 -10.60	25.11 0.49 -14.66	28.25 0.47 -18.30	23.23 0.63 -11.74	19.42 0.68 -7.04	18.23 0.61 -6.79	17.26 0.47 -8.61	17.14 0.45 -9.10	17.58 0.46 -9.40	17.74 0.42 -10.24	18.43 0.42 -10.70	20.06 0.42 -12.70	27.69 0.54 -18.10	31.03 0.71 -18.09	32.77 0.96 -14.92	33.21 1.28 -8.25	27.88 1.02 -6.47	22.91 1.03 -2.13	20.18 0.58 -8.10
SHOREHAM_IC_1 23715	28.51 0.73 -20.39	20.69 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.77 -19.17	30.99 1.12 -20.82	35.54 1.48 -21.83	38.10 1.96 -19.26	40.17 2.54 -13.96	29.57 2.00 -7.18	28.23 2.11 -6.36	25.79 1.20 -13.08
SHOREHAM_IC_2 23716	28.51 0.73 -20.39	20.69 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.46 0.83 -17.55	25.39 0.81 -17.27	26.89 0.77 -19.17	30.99 1.12 -20.82	35.54 1.48 -21.83	38.10 1.96 -19.26	40.17 2.54 -13.96	29.57 2.00 -7.18	28.23 2.11 -6.36	25.79 1.20 -13.08
SISSONVILLE___ 23735	7.15 -0.24 0.00	6.06 -0.17 0.00	4.94 -0.16 0.00	4.95 -0.15 0.00	5.79 -0.17 0.00	7.27 -0.22 0.00	9.61 -0.35 0.00	9.49 -0.39 -0.40	10.36 -0.50 0.00	11.38 -0.32 0.00	10.44 -0.39 0.00	2.72 -0.49 4.97	1.69 -0.47 5.43	0.25 -0.47 7.01	0.10 -0.39 6.59	0.10 -0.36 6.84	6.65 -0.58 -0.28	8.74 -0.69 -0.39	11.50 -0.73 0.00	16.01 -0.88 0.00	22.64 -1.04 0.00	19.60 -0.80 0.00	19.26 -0.49 0.00	11.21 -0.30 0.00

SITHE_IND_GS1 24169	8.39 -0.17 -1.17	7.09 -0.15 -1.00	5.98 -0.13 -1.00	5.95 -0.12 -0.97	6.74 -0.14 -0.92	8.29 -0.17 -0.97	11.10 -0.21 -1.35	10.94 -0.22 -1.68	11.67 -0.27 -1.08	12.03 -0.32 -0.65	11.19 -0.26 -0.63	8.79 -0.18 -0.79	8.25 -0.17 -0.84	8.42 -0.17 -0.87	7.87 -0.16 -0.94	8.13 -0.15 -0.99	7.97 -0.15 -1.17	10.48 -0.20 -1.64	13.56 -0.31 -1.63	17.82 -0.44 -1.37	23.85 -0.59 -0.76	20.46 -0.53 -0.60	19.42 -0.53 -0.20	11.97 -0.28 -0.74
SITHE_IND_GS2 24170	8.39 -0.17 -1.17	7.09 -0.15 -1.00	5.98 -0.13 -1.00	5.95 -0.12 -0.97	6.74 -0.14 -0.92	8.29 -0.17 -0.97	11.10 -0.21 -1.35	10.94 -0.22 -1.68	11.67 -0.27 -1.08	12.03 -0.32 -0.65	11.19 -0.26 -0.63	8.79 -0.18 -0.79	8.25 -0.17 -0.84	8.42 -0.17 -0.87	7.87 -0.16 -0.94	8.13 -0.15 -0.99	7.97 -0.15 -1.17	10.48 -0.20 -1.64	13.56 -0.31 -1.63	17.82 -0.44 -1.37	23.85 -0.59 -0.76	20.46 -0.53 -0.60	19.42 -0.53 -0.20	11.97 -0.28 -0.74
SITHE_IND_GS3 24171	8.39 -0.17 -1.17	7.09 -0.15 -1.00	5.98 -0.13 -1.00	5.95 -0.12 -0.97	6.74 -0.14 -0.92	8.29 -0.17 -0.97	11.10 -0.21 -1.35	10.94 -0.22 -1.68	11.67 -0.27 -1.08	12.03 -0.32 -0.65	11.19 -0.26 -0.63	8.79 -0.18 -0.79	8.25 -0.17 -0.84	8.42 -0.17 -0.87	7.87 -0.16 -0.94	8.13 -0.15 -0.99	7.97 -0.15 -1.17	10.48 -0.20 -1.64	13.56 -0.31 -1.63	17.82 -0.44 -1.37	23.85 -0.59 -0.76	20.46 -0.53 -0.60	19.42 -0.53 -0.20	11.97 -0.28 -0.74
SITHE_IND_GS4 24172	8.39 -0.17 -1.17	7.09 -0.15 -1.00	5.98 -0.13 -1.00	5.95 -0.12 -0.97	6.74 -0.14 -0.92	8.29 -0.17 -0.97	11.10 -0.21 -1.35	10.94 -0.22 -1.68	11.67 -0.27 -1.08	12.03 -0.32 -0.65	11.19 -0.26 -0.63	8.79 -0.18 -0.79	8.25 -0.17 -0.84	8.42 -0.17 -0.87	7.87 -0.16 -0.94	8.13 -0.15 -0.99	7.97 -0.15 -1.17	10.48 -0.20 -1.64	13.56 -0.31 -1.63	17.82 -0.44 -1.37	23.85 -0.59 -0.76	20.46 -0.53 -0.60	19.42 -0.53 -0.20	11.97 -0.28 -0.74
SITHE___BATAVIA 24024	9.51 0.24 -1.88	7.98 0.14 -1.60	6.82 0.11 -1.61	6.79 0.13 -1.56	7.59 0.15 -1.47	9.31 0.26 -1.56	12.46 0.34 -2.16	12.45 0.28 -2.69	12.83 0.24 -1.73	12.95 0.21 -1.04	12.13 0.29 -1.01	9.68 0.23 -1.28	9.16 0.23 -1.35	9.34 0.22 -1.39	8.81 0.21 -1.52	9.11 0.22 -1.59	9.01 0.19 -1.87	11.99 0.33 -2.63	15.25 0.39 -2.62	19.57 0.47 -2.21	25.57 0.66 -1.22	21.84 0.49 -0.96	20.51 0.43 -0.32	13.03 0.33 -1.19
SITHE___INDEPEND 23800	8.39 -0.17 -1.17	7.09 -0.15 -1.00	5.98 -0.13 -1.00	5.95 -0.12 -0.97	6.74 -0.14 -0.92	8.29 -0.17 -0.97	11.10 -0.21 -1.35	10.94 -0.22 -1.68	11.67 -0.27 -1.08	12.03 -0.32 -0.65	11.21 -0.25 -0.63	8.79 -0.18 -0.79	8.25 -0.17 -0.84	8.42 -0.17 -0.87	7.87 -0.16 -0.94	8.13 -0.15 -0.99	7.98 -0.14 -1.17	10.48 -0.20 -1.64	13.58 -0.28 -1.63	17.85 -0.41 -1.37	23.82 -0.62 -0.76	20.46 -0.53 -0.59	19.42 -0.53 -0.20	11.98 -0.28 -0.74
SITHE___MASSENA 23902	7.20 -0.19 0.00	6.09 -0.14 0.00	4.97 -0.13 0.00	4.97 -0.13 0.00	5.81 -0.15 0.00	7.30 -0.19 0.00	9.68 -0.28 0.00	9.22 -0.26 0.00	10.57 -0.29 0.00	11.45 -0.25 0.00	10.53 -0.30 0.00	4.93 -0.26 2.99	4.08 -0.24 3.26	3.27 -0.25 4.21	2.89 -0.23 3.96	2.95 -0.24 4.11	6.66 -0.29 0.00	8.68 -0.36 0.00	11.80 -0.43 0.00	16.36 -0.52 0.00	23.04 -0.64 0.00	19.88 -0.51 0.00	19.32 -0.43 0.00	11.24 -0.26 0.00
SITHE___OGDNSBRG 24021	7.21 -0.18 0.00	6.12 -0.12 0.00	4.99 -0.11 0.00	4.99 -0.11 0.00	5.84 -0.12 0.00	7.32 -0.16 0.00	9.72 -0.24 0.00	9.21 -0.27 0.00	10.53 -0.33 0.00	11.46 -0.23 0.00	10.53 -0.30 0.00	3.64 -0.34 4.20	2.67 -0.33 4.58	1.49 -0.32 5.92	1.24 -0.27 5.57	1.24 -0.28 5.78	6.54 -0.41 0.00	8.56 -0.48 0.00	11.76 -0.48 0.00	16.38 -0.51 0.00	23.09 -0.59 0.00	19.92 -0.47 0.00	19.42 -0.34 0.00	11.30 -0.21 0.00
SITHE___STERLING 23777	8.50 0.16 -0.94	7.20 0.16 -0.81	6.03 0.12 -0.81	6.01 0.12 -0.78	6.85 0.15 -0.74	8.44 0.17 -0.78	11.33 0.29 -1.08	11.08 0.25 -1.36	11.96 0.23 -0.87	12.42 0.20 -0.52	11.54 0.21 -0.51	9.38 0.15 -1.06	8.82 0.11 -1.13	9.14 0.13 -1.28	8.50 0.11 -1.31	8.81 0.14 -1.37	8.06 0.17 -0.94	10.52 0.15 -1.32	13.80 0.24 -1.32	18.41 0.40 -1.12	24.98 0.69 -0.62	21.43 0.55 -0.48	20.39 0.47 -0.16	12.41 0.30 -0.60
SLEIGHT__34_KV_TB1 80719	9.47 0.21 -1.87	8.00 0.17 -1.59	6.83 0.13 -1.60	6.79 0.14 -1.55	7.60 0.18 -1.46	9.29 0.25 -1.55	12.50 0.40 -2.15	12.53 0.38 -2.68	12.96 0.37 -1.73	13.09 0.35 -1.04	12.21 0.38 -1.00	9.77 0.33 -1.27	9.22 0.30 -1.33	9.41 0.30 -1.38	8.83 0.25 -1.50	9.16 0.28 -1.57	9.10 0.29 -1.86	11.98 0.33 -2.61	15.20 0.38 -2.59	19.58 0.51 -2.18	25.62 0.73 -1.21	21.91 0.57 -0.95	20.56 0.49 -0.31	13.02 0.32 -1.19
SOUTH CAIRO___GT 23612	23.83 0.32 -16.12	20.30 0.30 -13.76	19.15 0.24 -13.80	18.70 0.24 -13.36	18.85 0.29 -12.60	21.31 0.43 -13.39	28.93 0.44 -18.53	32.98 0.40 -23.10	26.25 0.55 -14.84	21.09 0.49 -8.90	19.77 0.37 -8.57	19.32 0.27 -10.87	19.31 0.23 -11.50	19.82 0.23 -11.87	20.23 0.23 -12.92	21.04 0.23 -13.51	23.21 0.24 -16.03	31.86 0.40 -22.42	35.07 0.62 -22.22	36.76 1.03 -18.84	35.33 1.23 -10.42	29.75 1.18 -8.17	23.51 1.07 -2.69	22.25 0.51 -10.23
SOUTH HAMPTN___IC 23720	28.60 0.82 -20.39	20.77 0.67 -13.86	21.65 0.57 -15.98	19.59 0.57 -13.92	20.27 0.66 -13.65	27.20 0.82 -18.89	30.46 1.17 -19.32	30.84 1.06 -20.31	29.60 1.36 -17.38	24.70 1.46 -11.54	25.81 1.30 -13.68	24.88 0.96 -15.74	25.04 0.92 -16.54	25.28 0.93 -16.62	25.56 0.94 -17.55	25.47 0.90 -17.27	26.98 0.86 -19.17	31.12 1.26 -20.82	35.73 1.66 -21.83	38.36 2.21 -19.26	40.46 2.82 -13.96	29.84 2.26 -7.18	28.47 2.35 -6.36	25.91 1.32 -13.08
SOUTHDOW__115KV_TB1 355954	10.21 0.18 -2.64	8.56 0.07 -2.26	7.43 0.07 -2.26	7.37 0.08 -2.19	8.14 0.11 -2.07	9.85 0.16 -2.20	13.21 0.21 -3.04	13.40 0.13 -3.79	13.36 0.05 -2.44	13.20 0.04 -1.46	12.48 0.24 -1.41	10.19 0.22 -1.79	9.73 0.25 -1.89	9.92 0.24 -1.95	9.41 0.20 -2.13	9.73 0.20 -2.22	9.82 0.24 -2.63	13.14 0.34 -3.76	16.44 0.48 -3.73	20.54 0.51 -3.15	25.82 0.40 -1.74	22.10 0.35 -1.36	20.48 0.28 -0.45	13.59 0.38 -1.71
SOUTHOLD_69_KV_BK 2 55809	28.72 0.94 -20.39	20.87 0.77 -13.86	21.73 0.65 -15.98	19.66 0.64 -13.92	20.36 0.75 -13.65	27.31 0.94 -18.89	30.62 1.33 -19.32	30.99 1.21 -20.31	29.77 1.53 -17.38	24.88 1.64 -11.54	25.96 1.45 -13.68	24.99 1.07 -15.74	25.15 1.02 -16.54	25.39 1.04 -16.62	25.69 1.06 -17.55	25.58 1.00 -17.27	27.09 0.97 -19.17	31.28 1.42 -20.82	35.84 1.77 -21.83	38.51 2.36 -19.26	40.98 3.34 -13.96	30.16 2.59 -7.18	28.76 2.65 -6.36	26.09 1.50 -13.08
SOUTHOLD___IC 23719	28.72 0.94 -20.39	20.87 0.77 -13.86	21.73 0.65 -15.98	19.66 0.64 -13.92	20.36 0.75 -13.65	27.31 0.94 -18.89	30.62 1.34 -19.32	30.99 1.21 -20.31	29.78 1.53 -17.38	24.88 1.64 -11.54	25.96 1.45 -13.68	24.99 1.07 -15.74	25.15 1.02 -16.54	25.39 1.04 -16.62	25.69 1.06 -17.55	25.58 1.00 -17.27	27.09 0.97 -19.17	31.30 1.44 -20.82	35.95 1.88 -21.83	38.66 2.52 -19.26	40.88 3.24 -13.96	30.17 2.59 -7.18	28.76 2.65 -6.36	26.09 1.50 -13.08

SPIERFLS_115KV_TB 1 80737	25.27 0.13 -17.75	21.49 0.09 -15.16	20.38 0.08 -15.20	19.89 0.08 -14.71	19.94 0.10 -13.88	22.36 0.13 -14.75	30.63 0.24 -20.43	35.18 0.21 -25.50	27.42 0.20 -16.36	21.98 0.47 -9.81	20.74 0.44 -9.46	20.50 0.33 -12.00	20.56 0.29 -12.69	21.12 0.29 -13.09	21.64 0.30 -14.26	22.51 0.30 -14.91	24.75 0.11 -17.69	33.79 0.18 -24.57	36.67 0.21 -24.23	38.05 0.41 -20.76	35.87 0.71 -11.48	30.03 0.63 -9.00	23.21 0.49 -2.96	22.97 0.20 -11.27
ST LAWRENCE____ 23600	7.15 -0.24 0.00	6.04 -0.19 0.00	4.94 -0.16 0.00	4.94 -0.16 0.00	5.77 -0.19 0.00	7.25 -0.24 0.00	9.61 -0.35 0.00	9.16 -0.31 0.00	10.51 -0.35 0.00	11.35 -0.35 0.00	10.46 -0.37 0.00	5.31 -0.29 2.58	4.50 -0.27 2.81	3.82 -0.28 3.63	3.41 -0.25 3.42	3.49 -0.27 3.55	6.65 -0.30 0.00	8.67 -0.37 0.00	11.77 -0.46 0.00	16.29 -0.59 0.00	22.90 -0.78 0.00	19.74 -0.65 0.00	19.16 -0.59 0.00	11.14 -0.37 0.00
STATE_CA_115KV_115_LB 55624	24.97 0.36 -17.22	21.24 0.30 -14.71	20.09 0.24 -14.75	19.62 0.24 -14.27	19.72 0.29 -13.47	22.16 0.36 -14.31	30.23 0.47 -19.80	34.62 0.44 -24.71	27.23 0.51 -15.86	21.73 0.53 -9.51	20.52 0.52 -9.17	20.20 0.39 -11.63	20.23 0.36 -12.29	20.77 0.36 -12.69	21.23 0.33 -13.82	22.10 0.34 -14.45	24.42 0.33 -17.14	33.27 0.42 -23.80	36.30 0.57 -23.50	37.84 0.81 -20.15	35.98 1.16 -11.14	30.15 1.02 -8.74	23.58 0.95 -2.87	22.95 0.51 -10.93
STATE_ST_34_KV_LOAD 55959	9.43 0.08 -1.95	7.96 0.06 -1.67	6.82 0.04 -1.67	6.77 0.05 -1.62	7.56 0.07 -1.53	9.21 0.10 -1.62	12.40 0.19 -2.25	12.45 0.17 -2.80	12.81 0.14 -1.81	12.90 0.12 -1.08	12.02 0.14 -1.05	9.63 0.13 -1.33	9.10 0.12 -1.40	9.28 0.12 -1.44	8.82 0.16 -1.57	9.06 0.12 -1.64	9.03 0.14 -1.94	12.00 0.23 -2.73	15.10 0.16 -2.71	19.39 0.22 -2.28	25.27 0.33 -1.26	21.63 0.24 -0.99	20.28 0.20 -0.33	12.88 0.14 -1.24
STATION 5_MISC_HYD 23604	9.31 0.04 -1.87	7.82 -0.01 -1.60	6.69 -0.01 -1.60	6.65 0.00 -1.55	7.43 0.00 -1.46	9.08 0.04 -1.55	12.14 0.03 -2.15	12.13 -0.03 -2.68	12.51 -0.08 -1.72	12.61 -0.12 -1.03	11.83 0.00 -1.00	9.47 0.02 -1.27	8.97 0.04 -1.34	9.15 0.04 -1.39	8.65 0.06 -1.51	8.93 0.04 -1.58	8.85 0.03 -1.86	11.76 0.10 -2.62	14.91 0.06 -2.61	19.05 -0.03 -2.20	24.76 -0.14 -1.22	21.16 -0.18 -0.96	19.89 -0.18 -0.31	12.71 0.01 -1.19
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	9.35 0.09 -1.87	7.87 0.04 -1.60	6.73 0.03 -1.60	6.70 0.04 -1.55	7.48 0.05 -1.47	9.15 0.10 -1.56	12.26 0.15 -2.15	12.28 0.11 -2.69	12.68 0.04 -1.78	12.77 0.00 -1.07	11.94 0.09 -1.03	9.56 0.07 -1.30	9.04 0.08 -1.38	9.22 0.07 -1.42	8.69 0.06 -1.55	9.00 0.08 -1.62	8.97 0.10 -1.92	11.85 0.11 -2.70	15.05 0.13 -2.68	19.28 0.14 -2.26	25.00 0.07 -1.25	21.41 0.04 -0.98	20.08 0.00 -0.32	12.79 0.06 -1.23
STA_56_34_KV_BUS2_REV_LBMP_B 345033	9.25 0.00 -1.86	7.77 -0.05 -1.59	6.65 -0.04 -1.59	6.61 -0.03 -1.54	7.38 -0.04 -1.45	9.02 -0.01 -1.54	12.07 -0.03 -2.13	12.07 -0.07 -2.66	12.46 -0.12 -1.72	12.58 -0.15 -1.03	11.78 -0.04 -1.00	9.42 -0.02 -1.26	8.92 0.01 -1.33	9.10 0.00 -1.38	8.60 0.02 -1.50	8.88 0.01 -1.57	8.84 0.03 -1.86	11.70 0.05 -2.62	14.84 0.01 -2.60	18.99 -0.08 -2.19	24.58 -0.31 -1.21	21.08 -0.27 -0.95	19.79 -0.28 -0.31	12.64 -0.06 -1.19
STA_56____34_KV_BUS2 355983	9.25 0.00 -1.86	7.77 -0.05 -1.59	6.65 -0.04 -1.59	6.61 -0.03 -1.54	7.38 -0.04 -1.45	9.02 -0.01 -1.54	12.07 -0.03 -2.13	12.07 -0.07 -2.66	12.46 -0.12 -1.72	12.58 -0.15 -1.03	11.78 -0.04 -1.00	9.42 -0.02 -1.26	8.92 0.01 -1.33	9.10 0.00 -1.38	8.60 0.02 -1.50	8.88 0.01 -1.57	8.84 0.03 -1.86	11.70 0.05 -2.62	14.84 0.01 -2.60	18.99 -0.08 -2.19	24.58 -0.31 -1.21	21.08 -0.27 -0.95	19.79 -0.28 -0.31	12.64 -0.06 -1.19
STA_67____115KV_BK2 355882	9.29 0.03 -1.87	7.81 -0.02 -1.60	6.68 -0.02 -1.60	6.64 -0.01 -1.55	7.41 -0.01 -1.46	9.06 0.02 -1.55	12.12 0.01 -2.15	12.11 -0.05 -2.68	12.49 -0.10 -1.73	12.60 -0.14 -1.04	11.82 -0.01 -1.00	9.46 0.01 -1.27	8.96 0.03 -1.34	9.14 0.02 -1.39	8.64 0.04 -1.51	8.92 0.04 -1.58	8.87 0.06 -1.87	11.75 0.07 -2.63	14.90 0.05 -2.61	19.04 -0.05 -2.20	24.61 -0.28 -1.22	21.12 -0.22 -0.96	19.85 -0.22 -0.31	12.69 -0.01 -1.20
STA_7____115KV_9TRANS 80674	9.33 0.07 -1.87	7.84 0.01 -1.60	6.70 0.00 -1.60	6.67 0.02 -1.55	7.44 0.02 -1.46	9.11 0.07 -1.55	12.17 0.06 -2.15	12.17 0.01 -2.68	12.56 -0.03 -1.73	12.67 -0.07 -1.04	11.89 0.05 -1.00	9.51 0.06 -1.27	8.99 0.07 -1.34	9.18 0.07 -1.39	8.68 0.09 -1.51	8.95 0.07 -1.58	8.92 0.10 -1.87	11.81 0.14 -2.64	14.97 0.12 -2.62	19.14 0.05 -2.20	24.78 -0.12 -1.22	21.27 -0.08 -0.96	19.97 -0.10 -0.31	12.75 0.05 -1.20
STA_82____115KV_TB1 80780	9.30 0.04 -1.88	7.82 -0.02 -1.60	6.69 -0.02 -1.61	6.65 -0.01 -1.56	7.43 -0.01 -1.47	9.07 0.02 -1.56	12.13 0.01 -2.16	12.13 -0.04 -2.69	12.51 -0.09 -1.74	12.61 -0.13 -1.04	11.82 -0.01 -1.01	9.46 0.01 -1.28	8.96 0.03 -1.35	9.14 0.02 -1.39	8.64 0.04 -1.51	8.92 0.04 -1.58	8.89 0.06 -1.88	11.77 0.08 -2.64	14.91 0.05 -2.62	19.05 -0.05 -2.21	24.64 -0.26 -1.22	21.13 -0.22 -0.96	19.85 -0.22 -0.32	12.70 -0.01 -1.20
STEEL____WIND 323596	9.90 0.01 -2.49	8.31 -0.06 -2.13	7.20 -0.03 -2.13	7.14 -0.03 -2.06	7.88 -0.03 -1.95	9.53 -0.03 -2.07	12.74 -0.08 -2.86	12.86 -0.18 -3.57	12.89 -0.26 -2.29	12.77 -0.30 -1.37	12.04 -0.12 -1.33	9.82 -0.05 -1.69	9.38 0.01 -1.78	9.56 -0.01 -1.84	9.10 0.01 -2.01	9.40 0.00 -2.10	9.41 -0.01 -2.48	12.57 0.05 -3.48	15.69 -0.01 -3.47	19.57 -0.24 -2.92	24.75 -0.54 -1.62	21.13 -0.53 -1.27	19.68 -0.49 -0.42	13.03 -0.06 -1.58
STEPHTWN_115KV_BK_2 55603	24.88 0.44 -17.05	21.15 0.36 -14.56	19.99 0.29 -14.60	19.52 0.29 -14.13	19.64 0.34 -13.33	22.08 0.43 -14.17	30.12 0.57 -19.59	34.45 0.53 -24.45	27.16 0.61 -15.69	21.73 0.62 -9.41	20.50 0.60 -9.07	20.13 0.44 -11.51	20.14 0.39 -12.16	20.69 0.40 -12.56	21.12 0.36 -13.68	22.00 0.39 -14.30	24.29 0.38 -16.96	33.09 0.49 -23.56	36.15 0.65 -23.27	37.76 0.93 -19.94	36.06 1.35 -11.02	30.26 1.22 -8.65	23.71 1.11 -2.84	22.92 0.59 -10.82
STEBEN_REC_LFGE 323667	10.92 0.51 -3.02	9.23 0.41 -2.58	8.02 0.33 -2.58	7.95 0.35 -2.50	8.75 0.42 -2.36	10.57 0.58 -2.51	14.30 0.87 -3.47	14.58 0.78 -4.33	14.39 0.74 -2.79	14.08 0.71 -1.67	13.17 0.73 -1.61	10.80 0.58 -2.04	10.26 0.52 -2.16	10.45 0.49 -2.23	9.92 0.41 -2.43	10.33 0.49 -2.54	10.48 0.52 -3.01	13.90 0.63 -4.23	17.27 0.84 -4.19	21.60 1.18 -3.53	27.27 1.63 -1.95	23.29 1.37 -1.53	21.46 1.21 -0.50	14.22 0.79 -1.92
STONY____BROOK 24151	28.51 0.73 -20.39	20.69 0.60 -13.86	21.58 0.51 -15.98	19.53 0.50 -13.92	20.20 0.59 -13.65	27.10 0.73 -18.89	30.32 1.04 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.69 1.18 -13.68	24.80 0.88 -15.74	24.97 0.85 -16.54	25.21 0.87 -16.62	25.47 0.84 -17.55	25.40 0.82 -17.27	26.91 0.78 -19.17	31.00 1.13 -20.82	35.52 1.46 -21.83	38.07 1.92 -19.26	40.08 2.44 -13.96	29.57 2.00 -7.18	28.23 2.11 -6.36	25.79 1.20 -13.08

STURGEON_POOL_HYD 23609	21.87 0.38 -14.09	18.60 0.33 -12.04	17.45 0.28 -12.07	17.05 0.27 -11.68	17.30 0.32 -11.02	19.60 0.40 -11.71	26.69 0.53 -16.20	30.22 0.53 -20.21	24.60 0.77 -12.97	20.33 0.85 -7.78	19.06 0.73 -7.50	18.26 0.57 -9.51	18.20 0.56 -10.06	18.69 0.58 -10.38	18.87 0.48 -11.31	19.66 0.53 -11.82	21.49 0.51 -14.02	29.55 0.63 -19.88	32.94 0.89 -19.81	34.55 1.18 -16.49	34.31 1.52 -9.11	28.71 1.16 -7.15	23.33 1.22 -2.35	21.12 0.67 -8.95
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	21.02 0.40 -13.23	17.87 0.34 -11.30	16.71 0.28 -11.33	16.34 0.27 -10.97	16.63 0.32 -10.35	18.89 0.40 -11.00	25.72 0.55 -15.21	28.99 0.54 -18.98	23.76 0.72 -12.18	19.79 0.78 -7.31	18.58 0.70 -7.04	17.65 0.54 -8.93	17.55 0.52 -9.44	18.01 0.53 -9.75	18.18 0.47 -10.62	18.91 0.50 -11.10	20.60 0.49 -13.17	28.44 0.61 -18.78	31.84 0.83 -18.78	33.46 1.10 -15.48	33.71 1.47 -8.56	28.29 1.18 -6.71	23.15 1.19 -2.21	20.56 0.66 -8.40
SWANROAD_115KV_TB1 355699	9.54 -0.15 -2.30	8.01 -0.19 -1.96	6.94 -0.13 -1.97	6.89 -0.12 -1.91	7.60 -0.17 -1.80	9.20 -0.20 -1.91	12.25 -0.36 -2.64	12.27 -0.50 -3.30	12.38 -0.61 -2.13	12.32 -0.66 -1.28	11.64 -0.42 -1.23	9.44 -0.29 -1.56	9.01 -0.22 -1.65	9.19 -0.24 -1.70	8.73 -0.21 -1.85	9.02 -0.22 -1.94	9.07 -0.17 -2.29	12.04 -0.24 -3.24	15.05 -0.40 -3.22	18.79 -0.81 -2.71	23.66 -1.52 -1.50	20.33 -1.24 -1.18	19.00 -1.15 -0.39	12.57 -0.41 -1.47
SYNERGY___BIOGAS 323694	9.51 0.24 -1.88	7.98 0.14 -1.60	6.82 0.11 -1.61	6.79 0.13 -1.56	7.59 0.15 -1.47	9.31 0.26 -1.56	12.46 0.34 -2.16	12.45 0.28 -2.69	12.83 0.24 -1.73	12.95 0.21 -1.04	12.13 0.29 -1.01	9.68 0.23 -1.28	9.16 0.23 -1.35	9.34 0.22 -1.39	8.81 0.21 -1.52	9.11 0.22 -1.59	9.01 0.19 -1.87	11.99 0.33 -2.63	15.25 0.39 -2.62	19.57 0.47 -2.21	25.57 0.66 -1.22	21.84 0.49 -0.96	20.51 0.43 -0.32	13.03 0.33 -1.19
SYRACUSE___ENERGY_ST1 323597	9.05 0.03 -1.63	7.65 0.02 -1.39	6.51 0.01 -1.40	6.47 0.02 -1.35	7.26 0.02 -1.28	8.87 0.03 -1.36	11.92 0.08 -1.88	11.88 0.07 -2.34	12.41 0.04 -1.50	12.62 0.02 -0.90	11.74 0.05 -0.86	9.54 0.07 -1.29	9.01 0.05 -1.37	9.26 0.05 -1.47	8.68 0.04 -1.56	8.99 0.06 -1.63	8.64 0.06 -1.62	11.38 0.05 -2.28	14.48 0.01 -2.24	18.77 0.00 -1.89	24.79 0.07 -1.04	21.23 0.02 -0.82	20.02 0.00 -0.27	12.57 0.02 -1.04
SYRACUSE___ENERGY_ST2 323598	9.05 0.03 -1.63	7.65 0.02 -1.39	6.51 0.01 -1.40	6.47 0.02 -1.35	7.26 0.02 -1.28	8.87 0.03 -1.36	11.92 0.08 -1.88	11.88 0.07 -2.34	12.41 0.04 -1.50	12.62 0.02 -0.90	11.74 0.05 -0.86	9.54 0.07 -1.29	9.01 0.05 -1.37	9.26 0.05 -1.47	8.68 0.04 -1.56	8.99 0.06 -1.63	8.64 0.06 -1.62	11.38 0.05 -2.28	14.48 0.01 -2.24	18.77 0.00 -1.89	24.79 0.07 -1.04	21.23 0.02 -0.82	20.02 0.00 -0.27	12.57 0.02 -1.04
SYRACUSE___POWER 24017	9.08 0.01 -1.68	7.68 0.01 -1.43	6.54 0.00 -1.44	6.50 0.01 -1.39	7.28 0.01 -1.31	8.90 0.01 -1.39	11.95 0.06 -1.93	11.93 0.05 -2.41	12.42 0.02 -1.54	12.62 0.00 -0.92	11.75 0.03 -0.89	9.56 0.05 -1.34	9.05 0.05 -1.42	9.30 0.05 -1.53	8.73 0.03 -1.62	9.04 0.05 -1.69	8.68 0.06 -1.67	11.44 0.05 -2.34	14.59 0.04 -2.32	18.88 0.03 -1.96	24.79 0.02 -1.08	21.24 0.00 -0.85	20.00 -0.04 -0.28	12.58 0.01 -1.06
TALLMAN___138KV_BK151 55660	21.48 0.44 -13.64	18.26 0.37 -11.65	17.09 0.30 -11.68	16.71 0.30 -11.31	16.99 0.35 -10.67	19.26 0.43 -11.34	26.25 0.61 -15.68	29.64 0.60 -19.57	24.21 0.79 -12.56	20.11 0.88 -7.53	18.88 0.79 -7.26	17.99 0.61 -9.21	17.91 0.58 -9.74	18.38 0.60 -10.05	18.57 0.54 -10.95	19.32 0.57 -11.45	21.08 0.55 -13.58	29.11 0.70 -19.37	32.52 0.92 -19.37	34.04 1.20 -15.96	34.14 1.63 -8.82	28.62 1.31 -6.92	23.34 1.30 -2.28	20.89 0.72 -8.66
TEALLAVE_115KV_TB7 355573	8.83 -0.01 -1.44	7.46 -0.01 -1.23	6.32 -0.02 -1.24	6.29 -0.01 -1.20	7.09 -0.01 -1.13	8.68 -0.01 -1.20	11.65 0.03 -1.66	11.55 0.01 -2.07	12.18 -0.01 -1.33	12.46 -0.04 -0.80	11.61 0.01 -0.77	9.41 0.02 -1.20	8.90 0.03 -1.28	9.14 0.02 -1.39	8.56 0.01 -1.46	8.86 0.03 -1.53	8.43 0.04 -1.43	11.08 0.03 -2.02	14.22 -0.01 -2.00	18.54 -0.03 -1.69	24.54 -0.07 -0.93	21.04 -0.08 -0.73	19.90 -0.10 -0.24	12.39 -0.03 -0.91
TELGRAPH_34_KV_EAST 80808	9.60 -0.02 -2.23	8.05 -0.09 -1.90	6.96 -0.05 -1.91	6.91 -0.04 -1.85	7.64 -0.07 -1.74	9.28 -0.06 -1.85	12.37 -0.15 -2.56	12.40 -0.27 -3.20	12.56 -0.36 -2.06	12.53 -0.41 -1.24	11.84 -0.18 -1.19	9.57 -0.12 -1.51	9.11 -0.07 -1.60	9.30 -0.08 -1.65	8.82 -0.06 -1.80	9.11 -0.07 -1.88	9.14 -0.03 -2.22	12.12 -0.06 -3.14	15.22 -0.13 -3.12	19.11 -0.41 -2.63	24.21 -0.92 -1.45	20.78 -0.75 -1.14	19.44 -0.69 -0.38	12.76 -0.17 -1.43
TEMPLE___115KV_TB 2 55572	8.85 0.00 -1.46	7.48 -0.01 -1.25	6.34 -0.01 -1.25	6.31 -0.01 -1.21	7.11 0.00 -1.14	8.70 0.00 -1.21	11.68 0.04 -1.68	11.59 0.02 -2.10	12.21 0.00 -1.35	12.48 -0.02 -0.81	11.63 0.02 -0.78	9.43 0.04 -1.21	8.91 0.04 -1.29	9.16 0.04 -1.39	8.58 0.02 -1.47	8.88 0.04 -1.54	8.46 0.06 -1.45	11.12 0.04 -2.04	14.26 0.00 -2.02	18.57 -0.02 -1.71	24.58 -0.05 -0.94	21.07 -0.06 -0.74	19.92 -0.08 -0.24	12.41 -0.02 -0.93
TIANA___69_KV_BK 1 55817	28.57 0.79 -20.39	20.74 0.65 -13.86	21.63 0.55 -15.98	19.57 0.55 -13.92	20.25 0.64 -13.65	27.17 0.79 -18.89	30.42 1.14 -19.32	30.81 1.03 -20.31	29.56 1.31 -17.38	24.67 1.43 -11.54	25.75 1.25 -13.68	24.85 0.93 -15.74	25.02 0.89 -16.54	25.26 0.91 -16.62	25.53 0.90 -17.55	25.45 0.87 -17.27	26.96 0.84 -19.17	31.07 1.20 -20.82	35.58 1.52 -21.83	38.15 2.01 -19.26	40.48 2.84 -13.96	29.76 2.18 -7.18	28.39 2.27 -6.36	25.88 1.29 -13.08
TILDEN___115KV_TB1 80814	9.08 0.01 -1.68	7.68 0.01 -1.43	6.54 0.00 -1.44	6.50 0.01 -1.39	7.28 0.01 -1.31	8.90 0.01 -1.39	11.95 0.06 -1.93	11.93 0.05 -2.41	12.42 0.02 -1.54	12.62 0.00 -0.92	11.75 0.03 -0.89	9.56 0.05 -1.34	9.05 0.05 -1.42	9.30 0.05 -1.53	8.73 0.03 -1.62	9.04 0.05 -1.69	8.68 0.06 -1.67	11.44 0.05 -2.34	14.59 0.04 -2.32	18.88 0.03 -1.96	24.79 0.02 -1.08	21.24 0.00 -0.85	20.00 -0.04 -0.28	12.58 0.01 -1.06
TRIGEN___CC 323695	28.37 0.59 -20.39	20.59 0.49 -13.86	21.49 0.41 -15.98	19.43 0.40 -13.92	20.08 0.47 -13.65	26.95 0.58 -18.89	30.09 0.81 -19.32	30.55 0.77 -20.31	29.25 1.01 -17.38	24.36 1.12 -11.54	25.52 1.01 -13.68	24.69 0.77 -15.74	24.86 0.74 -16.54	25.10 0.75 -16.62	25.33 0.70 -17.55	25.28 0.71 -17.27	26.80 0.68 -19.17	30.75 0.89 -20.82	35.20 1.14 -21.83	37.63 1.49 -19.26	39.72 2.08 -13.95	29.19 1.61 -7.18	27.80 1.68 -6.36	25.56 0.97 -13.08
TRINITY__115KV__ 4 BK 55933	24.81 0.34 -17.08	21.10 0.28 -14.58	19.95 0.23 -14.62	19.49 0.23 -14.15	19.59 0.27 -13.36	22.01 0.34 -14.19	30.02 0.44 -19.63	34.36 0.40 -24.49	27.05 0.48 -15.72	21.62 0.49 -9.43	20.39 0.48 -9.09	20.06 0.36 -11.52	20.09 0.33 -12.18	20.64 0.33 -12.58	21.09 0.30 -13.70	21.94 0.31 -14.32	24.25 0.31 -16.99	33.03 0.40 -23.59	36.06 0.53 -23.30	37.60 0.74 -19.98	35.77 1.04 -11.04	29.99 0.94 -8.66	23.47 0.87 -2.85	22.82 0.47 -10.84

UNION___PROCESSING_DRP 323587	9.30 0.04 -1.88	7.82 -0.02 -1.60	6.69 -0.02 -1.61	6.65 -0.01 -1.56	7.43 -0.01 -1.47	9.08 0.03 -1.56	12.14 0.02 -2.16	12.13 -0.04 -2.69	12.51 -0.09 -1.74	12.61 -0.13 -1.04	11.84 0.00 -1.01	9.47 0.02 -1.28	8.96 0.03 -1.35	9.15 0.03 -1.39	8.65 0.05 -1.52	8.92 0.04 -1.59	8.89 0.06 -1.88	11.78 0.09 -2.65	14.91 0.05 -2.63	19.06 -0.03 -2.21	24.64 -0.26 -1.22	21.15 -0.20 -0.96	19.87 -0.20 -0.32	12.71 0.00 -1.20
UPPER HUDSON___HYD 24058	25.27 0.13 -17.75	21.49 0.09 -15.16	20.38 0.08 -15.20	19.89 0.08 -14.71	19.94 0.10 -13.88	22.36 0.13 -14.75	30.60 0.24 -20.40	35.18 0.21 -25.50	27.39 0.20 -16.34	21.97 0.47 -9.80	20.73 0.43 -9.46	20.50 0.33 -12.00	20.56 0.29 -12.69	21.12 0.29 -13.09	21.64 0.30 -14.26	22.51 0.30 -14.91	24.74 0.10 -17.69	33.80 0.18 -24.57	36.77 0.27 -24.27	38.15 0.47 -20.79	35.89 0.71 -11.50	30.04 0.63 -9.02	23.21 0.49 -2.97	22.97 0.20 -11.27
UPPER RAQUET___HYD 24056	7.15 -0.24 0.00	6.06 -0.17 0.00	4.94 -0.16 0.00	4.95 -0.15 0.00	5.79 -0.17 0.00	7.27 -0.22 0.00	9.61 -0.35 0.00	9.48 -0.39 -0.40	10.36 -0.50 0.00	11.38 -0.32 0.00	10.44 -0.39 0.00	2.72 -0.49 4.97	1.69 -0.47 5.43	0.25 -0.47 7.01	0.10 -0.39 6.59	0.10 -0.36 6.84	6.68 -0.55 -0.28	8.74 -0.69 -0.39	11.49 -0.75 0.00	15.99 -0.90 0.00	22.64 -1.04 0.00	19.60 -0.80 0.00	19.26 -0.49 0.00	11.21 -0.30 0.00
VALLEY44_115KV_TB2 355964	10.11 -0.01 -2.73	8.50 -0.07 -2.33	7.40 -0.05 -2.34	7.33 -0.04 -2.27	8.06 -0.04 -2.14	9.71 -0.04 -2.27	13.03 -0.07 -3.14	13.24 -0.15 -3.92	13.15 -0.24 -2.52	12.93 -0.28 -1.51	12.16 -0.13 -1.46	9.96 -0.07 -1.85	9.52 -0.02 -1.96	9.72 -0.03 -2.02	9.26 -0.03 -2.20	9.57 -0.04 -2.30	9.69 0.01 -2.72	12.87 -0.01 -3.84	15.99 -0.05 -3.81	19.88 -0.22 -3.21	24.86 -0.59 -1.78	21.30 -0.49 -1.39	19.70 -0.51 -0.46	13.15 -0.10 -1.74
VALLEY___115KV_TB 1-4 80826	7.38 -0.01 0.00	6.24 0.01 0.00	5.10 0.00 0.00	5.09 -0.01 0.00	5.95 -0.01 0.00	7.46 -0.03 0.00	9.96 0.00 0.00	9.46 -0.01 0.00	10.83 -0.03 0.00	11.63 -0.07 0.00	10.74 -0.09 0.00	8.09 -0.09 0.00	7.47 -0.11 0.00	7.60 -0.12 0.00	6.96 -0.13 0.00	7.19 -0.12 0.00	6.85 -0.10 0.00	8.91 -0.13 0.00	12.16 -0.07 0.00	16.87 -0.02 0.00	23.70 0.02 0.00	20.45 0.06 0.00	19.83 0.08 0.00	11.58 0.07 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	13.25 0.29 -5.57	11.25 0.26 -4.76	10.08 0.21 -4.77	9.93 0.21 -4.62	10.57 0.25 -4.36	12.41 0.29 -4.63	16.82 0.45 -6.41	17.89 0.42 -8.00	16.46 0.47 -5.13	15.25 0.47 -3.08	14.24 0.44 -2.97	12.28 0.34 -3.77	11.86 0.30 -3.98	12.15 0.32 -4.11	11.89 0.33 -4.48	12.27 0.29 -4.68	12.79 0.29 -5.55	17.24 0.41 -7.79	20.49 0.53 -7.73	24.18 0.78 -6.52	28.35 1.07 -3.60	24.10 0.88 -2.83	21.51 0.83 -0.93	15.55 0.51 -3.54
VISCHER___FERRY HYD 24020	25.05 0.32 -17.34	21.31 0.26 -14.81	20.16 0.21 -14.85	19.69 0.21 -14.37	19.78 0.25 -13.56	22.22 0.32 -14.41	30.32 0.43 -19.94	34.75 0.39 -24.89	27.26 0.43 -15.96	21.73 0.46 -9.57	20.50 0.43 -9.24	20.23 0.34 -11.71	20.27 0.30 -12.38	20.81 0.30 -12.78	21.29 0.28 -13.92	22.15 0.29 -14.56	24.49 0.28 -17.27	33.30 0.37 -23.88	36.28 0.50 -23.54	37.89 0.71 -20.30	35.90 0.99 -11.22	30.09 0.90 -8.80	23.48 0.83 -2.89	22.94 0.43 -11.01
V_A_10_SYNC_DSASP 323832	9.46 -0.02 -2.09	7.95 -0.07 -1.78	6.84 -0.06 -1.79	6.79 -0.05 -1.73	7.54 -0.06 -1.63	9.16 -0.06 -1.74	12.23 -0.13 -2.40	12.25 -0.23 -3.00	12.50 -0.29 -1.93	12.52 -0.34 -1.16	11.80 -0.15 -1.12	9.50 -0.10 -1.42	9.04 -0.05 -1.50	9.21 -0.06 -1.55	8.74 -0.03 -1.68	9.03 -0.04 -1.76	9.04 0.00 -2.09	11.97 -0.02 -2.94	15.06 -0.10 -2.92	19.01 -0.34 -2.46	24.24 -0.81 -1.36	20.81 -0.65 -1.07	19.49 -0.61 -0.35	12.68 -0.16 -1.34
V_CMM_10_SYNC_DSASP 323787	7.17 -0.22 0.00	6.06 -0.17 0.00	4.95 -0.15 0.00	4.95 -0.15 0.00	5.79 -0.17 0.00	7.27 -0.22 0.00	9.64 -0.32 0.00	9.19 -0.28 0.00	10.54 -0.32 0.00	11.39 -0.30 0.00	10.50 -0.32 0.00	5.34 -0.26 2.58	4.53 -0.24 2.81	3.85 -0.25 3.63	3.43 -0.23 3.42	3.52 -0.24 3.55	6.67 -0.28 0.00	8.70 -0.34 0.00	11.82 -0.42 0.00	16.34 -0.54 0.00	22.99 -0.69 0.00	19.82 -0.57 0.00	19.22 -0.53 0.00	11.19 -0.32 0.00
V_CMP_10_SYNC_DSASP 323788	7.29 -0.10 0.00	6.15 -0.09 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.90 -0.06 0.00	7.43 -0.05 0.00	9.85 -0.11 0.00	9.36 -0.11 0.00	10.68 -0.18 0.00	11.55 -0.15 0.00	10.51 -0.31 0.00	5.06 -0.33 2.80	4.19 -0.34 3.05	3.40 -0.39 3.94	3.04 -0.33 3.71	3.04 -0.41 3.85	6.52 -0.42 0.00	8.63 -0.41 0.00	11.85 -0.38 0.00	16.63 -0.25 0.00	23.42 -0.26 0.00	20.29 -0.10 0.00	19.68 -0.08 0.00	11.47 -0.03 0.00
V_E_10_SYNC_DSASP 323830	12.05 0.46 -4.20	10.27 0.44 -3.59	9.05 0.35 -3.60	8.94 0.35 -3.48	9.69 0.44 -3.29	11.48 0.50 -3.49	15.64 0.85 -4.83	16.22 0.72 -6.03	15.39 0.66 -3.87	14.56 0.54 -2.32	13.56 0.49 -2.24	11.35 0.34 -2.84	10.84 0.25 -3.00	11.10 0.27 -3.10	10.74 0.28 -3.38	11.09 0.26 -3.53	11.51 0.37 -4.18	15.37 0.45 -5.88	18.82 0.75 -5.84	23.04 1.23 -4.92	28.34 1.94 -2.72	24.12 1.59 -2.13	21.90 1.44 -0.70	15.11 0.93 -2.67
V_F_30_NSYNC___DSASP 323816	25.41 0.33 -17.69	21.61 0.26 -15.11	20.46 0.21 -15.15	19.98 0.21 -14.66	20.06 0.26 -13.84	22.51 0.32 -14.70	30.77 0.47 -20.34	35.30 0.42 -25.41	27.59 0.45 -16.28	22.00 0.54 -9.77	20.77 0.51 -9.43	20.52 0.38 -11.96	20.58 0.35 -12.64	21.13 0.36 -13.05	21.64 0.34 -14.21	22.51 0.35 -14.86	24.86 0.29 -17.63	33.91 0.40 -24.47	36.93 0.54 -24.16	38.42 0.81 -20.72	36.30 1.16 -11.46	30.44 1.06 -8.99	23.64 0.93 -2.96	23.21 0.47 -11.23
V_F_30_SYNC_DSASP 323786	24.96 0.36 -17.21	21.23 0.30 -14.69	20.08 0.24 -14.73	19.61 0.24 -14.26	19.71 0.29 -13.46	22.15 0.36 -14.30	30.21 0.47 -19.79	34.60 0.44 -24.69	27.21 0.51 -15.84	21.73 0.53 -9.50	20.50 0.51 -9.16	20.19 0.39 -11.62	20.22 0.36 -12.28	20.76 0.36 -12.68	21.22 0.33 -13.81	22.08 0.34 -14.44	24.41 0.33 -17.13	33.25 0.42 -23.78	36.29 0.57 -23.48	37.83 0.81 -20.13	35.97 1.16 -11.13	30.14 1.02 -8.73	23.57 0.95 -2.87	22.94 0.51 -10.92
V_XM_10_SYNC_DSASP 323789	7.29 -0.10 0.00	6.15 -0.09 0.00	5.02 -0.08 0.00	5.04 -0.06 0.00	5.90 -0.06 0.00	7.43 -0.05 0.00	9.85 -0.11 0.00	9.36 -0.11 0.00	10.68 -0.18 0.00	11.55 -0.15 0.00	10.51 -0.31 0.00	5.06 -0.33 2.80	4.19 -0.34 3.05	3.40 -0.39 3.94	3.04 -0.33 3.71	3.04 -0.41 3.85	6.52 -0.42 0.00	8.63 -0.41 0.00	11.85 -0.38 0.00	16.63 -0.25 0.00	23.42 -0.26 0.00	20.29 -0.10 0.00	19.68 -0.08 0.00	11.47 -0.03 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	21.56 0.45 -13.72	18.33 0.37 -11.72	17.16 0.31 -11.75	16.78 0.31 -11.37	17.05 0.36 -10.73	19.34 0.45 -11.40	26.35 0.62 -15.77	29.77 0.62 -19.68	24.31 0.81 -12.63	20.18 0.90 -7.58	18.94 0.80 -7.31	18.06 0.62 -9.26	17.98 0.60 -9.79	18.45 0.61 -10.11	18.65 0.55 -11.01	19.39 0.58 -11.51	21.17 0.56 -13.66	29.24 0.71 -19.49	32.66 0.94 -19.48	34.19 1.25 -16.05	34.24 1.68 -8.87	28.70 1.35 -6.96	23.39 1.34 -2.29	20.97 0.75 -8.71

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.04 0.50 -14.15	18.73 0.41 -12.09	17.56 0.34 -12.12	17.17 0.33 -11.73	17.42 0.39 -11.07	19.72 0.47 -11.76	26.93 0.70 -16.27	30.46 0.68 -20.30	24.80 0.91 -13.03	20.54 1.03 -7.81	19.32 0.95 -7.54	18.45 0.72 -9.55	18.38 0.70 -10.10	18.99 0.72 -10.55	20.91 0.65 -13.18	20.03 0.68 -12.05	21.70 0.65 -14.10	29.97 0.82 -20.11	33.40 1.06 -20.11	34.81 1.37 -16.56	34.73 1.89 -9.15	29.02 1.45 -7.18	23.58 1.46 -2.36	21.33 0.84 -8.99
W50THST__13_KV_LOAD 356117	22.08 0.53 -14.15	18.75 0.43 -12.09	17.58 0.36 -12.12	17.19 0.35 -11.73	17.45 0.42 -11.07	19.75 0.50 -11.76	26.98 0.75 -16.27	30.52 0.74 -20.30	24.88 0.99 -13.03	20.62 1.11 -7.81	19.39 1.03 -7.54	18.51 0.78 -9.55	18.44 0.75 -10.10	19.05 0.77 -10.55	20.98 0.72 -13.18	20.09 0.73 -12.05	21.75 0.70 -14.10	30.03 0.89 -20.11	33.49 1.15 -20.11	34.91 1.47 -16.56	34.87 2.04 -9.15	29.12 1.55 -7.18	23.68 1.56 -2.36	21.38 0.89 -8.99
WADING RIVER_IC_1 23522	28.52 0.74 -20.39	20.70 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.79 0.88 -15.74	24.96 0.83 -16.54	25.20 0.85 -16.62	25.47 0.84 -17.55	25.39 0.82 -17.27	26.90 0.78 -19.17	31.00 1.14 -20.82	35.55 1.49 -21.83	38.12 1.97 -19.26	40.17 2.54 -13.96	29.57 2.00 -7.18	28.25 2.13 -6.36	25.79 1.20 -13.08
WADING RIVER_IC_2 23547	28.52 0.74 -20.39	20.70 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.79 0.88 -15.74	24.96 0.83 -16.54	25.20 0.85 -16.62	25.47 0.84 -17.55	25.39 0.82 -17.27	26.90 0.78 -19.17	31.00 1.14 -20.82	35.55 1.49 -21.83	38.12 1.97 -19.26	40.17 2.54 -13.96	29.57 2.00 -7.18	28.25 2.13 -6.36	25.79 1.20 -13.08
WADING RIVER_IC_3 23601	28.52 0.74 -20.39	20.70 0.60 -13.86	21.59 0.51 -15.98	19.53 0.51 -13.92	20.21 0.60 -13.65	27.11 0.73 -18.89	30.34 1.06 -19.32	30.73 0.95 -20.31	29.47 1.23 -17.38	24.57 1.33 -11.54	25.68 1.17 -13.68	24.79 0.88 -15.74	24.96 0.83 -16.54	25.20 0.85 -16.62	25.47 0.84 -17.55	25.39 0.82 -17.27	26.90 0.78 -19.17	31.00 1.14 -20.82	35.55 1.49 -21.83	38.12 1.97 -19.26	40.17 2.54 -13.96	29.57 2.00 -7.18	28.25 2.13 -6.36	25.79 1.20 -13.08
WALDENNY_12_KV_BK2 80841	9.87 0.01 -2.47	8.29 -0.06 -2.11	7.19 -0.03 -2.11	7.13 -0.02 -2.05	7.87 -0.03 -1.93	9.51 -0.03 -2.05	12.71 -0.09 -2.84	12.83 -0.19 -3.54	12.87 -0.27 -2.28	12.75 -0.32 -1.37	12.04 -0.11 -1.32	9.80 -0.05 -1.67	9.36 0.01 -1.77	9.55 -0.01 -1.83	9.08 0.01 -1.99	9.38 0.00 -2.08	9.44 0.03 -2.46	12.57 0.04 -3.49	15.71 0.01 -3.46	19.59 -0.22 -2.92	24.63 -0.66 -1.61	21.11 -0.55 -1.27	19.66 -0.51 -0.42	13.04 -0.06 -1.59
WALDEN__HYDRO 24148	21.55 0.41 -13.74	18.33 0.36 -11.73	17.16 0.30 -11.77	16.78 0.29 -11.39	17.05 0.34 -10.75	19.36 0.45 -11.42	26.33 0.57 -15.80	29.74 0.56 -19.71	24.28 0.77 -12.65	20.12 0.83 -7.59	18.88 0.74 -7.32	18.00 0.55 -9.28	17.92 0.53 -9.81	18.39 0.54 -10.12	18.59 0.48 -11.03	19.34 0.51 -11.53	21.12 0.49 -13.68	29.17 0.65 -19.48	32.58 0.89 -19.46	34.19 1.23 -16.08	34.13 1.56 -8.89	28.65 1.29 -6.97	23.33 1.28 -2.29	20.93 0.70 -8.72
WARRENSBURG____ 23737	25.27 0.13 -17.75	21.49 0.09 -15.16	20.38 0.08 -15.20	19.89 0.08 -14.71	19.94 0.10 -13.88	22.36 0.13 -14.75	30.60 0.24 -20.40	35.18 0.21 -25.50	27.39 0.20 -16.34	21.97 0.47 -9.80	20.73 0.43 -9.46	20.50 0.33 -12.00	20.56 0.29 -12.69	21.12 0.29 -13.09	21.64 0.30 -14.26	22.51 0.30 -14.91	24.74 0.10 -17.69	33.80 0.18 -24.57	36.77 0.27 -24.27	38.15 0.47 -20.79	35.89 0.71 -11.50	30.04 0.63 -9.02	23.21 0.49 -2.97	22.97 0.20 -11.27
WATERSIDE____6 8 9 23538	22.02 0.47 -14.15	18.71 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.41 0.38 -11.07	19.68 0.43 -11.76	26.88 0.65 -16.27	30.42 0.64 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.30 0.93 -7.54	18.44 0.71 -9.55	18.37 0.68 -10.10	18.98 0.70 -10.55	21.01 0.62 -13.30	20.02 0.66 -12.06	21.68 0.63 -14.10	29.95 0.80 -20.11	33.38 1.04 -20.11	34.76 1.32 -16.56	34.66 1.82 -9.15	28.94 1.37 -7.18	23.50 1.38 -2.36	21.29 0.79 -8.99
WATKINRD_115KV_LN8_ILLION 55919	7.40 0.01 0.00	6.26 0.02 0.00	5.11 0.01 0.00	5.11 0.01 0.00	5.97 0.01 0.00	7.49 0.00 0.00	9.99 0.03 0.00	9.49 0.02 0.00	10.87 0.01 0.00	11.69 -0.01 0.00	10.81 -0.02 0.00	8.15 -0.02 0.00	7.55 -0.04 0.00	7.69 -0.04 0.00	7.04 -0.04 0.00	7.27 -0.04 0.00	6.93 -0.02 0.00	9.01 -0.04 0.00	12.23 0.00 0.00	16.94 0.05 0.00	23.78 0.09 0.00	20.50 0.10 0.00	19.83 0.08 0.00	11.58 0.07 0.00
WATSON____69_KV_BK 1 55734	28.54 0.75 -20.39	20.71 0.62 -13.86	21.59 0.52 -15.98	19.54 0.51 -13.92	20.22 0.60 -13.65	27.12 0.74 -18.89	30.35 1.07 -19.32	30.75 0.97 -20.31	29.49 1.25 -17.38	24.59 1.35 -11.54	25.70 1.19 -13.68	24.81 0.89 -15.74	24.98 0.86 -16.54	25.22 0.87 -16.62	25.47 0.84 -17.55	25.41 0.83 -17.27	26.93 0.81 -19.17	30.98 1.11 -20.82	35.51 1.44 -21.83	38.05 1.91 -19.26	40.35 2.70 -13.97	29.63 2.06 -7.18	28.29 2.17 -6.36	25.82 1.23 -13.08
WDELAWARE__HYD 323627	19.76 0.32 -12.06	16.84 0.31 -10.30	15.68 0.25 -10.32	15.34 0.24 -9.99	15.69 0.29 -9.43	17.93 0.43 -10.02	24.28 0.46 -13.86	27.22 0.45 -17.29	22.69 0.73 -11.10	19.12 0.76 -6.66	17.83 0.58 -6.42	16.75 0.43 -8.14	16.60 0.42 -8.60	17.04 0.43 -8.88	17.13 0.38 -9.67	17.81 0.39 -10.11	19.34 0.40 -12.00	26.63 0.55 -17.04	30.01 0.78 -16.99	32.12 1.13 -14.10	32.85 1.37 -7.80	27.65 1.14 -6.12	22.93 1.17 -2.01	19.77 0.61 -7.65
WEST BABYLON__IC 23714	28.51 0.72 -20.39	20.69 0.59 -13.86	21.57 0.49 -15.98	19.52 0.49 -13.92	20.19 0.57 -13.65	27.09 0.71 -18.89	30.29 1.01 -19.32	30.71 0.93 -20.31	29.44 1.19 -17.38	24.54 1.30 -11.54	25.66 1.15 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.44 0.81 -17.55	25.38 0.80 -17.27	26.90 0.78 -19.17	30.93 1.07 -20.82	35.44 1.38 -21.83	37.97 1.82 -19.26	40.22 2.58 -13.96	29.55 1.98 -7.18	28.19 2.07 -6.36	25.76 1.17 -13.08
WEST CANADA__HYD 24049	7.41 0.02 0.00	6.26 0.02 0.00	5.11 0.01 0.00	5.11 0.01 0.00	5.98 0.01 0.00	7.50 0.02 0.00	9.99 0.03 0.00	9.50 0.03 0.00	10.88 0.02 0.00	11.71 0.01 0.00	10.84 0.01 0.00	8.19 0.01 0.00	7.59 0.01 0.00	7.74 0.01 0.00	7.09 0.01 0.00	7.32 0.01 0.00	6.97 0.02 0.00	9.06 0.02 0.00	12.27 0.04 0.00	16.94 0.05 0.00	23.75 0.07 0.00	20.45 0.06 0.00	19.82 0.06 0.00	11.54 0.03 0.00
WESTERN_NY_WIND 24143	9.67 0.01 -2.27	8.12 -0.06 -1.94	7.01 -0.03 -1.94	6.96 -0.02 -1.88	7.70 -0.04 -1.77	9.35 -0.02 -1.88	12.47 -0.10 -2.61	12.50 -0.23 -3.25	12.63 -0.32 -2.09	12.58 -0.37 -1.25	11.87 -0.17 -1.21	9.61 -0.11 -1.54	9.16 -0.05 -1.62	9.35 -0.05 -1.68	8.87 -0.04 -1.83	9.16 -0.05 -1.91	9.13 -0.08 -2.26	12.18 -0.03 -3.17	15.28 -0.11 -3.16	19.18 -0.37 -2.66	24.49 -0.66 -1.47	20.92 -0.63 -1.15	19.54 -0.59 -0.38	12.83 -0.12 -1.44

WESTOVER___LESR 323668	11.98 0.16 -4.42	10.14 0.12 -3.78	8.99 0.10 -3.79	8.88 0.11 -3.67	9.56 0.13 -3.46	11.33 0.16 -3.68	15.30 0.25 -5.09	16.02 0.20 -6.35	15.14 0.21 -4.08	14.33 0.19 -2.45	13.40 0.22 -2.36	11.35 0.18 -2.99	10.92 0.17 -3.16	11.17 0.18 -3.26	10.79 0.16 -3.55	11.19 0.18 -3.72	11.55 0.19 -4.41	15.44 0.22 -6.18	18.64 0.27 -6.13	22.39 0.34 -5.17	26.92 0.38 -2.86	22.96 0.33 -2.24	20.79 0.30 -0.74	14.54 0.23 -2.81
WETHRSFD_WT_PWR 323626	10.19 0.01 -2.79	8.58 -0.04 -2.39	7.46 -0.03 -2.39	7.40 -0.02 -2.32	8.12 -0.03 -2.19	9.78 -0.03 -2.32	13.10 -0.07 -3.21	13.31 -0.17 -4.01	13.19 -0.24 -2.57	12.95 -0.29 -1.54	12.20 -0.12 -1.49	10.01 -0.06 -1.89	9.58 -0.01 -2.00	9.77 -0.02 -2.06	9.33 0.00 -2.25	9.65 -0.01 -2.35	9.72 -0.01 -2.78	12.98 0.04 -3.91	16.10 -0.02 -3.89	19.94 -0.22 -3.28	25.02 -0.47 -1.81	21.37 -0.45 -1.42	19.79 -0.43 -0.47	13.22 -0.06 -1.77
WHAVSTOR_138KV_BK127 55557	21.56 0.44 -13.74	18.33 0.36 -11.73	17.17 0.30 -11.76	16.79 0.30 -11.39	17.05 0.35 -10.75	19.33 0.43 -11.42	26.35 0.60 -15.79	29.77 0.59 -19.71	24.28 0.77 -12.65	20.15 0.87 -7.58	18.93 0.79 -7.31	18.05 0.60 -9.27	17.97 0.58 -9.80	18.44 0.60 -10.12	18.64 0.53 -11.02	19.39 0.56 -11.53	21.16 0.54 -13.67	29.24 0.69 -19.51	32.64 0.91 -19.51	34.14 1.18 -16.07	34.17 1.61 -8.88	28.63 1.26 -6.97	23.33 1.28 -2.29	20.95 0.72 -8.72
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	21.56 0.44 -13.74	18.33 0.36 -11.73	17.17 0.30 -11.76	16.79 0.30 -11.39	17.05 0.35 -10.75	19.33 0.43 -11.42	26.35 0.60 -15.79	29.77 0.59 -19.71	24.28 0.77 -12.65	20.15 0.87 -7.58	18.93 0.79 -7.31	18.05 0.60 -9.27	17.97 0.58 -9.80	18.44 0.60 -10.12	18.64 0.53 -11.02	19.39 0.56 -11.53	21.16 0.54 -13.67	29.24 0.69 -19.51	32.64 0.91 -19.51	34.14 1.18 -16.07	34.17 1.61 -8.88	28.63 1.26 -6.97	23.33 1.28 -2.29	20.95 0.72 -8.72
WHITEHAL_115KV_TB1 80871	25.40 0.29 -17.72	21.58 0.21 -15.14	20.45 0.17 -15.18	19.97 0.17 -14.69	20.04 0.21 -13.86	22.49 0.28 -14.73	30.83 0.47 -20.41	35.35 0.42 -25.46	27.60 0.40 -16.34	22.13 0.63 -9.80	20.87 0.60 -9.45	20.59 0.43 -11.98	20.63 0.38 -12.67	21.19 0.39 -13.08	21.74 0.41 -14.24	22.60 0.40 -14.89	24.84 0.23 -17.66	33.95 0.38 -24.53	36.89 0.46 -24.19	38.43 0.81 -20.73	36.47 1.33 -11.46	30.55 1.16 -8.99	23.64 0.93 -2.96	23.19 0.43 -11.25
WHITEPLN_13_KV_LOAD 356215	22.06 0.54 -14.13	18.73 0.42 -12.07	17.55 0.35 -12.10	17.15 0.34 -11.71	17.42 0.40 -11.05	19.71 0.48 -11.74	26.94 0.74 -16.24	30.49 0.75 -20.27	24.77 0.90 -13.01	20.51 1.01 -7.80	19.27 0.92 -7.52	18.41 0.70 -9.54	18.36 0.69 -10.09	18.85 0.71 -10.41	19.04 0.62 -11.34	19.83 0.67 -11.85	21.66 0.65 -14.06	29.90 0.79 -20.07	33.41 1.10 -20.07	34.82 1.40 -16.53	34.76 1.94 -9.14	29.07 1.51 -7.17	23.61 1.50 -2.36	21.32 0.84 -8.97
WM_FLOYD_69_KV_BK2 356380	28.51 0.72 -20.39	20.69 0.59 -13.86	21.58 0.51 -15.98	19.53 0.50 -13.92	20.20 0.59 -13.65	27.10 0.73 -18.89	30.33 1.05 -19.32	30.72 0.94 -20.31	29.46 1.22 -17.38	24.56 1.32 -11.54	25.66 1.15 -13.68	24.79 0.87 -15.74	24.95 0.83 -16.54	25.19 0.84 -16.62	25.45 0.82 -17.55	25.39 0.81 -17.27	26.90 0.78 -19.17	30.95 1.08 -20.82	35.44 1.38 -21.83	37.97 1.82 -19.26	40.24 2.60 -13.96	29.55 1.98 -7.18	28.21 2.09 -6.36	25.78 1.19 -13.08
WOODARD__115KV_TB2 355635	8.82 -0.03 -1.46	7.45 -0.03 -1.25	6.33 -0.03 -1.25	6.29 -0.03 -1.21	7.08 -0.02 -1.14	8.68 -0.02 -1.22	11.64 0.00 -1.68	11.55 -0.02 -2.10	12.16 -0.04 -1.35	12.44 -0.07 -0.81	11.59 -0.02 -0.78	9.39 0.00 -1.21	8.88 0.01 -1.29	9.12 0.00 -1.39	8.55 -0.01 -1.47	8.84 0.01 -1.53	8.42 0.02 -1.45	11.07 -0.01 -2.04	14.22 -0.04 -2.03	18.51 -0.08 -1.71	24.48 -0.14 -0.94	21.01 -0.12 -0.74	19.84 -0.16 -0.24	12.38 -0.06 -0.93
YORK___WARBASSE 23770	22.04 0.50 -14.15	18.72 0.39 -12.09	17.55 0.33 -12.12	17.16 0.32 -11.73	17.42 0.38 -11.07	19.68 0.43 -11.76	26.90 0.67 -16.27	30.43 0.65 -20.30	24.77 0.88 -13.03	20.52 1.01 -7.81	19.31 0.94 -7.54	18.44 0.71 -9.55	18.38 0.69 -10.10	18.99 0.71 -10.55	21.01 0.63 -13.30	20.04 0.67 -12.06	21.70 0.65 -14.10	29.98 0.83 -20.11	33.43 1.09 -20.11	34.81 1.37 -16.56	34.73 1.89 -9.15	28.98 1.41 -7.18	23.52 1.40 -2.36	21.32 0.83 -8.99