

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/12/2023

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	20.26	17.70	16.40	16.03	16.35	18.08	21.63	26.84	25.42	24.26	26.01	27.28	29.97	32.39	34.24	36.78	42.75	57.17	57.01	45.83	45.14	35.30	29.06	23.68
24138	0.64	0.67	0.65	0.48	0.64	0.66	1.04	1.20	1.78	1.91	1.92	1.93	1.93	1.99	1.96	1.85	1.48	1.94	1.84	2.32	2.28	1.84	1.75	1.50
	-10.92	-8.09	-6.73	-9.04	-7.13	-8.52	-8.18	-10.99	-4.67	-3.08	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.55	-19.39	-17.83	-13.03	-8.09	-4.50
74TH STREET_GT_1	20.24	17.68	16.38	16.02	16.34	18.06	21.59	26.80	25.34	24.18	25.96	27.23	29.89	32.32	34.16	36.71	42.69	57.10	56.96	45.74	45.04	35.22	29.01	23.63
24260	0.62	0.64	0.62	0.47	0.62	0.63	1.00	1.16	1.71	1.83	1.86	1.87	1.85	1.91	1.89	1.77	1.42	1.87	1.79	2.22	2.18	1.76	1.69	1.45
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
74TH STREET_GT_2	20.24	17.68	16.38	16.02	16.34	18.06	21.59	26.80	25.34	24.18	25.96	27.23	29.89	32.32	34.16	36.71	42.69	57.10	56.96	45.74	45.04	35.22	29.01	23.63
24261	0.62	0.64	0.62	0.47	0.62	0.63	1.00	1.16	1.71	1.83	1.86	1.87	1.85	1.91	1.89	1.77	1.42	1.87	1.79	2.22	2.18	1.76	1.69	1.45
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
ADK HUDSON___FALLS	22.99	19.61	17.92	18.33	17.99	20.09	23.37	29.25	25.50	23.78	25.62	26.71	29.34	31.99	34.10	37.64	45.88	60.42	60.61	47.79	47.06	38.22	30.52	24.18
24011	0.20	0.23	0.22	0.16	0.20	0.20	0.41	0.42	0.51	0.54	0.59	0.62	0.64	0.68	0.74	0.80	0.70	0.89	0.86	1.21	1.25	0.98	0.87	0.69
	-14.09	-10.43	-8.68	-11.67	-9.20	-10.99	-10.55	-14.17	-6.03	-3.98	-5.83	-6.82	-9.44	-12.01	-13.92	-17.79	-29.72	-40.49	-41.14	-22.46	-20.77	-16.80	-10.43	-5.81
ADK RESOURCE___RCVRY	23.01	19.60	17.94	18.35	18.01	20.11	23.43	29.31	25.55	23.85	25.70	26.79	29.44	32.10	34.22	37.77	46.01	60.63	60.80	48.00	47.25	38.38	30.65	24.27
23798	0.21	0.21	0.23	0.16	0.21	0.20	0.46	0.47	0.55	0.60	0.67	0.69	0.71	0.75	0.84	0.90	0.79	1.03	0.97	1.37	1.40	1.12	0.98	0.78
	-14.10	-10.44	-8.69	-11.68	-9.21	-11.00	-10.56	-14.19	-6.03	-3.98	-5.84	-6.84	-9.46	-12.04	-13.95	-17.82	-29.76	-40.56	-41.21	-22.50	-20.80	-16.82	-10.44	-5.81
ADK S GLENS___FALLS	22.99	19.61	17.92	18.33	17.99	20.09	23.37	29.25	25.50	23.78	25.62	26.71	29.34	31.99	34.10	37.64	45.88	60.42	60.61	47.79	47.06	38.22	30.52	24.18
24028	0.20	0.23	0.22	0.16	0.20	0.20	0.41	0.42	0.51	0.54	0.59	0.62	0.64	0.68	0.74	0.80	0.70	0.89	0.86	1.21	1.25	0.98	0.87	0.69
	-14.09	-10.43	-8.68	-11.67	-9.20	-10.99	-10.55	-14.17	-6.03	-3.98	-5.83	-6.82	-9.44	-12.01	-13.92	-17.79	-29.72	-40.49	-41.14	-22.46	-20.77	-16.80	-10.43	-5.81
ADK_NYS___DAM	22.63	19.35	17.77	17.99	17.81	19.86	23.08	28.90	25.59	23.89	25.27	26.01	28.11	30.45	32.24	35.52	42.84	55.64	55.93	45.42	44.88	37.38	30.01	23.90
23527	0.43	0.41	0.42	0.31	0.40	0.42	0.56	0.66	0.85	0.81	0.73	0.69	0.67	0.71	0.70	0.69	0.57	0.70	0.71	0.97	0.98	0.84	0.79	0.65
	-13.50	-10.00	-8.32	-11.18	-8.82	-10.54	-10.11	-13.58	-5.78	-3.81	-5.36	-6.05	-8.17	-10.43	-12.10	-15.78	-26.81	-35.89	-36.61	-20.33	-18.87	-16.11	-10.00	-5.57
AIR_PRODUCTS___DRP	22.30	19.05	17.49	17.78	17.54	19.57	22.65	28.37	24.96	23.31	25.02	26.07	28.65	31.11	33.10	36.40	44.24	58.26	58.43	46.02	45.29	36.75	29.41	23.44
24190	0.11	0.12	0.15	0.10	0.14	0.14	0.14	0.15	0.23	0.23	0.23	0.23	0.27	0.21	0.23	0.21	0.19	0.21	0.19	0.29	0.28	0.22	0.19	0.19
	-13.49	-9.99	-8.32	-11.17	-8.81	-10.53	-10.10	-13.57	-5.77	-3.81	-5.61	-6.57	-9.12	-11.59	-13.43	-17.13	-28.59	-39.00	-39.63	-21.61	-19.98	-16.09	-9.99	-5.56
AKWESSNE_115KV_BK	8.50	8.73	8.80	6.34	8.37	8.70	12.05	14.33	18.47	18.73	18.71	18.75	18.75	18.73	18.88	18.54	15.06	18.58	18.24	23.59	24.44	19.92	18.74	17.22
355683	-0.20	-0.21	-0.23	-0.17	-0.21	-0.20	-0.36	-0.32	-0.49	-0.54	-0.48	-0.52	-0.52	-0.58	-0.56	-0.51	-0.40	-0.46	-0.37	-0.53	-0.60	-0.51	-0.48	-0.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	22.30	19.05	17.49	17.78	17.54	19.57	22.65	28.37	24.96	23.31	25.02	26.07	28.65	31.11	33.10	36.40	44.24	58.26	58.43	46.02	45.29	36.75	29.41	23.44
23571	0.11	0.12	0.15	0.10	0.14	0.14	0.14	0.15	0.23	0.23	0.23	0.23	0.27	0.21	0.23	0.21	0.19	0.21	0.19	0.29	0.28	0.22	0.19	0.19
	-13.49	-9.99	-8.32	-11.17	-8.81	-10.53	-10.10	-13.57	-5.77	-3.81	-5.61	-6.57	-9.12	-11.59	-13.43	-17.13	-28.59	-39.00	-39.63	-21.61	-19.98	-16.09	-9.99	-5.56
ALBANY___2	22.30	19.05	17.49	17.78	17.54	19.57	22.65	28.37	24.96	23.31	25.02	26.07	28.65	31.11	33.10	36.40	44.24	58.26	58.43	46.02	45.29	36.75	29.41	23.44
23572	0.11	0.12	0.15	0.10	0.14	0.14	0.14	0.15	0.23	0.23	0.23	0.23	0.27	0.21	0.23	0.21	0.19	0.21	0.19	0.29	0.28	0.22	0.19	0.19
	-13.49	-9.99	-8.32	-11.17	-8.81	-10.53	-10.10	-13.57	-5.77	-3.81	-5.61	-6.57	-9.12	-11.59	-13.43	-17.13	-28.59	-39.00	-39.63	-21.61	-19.98	-16.09	-9.99	-5.56
ALBANY___3	22.30	19.05	17.49	17.78	17.54	19.57	22.65	28.37	24.96	23.31	25.02	26.07	28.65	31.11	33.10	36.40	44.24	58.26	58.43	46.02	45.29	36.75	29.41	23.44
23573	0.11	0.12	0.15	0.10	0.14	0.14	0.14	0.15	0.23	0.23	0.23	0.23	0.27	0.21	0.23	0.21	0.19	0.21	0.19	0.29	0.28	0.22	0.19	0.19
	-13.49	-9.99	-8.32	-11.17	-8.81	-10.53	-10.10	-13.57	-5.77	-3.81	-5.61	-6.57	-9.12	-11.59	-13.43	-17.13	-28.59	-39.00	-39.63	-21.61	-19.98	-16.09	-9.99	-5.56

ALBANY___4 23574	22.30 0.11 -13.49	19.05 0.12 -9.99	17.49 0.15 -8.32	17.78 0.10 -11.17	17.54 0.14 -8.81	19.57 0.14 -10.53	22.65 0.14 -10.10	28.37 0.15 -13.57	24.96 0.23 -5.77	23.31 0.23 -3.81	25.02 0.23 -5.61	26.07 0.23 -6.57	28.65 0.27 -9.12	31.11 0.21 -11.59	33.10 0.23 -13.43	36.40 0.21 -17.13	44.24 0.19 -28.59	58.26 0.21 -39.00	58.43 0.19 -39.63	46.02 0.29 -21.61	45.29 0.28 -19.98	36.75 0.22 -16.09	29.41 0.19 -9.99	23.44 0.19 -5.56
ALBANY___LFGE 323615	22.51 0.18 -13.63	19.23 0.20 -10.09	17.65 0.23 -8.40	17.94 0.15 -11.28	17.69 0.21 -8.90	19.75 0.21 -10.63	22.86 0.25 -10.20	28.64 0.28 -13.71	25.19 0.40 -5.83	23.52 0.41 -3.85	25.26 0.42 -5.65	26.30 0.42 -6.61	28.86 0.44 -9.15	31.37 0.42 -11.64	33.38 0.45 -13.49	36.73 0.44 -17.23	44.60 0.36 -28.78	58.68 0.42 -39.22	58.88 0.41 -39.85	46.43 0.56 -21.75	45.70 0.55 -20.11	37.13 0.45 -16.25	29.72 0.40 -10.09	23.67 0.37 -5.62
ALCOA_PA_115KV_PL-6C 55860	8.54 -0.16 0.00	8.77 -0.17 0.00	8.82 -0.20 0.00	6.35 -0.15 0.00	8.40 -0.19 0.00	8.73 -0.17 0.00	12.09 -0.32 0.00	14.38 -0.28 0.00	18.53 -0.44 0.00	18.78 -0.48 0.00	18.78 -0.40 0.00	18.80 -0.46 0.00	18.80 -0.46 0.00	18.76 -0.54 0.00	18.90 -0.54 0.00	18.54 -0.51 0.00	15.05 -0.42 0.00	18.60 -0.44 0.00	18.28 -0.34 0.00	23.67 -0.46 0.00	24.49 -0.55 0.00	19.96 -0.47 0.00	18.78 -0.44 0.00	17.24 -0.44 0.00
ALCOA_RYNLDS___DRP 24188	8.54 -0.16 0.00	8.77 -0.17 0.00	8.82 -0.20 0.00	6.35 -0.15 0.00	8.40 -0.19 0.00	8.73 -0.17 0.00	12.09 -0.32 0.00	14.38 -0.28 0.00	18.53 -0.44 0.00	18.78 -0.48 0.00	18.78 -0.40 0.00	18.80 -0.46 0.00	18.80 -0.46 0.00	18.76 -0.54 0.00	18.90 -0.54 0.00	18.54 -0.51 0.00	15.05 -0.42 0.00	18.60 -0.44 0.00	18.28 -0.34 0.00	23.67 -0.46 0.00	24.49 -0.55 0.00	19.96 -0.47 0.00	18.78 -0.44 0.00	17.24 -0.44 0.00
ALCOA___DSASP 323711	8.54 -0.16 0.00	8.77 -0.17 0.00	8.82 -0.20 0.00	6.36 -0.15 0.00	8.40 -0.19 0.00	8.73 -0.17 0.00	12.11 -0.30 0.00	14.38 -0.28 0.00	18.53 -0.44 0.00	18.78 -0.48 0.00	18.78 -0.40 0.00	18.80 -0.46 0.00	18.80 -0.46 0.00	18.76 -0.54 0.00	18.90 -0.54 0.00	18.56 -0.50 0.00	15.06 -0.40 0.00	18.60 -0.44 0.00	18.28 -0.33 0.00	23.67 -0.46 0.00	24.49 -0.55 0.00	19.96 -0.47 0.00	18.78 -0.44 0.00	17.24 -0.44 0.00
ALLEGHENY___COGEN 23514	10.81 0.36 -1.76	10.60 0.36 -1.30	10.53 0.42 -1.08	8.26 0.30 -1.46	10.11 0.38 -1.15	10.64 0.37 -1.37	14.33 0.61 -1.32	16.96 0.54 -1.77	20.26 0.55 -0.75	20.30 0.54 -0.50	20.23 0.29 -0.75	20.58 0.41 -0.91	20.88 0.33 -1.29	21.33 0.39 -1.63	21.72 0.39 -1.89	21.80 0.36 -2.38	19.76 0.40 -3.89	24.82 0.40 -5.37	24.47 0.41 -5.45	27.83 0.77 -2.94	28.65 0.90 -2.71	23.32 0.80 -2.10	21.27 0.75 -1.30	19.32 0.92 -0.72
ALTAMONT_115KV_TB 2 55880	23.00 0.37 -13.93	19.65 0.38 -10.32	17.99 0.38 -8.59	18.32 0.27 -11.54	18.05 0.36 -9.10	20.14 0.36 -10.87	23.39 0.55 -10.43	29.27 0.60 -14.02	25.68 0.76 -5.96	23.97 0.77 -3.94	25.79 0.77 -5.83	26.95 0.81 -6.88	29.63 0.79 -9.57	32.34 0.87 -12.17	34.45 0.91 -14.09	37.91 0.93 -17.92	46.08 0.79 -29.83	60.83 0.99 -40.80	61.01 0.97 -41.43	47.95 1.30 -22.53	47.18 1.33 -20.82	38.13 1.08 -16.62	30.52 0.98 -10.32	24.24 0.81 -5.74
ALTONA_WT_PWR 323606	8.48 -0.22 0.00	8.70 -0.24 0.00	8.74 -0.28 0.00	6.31 -0.19 0.00	8.37 -0.21 0.00	8.73 -0.17 0.00	12.30 -0.11 0.00	14.61 -0.04 0.00	18.83 -0.13 0.00	18.98 -0.29 0.00	19.01 -0.17 0.00	19.03 -0.23 0.00	19.03 -0.23 0.00	18.96 -0.35 0.00	19.15 -0.29 0.00	18.75 -0.31 0.00	14.91 -0.56 0.00	18.51 -0.53 0.00	18.37 -0.24 0.00	23.98 -0.14 0.00	24.84 -0.20 0.00	20.21 -0.22 0.00	19.00 -0.23 0.00	17.43 -0.25 0.00
AMERICAN_REF_FUEL 24010	10.06 -0.23 -1.58	9.92 -0.20 -1.17	9.94 -0.06 -0.98	7.81 -0.01 -1.31	9.55 -0.07 -1.03	9.96 -0.18 -1.24	13.35 -0.25 -1.19	15.56 -0.69 -1.59	18.54 -1.10 -0.68	18.69 -1.02 -0.45	18.68 -1.19 -0.68	18.98 -1.10 -0.82	19.30 -1.14 -1.17	19.73 -1.06 -1.49	20.01 -1.15 -1.72	20.02 -1.20 -2.16	18.05 -0.93 -3.51	22.50 -1.39 -4.84	22.05 -1.47 -4.91	25.11 -1.66 -2.65	25.80 -1.68 -2.44	21.07 -1.25 -1.89	19.26 -1.13 -1.17	17.73 -0.60 -0.65
ARKWRIGHT___SUMMIT_WT_PWR 323751	10.60 0.12 -1.78	10.41 0.15 -1.32	10.41 0.29 -1.09	8.20 0.22 -1.47	10.00 0.26 -1.16	10.55 0.26 -1.39	14.20 0.46 -1.33	16.76 0.32 -1.79	19.86 0.13 -0.76	19.94 0.17 -0.50	19.89 -0.06 -0.76	20.26 0.08 -0.92	20.58 0.02 -1.30	21.07 0.12 -1.65	21.38 0.04 -1.90	21.42 -0.04 -2.40	19.37 -0.03 -3.93	24.25 -0.23 -5.43	23.69 -0.43 -5.51	26.83 -0.26 -2.97	27.55 -0.23 -2.74	22.39 -0.16 -2.12	20.35 -0.17 -1.30	18.62 0.21 -0.72
ARTHUR_KILL_GT_1 23520	20.31 0.69 -10.92	17.73 0.70 -8.09	16.42 0.67 -6.73	16.04 0.49 -9.05	16.37 0.65 -7.13	18.06 0.63 -8.52	21.58 0.99 -8.18	26.74 1.10 -10.99	25.27 1.63 -4.67	24.14 1.79 -3.09	25.98 1.88 -4.91	27.21 1.85 -6.09	29.73 1.70 -8.77	32.28 1.87 -11.10	34.08 1.81 -12.83	36.61 1.68 -15.87	42.57 1.31 -25.79	57.05 1.83 -36.18	56.92 1.75 -36.55	45.63 2.12 -19.39	44.91 2.05 -17.82	35.14 1.68 -13.03	29.02 1.71 -8.09	23.77 1.59 -4.50
ARTHUR_KILL_2 23512	20.28 0.66 -10.92	17.70 0.67 -8.09	16.40 0.64 -6.73	16.03 0.48 -9.05	16.35 0.63 -7.13	18.03 0.61 -8.52	21.54 0.96 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.09 1.73 -3.09	25.92 1.82 -4.91	27.17 1.81 -6.09	29.67 1.64 -8.77	32.20 1.80 -11.10	34.03 1.75 -12.83	36.53 1.60 -15.87	42.53 1.27 -25.79	56.97 1.75 -36.18	56.84 1.68 -36.55	45.54 2.03 -19.39	44.81 1.95 -17.82	35.07 1.61 -13.03	28.97 1.65 -8.09	23.72 1.54 -4.50
ARTHUR_KILL_3 23513	20.16 0.54 -10.92	17.59 0.56 -8.09	16.30 0.54 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.13	17.98 0.55 -8.52	21.48 0.89 -8.18	26.65 1.01 -10.99	25.15 1.52 -4.67	23.99 1.64 -3.09	25.75 1.65 -4.91	27.02 1.66 -6.09	29.68 1.64 -8.78	32.10 1.70 -11.10	33.93 1.65 -12.83	36.50 1.56 -15.88	42.49 1.22 -25.80	56.85 1.62 -36.19	56.72 1.54 -36.56	45.42 1.91 -19.39	44.75 1.88 -17.83	34.99 1.53 -13.03	28.81 1.50 -8.09	23.45 1.27 -4.50
ARTHUR_KILL_COGEN 323718	20.31 0.69 -10.92	17.73 0.70 -8.09	16.42 0.67 -6.73	16.04 0.49 -9.05	16.37 0.65 -7.13	18.06 0.63 -8.52	21.58 0.99 -8.18	26.74 1.10 -10.99	25.27 1.63 -4.67	24.14 1.79 -3.09	25.98 1.88 -4.91	27.21 1.85 -6.09	29.73 1.70 -8.77	32.28 1.87 -11.10	34.08 1.81 -12.83	36.61 1.68 -15.87	42.57 1.31 -25.79	57.05 1.83 -36.18	56.92 1.75 -36.55	45.63 2.12 -19.39	44.91 2.05 -17.82	35.14 1.68 -13.03	29.02 1.71 -8.09	23.77 1.59 -4.50
ASHOKAN____ 23654	20.65 0.13 -11.83	17.83 0.13 -8.76	16.43 0.12 -7.29	16.38 0.08 -9.79	16.43 0.12 -7.72	18.27 0.14 -9.23	21.45 0.19 -8.85	26.74 0.19 -11.90	24.32 0.30 -5.06	22.93 0.33 -3.34	24.57 0.31 -5.07	25.76 0.41 -6.09	29.05 1.19 -8.59	31.42 1.22 -10.90	33.34 1.28 -12.61	35.40 0.46 -15.88	42.10 0.43 -26.20	55.78 0.57 -36.17	55.87 0.60 -36.66	44.75 0.87 -19.76	44.14 0.88 -18.22	35.17 0.63 -14.11	28.48 0.50 -8.76	22.98 0.42 -4.87

ASTORIA_EAST_ENERGY_CC1 323581	20.25 0.62 -10.93	17.68 0.64 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.62 -7.14	18.03 0.61 -8.52	21.52 0.93 -8.18	26.62 0.98 -10.99	25.11 1.48 -4.66	23.96 1.62 -3.08	25.80 1.71 -4.91	27.03 1.68 -6.09	29.68 1.64 -8.78	32.16 1.76 -11.10	33.92 1.65 -12.83	36.49 1.56 -15.87	42.48 1.22 -25.79	56.90 1.66 -36.20	56.77 1.60 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.97 1.51 -13.03	28.97 1.65 -8.09	23.61 1.43 -4.50
ASTORIA_EAST_ENERGY_CC2 323582	20.25 0.62 -10.93	17.68 0.64 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.62 -7.14	18.03 0.61 -8.52	21.52 0.93 -8.18	26.62 0.98 -10.99	25.11 1.48 -4.66	23.96 1.62 -3.08	25.80 1.71 -4.91	27.03 1.68 -6.09	29.68 1.64 -8.78	32.16 1.76 -11.10	33.92 1.65 -12.83	36.49 1.56 -15.87	42.48 1.22 -25.79	56.90 1.66 -36.20	56.77 1.60 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.97 1.51 -13.03	28.97 1.65 -8.09	23.61 1.43 -4.50
ASTORIA_GT2_1 24094	20.25 0.63 -10.93	17.69 0.65 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.03 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.11 1.48 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.18 1.77 -11.10	33.94 1.67 -12.83	36.49 1.56 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.99 1.53 -13.03	28.99 1.67 -8.09	23.63 1.45 -4.50
ASTORIA_GT2_2 24095	20.25 0.63 -10.93	17.69 0.65 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.03 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.11 1.48 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.18 1.77 -11.10	33.94 1.67 -12.83	36.49 1.56 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.99 1.53 -13.03	28.99 1.67 -8.09	23.63 1.45 -4.50
ASTORIA_GT2_3 24096	20.25 0.63 -10.93	17.69 0.65 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.03 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.11 1.48 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.18 1.77 -11.10	33.94 1.67 -12.83	36.49 1.56 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.99 1.53 -13.03	28.99 1.67 -8.09	23.63 1.45 -4.50
ASTORIA_GT2_4 24097	20.25 0.63 -10.93	17.69 0.65 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.03 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.11 1.48 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.18 1.77 -11.10	33.94 1.67 -12.83	36.49 1.56 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.99 1.53 -13.03	28.99 1.67 -8.09	23.63 1.45 -4.50
ASTORIA_GT3_1 24098	20.25 0.63 -10.93	17.69 0.65 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.03 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.11 1.48 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.18 1.77 -11.10	33.94 1.67 -12.83	36.49 1.56 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.99 1.53 -13.03	28.99 1.67 -8.09	23.63 1.45 -4.

ASTORIA_GT_10 24110	20.22 0.60 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.06 1.71 -3.09	25.86 1.76 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.59 1.66 -15.88	42.58 1.31 -25.80	57.01 1.77 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.10 1.64 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
ASTORIA_GT_11 24225	20.22 0.60 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.06 1.71 -3.09	25.86 1.76 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.59 1.66 -15.88	42.58 1.31 -25.80	57.01 1.77 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.10 1.64 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
ASTORIA_GT_12 24226	20.22 0.60 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.06 1.71 -3.09	25.86 1.76 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.59 1.66 -15.88	42.58 1.31 -25.80	57.01 1.77 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.10 1.64 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
ASTORIA_GT_13 24227	20.22 0.60 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.06 1.71 -3.09	25.86 1.76 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.59 1.66 -15.88	42.58 1.31 -25.80	57.01 1.77 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.10 1.64 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
ASTORIA_GT_5 24106	20.26 0.63 -10.93	17.70 0.66 -8.10	16.41 0.65 -6.74	16.05 0.49 -9.05	16.36 0.64 -7.14	18.05 0.62 -8.52	21.56 0.97 -8.18	26.65 1.01 -10.99	25.15 1.52 -4.66	24.02 1.68 -3.08	25.84 1.75 -4.91	27.09 1.73 -6.09	29.74 1.70 -8.78	32.22 1.81 -11.10	33.98 1.71 -12.83	36.55 1.62 -15.87	42.53 1.27 -25.79	56.95 1.71 -36.20	56.83 1.66 -36.56	45.51 2.00 -19.39	44.81 1.95 -17.82	35.03 1.57 -13.03	29.02 1.71 -8.09	23.67 1.49 -4.50
ASTORIA_GT_7 24107	20.26 0.63 -10.93	17.70 0.66 -8.10	16.41 0.65 -6.74	16.05 0.49 -9.05	16.36 0.64 -7.14	18.05 0.62 -8.52	21.56 0.97 -8.18	26.65 1.01 -10.99	25.15 1.52 -4.66	24.02 1.68 -3.08	25.84 1.75 -4.91	27.09 1.73 -6.09	29.74 1.70 -8.78	32.22 1.81 -11.10	33.98 1.71 -12.83	36.55 1.62 -15.87	42.53 1.27 -25.79	56.95 1.71 -36.20	56.83 1.66 -36.56	45.51 2.00 -19.39	44.81 1.95 -17.82	35.03 1.57 -13.03	29.02 1.71 -8.09	23.67 1.49 -4.50
ASTORIA_GT_8 24108	20.26 0.63 -10.93	17.70 0.66 -8.10	16.41 0.65 -6.74	16.05 0.49 -9.05	16.36 0.64 -7.14	18.05 0.62 -8.52	21.56 0.97 -8.18	26.65 1.01 -10.99	25.15 1.52 -4.66	24.02 1.68 -3.08	25.84 1.75 -4.91	27.09 1.73 -6.09	29.74 1.70 -8.78	32.22 1.81 -11.10	33.98 1.71 -12.83	36.55 1.62 -15.87	42.53 1.27 -25.79	56.95 1.71 -36.20	56.83 1.66 -36.56	45.51 2.00 -19.39	44.81 1.95 -17.82	35.03 1.57 -13.03	29.02 1.71 -8.09	23.67 1.49 -4.50
ASTORIA___2 24149	20.25 0.63 -10.93	17.69 0.65 -8.10	16.39 0.63 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.03 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.11 1.48 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.18 1.77 -11.10	33.94 1.67 -12.83	36.49 1.56 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.74 1.88 -17.82	34.99 1.53 -13.03	28.99 1.67 -8.09	23.63 1.45 -4.50
ASTORIA___3 23516	20.22 0.60 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.06 1.71 -3.09	25.86 1.76 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.59 1.66 -15.88	42.58 1.31 -25.80	57.01 1.77 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.10 1.64 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
ASTORIA___4 23517	20.22 0.60 -10.92	17.65 0.62 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.07 1.71 -3.09	25.86 1.77 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.60 1.66 -15.88	42.59 1.33 -25.80	57.03 1.79 -36.20	56.88 1.71 -36.56	45.59 2.07 -19.39	44.87 2.00 -17.82	35.11 1.65 -13.03	28.97 1.65 -8.09	23.60 1.41 -4.50
ASTORIA___5 23518	20.22 0.60 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.06 1.71 -3.09	25.86 1.76 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.59 1.66 -15.88	42.58 1.31 -25.80	57.01 1.77 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.10 1.64 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
AST_ENERGY_2_CC3 323677	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.51 0.92 -8.18	26.68 1.04 -10.99	25.19 1.56 -4.67	24.03 1.68 -3.09	25.78 1.69 -4.91	27.05 1.70 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	33.99 1.71 -12.83	36.56 1.62 -15.88	42.55 1.28 -25.80	56.91 1.68 -36.19	56.77 1.60 -36.56	45.52 2.00 -19.39	44.84 1.98 -17.83	35.07 1.61 -13.03	28.85 1.54 -8.09	23.52 1.34 -4.50
AST_ENERGY_2_CC4 323678	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.51 0.92 -8.18	26.68 1.04 -10.99	25.19 1.56 -4.67	24.03 1.68 -3.09	25.78 1.69 -4.91	27.05 1.70 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	33.99 1.71 -12.83	36.56 1.62 -15.88	42.55 1.28 -25.80	56.91 1.68 -36.19	56.77 1.60 -36.56	45.52 2.00 -19.39	44.84 1.98 -17.83	35.07 1.61 -13.03	28.85 1.54 -8.09	23.52 1.34 -4.50
ATHENS_STG_1 23668	21.17 0.30 -12.17	18.27 0.31 -9.01	16.84 0.32 -7.50	16.82 0.23 -10.08	16.84 0.31 -7.95	18.71 0.31 -9.49	21.97 0.45 -9.11	27.41 0.51 -12.24	24.91 0.74 -5.21	23.47 0.77 -3.44	25.21 0.75 -5.28	26.43 0.77 -6.39	29.09 0.77 -9.05	31.57 0.79 -11.48	33.50 0.78 -13.28	36.45 0.74 -16.65	43.42 0.59 -27.37	57.69 0.72 -37.92	57.71 0.69 -38.40	45.64 0.89 -20.62	44.97 0.93 -19.00	35.70 0.76 -14.51	28.95 0.71 -9.01	23.33 0.64 -5.01
ATHENS_STG_2 23670	21.17 0.30 -12.17	18.27 0.31 -9.01	16.84 0.32 -7.50	16.82 0.23 -10.08	16.84 0.31 -7.95	18.71 0.31 -9.49	21.97 0.45 -9.11	27.41 0.51 -12.24	24.91 0.74 -5.21	23.47 0.77 -3.44	25.21 0.75 -5.28	26.43 0.77 -6.39	29.09 0.77 -9.05	31.57 0.79 -11.48	33.50 0.78 -13.28	36.45 0.74 -16.65	43.42 0.59 -27.37	57.69 0.72 -37.92	57.71 0.69 -38.40	45.64 0.89 -20.62	44.97 0.93 -19.00	35.70 0.76 -14.51	28.95 0.71 -9.01	23.33 0.64 -5.01

ATHENS_STG_3 23677	21.17 0.30 -12.17	18.27 0.31 -9.01	16.84 0.32 -7.50	16.82 0.23 -10.08	16.84 0.31 -7.95	18.71 0.31 -9.49	21.97 0.45 -9.11	27.41 0.51 -12.24	24.91 0.74 -5.21	23.47 0.77 -3.44	25.21 0.75 -5.28	26.43 0.77 -6.39	29.09 0.77 -9.05	31.57 0.79 -11.48	33.50 0.78 -13.28	36.45 0.74 -16.65	43.42 0.59 -27.37	57.69 0.72 -37.92	57.71 0.69 -38.40	45.64 0.89 -20.62	44.97 0.93 -19.00	35.70 0.76 -14.51	28.95 0.71 -9.01	23.33 0.64 -5.01
AUBURN____LFG 323710	10.15 0.09 -1.37	10.04 0.08 -1.01	9.96 0.09 -0.84	7.70 0.07 -1.13	9.56 0.08 -0.89	10.05 0.08 -1.07	13.73 0.30 -1.02	16.31 0.28 -1.38	20.12 0.55 -0.61	20.18 0.52 -0.40	20.29 0.50 -0.61	20.59 0.60 -0.73	20.68 0.40 -1.01	21.05 0.46 -1.28	21.39 0.47 -1.48	21.33 0.40 -1.87	18.79 0.29 -3.03	23.55 0.32 -4.18	23.13 0.28 -4.24	26.84 0.46 -2.26	27.60 0.48 -2.08	22.43 0.39 -1.61	20.53 0.31 -1.00	18.59 0.35 -0.56
BABYLON_RES_REC 323704	25.92 0.75 -16.48	19.98 0.76 -10.28	18.98 0.76 -9.20	16.11 0.56 -9.05	16.45 0.73 -7.13	18.26 0.76 -8.60	26.00 1.20 -12.39	30.72 1.38 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.69 1.90 -6.61	28.73 1.91 -7.56	30.21 1.89 -9.06	41.17 1.95 -19.91	43.77 1.89 -22.45	43.12 1.79 -22.27	53.77 1.53 -36.78	57.18 1.94 -36.19	59.95 1.90 -39.43	50.93 2.39 -24.41	46.15 2.40 -18.71	35.96 1.98 -13.55	29.24 1.92 -8.09	26.79 1.73 -7.38
BABYLON__69_KV_BK2 356345	25.98 0.81 -16.48	20.05 0.83 -10.28	19.06 0.83 -9.20	16.14 0.59 -9.05	16.50 0.78 -7.13	18.33 0.83 -8.60	26.07 1.28 -12.38	30.86 1.51 -14.69	30.89 2.10 -9.82	30.53 2.20 -9.06	27.85 2.05 -6.61	28.91 2.08 -7.56	30.39 2.06 -9.06	41.34 2.12 -19.91	43.95 2.06 -22.45	43.24 1.91 -22.27	53.90 1.65 -36.78	57.35 2.11 -36.19	60.09 2.05 -39.43	51.12 2.58 -24.41	46.35 2.60 -18.71	36.19 2.21 -13.55	29.44 2.11 -8.10	26.97 1.91 -7.38
BARON_WINDS____WT_PWR 323822	10.99 0.11 -2.18	10.70 0.13 -1.62	10.58 0.21 -1.35	8.48 0.16 -1.81	10.20 0.19 -1.43	10.78 0.17 -1.70	14.37 0.32 -1.64	17.03 0.18 -2.20	19.99 0.10 -0.93	20.06 0.17 -0.62	20.16 0.04 -0.94	20.53 0.14 -1.13	20.94 0.08 -1.60	21.53 0.19 -2.03	21.93 0.14 -2.35	22.07 0.06 -2.96	20.35 0.05 -4.84	25.63 -0.09 -6.68	25.24 -0.15 -6.77	27.77 0.00 -3.65	28.41 0.00 -3.37	23.10 0.06 -2.61	20.86 0.02 -1.61	18.86 0.28 -0.90
BARRETT_IC_1 23704	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_10 23701	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_11 23702	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_12 23703	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_2 23705	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_3 23706	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_4 23707	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_5 23708	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_6 23709	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_7 23710	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38

BARRETT_IC_8 23711	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT_IC_9 23700	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT___1 23545	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BARRETT___2 23546	25.83 0.65 -16.48	19.95 0.72 -10.28	18.94 0.71 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.22 0.71 -8.60	25.81 1.02 -12.39	30.49 1.14 -14.69	30.47 1.69 -9.82	30.08 1.75 -9.06	27.48 1.69 -6.61	28.54 1.71 -7.56	30.00 1.68 -9.06	40.96 1.74 -19.91	43.58 1.69 -22.45	42.93 1.60 -22.27	53.56 1.31 -36.78	56.91 1.68 -36.19	59.66 1.62 -39.43	50.59 2.05 -24.41	45.80 2.05 -18.71	35.69 1.72 -13.54	28.97 1.65 -8.09	26.54 1.49 -7.38
BATAVIA___115KV_TB1 55881	10.25 0.07 -1.48	10.15 0.11 -1.10	10.14 0.20 -0.91	7.90 0.16 -1.23	9.73 0.17 -0.97	10.15 0.09 -1.16	13.65 0.12 -1.11	15.94 -0.28 -1.57	19.06 -0.57 -0.67	19.24 -0.46 -0.44	19.20 -0.65 -0.67	19.53 -0.54 -0.80	19.79 -0.62 -1.14	20.23 -0.52 -1.45	20.52 -0.60 -1.68	20.52 -0.65 -2.11	18.49 -0.43 -3.46	23.02 -0.57 -4.55	22.52 -0.71 -4.61	25.94 -0.65 -2.47	26.69 -0.63 -2.28	21.81 -0.39 -1.76	20.03 -0.29 -1.10	18.34 0.05 -0.61
BAYONEEC___CTG1 323682	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG10 323750	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG2 323683	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG3 323684	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG4 323685	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG5 323686	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG6 323687	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG7 323688	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG8 323689	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50
BAYONEEC___CTG9 323749	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.89 1.58 -8.09	23.52 1.34 -4.50

BEACON___LESR 323632	22.41 0.23 -13.48	19.17 0.25 -9.98	17.62 0.29 -8.31	17.86 0.19 -11.16	17.65 0.26 -8.80	19.68 0.27 -10.51	22.85 0.35 -10.09	28.59 0.38 -13.56	25.24 0.51 -5.77	23.59 0.52 -3.81	25.30 0.52 -5.59	26.33 0.52 -6.55	28.91 0.58 -9.07	31.38 0.54 -11.53	33.37 0.56 -13.36	36.69 0.57 -17.06	44.42 0.46 -28.49	58.43 0.55 -38.84	58.60 0.52 -39.46	46.38 0.72 -21.53	45.68 0.73 -19.91	37.10 0.59 -16.08	29.73 0.52 -9.98	23.73 0.49 -5.55
BEAVER RIVER___HYD 24048	9.09 -0.03 -0.43	9.21 -0.04 -0.32	9.20 -0.08 -0.26	6.79 -0.07 -0.35	8.78 -0.09 -0.28	9.15 -0.08 -0.33	12.59 -0.14 -0.32	14.95 -0.13 -0.43	18.92 -0.23 -0.18	19.10 -0.29 -0.12	19.04 -0.33 -0.18	19.20 -0.29 -0.22	19.26 -0.31 -0.31	19.25 -0.44 -0.39	19.58 -0.31 -0.45	19.30 -0.32 -0.57	16.11 -0.29 -0.94	20.23 -0.11 -1.30	19.84 -0.09 -1.32	24.84 0.00 -0.71	25.72 0.03 -0.66	20.90 -0.04 -0.51	19.44 -0.11 -0.33	17.74 -0.12 -0.18
BEEBEE_GT_13 23619	10.02 0.02 -1.31	9.95 0.04 -0.97	9.93 0.10 -0.81	7.66 0.07 -1.08	9.51 0.07 -0.85	9.94 0.02 -1.02	13.44 0.05 -0.98	15.86 -0.10 -1.31	19.29 -0.23 -0.56	19.48 -0.15 -0.37	19.48 -0.27 -0.56	19.78 -0.15 -0.67	20.05 -0.17 -0.96	20.38 -0.14 -1.21	20.73 -0.12 -1.40	20.62 -0.21 -1.77	18.24 -0.11 -2.89	22.68 -0.36 -4.00	22.21 -0.47 -4.06	25.84 -0.46 -2.17	26.62 -0.43 -2.00	21.72 -0.27 -1.55	20.00 -0.19 -0.96	18.25 0.04 -0.54
BENSHRST_27_KV_BENSHRST_1 355998	20.29 0.67 -10.92	17.70 0.67 -8.09	16.41 0.66 -6.73	16.04 0.49 -9.05	16.36 0.64 -7.13	18.06 0.64 -8.52	21.62 1.03 -8.18	26.81 1.17 -10.99	25.38 1.74 -4.67	24.26 1.91 -3.09	26.07 1.98 -4.91	27.30 1.95 -6.09	29.95 1.91 -8.78	32.43 2.03 -11.10	34.26 1.98 -12.83	36.79 1.85 -15.88	42.73 1.47 -25.80	57.28 2.04 -36.20	57.13 1.95 -36.56	45.88 2.36 -19.39	45.17 2.30 -17.82	35.34 1.88 -13.03	29.14 1.83 -8.09	23.75 1.57 -4.50
BETHLEHEM___GRP 23843	22.30 0.11 -13.49	19.05 0.12 -9.99	17.49 0.15 -8.32	17.78 0.10 -11.17	17.54 0.14 -8.81	19.57 0.14 -10.53	22.65 0.14 -10.10	28.37 0.15 -13.57	24.96 0.23 -5.77	23.31 0.23 -3.81	25.02 0.23 -5.61	26.07 0.23 -6.57	28.65 0.27 -9.12	31.11 0.21 -11.59	33.10 0.23 -13.43	36.40 0.21 -17.13	44.24 0.19 -28.59	58.26 0.21 -39.00	58.43 0.19 -39.63	46.02 0.29 -21.61	45.29 0.28 -19.98	36.75 0.22 -16.09	29.41 0.19 -9.99	23.44 0.19 -5.56
BETHLEHEM___GS1 323560	22.30 0.11 -13.49	19.05 0.12 -9.99	17.49 0.15 -8.32	17.77 0.09 -11.17	17.53 0.14 -8.81	19.57 0.14 -10.53	22.65 0.14 -10.10	28.37 0.15 -13.57	24.96 0.23 -5.77	23.31 0.23 -3.81	25.02 0.23 -5.61	26.07 0.23 -6.57	28.65 0.27 -9.12	31.11 0.21 -11.59	33.10 0.23 -13.43	36.40 0.21 -17.13	44.23 0.17 -28.59	58.26 0.21 -39.01	58.43 0.19 -39.63	46.02 0.29 -21.61	45.29 0.28 -19.98	36.75 0.23 -16.09	29.41 0.19 -9.99	23.44 0.19 -5.56
BETHLEHEM___GS2 323561	22.30 0.11 -13.49	19.05 0.12 -9.99	17.49 0.15 -8.32	17.77 0.09 -11.17	17.53 0.14 -8.81	19.57 0.14 -10.53	22.65 0.14 -10.10	28.37 0.15 -13.57	24.96 0.23 -5.77	23.31 0.23 -3.81	25.02 0.23 -5.61	26.07 0.23 -6.57	28.65 0.27 -9.12	31.11 0.21 -11.59	33.10 0.23 -13.43	36.40 0.21 -17.13	44.23 0.17 -28.59	58.26 0.21 -39.01	58.43 0.19 -39.63	46.02 0.29 -21.61	45.29 0.28 -19.98	36.75 0.23 -16.09	29.41 0.19 -9.99	23.44 0.19 -5.56
BETHLEHEM___GS3 323562	22.30 0.11 -13.49	19.05 0.12 -9.99	17.49 0.15 -8.32	17.77 0.09 -11.17	17.53 0.14 -8.81	19.57 0.14 -10.53	22.65 0.14 -10.10	28.37 0.15 -13.57	24.96 0.23 -5.77	23.31 0.23 -3.81	25.02 0.23 -5.61	26.07 0.23 -6.57	28.65 0.27 -9.12	31.11 0.21 -11.59	33.10 0.23 -13.43	36.40 0.21 -17.13	44.23 0.17 -28.59	58.26 0.21 -39.01	58.43 0.19 -39.63	46.02 0.29 -21.61	45.29 0.28 -19.98	36.75 0.23 -16.09	29.41 0.19 -9.99	23.44 0.19 -5.56
BETHLEHEM___STEEL 23779	10.36 -0.03 -1.69	10.20 0.00 -1.25	10.18 0.12 -1.04	8.01 0.10 -1.40	9.79 0.09 -1.11	10.26 0.04 -1.32	13.78 0.10 -1.27	16.18 -0.19 -1.71	19.20 -0.49 -0.73	19.38 -0.37 -0.48	19.36 -0.56 -0.73	19.70 -0.44 -0.88	20.02 -0.50 -1.25	20.51 -0.39 -1.59	20.83 -0.45 -1.84	20.88 -0.50 -2.31	18.87 -0.39 -3.79	23.52 -0.72 -5.21	23.04 -0.86 -5.28	26.09 -0.87 -2.83	26.77 -0.88 -2.61	21.84 -0.61 -2.02	19.96 -0.52 -1.25	18.25 -0.12 -0.70
BETHLHEM_115KV_TB1 79974	22.32 0.14 -13.49	19.07 0.14 -9.99	17.51 0.18 -8.31	17.79 0.12 -11.17	17.55 0.15 -8.81	19.58 0.16 -10.52	22.68 0.17 -10.10	28.41 0.19 -13.57	25.02 0.28 -5.77	23.38 0.31 -3.81	25.11 0.31 -5.61	26.16 0.31 -6.59	28.74 0.33 -9.14	31.20 0.27 -11.63	33.20 0.29 -13.47	36.52 0.29 -17.17	44.34 0.23 -28.64	58.40 0.27 -39.10	58.59 0.26 -39.71	46.13 0.36 -21.64	45.40 0.35 -20.01	36.80 0.29 -16.09	29.48 0.27 -9.99	23.50 0.27 -5.56
BETHPAGE_CC_5 323564	25.90 0.73 -16.48	19.98 0.76 -10.28	18.97 0.75 -9.20	16.10 0.55 -9.05	16.44 0.72 -7.13	18.25 0.75 -8.60	25.94 1.14 -12.39	30.67 1.32 -14.69	30.66 1.88 -9.82	30.31 1.98 -9.06	27.62 1.82 -6.61	28.67 1.85 -7.56	30.14 1.81 -9.06	41.03 1.81 -19.91	43.66 1.77 -22.45	43.01 1.68 -22.27	53.65 1.41 -36.78	57.03 1.79 -36.19	59.78 1.73 -39.43	50.71 2.17 -24.41	45.93 2.18 -18.71	35.77 1.80 -13.54	29.12 1.81 -8.09	26.68 1.63 -7.38
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	10.36 -0.07 -1.73	10.20 -0.03 -1.28	10.17 0.08 -1.07	8.03 0.08 -1.44	9.78 0.06 -1.13	10.26 0.01 -1.35	13.78 0.07 -1.30	16.20 -0.21 -1.75	19.20 -0.51 -0.75	19.37 -0.39 -0.49	19.36 -0.58 -0.75	19.70 -0.46 -0.90	20.02 -0.52 -1.28	20.52 -0.41 -1.62	20.85 -0.47 -1.87	20.90 -0.51 -2.36	18.93 -0.40 -3.87	23.59 -0.76 -5.31	23.10 -0.89 -5.38	26.09 -0.92 -2.89	26.80 -0.90 -2.66	21.84 -0.65 -2.06	19.93 -0.58 -1.28	18.22 -0.18 -0.71
BINGHAMTON___COGEN 23790	11.91 0.14 -3.07	11.37 0.15 -2.27	11.09 0.17 -1.89	9.18 0.13 -2.54	10.75 0.16 -2.01	11.45 0.15 -2.39	14.98 0.27 -2.30	17.98 0.23 -3.09	20.54 0.27 -1.31	20.44 0.31 -0.87	20.74 0.23 -1.32	21.14 0.29 -1.58	21.77 0.27 -2.23	22.49 0.35 -2.83	23.05 0.33 -3.28	23.45 0.27 -4.13	22.46 0.20 -6.80	28.61 0.19 -9.38	28.27 0.15 -9.51	29.53 0.29 -5.11	30.08 0.33 -4.72	24.37 0.29 -3.65	21.74 0.25 -2.27	19.28 0.34 -1.26
BIXINCNT_115KV_LOAD 355685	10.52 -0.03 -1.85	10.32 0.01 -1.37	10.27 0.11 -1.14	8.14 0.10 -1.53	9.88 0.09 -1.21	10.41 0.07 -1.44	13.97 0.17 -1.38	16.51 -0.01 -1.87	19.47 -0.28 -0.79	19.63 -0.15 -0.52	19.63 -0.35 -0.79	19.98 -0.23 -0.95	20.30 -0.31 -1.34	20.83 -0.17 -1.70	21.14 -0.27 -1.97	21.19 -0.34 -2.48	19.25 -0.28 -4.06	24.00 -0.63 -5.59	23.51 -0.76 -5.66	26.41 -0.75 -3.04	27.09 -0.75 -2.80	22.05 -0.55 -2.17	20.07 -0.50 -1.35	18.29 -0.14 -0.75
BLACK RIVER___HYD 24047	9.32 0.03 -0.60	9.42 0.03 -0.44	9.38 -0.02 -0.37	6.97 -0.03 -0.50	8.94 -0.03 -0.39	9.34 -0.04 -0.47	12.81 -0.05 -0.45	15.22 -0.04 -0.60	19.07 -0.15 -0.26	19.24 -0.19 -0.17	19.18 -0.27 -0.26	19.38 -0.19 -0.31	19.49 -0.21 -0.43	19.55 -0.31 -0.55	19.87 -0.21 -0.64	19.61 -0.25 -0.80	16.58 -0.22 -1.33	20.90 0.02 -1.84	20.50 0.02 -1.86	25.35 0.22 -1.00	26.29 0.32 -0.93	21.33 0.18 -0.72	19.71 0.04 -0.45	17.97 0.04 -0.25

BLACKRVR_115KV_TB2 79977	9.32 0.03 -0.60	9.42 0.03 -0.44	9.38 -0.02 -0.37	6.97 -0.03 -0.50	8.94 -0.03 -0.39	9.34 -0.04 -0.47	12.81 -0.05 -0.45	15.22 -0.04 -0.60	19.07 -0.15 -0.26	19.24 -0.19 -0.17	19.18 -0.27 -0.26	19.38 -0.19 -0.31	19.49 -0.21 -0.43	19.55 -0.31 -0.55	19.86 -0.21 -0.64	19.61 -0.25 -0.80	16.58 -0.22 -1.33	20.90 0.02 -1.83	20.49 0.02 -1.86	25.35 0.22 -1.01	26.30 0.33 -0.93	21.34 0.18 -0.72	19.73 0.06 -0.45	17.97 0.04 -0.25
BLISS_WT_PWR 323608	10.51 -0.03 -1.85	10.30 -0.01 -1.37	10.27 0.11 -1.14	8.13 0.10 -1.53	9.87 0.08 -1.21	10.41 0.07 -1.44	13.97 0.17 -1.38	16.51 0.00 -1.86	19.51 -0.25 -0.79	19.67 -0.11 -0.52	19.65 -0.33 -0.79	20.01 -0.21 -0.95	20.34 -0.27 -1.34	20.85 -0.16 -1.70	21.18 -0.23 -1.97	21.21 -0.32 -2.48	19.28 -0.28 -4.09	24.08 -0.61 -5.65	23.58 -0.76 -5.73	26.46 -0.75 -3.09	27.16 -0.73 -2.85	22.08 -0.55 -2.20	20.03 -0.54 -1.35	18.27 -0.16 -0.75
BLUE_CIRC_CHEM_DRP 24182	22.16 0.23 -13.23	18.99 0.25 -9.80	17.45 0.27 -8.15	17.65 0.19 -10.96	17.48 0.25 -8.64	19.47 0.25 -10.32	22.64 0.32 -9.91	28.32 0.35 -13.31	25.08 0.46 -5.66	23.47 0.46 -3.74	25.20 0.46 -5.55	26.29 0.46 -6.56	28.90 0.48 -9.15	31.30 0.37 -11.63	33.30 0.39 -13.47	36.57 0.40 -17.11	44.23 0.32 -28.44	58.37 0.38 -38.95	58.51 0.35 -39.54	46.13 0.53 -21.48	45.43 0.55 -19.84	36.66 0.45 -15.78	29.45 0.42 -9.80	23.61 0.48 -5.45
BOC_GAS_DRP 24189	22.36 0.22 -13.45	19.13 0.22 -9.96	17.55 0.23 -8.29	17.81 0.17 -11.14	17.59 0.22 -8.78	19.63 0.23 -10.49	22.78 0.30 -10.07	28.51 0.32 -13.53	25.19 0.47 -5.75	23.55 0.48 -3.80	25.31 0.48 -5.65	26.42 0.48 -6.68	29.07 0.50 -9.31	31.57 0.44 -11.83	33.58 0.45 -13.69	36.87 0.42 -17.40	44.72 0.34 -28.92	59.05 0.40 -39.61	59.19 0.37 -40.20	46.47 0.51 -21.84	45.76 0.55 -20.17	36.92 0.45 -16.04	29.61 0.42 -9.96	23.63 0.41 -5.54
BOONVILLE_115KV_TB1 79983	9.21 0.16 -0.35	9.36 0.16 -0.26	9.38 0.14 -0.22	6.88 0.08 -0.29	8.93 0.12 -0.23	9.31 0.13 -0.27	12.82 0.15 -0.26	15.21 0.21 -0.35	19.36 0.25 -0.15	19.58 0.21 -0.10	19.51 0.17 -0.15	19.66 0.21 -0.18	19.73 0.21 -0.25	19.78 0.15 -0.32	20.05 0.23 -0.37	19.72 0.19 -0.47	16.36 0.12 -0.78	20.44 0.32 -1.07	20.00 0.30 -1.09	25.18 0.41 -0.64	26.08 0.45 -0.59	21.22 0.33 -0.46	19.76 0.25 -0.28	18.05 0.21 -0.16
BORALEX_4TH_BRANCH 23824	22.63 0.43 -13.50	19.35 0.41 -10.00	17.77 0.42 -8.32	17.99 0.31 -11.18	17.81 0.40 -8.82	19.86 0.42 -10.54	23.08 0.56 -10.11	28.90 0.66 -13.58	25.59 0.85 -5.78	23.89 0.81 -3.81	25.27 0.73 -5.36	26.01 0.69 -6.05	28.11 0.67 -8.17	30.45 0.71 -10.43	32.24 0.70 -12.10	35.52 0.69 -15.78	42.84 0.57 -26.81	55.64 0.70 -35.89	55.93 0.71 -36.61	45.42 0.97 -20.33	44.88 0.98 -18.87	37.38 0.84 -16.11	30.01 0.79 -10.00	23.90 0.65 -5.57
BOWLINE___1 23526	19.24 0.51 -10.03	16.90 0.53 -7.43	15.72 0.51 -6.18	15.20 0.38 -8.31	15.64 0.51 -6.55	17.25 0.53 -7.83	20.73 0.81 -7.51	25.67 0.92 -10.09	24.60 1.35 -4.29	23.54 1.45 -2.83	25.12 1.44 -4.50	26.30 1.46 -5.57	28.73 1.45 -8.02	30.97 1.52 -10.14	32.65 1.48 -11.73	34.94 1.35 -14.52	40.18 1.10 -23.62	53.47 1.33 -33.10	53.32 1.27 -33.44	43.50 1.62 -17.75	42.97 1.60 -16.32	33.74 1.35 -11.96	27.98 1.33 -7.43	22.98 1.17 -4.13
BOWLINE___2 23595	19.24 0.51 -10.03	16.90 0.53 -7.43	15.72 0.51 -6.18	15.20 0.38 -8.31	15.64 0.51 -6.55	17.25 0.53 -7.83	20.73 0.81 -7.51	25.67 0.92 -10.09	24.60 1.35 -4.29	23.54 1.45 -2.83	25.12 1.44 -4.50	26.30 1.46 -5.57	28.73 1.45 -8.02	30.97 1.52 -10.15	32.67 1.50 -11.73	34.96 1.37 -14.52	40.20 1.11 -23.62	53.51 1.37 -33.10	53.36 1.30 -33.44	43.52 1.64 -17.76	42.99 1.63 -16.32	33.77 1.37 -11.97	27.98 1.33 -7.43	23.00 1.18 -4.13
BRADY___115KV_TB2 356060	8.55 -0.15 0.00	8.78 -0.16 0.00	8.82 -0.20 0.00	6.35 -0.16 0.00	8.40 -0.19 0.00	8.73 -0.17 0.00	12.09 -0.32 0.00	14.41 -0.25 0.00	18.55 -0.42 0.00	18.78 -0.48 0.00	18.77 -0.42 0.00	18.78 -0.48 0.00	18.80 -0.46 0.00	18.73 -0.58 0.00	18.90 -0.54 0.00	18.52 -0.53 0.00	15.03 -0.43 0.00	18.64 -0.40 0.00	18.32 -0.30 0.00	23.74 -0.39 0.00	24.59 -0.45 0.00	20.02 -0.41 0.00	18.82 -0.40 0.00	17.26 -0.42 0.00
BRANSCOMB___SOLAR 323811	22.97 0.29 -13.98	19.59 0.29 -10.35	17.95 0.31 -8.62	18.30 0.22 -11.58	18.00 0.28 -9.13	20.09 0.28 -10.91	23.35 0.47 -10.47	29.22 0.50 -14.06	25.55 0.61 -5.98	23.81 0.60 -3.95	25.57 0.61 -5.77	26.60 0.62 -6.72	29.18 0.63 -9.28	31.79 0.68 -11.81	33.85 0.72 -13.69	37.32 0.74 -17.52	45.42 0.63 -29.32	59.72 0.80 -39.88	59.94 0.78 -40.54	47.40 1.11 -22.17	46.70 1.15 -20.51	38.07 0.96 -16.68	30.45 0.87 -10.35	24.17 0.73 -5.76
BRENTWOD_69_KV_W. BRTWOOD 56703	25.93 0.76 -16.48	19.99 0.77 -10.28	18.99 0.77 -9.20	16.10 0.55 -9.05	16.44 0.72 -7.13	18.27 0.77 -8.60	26.00 1.20 -12.38	30.77 1.42 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.69 1.90 -6.61	28.73 1.91 -7.56	30.21 1.89 -9.06	41.17 1.95 -19.91	43.75 1.87 -22.45	42.95 1.62 -22.27	53.65 1.41 -36.78	57.04 1.81 -36.19	59.79 1.75 -39.43	50.73 2.20 -24.41	45.95 2.20 -18.71	36.03 2.02 -13.57	29.27 1.92 -8.12	26.83 1.77 -7.38
BRISTLHL_115KV_TB1 79998	9.50 -0.16 -0.95	9.49 -0.16 -0.71	9.46 -0.15 -0.59	7.18 -0.12 -0.79	9.05 -0.16 -0.62	9.48 -0.17 -0.74	12.94 -0.19 -0.71	15.34 -0.28 -0.96	18.99 -0.38 -0.41	19.15 -0.39 -0.27	19.19 -0.40 -0.41	19.39 -0.37 -0.49	19.61 -0.35 -0.69	19.87 -0.31 -0.87	20.14 -0.31 -1.01	19.99 -0.34 -1.27	17.30 -0.28 -2.11	21.60 -0.36 -2.92	21.20 -0.37 -2.96	25.29 -0.41 -1.57	26.09 -0.40 -1.45	21.23 -0.33 -1.12	19.60 -0.33 -0.70	17.82 -0.25 -0.39
BROOKHAVEN___DRP 24191	25.90 0.72 -16.48	19.97 0.75 -10.28	18.96 0.74 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.23 0.73 -8.60	25.94 1.14 -12.38	30.74 1.39 -14.69	30.68 1.90 -9.82	30.33 2.00 -9.06	27.66 1.86 -6.61	28.69 1.87 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.83 1.94 -22.45	43.14 1.81 -22.27	53.85 1.61 -36.78	57.29 2.06 -36.19	60.05 2.01 -39.43	51.04 2.51 -24.41	46.27 2.53 -18.71	36.02 2.04 -13.54	29.30 1.98 -8.09	26.81 1.75 -7.38
BROOKLYN_NAVY_YARD 23515	20.18 0.57 -10.92	17.62 0.59 -8.09	16.32 0.57 -6.73	15.98 0.43 -9.05	16.28 0.56 -7.13	18.00 0.58 -8.52	21.53 0.94 -8.18	26.73 1.08 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.95 1.71 -36.19	56.81 1.64 -36.56	45.57 2.05 -19.39	44.87 2.00 -17.83	35.10 1.64 -13.03	28.91 1.59 -8.09	23.54 1.36 -4.50
BROOKLYN___ARMY_DRP 323595	20.25 0.63 -10.92	17.67 0.64 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.76 1.11 -10.99	25.29 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.67 1.41 -25.80	57.16 1.92 -36.20	57.03 1.86 -36.56	45.74 2.22 -19.39	45.02 2.15 -17.82	35.24 1.78 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50



BROOKVLE_69_KV_TB1 55790	25.87 0.70 -16.48	19.94 0.72 -10.28	18.94 0.71 -9.20	16.06 0.51 -9.05	16.40 0.68 -7.13	18.22 0.71 -8.60	25.90 1.10 -12.38	30.62 1.27 -14.69	30.60 1.82 -9.82	30.26 1.93 -9.06	27.71 1.92 -6.61	28.79 1.97 -7.56	30.27 1.95 -9.06	41.25 2.03 -19.91	43.87 1.98 -22.45	43.24 1.91 -22.27	53.82 1.58 -36.78	57.21 1.98 -36.19	59.94 1.90 -39.43	50.92 2.39 -24.41	46.12 2.38 -18.71	35.91 1.94 -13.54	29.16 1.85 -8.09	26.69 1.63 -7.38
BROOME_2_LFGE 323671	11.91 0.14 -3.07	11.37 0.15 -2.27	11.09 0.17 -1.89	9.17 0.12 -2.54	10.75 0.16 -2.00	11.45 0.15 -2.39	14.98 0.27 -2.30	17.98 0.23 -3.09	20.54 0.27 -1.31	20.44 0.31 -0.87	20.75 0.25 -1.32	21.14 0.29 -1.58	21.77 0.27 -2.23	22.49 0.35 -2.83	23.03 0.31 -3.28	23.46 0.27 -4.13	22.47 0.20 -6.80	28.62 0.19 -9.39	28.28 0.15 -9.52	29.54 0.29 -5.13	30.09 0.32 -4.73	24.38 0.29 -3.66	21.74 0.25 -2.27	19.28 0.34 -1.26
BROOME__LFGE 323600	11.91 0.14 -3.07	11.37 0.15 -2.27	11.09 0.17 -1.89	9.17 0.12 -2.54	10.75 0.16 -2.00	11.45 0.15 -2.39	14.98 0.27 -2.30	17.98 0.23 -3.09	20.54 0.27 -1.31	20.44 0.31 -0.87	20.75 0.25 -1.32	21.14 0.29 -1.58	21.77 0.27 -2.23	22.49 0.35 -2.83	23.03 0.31 -3.28	23.46 0.27 -4.13	22.47 0.20 -6.80	28.62 0.19 -9.39	28.28 0.15 -9.52	29.54 0.29 -5.13	30.09 0.32 -4.73	24.38 0.29 -3.66	21.74 0.25 -2.27	19.28 0.34 -1.26
BROWNFLS_115KV_TB_3_5 80003	8.76 -0.23 -0.30	8.92 -0.25 -0.22	8.92 -0.29 -0.19	6.53 -0.22 -0.25	8.50 -0.28 -0.20	8.86 -0.28 -0.24	12.21 -0.42 -0.23	14.55 -0.41 -0.30	18.48 -0.61 -0.13	18.68 -0.67 -0.09	18.64 -0.67 -0.13	18.75 -0.67 -0.16	18.81 -0.67 -0.22	18.77 -0.81 -0.28	19.04 -0.72 -0.32	18.73 -0.72 -0.40	15.52 -0.60 -0.66	19.42 -0.53 -0.91	19.08 -0.47 -0.92	24.11 -0.53 -0.52	24.97 -0.55 -0.48	20.29 -0.51 -0.37	18.90 -0.56 -0.23	17.28 -0.53 -0.13
BROWNSV1_27_KV_LOAD 356125	20.25 0.63 -10.92	17.67 0.64 -8.09	16.39 0.64 -6.73	16.02 0.47 -9.04	16.35 0.63 -7.13	18.06 0.64 -8.52	21.62 1.03 -8.18	26.83 1.19 -10.99	25.38 1.74 -4.67	24.22 1.87 -3.09	25.98 1.88 -4.91	27.25 1.89 -6.09	29.93 1.89 -8.78	32.36 1.95 -11.10	34.20 1.92 -12.83	36.75 1.81 -15.88	42.72 1.45 -25.80	57.15 1.92 -36.19	57.01 1.84 -36.55	45.81 2.29 -19.39	45.12 2.25 -17.82	35.28 1.82 -13.03	29.06 1.75 -8.09	23.68 1.50 -4.50
BURROWS__LYONSDAL 23803	9.19 0.12 -0.37	9.33 0.12 -0.27	9.34 0.09 -0.23	6.86 0.05 -0.30	8.90 0.08 -0.24	9.28 0.09 -0.29	12.77 0.09 -0.27	15.15 0.13 -0.37	19.25 0.13 -0.16	19.48 0.12 -0.10	19.40 0.06 -0.16	19.55 0.10 -0.19	19.63 0.10 -0.26	19.64 0.00 -0.34	19.95 0.12 -0.39	19.62 0.08 -0.49	16.30 0.03 -0.81	20.39 0.23 -1.12	19.95 0.20 -1.13	25.12 0.34 -0.66	26.02 0.38 -0.61	21.17 0.27 -0.47	19.69 0.17 -0.29	17.98 0.14 -0.16
CAITHNESS_CC_1 323624	25.93 0.76 -16.48	19.99 0.77 -10.28	18.98 0.76 -9.20	16.11 0.56 -9.05	16.45 0.73 -7.13	18.26 0.76 -8.60	26.01 1.22 -12.39	30.78 1.44 -14.69	30.70 1.91 -9.82	30.35 2.02 -9.06	27.66 1.86 -6.61	28.71 1.89 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.81 1.93 -22.45	43.14 1.81 -22.27	53.82 1.58 -36.78	57.25 2.02 -36.19	60.02 1.97 -39.43	51.02 2.49 -24.41	46.25 2.50 -18.71	35.98 2.00 -13.55	29.26 1.94 -8.09	26.81 1.75 -7.38
CALPINE BETH_PAGE_GT4 24209	25.90 0.73 -16.48	19.97 0.75 -10.28	18.97 0.75 -9.20	16.09 0.54 -9.05	16.42 0.70 -7.13	18.25 0.75 -8.60	25.93 1.13 -12.38	30.65 1.30 -14.69	30.64 1.86 -9.82	30.26 1.93 -9.06	27.64 1.84 -6.61	28.69 1.87 -7.56	30.16 1.83 -9.06	41.03 1.81 -19.91	43.66 1.77 -22.45	43.01 1.68 -22.27	53.65 1.41 -36.78	57.04 1.81 -36.19	59.77 1.73 -39.43	50.71 2.17 -24.41	45.92 2.18 -18.71	35.75 1.78 -13.54	29.14 1.83 -8.09	26.70 1.64 -7.38
CALPINE_BETH_PAGE_GT_4 323586	25.90 0.73 -16.48	19.98 0.76 -10.28	18.97 0.75 -9.20	16.10 0.55 -9.05	16.44 0.72 -7.13	18.25 0.75 -8.60	25.93 1.13 -12.39	30.65 1.30 -14.69	30.64 1.86 -9.82	30.27 1.94 -9.06	27.64 1.84 -6.61	28.69 1.87 -7.56	30.16 1.83 -9.06	41.03 1.81 -19.91	43.66 1.77 -22.45	42.99 1.66 -22.27	53.65 1.41 -36.78	57.03 1.79 -36.19	59.78 1.73 -39.43	50.71 2.17 -24.41	45.93 2.18 -18.71	35.77 1.80 -13.54	29.12 1.81 -8.09	26.70 1.64 -7.38
CALPINE_BP_GT1 23823	25.90 0.73 -16.48	19.98 0.76 -10.28	18.97 0.75 -9.20	16.10 0.55 -9.05	16.44 0.72 -7.13	18.25 0.75 -8.60	25.93 1.13 -12.39	30.65 1.30 -14.69	30.64 1.86 -9.82	30.27 1.94 -9.06	27.64 1.84 -6.61	28.69 1.87 -7.56	30.16 1.83 -9.06	41.03 1.81 -19.91	43.66 1.77 -22.45	42.99 1.66 -22.27	53.65 1.41 -36.78	57.03 1.79 -36.19	59.78 1.73 -39.43	50.71 2.17 -24.41	45.93 2.18 -18.71	35.77 1.80 -13.54	29.12 1.81 -8.09	26.70 1.64 -7.38
CALSPAN__DRP 24200	10.36 -0.03 -1.69	10.20 0.00 -1.25	10.18 0.12 -1.04	8.01 0.10 -1.40	9.79 0.09 -1.11	10.26 0.04 -1.32	13.78 0.10 -1.27	16.18 -0.19 -1.71	19.20 -0.49 -0.73	19.38 -0.37 -0.48	19.36 -0.56 -0.73	19.70 -0.44 -0.88	20.02 -0.50 -1.25	20.51 -0.39 -1.59	20.83 -0.45 -1.84	20.88 -0.50 -2.31	18.87 -0.39 -3.79	23.52 -0.72 -5.21	23.04 -0.86 -5.28	26.09 -0.87 -2.83	26.77 -0.88 -2.61	21.84 -0.61 -2.02	19.96 -0.52 -1.25	18.25 -0.12 -0.70
CALVERTON__SOLAR 323806	25.93 0.76 -16.48	19.99 0.77 -10.28	18.98 0.76 -9.20	16.11 0.56 -9.05	16.46 0.74 -7.13	18.26 0.76 -8.60	26.01 1.22 -12.39	30.81 1.47 -14.69	30.70 1.91 -9.82	30.35 2.02 -9.06	27.68 1.88 -6.61	28.73 1.91 -7.56	30.23 1.91 -9.06	41.23 2.01 -19.91	43.87 1.98 -22.45	43.20 1.87 -22.27	53.88 1.64 -36.78	57.35 2.11 -36.19	60.09 2.05 -39.43	51.14 2.61 -24.41	46.38 2.63 -18.71	36.06 2.09 -13.55	29.34 2.02 -8.09	26.84 1.78 -7.38
CANDIGU_WT_PWR 323617	10.99 0.11 -2.18	10.70 0.13 -1.62	10.58 0.21 -1.35	8.48 0.16 -1.81	10.20 0.19 -1.43	10.78 0.17 -1.70	14.37 0.32 -1.64	17.03 0.18 -2.20	19.99 0.10 -0.93	20.06 0.17 -0.62	20.16 0.04 -0.94	20.53 0.14 -1.13	20.94 0.08 -1.60	21.53 0.19 -2.03	21.93 0.14 -2.35	22.07 0.06 -2.96	20.35 0.05 -4.84	25.63 -0.09 -6.68	25.24 -0.15 -6.77	27.77 0.00 -3.65	28.41 0.00 -3.37	23.10 0.06 -2.61	20.86 0.02 -1.61	18.86 0.28 -0.90
CARR STREET_E_SYR 24060	9.70 -0.05 -1.05	9.67 -0.05 -0.78	9.63 -0.04 -0.65	7.34 -0.03 -0.87	9.22 -0.05 -0.69	9.67 -0.05 -0.82	13.17 -0.02 -0.79	15.61 -0.10 -1.06	19.26 -0.15 -0.45	19.43 -0.13 -0.30	19.48 -0.15 -0.45	19.69 -0.11 -0.54	19.91 -0.11 -0.76	20.19 -0.08 -0.96	20.48 -0.08 -1.12	20.35 -0.11 -1.41	17.70 -0.09 -2.33	22.13 -0.13 -3.22	21.71 -0.17 -3.26	25.72 -0.17 -1.76	26.51 -0.15 -1.62	21.57 -0.12 -1.26	19.83 -0.15 -0.76	18.03 -0.07 -0.42
CARTHAGE__PAPER 23857	9.21 -0.02 -0.53	9.31 -0.03 -0.39	9.28 -0.07 -0.33	6.88 -0.07 -0.44	8.86 -0.08 -0.35	9.25 -0.07 -0.42	12.71 -0.10 -0.40	15.09 -0.10 -0.54	18.98 -0.21 -0.23	19.13 -0.29 -0.15	19.07 -0.34 -0.23	19.25 -0.29 -0.27	19.34 -0.31 -0.39	19.35 -0.44 -0.49	19.70 -0.31 -0.57	19.45 -0.32 -0.71	16.37 -0.28 -1.18	20.60 -0.08 -1.63	20.21 -0.06 -1.65	25.09 0.07 -0.89	25.99 0.13 -0.82	21.11 0.04 -0.64	19.55 -0.08 -0.40	17.82 -0.09 -0.22

CASSADAGA_WT_PWR 323784	10.68 0.18 -1.80	10.48 0.21 -1.33	10.47 0.34 -1.11	8.25 0.26 -1.49	10.08 0.32 -1.17	10.65 0.35 -1.40	14.33 0.57 -1.34	16.94 0.48 -1.81	20.05 0.32 -0.77	20.20 0.42 -0.51	20.15 0.19 -0.77	20.50 0.31 -0.93	20.81 0.23 -1.31	21.33 0.37 -1.66	21.64 0.27 -1.92	21.67 0.19 -2.42	19.57 0.12 -3.98	24.50 -0.04 -5.49	23.94 -0.24 -5.57	27.12 0.00 -3.00	27.86 0.05 -2.77	22.62 0.04 -2.14	20.54 0.00 -1.31	18.77 0.35 -0.73
CE_DUNWOOD___DRP 24194	20.15 0.54 -10.91	17.57 0.55 -8.08	16.29 0.54 -6.72	15.94 0.40 -9.03	16.24 0.53 -7.13	17.97 0.55 -8.51	21.44 0.86 -8.17	26.61 0.98 -10.97	25.09 1.46 -4.67	23.89 1.54 -3.08	25.64 1.55 -4.90	26.93 1.58 -6.09	29.60 1.56 -8.77	32.03 1.64 -11.09	33.87 1.61 -12.82	36.44 1.52 -15.86	42.47 1.24 -25.77	56.75 1.56 -36.15	56.64 1.51 -36.51	45.38 1.88 -19.37	44.70 1.85 -17.80	34.96 1.51 -13.01	28.75 1.44 -8.08	23.43 1.26 -4.50
CE_MILLWOOD___DRP 24193	20.07 0.52 -10.85	17.52 0.54 -8.04	16.24 0.53 -6.69	15.89 0.40 -8.99	16.19 0.52 -7.09	17.90 0.53 -8.47	21.37 0.83 -8.13	26.52 0.95 -10.92	25.01 1.40 -4.64	23.83 1.50 -3.07	25.56 1.50 -4.88	26.86 1.54 -6.05	29.51 1.52 -8.72	31.92 1.58 -11.03	33.76 1.57 -12.75	36.32 1.49 -15.77	42.30 1.21 -25.63	56.51 1.52 -35.95	56.38 1.45 -36.31	45.20 1.81 -19.26	44.55 1.80 -17.71	34.85 1.47 -12.94	28.67 1.40 -8.04	23.37 1.22 -4.47
CE_NYC2_DRP 24202	20.22 0.60 -10.92	17.65 0.62 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.71 1.07 -10.99	25.23 1.59 -4.67	24.08 1.73 -3.09	25.88 1.78 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.24 1.83 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.61 1.35 -25.80	57.05 1.81 -36.20	56.90 1.73 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.82	35.13 1.68 -13.03	28.97 1.65 -8.09	23.60 1.41 -4.50
CE_NYC_DRP 24195	20.20 0.58 -10.92	17.63 0.60 -8.09	16.35 0.60 -6.73	15.99 0.44 -9.04	16.30 0.58 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.86 1.77 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.22 1.81 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.61 1.35 -25.80	57.00 1.77 -36.19	56.86 1.69 -36.55	45.61 2.10 -19.39	44.92 2.05 -17.82	35.13 1.68 -13.03	28.93 1.61 -8.09	23.56 1.38 -4.50
CHAFFEE___LFGE 323603	10.39 -0.08 -1.77	10.20 -0.06 -1.31	10.18 0.06 -1.09	8.04 0.07 -1.47	9.79 0.04 -1.16	10.29 0.00 -1.38	13.80 0.06 -1.33	16.22 -0.22 -1.79	19.19 -0.53 -0.76	19.38 -0.39 -0.50	19.37 -0.58 -0.76	19.72 -0.46 -0.91	20.04 -0.52 -1.30	20.53 -0.42 -1.65	20.86 -0.49 -1.90	20.90 -0.55 -2.40	18.96 -0.43 -3.93	23.69 -0.78 -5.43	23.21 -0.91 -5.50	26.15 -0.94 -2.96	26.85 -0.93 -2.73	21.85 -0.69 -2.12	19.89 -0.63 -1.30	18.21 -0.19 -0.72
CHATEAUG_35_KV_LOAD 355732	8.36 -0.34 0.00	8.57 -0.38 0.00	8.61 -0.42 0.00	6.20 -0.31 0.00	8.22 -0.37 0.00	8.56 -0.35 0.00	11.96 -0.45 0.00	14.24 -0.41 0.00	18.39 -0.57 0.00	18.55 -0.71 0.00	18.57 -0.61 0.00	18.55 -0.71 0.00	18.57 -0.69 0.00	18.49 -0.81 0.00	18.66 -0.78 0.00	18.30 -0.76 0.00	14.83 -0.63 0.00	18.43 -0.61 0.00	18.30 -0.32 0.00	23.86 -0.27 0.00	24.71 -0.33 0.00	20.08 -0.35 0.00	18.90 -0.33 0.00	17.34 -0.34 0.00
CHATEAUG_WT_PWR 323614	8.37 -0.33 0.00	8.59 -0.36 0.00	8.63 -0.40 0.00	6.22 -0.29 0.00	8.24 -0.34 0.00	8.58 -0.32 0.00	12.05 -0.36 0.00	14.30 -0.35 0.00	18.45 -0.51 0.00	18.61 -0.66 0.00	18.63 -0.56 0.00	18.63 -0.64 0.00	18.65 -0.62 0.00	18.59 -0.71 0.00	18.74 -0.70 0.00	18.37 -0.69 0.00	14.84 -0.62 0.00	18.41 -0.63 0.00	18.28 -0.33 0.00	23.86 -0.26 0.00	24.71 -0.33 0.00	20.10 -0.33 0.00	18.92 -0.31 0.00	17.36 -0.32 0.00
CHAT_HIGH_FALL_HYD 323578	8.36 -0.34 0.00	8.57 -0.38 0.00	8.61 -0.41 0.00	6.20 -0.31 0.00	8.22 -0.37 0.00	8.55 -0.35 0.00	12.00 -0.41 0.00	14.24 -0.41 0.00	18.39 -0.57 0.00	18.55 -0.71 0.00	18.57 -0.61 0.00	18.55 -0.71 0.00	18.57 -0.69 0.00	18.49 -0.81 0.00	18.66 -0.78 0.00	18.31 -0.74 0.00	14.84 -0.62 0.00	18.43 -0.61 0.00	18.30 -0.32 0.00	23.86 -0.26 0.00	24.71 -0.33 0.00	20.08 -0.35 0.00	18.90 -0.33 0.00	17.34 -0.34 0.00
CHAUTAUQUA___LFGE 323629	10.54 0.11 -1.73	10.37 0.14 -1.28	10.36 0.27 -1.07	8.15 0.21 -1.43	9.96 0.24 -1.13	10.48 0.23 -1.35	14.13 0.42 -1.30	16.63 0.23 -1.74	19.74 0.04 -0.74	19.77 0.02 -0.49	19.74 -0.19 -0.74	20.08 -0.08 -0.89	20.40 -0.13 -1.27	20.89 -0.02 -1.61	21.21 -0.10 -1.86	21.23 -0.17 -2.34	19.17 -0.12 -3.84	23.97 -0.36 -5.29	23.44 -0.54 -5.37	26.58 -0.43 -2.89	27.31 -0.40 -2.67	22.21 -0.29 -2.06	20.23 -0.27 -1.27	18.53 0.14 -0.71
CHERRYST_13_KV_LD 356241	20.23 0.61 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.04	16.33 0.61 -7.13	18.05 0.62 -8.52	21.58 0.99 -8.18	26.78 1.14 -10.99	25.32 1.69 -4.67	24.16 1.81 -3.09	25.94 1.84 -4.91	27.21 1.85 -6.09	29.87 1.83 -8.78	32.30 1.89 -11.10	34.14 1.87 -12.83	36.69 1.75 -15.88	42.67 1.41 -25.80	57.08 1.85 -36.19	56.94 1.77 -36.55	45.69 2.17 -19.39	44.99 2.13 -17.82	35.19 1.74 -13.03	28.99 1.67 -8.09	23.61 1.43 -4.50
CHESTROR_138KV_BK263 355645	18.75 0.47 -9.58	16.53 0.48 -7.10	15.41 0.48 -5.91	14.80 0.35 -7.94	15.31 0.46 -6.26	16.86 0.48 -7.48	20.33 0.74 -7.18	25.15 0.85 -9.65	24.30 1.23 -4.10	23.26 1.29 -2.71	24.77 1.29 -4.29	25.89 1.31 -5.32	28.23 1.31 -7.65	30.35 1.37 -9.68	31.99 1.36 -11.19	34.19 1.28 -13.86	39.06 1.05 -22.54	51.92 1.29 -31.58	51.76 1.23 -31.91	42.64 1.57 -16.95	42.20 1.58 -15.58	33.17 1.31 -11.44	27.58 1.25 -7.10	22.73 1.10 -3.95
CH_MIDHUDSON___DRP 24192	20.15 0.50 -10.95	17.57 0.52 -8.11	16.29 0.51 -6.75	15.96 0.38 -9.07	16.24 0.50 -7.15	17.96 0.52 -8.54	21.39 0.78 -8.20	26.57 0.89 -11.02	24.94 1.29 -4.69	23.73 1.37 -3.09	25.41 1.36 -4.86	26.63 1.39 -5.98	29.24 1.41 -8.57	31.61 1.47 -10.84	33.44 1.46 -12.54	36.03 1.39 -15.58	42.03 1.14 -25.42	55.98 1.43 -35.51	55.88 1.36 -35.90	44.99 1.74 -19.12	44.36 1.73 -17.59	34.90 1.41 -13.06	28.68 1.35 -8.11	23.36 1.17 -4.51
CH_MISC_IPPS 23765	19.97 0.56 -10.71	17.46 0.58 -7.93	16.19 0.56 -6.60	15.79 0.42 -8.87	16.12 0.54 -7.00	17.83 0.57 -8.36	21.29 0.86 -8.02	26.41 0.98 -10.78	24.97 1.42 -4.58	23.80 1.50 -3.03	25.46 1.50 -4.77	26.68 1.52 -5.89	29.28 1.56 -8.45	31.62 1.62 -10.69	33.44 1.63 -12.36	35.97 1.56 -15.35	41.75 1.28 -25.00	55.59 1.58 -34.97	55.49 1.53 -35.34	44.88 1.95 -18.81	44.31 1.98 -17.30	34.81 1.59 -12.78	28.66 1.50 -7.93	23.42 1.33 -4.41
CH_RES_BVR_FALLS 23983	8.41 -0.29 0.00	8.65 -0.29 0.00	8.73 -0.29 0.00	6.30 -0.20 0.00	8.34 -0.24 0.00	8.67 -0.23 0.00	12.08 -0.33 0.00	14.30 -0.35 0.00	18.49 -0.47 0.00	18.78 -0.48 0.00	18.75 -0.44 0.00	18.78 -0.48 0.00	18.78 -0.48 0.00	18.76 -0.54 0.00	18.92 -0.52 0.00	18.56 -0.50 0.00	15.08 -0.39 0.00	18.60 -0.44 0.00	18.24 -0.37 0.00	23.59 -0.53 0.00	24.41 -0.63 0.00	19.88 -0.55 0.00	18.73 -0.50 0.00	17.24 -0.44 0.00

CH_RES_NIAGARA 23895	10.02 -0.26 -1.58	9.88 -0.23 -1.17	9.90 -0.10 -0.97	7.76 -0.05 -1.31	9.50 -0.11 -1.03	9.92 -0.21 -1.23	13.33 -0.26 -1.18	15.53 -0.72 -1.59	18.50 -1.14 -0.68	18.65 -1.06 -0.45	18.64 -1.23 -0.68	18.94 -1.14 -0.81	19.25 -1.18 -1.16	19.70 -1.08 -1.48	19.96 -1.19 -1.71	19.97 -1.24 -2.15	18.00 -0.96 -3.50	22.42 -1.45 -4.83	21.98 -1.53 -4.89	24.98 -1.78 -2.64	25.67 -1.80 -2.43	20.99 -1.33 -1.88	19.22 -1.17 -1.17	17.69 -0.64 -0.65
CH_RES_SYRACUSE 23985	9.84 0.00 -1.15	9.79 0.00 -0.85	9.73 0.00 -0.71	7.45 0.00 -0.95	9.33 0.00 -0.75	9.79 -0.01 -0.89	13.31 0.04 -0.86	15.79 -0.01 -1.15	19.40 -0.06 -0.49	19.55 -0.04 -0.32	19.60 -0.08 -0.49	19.84 -0.02 -0.59	20.07 -0.02 -0.82	20.36 0.02 -1.04	20.66 0.02 -1.20	20.55 -0.02 -1.51	17.99 -0.02 -2.54	22.53 -0.02 -3.50	22.11 -0.06 -3.55	26.04 0.00 -1.91	26.80 0.00 -1.77	21.80 0.00 -1.37	20.02 -0.04 -0.84	18.16 0.02 -0.46
CLINTON_WT_PWR 323605	8.37 -0.33 0.00	8.59 -0.36 0.00	8.63 -0.40 0.00	6.22 -0.29 0.00	8.24 -0.34 0.00	8.58 -0.32 0.00	12.05 -0.36 0.00	14.30 -0.35 0.00	18.45 -0.51 0.00	18.61 -0.66 0.00	18.63 -0.56 0.00	18.63 -0.64 0.00	18.65 -0.62 0.00	18.59 -0.71 0.00	18.74 -0.70 0.00	18.37 -0.69 0.00	14.84 -0.62 0.00	18.41 -0.63 0.00	18.28 -0.33 0.00	23.86 -0.26 0.00	24.71 -0.33 0.00	20.10 -0.33 0.00	18.92 -0.31 0.00	17.36 -0.32 0.00
CLINTON___LFGE 323618	8.49 -0.21 0.00	8.71 -0.23 0.00	8.75 -0.27 0.00	6.31 -0.19 0.00	8.37 -0.21 0.00	8.73 -0.17 0.00	12.30 -0.11 0.00	14.61 -0.04 0.00	18.83 -0.13 0.00	18.98 -0.29 0.00	19.01 -0.17 0.00	19.01 -0.25 0.00	19.01 -0.25 0.00	18.92 -0.39 0.00	19.13 -0.31 0.00	18.75 -0.31 0.00	15.01 -0.45 0.00	18.68 -0.36 0.00	18.54 -0.07 0.00	24.22 0.10 0.00	25.06 0.03 0.00	20.37 -0.06 0.00	19.15 -0.08 0.00	17.54 -0.14 0.00
COBBLENY_34_KV_TB1 80064	10.39 -0.08 -1.77	10.21 -0.04 -1.31	10.18 0.06 -1.09	8.05 0.07 -1.47	9.79 0.04 -1.16	10.29 0.00 -1.38	13.80 0.06 -1.33	16.23 -0.22 -1.79	19.19 -0.53 -0.76	19.38 -0.39 -0.50	19.37 -0.58 -0.76	19.72 -0.46 -0.91	20.02 -0.54 -1.30	20.54 -0.41 -1.65	20.86 -0.49 -1.90	20.92 -0.53 -2.40	18.98 -0.42 -3.93	23.66 -0.78 -5.40	23.18 -0.91 -5.47	26.12 -0.94 -2.94	26.82 -0.93 -2.71	21.85 -0.67 -2.10	19.93 -0.60 -1.30	18.21 -0.19 -0.72
COFFEEN___115KV_TB3 355620	9.40 0.09 -0.61	9.49 0.09 -0.45	9.44 0.04 -0.38	7.02 0.01 -0.51	9.00 0.02 -0.40	9.40 0.02 -0.48	12.89 0.02 -0.46	15.30 0.03 -0.62	19.17 -0.06 -0.26	19.32 -0.12 -0.17	19.26 -0.19 -0.26	19.47 -0.12 -0.32	19.57 -0.13 -0.44	19.65 -0.21 -0.56	19.97 -0.12 -0.65	19.70 -0.17 -0.82	16.66 -0.15 -1.36	21.05 0.13 -1.87	20.64 0.13 -1.90	25.57 0.41 -1.03	26.52 0.53 -0.95	21.50 0.33 -0.74	19.86 0.17 -0.46	18.09 0.16 -0.25
COLDSPRG_115KV_BK1 355956	10.80 0.22 -1.88	10.58 0.24 -1.39	10.53 0.35 -1.16	8.33 0.27 -1.56	10.13 0.32 -1.23	10.73 0.36 -1.47	14.43 0.61 -1.41	17.13 0.57 -1.90	20.19 0.42 -0.81	20.39 0.60 -0.53	20.33 0.35 -0.80	20.69 0.46 -0.96	21.00 0.37 -1.37	21.56 0.52 -1.73	21.85 0.41 -2.00	21.93 0.34 -2.52	19.85 0.25 -4.14	24.81 0.08 -5.69	24.25 -0.13 -5.77	27.36 0.14 -3.09	28.07 0.18 -2.85	22.78 0.14 -2.21	20.73 0.13 -1.37	18.87 0.42 -0.76
COLONIE_LFGE___ 323577	22.75 0.30 -13.75	19.43 0.30 -10.18	17.81 0.32 -8.47	18.12 0.23 -11.39	17.87 0.30 -8.98	19.93 0.30 -10.73	23.13 0.42 -10.29	28.97 0.48 -13.83	25.47 0.62 -5.88	23.76 0.62 -3.88	25.41 0.60 -5.63	26.39 0.60 -6.52	28.83 0.60 -8.97	31.35 0.62 -11.42	33.32 0.64 -13.24	36.69 0.63 -17.00	44.52 0.53 -28.53	58.39 0.65 -38.70	58.59 0.61 -39.36	46.55 0.84 -21.58	45.90 0.88 -19.98	37.57 0.73 -16.40	30.08 0.67 -10.18	23.91 0.57 -5.67
COOPERNY_115KV_TB1 80082	15.30 0.32 -6.28	13.91 0.32 -4.65	13.22 0.32 -3.87	11.94 0.24 -5.20	12.99 0.31 -4.10	14.12 0.32 -4.90	17.61 0.50 -4.70	21.53 0.56 -6.31	22.45 0.80 -2.69	21.89 0.85 -1.77	22.81 0.84 -2.78	23.54 0.87 -3.41	24.99 0.85 -4.88	26.37 0.89 -6.17	27.45 0.87 -7.14	28.76 0.82 -8.88	30.63 0.66 -14.51	40.10 0.82 -20.24	39.86 0.78 -20.47	36.05 1.01 -10.91	36.13 1.05 -10.04	28.78 0.86 -7.49	24.70 0.83 -4.65	20.99 0.72 -2.59
COPENHAGEN_WT_PWR 323753	9.34 0.01 -0.63	9.42 0.01 -0.47	9.38 -0.04 -0.39	6.99 -0.04 -0.53	8.96 -0.04 -0.41	9.35 -0.04 -0.49	12.82 -0.06 -0.47	15.22 -0.07 -0.64	19.06 -0.17 -0.27	19.21 -0.23 -0.18	19.17 -0.29 -0.27	19.38 -0.21 -0.33	19.49 -0.23 -0.46	19.58 -0.31 -0.58	19.90 -0.21 -0.67	19.66 -0.25 -0.85	16.64 -0.23 -1.41	20.96 -0.02 -1.94	20.56 -0.02 -1.97	25.33 0.15 -1.06	26.27 0.25 -0.98	21.31 0.12 -0.76	19.72 0.02 -0.47	17.96 0.02 -0.26
CORNELL_____ 23752	11.14 0.24 -2.20	10.82 0.25 -1.63	10.63 0.25 -1.35	8.51 0.18 -1.82	10.25 0.23 -1.43	10.87 0.25 -1.71	14.48 0.42 -1.64	17.28 0.41 -2.21	20.42 0.51 -0.95	20.41 0.52 -0.62	20.60 0.46 -0.95	20.94 0.54 -1.14	21.37 0.50 -1.60	21.88 0.54 -2.03	22.34 0.54 -2.35	22.53 0.51 -2.96	20.73 0.40 -4.87	26.27 0.51 -6.72	25.93 0.50 -6.81	28.53 0.75 -3.66	29.21 0.80 -3.37	23.70 0.65 -2.61	21.40 0.56 -1.62	19.15 0.57 -0.90
CORONA_AAV_69_KV_TB1 355595	25.90 0.72 -16.48	19.96 0.74 -10.28	18.96 0.74 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.24 0.74 -8.60	25.91 1.12 -12.38	30.61 1.26 -14.69	30.60 1.82 -9.82	30.26 1.93 -9.06	27.67 1.88 -6.61	28.73 1.91 -7.56	30.21 1.89 -9.06	41.13 1.91 -19.91	43.77 1.89 -22.45	43.14 1.81 -22.27	53.76 1.52 -36.78	57.16 1.92 -36.19	59.91 1.86 -39.43	50.88 2.34 -24.41	46.07 2.33 -18.71	35.87 1.90 -13.54	29.16 1.85 -8.09	26.70 1.64 -7.38
CORTLAND_115KV_TB3 80093	10.66 0.16 -1.81	10.45 0.16 -1.34	10.31 0.17 -1.12	8.12 0.12 -1.50	9.92 0.15 -1.18	10.47 0.16 -1.41	14.04 0.27 -1.36	16.74 0.26 -1.82	20.06 0.32 -0.78	20.11 0.33 -0.51	20.23 0.27 -0.78	20.53 0.33 -0.93	20.89 0.31 -1.31	21.32 0.35 -1.67	21.74 0.37 -1.93	21.79 0.30 -2.43	19.72 0.25 -4.01	24.90 0.32 -5.53	24.52 0.30 -5.61	27.58 0.43 -3.02	28.30 0.48 -2.79	22.96 0.37 -2.16	20.87 0.31 -1.34	18.76 0.34 -0.75
COXSACKIE___GT 23611	21.64 0.34 -12.60	18.61 0.33 -9.33	17.15 0.36 -7.77	17.19 0.25 -10.44	17.16 0.34 -8.23	19.11 0.37 -9.83	22.39 0.55 -9.43	27.92 0.59 -12.68	25.06 0.70 -5.39	23.50 0.67 -3.56	25.11 0.60 -5.33	26.22 0.62 -6.34	29.02 0.89 -8.87	31.30 0.73 -11.26	33.34 0.85 -13.04	36.30 0.72 -16.51	43.54 0.70 -27.38	57.50 0.86 -37.60	57.68 0.91 -38.15	46.19 1.40 -20.66	45.54 1.43 -19.08	36.55 1.08 -15.03	29.48 0.92 -9.33	23.81 0.94 -5.19
CPV_VALLEY___CC1 323721	18.95 0.48 -9.78	16.67 0.49 -7.24	15.54 0.49 -6.02	14.96 0.36 -8.10	15.44 0.47 -6.39	17.01 0.48 -7.63	20.48 0.74 -7.32	25.35 0.86 -9.83	24.40 1.25 -4.18	23.36 1.33 -2.76	24.89 1.32 -4.38	26.04 1.35 -5.43	28.40 1.33 -7.80	30.58 1.41 -9.87	32.23 1.38 -11.41	34.49 1.30 -14.14	39.49 1.04 -22.99	52.55 1.30 -32.22	52.40 1.23 -32.55	42.98 1.57 -17.29	42.49 1.55 -15.89	33.38 1.29 -11.66	27.71 1.25 -7.24	22.81 1.10 -4.03

CPV_VALLEY___CC2 323722	18.95 0.48 -9.78	16.67 0.49 -7.24	15.54 0.49 -6.02	14.96 0.36 -8.10	15.44 0.47 -6.39	17.01 0.48 -7.63	20.48 0.74 -7.32	25.35 0.86 -9.83	24.40 1.25 -4.18	23.36 1.33 -2.76	24.89 1.32 -4.38	26.04 1.35 -5.43	28.40 1.33 -7.80	30.58 1.41 -9.87	32.23 1.38 -11.41	34.49 1.30 -14.14	39.49 1.04 -22.99	52.55 1.30 -32.22	52.40 1.23 -32.55	42.98 1.57 -17.29	42.49 1.55 -15.89	33.38 1.29 -11.66	27.71 1.25 -7.24	22.81 1.10 -4.03
CRESCENT___HYD 24018	22.75 0.30 -13.75	19.43 0.30 -10.18	17.81 0.32 -8.47	18.12 0.23 -11.39	17.87 0.30 -8.98	19.93 0.30 -10.73	23.13 0.42 -10.29	28.97 0.48 -13.83	25.47 0.62 -5.88	23.76 0.62 -3.88	25.41 0.60 -5.63	26.39 0.60 -6.52	28.83 0.60 -8.97	31.35 0.62 -11.42	33.32 0.64 -13.24	36.69 0.63 -17.00	44.52 0.53 -28.53	58.39 0.65 -38.70	58.59 0.61 -39.36	46.55 0.84 -21.58	45.90 0.88 -19.98	37.57 0.73 -16.40	30.08 0.67 -10.18	23.91 0.57 -5.67
CRICKET___VALLEY_CC1 323756	20.59 0.41 -11.49	17.89 0.44 -8.51	16.54 0.43 -7.08	16.34 0.33 -9.51	16.51 0.42 -7.50	18.29 0.43 -8.96	21.62 0.61 -8.60	26.93 0.72 -11.55	24.90 1.02 -4.91	23.57 1.06 -3.24	22.43 1.05 -2.19	20.55 1.06 -0.22	18.33 1.06 1.99	18.32 1.10 2.08	18.29 1.09 2.24	20.69 1.03 -0.60	22.13 0.82 -5.85	21.14 1.03 -1.07	22.15 0.99 -2.55	30.52 1.25 -5.14	31.74 1.23 -5.48	35.15 1.02 -13.70	28.71 0.98 -8.51	23.24 0.83 -4.73
CRICKET___VALLEY_CC2 323757	20.59 0.41 -11.49	17.89 0.44 -8.51	16.54 0.43 -7.08	16.34 0.33 -9.51	16.51 0.42 -7.50	18.29 0.43 -8.96	21.62 0.61 -8.60	26.93 0.72 -11.55	24.90 1.02 -4.91	23.57 1.06 -3.24	22.43 1.05 -2.19	20.55 1.06 -0.22	18.33 1.06 1.99	18.32 1.10 2.08	18.29 1.09 2.24	20.69 1.03 -0.60	22.13 0.82 -5.85	21.14 1.03 -1.07	22.15 0.99 -2.55	30.52 1.25 -5.14	31.74 1.23 -5.48	35.15 1.02 -13.70	28.71 0.98 -8.51	23.24 0.83 -4.73
CRICKET___VALLEY_CC3 323758	20.59 0.41 -11.49	17.89 0.44 -8.51	16.54 0.43 -7.08	16.34 0.33 -9.51	16.51 0.42 -7.50	18.29 0.43 -8.96	21.62 0.61 -8.60	26.93 0.72 -11.55	24.90 1.02 -4.91	23.57 1.06 -3.24	22.43 1.05 -2.19	20.55 1.06 -0.22	18.33 1.06 1.99	18.32 1.10 2.08	18.29 1.09 2.24	20.69 1.03 -0.60	22.13 0.82 -5.85	21.14 1.03 -1.07	22.15 0.99 -2.55	30.52 1.25 -5.14	31.74 1.23 -5.48	35.15 1.02 -13.70	28.71 0.98 -8.51	23.24 0.83 -4.73
CRUCIBLE_METL_DRP 24180	9.84 0.00 -1.15	9.79 0.00 -0.85	9.73 0.00 -0.71	7.45 0.00 -0.95	9.33 0.00 -0.75	9.79 -0.01 -0.89	13.31 0.04 -0.86	15.79 -0.01 -1.15	19.39 -0.06 -0.49	19.55 -0.04 -0.32	19.60 -0.08 -0.49	19.83 -0.02 -0.59	20.07 -0.02 -0.82	20.36 0.02 -1.04	20.66 0.02 -1.20	20.55 -0.02 -1.51	17.99 -0.02 -2.54	22.53 -0.02 -3.50	22.11 -0.06 -3.55	26.01 0.00 -1.88	26.78 0.00 -1.74	21.78 0.00 -1.35	20.02 -0.04 -0.84	18.16 0.02 -0.46
DAHOWA___HYDRO 323763	22.98 0.26 -14.02	19.60 0.27 -10.38	17.95 0.28 -8.64	18.32 0.20 -11.61	18.01 0.27 -9.16	20.10 0.26 -10.94	23.36 0.45 -10.50	29.23 0.47 -14.11	25.53 0.57 -6.00	23.80 0.58 -3.96	25.58 0.60 -5.79	26.64 0.62 -6.76	29.24 0.63 -9.34	31.87 0.68 -11.89	33.94 0.72 -13.77	37.44 0.76 -17.62	45.58 0.65 -29.47	59.99 0.84 -40.11	60.19 0.80 -40.77	47.54 1.13 -22.28	46.83 1.18 -20.61	38.12 0.96 -16.73	30.48 0.87 -10.38	24.17 0.71 -5.78
DANC___LFGE 323619	9.40 -0.05 -0.75	9.45 -0.05 -0.56	9.41 -0.07 -0.46	7.06 -0.07 -0.62	8.99 -0.09 -0.49	9.39 -0.10 -0.59	12.86 -0.11 -0.56	15.25 -0.16 -0.76	19.02 -0.27 -0.32	19.19 -0.29 -0.21	19.18 -0.33 -0.32	19.40 -0.25 -0.39	19.54 -0.27 -0.54	19.68 -0.31 -0.69	19.98 -0.25 -0.80	19.76 -0.31 -1.00	16.86 -0.26 -1.66	21.17 -0.17 -2.30	20.78 -0.17 -2.33	25.31 -0.07 -1.25	26.22 0.03 -1.16	21.29 -0.04 -0.90	19.67 -0.11 -0.55	17.92 -0.07 -0.31
DANSKAMMER___1 23586	19.97 0.56 -10.71	17.46 0.58 -7.93	16.19 0.56 -6.60	15.79 0.42 -8.87	16.12 0.54 -7.00	17.83 0.57 -8.36	21.29 0.86 -8.02	26.41 0.98 -10.78	24.97 1.42 -4.58	23.80 1.50 -3.03	25.46 1.50 -4.77	26.68 1.52 -5.89	29.28 1.56 -8.45	31.62 1.62 -10.69	33.44 1.63 -12.36	35.97 1.56 -15.35	41.75 1.28 -25.00	55.59 1.58 -34.97	55.49 1.53 -35.34	44.88 1.95 -18.81	44.31 1.98 -17.30	34.81 1.59 -12.78	28.66 1.50 -7.93	23.42 1.33 -4.41
DANSKAMMER___2 23589	19.97 0.56 -10.71	17.46 0.58 -7.93	16.19 0.56 -6.60	15.79 0.42 -8.87	16.12 0.54 -7.00	17.83 0.57 -8.36	21.29 0.86 -8.02	26.41 0.98 -10.78	24.97 1.42 -4.58	23.80 1.50 -3.03	25.46 1.50 -4.77	26.68 1.52 -5.89	29.28 1.56 -8.45	31.62 1.62 -10.69	33.44 1.63 -12.36	35.97 1.56 -15.35	41.75 1.28 -25.00	55.59 1.58 -34.97	55.49 1.53 -35.34	44.88 1.95 -18.81	44.31 1.98 -17.30	34.81 1.59 -12.78	28.66 1.50 -7.93	23.42 1.33 -4.41
DANSKAMMER___3 23590	19.97 0.56 -10.71	17.46 0.58 -7.93	16.19 0.56 -6.60	15.79 0.42 -8.87	16.12 0.54 -7.00	17.83 0.57 -8.36	21.29 0.86 -8.02	26.41 0.98 -10.78	24.97 1.42 -4.58	23.80 1.50 -3.03	25.46 1.50 -4.77	26.68 1.52 -5.89	29.28 1.56 -8.45	31.62 1.62 -10.69	33.44 1.63 -12.36	35.97 1.56 -15.35	41.75 1.28 -25.00	55.59 1.58 -34.97	55.49 1.53 -35.34	44.88 1.95 -18.81	44.31 1.98 -17.30	34.81 1.59 -12.78	28.66 1.50 -7.93	23.42 1.33 -4.41
DANSKAMMER___4 23591	19.97 0.56 -10.71	17.46 0.58 -7.93	16.19 0.56 -6.60	15.79 0.42 -8.87	16.12 0.54 -7.00	17.83 0.57 -8.36	21.29 0.86 -8.02	26.41 0.98 -10.78	24.97 1.42 -4.58	23.80 1.50 -3.03	25.46 1.50 -4.77	26.68 1.52 -5.89	29.28 1.56 -8.45	31.62 1.62 -10.69	33.44 1.63 -12.36	35.97 1.56 -15.35	41.75 1.28 -25.00	55.59 1.58 -34.97	55.49 1.53 -35.34	44.88 1.95 -18.81	44.31 1.98 -17.30	34.81 1.59 -12.78	28.66 1.50 -7.93	23.42 1.33 -4.41
DANSKAMMER___DIESEL 23592	19.97 0.56 -10.71	17.45 0.57 -7.93	16.18 0.56 -6.60	15.79 0.42 -8.87	16.12 0.54 -7.00	17.83 0.57 -8.36	21.29 0.86 -8.02	26.41 0.98 -10.78	24.97 1.42 -4.58	23.77 1.48 -3.03	25.46 1.50 -4.77	26.68 1.52 -5.89	29.28 1.56 -8.45	31.62 1.62 -10.69	33.44 1.63 -12.36	35.97 1.56 -15.35	41.77 1.30 -25.00	55.61 1.60 -34.97	55.50 1.55 -35.34	44.88 1.95 -18.80	44.31 1.98 -17.29	34.80 1.59 -12.78	28.68 1.52 -7.93	23.42 1.33 -4.41
DARBY___SOLAR 323810	22.96 0.28 -13.98	19.60 0.30 -10.35	17.94 0.30 -8.62	18.30 0.21 -11.58	18.00 0.28 -9.13	20.09 0.28 -10.91	23.35 0.47 -10.47	29.22 0.50 -14.07	25.57 0.63 -5.98	23.85 0.64 -3.95	25.61 0.65 -5.77	26.65 0.66 -6.73	29.22 0.67 -9.29	31.84 0.71 -11.82	33.89 0.76 -13.69	37.37 0.78 -17.53	45.45 0.66 -29.33	59.77 0.84 -39.89	59.99 0.82 -40.55	47.43 1.13 -22.17	46.73 1.18 -20.51	38.07 0.96 -16.68	30.45 0.87 -10.36	24.17 0.72 -5.76
DASHVILLE___HYD 23610	19.94 0.50 -10.75	17.40 0.50 -7.96	16.13 0.48 -6.62	15.76 0.36 -8.90	16.08 0.47 -7.02	17.79 0.50 -8.39	21.22 0.76 -8.05	26.33 0.86 -10.81	24.87 1.31 -4.60	23.71 1.41 -3.04	25.31 1.40 -4.72	26.47 1.44 -5.76	29.21 1.73 -8.22	31.58 1.87 -10.40	33.32 1.85 -12.03	35.52 1.45 -15.02	41.24 1.19 -24.59	54.78 1.52 -34.22	54.69 1.45 -34.62	44.44 1.81 -18.51	43.88 1.80 -17.04	34.72 1.47 -12.82	28.59 1.40 -7.96	23.28 1.17 -4.43

DEERFIELD_69_KV_DEERFIELD LD 355887	26.04 0.87 -16.48	20.13 0.90 -10.28	19.13 0.90 -9.20	16.19 0.64 -9.05	16.56 0.84 -7.13	18.38 0.87 -8.60	26.17 1.38 -12.38	31.03 1.69 -14.69	31.04 2.26 -9.82	30.70 2.37 -9.06	28.08 2.28 -6.61	29.14 2.31 -7.56	30.62 2.29 -9.06	41.65 2.43 -19.91	44.32 2.43 -22.45	43.64 2.31 -22.27	54.27 2.03 -36.78	57.82 2.59 -36.19	60.58 2.53 -39.43	51.74 3.21 -24.41	47.00 3.26 -18.71	36.59 2.62 -13.54	29.80 2.48 -8.09	27.23 2.17 -7.38
DELAWARE___LFGE 323621	12.71 0.30 -3.71	12.01 0.31 -2.75	11.62 0.31 -2.29	9.80 0.22 -3.08	11.30 0.29 -2.43	12.10 0.30 -2.90	15.65 0.46 -2.78	18.90 0.51 -3.74	21.24 0.68 -1.59	21.05 0.73 -1.05	21.47 0.69 -1.59	21.91 0.73 -1.92	22.70 0.73 -2.70	23.48 0.75 -3.43	24.16 0.76 -3.96	24.75 0.71 -4.99	24.23 0.54 -8.23	31.09 0.69 -11.36	30.78 0.65 -11.51	31.22 0.89 -6.20	31.73 0.98 -5.72	25.65 0.80 -4.43	22.70 0.73 -2.75	19.90 0.69 -1.53
DERFIELD_115KV_TB7 355931	8.72 0.02 0.00	8.96 0.02 0.00	9.04 0.02 0.00	6.52 0.01 0.00	8.60 0.02 0.00	8.92 0.02 0.00	12.44 0.02 0.00	14.67 0.01 0.00	19.00 0.04 0.00	19.30 0.04 0.00	19.23 0.04 0.00	19.30 0.04 0.00	19.30 0.04 0.00	19.34 0.04 0.00	19.48 0.04 0.00	19.10 0.04 0.00	15.48 0.02 0.00	19.08 0.04 0.00	18.64 0.02 0.00	24.15 0.02 0.00	25.09 0.05 0.00	20.47 0.04 0.00	19.26 0.04 0.00	17.72 0.04 0.00
DOGLEVILLE___HYD 23807	8.67 -0.03 0.00	8.92 -0.03 0.00	8.99 -0.04 0.00	6.47 -0.03 0.00	8.54 -0.04 0.00	8.85 -0.05 0.00	12.29 -0.12 0.00	14.51 -0.15 0.00	18.74 -0.23 0.00	19.03 -0.23 0.00	18.92 -0.27 0.00	18.98 -0.29 0.00	18.94 -0.33 0.00	18.90 -0.41 0.00	19.01 -0.43 0.00	18.58 -0.48 0.00	15.06 -0.40 0.00	18.64 -0.40 0.00	18.22 -0.39 0.00	23.67 -0.46 0.00	24.64 -0.40 0.00	20.19 -0.24 0.00	18.98 -0.25 0.00	17.49 -0.19 0.00
DUNKIRK___115KV_TB_200 55889	10.53 0.10 -1.72	10.36 0.14 -1.28	10.35 0.26 -1.06	8.15 0.21 -1.43	9.94 0.23 -1.13	10.46 0.21 -1.35	14.09 0.38 -1.29	16.59 0.19 -1.74	19.69 -0.02 -0.74	19.70 -0.06 -0.49	19.68 -0.25 -0.74	20.02 -0.13 -0.89	20.34 -0.19 -1.26	20.83 -0.08 -1.60	21.14 -0.16 -1.85	21.19 -0.21 -2.34	19.14 -0.15 -3.83	23.86 -0.44 -5.26	23.35 -0.60 -5.33	26.48 -0.51 -2.86	27.20 -0.48 -2.64	22.15 -0.33 -2.04	20.22 -0.27 -1.27	18.49 0.11 -0.71
DUNKIRK___1 23563	10.53 0.10 -1.72	10.36 0.14 -1.28	10.35 0.26 -1.06	8.15 0.21 -1.43	9.94 0.23 -1.13	10.46 0.21 -1.35	14.09 0.38 -1.29	16.59 0.19 -1.74	19.69 -0.02 -0.74	19.70 -0.06 -0.49	19.68 -0.25 -0.74	20.02 -0.13 -0.89	20.34 -0.19 -1.26	20.83 -0.08 -1.60	21.14 -0.16 -1.85	21.19 -0.21 -2.34	19.14 -0.15 -3.83	23.86 -0.44 -5.26	23.35 -0.60 -5.33	26.48 -0.51 -2.86	27.20 -0.48 -2.64	22.15 -0.33 -2.04	20.22 -0.27 -1.27	18.49 0.11 -0.71
DUNKIRK___2 23564	10.53 0.10 -1.72	10.36 0.14 -1.28	10.35 0.26 -1.06	8.15 0.21 -1.43	9.94 0.23 -1.13	10.46 0.21 -1.35	14.09 0.38 -1.29	16.59 0.19 -1.74	19.69 -0.02 -0.74	19.70 -0.06 -0.49	19.68 -0.25 -0.74	20.02 -0.13 -0.89	20.34 -0.19 -1.26	20.83 -0.08 -1.60	21.14 -0.16 -1.85	21.19 -0.21 -2.34	19.14 -0.15 -3.83	23.86 -0.44 -5.26	23.35 -0.60 -5.33	26.48 -0.51 -2.86	27.20 -0.48 -2.64	22.15 -0.33 -2.04	20.22 -0.27 -1.27	18.49 0.11 -0.71
DUNKIRK___3 23565	10.47 0.06 -1.71	10.32 0.11 -1.27	10.29 0.22 -1.05	8.10 0.18 -1.42	9.90 0.20 -1.12	10.41 0.17 -1.33	14.00 0.31 -1.28	16.49 0.10 -1.73	19.57 -0.13 -0.74	19.58 -0.17 -0.48	19.56 -0.36 -0.73	19.90 -0.25 -0.88	20.21 -0.31 -1.25	20.70 -0.19 -1.59	21.01 -0.27 -1.84	21.05 -0.32 -2.32	19.01 -0.25 -3.79	23.70 -0.55 -5.21	23.21 -0.69 -5.28	26.30 -0.65 -2.83	27.03 -0.63 -2.61	22.00 -0.45 -2.02	20.12 -0.37 -1.26	18.38 0.00 -0.70
DUNKIRK___4 23566	10.47 0.06 -1.71	10.32 0.11 -1.27	10.29 0.22 -1.05	8.10 0.18 -1.42	9.90 0.20 -1.12	10.41 0.17 -1.33	14.00 0.31 -1.28	16.49 0.10 -1.73	19.57 -0.13 -0.74	19.58 -0.17 -0.48	19.56 -0.36 -0.73	19.90 -0.25 -0.88	20.21 -0.31 -1.25	20.70 -0.19 -1.59	21.01 -0.27 -1.84	21.05 -0.32 -2.32	19.01 -0.25 -3.79	23.70 -0.55 -5.21	23.21 -0.69 -5.28	26.30 -0.65 -2.83	27.03 -0.63 -2.61	22.00 -0.45 -2.02	20.12 -0.37 -1.26	18.38 0.00 -0.70
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	20.17 0.55 -10.92	17.59 0.55 -8.09	16.30 0.55 -6.73	15.96 0.41 -9.04	16.26 0.54 -7.13	17.98 0.56 -8.52	21.47 0.88 -8.18	26.65 1.01 -10.99	25.13 1.50 -4.67	23.95 1.60 -3.09	25.69 1.59 -4.91	27.00 1.64 -6.09	29.66 1.62 -8.78	32.09 1.68 -11.10	33.93 1.65 -12.83	36.50 1.56 -15.88	42.53 1.27 -25.80	56.85 1.62 -36.19	56.73 1.56 -36.55	45.45 1.93 -19.39	44.79 1.93 -17.82	35.01 1.55 -13.03	28.79 1.48 -8.09	23.45 1.27 -4.50
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.53 0.52 -10.32	17.12 0.54 -7.64	15.90 0.52 -6.36	15.44 0.39 -8.54	15.83 0.51 -6.74	17.48 0.53 -8.05	20.95 0.82 -7.72	25.97 0.94 -10.38	24.72 1.35 -4.41	23.60 1.43 -2.91	25.21 1.42 -4.60	26.39 1.44 -5.68	28.89 1.46 -8.16	31.16 1.53 -10.33	32.90 1.52 -11.94	35.30 1.43 -14.81	40.76 1.18 -24.12	54.26 1.47 -33.75	54.12 1.40 -34.11	44.05 1.79 -18.14	43.52 1.80 -16.68	34.21 1.47 -12.30	28.27 1.40 -7.64	23.17 1.24 -4.25
E179THST_138_KV_TB4_REV_LBMP_J 345001	20.26 0.63 -10.93	17.69 0.65 -8.10	16.40 0.65 -6.73	16.03 0.48 -9.05	16.36 0.64 -7.13	18.05 0.62 -8.52	21.56 0.97 -8.18	26.67 1.03 -10.99	25.15 1.52 -4.67	24.01 1.66 -3.09	25.82 1.73 -4.91	27.07 1.71 -6.09	29.72 1.68 -8.78	32.18 1.78 -11.10	33.99 1.71 -12.83	36.54 1.60 -15.88	42.55 1.28 -25.80	56.97 1.73 -36.20	56.85 1.68 -36.56	45.49 1.98 -19.39	44.79 1.93 -17.82	35.09 1.63 -13.03	29.02 1.71 -8.09	23.67 1.49 -4.50
E179THST_13_KV_LOAD 356214	20.30 0.67 -10.93	17.73 0.69 -8.10	16.43 0.68 -6.73	16.06 0.51 -9.05	16.39 0.67 -7.13	18.08 0.66 -8.52	21.61 1.02 -8.18	26.73 1.08 -10.99	25.23 1.59 -4.67	24.08 1.73 -3.09	25.92 1.82 -4.91	27.15 1.79 -6.09	29.82 1.77 -8.78	32.30 1.89 -11.10	34.10 1.83 -12.83	36.63 1.70 -15.88	42.62 1.36 -25.80	57.08 1.85 -36.20	56.96 1.79 -36.56	45.64 2.12 -19.39	44.94 2.08 -17.82	35.22 1.76 -13.03	29.12 1.81 -8.09	23.74 1.56 -4.50
EAST HAMPTON___GT 23717	26.16 0.98 -16.48	20.22 1.00 -10.28	19.23 1.00 -9.20	16.29 0.73 -9.05	16.68 0.96 -7.13	18.49 0.99 -8.60	26.39 1.59 -12.39	31.27 1.92 -14.69	31.29 2.50 -9.82	30.95 2.62 -9.06	28.35 2.55 -6.61	29.42 2.60 -7.56	30.89 2.56 -9.06	41.92 2.70 -19.91	44.59 2.70 -22.45	43.90 2.57 -22.27	54.50 2.26 -36.78	58.13 2.89 -36.19	60.87 2.83 -39.43	52.16 3.62 -24.41	47.40 3.66 -18.71	36.86 2.88 -13.55	30.09 2.77 -8.09	27.50 2.44 -7.38
EAST RIVER___6 23660	20.21 0.59 -10.92	17.66 0.63 -8.09	16.36 0.60 -6.73	16.00 0.46 -9.05	16.31 0.59 -7.13	18.04 0.61 -8.52	21.56 0.97 -8.18	26.75 1.11 -10.99	25.30 1.67 -4.67	24.16 1.81 -3.09	25.94 1.84 -4.91	27.19 1.83 -6.09	29.85 1.81 -8.78	32.28 1.87 -11.10	34.10 1.83 -12.83	36.65 1.72 -15.88	42.62 1.36 -25.80	57.04 1.81 -36.19	56.88 1.71 -36.56	45.64 2.12 -19.39	44.97 2.10 -17.83	35.15 1.69 -13.03	28.93 1.62 -8.09	23.58 1.40 -4.50

EAST_RIVER___7 23524	20.21 0.59 -10.92	17.66 0.63 -8.09	16.36 0.60 -6.73	16.00 0.46 -9.05	16.31 0.59 -7.13	18.04 0.61 -8.52	21.56 0.97 -8.18	26.75 1.11 -10.99	25.30 1.67 -4.67	24.16 1.81 -3.09	25.94 1.84 -4.91	27.19 1.83 -6.09	29.85 1.81 -8.78	32.28 1.87 -11.10	34.10 1.83 -12.83	36.65 1.72 -15.88	42.62 1.36 -25.80	57.04 1.81 -36.19	56.88 1.71 -36.56	45.64 2.12 -19.39	44.97 2.10 -17.83	35.15 1.69 -13.03	28.93 1.62 -8.09	23.58 1.40 -4.50
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	20.15 0.54 -10.91	17.57 0.55 -8.08	16.29 0.54 -6.72	15.94 0.40 -9.03	16.24 0.53 -7.13	17.97 0.55 -8.51	21.44 0.86 -8.17	26.61 0.98 -10.97	25.09 1.46 -4.67	23.89 1.54 -3.08	25.64 1.55 -4.90	26.93 1.58 -6.09	29.60 1.56 -8.77	32.03 1.64 -11.09	33.87 1.61 -12.82	36.44 1.52 -15.86	42.47 1.24 -25.77	56.75 1.56 -36.15	56.64 1.51 -36.51	45.38 1.88 -19.37	44.70 1.85 -17.80	34.96 1.51 -13.01	28.75 1.44 -8.08	23.43 1.26 -4.50
EAST_HAMPTON___DIESEL 23722	26.17 0.99 -16.48	20.22 1.00 -10.28	19.23 1.00 -9.20	16.29 0.74 -9.05	16.68 0.96 -7.13	18.49 0.99 -8.60	26.39 1.59 -12.39	31.27 1.92 -14.69	31.29 2.50 -9.82	30.95 2.62 -9.06	28.35 2.55 -6.61	29.42 2.60 -7.56	30.89 2.56 -9.06	41.92 2.70 -19.91	44.59 2.70 -22.45	43.92 2.59 -22.27	54.50 2.26 -36.78	58.13 2.89 -36.19	60.87 2.83 -39.43	52.16 3.62 -24.41	47.43 3.68 -18.71	36.88 2.90 -13.55	30.11 2.79 -8.09	27.50 2.44 -7.38
EAST_PULASKI___ESR 323781	9.47 -0.10 -0.87	9.49 -0.10 -0.64	9.45 -0.11 -0.53	7.14 -0.08 -0.72	9.04 -0.11 -0.57	9.45 -0.12 -0.68	12.91 -0.15 -0.65	15.29 -0.23 -0.87	18.99 -0.34 -0.37	19.16 -0.35 -0.24	19.19 -0.36 -0.37	19.42 -0.29 -0.45	19.60 -0.29 -0.63	19.81 -0.29 -0.79	20.09 -0.27 -0.92	19.89 -0.32 -1.16	17.11 -0.28 -1.92	21.41 -0.29 -2.65	21.01 -0.30 -2.69	25.27 -0.29 -1.44	26.16 -0.20 -1.33	21.27 -0.18 -1.03	19.63 -0.23 -0.64	17.88 -0.16 -0.35
EAST_RIVER___1 323558	20.21 0.59 -10.92	17.65 0.62 -8.09	16.35 0.60 -6.73	16.00 0.45 -9.05	16.30 0.58 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.22 1.81 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.59 1.33 -25.80	56.98 1.75 -36.19	56.85 1.68 -36.56	45.62 2.10 -19.39	44.92 2.05 -17.83	35.14 1.68 -13.03	28.91 1.59 -8.09	23.56 1.38 -4.50
EAST_RIVER___2 323559	20.21 0.59 -10.92	17.66 0.63 -8.09	16.36 0.60 -6.73	16.00 0.46 -9.05	16.31 0.59 -7.13	18.04 0.61 -8.52	21.56 0.97 -8.18	26.75 1.11 -10.99	25.30 1.67 -4.67	24.16 1.81 -3.09	25.94 1.84 -4.91	27.19 1.83 -6.09	29.85 1.81 -8.78	32.28 1.87 -11.10	34.10 1.83 -12.83	36.65 1.72 -15.88	42.62 1.36 -25.80	57.04 1.81 -36.19	56.88 1.71 -36.56	45.64 2.12 -19.39	44.97 2.10 -17.83	35.15 1.69 -13.03	28.93 1.62 -8.09	23.58 1.40 -4.50
EAST___DELAWARE_HYD 23607	18.13 0.70 -8.73	16.14 0.73 -6.46	15.11 0.70 -5.38	14.25 0.52 -7.23	14.97 0.69 -5.70	16.42 0.71 -6.81	19.94 0.99 -6.54	24.55 1.11 -8.78	24.25 1.56 -3.73	23.37 1.64 -2.47	24.64 1.59 -3.86	25.65 1.66 -4.73	27.61 1.58 -6.76	29.43 1.56 -8.56	30.45 1.11 -9.90	32.45 1.07 -12.33	36.50 0.90 -20.14	48.27 1.14 -28.09	48.14 1.12 -28.41	40.73 1.45 -15.16	41.02 2.03 -13.95	32.48 1.64 -10.41	27.23 1.54 -6.46	22.64 1.36 -3.60
EIGHT_POINT___WT_PWR 323820	11.00 0.24 -2.06	10.73 0.26 -1.53	10.63 0.33 -1.27	8.46 0.25 -1.71	10.25 0.32 -1.35	10.82 0.31 -1.61	14.49 0.53 -1.54	17.14 0.41 -2.07	20.20 0.36 -0.88	20.31 0.46 -0.58	20.36 0.29 -0.88	20.73 0.41 -1.06	21.14 0.37 -1.51	21.70 0.48 -1.91	22.08 0.43 -2.22	22.19 0.34 -2.79	20.29 0.26 -4.56	25.55 0.21 -6.30	25.13 0.13 -6.39	27.98 0.41 -3.44	28.64 0.43 -3.17	23.26 0.37 -2.46	21.05 0.31 -1.52	19.07 0.55 -0.84
ELBRIDGE_115KV_TB2 80188	9.87 -0.03 -1.20	9.81 -0.03 -0.89	9.75 -0.02 -0.74	7.49 -0.01 -0.99	9.34 -0.03 -0.78	9.80 -0.04 -0.94	13.34 0.02 -0.90	15.82 -0.04 -1.21	19.38 -0.09 -0.51	19.51 -0.10 -0.34	19.58 -0.12 -0.51	19.82 -0.06 -0.62	20.04 -0.08 -0.86	20.35 -0.04 -1.09	20.66 -0.04 -1.26	20.56 -0.08 -1.58	18.08 -0.05 -2.66	22.62 -0.10 -3.67	22.21 -0.13 -3.72	26.01 -0.10 -1.98	26.79 -0.08 -1.82	21.78 -0.06 -1.41	20.03 -0.08 -0.88	18.15 -0.02 -0.49
ELEC_TRO_TEK 24086	25.84 0.67 -16.48	19.91 0.69 -10.28	18.91 0.69 -9.20	16.05 0.49 -9.05	16.37 0.65 -7.13	18.19 0.69 -8.60	25.86 1.07 -12.38	30.58 1.23 -14.69	30.55 1.76 -9.82	30.20 1.87 -9.06	27.60 1.80 -6.61	28.65 1.83 -7.56	30.12 1.79 -9.06	41.07 1.85 -19.91	43.70 1.81 -22.45	43.05 1.72 -22.27	53.66 1.42 -36.78	57.06 1.83 -36.19	59.81 1.77 -39.43	50.73 2.20 -24.41	45.95 2.20 -18.71	35.79 1.82 -13.54	29.06 1.75 -8.09	26.63 1.57 -7.38
ELLENBURG_WT_PWR 323604	8.37 -0.33 0.00	8.59 -0.36 0.00	8.63 -0.40 0.00	6.22 -0.29 0.00	8.24 -0.34 0.00	8.58 -0.32 0.00	12.05 -0.36 0.00	14.30 -0.35 0.00	18.45 -0.51 0.00	18.61 -0.66 0.00	18.63 -0.56 0.00	18.63 -0.64 0.00	18.65 -0.62 0.00	18.59 -0.71 0.00	18.74 -0.70 0.00	18.37 -0.69 0.00	14.84 -0.62 0.00	18.41 -0.63 0.00	18.28 -0.33 0.00	23.86 -0.26 0.00	24.71 -0.33 0.00	20.10 -0.33 0.00	18.92 -0.31 0.00	17.36 -0.32 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	10.29 -0.06 -1.66	10.15 -0.02 -1.23	10.13 0.09 -1.02	7.97 0.10 -1.37	9.74 0.08 -1.08	10.20 0.01 -1.29	13.71 0.06 -1.24	16.07 -0.26 -1.67	19.11 -0.57 -0.71	19.27 -0.46 -0.47	19.27 -0.63 -0.72	19.61 -0.52 -0.86	19.91 -0.58 -1.22	20.37 -0.48 -1.55	20.69 -0.54 -1.79	20.73 -0.59 -2.26	18.72 -0.45 -3.70	23.31 -0.82 -5.08	22.82 -0.95 -5.15	25.90 -0.99 -2.76	26.59 -1.00 -2.55	21.69 -0.72 -1.97	19.85 -0.60 -1.22	18.19 -0.18 -0.68
EMPIRE_CC_1 323656	22.00 0.28 -13.03	18.88 0.29 -9.65	17.35 0.30 -8.03	17.51 0.21 -10.79	17.38 0.28 -8.51	19.35 0.28 -10.16	22.44 0.27 -9.75	28.07 0.31 -13.10	24.95 0.42 -5.57	23.37 0.42 -3.68	24.81 0.38 -5.24	25.64 0.39 -5.99	27.80 0.39 -8.15	30.08 0.39 -10.39	31.88 0.39 -12.05	35.03 0.36 -15.61	42.12 0.29 -26.37	54.89 0.34 -35.51	55.12 0.34 -36.17	44.56 0.46 -19.97	44.03 0.47 -18.52	36.38 0.41 -15.54	29.26 0.38 -9.65	23.37 0.32 -5.37
EMPIRE_CC_2 323658	22.00 0.28 -13.03	18.88 0.29 -9.65	17.35 0.30 -8.03	17.51 0.21 -10.79	17.38 0.28 -8.51	19.35 0.28 -10.16	22.44 0.27 -9.75	28.07 0.31 -13.10	24.95 0.42 -5.57	23.37 0.42 -3.68	24.81 0.38 -5.24	25.64 0.39 -5.99	27.80 0.39 -8.15	30.08 0.39 -10.39	31.88 0.39 -12.05	35.03 0.36 -15.61	42.12 0.29 -26.37	54.89 0.34 -35.51	55.12 0.34 -36.17	44.56 0.46 -19.97	44.03 0.47 -18.52	36.38 0.41 -15.54	29.26 0.38 -9.65	23.37 0.32 -5.37
ENORWICH_115KV_TB1 80156	12.27 0.70 -2.87	11.79 0.72 -2.12	11.46 0.67 -1.77	9.35 0.47 -2.37	11.08 0.63 -1.87	11.81 0.67 -2.24	15.54 0.98 -2.15	18.64 1.10 -2.88	21.54 1.35 -1.23	21.39 1.31 -0.81	21.55 1.13 -1.23	21.96 1.21 -1.48	22.54 1.19 -2.08	23.17 1.22 -2.64	23.81 1.30 -3.06	24.15 1.24 -3.85	22.77 0.96 -6.35	29.27 1.47 -8.76	28.96 1.47 -8.88	31.07 2.17 -4.78	31.72 2.28 -4.40	25.64 1.80 -3.41	22.90 1.56 -2.12	20.36 1.50 -1.18

ERIE_ST__34_KV_TB1-2 80199	10.32 -0.10 -1.72	10.15 -0.07 -1.27	10.12 0.04 -1.06	7.98 0.05 -1.43	9.73 0.02 -1.12	10.23 -0.02 -1.34	13.74 0.04 -1.29	16.18 -0.22 -1.74	19.17 -0.53 -0.74	19.37 -0.39 -0.49	19.34 -0.59 -0.74	19.70 -0.46 -0.89	19.99 -0.54 -1.27	20.51 -0.41 -1.61	20.84 -0.47 -1.86	20.89 -0.51 -2.34	18.90 -0.40 -3.84	23.56 -0.76 -5.28	23.05 -0.91 -5.35	26.08 -0.92 -2.87	26.76 -0.93 -2.64	21.78 -0.69 -2.05	19.88 -0.62 -1.27	18.16 -0.23 -0.71
ERIE_WT_PWR 323693	10.36 -0.03 -1.69	10.19 -0.01 -1.25	10.18 0.12 -1.04	8.01 0.10 -1.40	9.79 0.09 -1.11	10.27 0.04 -1.32	13.79 0.11 -1.27	16.17 -0.19 -1.70	19.21 -0.47 -0.72	19.40 -0.35 -0.48	19.38 -0.54 -0.73	19.71 -0.42 -0.87	20.04 -0.48 -1.25	20.52 -0.37 -1.59	20.85 -0.43 -1.84	20.86 -0.51 -2.31	18.83 -0.39 -3.75	23.50 -0.72 -5.18	23.03 -0.84 -5.25	26.11 -0.85 -2.83	26.80 -0.85 -2.61	21.84 -0.61 -2.02	19.92 -0.56 -1.25	18.26 -0.12 -0.70
ESPRGFLD_115KV_TB1 80157	6.69 0.56 2.56	7.63 0.58 1.90	8.01 0.57 1.58	4.79 0.41 2.12	7.45 0.54 1.67	7.47 0.57 2.00	11.41 0.92 1.92	13.10 1.03 2.58	19.12 1.25 1.10	19.81 1.27 0.72	19.23 1.23 1.19	19.11 1.35 1.51	18.40 1.33 2.20	17.92 1.39 2.77	17.64 1.40 3.20	16.53 1.39 3.92	10.29 1.14 6.32	11.58 1.49 8.95	11.01 1.41 9.02	21.31 1.93 4.74	22.77 2.08 4.35	19.09 1.72 3.06	18.86 1.54 1.90	18.00 1.38 1.06
ETNA_115_KV_TB1_REV_LBMP_C 345029	11.12 0.23 -2.19	10.80 0.23 -1.62	10.62 0.24 -1.35	8.49 0.17 -1.81	10.24 0.22 -1.43	10.84 0.23 -1.71	14.45 0.40 -1.64	17.24 0.38 -2.20	20.40 0.49 -0.94	20.37 0.48 -0.62	20.55 0.42 -0.94	20.90 0.50 -1.13	21.30 0.44 -1.59	21.81 0.48 -2.02	22.29 0.51 -2.34	22.46 0.46 -2.95	20.67 0.36 -4.85	26.19 0.46 -6.69	25.86 0.47 -6.78	28.47 0.70 -3.64	29.15 0.75 -3.36	23.63 0.59 -2.60	21.34 0.50 -1.62	19.11 0.53 -0.90
ETNA____115KV_TB2 80207	11.12 0.23 -2.19	10.80 0.23 -1.62	10.62 0.24 -1.35	8.49 0.17 -1.81	10.24 0.22 -1.43	10.84 0.23 -1.71	14.45 0.40 -1.64	17.24 0.38 -2.20	20.40 0.49 -0.94	20.37 0.48 -0.62	20.55 0.42 -0.94	20.90 0.50 -1.13	21.30 0.44 -1.59	21.81 0.48 -2.02	22.29 0.51 -2.34	22.46 0.46 -2.95	20.67 0.36 -4.85	26.19 0.46 -6.69	25.86 0.47 -6.78	28.47 0.70 -3.64	29.15 0.75 -3.36	23.63 0.59 -2.60	21.34 0.50 -1.62	19.11 0.53 -0.90
EUCLID__115KV_TB2 356179	9.54 -0.12 -0.97	9.54 -0.13 -0.72	9.50 -0.12 -0.60	7.22 -0.08 -0.80	9.10 -0.12 -0.63	9.53 -0.12 -0.76	12.99 -0.15 -0.72	15.39 -0.23 -0.97	19.05 -0.32 -0.41	19.23 -0.31 -0.27	19.26 -0.35 -0.41	19.45 -0.31 -0.50	19.66 -0.31 -0.70	19.92 -0.27 -0.89	20.20 -0.27 -1.03	20.04 -0.30 -1.29	17.36 -0.25 -2.14	21.68 -0.32 -2.96	21.26 -0.35 -3.00	25.43 -0.31 -1.62	26.23 -0.30 -1.50	21.34 -0.25 -1.16	19.69 -0.25 -0.72	17.90 -0.18 -0.40
E_CANADA_CAP_HY 24051	26.30 0.65 -16.95	22.18 0.68 -12.55	20.15 0.68 -10.45	21.03 0.49 -14.04	20.31 0.65 -11.07	22.80 0.68 -13.23	26.18 1.08 -12.69	32.89 1.19 -17.05	27.60 1.38 -7.25	25.46 1.41 -4.79	27.74 1.40 -7.15	29.27 1.52 -8.48	32.62 1.50 -11.85	35.94 1.58 -15.05	38.48 1.61 -17.43	42.79 1.64 -22.10	53.56 1.42 -36.67	71.22 1.87 -50.31	71.46 1.79 -51.05	54.22 2.41 -27.69	53.11 2.50 -25.57	42.76 2.10 -20.22	33.66 1.89 -12.55	26.33 1.66 -6.99
E_CANADA_MHWK_HY 24050	8.67 -0.03 0.00	8.92 -0.03 0.00	8.99 -0.04 0.00	6.47 -0.03 0.00	8.54 -0.04 0.00	8.85 -0.05 0.00	12.29 -0.12 0.00	14.51 -0.15 0.00	18.74 -0.23 0.00	19.03 -0.23 0.00	18.92 -0.27 0.00	18.98 -0.29 0.00	18.94 -0.33 0.00	18.90 -0.41 0.00	19.01 -0.43 0.00	18.58 -0.48 0.00	15.06 -0.40 0.00	18.64 -0.40 0.00	18.22 -0.39 0.00	23.67 -0.46 0.00	24.64 -0.40 0.00	20.19 -0.24 0.00	18.98 -0.25 0.00	17.49 -0.19 0.00
E_FISHKILL__LBMP 23776	20.23 0.48 -11.05	17.62 0.49 -8.18	16.32 0.49 -6.81	16.02 0.36 -9.15	16.28 0.48 -7.22	18.01 0.49 -8.62	21.43 0.74 -8.27	26.63 0.86 -11.11	24.94 1.25 -4.73	23.72 1.33 -3.12	25.48 1.32 -4.97	26.78 1.35 -6.17	29.50 1.35 -8.88	31.93 1.39 -11.23	33.81 1.38 -12.99	36.42 1.30 -16.07	42.62 1.05 -26.11	56.99 1.33 -36.62	56.89 1.28 -36.99	45.34 1.59 -19.62	44.68 1.60 -18.04	34.92 1.31 -13.18	28.66 1.25 -8.18	23.31 1.08 -4.55
FALCON__SEABRD_CC1 323796	8.51 -0.19 0.00	8.73 -0.21 0.00	8.77 -0.25 0.00	6.32 -0.18 0.00	8.39 -0.20 0.00	8.75 -0.15 0.00	12.32 -0.09 0.00	14.64 -0.01 0.00	18.87 -0.09 0.00	19.01 -0.25 0.00	19.05 -0.13 0.00	19.05 -0.21 0.00	19.07 -0.19 0.00	18.98 -0.33 0.00	19.17 -0.27 0.00	18.79 -0.27 0.00	15.00 -0.46 0.00	18.64 -0.40 0.00	18.51 -0.11 0.00	24.17 0.05 0.00	25.01 -0.03 0.00	20.33 -0.10 0.00	19.13 -0.10 0.00	17.56 -0.12 0.00
FALCON__SEABRD_CC2 323797	8.51 -0.19 0.00	8.73 -0.21 0.00	8.77 -0.25 0.00	6.32 -0.18 0.00	8.39 -0.20 0.00	8.75 -0.15 0.00	12.32 -0.09 0.00	14.64 -0.01 0.00	18.87 -0.09 0.00	19.01 -0.25 0.00	19.05 -0.13 0.00	19.05 -0.21 0.00	19.07 -0.19 0.00	18.98 -0.33 0.00	19.17 -0.27 0.00	18.79 -0.27 0.00	15.00 -0.46 0.00	18.64 -0.40 0.00	18.51 -0.11 0.00	24.17 0.05 0.00	25.01 -0.03 0.00	20.33 -0.10 0.00	19.13 -0.10 0.00	17.56 -0.12 0.00
FAR ROCKAWAY__4 23548	25.96 0.78 -16.48	20.02 0.80 -10.28	19.02 0.79 -9.20	16.12 0.57 -9.05	16.48 0.76 -7.13	18.30 0.79 -8.60	26.00 1.20 -12.38	30.71 1.36 -14.69	30.72 1.93 -9.82	30.39 2.06 -9.06	27.83 2.03 -6.61	28.91 2.08 -7.56	30.37 2.04 -9.06	41.15 1.93 -19.91	43.81 1.92 -22.45	43.18 1.85 -22.27	53.79 1.55 -36.78	57.20 1.96 -36.19	59.94 1.90 -39.43	50.92 2.39 -24.41	46.15 2.40 -18.71	35.91 1.94 -13.54	29.33 2.02 -8.09	26.86 1.80 -7.38
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	20.20 0.58 -10.92	17.63 0.60 -8.09	16.35 0.60 -6.73	15.99 0.44 -9.04	16.30 0.58 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.86 1.77 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.61 1.68 -15.88	42.61 1.35 -25.80	57.00 1.77 -36.19	56.86 1.69 -36.55	45.61 2.10 -19.39	44.92 2.05 -17.82	35.13 1.68 -13.03	28.93 1.61 -8.09	23.56 1.38 -4.50
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	20.21 0.59 -10.92	17.63 0.60 -8.09	16.35 0.60 -6.73	15.99 0.44 -9.04	16.30 0.58 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.84 1.75 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.61 1.68 -15.88	42.61 1.35 -25.80	57.00 1.77 -36.19	56.86 1.69 -36.55	45.61 2.10 -19.39	44.92 2.05 -17.82	35.13 1.68 -13.03	28.93 1.61 -8.09	23.56 1.38 -4.50
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	20.20 0.58 -10.92	17.62 0.59 -8.09	16.34 0.59 -6.73	15.99 0.44 -9.04	16.30 0.58 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.73 1.08 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.84 1.75 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.20 1.80 -11.10	34.04 1.77 -12.83	36.59 1.66 -15.88	42.59 1.33 -25.80	56.98 1.75 -36.19	56.85 1.68 -36.55	45.59 2.07 -19.39	44.89 2.03 -17.82	35.11 1.65 -13.03	28.91 1.60 -8.09	23.56 1.38 -4.50

FARRAGUT___LBMP 323566	20.19 0.57 -10.92	17.62 0.59 -8.09	16.34 0.59 -6.73	15.99 0.44 -9.04	16.29 0.58 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.23 1.59 -4.67	24.06 1.71 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.18 1.78 -11.10	34.02 1.75 -12.83	36.58 1.64 -15.88	42.58 1.31 -25.80	56.96 1.73 -36.19	56.83 1.66 -36.55	45.57 2.05 -19.39	44.87 2.00 -17.82	35.09 1.63 -13.03	28.91 1.60 -8.09	23.54 1.36 -4.50
FENNER___WINDPWR 24204	10.11 0.22 -1.20	10.04 0.21 -0.89	9.97 0.21 -0.74	7.64 0.14 -0.99	9.56 0.19 -0.78	10.03 0.20 -0.93	13.60 0.30 -0.90	16.18 0.32 -1.20	19.87 0.40 -0.51	20.01 0.41 -0.34	20.06 0.36 -0.51	20.29 0.41 -0.62	20.54 0.41 -0.87	20.83 0.42 -1.10	21.16 0.45 -1.27	21.04 0.38 -1.61	18.39 0.28 -2.65	23.18 0.48 -3.66	22.75 0.43 -3.71	26.65 0.53 -2.00	27.43 0.55 -1.84	22.29 0.43 -1.43	20.49 0.35 -0.92	18.53 0.34 -0.51
FIBERTEK___ENERGY 23856	9.84 0.00 -1.15	9.79 0.00 -0.85	9.73 0.00 -0.71	7.45 0.00 -0.95	9.33 0.00 -0.75	9.79 -0.01 -0.89	13.31 0.04 -0.86	15.79 -0.01 -1.15	19.39 -0.06 -0.49	19.55 -0.04 -0.32	19.60 -0.08 -0.49	19.83 -0.02 -0.59	20.07 -0.02 -0.82	20.36 0.02 -1.04	20.66 0.02 -1.20	20.55 -0.02 -1.51	17.99 -0.02 -2.54	22.53 -0.02 -3.50	22.11 -0.06 -3.55	26.01 0.00 -1.88	26.78 0.00 -1.74	21.78 0.00 -1.35	20.02 -0.04 -0.84	18.16 0.02 -0.46
FITZPATRICK____ 23598	9.26 -0.23 -0.79	9.29 -0.24 -0.59	9.28 -0.23 -0.49	6.99 -0.17 -0.66	8.87 -0.23 -0.52	9.27 -0.25 -0.62	12.69 -0.31 -0.59	15.03 -0.43 -0.80	18.73 -0.57 -0.34	18.91 -0.58 -0.22	18.93 -0.59 -0.34	19.11 -0.56 -0.41	19.28 -0.56 -0.57	19.49 -0.54 -0.73	19.74 -0.54 -0.84	19.55 -0.57 -1.06	16.76 -0.46 -1.76	20.87 -0.59 -2.42	20.48 -0.60 -2.46	24.72 -0.72 -1.32	25.53 -0.73 -1.22	20.78 -0.59 -0.95	19.23 -0.58 -0.58	17.54 -0.46 -0.32
FLOWRFLD_69_KV_BK1 356044	25.95 0.77 -16.48	20.02 0.80 -10.28	19.02 0.79 -9.20	16.12 0.57 -9.05	16.47 0.75 -7.13	18.29 0.78 -8.60	26.06 1.27 -12.38	30.86 1.51 -14.69	30.87 2.09 -9.82	30.53 2.20 -9.06	27.83 2.03 -6.61	28.89 2.06 -7.56	30.39 2.06 -9.06	41.36 2.14 -19.91	44.03 2.14 -22.45	43.35 2.02 -22.27	53.99 1.75 -36.78	57.46 2.23 -36.19	60.20 2.16 -39.43	51.26 2.73 -24.41	46.50 2.75 -18.71	36.18 2.21 -13.54	29.43 2.11 -8.09	26.97 1.91 -7.38
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	20.03 0.57 -10.76	17.50 0.58 -7.97	16.23 0.57 -6.63	15.84 0.42 -8.91	16.17 0.55 -7.03	17.88 0.58 -8.40	21.35 0.88 -8.06	26.48 1.00 -10.83	25.01 1.44 -4.61	23.83 1.52 -3.04	25.50 1.52 -4.80	26.73 1.54 -5.92	29.34 1.58 -8.50	31.70 1.64 -10.75	33.55 1.67 -12.43	36.09 1.60 -15.43	41.93 1.33 -25.14	55.84 1.64 -35.16	55.73 1.58 -35.54	45.03 2.00 -18.90	44.43 2.00 -17.39	34.90 1.63 -12.84	28.73 1.54 -7.97	23.48 1.36 -4.44
FORT ORANGE____ 23900	22.28 0.18 -13.40	19.05 0.19 -9.92	17.51 0.23 -8.26	17.75 0.15 -11.10	17.54 0.21 -8.75	19.56 0.20 -10.45	22.69 0.25 -10.03	28.40 0.26 -13.48	25.07 0.38 -5.73	23.43 0.39 -3.78	25.12 0.36 -5.57	26.18 0.39 -6.53	28.74 0.42 -9.06	31.19 0.37 -11.52	33.17 0.39 -13.34	36.44 0.36 -17.02	44.17 0.31 -28.40	58.17 0.38 -38.75	58.35 0.37 -39.36	46.12 0.53 -21.46	45.41 0.53 -19.84	36.84 0.43 -15.98	29.53 0.38 -9.92	23.57 0.37 -5.52
FORT_DRUM_COGEN 23780	9.31 0.03 -0.59	9.40 0.02 -0.44	9.36 -0.03 -0.36	6.96 -0.03 -0.49	8.94 -0.03 -0.38	9.33 -0.04 -0.46	12.79 -0.06 -0.44	15.19 -0.06 -0.59	19.06 -0.15 -0.25	19.22 -0.21 -0.17	19.17 -0.27 -0.25	19.36 -0.21 -0.30	19.46 -0.23 -0.42	19.53 -0.31 -0.54	19.85 -0.21 -0.62	19.59 -0.25 -0.78	16.53 -0.23 -1.30	20.84 0.00 -1.80	20.45 0.02 -1.82	25.31 0.19 -0.99	26.26 0.30 -0.92	21.30 0.16 -0.71	19.70 0.04 -0.44	17.96 0.04 -0.25
FPL FAR_ROCK_GT1 24212	25.95 0.77 -16.48	20.03 0.81 -10.28	19.02 0.79 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.30 0.79 -8.60	25.99 1.19 -12.39	30.71 1.36 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.83 2.03 -6.61	28.91 2.08 -7.56	30.37 2.04 -9.06	41.15 1.93 -19.91	43.81 1.93 -22.45	43.18 1.85 -22.27	53.77 1.53 -36.78	57.20 1.96 -36.19	59.93 1.88 -39.43	50.93 2.39 -24.41	46.15 2.40 -18.71	35.89 1.92 -13.54	29.33 2.02 -8.09	26.86 1.80 -7.38
FPL FAR_ROCK_GT2 23815	25.95 0.77 -16.48	20.03 0.81 -10.28	19.02 0.79 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.30 0.79 -8.60	25.99 1.19 -12.39	30.71 1.36 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.83 2.03 -6.61	28.91 2.08 -7.56	30.37 2.04 -9.06	41.15 1.93 -19.91	43.81 1.93 -22.45	43.18 1.85 -22.27	53.77 1.53 -36.78	57.20 1.96 -36.19	59.93 1.88 -39.43	50.93 2.39 -24.41	46.15 2.40 -18.71	35.89 1.92 -13.54	29.33 2.02 -8.09	26.86 1.80 -7.38
FRANKLIN_FALL_HYD 24054	8.38 -0.31 0.00	8.60 -0.34 0.00	8.64 -0.39 0.00	6.22 -0.29 0.00	8.23 -0.35 0.00	8.58 -0.32 0.00	11.99 -0.42 0.00	14.29 -0.37 0.00	18.43 -0.53 0.00	18.61 -0.66 0.00	18.63 -0.56 0.00	18.63 -0.64 0.00	18.65 -0.62 0.00	18.55 -0.75 0.00	18.74 -0.70 0.00	18.35 -0.71 0.00	14.88 -0.59 0.00	18.51 -0.53 0.00	18.34 -0.28 0.00	23.88 -0.24 0.00	24.71 -0.33 0.00	20.08 -0.35 0.00	18.86 -0.37 0.00	17.31 -0.37 0.00
FREEPORT_EQUS_GT1 23764	25.90 0.72 -16.48	19.98 0.76 -10.28	18.97 0.74 -9.20	16.10 0.55 -9.05	16.44 0.72 -7.13	18.24 0.74 -8.60	25.94 1.14 -12.39	30.65 1.30 -14.69	30.66 1.88 -9.82	30.29 1.97 -9.06	27.69 1.90 -6.61	28.75 1.93 -7.56	30.21 1.89 -9.06	41.15 1.93 -19.91	43.74 1.85 -22.45	43.03 1.70 -22.27	53.66 1.42 -36.78	57.05 1.81 -36.19	59.80 1.75 -39.43	50.76 2.22 -24.41	45.95 2.20 -18.71	35.92 1.94 -13.54	29.20 1.89 -8.09	26.74 1.68 -7.38
FREEPORT___CT2 23818	25.90 0.72 -16.48	19.98 0.76 -10.28	18.97 0.74 -9.20	16.10 0.55 -9.05	16.44 0.72 -7.13	18.24 0.74 -8.60	25.94 1.14 -12.39	30.65 1.30 -14.69	30.66 1.88 -9.82	30.29 1.97 -9.06	27.69 1.90 -6.61	28.75 1.93 -7.56	30.21 1.89 -9.06	41.15 1.93 -19.91	43.74 1.85 -22.45	43.03 1.70 -22.27	53.66 1.42 -36.78	57.05 1.81 -36.19	59.80 1.75 -39.43	50.76 2.22 -24.41	45.95 2.20 -18.71	35.92 1.94 -13.54	29.20 1.89 -8.09	26.74 1.68 -7.38
FRESHKLS_33_KV_LOAD 356253	20.31 0.69 -10.92	17.71 0.68 -8.09	16.42 0.67 -6.73	16.04 0.49 -9.05	16.37 0.65 -7.13	18.05 0.63 -8.52	21.58 0.99 -8.18	26.74 1.10 -10.99	25.27 1.63 -4.67	24.14 1.79 -3.09	25.98 1.88 -4.91	27.21 1.85 -6.09	29.74 1.70 -8.78	32.26 1.85 -11.10	34.10 1.83 -12.83	36.60 1.66 -15.88	42.59 1.33 -25.80	57.07 1.85 -36.18	56.96 1.79 -36.56	45.64 2.12 -19.39	44.92 2.05 -17.82	35.19 1.74 -13.03	29.02 1.71 -8.09	23.77 1.59 -4.50
FULTON COGEN____ 23766	9.50 -0.16 -0.95	9.49 -0.16 -0.71	9.46 -0.15 -0.59	7.18 -0.12 -0.79	9.05 -0.16 -0.62	9.48 -0.17 -0.74	12.94 -0.19 -0.71	15.34 -0.28 -0.96	18.99 -0.38 -0.41	19.15 -0.39 -0.27	19.19 -0.40 -0.41	19.39 -0.37 -0.49	19.61 -0.35 -0.69	19.87 -0.31 -0.87	20.14 -0.31 -1.01	19.99 -0.34 -1.27	17.30 -0.28 -2.11	21.60 -0.36 -2.92	21.20 -0.37 -2.96	25.29 -0.41 -1.57	26.09 -0.40 -1.45	21.23 -0.33 -1.12	19.60 -0.33 -0.70	17.82 -0.25 -0.39



FULTON___LFGE 323630	25.51 0.84 -15.97	21.65 0.88 -11.83	19.75 0.88 -9.84	20.37 0.64 -13.23	19.86 0.84 -10.43	22.23 0.86 -12.46	25.61 1.24 -11.96	32.04 1.32 -16.07	27.37 1.57 -6.83	25.38 1.60 -4.51	27.55 1.65 -6.71	28.98 1.77 -7.94	32.12 1.77 -11.08	35.22 1.83 -14.08	37.61 1.87 -16.30	41.74 1.98 -20.70	51.64 1.78 -34.40	68.50 2.32 -47.13	68.65 2.20 -47.84	53.04 2.94 -25.97	52.04 3.00 -23.99	41.92 2.43 -19.05	33.21 2.15 -11.83	26.12 1.86 -6.58
G.F.CEMENT___DRP 24184	22.99 0.20 -14.09	19.61 0.23 -10.43	17.92 0.22 -8.68	18.33 0.16 -11.67	17.99 0.20 -9.20	20.09 0.20 -10.99	23.37 0.41 -10.55	29.25 0.42 -14.17	25.50 0.51 -6.03	23.78 0.54 -3.98	25.62 0.59 -5.83	26.71 0.62 -6.82	29.34 0.64 -9.44	31.99 0.68 -12.01	34.10 0.74 -13.92	37.64 0.80 -17.79	45.88 0.70 -29.72	60.42 0.89 -40.49	60.61 0.86 -41.14	47.79 1.21 -22.46	47.06 1.25 -20.77	38.22 0.98 -16.80	30.52 0.87 -10.43	24.18 0.69 -5.81
GARDENVILLE___LBMP 24039	10.33 -0.05 -1.68	10.18 -0.01 -1.25	10.16 0.10 -1.04	8.00 0.10 -1.39	9.76 0.08 -1.10	10.23 0.02 -1.31	13.76 0.09 -1.26	16.14 -0.22 -1.70	19.16 -0.53 -0.72	19.34 -0.40 -0.48	19.32 -0.59 -0.73	19.66 -0.48 -0.88	19.97 -0.54 -1.24	20.46 -0.42 -1.58	20.78 -0.49 -1.82	20.82 -0.53 -2.30	18.83 -0.40 -3.76	23.45 -0.76 -5.17	22.96 -0.89 -5.24	26.02 -0.92 -2.81	26.71 -0.93 -2.59	21.78 -0.65 -2.01	19.91 -0.56 -1.25	18.21 -0.16 -0.69
GARDNVLA_35_KV_LD 355827	10.38 -0.02 -1.70	10.22 0.02 -1.26	10.21 0.14 -1.05	8.03 0.12 -1.41	9.81 0.11 -1.11	10.28 0.05 -1.32	13.82 0.14 -1.27	16.21 -0.16 -1.72	19.26 -0.44 -0.73	19.44 -0.31 -0.48	19.42 -0.50 -0.74	19.76 -0.39 -0.88	20.08 -0.44 -1.25	20.57 -0.33 -1.59	20.89 -0.39 -1.84	20.94 -0.44 -2.32	18.92 -0.34 -3.80	23.59 -0.67 -5.22	23.09 -0.82 -5.29	26.14 -0.82 -2.84	26.85 -0.80 -2.62	21.89 -0.57 -2.03	20.00 -0.48 -1.26	18.29 -0.09 -0.70
GELCKHM___115KV_LOAD 80723	9.67 -0.07 -1.04	9.65 -0.07 -0.77	9.60 -0.06 -0.64	7.32 -0.05 -0.86	9.20 -0.07 -0.68	9.65 -0.07 -0.81	13.13 -0.06 -0.78	15.57 -0.13 -1.05	19.22 -0.19 -0.45	19.39 -0.17 -0.29	19.42 -0.21 -0.45	19.65 -0.15 -0.54	19.86 -0.15 -0.75	20.14 -0.12 -0.95	20.41 -0.14 -1.10	20.27 -0.17 -1.39	17.65 -0.12 -2.31	22.05 -0.19 -3.19	21.65 -0.20 -3.24	25.65 -0.19 -1.72	26.43 -0.20 -1.59	21.52 -0.14 -1.23	19.82 -0.17 -0.76	18.00 -0.11 -0.42
GENERAL___MILLS 23808	10.36 -0.03 -1.69	10.20 0.00 -1.25	10.18 0.12 -1.04	8.01 0.10 -1.40	9.79 0.09 -1.11	10.26 0.04 -1.32	13.78 0.10 -1.27	16.18 -0.19 -1.71	19.20 -0.49 -0.73	19.38 -0.37 -0.48	19.36 -0.56 -0.73	19.70 -0.44 -0.88	20.02 -0.50 -1.25	20.51 -0.39 -1.59	20.83 -0.45 -1.84	20.88 -0.50 -2.31	18.87 -0.39 -3.79	23.52 -0.72 -5.21	23.04 -0.86 -5.28	26.09 -0.87 -2.83	26.77 -0.88 -2.61	21.84 -0.61 -2.02	19.96 -0.52 -1.25	18.25 -0.12 -0.70
GE_PLASTICS___DRP 24183	22.32 0.20 -13.42	19.09 0.21 -9.94	17.53 0.23 -8.27	17.78 0.16 -11.11	17.57 0.21 -8.77	19.59 0.22 -10.47	22.73 0.27 -10.05	28.46 0.31 -13.50	25.14 0.44 -5.74	23.50 0.44 -3.79	25.22 0.42 -5.61	26.32 0.44 -6.61	28.93 0.46 -9.20	31.29 0.29 -11.70	33.30 0.31 -13.55	36.58 0.29 -17.24	44.39 0.23 -28.69	58.51 0.23 -39.24	58.69 0.22 -39.85	46.16 0.36 -21.67	45.44 0.38 -20.03	36.75 0.31 -16.01	29.43 0.27 -9.94	23.60 0.39 -5.53
GILBOA___1 23756	19.30 0.25 -10.35	16.87 0.27 -7.66	15.67 0.27 -6.38	15.27 0.19 -8.57	15.60 0.26 -6.76	17.24 0.27 -8.07	20.54 0.39 -7.75	25.49 0.43 -10.41	24.00 0.61 -4.43	22.80 0.62 -2.92	24.24 0.61 -4.44	25.21 0.62 -5.33	27.40 0.62 -7.52	29.48 0.64 -9.54	31.12 0.64 -11.04	33.56 0.61 -13.90	38.84 0.45 -22.92	51.18 0.49 -31.65	51.17 0.48 -32.07	42.06 0.65 -17.28	41.76 0.78 -15.94	33.41 0.63 -12.34	27.48 0.60 -7.66	22.47 0.53 -4.26
GILBOA___2 23757	19.30 0.25 -10.35	16.87 0.27 -7.66	15.67 0.27 -6.38	15.27 0.19 -8.57	15.60 0.26 -6.76	17.24 0.27 -8.07	20.54 0.39 -7.75	25.49 0.43 -10.41	24.00 0.61 -4.43	22.80 0.62 -2.92	24.24 0.61 -4.44	25.21 0.62 -5.33	27.40 0.62 -7.52	29.48 0.64 -9.54	31.12 0.64 -11.04	33.56 0.61 -13.90	38.84 0.45 -22.92	51.18 0.49 -31.65	51.17 0.48 -32.07	42.06 0.65 -17.28	41.76 0.78 -15.94	33.41 0.63 -12.34	27.48 0.60 -7.66	22.47 0.53 -4.26
GILBOA___3 23758	19.30 0.25 -10.35	16.87 0.27 -7.66	15.67 0.27 -6.38	15.27 0.19 -8.57	15.60 0.26 -6.76	17.24 0.27 -8.07	20.54 0.39 -7.75	25.49 0.43 -10.41	24.00 0.61 -4.43	22.80 0.62 -2.92	24.24 0.61 -4.44	25.21 0.62 -5.33	27.40 0.62 -7.52	29.48 0.64 -9.54	31.12 0.64 -11.04	33.56 0.61 -13.90	38.84 0.45 -22.92	51.18 0.49 -31.65	51.17 0.48 -32.07	42.06 0.65 -17.28	41.76 0.78 -15.94	33.41 0.63 -12.34	27.48 0.60 -7.66	22.47 0.53 -4.26
GILBOA___4 23759	19.30 0.25 -10.35	16.87 0.27 -7.66	15.67 0.27 -6.38	15.27 0.19 -8.57	15.60 0.26 -6.76	17.24 0.27 -8.07	20.54 0.39 -7.75	25.49 0.43 -10.41	24.00 0.61 -4.43	22.80 0.62 -2.92	24.24 0.61 -4.44	25.21 0.62 -5.33	27.40 0.62 -7.52	29.48 0.64 -9.54	31.12 0.64 -11.04	33.56 0.61 -13.90	38.84 0.45 -22.92	51.18 0.49 -31.65	51.17 0.48 -32.07	42.06 0.65 -17.28	41.76 0.78 -15.94	33.41 0.63 -12.34	27.48 0.60 -7.66	22.47 0.53 -4.26
GILBOA___ 23599	19.30 0.25 -10.35	16.87 0.27 -7.66	15.67 0.27 -6.38	15.27 0.20 -8.57	15.60 0.26 -6.76	17.24 0.27 -8.07	20.54 0.38 -7.75	25.49 0.42 -10.41	24.00 0.61 -4.43	22.80 0.62 -2.92	24.24 0.61 -4.44	25.21 0.62 -5.33	27.40 0.62 -7.52	29.48 0.64 -9.54	31.12 0.64 -11.04	33.56 0.61 -13.90	38.84 0.45 -22.92	51.18 0.50 -31.64	51.15 0.47 -32.07	42.06 0.65 -17.28	41.73 0.75 -15.94	33.40 0.63 -12.34	27.48 0.60 -7.66	22.47 0.53 -4.26
GINNA___ 23603	9.59 -0.37 -1.27	9.51 -0.38 -0.94	9.48 -0.32 -0.78	7.32 -0.23 -1.05	9.09 -0.33 -0.83	9.51 -0.38 -0.99	12.87 -0.50 -0.95	15.20 -0.73 -1.28	18.52 -0.99 -0.54	18.66 -0.96 -0.36	18.70 -1.04 -0.55	18.96 -0.96 -0.65	19.24 -0.96 -0.94	19.55 -0.95 -1.19	19.90 -0.91 -1.37	19.80 -0.99 -1.73	17.52 -0.76 -2.82	21.84 -1.08 -3.89	21.42 -1.14 -3.94	24.90 -1.35 -2.12	25.62 -1.38 -1.96	20.86 -1.08 -1.52	19.14 -1.02 -0.94	17.44 -0.76 -0.52
GLEN PARK___ 23778	9.38 0.07 -0.61	9.46 0.06 -0.45	9.41 0.01 -0.38	7.00 -0.01 -0.51	8.98 0.00 -0.40	9.38 0.00 -0.48	12.87 0.00 -0.46	15.27 0.00 -0.61	19.13 -0.09 -0.26	19.28 -0.15 -0.17	19.22 -0.23 -0.26	19.42 -0.15 -0.31	19.53 -0.17 -0.44	19.61 -0.25 -0.56	19.93 -0.16 -0.65	19.68 -0.19 -0.81	16.63 -0.18 -1.35	21.00 0.10 -1.87	20.60 0.09 -1.89	25.48 0.34 -1.02	26.43 0.45 -0.94	21.42 0.26 -0.73	19.82 0.14 -0.46	18.06 0.12 -0.25
GLENDALE_27_KV_LOAD 356172	20.25 0.63 -10.92	17.67 0.64 -8.09	16.39 0.64 -6.73	16.02 0.47 -9.05	16.35 0.63 -7.13	18.05 0.62 -8.52	21.59 1.01 -8.18	26.78 1.14 -10.99	25.32 1.69 -4.67	24.18 1.83 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.89 1.85 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.71 1.77 -15.88	42.69 1.42 -25.80	57.16 1.92 -36.20	57.01 1.84 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.82	35.24 1.78 -13.03	29.06 1.75 -8.09	23.67 1.49 -4.50

GLENWOOD_IC_1_G5 23712	25.83 0.66 -16.48	19.90 0.68 -10.28	18.90 0.68 -9.20	16.04 0.49 -9.05	16.36 0.64 -7.13	18.18 0.68 -8.60	25.84 1.04 -12.38	30.55 1.20 -14.69	30.53 1.74 -9.82	30.18 1.85 -9.06	27.64 1.84 -6.61	28.71 1.89 -7.56	30.18 1.85 -9.06	41.15 1.93 -19.91	43.79 1.91 -22.45	43.14 1.81 -22.27	53.74 1.50 -36.78	57.12 1.89 -36.19	59.87 1.82 -39.43	50.80 2.27 -24.41	46.02 2.28 -18.71	35.83 1.86 -13.54	29.06 1.75 -8.09	26.60 1.54 -7.38
GLENWOOD_IC_2_G1 23688	25.79 0.62 -16.48	19.87 0.64 -10.28	18.85 0.62 -9.20	16.02 0.47 -9.05	16.33 0.61 -7.13	18.13 0.62 -8.60	25.78 0.98 -12.39	30.48 1.13 -14.69	30.41 1.63 -9.82	30.06 1.73 -9.06	27.52 1.73 -6.61	28.58 1.75 -7.56	30.06 1.73 -9.06	41.02 1.80 -19.91	43.66 1.77 -22.45	43.01 1.68 -22.27	53.62 1.38 -36.78	56.99 1.75 -36.19	59.72 1.68 -39.43	50.66 2.12 -24.41	45.85 2.10 -18.71	35.69 1.72 -13.54	28.95 1.63 -8.09	26.49 1.43 -7.38
GLENWOOD_IC_3_G1 23689	25.79 0.62 -16.48	19.87 0.64 -10.28	18.85 0.62 -9.20	16.02 0.47 -9.05	16.33 0.61 -7.13	18.13 0.62 -8.60	25.78 0.98 -12.39	30.48 1.13 -14.69	30.41 1.63 -9.82	30.06 1.73 -9.06	27.52 1.73 -6.61	28.58 1.75 -7.56	30.06 1.73 -9.06	41.02 1.80 -19.91	43.66 1.77 -22.45	43.01 1.68 -22.27	53.62 1.38 -36.78	56.99 1.75 -36.19	59.72 1.68 -39.43	50.66 2.12 -24.41	45.85 2.10 -18.71	35.69 1.72 -13.54	28.95 1.63 -8.09	26.49 1.43 -7.38
GLENWOOD___4 23550	25.83 0.66 -16.48	19.90 0.68 -10.28	18.90 0.68 -9.20	16.04 0.49 -9.05	16.36 0.64 -7.13	18.18 0.68 -8.60	25.84 1.04 -12.38	30.55 1.20 -14.69	30.53 1.74 -9.82	30.18 1.85 -9.06	27.64 1.84 -6.61	28.71 1.89 -7.56	30.18 1.85 -9.06	41.15 1.93 -19.91	43.79 1.91 -22.45	43.14 1.81 -22.27	53.74 1.50 -36.78	57.12 1.89 -36.19	59.87 1.82 -39.43	50.80 2.27 -24.41	46.02 2.28 -18.71	35.83 1.86 -13.54	29.06 1.75 -8.09	26.60 1.54 -7.38
GLENWOOD___5 23614	25.83 0.66 -16.48	19.90 0.68 -10.28	18.90 0.68 -9.20	16.04 0.49 -9.05	16.36 0.64 -7.13	18.18 0.68 -8.60	25.84 1.04 -12.38	30.55 1.20 -14.69	30.53 1.74 -9.82	30.18 1.85 -9.06	27.64 1.84 -6.61	28.71 1.89 -7.56	30.18 1.85 -9.06	41.15 1.93 -19.91	43.79 1.91 -22.45	43.14 1.81 -22.27	53.74 1.50 -36.78	57.12 1.89 -36.19	59.87 1.82 -39.43	50.80 2.27 -24.41	46.02 2.28 -18.71	35.83 1.86 -13.54	29.06 1.75 -8.09	26.60 1.54 -7.38
GLOBAL GREEN_PORT_GT1 23814	26.15 0.97 -16.48	20.21 0.98 -10.28	19.21 0.98 -9.20	16.28 0.73 -9.05	16.66 0.94 -7.13	18.48 0.97 -8.60	26.36 1.56 -12.39	31.24 1.89 -14.69	31.25 2.46 -9.82	30.91 2.58 -9.06	28.31 2.51 -6.61	29.39 2.56 -7.56	30.85 2.52 -9.06	41.90 2.68 -19.91	44.55 2.66 -22.45	43.89 2.55 -22.27	54.47 2.23 -36.78	58.09 2.86 -36.19	60.86 2.81 -39.43	52.13 3.60 -24.41	47.38 3.63 -18.71	36.84 2.86 -13.55	30.05 2.73 -8.09	27.44 2.39 -7.38
GLOBE___DSASP 323697	9.99 -0.29 -1.58	9.85 -0.26 -1.17	9.87 -0.13 -0.97	7.74 -0.07 -1.31	9.48 -0.14 -1.03	9.89 -0.24 -1.23	13.29 -0.30 -1.18	15.48 -0.76 -1.59	18.44 -1.19 -0.67	18.59 -1.12 -0.45	18.60 -1.27 -0.68	18.90 -1.18 -0.81	19.19 -1.23 -1.16	19.64 -1.14 -1.48	19.90 -1.24 -1.71	19.91 -1.30 -2.15	17.95 -1.00 -3.49	22.36 -1.50 -4.82	21.94 -1.56 -4.89	24.90 -1.86 -2.63	25.59 -1.88 -2.43	20.92 -1.39 -1.88	19.18 -1.21 -1.16	17.64 -0.69 -0.65
GOETHSLN___LBMP 323567	20.16 0.54 -10.92	17.58 0.55 -8.09	16.30 0.54 -6.73	15.96 0.41 -9.04	16.26 0.54 -7.13	17.97 0.55 -8.52	21.47 0.88 -8.18	26.65 1.01 -10.99	25.15 1.52 -4.67	23.99 1.64 -3.09	25.75 1.65 -4.91	27.02 1.66 -6.09	29.66 1.62 -8.78	32.10 1.70 -11.10	33.93 1.65 -12.83	36.48 1.54 -15.88	42.50 1.24 -25.80	56.87 1.64 -36.19	56.73 1.56 -36.55	45.42 1.91 -19.39	44.74 1.88 -17.82	34.99 1.53 -13.03	28.81 1.50 -8.09	23.45 1.27 -4.50
GOLAH___69_KV_TB 1_2 80279	10.08 0.06 -1.32	10.01 0.09 -0.98	10.01 0.17 -0.82	7.72 0.12 -1.10	9.58 0.13 -0.86	10.01 0.07 -1.03	13.50 0.10 -0.99	15.94 -0.03 -1.32	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.56 -0.19 -0.56	19.82 -0.12 -0.67	20.11 -0.12 -0.96	20.37 -0.15 -1.22	20.72 -0.14 -1.41	20.60 -0.23 -1.78	18.19 -0.17 -2.90	22.58 -0.51 -4.05	22.13 -0.60 -4.11	25.72 -0.60 -2.20	26.49 -0.58 -2.03	21.66 -0.35 -1.57	19.89 -0.31 -0.98	18.17 -0.05 -0.54
GOODYEAR_LAKE_HYD 323669	10.98 0.40 -1.88	10.76 0.42 -1.40	10.60 0.42 -1.16	8.36 0.29 -1.56	10.20 0.39 -1.23	10.78 0.41 -1.47	14.47 0.65 -1.41	17.28 0.73 -1.90	20.72 0.95 -0.81	20.78 0.98 -0.53	20.92 0.92 -0.81	21.22 0.98 -0.97	21.62 0.98 -1.37	22.07 1.02 -1.74	22.48 1.03 -2.01	22.58 0.99 -2.53	20.40 0.76 -4.18	25.79 0.99 -5.76	25.39 0.93 -5.84	28.55 1.28 -3.14	29.34 1.40 -2.90	23.82 1.14 -2.24	21.66 1.04 -1.39	19.41 0.95 -0.78
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	11.90 0.16 -3.05	11.37 0.17 -2.26	11.09 0.19 -1.88	9.17 0.14 -2.52	10.76 0.18 -1.99	11.45 0.17 -2.38	14.98 0.29 -2.28	17.97 0.25 -3.07	20.55 0.28 -1.31	20.44 0.31 -0.86	20.75 0.25 -1.31	21.15 0.31 -1.57	21.75 0.27 -2.22	22.47 0.35 -2.82	23.03 0.33 -3.26	23.43 0.27 -4.10	22.44 0.22 -6.76	28.55 0.19 -9.32	28.23 0.17 -9.45	29.50 0.29 -5.08	30.05 0.33 -4.69	24.37 0.31 -3.63	21.75 0.27 -2.25	19.29 0.35 -1.25
GOUDEY___7 23579	11.91 0.17 -3.05	11.38 0.18 -2.26	11.10 0.20 -1.88	9.17 0.14 -2.52	10.76 0.18 -1.99	11.46 0.18 -2.38	14.99 0.30 -2.28	17.99 0.26 -3.07	20.57 0.30 -1.31	20.45 0.33 -0.86	20.76 0.27 -1.31	21.17 0.33 -1.57	21.77 0.29 -2.22	22.49 0.37 -2.82	23.05 0.35 -3.26	23.45 0.29 -4.10	22.45 0.23 -6.76	28.59 0.23 -9.32	28.25 0.19 -9.45	29.54 0.34 -5.08	30.08 0.35 -4.69	24.39 0.33 -3.63	21.77 0.29 -2.25	19.31 0.37 -1.25
GOUDEY___8 23580	11.90 0.16 -3.05	11.37 0.17 -2.26	11.09 0.19 -1.88	9.17 0.14 -2.52	10.76 0.18 -1.99	11.45 0.17 -2.38	14.98 0.29 -2.28	17.97 0.25 -3.07	20.55 0.28 -1.31	20.44 0.31 -0.86	20.75 0.25 -1.31	21.15 0.31 -1.57	21.75 0.27 -2.22	22.47 0.35 -2.82	23.03 0.33 -3.26	23.43 0.27 -4.10	22.44 0.22 -6.76	28.55 0.19 -9.32	28.23 0.17 -9.45	29.50 0.29 -5.08	30.05 0.33 -4.69	24.37 0.31 -3.63	21.75 0.27 -2.25	19.29 0.35 -1.25
GOWANUS_GT1_1 24077	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT1_2 24078	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50

GOWANUS_GT1_3 24079	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT1_4 24080	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT1_5 24084	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT1_6 24111	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT1_7 24112	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT1_8 24113	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT2_1 24114	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4

GOWANUS_GT3_2 24123	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT3_3 24124	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT3_4 24125	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT3_5 24126	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT3_6 24127	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT3_7 24128	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GOWANUS_GT3_8 24129	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4

GREENBSH_115KV_TB3 55895	22.33 0.16 -13.48	19.08 0.16 -9.98	17.53 0.20 -8.31	17.80 0.13 -11.16	17.57 0.18 -8.80	19.60 0.18 -10.51	22.70 0.20 -10.09	28.43 0.22 -13.56	25.05 0.32 -5.77	23.40 0.33 -3.81	25.10 0.33 -5.59	26.14 0.33 -6.55	28.68 0.35 -9.07	31.13 0.29 -11.53	33.11 0.31 -13.36	36.41 0.29 -17.06	44.20 0.25 -28.49	58.17 0.29 -38.84	58.34 0.26 -39.46	46.04 0.39 -21.53	45.32 0.38 -19.91	36.81 0.31 -16.08	29.50 0.29 -9.98	23.52 0.28 -5.55
GREENDGE_115KV_TB5 80291	10.84 0.17 -1.97	10.59 0.19 -1.46	10.46 0.23 -1.21	8.30 0.16 -1.63	10.08 0.21 -1.29	10.64 0.20 -1.54	14.26 0.37 -1.47	16.91 0.28 -1.98	20.09 0.28 -0.84	20.13 0.31 -0.56	20.26 0.23 -0.85	20.61 0.33 -1.02	21.06 0.33 -1.47	21.57 0.41 -1.86	21.98 0.39 -2.15	22.09 0.32 -2.71	20.06 0.23 -4.36	25.25 0.19 -6.02	24.87 0.15 -6.10	27.78 0.39 -3.27	28.46 0.40 -3.02	23.10 0.33 -2.34	20.95 0.27 -1.45	18.88 0.39 -0.81
GREENIDGE___3 23582	10.84 0.17 -1.97	10.59 0.19 -1.46	10.46 0.23 -1.21	8.30 0.16 -1.63	10.08 0.21 -1.29	10.64 0.20 -1.54	14.26 0.37 -1.47	16.91 0.28 -1.98	20.09 0.28 -0.84	20.13 0.31 -0.56	20.26 0.23 -0.85	20.61 0.33 -1.02	21.06 0.33 -1.47	21.57 0.41 -1.86	21.98 0.39 -2.15	22.09 0.32 -2.71	20.06 0.23 -4.36	25.25 0.19 -6.02	24.87 0.15 -6.10	27.78 0.39 -3.27	28.46 0.40 -3.02	23.10 0.33 -2.34	20.95 0.27 -1.45	18.88 0.39 -0.81
GREENIDGE___4 23583	10.84 0.17 -1.97	10.58 0.18 -1.46	10.46 0.23 -1.21	8.29 0.16 -1.63	10.08 0.21 -1.29	10.64 0.20 -1.54	14.26 0.37 -1.47	16.91 0.28 -1.98	20.09 0.28 -0.84	20.13 0.31 -0.56	20.26 0.23 -0.84	20.61 0.33 -1.01	21.06 0.33 -1.47	21.57 0.41 -1.86	21.98 0.39 -2.15	22.07 0.30 -2.71	20.04 0.22 -4.36	25.25 0.19 -6.02	24.89 0.17 -6.10	27.80 0.38 -3.29	28.47 0.40 -3.03	23.11 0.33 -2.35	20.93 0.25 -1.45	18.88 0.39 -0.81
GREENLWN_69_KV_BK 3 55738	25.93 0.76 -16.48	20.00 0.78 -10.28	19.00 0.78 -9.20	16.11 0.56 -9.05	16.45 0.73 -7.13	18.28 0.77 -8.60	26.00 1.20 -12.38	30.74 1.39 -14.69	30.76 1.97 -9.82	30.41 2.08 -9.06	27.77 1.98 -6.61	28.79 1.97 -7.56	30.27 1.95 -9.06	41.23 2.01 -19.91	43.87 1.98 -22.45	43.24 1.91 -22.27	53.80 1.56 -36.78	57.21 1.98 -36.19	59.98 1.94 -39.43	50.95 2.41 -24.41	46.17 2.43 -18.71	35.93 1.96 -13.53	29.23 1.92 -8.08	26.84 1.79 -7.38
GREENWD_138_KV_38B11_REV_LBMP_J 345004	20.25 0.63 -10.92	17.67 0.64 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.76 1.11 -10.99	25.29 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.67 1.41 -25.80	57.16 1.92 -36.20	57.03 1.86 -36.56	45.74 2.22 -19.39	45.02 2.15 -17.82	35.24 1.78 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
GRISSOM___SOLAR 323813	25.51 0.84 -15.97	21.65 0.88 -11.83	19.75 0.88 -9.84	20.37 0.64 -13.23	19.86 0.84 -10.43	22.23 0.86 -12.46	25.61 1.24 -11.96	32.04 1.32 -16.07	27.37 1.57 -6.83	25.38 1.60 -4.51	27.55 1.65 -6.71	28.98 1.77 -7.94	32.12 1.77 -11.08	35.22 1.83 -14.08	37.61 1.87 -16.30	41.74 1.98 -20.70	51.64 1.78 -34.40	68.50 2.32 -47.13	68.65 2.20 -47.84	53.04 2.94 -25.97	52.04 3.00 -23.99	41.92 2.43 -19.05	33.21 2.15 -11.83	26.12 1.86 -6.58
GROVEVILLE___HYD 323602	20.03 0.57 -10.76	17.50 0.58 -7.97	16.23 0.57 -6.63	15.84 0.42 -8.91	16.17 0.55 -7.03	17.88 0.58 -8.40	21.35 0.88 -8.06	26.48 1.00 -10.83	25.01 1.44 -4.61	23.83 1.52 -3.04	25.50 1.52 -4.80	26.73 1.54 -5.92	29.34 1.58 -8.50	31.70 1.64 -10.75	33.55 1.67 -12.43	36.09 1.60 -15.43	41.93 1.33 -25.14	55.84 1.64 -35.16	55.73 1.58 -35.54	45.03 2.00 -18.90	44.43 2.00 -17.39	34.90 1.63 -12.84	28.73 1.54 -7.97	23.48 1.36 -4.44
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	9.84 0.00 -1.15	9.79 0.00 -0.85	9.73 0.00 -0.71	7.45 0.00 -0.95	9.33 0.00 -0.75	9.79 -0.01 -0.89	13.31 0.04 -0.86	15.79 -0.01 -1.15	19.39 -0.06 -0.49	19.55 -0.04 -0.32	19.60 -0.08 -0.49	19.83 -0.02 -0.59	20.07 -0.02 -0.82	20.36 0.02 -1.04	20.66 0.02 -1.20	20.55 -0.02 -1.51	17.99 -0.02 -2.54	22.53 -0.02 -3.50	22.11 -0.06 -3.55	26.01 0.00 -1.88	26.78 0.00 -1.74	21.78 0.00 -1.35	20.02 -0.04 -0.84	18.16 0.02 -0.46
HAMLTNNY_34_KV_TB 80303	9.93 0.03 -1.20	9.85 0.02 -0.89	9.79 0.03 -0.74	7.52 0.02 -1.00	9.39 0.02 -0.79	9.86 0.02 -0.94	13.41 0.10 -0.90	15.91 0.04 -1.21	19.48 0.00 -0.51	19.62 0.02 -0.34	19.70 0.00 -0.51	19.94 0.06 -0.62	20.18 0.06 -0.86	20.49 0.10 -1.09	20.80 0.10 -1.26	20.70 0.06 -1.59	18.19 0.06 -2.67	22.77 0.04 -3.69	22.35 0.00 -3.74	26.18 0.07 -1.99	26.95 0.08 -1.83	21.93 0.08 -1.42	20.14 0.04 -0.88	18.26 0.09 -0.49
HAMPSHIRE___PAPER_HYD 323593	8.76 -0.23 -0.30	8.92 -0.25 -0.22	8.92 -0.29 -0.19	6.53 -0.22 -0.25	8.50 -0.28 -0.20	8.86 -0.28 -0.24	12.23 -0.41 -0.23	14.55 -0.41 -0.30	18.48 -0.61 -0.13	18.68 -0.67 -0.09	18.64 -0.67 -0.13	18.75 -0.67 -0.16	18.81 -0.67 -0.22	18.77 -0.81 -0.28	19.04 -0.72 -0.32	18.76 -0.70 -0.40	15.54 -0.59 -0.67	19.43 -0.53 -0.92	19.09 -0.46 -0.93	24.10 -0.53 -0.50	24.95 -0.55 -0.46	20.28 -0.51 -0.36	18.92 -0.54 -0.23	17.28 -0.53 -0.13
HARDSCRABBLE_WT_PWR 323673	8.70 0.00 0.00	8.94 0.00 0.00	9.01 -0.02 0.00	6.49 -0.02 0.00	8.56 -0.03 0.00	8.88 -0.03 0.00	12.32 -0.09 0.00	14.54 -0.12 0.00	18.79 -0.17 0.00	19.11 -0.15 0.00	19.00 -0.19 0.00	19.03 -0.23 0.00	18.98 -0.29 0.00	18.94 -0.37 0.00	19.05 -0.39 0.00	18.62 -0.44 0.00	15.09 -0.37 0.00	18.66 -0.38 0.00	18.26 -0.35 0.00	23.74 -0.39 0.00	24.69 -0.35 0.00	20.25 -0.18 0.00	19.03 -0.19 0.00	17.52 -0.16 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	18.96 0.54 -9.72	16.69 0.55 -7.20	15.56 0.54 -6.00	14.96 0.40 -8.06	15.46 0.52 -6.36	17.04 0.54 -7.59	20.52 0.82 -7.29	25.40 0.95 -9.79	24.49 1.37 -4.16	23.46 1.44 -2.75	24.99 1.44 -4.36	26.15 1.48 -5.40	28.52 1.48 -7.77	30.68 1.54 -9.83	32.36 1.56 -11.36	34.60 1.47 -14.07	39.56 1.21 -22.89	52.58 1.47 -32.07	52.43 1.41 -32.40	43.11 1.79 -17.21	42.66 1.80 -15.82	33.51 1.47 -11.60	27.83 1.40 -7.21	22.93 1.24 -4.01
HARSNRAD_115KV_TB1 81005	10.14 -0.10 -1.55	10.02 -0.07 -1.15	10.02 0.05 -0.96	7.86 0.07 -1.28	9.63 0.03 -1.01	10.05 -0.06 -1.21	13.51 -0.06 -1.16	15.78 -0.45 -1.58	18.82 -0.82 -0.67	18.98 -0.73 -0.44	18.96 -0.90 -0.67	19.29 -0.79 -0.81	19.57 -0.85 -1.15	20.01 -0.75 -1.46	20.30 -0.84 -1.69	20.31 -0.88 -2.13	18.30 -0.65 -3.49	22.73 -1.07 -4.76	22.26 -1.17 -4.82	25.43 -1.28 -2.58	26.14 -1.28 -2.38	21.36 -0.92 -1.84	19.58 -0.79 -1.15	17.98 -0.34 -0.64
HARZA MOOSE___RIVER 24016	9.19 0.12 -0.37	9.33 0.12 -0.27	9.34 0.09 -0.23	6.86 0.05 -0.30	8.90 0.08 -0.24	9.28 0.09 -0.29	12.77 0.09 -0.27	15.15 0.13 -0.37	19.25 0.13 -0.16	19.48 0.12 -0.10	19.40 0.06 -0.16	19.55 0.10 -0.19	19.63 0.10 -0.26	19.64 0.00 -0.34	19.95 0.12 -0.39	19.62 0.08 -0.49	16.30 0.03 -0.81	20.39 0.23 -1.12	19.95 0.20 -1.13	25.12 0.34 -0.66	26.02 0.38 -0.61	21.17 0.27 -0.47	19.69 0.17 -0.29	17.98 0.14 -0.16

HDSNBRDG_115KV_BRDG_TB1 355580	9.71 -0.05 -1.06	9.68 -0.05 -0.79	9.63 -0.05 -0.66	7.35 -0.03 -0.88	9.23 -0.05 -0.69	9.68 -0.05 -0.83	13.17 -0.04 -0.80	15.62 -0.10 -1.07	19.27 -0.15 -0.45	19.43 -0.13 -0.30	19.47 -0.17 -0.46	19.70 -0.12 -0.55	19.92 -0.12 -0.77	20.20 -0.08 -0.97	20.49 -0.08 -1.13	20.36 -0.11 -1.42	17.73 -0.09 -2.36	22.14 -0.15 -3.25	21.75 -0.17 -3.30	25.68 -0.17 -1.72	26.48 -0.15 -1.59	21.54 -0.12 -1.23	19.85 -0.13 -0.76	18.03 -0.07 -0.42
HELLGATE_13_KV_LD 55870	20.23 0.61 -10.93	17.65 0.62 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.33 0.61 -7.13	18.03 0.61 -8.52	21.54 0.96 -8.18	26.70 1.06 -10.99	25.23 1.59 -4.67	24.07 1.71 -3.09	25.86 1.77 -4.91	27.13 1.77 -6.09	29.78 1.73 -8.78	32.24 1.83 -11.10	34.04 1.77 -12.83	36.60 1.66 -15.88	42.59 1.33 -25.80	57.03 1.79 -36.20	56.88 1.71 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.82	35.13 1.68 -13.03	28.99 1.67 -8.09	23.61 1.43 -4.50
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	20.23 0.61 -10.93	17.65 0.62 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.33 0.61 -7.13	18.03 0.61 -8.52	21.54 0.96 -8.18	26.70 1.06 -10.99	25.23 1.59 -4.67	24.07 1.71 -3.09	25.86 1.77 -4.91	27.13 1.77 -6.09	29.78 1.73 -8.78	32.24 1.83 -11.10	34.04 1.77 -12.83	36.60 1.66 -15.88	42.59 1.33 -25.80	57.03 1.79 -36.20	56.88 1.71 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.82	35.13 1.68 -13.03	28.99 1.67 -8.09	23.61 1.43 -4.50
HEMPSTEAD____ 23647	25.83 0.66 -16.48	19.90 0.68 -10.28	18.89 0.67 -9.20	16.05 0.50 -9.05	16.37 0.65 -7.13	18.17 0.67 -8.60	25.85 1.05 -12.39	30.55 1.20 -14.69	30.53 1.74 -9.82	30.18 1.85 -9.06	27.58 1.78 -6.61	28.66 1.83 -7.56	30.12 1.79 -9.06	41.07 1.85 -19.91	43.70 1.81 -22.45	43.03 1.70 -22.27	53.65 1.41 -36.78	57.03 1.79 -36.19	59.78 1.73 -39.43	50.71 2.17 -24.41	45.93 2.18 -18.71	35.77 1.80 -13.54	29.05 1.73 -8.09	26.61 1.56 -7.38
HEWLETT_69_KV_BK3 55828	25.92 0.75 -16.48	19.99 0.77 -10.28	18.99 0.77 -9.20	16.10 0.55 -9.05	16.44 0.72 -7.13	18.27 0.77 -8.60	25.95 1.15 -12.38	30.65 1.30 -14.69	30.66 1.88 -9.82	30.31 1.98 -9.06	27.73 1.94 -6.61	28.81 1.98 -7.56	30.27 1.95 -9.06	41.15 1.93 -19.91	43.79 1.91 -22.45	43.16 1.83 -22.27	53.77 1.53 -36.78	57.18 1.94 -36.19	59.92 1.88 -39.43	50.90 2.36 -24.41	46.12 2.38 -18.71	35.89 1.92 -13.54	29.24 1.92 -8.09	26.77 1.71 -7.38
HICKLING___1 23621	11.39 0.24 -2.45	11.03 0.27 -1.82	10.86 0.32 -1.51	8.77 0.23 -2.03	10.48 0.29 -1.60	11.11 0.29 -1.91	14.77 0.52 -1.84	17.58 0.45 -2.47	20.49 0.47 -1.05	20.50 0.54 -0.69	20.68 0.44 -1.05	21.05 0.52 -1.27	21.56 0.50 -1.79	22.20 0.62 -2.28	22.64 0.56 -2.63	22.87 0.50 -3.32	21.29 0.39 -5.44	26.88 0.34 -7.50	26.50 0.28 -7.60	28.74 0.53 -4.08	29.36 0.55 -3.77	23.86 0.51 -2.92	21.48 0.44 -1.81	19.29 0.60 -1.01
HICKLING___2 23622	11.39 0.24 -2.45	11.03 0.27 -1.82	10.86 0.32 -1.51	8.77 0.23 -2.03	10.48 0.29 -1.60	11.11 0.29 -1.91	14.77 0.52 -1.84	17.58 0.45 -2.47	20.49 0.47 -1.05	20.50 0.54 -0.69	20.68 0.44 -1.05	21.05 0.52 -1.27	21.56 0.50 -1.79	22.20 0.62 -2.28	22.64 0.56 -2.63	22.87 0.50 -3.32	21.29 0.39 -5.44	26.88 0.34 -7.50	26.50 0.28 -7.60	28.74 0.53 -4.08	29.36 0.55 -3.77	23.86 0.51 -2.92	21.48 0.44 -1.81	19.29 0.60 -1.01
HIGH FALLS___HY 23754	19.53 0.63 -10.20	17.13 0.64 -7.55	15.92 0.61 -6.29	15.41 0.46 -8.45	15.85 0.60 -6.66	17.49 0.63 -7.96	20.98 0.93 -7.64	26.00 1.08 -10.26	24.88 1.55 -4.36	23.78 1.64 -2.88	25.27 1.59 -4.49	26.40 1.64 -5.50	28.79 1.68 -7.85	31.08 1.83 -9.94	32.63 1.69 -11.49	34.97 1.58 -14.33	40.21 1.31 -23.43	53.36 1.68 -32.64	53.25 1.62 -33.02	43.81 2.05 -17.63	43.47 2.20 -16.23	34.37 1.78 -12.16	28.47 1.69 -7.55	23.33 1.45 -4.20
HILLBURN___GT 23639	19.13 0.55 -9.88	16.82 0.55 -7.32	15.66 0.54 -6.09	15.09 0.40 -8.19	15.57 0.52 -6.46	17.16 0.54 -7.71	20.63 0.82 -7.40	25.54 0.94 -9.94	24.56 1.37 -4.23	23.52 1.46 -2.79	25.08 1.46 -4.43	26.26 1.50 -5.49	28.64 1.46 -7.91	30.86 1.54 -10.01	32.53 1.52 -11.57	34.80 1.41 -14.33	39.86 1.13 -23.27	53.04 1.39 -32.61	52.86 1.30 -32.94	43.28 1.66 -17.49	42.77 1.65 -16.08	33.59 1.37 -11.79	27.88 1.33 -7.33	22.95 1.18 -4.08
HILLSIDE_115KV_TB1 80332	11.34 0.11 -2.53	10.95 0.13 -1.87	10.77 0.19 -1.56	8.74 0.14 -2.10	10.41 0.17 -1.65	11.03 0.15 -1.98	14.59 0.29 -1.90	17.38 0.18 -2.55	20.20 0.15 -1.09	20.17 0.19 -0.72	20.37 0.10 -1.09	20.75 0.17 -1.31	21.25 0.13 -1.85	21.88 0.23 -2.35	22.35 0.19 -2.72	22.61 0.13 -3.42	21.17 0.09 -5.61	26.76 -0.02 -7.74	26.37 -0.09 -7.84	28.36 0.02 -4.21	28.95 0.03 -3.89	23.54 0.10 -3.01	21.17 0.08 -1.87	18.99 0.27 -1.04
HISHELDN_WT_PWR 323625	10.47 -0.03 -1.80	10.28 0.00 -1.33	10.25 0.12 -1.11	8.10 0.10 -1.49	9.87 0.10 -1.18	10.35 0.04 -1.41	13.88 0.12 -1.35	16.32 -0.15 -1.81	19.33 -0.40 -0.77	19.49 -0.29 -0.51	19.50 -0.46 -0.77	19.83 -0.37 -0.93	20.19 -0.41 -1.33	20.68 -0.31 -1.68	21.02 -0.37 -1.95	21.07 -0.44 -2.45	19.13 -0.33 -3.99	23.93 -0.63 -5.51	23.48 -0.73 -5.59	26.41 -0.72 -3.01	27.12 -0.70 -2.78	22.07 -0.51 -2.15	20.10 -0.46 -1.33	18.35 -0.07 -0.74
HOLTSVILLE_IC_1 23690	25.93 0.76 -16.48	20.00 0.78 -10.28	18.99 0.77 -9.20	16.12 0.57 -9.05	16.46 0.74 -7.13	18.27 0.77 -8.60	26.03 1.23 -12.39	30.78 1.44 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.66 1.86 -6.61	28.71 1.89 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.81 1.93 -22.45	43.12 1.79 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.54	29.24 1.92 -8.09	26.81 1.75 -7.38
HOLTSVILLE_IC_10 23699	25.97 0.80 -16.48	20.04 0.81 -10.28	19.03 0.80 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.31 0.80 -8.60	26.10 1.30 -12.39	30.89 1.54 -14.69	30.85 2.07 -9.82	30.51 2.18 -9.06	27.81 2.01 -6.61	28.87 2.04 -7.56	30.35 2.02 -9.06	41.32 2.10 -19.91	43.99 2.10 -22.45	43.30 1.96 -22.27	53.94 1.70 -36.78	57.41 2.17 -36.19	60.15 2.10 -39.43	51.22 2.68 -24.41	46.45 2.71 -18.71	36.12 2.14 -13.55	29.40 2.08 -8.09	26.93 1.87 -7.38
HOLTSVILLE_IC_2 23691	25.93 0.76 -16.48	20.00 0.78 -10.28	18.99 0.77 -9.20	16.12 0.57 -9.05	16.46 0.74 -7.13	18.27 0.77 -8.60	26.03 1.23 -12.39	30.78 1.44 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.66 1.86 -6.61	28.71 1.89 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.81 1.93 -22.45	43.12 1.79 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.54	29.24 1.92 -8.09	26.81 1.75 -7.38
HOLTSVILLE_IC_3 23692	25.93 0.76 -16.48	20.00 0.78 -10.28	18.99 0.77 -9.20	16.12 0.57 -9.05	16.46 0.74 -7.13	18.27 0.77 -8.60	26.03 1.23 -12.39	30.78 1.44 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.66 1.86 -6.61	28.71 1.89 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.81 1.93 -22.45	43.12 1.79 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.54	29.24 1.92 -8.09	26.81 1.75 -7.38

HOLTSVILLE_IC_4 23693	25.93 0.76 -16.48	20.00 0.78 -10.28	18.99 0.77 -9.20	16.12 0.57 -9.05	16.46 0.74 -7.13	18.27 0.77 -8.60	26.03 1.23 -12.39	30.78 1.44 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.66 1.86 -6.61	28.71 1.89 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.81 1.93 -22.45	43.12 1.79 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.54	29.24 1.92 -8.09	26.81 1.75 -7.38
HOLTSVILLE_IC_5 23694	25.93 0.76 -16.48	20.00 0.78 -10.28	18.99 0.77 -9.20	16.12 0.57 -9.05	16.46 0.74 -7.13	18.27 0.77 -8.60	26.03 1.23 -12.39	30.78 1.44 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.66 1.86 -6.61	28.71 1.89 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.81 1.93 -22.45	43.12 1.79 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.54	29.24 1.92 -8.09	26.81 1.75 -7.38
HOLTSVILLE_IC_6 23695	25.97 0.80 -16.48	20.04 0.81 -10.28	19.03 0.80 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.31 0.80 -8.60	26.10 1.30 -12.39	30.89 1.54 -14.69	30.85 2.07 -9.82	30.51 2.18 -9.06	27.81 2.01 -6.61	28.87 2.04 -7.56	30.35 2.02 -9.06	41.32 2.10 -19.91	43.99 2.10 -22.45	43.30 1.96 -22.27	53.94 1.70 -36.78	57.41 2.17 -36.19	60.15 2.10 -39.43	51.22 2.68 -24.41	46.45 2.71 -18.71	36.12 2.14 -13.55	29.40 2.08 -8.09	26.93 1.87 -7.38
HOLTSVILLE_IC_7 23696	25.97 0.80 -16.48	20.04 0.81 -10.28	19.03 0.80 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.31 0.80 -8.60	26.10 1.30 -12.39	30.89 1.54 -14.69	30.85 2.07 -9.82	30.51 2.18 -9.06	27.81 2.01 -6.61	28.87 2.04 -7.56	30.35 2.02 -9.06	41.32 2.10 -19.91	43.99 2.10 -22.45	43.30 1.96 -22.27	53.94 1.70 -36.78	57.41 2.17 -36.19	60.15 2.10 -39.43	51.22 2.68 -24.41	46.45 2.71 -18.71	36.12 2.14 -13.55	29.40 2.08 -8.09	26.93 1.87 -7.38
HOLTSVILLE_IC_8 23697	25.97 0.80 -16.48	20.04 0.81 -10.28	19.03 0.80 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.31 0.80 -8.60	26.10 1.30 -12.39	30.89 1.54 -14.69	30.85 2.07 -9.82	30.51 2.18 -9.06	27.81 2.01 -6.61	28.87 2.04 -7.56	30.35 2.02 -9.06	41.32 2.10 -19.91	43.99 2.10 -22.45	43.30 1.96 -22.27	53.94 1.70 -36.78	57.41 2.17 -36.19	60.15 2.10 -39.43	51.22 2.68 -24.41	46.45 2.71 -18.71	36.12 2.14 -13.55	29.40 2.08 -8.09	26.93 1.87 -7.38
HOLTSVILLE_IC_9 23698	25.97 0.80 -16.48	20.04 0.81 -10.28	19.03 0.80 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.31 0.80 -8.60	26.10 1.30 -12.39	30.89 1.54 -14.69	30.85 2.07 -9.82	30.51 2.18 -9.06	27.81 2.01 -6.61	28.87 2.04 -7.56	30.35 2.02 -9.06	41.32 2.10 -19.91	43.99 2.10 -22.45	43.30 1.96 -22.27	53.94 1.70 -36.78	57.41 2.17 -36.19	60.15 2.10 -39.43	51.22 2.68 -24.41	46.45 2.71 -18.71	36.12 2.14 -13.55	29.40 2.08 -8.09	26.93 1.87 -7.38
HOMER_HL_115KV_TB2 355744	10.58 -0.05 -1.93	10.36 -0.02 -1.43	10.29 0.07 -1.19	8.18 0.07 -1.60	9.91 0.06 -1.26	10.45 0.04 -1.51	14.02 0.16 -1.45	16.61 0.00 -1.95	19.57 -0.23 -0.83	19.73 -0.08 -0.54	19.74 -0.27 -0.82	20.08 -0.17 -0.99	20.38 -0.29 -1.40	20.95 -0.14 -1.78	21.26 -0.23 -2.05	21.36 -0.29 -2.59	19.47 -0.23 -4.24	24.32 -0.55 -5.83	23.82 -0.71 -5.91	26.62 -0.68 -3.17	27.27 -0.70 -2.93	22.23 -0.47 -2.27	20.21 -0.42 -1.41	18.37 -0.09 -0.78
HOWARD_WT_PWR 323690	11.04 0.25 -2.09	10.76 0.27 -1.54	10.65 0.34 -1.28	8.48 0.25 -1.73	10.27 0.32 -1.36	10.85 0.32 -1.63	14.52 0.55 -1.56	17.18 0.43 -2.10	20.25 0.40 -0.89	20.34 0.48 -0.59	20.41 0.33 -0.89	20.76 0.42 -1.07	21.20 0.41 -1.53	21.76 0.52 -1.94	22.13 0.45 -2.24	22.24 0.36 -2.82	20.36 0.28 -4.62	25.65 0.23 -6.38	25.25 0.17 -6.46	28.04 0.43 -3.48	28.70 0.45 -3.21	23.33 0.41 -2.49	21.09 0.33 -1.53	19.10 0.57 -0.85
HQ_GEN_CEDARS 23644	8.52 -0.18 0.00	8.75 -0.20 0.00	8.80 -0.23 0.00	6.34 -0.17 0.00	8.37 -0.21 0.00	8.70 -0.20 0.00	12.04 -0.37 0.00	14.33 -0.32 0.00	18.47 -0.49 0.00	18.73 -0.54 0.00	18.71 -0.48 0.00	18.75 -0.52 0.00	18.75 -0.52 0.00	18.69 -0.62 0.00	18.84 -0.60 0.00	18.49 -0.57 0.00	15.00 -0.46 0.00	18.55 -0.50 0.00	18.23 -0.39 0.00	23.59 -0.53 0.00	24.41 -0.63 0.00	19.90 -0.53 0.00	18.73 -0.50 0.00	17.19 -0.50 0.00
HQ_GEN_CEDARS_PROXY 323590	8.51 -0.18 0.00	8.75 -0.20 0.00	8.80 -0.23 0.00	6.34 -0.17 0.00	8.37 -0.21 0.00	8.70 -0.20 0.00	12.06 -0.35 0.00	14.33 -0.32 0.00	18.47 -0.49 0.00	18.71 -0.56 0.00	18.71 -0.48 0.00	18.75 -0.52 0.00	18.75 -0.52 0.00	18.69 -0.62 0.00	18.84 -0.60 0.00	18.50 -0.55 0.00	15.21 -0.45 -0.19	18.35 -0.50 0.19	18.22 -0.39 0.00	23.59 -0.53 0.00	24.41 -0.63 0.00	19.90 -0.53 0.00	18.73 -0.50 0.00	17.19 -0.49 0.00
HQ_GEN_IMPORT 323601	8.54 -0.16 0.00	8.78 -0.16 0.00	8.85 -0.17 0.00	6.38 -0.12 0.00	8.43 -0.15 0.00	8.75 -0.15 0.00	12.15 -0.26 0.00	14.41 -0.25 0.00	18.60 -0.36 0.00	18.88 -0.39 0.00	18.84 -0.34 0.00	18.88 -0.39 0.00	18.88 -0.39 0.00	18.88 -0.42 0.00	19.03 -0.41 0.00	18.70 -0.36 0.00	15.36 -0.29 -0.19	18.50 -0.34 0.19	18.32 -0.30 0.00	23.69 -0.43 0.00	24.56 -0.48 0.00	20.04 -0.39 0.00	18.88 -0.35 0.00	17.33 -0.35 0.00
HQ_GEN_WHEEL 23651	8.54 -0.16 0.00	8.78 -0.16 0.00	8.85 -0.17 0.00	6.38 -0.12 0.00	8.43 -0.15 0.00	8.75 -0.15 0.00	12.15 -0.26 0.00	14.41 -0.25 0.00	18.60 -0.36 0.00	18.88 -0.39 0.00	18.84 -0.34 0.00	18.88 -0.39 0.00	18.88 -0.39 0.00	18.88 -0.42 0.00	19.03 -0.41 0.00	18.70 -0.36 0.00	15.36 -0.29 -0.19	18.50 -0.34 0.19	18.32 -0.30 0.00	23.69 -0.43 0.00	24.56 -0.48 0.00	20.04 -0.39 0.00	18.88 -0.35 0.00	17.33 -0.35 0.00
HUDSON_AVE_GT_3 23810	20.20 0.58 -10.92	17.64 0.61 -8.09	16.34 0.59 -6.73	15.99 0.44 -9.05	16.30 0.58 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.22 1.81 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.59 1.33 -25.80	56.98 1.75 -36.19	56.85 1.68 -36.56	45.62 2.10 -19.39	44.92 2.05 -17.83	35.14 1.68 -13.03	28.93 1.62 -8.09	23.56 1.38 -4.50
HUDSON_AVE_GT_4 23540	20.20 0.58 -10.92	17.64 0.61 -8.09	16.34 0.59 -6.73	15.99 0.44 -9.05	16.30 0.58 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.22 1.81 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.59 1.33 -25.80	56.98 1.75 -36.19	56.85 1.68 -36.56	45.62 2.10 -19.39	44.92 2.05 -17.83	35.14 1.68 -13.03	28.93 1.62 -8.09	23.56 1.38 -4.50
HUDSON_AVE_GT_5 23657	20.20 0.58 -10.92	17.64 0.61 -8.09	16.34 0.59 -6.73	15.99 0.44 -9.05	16.30 0.58 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.22 1.81 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.59 1.33 -25.80	56.98 1.75 -36.19	56.85 1.68 -36.56	45.62 2.10 -19.39	44.92 2.05 -17.83	35.14 1.68 -13.03	28.93 1.62 -8.09	23.56 1.38 -4.50

HUDSON_AVE_10 24168	20.18 0.57 -10.92	17.60 0.57 -8.09	16.32 0.57 -6.73	15.97 0.42 -9.04	16.28 0.56 -7.13	18.00 0.58 -8.52	21.53 0.94 -8.18	26.73 1.08 -10.99	25.25 1.61 -4.67	24.08 1.73 -3.09	25.82 1.73 -4.91	27.09 1.73 -6.09	29.76 1.71 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.96 1.73 -36.19	56.83 1.66 -36.55	45.57 2.05 -19.39	44.87 2.00 -17.82	35.09 1.63 -13.03	28.93 1.61 -8.09	23.54 1.36 -4.50
HUDSON___115KV_TB 4 355613	21.99 0.23 -13.06	18.87 0.25 -9.67	17.34 0.27 -8.05	17.51 0.19 -10.82	17.36 0.25 -8.53	19.35 0.26 -10.19	22.54 0.35 -9.78	28.17 0.38 -13.14	25.04 0.49 -5.59	23.44 0.48 -3.69	25.12 0.46 -5.47	26.23 0.50 -6.46	28.90 0.64 -9.00	31.29 0.54 -11.44	33.30 0.60 -13.25	36.42 0.51 -16.85	43.96 0.48 -28.02	57.96 0.57 -38.35	58.13 0.58 -38.93	46.15 0.87 -21.16	45.47 0.88 -19.55	36.68 0.67 -15.58	29.47 0.58 -9.67	23.65 0.58 -5.38
HUNTER MOUNT___DRP 323613	21.51 0.21 -12.60	18.50 0.22 -9.33	17.03 0.24 -7.77	17.10 0.16 -10.44	17.04 0.22 -8.23	18.97 0.24 -9.83	22.18 0.34 -9.43	27.68 0.35 -12.68	24.79 0.44 -5.39	23.25 0.42 -3.56	24.90 0.38 -5.33	26.01 0.40 -6.34	28.79 0.66 -8.87	31.07 0.50 -11.26	33.08 0.60 -13.04	36.01 0.44 -16.51	43.27 0.43 -27.38	57.14 0.50 -37.60	57.30 0.54 -38.15	45.63 0.84 -20.66	44.99 0.88 -19.08	36.12 0.65 -15.03	29.10 0.54 -9.33	23.46 0.58 -5.19
HUNTINGTON_RES_REC 323705	25.95 0.77 -16.48	20.02 0.80 -10.28	19.01 0.78 -9.20	16.13 0.58 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.05 1.25 -12.39	30.81 1.47 -14.69	30.81 2.03 -9.82	30.47 2.14 -9.06	27.79 2.00 -6.61	28.83 2.00 -7.56	30.31 1.98 -9.06	41.29 2.07 -19.91	43.93 2.04 -22.45	43.30 1.96 -22.27	53.90 1.66 -36.78	57.35 2.11 -36.19	60.08 2.03 -39.43	51.12 2.58 -24.41	46.35 2.60 -18.71	36.03 2.06 -13.54	29.33 2.02 -8.08	26.91 1.86 -7.38
HUNTLEY___63 23557	10.23 -0.07 -1.60	10.10 -0.03 -1.19	10.10 0.09 -0.99	7.92 0.09 -1.33	9.70 0.07 -1.05	10.15 0.00 -1.25	13.64 0.02 -1.20	15.96 -0.32 -1.62	18.99 -0.66 -0.69	19.18 -0.54 -0.46	19.13 -0.75 -0.70	19.46 -0.64 -0.83	19.76 -0.69 -1.19	20.23 -0.58 -1.50	20.52 -0.66 -1.74	20.54 -0.71 -2.19	18.53 -0.53 -3.59	23.03 -0.93 -4.92	22.56 -1.04 -4.98	25.69 -1.11 -2.67	26.38 -1.13 -2.46	21.52 -0.82 -1.91	19.74 -0.67 -1.18	18.09 -0.25 -0.66
HUNTLEY___64 23558	10.23 -0.07 -1.60	10.10 -0.03 -1.19	10.10 0.09 -0.99	7.92 0.09 -1.33	9.70 0.07 -1.05	10.15 0.00 -1.25	13.64 0.02 -1.20	15.96 -0.32 -1.62	18.99 -0.66 -0.69	19.18 -0.54 -0.46	19.13 -0.75 -0.70	19.46 -0.64 -0.83	19.76 -0.69 -1.19	20.23 -0.58 -1.50	20.52 -0.66 -1.74	20.54 -0.71 -2.19	18.53 -0.53 -3.59	23.03 -0.93 -4.92	22.56 -1.04 -4.98	25.69 -1.11 -2.67	26.38 -1.13 -2.46	21.52 -0.82 -1.91	19.74 -0.67 -1.18	18.09 -0.25 -0.66
HUNTLEY___65 23559	10.23 -0.07 -1.60	10.10 -0.03 -1.19	10.10 0.09 -0.99	7.92 0.09 -1.33	9.70 0.07 -1.05	10.15 0.00 -1.25	13.64 0.02 -1.20	15.96 -0.32 -1.62	18.99 -0.66 -0.69	19.18 -0.54 -0.46	19.13 -0.75 -0.70	19.46 -0.64 -0.83	19.76 -0.69 -1.19	20.23 -0.58 -1.50	20.52 -0.66 -1.74	20.54 -0.71 -2.19	18.53 -0.53 -3.59	23.03 -0.93 -4.92	22.56 -1.04 -4.98	25.69 -1.11 -2.67	26.38 -1.13 -2.46	21.52 -0.82 -1.91	19.74 -0.67 -1.18	18.09 -0.25 -0.66
HUNTLEY___66 23560	10.23 -0.07 -1.60	10.10 -0.03 -1.19	10.10 0.09 -0.99	7.92 0.09 -1.33	9.70 0.07 -1.05	10.15 0.00 -1.25	13.64 0.02 -1.20	15.96 -0.32 -1.62	18.99 -0.66 -0.69	19.18 -0.54 -0.46	19.13 -0.75 -0.70	19.46 -0.64 -0.83	19.76 -0.69 -1.19	20.23 -0.58 -1.50	20.52 -0.66 -1.74	20.54 -0.71 -2.19	18.53 -0.53 -3.59	23.03 -0.93 -4.92	22.56 -1.04 -4.98	25.69 -1.11 -2.67	26.38 -1.13 -2.46	21.52 -0.82 -1.91	19.74 -0.67 -1.18	18.09 -0.25 -0.66
HUNTLEY___67 23561	10.23 -0.10 -1.63	10.09 -0.06 -1.21	10.08 0.05 -1.00	7.93 0.07 -1.35	9.69 0.04 -1.06	10.13 -0.04 -1.27	13.62 -0.01 -1.22	15.92 -0.38 -1.65	18.96 -0.70 -0.70	19.11 -0.62 -0.46	19.11 -0.79 -0.70	19.44 -0.67 -0.85	19.73 -0.73 -1.20	20.21 -0.62 -1.52	20.51 -0.70 -1.76	20.54 -0.74 -2.22	18.55 -0.56 -3.64	23.07 -0.97 -5.00	22.61 -1.08 -5.07	25.66 -1.18 -2.72	26.37 -1.18 -2.51	21.54 -0.84 -1.94	19.72 -0.71 -1.21	18.07 -0.28 -0.67
HUNTLEY___68 23562	10.23 -0.10 -1.63	10.09 -0.06 -1.21	10.08 0.05 -1.00	7.93 0.07 -1.35	9.69 0.04 -1.06	10.13 -0.04 -1.27	13.62 -0.01 -1.22	15.92 -0.38 -1.65	18.96 -0.70 -0.70	19.11 -0.62 -0.46	19.11 -0.79 -0.70	19.44 -0.67 -0.85	19.73 -0.73 -1.20	20.21 -0.62 -1.52	20.51 -0.70 -1.76	20.54 -0.74 -2.22	18.55 -0.56 -3.64	23.07 -0.97 -5.00	22.61 -1.08 -5.07	25.66 -1.18 -2.72	26.37 -1.18 -2.51	21.54 -0.84 -1.94	19.72 -0.71 -1.21	18.07 -0.28 -0.67
HYLAND___LFGE 323620	10.83 0.37 -1.76	10.63 0.38 -1.30	10.56 0.45 -1.08	8.27 0.31 -1.46	10.13 0.40 -1.15	10.66 0.38 -1.37	14.37 0.64 -1.32	17.02 0.60 -1.77	20.32 0.61 -0.75	20.34 0.58 -0.50	20.25 0.31 -0.75	20.58 0.41 -0.91	20.88 0.33 -1.29	21.33 0.39 -1.63	21.72 0.39 -1.89	21.82 0.38 -2.38	19.79 0.43 -3.89	24.89 0.48 -5.37	24.55 0.48 -5.45	27.93 0.87 -2.94	28.77 1.03 -2.71	23.43 0.90 -2.10	21.37 0.84 -1.30	19.41 1.01 -0.72
INDECK___CORINTH 23802	22.87 0.04 -14.12	19.45 0.04 -10.46	17.78 0.05 -8.70	18.24 0.04 -11.70	17.85 0.04 -9.23	19.96 0.04 -11.02	23.18 0.20 -10.58	29.04 0.18 -14.21	25.21 0.21 -6.04	23.50 0.25 -3.99	25.35 0.31 -5.86	26.43 0.31 -6.86	29.09 0.33 -9.50	31.75 0.37 -12.08	33.88 0.45 -13.99	37.42 0.49 -17.87	45.76 0.45 -29.84	60.31 0.59 -40.68	60.51 0.56 -41.34	47.50 0.82 -22.56	46.72 0.83 -20.86	37.93 0.65 -16.85	30.24 0.56 -10.46	23.91 0.41 -5.82
INDECK___ILION 23567	8.72 0.03 0.00	8.97 0.03 0.00	9.04 0.02 0.00	6.51 0.01 0.00	8.59 0.01 0.00	8.91 0.01 0.00	12.41 0.00 0.00	14.64 -0.01 0.00	18.92 -0.04 0.00	19.25 -0.02 0.00	19.13 -0.06 0.00	19.21 -0.06 0.00	19.19 -0.08 0.00	19.21 -0.10 0.00	19.34 -0.10 0.00	18.92 -0.13 0.00	15.36 -0.11 0.00	18.95 -0.10 0.00	18.50 -0.11 0.00	24.03 -0.10 0.00	24.96 -0.08 0.00	20.41 -0.02 0.00	19.19 -0.04 0.00	17.66 -0.02 0.00
INDECK___OLEAN 23982	10.58 -0.05 -1.93	10.35 -0.03 -1.43	10.29 0.07 -1.19	8.17 0.07 -1.60	9.91 0.06 -1.26	10.46 0.04 -1.51	14.02 0.16 -1.45	16.60 0.00 -1.94	19.56 -0.23 -0.83	19.72 -0.10 -0.55	19.75 -0.27 -0.83	20.09 -0.17 -1.00	20.40 -0.27 -1.40	20.95 -0.13 -1.78	21.26 -0.23 -2.05	21.34 -0.31 -2.59	19.48 -0.26 -4.28	24.38 -0.57 -5.91	23.90 -0.71 -5.99	26.68 -0.68 -3.23	27.32 -0.70 -2.98	22.27 -0.47 -2.31	20.17 -0.46 -1.41	18.38 -0.09 -0.78
INDECK___OSWEGO 23783	9.45 -0.18 -0.94	9.45 -0.19 -0.69	9.42 -0.18 -0.58	7.15 -0.13 -0.77	9.02 -0.18 -0.61	9.44 -0.20 -0.73	12.88 -0.24 -0.70	15.26 -0.34 -0.94	18.91 -0.46 -0.40	19.09 -0.44 -0.26	19.11 -0.48 -0.40	19.32 -0.42 -0.48	19.52 -0.42 -0.67	19.75 -0.41 -0.86	20.02 -0.41 -0.99	19.87 -0.44 -1.25	17.18 -0.36 -2.07	21.46 -0.44 -2.86	21.05 -0.46 -2.90	25.16 -0.53 -1.56	25.95 -0.53 -1.44	21.12 -0.43 -1.12	19.49 -0.42 -0.68	17.72 -0.34 -0.38



INDECK___YERKES 23781	10.24 -0.06 -1.60	10.09 -0.04 -1.19	10.11 0.10 -0.99	7.92 0.09 -1.33	9.71 0.08 -1.05	10.16 0.01 -1.25	13.65 0.04 -1.20	15.96 -0.31 -1.61	19.00 -0.64 -0.69	19.20 -0.52 -0.45	19.15 -0.73 -0.69	19.47 -0.62 -0.83	19.80 -0.66 -1.19	20.25 -0.56 -1.50	20.54 -0.64 -1.74	20.54 -0.70 -2.19	18.49 -0.53 -3.55	23.05 -0.89 -4.90	22.56 -1.02 -4.97	25.72 -1.09 -2.68	26.43 -1.08 -2.47	21.55 -0.80 -1.91	19.72 -0.69 -1.18	18.11 -0.23 -0.66
INDIAN POINT_GT_1 24139	19.96 0.52 -10.74	17.43 0.54 -7.95	16.16 0.52 -6.62	15.79 0.39 -8.89	16.11 0.51 -7.01	17.81 0.53 -8.38	21.27 0.82 -8.04	26.40 0.94 -10.80	24.94 1.38 -4.59	23.78 1.48 -3.03	25.49 1.48 -4.82	26.77 1.52 -5.99	29.39 1.50 -8.62	31.79 1.58 -10.91	33.61 1.56 -12.61	36.13 1.47 -15.60	42.01 1.19 -25.36	56.09 1.49 -35.56	55.95 1.41 -35.92	44.97 1.79 -19.06	44.31 1.75 -17.52	34.67 1.43 -12.81	28.54 1.37 -7.95	23.31 1.20 -4.43
INDIAN POINT_GT_2 23659	19.96 0.52 -10.74	17.43 0.54 -7.95	16.16 0.52 -6.62	15.79 0.39 -8.89	16.11 0.51 -7.01	17.81 0.53 -8.38	21.27 0.82 -8.04	26.40 0.94 -10.80	24.94 1.38 -4.59	23.78 1.48 -3.03	25.49 1.48 -4.82	26.77 1.52 -5.99	29.39 1.50 -8.62	31.79 1.58 -10.91	33.61 1.56 -12.61	36.13 1.47 -15.60	42.01 1.19 -25.36	56.09 1.49 -35.56	55.95 1.41 -35.92	44.97 1.79 -19.06	44.31 1.75 -17.52	34.67 1.43 -12.81	28.54 1.37 -7.95	23.31 1.20 -4.43
INDIAN POINT_GT_3 24019	19.96 0.52 -10.74	17.43 0.54 -7.95	16.16 0.52 -6.62	15.79 0.39 -8.89	16.11 0.51 -7.01	17.81 0.53 -8.38	21.27 0.82 -8.04	26.40 0.94 -10.80	24.94 1.38 -4.59	23.78 1.48 -3.03	25.49 1.48 -4.82	26.77 1.52 -5.99	29.39 1.50 -8.62	31.79 1.58 -10.91	33.61 1.56 -12.61	36.13 1.47 -15.60	42.01 1.19 -25.36	56.09 1.49 -35.56	55.95 1.41 -35.92	44.97 1.79 -19.06	44.31 1.75 -17.52	34.67 1.43 -12.81	28.54 1.37 -7.95	23.31 1.20 -4.43
INDIAN POINT___2 23530	19.61 0.52 -10.39	17.18 0.55 -7.69	15.95 0.52 -6.40	15.50 0.40 -8.60	15.88 0.52 -6.78	17.54 0.53 -8.10	21.01 0.82 -7.78	26.06 0.95 -10.45	24.79 1.38 -4.44	23.68 1.48 -2.93	25.33 1.48 -4.66	26.57 1.52 -5.78	29.09 1.50 -8.32	31.39 1.56 -10.53	33.15 1.54 -12.17	35.57 1.45 -15.06	41.11 1.16 -24.49	54.82 1.45 -34.34	54.68 1.38 -34.69	44.27 1.74 -18.41	43.69 1.73 -16.92	34.25 1.43 -12.39	28.28 1.37 -7.69	23.16 1.20 -4.28
INDIAN POINT___3 23531	20.23 0.52 -11.01	17.63 0.54 -8.15	16.34 0.53 -6.78	16.02 0.40 -9.12	16.29 0.52 -7.19	18.02 0.53 -8.59	21.48 0.83 -8.24	26.68 0.95 -11.07	25.08 1.40 -4.71	23.86 1.48 -3.11	25.63 1.50 -4.95	26.93 1.52 -6.14	29.62 1.50 -8.85	32.08 1.58 -11.19	33.94 1.56 -12.94	36.54 1.47 -16.01	42.66 1.19 -26.01	57.03 1.50 -36.49	56.92 1.45 -36.86	45.48 1.81 -19.55	44.79 1.78 -17.97	35.01 1.45 -13.13	28.78 1.40 -8.15	23.42 1.20 -4.54
INGHAM_C_115KV_TB7 356103	8.67 -0.03 0.00	8.92 -0.03 0.00	8.99 -0.04 0.00	6.47 -0.03 0.00	8.54 -0.04 0.00	8.85 -0.05 0.00	12.29 -0.12 0.00	14.51 -0.15 0.00	18.74 -0.23 0.00	19.03 -0.23 0.00	18.92 -0.27 0.00	18.98 -0.29 0.00	18.94 -0.33 0.00	18.90 -0.41 0.00	19.01 -0.43 0.00	18.58 -0.48 0.00	15.06 -0.40 0.00	18.64 -0.40 0.00	18.23 -0.39 0.00	23.67 -0.46 0.00	24.61 -0.43 0.00	20.21 -0.22 0.00	18.98 -0.25 0.00	17.49 -0.19 0.00
IP CORINTH___1 23988	22.91 0.09 -14.12	19.52 0.12 -10.46	17.84 0.11 -8.70	18.27 0.07 -11.70	17.90 0.09 -9.23	20.01 0.09 -11.02	23.26 0.27 -10.58	29.13 0.26 -14.21	25.33 0.32 -6.04	23.60 0.35 -3.99	25.45 0.40 -5.86	26.55 0.42 -6.86	29.20 0.44 -9.50	31.87 0.48 -12.08	33.98 0.54 -13.99	37.54 0.61 -17.87	45.83 0.53 -29.84	60.43 0.70 -40.68	60.62 0.67 -41.33	47.64 0.96 -22.55	46.87 0.98 -20.86	38.03 0.76 -16.85	30.34 0.65 -10.46	24.01 0.51 -5.82
IP___TICONDEROGA 23804	23.27 0.47 -14.10	19.93 0.55 -10.44	18.24 0.52 -8.69	18.55 0.37 -11.68	18.28 0.48 -9.21	20.38 0.47 -11.00	23.88 0.91 -10.56	29.81 0.97 -14.19	26.13 1.14 -6.03	24.44 1.19 -3.98	26.35 1.32 -5.84	27.49 1.39 -6.84	30.10 1.37 -9.46	32.73 1.39 -12.04	34.92 1.54 -13.95	38.53 1.66 -17.82	46.65 1.42 -29.76	61.43 1.83 -40.56	61.56 1.73 -41.21	49.03 2.41 -22.49	48.40 2.55 -20.80	39.27 2.02 -16.82	31.48 1.81 -10.44	24.99 1.50 -5.81
ISLIP_RES_REC 323679	26.01 0.84 -16.48	20.07 0.85 -10.28	19.06 0.84 -9.20	16.17 0.62 -9.05	16.54 0.82 -7.13	18.34 0.84 -8.60	26.17 1.38 -12.39	30.97 1.63 -14.69	30.94 2.16 -9.82	30.60 2.27 -9.06	27.92 2.13 -6.61	29.00 2.18 -7.56	30.48 2.16 -9.06	41.48 2.26 -19.91	44.12 2.23 -22.45	43.43 2.10 -22.27	54.07 1.82 -36.78	57.56 2.32 -36.19	60.28 2.23 -39.43	51.38 2.85 -24.41	46.60 2.85 -18.71	36.25 2.27 -13.55	29.51 2.19 -8.10	27.04 1.98 -7.38
JAMAICA__27_KV_LOAD 355505	20.24 0.62 -10.92	17.66 0.63 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.04	16.32 0.60 -7.13	18.07 0.65 -8.52	21.66 1.07 -8.18	26.92 1.27 -10.99	25.47 1.84 -4.67	24.33 1.98 -3.09	26.00 1.90 -4.91	27.25 1.89 -6.09	29.91 1.87 -8.78	32.32 1.91 -11.10	34.16 1.89 -12.83	36.73 1.79 -15.88	42.69 1.42 -25.80	57.15 1.92 -36.19	57.01 1.84 -36.55	45.78 2.27 -19.39	45.12 2.25 -17.82	35.30 1.84 -13.03	29.14 1.83 -8.09	23.68 1.50 -4.50
JANIS___SOLAR 323808	11.72 0.46 -2.56	11.31 0.47 -1.90	11.05 0.45 -1.58	8.94 0.32 -2.12	10.68 0.42 -1.67	11.35 0.45 -2.00	15.04 0.71 -1.92	17.98 0.75 -2.58	20.91 0.85 -1.10	20.78 0.79 -0.72	20.92 0.63 -1.10	21.30 0.71 -1.32	21.80 0.67 -1.86	22.36 0.69 -2.36	22.94 0.76 -2.74	23.23 0.72 -3.45	21.72 0.59 -5.67	27.79 0.91 -7.83	27.50 0.95 -7.94	29.85 1.45 -4.28	30.54 1.55 -3.95	24.71 1.23 -3.05	22.15 1.04 -1.89	19.76 1.03 -1.05
JARVIS____ 23743	8.72 0.02 0.00	8.96 0.02 0.00	9.04 0.02 0.00	6.52 0.01 0.00	8.60 0.02 0.00	8.92 0.02 0.00	12.44 0.02 0.00	14.67 0.01 0.00	19.00 0.04 0.00	19.30 0.04 0.00	19.23 0.04 0.00	19.30 0.04 0.00	19.30 0.04 0.00	19.34 0.04 0.00	19.48 0.04 0.00	19.10 0.04 0.00	15.48 0.02 0.00	19.08 0.04 0.00	18.64 0.02 0.00	24.17 0.05 0.00	25.09 0.05 0.00	20.47 0.04 0.00	19.26 0.04 0.00	17.72 0.04 0.00
JENNISON___1 23625	12.39 0.52 -3.17	11.83 0.55 -2.35	11.49 0.51 -1.95	9.49 0.36 -2.62	11.13 0.48 -2.07	11.88 0.51 -2.47	15.54 0.76 -2.37	18.69 0.85 -3.19	21.36 1.04 -1.36	21.22 1.06 -0.90	21.47 0.92 -1.36	21.90 1.00 -1.63	22.55 0.98 -2.30	23.25 1.02 -2.92	23.89 1.07 -3.38	24.31 0.99 -4.26	23.25 0.77 -7.02	29.85 1.12 -9.68	29.51 1.08 -9.81	30.97 1.57 -5.28	31.59 1.68 -4.87	25.53 1.33 -3.77	22.74 1.17 -2.34	20.13 1.15 -1.30
JENNISON___2 23626	12.39 0.52 -3.17	11.83 0.55 -2.35	11.49 0.51 -1.95	9.49 0.36 -2.62	11.13 0.48 -2.07	11.88 0.51 -2.47	15.54 0.76 -2.37	18.69 0.85 -3.19	21.36 1.04 -1.36	21.22 1.06 -0.90	21.47 0.92 -1.36	21.90 1.00 -1.63	22.55 0.98 -2.30	23.25 1.02 -2.92	23.89 1.07 -3.38	24.31 0.99 -4.26	23.25 0.77 -7.02	29.85 1.12 -9.68	29.51 1.08 -9.81	30.97 1.57 -5.28	31.59 1.68 -4.87	25.53 1.33 -3.77	22.74 1.17 -2.34	20.13 1.15 -1.30

JERICO_RISE_WT_PWR 323719	8.33 -0.36 0.00	8.54 -0.40 0.00	8.58 -0.44 0.00	6.18 -0.33 0.00	8.19 -0.39 0.00	8.53 -0.37 0.00	11.95 -0.46 0.00	14.20 -0.45 0.00	18.34 -0.63 0.00	18.51 -0.75 0.00	18.52 -0.67 0.00	18.51 -0.75 0.00	18.53 -0.73 0.00	18.46 -0.85 0.00	18.63 -0.82 0.00	18.28 -0.78 0.00	14.81 -0.65 0.00	18.37 -0.67 0.00	18.22 -0.39 0.00	23.76 -0.36 0.00	24.61 -0.43 0.00	20.02 -0.41 0.00	18.84 -0.38 0.00	17.29 -0.39 0.00
KATONAH__115KV_46KV_TB4 355592	20.28 0.55 -11.03	17.66 0.55 -8.17	16.36 0.54 -6.80	16.04 0.40 -9.13	16.31 0.52 -7.20	18.05 0.54 -8.60	21.49 0.82 -8.26	26.70 0.95 -11.10	25.12 1.44 -4.72	23.92 1.54 -3.12	25.69 1.55 -4.95	27.03 1.62 -6.14	29.77 1.66 -8.84	32.23 1.74 -11.18	34.10 1.73 -12.93	36.72 1.66 -16.01	42.84 1.36 -26.02	57.16 1.64 -36.48	57.05 1.58 -36.85	45.63 1.95 -19.55	44.92 1.90 -17.98	35.12 1.53 -13.15	28.84 1.44 -8.17	23.50 1.27 -4.55
KCE_NY_1 323755	23.11 0.34 -14.07	19.71 0.35 -10.42	18.07 0.37 -8.67	18.42 0.26 -11.65	18.11 0.33 -9.19	20.22 0.34 -10.98	23.51 0.56 -10.54	29.42 0.62 -14.15	25.76 0.78 -6.02	24.03 0.79 -3.97	25.83 0.82 -5.82	26.90 0.83 -6.81	29.53 0.85 -9.42	32.17 0.89 -11.98	34.25 0.93 -13.88	37.75 0.95 -17.74	45.92 0.80 -29.65	60.44 1.01 -40.39	60.63 0.97 -41.04	47.86 1.33 -22.41	47.12 1.35 -20.73	38.32 1.10 -16.78	30.65 1.00 -10.42	24.33 0.85 -5.80
KCE_NY_6_ESR 323823	10.36 -0.03 -1.69	10.19 -0.01 -1.25	10.18 0.12 -1.04	8.01 0.10 -1.40	9.79 0.09 -1.11	10.27 0.04 -1.32	13.79 0.11 -1.27	16.17 -0.19 -1.70	19.21 -0.47 -0.72	19.40 -0.35 -0.48	19.38 -0.54 -0.73	19.71 -0.42 -0.87	20.04 -0.48 -1.25	20.52 -0.37 -1.59	20.85 -0.43 -1.84	20.86 -0.51 -2.31	18.83 -0.39 -3.75	23.50 -0.72 -5.18	23.03 -0.84 -5.25	26.11 -0.85 -2.83	26.80 -0.85 -2.61	21.84 -0.61 -2.02	19.92 -0.56 -1.25	18.26 -0.12 -0.70
KEDC_PORT_JEFF_GT2 24210	25.96 0.78 -16.48	20.02 0.80 -10.28	19.01 0.78 -9.20	16.14 0.59 -9.05	16.48 0.76 -7.13	18.30 0.79 -8.60	26.08 1.28 -12.39	30.84 1.50 -14.69	30.81 2.03 -9.82	30.45 2.12 -9.06	27.75 1.96 -6.61	28.83 2.00 -7.56	30.31 1.98 -9.06	41.29 2.07 -19.91	43.93 2.04 -22.45	43.26 1.92 -22.27	53.91 1.67 -36.78	57.37 2.13 -36.19	60.11 2.07 -39.43	51.17 2.63 -24.41	46.38 2.63 -18.71	36.06 2.09 -13.54	29.36 2.04 -8.09	26.90 1.84 -7.38
KEDC_PORT_JEFF_GT3 24211	25.96 0.78 -16.48	20.02 0.80 -10.28	19.01 0.78 -9.20	16.14 0.59 -9.05	16.48 0.76 -7.13	18.30 0.79 -8.60	26.08 1.28 -12.39	30.84 1.50 -14.69	30.81 2.03 -9.82	30.45 2.12 -9.06	27.75 1.96 -6.61	28.83 2.00 -7.56	30.31 1.98 -9.06	41.29 2.07 -19.91	43.93 2.04 -22.45	43.26 1.92 -22.27	53.91 1.67 -36.78	57.37 2.13 -36.19	60.11 2.07 -39.43	51.17 2.63 -24.41	46.38 2.63 -18.71	36.06 2.09 -13.54	29.36 2.04 -8.09	26.90 1.84 -7.38
KEDC_GLWD_GT4 24219	25.83 0.66 -16.48	19.91 0.69 -10.28	18.90 0.68 -9.20	16.05 0.50 -9.05	16.37 0.65 -7.13	18.18 0.68 -8.60	25.84 1.04 -12.39	30.55 1.20 -14.69	30.53 1.74 -9.82	30.18 1.85 -9.06	27.64 1.84 -6.61	28.71 1.89 -7.56	30.18 1.85 -9.06	41.15 1.93 -19.91	43.79 1.91 -22.45	43.14 1.81 -22.27	53.73 1.48 -36.78	57.12 1.89 -36.19	59.85 1.81 -39.43	50.81 2.27 -24.41	46.03 2.28 -18.71	35.83 1.86 -13.54	29.06 1.75 -8.09	26.60 1.54 -7.38
KEDC_GLWD_GT5 24220	25.83 0.66 -16.48	19.91 0.69 -10.28	18.90 0.68 -9.20	16.05 0.50 -9.05	16.37 0.65 -7.13	18.18 0.68 -8.60	25.84 1.04 -12.39	30.55 1.20 -14.69	30.53 1.74 -9.82	30.18 1.85 -9.06	27.64 1.84 -6.61	28.71 1.89 -7.56	30.18 1.85 -9.06	41.15 1.93 -19.91	43.79 1.91 -22.45	43.14 1.81 -22.27	53.73 1.48 -36.78	57.12 1.89 -36.19	59.85 1.81 -39.43	50.81 2.27 -24.41	46.03 2.28 -18.71	35.83 1.86 -13.54	29.06 1.75 -8.09	26.60 1.54 -7.38
KENSICO____ 23655	20.15 0.54 -10.91	17.57 0.55 -8.08	16.29 0.54 -6.72	15.94 0.40 -9.03	16.24 0.53 -7.13	17.97 0.55 -8.51	21.44 0.86 -8.17	26.61 0.98 -10.97	25.09 1.46 -4.67	23.89 1.54 -3.08	25.64 1.55 -4.90	26.93 1.58 -6.09	29.60 1.56 -8.77	32.03 1.64 -11.09	33.87 1.61 -12.82	36.44 1.52 -15.86	42.47 1.24 -25.77	56.75 1.56 -36.15	56.64 1.51 -36.51	45.38 1.88 -19.37	44.70 1.85 -17.80	34.96 1.51 -13.01	28.75 1.44 -8.08	23.43 1.26 -4.50
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	18.73 0.62 -9.42	16.54 0.63 -6.97	15.44 0.61 -5.80	14.75 0.45 -7.80	15.33 0.59 -6.15	16.87 0.62 -7.35	20.38 0.92 -7.05	25.18 1.06 -9.47	24.49 1.50 -4.03	23.50 1.58 -2.66	24.88 1.53 -4.16	25.95 1.58 -5.10	28.18 1.62 -7.29	30.28 1.74 -9.23	31.69 1.57 -10.68	33.86 1.51 -13.30	38.44 1.25 -21.72	50.91 1.58 -30.29	50.78 1.53 -30.63	42.42 1.95 -16.34	42.26 2.18 -15.04	33.42 1.76 -11.23	27.85 1.65 -6.97	22.99 1.43 -3.88
KIAC_JFK_GT1 23816	20.18 0.57 -10.92	17.61 0.58 -8.09	16.30 0.55 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.13	18.01 0.59 -8.52	21.58 0.99 -8.18	26.81 1.17 -10.99	25.34 1.71 -4.67	24.20 1.85 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.12 1.72 -11.10	33.95 1.67 -12.83	36.52 1.58 -15.88	42.50 1.24 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.52 2.00 -19.39	44.82 1.95 -17.83	35.05 1.59 -13.03	29.01 1.69 -8.09	23.58 1.40 -4.50
KIAC_JFK_GT2 23817	20.18 0.57 -10.92	17.61 0.58 -8.09	16.30 0.55 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.13	18.01 0.59 -8.52	21.58 0.99 -8.18	26.81 1.17 -10.99	25.34 1.71 -4.67	24.20 1.85 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.12 1.72 -11.10	33.95 1.67 -12.83	36.52 1.58 -15.88	42.50 1.24 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.52 2.00 -19.39	44.82 1.95 -17.83	35.05 1.59 -13.03	29.01 1.69 -8.09	23.58 1.40 -4.50
KIAC_JFK____ 323774	20.18 0.57 -10.92	17.61 0.58 -8.09	16.30 0.55 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.13	18.01 0.59 -8.52	21.58 0.99 -8.18	26.81 1.17 -10.99	25.34 1.71 -4.67	24.20 1.85 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.12 1.72 -11.10	33.95 1.67 -12.83	36.52 1.58 -15.88	42.50 1.24 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.52 2.00 -19.39	44.82 1.95 -17.83	35.05 1.59 -13.03	29.01 1.69 -8.09	23.58 1.40 -4.50
KINTIGH____ 23543	10.06 -0.08 -1.44	9.97 -0.04 -1.07	9.97 0.06 -0.89	7.76 0.07 -1.19	9.57 0.04 -0.94	9.98 -0.04 -1.12	13.45 -0.04 -1.08	15.76 -0.35 -1.45	18.95 -0.63 -0.62	19.11 -0.56 -0.41	19.12 -0.69 -0.62	19.43 -0.58 -0.75	19.71 -0.62 -1.06	20.11 -0.54 -1.34	20.41 -0.58 -1.55	20.37 -0.65 -1.96	18.19 -0.48 -3.20	22.62 -0.84 -4.41	22.16 -0.93 -4.47	25.48 -1.04 -2.40	26.22 -1.03 -2.21	21.43 -0.72 -1.71	19.67 -0.62 -1.06	18.04 -0.23 -0.59
KNTFSRNC_46_KV_46KV_LOAD 80397	8.49 -0.21 0.00	8.71 -0.23 0.00	8.75 -0.27 0.00	6.31 -0.20 0.00	8.37 -0.21 0.00	8.73 -0.17 0.00	12.25 -0.16 0.00	14.61 -0.04 0.00	18.83 -0.13 0.00	18.98 -0.29 0.00	19.01 -0.17 0.00	19.01 -0.25 0.00	19.01 -0.25 0.00	18.92 -0.39 0.00	19.13 -0.31 0.00	18.72 -0.34 0.00	15.00 -0.46 0.00	18.68 -0.36 0.00	18.54 -0.07 0.00	24.22 0.10 0.00	25.06 0.03 0.00	20.37 -0.06 0.00	19.13 -0.10 0.00	17.54 -0.14 0.00

LACHUTE___HYDRO 323717	23.27 0.47 -14.10	19.89 0.50 -10.44	18.24 0.52 -8.69	18.55 0.37 -11.68	18.28 0.48 -9.21	20.38 0.47 -11.00	23.88 0.91 -10.56	29.81 0.97 -14.19	26.13 1.14 -6.03	24.44 1.19 -3.98	26.35 1.32 -5.84	27.49 1.39 -6.84	30.10 1.37 -9.46	32.73 1.39 -12.04	34.92 1.54 -13.95	38.52 1.64 -17.82	46.63 1.41 -29.76	61.43 1.83 -40.56	61.56 1.73 -41.21	49.03 2.41 -22.50	48.40 2.56 -20.80	39.28 2.02 -16.82	31.48 1.81 -10.44	24.99 1.50 -5.81
LAWRNCV_115KV_TB1 80681	8.37 -0.33 0.00	8.59 -0.35 0.00	8.63 -0.40 0.00	6.21 -0.29 0.00	8.21 -0.38 0.00	8.55 -0.36 0.00	11.83 -0.58 0.00	14.10 -0.56 0.00	18.15 -0.82 0.00	18.40 -0.87 0.00	18.38 -0.81 0.00	18.42 -0.85 0.00	18.42 -0.85 0.00	18.34 -0.97 0.00	18.51 -0.93 0.00	18.14 -0.91 0.00	14.72 -0.74 0.00	18.26 -0.78 0.00	17.96 -0.65 0.00	23.28 -0.84 0.00	24.11 -0.93 0.00	19.61 -0.82 0.00	18.42 -0.81 0.00	16.90 -0.78 0.00
LEDERLE___ 23769	19.24 0.57 -9.97	16.90 0.56 -7.39	15.74 0.56 -6.15	15.19 0.42 -8.27	15.65 0.54 -6.52	17.26 0.57 -7.79	20.76 0.87 -7.48	25.71 1.01 -10.05	24.70 1.46 -4.27	23.63 1.54 -2.82	25.22 1.55 -4.48	26.39 1.58 -5.55	28.81 1.56 -7.98	31.04 1.64 -10.10	32.73 1.61 -11.67	35.02 1.51 -14.46	40.21 1.24 -23.51	53.49 1.50 -32.95	53.33 1.43 -33.28	43.60 1.81 -17.67	43.09 1.80 -16.25	33.83 1.49 -11.91	28.06 1.44 -7.39	23.07 1.27 -4.11
LIGHTHSE_115KV_TB6 355974	9.46 -0.08 -0.84	9.49 -0.08 -0.62	9.45 -0.09 -0.52	7.13 -0.07 -0.70	9.04 -0.09 -0.55	9.44 -0.12 -0.66	12.91 -0.14 -0.63	15.30 -0.21 -0.85	19.00 -0.32 -0.36	19.18 -0.33 -0.24	19.20 -0.35 -0.36	19.43 -0.27 -0.43	19.60 -0.27 -0.61	19.81 -0.27 -0.77	20.08 -0.25 -0.89	19.88 -0.30 -1.12	17.07 -0.26 -1.87	21.37 -0.25 -2.58	20.97 -0.26 -2.61	25.30 -0.22 -1.40	26.20 -0.13 -1.29	21.31 -0.12 -1.00	19.67 -0.17 -0.62	17.90 -0.12 -0.34
LINDEN COGEN___ 23786	20.15 0.53 -10.92	17.59 0.55 -8.09	16.29 0.53 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.13	17.98 0.55 -8.52	21.47 0.88 -8.18	26.64 1.00 -10.99	25.13 1.50 -4.67	23.97 1.62 -3.09	25.75 1.65 -4.91	27.02 1.66 -6.09	29.66 1.62 -8.78	32.08 1.68 -11.10	33.91 1.63 -12.83	36.48 1.54 -15.88	42.49 1.22 -25.80	56.85 1.62 -36.19	56.70 1.53 -36.56	45.42 1.91 -19.39	44.75 1.88 -17.83	34.97 1.51 -13.03	28.79 1.48 -8.09	23.45 1.27 -4.50
LINDHRST_69_KV_BK1 356055	25.95 0.77 -16.48	20.01 0.79 -10.28	19.01 0.79 -9.20	16.12 0.57 -9.05	16.47 0.75 -7.13	18.30 0.79 -8.60	26.02 1.23 -12.38	30.78 1.44 -14.69	30.79 2.01 -9.82	30.43 2.10 -9.06	27.77 1.98 -6.61	28.85 2.02 -7.56	30.31 1.98 -9.06	41.27 2.05 -19.91	43.87 1.98 -22.45	43.20 1.87 -22.27	53.85 1.61 -36.78	57.27 2.04 -36.19	60.04 1.99 -39.43	51.02 2.48 -24.41	46.25 2.50 -18.71	36.06 2.08 -13.54	29.34 2.02 -8.09	26.88 1.82 -7.38
LIPA_MISC_IPP 23656	25.90 0.72 -16.48	19.97 0.75 -10.28	18.96 0.74 -9.20	16.08 0.53 -9.05	16.42 0.70 -7.13	18.23 0.73 -8.60	25.94 1.14 -12.38	30.74 1.39 -14.69	30.68 1.90 -9.82	30.33 2.00 -9.06	27.66 1.86 -6.61	28.69 1.87 -7.56	30.19 1.87 -9.06	41.17 1.95 -19.91	43.83 1.94 -22.45	43.14 1.81 -22.27	53.85 1.61 -36.78	57.29 2.06 -36.19	60.05 2.01 -39.43	51.04 2.51 -24.41	46.27 2.53 -18.71	36.02 2.04 -13.54	29.30 1.98 -8.09	26.81 1.75 -7.38
LISF___SOLAR 323691	25.94 0.77 -16.48	20.00 0.78 -10.28	18.99 0.77 -9.20	16.12 0.57 -9.05	16.46 0.74 -7.13	18.27 0.77 -8.60	26.01 1.22 -12.39	30.80 1.45 -14.69	30.70 1.91 -9.82	30.35 2.02 -9.06	27.66 1.86 -6.61	28.71 1.89 -7.56	30.21 1.89 -9.06	41.21 1.99 -19.91	43.85 1.96 -22.45	43.18 1.85 -22.27	53.85 1.61 -36.78	57.31 2.08 -36.19	60.06 2.01 -39.43	51.09 2.56 -24.41	46.33 2.58 -18.71	36.02 2.04 -13.55	29.32 2.00 -8.09	26.83 1.77 -7.38
LITTLE FALLS___HYD 24013	8.67 -0.03 0.00	8.92 -0.03 0.00	8.99 -0.04 0.00	6.47 -0.03 0.00	8.54 -0.04 0.00	8.85 -0.05 0.00	12.29 -0.12 0.00	14.51 -0.15 0.00	18.74 -0.23 0.00	19.03 -0.23 0.00	18.92 -0.27 0.00	18.98 -0.29 0.00	18.94 -0.33 0.00	18.90 -0.41 0.00	19.01 -0.43 0.00	18.58 -0.48 0.00	15.06 -0.40 0.00	18.64 -0.40 0.00	18.23 -0.39 0.00	23.67 -0.46 0.00	24.61 -0.43 0.00	20.21 -0.22 0.00	18.98 -0.25 0.00	17.49 -0.19 0.00
LITTLRIV_115KV_TB1 356100	8.45 -0.25 0.00	8.68 -0.26 0.00	8.71 -0.32 0.00	6.26 -0.24 0.00	8.28 -0.30 0.00	8.62 -0.28 0.00	11.93 -0.48 0.00	14.21 -0.44 0.00	18.30 -0.66 0.00	18.53 -0.73 0.00	18.52 -0.67 0.00	18.53 -0.73 0.00	18.53 -0.73 0.00	18.46 -0.85 0.00	18.63 -0.82 0.00	18.26 -0.80 0.00	14.81 -0.65 0.00	18.41 -0.63 0.00	18.11 -0.50 0.00	23.50 -0.63 0.00	24.31 -0.73 0.00	19.78 -0.65 0.00	18.57 -0.65 0.00	17.03 -0.65 0.00
LI_NEWBRDGE___DRP 323616	25.83 0.66 -16.48	19.89 0.67 -10.28	18.89 0.67 -9.20	16.04 0.49 -9.05	16.35 0.64 -7.13	18.18 0.68 -8.60	25.84 1.04 -12.38	30.55 1.20 -14.69	30.53 1.74 -9.82	30.16 1.83 -9.06	27.52 1.73 -6.61	28.58 1.75 -7.56	30.04 1.71 -9.06	41.00 1.78 -19.91	43.64 1.75 -22.45	42.99 1.66 -22.27	53.63 1.39 -36.78	57.00 1.77 -36.19	59.76 1.71 -39.43	50.68 2.15 -24.41	45.87 2.13 -18.71	35.73 1.76 -13.54	29.03 1.71 -8.09	26.60 1.54 -7.38
LOCKPORT_115KV_TB60_63_64 80432	10.12 -0.11 -1.54	10.01 -0.07 -1.14	10.02 0.05 -0.95	7.84 0.07 -1.28	9.62 0.03 -1.01	10.04 -0.06 -1.20	13.49 -0.07 -1.15	15.74 -0.48 -1.57	18.80 -0.83 -0.67	18.96 -0.75 -0.44	18.94 -0.92 -0.67	19.26 -0.81 -0.81	19.54 -0.87 -1.14	19.98 -0.77 -1.45	20.27 -0.86 -1.68	20.28 -0.90 -2.12	18.25 -0.68 -3.47	22.68 -1.09 -4.72	22.21 -1.19 -4.78	25.39 -1.30 -2.56	26.10 -1.30 -2.36	21.32 -0.94 -1.83	19.57 -0.79 -1.14	17.96 -0.35 -0.63
LOCKPORT___CC1 323769	10.14 -0.10 -1.55	10.01 -0.08 -1.15	10.02 0.05 -0.96	7.85 0.07 -1.28	9.63 0.03 -1.01	10.06 -0.05 -1.21	13.51 -0.06 -1.16	15.75 -0.47 -1.56	18.81 -0.81 -0.66	18.97 -0.73 -0.44	18.95 -0.90 -0.67	19.27 -0.79 -0.80	19.57 -0.85 -1.15	20.01 -0.75 -1.46	20.30 -0.84 -1.69	20.29 -0.90 -2.13	18.23 -0.66 -3.44	22.72 -1.07 -4.74	22.25 -1.17 -4.81	25.44 -1.28 -2.59	26.15 -1.28 -2.39	21.36 -0.92 -1.85	19.54 -0.83 -1.15	17.98 -0.34 -0.64
LOCKPORT___CC2 323770	10.14 -0.10 -1.55	10.01 -0.08 -1.15	10.02 0.05 -0.96	7.85 0.07 -1.28	9.63 0.03 -1.01	10.06 -0.05 -1.21	13.51 -0.06 -1.16	15.75 -0.47 -1.56	18.81 -0.81 -0.66	18.97 -0.73 -0.44	18.95 -0.90 -0.67	19.27 -0.79 -0.80	19.57 -0.85 -1.15	20.01 -0.75 -1.46	20.30 -0.84 -1.69	20.29 -0.90 -2.13	18.23 -0.66 -3.44	22.72 -1.07 -4.74	22.25 -1.17 -4.81	25.44 -1.28 -2.59	26.15 -1.28 -2.39	21.36 -0.92 -1.85	19.54 -0.83 -1.15	17.98 -0.34 -0.64
LOCKPORT___CC3 323771	10.14 -0.10 -1.55	10.01 -0.08 -1.15	10.02 0.05 -0.96	7.85 0.07 -1.28	9.63 0.03 -1.01	10.06 -0.05 -1.21	13.51 -0.06 -1.16	15.75 -0.47 -1.56	18.81 -0.81 -0.66	18.97 -0.73 -0.44	18.95 -0.90 -0.67	19.27 -0.79 -0.80	19.57 -0.85 -1.15	20.01 -0.75 -1.46	20.30 -0.84 -1.69	20.29 -0.90 -2.13	18.23 -0.66 -3.44	22.72 -1.07 -4.74	22.25 -1.17 -4.81	25.44 -1.28 -2.59	26.15 -1.28 -2.39	21.36 -0.92 -1.85	19.54 -0.83 -1.15	17.98 -0.34 -0.64

LONG_LAKE_PHOENIX 24014	9.50 -0.16 -0.95	9.49 -0.16 -0.71	9.46 -0.15 -0.59	7.18 -0.12 -0.79	9.05 -0.16 -0.62	9.48 -0.17 -0.74	12.94 -0.19 -0.71	15.34 -0.28 -0.96	18.99 -0.38 -0.41	19.15 -0.39 -0.27	19.19 -0.40 -0.41	19.39 -0.37 -0.49	19.61 -0.35 -0.69	19.87 -0.31 -0.87	20.14 -0.31 -1.01	19.99 -0.34 -1.27	17.30 -0.28 -2.11	21.60 -0.36 -2.92	21.20 -0.37 -2.96	25.29 -0.41 -1.57	26.09 -0.40 -1.45	21.23 -0.33 -1.12	19.60 -0.33 -0.70	17.82 -0.25 -0.39
LOVETT___3 23632	19.22 0.52 -10.00	16.88 0.53 -7.41	15.72 0.52 -6.17	15.18 0.38 -8.29	15.63 0.51 -6.54	17.24 0.53 -7.81	20.72 0.82 -7.49	25.66 0.94 -10.07	24.61 1.37 -4.28	23.54 1.44 -2.83	25.13 1.46 -4.49	26.31 1.48 -5.56	28.73 1.46 -8.00	30.97 1.54 -10.12	32.64 1.50 -11.70	34.94 1.39 -14.49	40.16 1.13 -23.57	53.44 1.37 -33.03	53.29 1.30 -33.37	43.48 1.64 -17.71	42.95 1.63 -16.29	33.74 1.37 -11.94	27.98 1.35 -7.41	22.99 1.18 -4.12
LOVETT___4 23642	19.22 0.52 -10.00	16.88 0.53 -7.41	15.72 0.52 -6.17	15.18 0.38 -8.29	15.63 0.51 -6.54	17.24 0.53 -7.81	20.72 0.82 -7.49	25.66 0.94 -10.07	24.61 1.37 -4.28	23.54 1.44 -2.83	25.13 1.46 -4.49	26.31 1.48 -5.56	28.73 1.46 -8.00	30.97 1.54 -10.12	32.64 1.50 -11.70	34.94 1.39 -14.49	40.16 1.13 -23.57	53.44 1.37 -33.03	53.29 1.30 -33.37	43.48 1.64 -17.71	42.95 1.63 -16.29	33.74 1.37 -11.94	27.98 1.35 -7.41	22.99 1.18 -4.12
LOVETT___5 23593	19.22 0.52 -10.00	16.88 0.53 -7.41	15.72 0.52 -6.17	15.18 0.38 -8.29	15.63 0.51 -6.54	17.24 0.53 -7.81	20.72 0.82 -7.49	25.66 0.94 -10.07	24.61 1.37 -4.28	23.54 1.44 -2.83	25.13 1.46 -4.49	26.31 1.48 -5.56	28.73 1.46 -8.00	30.97 1.54 -10.12	32.64 1.50 -11.70	34.94 1.39 -14.49	40.16 1.13 -23.57	53.44 1.37 -33.03	53.29 1.30 -33.37	43.48 1.64 -17.71	42.95 1.63 -16.29	33.74 1.37 -11.94	27.98 1.35 -7.41	22.99 1.18 -4.12
LOWER RAQUET___HYD 24057	8.32 -0.38 0.00	8.54 -0.40 0.00	8.57 -0.45 0.00	6.17 -0.33 0.00	8.16 -0.43 0.00	8.49 -0.41 0.00	11.78 -0.63 0.00	14.02 -0.63 0.00	18.05 -0.91 0.00	18.28 -0.98 0.00	18.27 -0.92 0.00	18.30 -0.96 0.00	18.30 -0.96 0.00	18.22 -1.08 0.00	18.39 -1.05 0.00	18.05 -1.01 0.00	14.63 -0.84 0.00	18.17 -0.88 0.00	17.87 -0.75 0.00	23.18 -0.94 0.00	23.99 -1.05 0.00	19.51 -0.92 0.00	18.34 -0.88 0.00	16.81 -0.87 0.00
LOWER___HUDSON 24059	22.75 0.30 -13.75	19.43 0.30 -10.18	17.81 0.32 -8.47	18.12 0.23 -11.39	17.87 0.30 -8.98	19.93 0.30 -10.73	23.13 0.42 -10.29	28.97 0.48 -13.83	25.47 0.62 -5.88	23.76 0.62 -3.88	25.41 0.60 -5.63	26.39 0.60 -6.52	28.83 0.60 -8.97	31.35 0.62 -11.42	33.32 0.64 -13.24	36.69 0.63 -17.00	44.52 0.53 -28.53	58.39 0.65 -38.70	58.59 0.61 -39.36	46.55 0.84 -21.58	45.90 0.88 -19.98	37.57 0.73 -16.40	30.08 0.67 -10.18	23.91 0.57 -5.67
LOWVILLE_115KV_TB2 356335	9.15 0.06 -0.40	9.30 0.06 -0.29	9.29 0.03 -0.24	6.84 0.01 -0.33	8.86 0.02 -0.26	9.24 0.03 -0.31	12.71 0.00 -0.30	15.08 0.03 -0.40	19.11 -0.02 -0.17	19.32 -0.06 -0.11	19.24 -0.12 -0.17	19.39 -0.08 -0.20	19.46 -0.10 -0.29	19.42 -0.25 -0.36	19.80 -0.06 -0.42	19.49 -0.10 -0.53	16.23 -0.11 -0.87	20.34 0.10 -1.21	19.95 0.11 -1.22	25.04 0.22 -0.70	25.96 0.28 -0.64	21.09 0.16 -0.50	19.59 0.06 -0.31	17.89 0.04 -0.17
LUTHERFT_115KV_GLOB_FND_222 355753	23.11 0.34 -14.07	19.73 0.37 -10.42	18.06 0.36 -8.67	18.42 0.26 -11.65	18.11 0.33 -9.19	20.22 0.34 -10.98	23.49 0.55 -10.54	29.41 0.60 -14.15	25.76 0.78 -6.02	24.03 0.79 -3.97	25.82 0.81 -5.82	26.90 0.83 -6.81	29.53 0.85 -9.42	32.17 0.89 -11.98	34.23 0.91 -13.88	37.75 0.95 -17.74	45.92 0.80 -29.65	60.42 0.99 -40.38	60.61 0.95 -41.04	47.84 1.30 -22.41	47.12 1.35 -20.73	38.30 1.08 -16.78	30.65 1.00 -10.42	24.33 0.85 -5.80
LUTHERNY_35_KV_BK2 355980	23.11 0.34 -14.07	19.73 0.37 -10.42	18.07 0.37 -8.67	18.42 0.26 -11.65	18.11 0.33 -9.19	20.22 0.34 -10.98	23.51 0.56 -10.54	29.43 0.62 -14.15	25.76 0.78 -6.02	24.03 0.79 -3.97	25.82 0.81 -5.82	26.90 0.83 -6.81	29.53 0.85 -9.42	32.17 0.89 -11.98	34.25 0.93 -13.88	37.75 0.95 -17.74	45.92 0.80 -29.65	60.43 1.01 -40.38	60.63 0.97 -41.04	47.86 1.33 -22.41	47.12 1.35 -20.73	38.32 1.10 -16.78	30.65 1.00 -10.42	24.33 0.85 -5.80
LWR___OSWEGATCHIE_HYD 23850	8.76 -0.23 -0.30	8.92 -0.25 -0.22	8.92 -0.29 -0.19	6.53 -0.22 -0.25	8.50 -0.28 -0.20	8.86 -0.28 -0.24	12.21 -0.42 -0.23	14.55 -0.41 -0.30	18.48 -0.61 -0.13	18.68 -0.67 -0.09	18.64 -0.67 -0.13	18.75 -0.67 -0.16	18.81 -0.67 -0.22	18.77 -0.81 -0.28	19.04 -0.72 -0.32	18.73 -0.72 -0.40	15.52 -0.60 -0.66	19.42 -0.53 -0.91	19.08 -0.47 -0.92	24.11 -0.53 -0.52	24.97 -0.55 -0.48	20.29 -0.51 -0.37	18.90 -0.56 -0.23	17.28 -0.53 -0.13
LYONS_FALL_HYD 23570	9.19 0.12 -0.37	9.33 0.12 -0.27	9.34 0.09 -0.23	6.86 0.05 -0.30	8.90 0.08 -0.24	9.28 0.09 -0.29	12.78 0.10 -0.27	15.15 0.13 -0.37	19.25 0.13 -0.16	19.48 0.12 -0.10	19.40 0.06 -0.16	19.55 0.10 -0.19	19.63 0.10 -0.26	19.64 0.00 -0.34	19.95 0.12 -0.39	19.62 0.08 -0.49	16.30 0.03 -0.81	20.39 0.23 -1.12	19.97 0.22 -1.13	25.07 0.34 -0.61	25.98 0.38 -0.56	21.11 0.25 -0.44	19.67 0.15 -0.29	17.98 0.14 -0.16
MADISON___COUNTY_LFGE 323628	9.55 0.29 -0.57	9.65 0.29 -0.42	9.64 0.27 -0.35	7.16 0.18 -0.47	9.20 0.25 -0.37	9.60 0.26 -0.44	13.20 0.36 -0.42	15.64 0.41 -0.57	19.74 0.53 -0.24	19.95 0.52 -0.16	19.91 0.48 -0.24	20.06 0.50 -0.29	20.21 0.54 -0.41	20.37 0.54 -0.52	20.63 0.58 -0.60	20.33 0.51 -0.76	17.09 0.37 -1.26	21.40 0.63 -1.73	20.93 0.56 -1.76	25.89 0.68 -1.09	26.74 0.70 -1.00	21.74 0.53 -0.78	20.15 0.44 -0.48	18.37 0.42 -0.27
MALONE___115KV_TB1 356076	8.38 -0.31 0.00	8.60 -0.34 0.00	8.64 -0.39 0.00	6.22 -0.29 0.00	8.23 -0.35 0.00	8.58 -0.32 0.00	11.99 -0.42 0.00	14.29 -0.37 0.00	18.43 -0.53 0.00	18.61 -0.66 0.00	18.63 -0.56 0.00	18.63 -0.64 0.00	18.65 -0.62 0.00	18.55 -0.75 0.00	18.74 -0.70 0.00	18.35 -0.71 0.00	14.88 -0.59 0.00	18.51 -0.53 0.00	18.34 -0.28 0.00	23.88 -0.24 0.00	24.71 -0.33 0.00	20.08 -0.35 0.00	18.86 -0.37 0.00	17.31 -0.37 0.00
MAPLEWOD_115KV_TB3 80458	22.69 0.32 -13.67	19.40 0.33 -10.13	17.80 0.35 -8.43	18.08 0.25 -11.32	17.84 0.33 -8.93	19.90 0.33 -10.67	23.10 0.45 -10.24	28.91 0.50 -13.76	25.48 0.66 -5.85	23.80 0.67 -3.86	25.51 0.67 -5.65	26.56 0.69 -6.60	29.09 0.69 -9.13	31.63 0.71 -11.61	33.64 0.74 -13.46	37.01 0.74 -17.21	44.87 0.63 -28.77	58.97 0.76 -39.17	59.17 0.74 -39.81	46.88 1.01 -21.75	46.16 1.00 -20.11	37.56 0.82 -16.31	30.10 0.75 -10.13	23.97 0.65 -5.64
MAPLE RIDGE_WT_1 323574	8.34 -0.36 0.00	8.58 -0.37 0.00	8.66 -0.36 0.00	6.26 -0.24 0.00	8.29 -0.29 0.00	8.64 -0.27 0.00	12.03 -0.38 0.00	14.24 -0.41 0.00	18.41 -0.55 0.00	18.71 -0.56 0.00	18.67 -0.52 0.00	18.71 -0.56 0.00	18.71 -0.56 0.00	18.69 -0.62 0.00	18.82 -0.62 0.00	18.49 -0.57 0.00	15.01 -0.45 0.00	18.55 -0.50 0.00	18.19 -0.43 0.00	23.50 -0.63 0.00	24.29 -0.75 0.00	19.78 -0.65 0.00	18.65 -0.58 0.00	17.17 -0.51 0.00

MAPLE_RIDGE_WT_2 323611	8.34 -0.36 0.00	8.58 -0.37 0.00	8.66 -0.36 0.00	6.26 -0.24 0.00	8.29 -0.29 0.00	8.64 -0.27 0.00	12.03 -0.38 0.00	14.24 -0.41 0.00	18.41 -0.55 0.00	18.71 -0.56 0.00	18.67 -0.52 0.00	18.71 -0.56 0.00	18.71 -0.56 0.00	18.69 -0.62 0.00	18.82 -0.62 0.00	18.49 -0.57 0.00	15.01 -0.45 0.00	18.55 -0.50 0.00	18.19 -0.43 0.00	23.50 -0.63 0.00	24.29 -0.75 0.00	19.78 -0.65 0.00	18.65 -0.58 0.00	17.17 -0.51 0.00
MARBLE_RIVER_WT_PWR 323696	8.33 -0.36 0.00	8.54 -0.40 0.00	8.58 -0.44 0.00	6.18 -0.33 0.00	8.18 -0.40 0.00	8.53 -0.37 0.00	11.95 -0.46 0.00	14.20 -0.45 0.00	18.32 -0.64 0.00	18.49 -0.77 0.00	18.52 -0.67 0.00	18.51 -0.75 0.00	18.51 -0.75 0.00	18.46 -0.85 0.00	18.63 -0.82 0.00	18.26 -0.80 0.00	14.83 -0.63 0.00	18.41 -0.63 0.00	18.26 -0.35 0.00	23.84 -0.29 0.00	24.69 -0.35 0.00	20.08 -0.35 0.00	18.90 -0.33 0.00	17.34 -0.34 0.00
MARSHVLE_115KV_TB1 80742	26.15 0.66 -16.79	22.08 0.71 -12.43	20.06 0.69 -10.35	20.91 0.49 -13.91	20.21 0.66 -10.97	22.69 0.69 -13.10	26.08 1.09 -12.57	32.75 1.20 -16.89	27.57 1.42 -7.18	25.45 1.44 -4.74	27.69 1.42 -7.08	29.22 1.56 -8.39	32.53 1.54 -11.72	35.82 1.62 -14.89	38.34 1.65 -17.24	42.62 1.70 -21.87	53.24 1.47 -36.30	70.76 1.92 -49.79	70.99 1.84 -50.53	54.04 2.51 -27.40	52.95 2.60 -25.31	42.63 2.17 -20.03	33.60 1.94 -12.44	26.30 1.70 -6.92
MARSH_HILL_WT_PWR 323713	11.00 0.24 -2.06	10.73 0.26 -1.53	10.63 0.33 -1.27	8.46 0.25 -1.71	10.25 0.32 -1.35	10.82 0.31 -1.61	14.49 0.53 -1.54	17.14 0.41 -2.07	20.20 0.36 -0.88	20.31 0.46 -0.58	20.36 0.29 -0.88	20.73 0.41 -1.06	21.14 0.37 -1.51	21.70 0.48 -1.91	22.08 0.43 -2.22	22.19 0.34 -2.79	20.29 0.26 -4.56	25.55 0.21 -6.30	25.13 0.13 -6.39	27.98 0.41 -3.44	28.64 0.43 -3.17	23.26 0.37 -2.46	21.05 0.31 -1.52	19.07 0.55 -0.84
MCINTYRE_115KV_TB2 80467	8.54 -0.16 0.00	8.77 -0.17 0.00	8.80 -0.23 0.00	6.33 -0.18 0.00	8.37 -0.21 0.00	8.72 -0.19 0.00	12.06 -0.35 0.00	14.39 -0.26 0.00	18.51 -0.46 0.00	18.75 -0.52 0.00	18.73 -0.46 0.00	18.75 -0.52 0.00	18.75 -0.52 0.00	18.67 -0.64 0.00	18.84 -0.60 0.00	18.47 -0.59 0.00	14.98 -0.48 0.00	18.62 -0.42 0.00	18.32 -0.30 0.00	23.76 -0.36 0.00	24.59 -0.45 0.00	20.02 -0.41 0.00	18.78 -0.44 0.00	17.24 -0.44 0.00
MECO____69_KV_BK1 80468	25.51 0.83 -15.97	21.68 0.91 -11.83	19.75 0.88 -9.84	20.37 0.64 -13.23	19.86 0.84 -10.43	22.23 0.86 -12.46	25.61 1.24 -11.96	32.04 1.32 -16.07	27.37 1.57 -6.83	25.38 1.60 -4.51	27.55 1.65 -6.71	28.98 1.77 -7.94	32.12 1.77 -11.08	35.24 1.85 -14.08	37.61 1.87 -16.30	41.74 1.98 -20.70	51.64 1.78 -34.40	68.50 2.32 -47.13	68.63 2.18 -47.84	53.04 2.94 -25.97	52.06 3.03 -23.99	41.91 2.43 -19.05	33.23 2.17 -11.83	26.12 1.86 -6.58
MENANDS__115KV_TB5 355628	22.44 0.21 -13.53	19.18 0.21 -10.02	17.61 0.24 -8.34	17.88 0.17 -11.21	17.65 0.22 -8.84	19.69 0.23 -10.56	22.82 0.27 -10.13	28.56 0.29 -13.61	25.17 0.42 -5.79	23.51 0.42 -3.82	25.20 0.42 -5.59	26.22 0.42 -6.53	28.73 0.44 -9.02	31.19 0.41 -11.48	33.17 0.43 -13.30	36.49 0.42 -17.01	44.25 0.34 -28.45	58.17 0.40 -38.73	58.37 0.39 -39.36	46.16 0.53 -21.51	45.46 0.53 -19.89	37.00 0.43 -16.14	29.65 0.40 -10.02	23.63 0.37 -5.58
MG INDUSTRY__DRP 24185	22.16 0.23 -13.23	18.99 0.25 -9.80	17.45 0.27 -8.15	17.65 0.19 -10.96	17.48 0.25 -8.64	19.47 0.25 -10.32	22.64 0.32 -9.91	28.32 0.35 -13.31	25.08 0.46 -5.66	23.47 0.46 -3.74	25.20 0.46 -5.55	26.29 0.46 -6.56	28.90 0.48 -9.15	31.30 0.37 -11.63	33.30 0.39 -13.47	36.57 0.40 -17.11	44.23 0.32 -28.44	58.37 0.38 -38.95	58.51 0.35 -39.54	46.13 0.53 -21.48	45.43 0.55 -19.84	36.66 0.45 -15.78	29.45 0.42 -9.80	23.61 0.48 -5.45
MID__OSWEGATCHIE_HYD 23849	8.76 -0.23 -0.30	8.92 -0.25 -0.22	8.92 -0.29 -0.19	6.53 -0.22 -0.25	8.50 -0.28 -0.20	8.86 -0.28 -0.24	12.21 -0.42 -0.23	14.55 -0.41 -0.30	18.48 -0.61 -0.13	18.68 -0.67 -0.09	18.64 -0.67 -0.13	18.75 -0.67 -0.16	18.81 -0.67 -0.22	18.77 -0.81 -0.28	19.04 -0.72 -0.32	18.73 -0.72 -0.40	15.52 -0.60 -0.66	19.42 -0.53 -0.91	19.08 -0.47 -0.92	24.11 -0.53 -0.52	24.97 -0.55 -0.48	20.29 -0.51 -0.37	18.90 -0.56 -0.23	17.28 -0.53 -0.13
MID__RAQUETTE_HYD 23851	8.32 -0.38 0.00	8.54 -0.40 0.00	8.57 -0.45 0.00	6.17 -0.33 0.00	8.16 -0.43 0.00	8.49 -0.41 0.00	11.75 -0.66 0.00	14.02 -0.63 0.00	18.05 -0.91 0.00	18.28 -0.98 0.00	18.27 -0.92 0.00	18.30 -0.96 0.00	18.30 -0.96 0.00	18.22 -1.08 0.00	18.39 -1.05 0.00	18.03 -1.03 0.00	14.63 -0.84 0.00	18.17 -0.88 0.00	17.87 -0.74 0.00	23.18 -0.94 0.00	23.99 -1.05 0.00	19.51 -0.92 0.00	18.32 -0.90 0.00	16.81 -0.87 0.00
MILLIKEN__1 23584	10.94 0.23 -2.00	10.66 0.23 -1.48	10.49 0.23 -1.23	8.33 0.17 -1.66	10.11 0.21 -1.31	10.70 0.23 -1.56	14.31 0.40 -1.50	17.05 0.38 -2.01	20.36 0.53 -0.87	20.36 0.52 -0.57	20.52 0.46 -0.87	20.85 0.54 -1.04	21.16 0.44 -1.46	21.65 0.50 -1.85	22.08 0.51 -2.14	22.23 0.48 -2.69	20.27 0.37 -4.44	25.64 0.48 -6.12	25.29 0.47 -6.21	28.15 0.70 -3.33	28.86 0.75 -3.07	23.40 0.59 -2.38	21.20 0.50 -1.48	19.01 0.51 -0.82
MILLIKEN__2 23585	10.94 0.23 -2.00	10.66 0.23 -1.48	10.49 0.23 -1.23	8.33 0.17 -1.66	10.11 0.21 -1.31	10.70 0.23 -1.56	14.31 0.40 -1.50	17.05 0.38 -2.01	20.36 0.53 -0.87	20.36 0.52 -0.57	20.52 0.46 -0.87	20.85 0.54 -1.04	21.16 0.44 -1.46	21.65 0.50 -1.85	22.08 0.51 -2.14	22.23 0.48 -2.69	20.27 0.37 -4.44	25.64 0.48 -6.12	25.29 0.47 -6.21	28.15 0.70 -3.33	28.86 0.75 -3.07	23.40 0.59 -2.38	21.20 0.50 -1.48	19.01 0.51 -0.82
MILLIKEN__DIESEL 23629	10.94 0.23 -2.00	10.66 0.23 -1.48	10.49 0.23 -1.23	8.33 0.17 -1.66	10.11 0.21 -1.31	10.70 0.23 -1.56	14.31 0.40 -1.50	17.05 0.38 -2.01	20.36 0.53 -0.87	20.36 0.52 -0.57	20.52 0.46 -0.87	20.85 0.54 -1.04	21.16 0.44 -1.46	21.65 0.50 -1.85	22.08 0.51 -2.14	22.23 0.48 -2.69	20.27 0.37 -4.44	25.64 0.48 -6.12	25.29 0.47 -6.21	28.15 0.70 -3.33	28.86 0.75 -3.07	23.40 0.59 -2.38	21.20 0.50 -1.48	19.01 0.51 -0.82
MILLSEAT__LFGE 323607	10.21 0.01 -1.50	10.08 0.03 -1.11	10.09 0.14 -0.92	7.87 0.12 -1.24	9.68 0.11 -0.98	10.11 0.04 -1.17	13.58 0.05 -1.12	15.81 -0.35 -1.51	18.94 -0.66 -0.64	19.13 -0.56 -0.42	19.08 -0.75 -0.64	19.40 -0.64 -0.77	19.72 -0.69 -1.14	20.16 -0.60 -1.45	20.44 -0.68 -1.68	20.43 -0.74 -2.11	18.26 -0.53 -3.32	22.89 -0.74 -4.59	22.41 -0.86 -4.65	25.76 -0.87 -2.51	26.50 -0.85 -2.31	21.65 -0.57 -1.79	19.83 -0.50 -1.11	18.21 -0.09 -0.62
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	20.07 0.52 -10.85	17.52 0.54 -8.04	16.24 0.53 -6.69	15.89 0.40 -8.99	16.19 0.52 -7.09	17.90 0.53 -8.47	21.37 0.83 -8.13	26.52 0.95 -10.92	25.01 1.40 -4.64	23.83 1.50 -3.07	25.56 1.50 -4.88	26.86 1.54 -6.05	29.51 1.52 -8.72	31.92 1.58 -11.03	33.76 1.57 -12.75	36.32 1.49 -15.77	42.30 1.21 -25.63	56.51 1.52 -35.95	56.38 1.45 -36.31	45.20 1.81 -19.26	44.55 1.80 -17.71	34.85 1.47 -12.94	28.67 1.40 -8.04	23.37 1.22 -4.47

MILLWOOD_13_KV_LOAD 356217	20.09 0.54 -10.85	17.53 0.55 -8.04	16.25 0.54 -6.69	15.90 0.40 -8.99	16.20 0.52 -7.09	17.91 0.54 -8.47	21.37 0.83 -8.13	26.54 0.97 -10.92	25.05 1.44 -4.64	23.87 1.54 -3.07	25.62 1.55 -4.88	26.92 1.60 -6.05	29.59 1.60 -8.72	31.99 1.66 -11.03	33.84 1.65 -12.75	36.40 1.56 -15.77	42.38 1.28 -25.63	56.57 1.58 -35.95	56.44 1.51 -36.31	45.27 1.88 -19.26	44.60 1.85 -17.71	34.89 1.51 -12.94	28.70 1.44 -8.04	23.41 1.26 -4.47
MODEL_CITY_ENERGY 24167	10.07 -0.19 -1.56	9.93 -0.17 -1.16	9.95 -0.04 -0.96	7.81 0.01 -1.29	9.56 -0.04 -1.02	9.97 -0.15 -1.22	13.37 -0.21 -1.17	15.60 -0.63 -1.57	18.59 -1.04 -0.67	18.74 -0.96 -0.44	18.72 -1.13 -0.67	19.05 -1.02 -0.80	19.34 -1.08 -1.16	19.79 -0.98 -1.47	20.07 -1.07 -1.70	20.07 -1.12 -2.14	18.06 -0.87 -3.46	22.50 -1.31 -4.78	22.06 -1.40 -4.84	25.16 -1.57 -2.61	25.87 -1.58 -2.41	21.13 -1.16 -1.86	19.32 -1.06 -1.15	17.79 -0.53 -0.64
MODERN_LFGE_ 323580	10.07 -0.19 -1.56	9.93 -0.17 -1.16	9.95 -0.04 -0.96	7.81 0.01 -1.29	9.56 -0.04 -1.02	9.97 -0.15 -1.22	13.37 -0.21 -1.17	15.60 -0.63 -1.57	18.59 -1.04 -0.67	18.74 -0.96 -0.44	18.72 -1.13 -0.67	19.05 -1.02 -0.80	19.34 -1.08 -1.16	19.79 -0.98 -1.47	20.07 -1.07 -1.70	20.07 -1.12 -2.14	18.06 -0.87 -3.46	22.50 -1.31 -4.78	22.06 -1.40 -4.84	25.16 -1.57 -2.61	25.87 -1.58 -2.41	21.13 -1.16 -1.86	19.32 -1.06 -1.15	17.79 -0.53 -0.64
MOHAWK_PAPER__DRP 24187	22.69 0.32 -13.67	19.40 0.33 -10.13	17.80 0.35 -8.43	18.08 0.25 -11.32	17.84 0.33 -8.93	19.90 0.33 -10.67	23.10 0.45 -10.24	28.91 0.50 -13.76	25.48 0.66 -5.85	23.80 0.67 -3.86	25.51 0.67 -5.65	26.56 0.69 -6.60	29.09 0.69 -9.13	31.63 0.71 -11.61	33.64 0.74 -13.46	37.01 0.74 -17.21	44.87 0.63 -28.77	58.97 0.76 -39.17	59.17 0.74 -39.81	46.88 1.01 -21.75	46.16 1.00 -20.11	37.56 0.82 -16.31	30.10 0.75 -10.13	23.97 0.65 -5.64
MOHICAN__35_KV_115KV_LD 80490	22.99 0.20 -14.09	19.61 0.23 -10.43	17.92 0.22 -8.68	18.33 0.16 -11.67	17.99 0.20 -9.20	20.09 0.20 -10.99	23.37 0.41 -10.55	29.25 0.42 -14.17	25.50 0.51 -6.03	23.78 0.54 -3.98	25.62 0.59 -5.83	26.71 0.62 -6.82	29.34 0.64 -9.44	31.99 0.68 -12.01	34.10 0.74 -13.92	37.64 0.80 -17.79	45.88 0.70 -29.72	60.42 0.89 -40.49	60.61 0.86 -41.14	47.79 1.21 -22.46	47.06 1.25 -20.77	38.22 0.98 -16.80	30.52 0.87 -10.43	24.18 0.69 -5.81
MONGAUP__HYD 23641	18.51 0.48 -9.33	16.35 0.49 -6.91	15.25 0.48 -5.75	14.59 0.35 -7.73	15.15 0.46 -6.10	16.67 0.49 -7.28	20.13 0.73 -6.99	24.88 0.83 -9.39	24.02 1.06 -3.99	22.90 1.00 -2.64	24.36 1.00 -4.18	25.46 1.02 -5.17	27.71 1.00 -7.44	29.65 0.93 -9.41	31.24 0.91 -10.88	33.54 0.99 -13.49	38.46 1.07 -21.93	51.07 1.31 -30.72	50.92 1.27 -31.04	42.30 1.69 -16.49	41.90 1.70 -15.16	32.96 1.39 -11.14	27.43 1.29 -6.92	22.68 1.15 -3.85
MONTAUK__DIESEL 23721	26.14 0.97 -16.48	20.22 1.00 -10.28	19.24 1.01 -9.20	16.27 0.72 -9.05	16.66 0.94 -7.13	18.48 0.98 -8.60	26.32 1.53 -12.38	31.22 1.88 -14.69	31.29 2.50 -9.82	30.95 2.62 -9.06	28.35 2.55 -6.61	29.43 2.60 -7.56	30.89 2.56 -9.06	41.92 2.70 -19.91	44.59 2.70 -22.45	43.92 2.59 -22.27	54.51 2.27 -36.78	58.15 2.91 -36.19	60.89 2.85 -39.43	52.15 3.62 -24.41	47.40 3.66 -18.71	36.90 2.92 -13.54	30.11 2.79 -8.09	27.50 2.44 -7.38
MOONROAD_115KV_HARTFLD_TB1-2 355988	10.68 0.18 -1.80	10.49 0.21 -1.33	10.47 0.34 -1.11	8.26 0.27 -1.49	10.08 0.32 -1.17	10.65 0.35 -1.40	14.33 0.57 -1.34	16.95 0.48 -1.81	20.06 0.32 -0.77	20.20 0.42 -0.51	20.15 0.19 -0.77	20.50 0.31 -0.92	20.81 0.23 -1.31	21.33 0.37 -1.66	21.64 0.27 -1.92	21.69 0.21 -2.42	19.57 0.14 -3.97	24.46 -0.04 -5.45	23.90 -0.24 -5.53	27.09 0.00 -2.97	27.80 0.03 -2.74	22.59 0.04 -2.12	20.58 0.04 -1.31	18.77 0.35 -0.73
MORTIMER_115KV_TB3 55949	10.02 0.01 -1.31	9.94 0.03 -0.97	9.92 0.09 -0.81	7.66 0.07 -1.09	9.50 0.06 -0.86	9.93 0.00 -1.02	13.43 0.04 -0.98	15.84 -0.13 -1.32	19.28 -0.25 -0.56	19.44 -0.19 -0.37	19.46 -0.29 -0.56	19.75 -0.19 -0.67	20.03 -0.19 -0.96	20.35 -0.17 -1.22	20.70 -0.16 -1.41	20.60 -0.23 -1.78	18.23 -0.14 -2.90	22.66 -0.40 -4.02	22.21 -0.48 -4.08	25.82 -0.48 -2.18	26.58 -0.48 -2.01	21.70 -0.29 -1.56	19.96 -0.23 -0.97	18.22 0.00 -0.54
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	20.19 0.57 -10.92	17.61 0.58 -8.09	16.33 0.58 -6.73	15.98 0.43 -9.05	16.29 0.57 -7.13	18.00 0.58 -8.52	21.51 0.92 -8.18	26.70 1.06 -10.99	25.19 1.55 -4.67	24.03 1.68 -3.09	25.78 1.69 -4.91	27.05 1.70 -6.09	29.72 1.68 -8.78	32.16 1.76 -11.10	33.99 1.71 -12.83	36.56 1.62 -15.88	42.56 1.30 -25.80	56.94 1.71 -36.19	56.81 1.64 -36.56	45.54 2.03 -19.39	44.84 1.98 -17.83	35.07 1.61 -13.03	28.87 1.56 -8.09	23.52 1.34 -4.50
MUNSVILLE_WIND_PWR 323609	12.32 0.76 -2.87	11.84 0.78 -2.12	11.50 0.71 -1.77	9.38 0.50 -2.37	11.13 0.67 -1.87	11.85 0.71 -2.24	15.60 1.04 -2.15	18.72 1.19 -2.88	21.65 1.46 -1.23	21.50 1.43 -0.81	21.66 1.25 -1.23	22.05 1.31 -1.48	22.64 1.29 -2.08	23.26 1.31 -2.64	23.90 1.40 -3.06	24.25 1.33 -3.85	22.85 1.04 -6.35	29.42 1.62 -8.76	29.10 1.60 -8.88	31.25 2.34 -4.79	31.91 2.46 -4.41	25.77 1.92 -3.42	23.01 1.67 -2.12	20.47 1.61 -1.18
N SALMON__HYD 24042	8.39 -0.31 0.00	8.60 -0.34 0.00	8.64 -0.39 0.00	6.22 -0.29 0.00	8.23 -0.35 0.00	8.58 -0.32 0.00	12.03 -0.38 0.00	14.29 -0.37 0.00	18.43 -0.53 0.00	18.61 -0.66 0.00	18.63 -0.56 0.00	18.63 -0.64 0.00	18.65 -0.62 0.00	18.55 -0.75 0.00	18.72 -0.72 0.00	18.37 -0.69 0.00	14.88 -0.59 0.00	18.51 -0.53 0.00	18.34 -0.28 0.00	23.88 -0.24 0.00	24.71 -0.33 0.00	20.08 -0.35 0.00	18.88 -0.35 0.00	17.31 -0.37 0.00
N.AKRON__115KV_KNAPP 355671	10.22 0.01 -1.51	10.11 0.04 -1.12	10.10 0.14 -0.93	7.89 0.14 -1.25	9.69 0.12 -0.99	10.12 0.04 -1.18	13.60 0.06 -1.13	15.90 -0.32 -1.57	19.00 -0.63 -0.67	19.17 -0.54 -0.44	19.13 -0.73 -0.67	19.47 -0.60 -0.80	19.73 -0.67 -1.14	20.17 -0.58 -1.45	20.48 -0.64 -1.68	20.46 -0.71 -2.11	18.44 -0.48 -3.46	22.91 -0.76 -4.63	22.43 -0.87 -4.69	25.74 -0.89 -2.51	26.48 -0.88 -2.32	21.63 -0.59 -1.79	19.88 -0.46 -1.11	18.21 -0.09 -0.62
N.BELMOR_69_KV_BK1 55787	25.89 0.71 -16.48	19.96 0.73 -10.28	18.96 0.73 -9.20	16.08 0.53 -9.05	16.41 0.69 -7.13	18.23 0.73 -8.60	25.93 1.13 -12.38	30.64 1.29 -14.69	30.62 1.84 -9.82	30.26 1.93 -9.06	27.66 1.86 -6.61	28.73 1.91 -7.56	30.19 1.87 -9.06	41.13 1.91 -19.91	43.73 1.85 -22.45	43.07 1.73 -22.27	53.69 1.45 -36.78	57.08 1.85 -36.19	59.83 1.79 -39.43	50.78 2.24 -24.41	46.00 2.25 -18.71	35.85 1.88 -13.54	29.18 1.86 -8.09	26.72 1.66 -7.38
N.E._GEN_SANDY PD 24062	21.43 0.38 -12.35	18.48 0.39 -9.14	17.03 0.40 -7.61	17.02 0.29 -10.23	17.03 0.38 -8.07	18.93 0.39 -9.63	22.18 0.52 -9.25	27.69 0.62 -12.42	25.10 0.85 -5.28	23.60 0.85 -3.49	23.85 0.82 -3.84	23.40 0.81 -3.33	23.53 0.81 -3.46	24.77 0.85 -4.62	25.72 0.84 -5.44	28.52 0.78 -8.68	33.20 0.63 -17.10	39.25 0.80 -19.41	40.02 0.76 -20.64	38.25 0.99 -13.14	38.55 1.00 -12.51	36.00 0.84 -14.73	29.18 0.81 -9.14	23.46 0.69 -5.09

N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.22 0.53 -9.99	16.88 0.54 -7.40	15.72 0.53 -6.16	15.18 0.40 -8.28	15.63 0.52 -6.53	17.24 0.53 -7.80	20.73 0.83 -7.49	25.67 0.95 -10.06	24.64 1.40 -4.28	23.57 1.48 -2.82	25.15 1.48 -4.48	26.34 1.52 -5.56	28.76 1.50 -8.00	31.00 1.58 -10.11	32.69 1.56 -11.69	34.96 1.43 -14.48	40.16 1.16 -23.54	53.46 1.43 -32.99	53.31 1.36 -33.33	43.53 1.71 -17.70	43.01 1.70 -16.27	33.77 1.41 -11.93	28.01 1.38 -7.40	23.02 1.22 -4.12
N.QUEENS_27_KV_LOAD 356247	20.26 0.63 -10.93	17.69 0.65 -8.10	16.40 0.65 -6.73	16.04 0.49 -9.05	16.35 0.64 -7.13	18.05 0.62 -8.52	21.56 0.97 -8.18	26.65 1.01 -10.99	25.15 1.52 -4.67	24.03 1.68 -3.09	25.84 1.75 -4.91	27.09 1.73 -6.09	29.74 1.70 -8.78	32.22 1.81 -11.10	33.99 1.71 -12.83	36.54 1.60 -15.88	42.55 1.28 -25.80	56.97 1.73 -36.20	56.87 1.69 -36.56	45.52 2.00 -19.39	44.82 1.95 -17.82	35.07 1.61 -13.03	29.04 1.73 -8.09	23.67 1.49 -4.50
N.TROY___115KV_TB1 355778	22.75 0.30 -13.75	19.44 0.31 -10.18	17.81 0.32 -8.47	18.12 0.23 -11.39	17.87 0.30 -8.98	19.93 0.30 -10.73	23.13 0.42 -10.29	28.97 0.48 -13.83	25.47 0.63 -5.88	23.77 0.62 -3.88	25.41 0.59 -5.63	26.39 0.60 -6.52	28.83 0.60 -8.97	31.35 0.62 -11.42	33.32 0.64 -13.24	36.69 0.63 -17.00	44.52 0.53 -28.53	58.39 0.65 -38.70	58.61 0.63 -39.36	46.55 0.84 -21.58	45.89 0.88 -19.98	37.57 0.74 -16.40	30.08 0.67 -10.18	23.91 0.57 -5.67
NARROWS_GT1_1 24228	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT1_2 24229	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT1_3 24230	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT1_4 24231	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT1_5 24232	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT1_6 24233	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT1_7 24234	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT1_8 24235	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT2_1 24236	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT2_2 24237	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT2_3 24238	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT2_4 24239	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50

NARROWS_GT2_5 24240	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT2_6 24241	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT2_7 24242	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NARROWS_GT2_8 24243	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	21.51 0.21 -12.60	18.50 0.22 -9.33	17.03 0.24 -7.77	17.10 0.16 -10.44	17.04 0.22 -8.23	18.97 0.24 -9.83	22.18 0.34 -9.43	27.68 0.35 -12.68	24.79 0.44 -5.39	23.25 0.42 -3.56	24.90 0.38 -5.33	26.01 0.40 -6.34	28.79 0.66 -8.87	31.07 0.50 -11.26	33.08 0.60 -13.04	36.01 0.44 -16.51	43.27 0.43 -27.38	57.14 0.50 -37.60	57.30 0.54 -38.15	45.63 0.84 -20.66	44.99 0.88 -19.08	36.12 0.65 -15.03	29.10 0.54 -9.33	23.46 0.58 -5.19
NCHELSEA_115KV_TR2 355582	19.99 0.56 -10.74	17.47 0.57 -7.95	16.21 0.57 -6.62	15.81 0.42 -8.89	16.15 0.55 -7.01	17.85 0.57 -8.37	21.32 0.87 -8.04	26.44 0.98 -10.80	24.98 1.42 -4.59	23.80 1.50 -3.03	25.47 1.50 -4.78	26.69 1.52 -5.90	29.29 1.56 -8.47	31.64 1.62 -10.71	33.46 1.63 -12.39	36.00 1.56 -15.38	41.82 1.30 -25.05	55.68 1.60 -35.04	55.58 1.55 -35.42	44.94 1.98 -18.84	44.35 1.98 -17.33	34.83 1.59 -12.80	28.69 1.52 -7.95	23.43 1.33 -4.42
NEG CAPITAL___MECHNVIL 23645	23.03 0.36 -13.97	19.66 0.37 -10.35	18.02 0.39 -8.61	18.35 0.27 -11.57	18.07 0.36 -9.13	20.17 0.37 -10.90	23.44 0.57 -10.46	29.34 0.63 -14.05	25.76 0.81 -5.98	24.04 0.83 -3.95	25.79 0.84 -5.76	26.83 0.85 -6.71	29.40 0.87 -9.27	32.01 0.91 -11.80	34.08 0.97 -13.67	37.55 0.99 -17.50	45.58 0.83 -29.28	59.90 1.03 -39.83	60.09 0.99 -40.49	47.62 1.35 -22.14	46.90 1.38 -20.49	38.22 1.12 -16.67	30.59 1.02 -10.35	24.30 0.87 -5.76
NEG CENTRAL_HIGH_ACRES 23767	9.88 -0.10 -1.29	9.80 -0.10 -0.95	9.76 -0.05 -0.79	7.53 -0.04 -1.07	9.36 -0.07 -0.84	9.81 -0.10 -1.00	13.27 -0.10 -0.96	15.69 -0.26 -1.29	19.17 -0.34 -0.55	19.32 -0.31 -0.36	19.34 -0.40 -0.55	19.64 -0.29 -0.66	19.86 -0.35 -0.94	20.19 -0.31 -1.19	20.53 -0.29 -1.38	20.42 -0.38 -1.74	18.04 -0.28 -2.85	22.50 -0.48 -3.94	22.06 -0.54 -3.99	25.69 -0.58 -2.15	26.45 -0.57 -1.98	21.54 -0.43 -1.53	19.75 -0.42 -0.95	18.00 -0.21 -0.53
NEG CENTRAL___DRP 24199	10.18 0.09 -1.39	10.06 0.09 -1.03	10.00 0.12 -0.86	7.74 0.08 -1.15	9.60 0.10 -0.91	10.09 0.11 -1.09	13.68 0.22 -1.04	16.20 0.15 -1.40	19.71 0.15 -0.60	19.83 0.17 -0.39	19.90 0.12 -0.60	20.16 0.17 -0.72	20.77 0.35 -1.15	21.19 0.42 -1.46	21.54 0.41 -1.69	21.51 0.32 -2.13	18.65 0.11 -3.08	23.37 0.08 -4.26	22.97 0.04 -4.31	26.60 0.17 -2.30	27.36 0.20 -2.12	22.24 0.16 -1.64	20.36 0.12 -1.02	18.46 0.21 -0.57
NEG CENTRAL___INDECK 23768	10.76 0.30 -1.76	10.57 0.32 -1.30	10.50 0.39 -1.08	8.23 0.27 -1.46	10.08 0.34 -1.15	10.59 0.32 -1.37	14.25 0.52 -1.32	16.86 0.44 -1.77	20.13 0.42 -0.75	20.21 0.44 -0.50	20.19 0.25 -0.75	20.54 0.37 -0.91	20.88 0.33 -1.29	21.33 0.39 -1.64	21.72 0.39 -1.89	21.77 0.32 -2.39	19.69 0.33 -3.90	24.71 0.29 -5.38	24.31 0.24 -5.45	27.62 0.56 -2.94	28.38 0.63 -2.71	23.10 0.57 -2.10	21.04 0.52 -1.30	19.13 0.73 -0.72
NEG CENTRAL___SENECA 23627	10.36 0.15 -1.51	10.23 0.16 -1.12	10.15 0.20 -0.93	7.89 0.14 -1.25	9.75 0.18 -0.99	10.26 0.18 -1.18	13.85 0.31 -1.13	16.41 0.23 -1.52	19.84 0.23 -0.65	19.94 0.25 -0.43	20.01 0.17 -0.65	20.30 0.25 -0.78	20.76 0.33 -1.17	21.19 0.41 -1.48	21.55 0.39 -1.72	21.53 0.30 -2.16	19.00 0.19 -3.35	23.80 0.13 -4.63	23.40 0.09 -4.69	26.92 0.29 -2.51	27.66 0.30 -2.32	22.49 0.27 -1.79	20.55 0.21 -1.11	18.62 0.32 -0.62
NEG CENTRAL___STATE_STREET 24147	10.15 0.09 -1.37	10.04 0.08 -1.01	9.96 0.09 -0.84	7.70 0.07 -1.13	9.56 0.08 -0.89	10.05 0.08 -1.07	13.73 0.30 -1.02	16.31 0.28 -1.38	20.12 0.55 -0.61	20.18 0.52 -0.40	20.29 0.50 -0.61	20.59 0.60 -0.73	20.68 0.40 -1.01	21.05 0.46 -1.28	21.39 0.47 -1.48	21.33 0.40 -1.87	18.79 0.29 -3.03	23.55 0.32 -4.18	23.13 0.28 -4.24	26.84 0.46 -2.26	27.60 0.48 -2.08	22.43 0.39 -1.61	20.53 0.31 -1.00	18.59 0.35 -0.56
NEG MILLWOOD___DRP 24198	20.19 0.57 -10.93	17.61 0.57 -8.09	16.33 0.57 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.14	18.00 0.57 -8.53	21.44 0.84 -8.18	26.62 0.97 -10.99	25.10 1.46 -4.68	23.91 1.56 -3.09	25.65 1.57 -4.88	26.94 1.64 -6.04	29.62 1.68 -8.68	32.06 1.78 -10.98	33.93 1.79 -12.70	36.51 1.72 -15.74	42.52 1.44 -25.62	56.62 1.71 -35.87	56.50 1.64 -36.25	45.44 2.05 -19.26	44.76 2.00 -17.71	35.08 1.61 -13.03	28.84 1.52 -8.09	23.53 1.34 -4.50
NEG NORTH_FLCN_SEA 23793	8.51 -0.19 0.00	8.73 -0.21 0.00	8.77 -0.25 0.00	6.32 -0.18 0.00	8.39 -0.20 0.00	8.75 -0.15 0.00	12.27 -0.14 0.00	14.64 -0.01 0.00	18.87 -0.09 0.00	19.01 -0.25 0.00	19.05 -0.13 0.00	19.05 -0.21 0.00	19.07 -0.19 0.00	18.98 -0.33 0.00	19.17 -0.27 0.00	18.75 -0.30 0.00	15.00 -0.46 0.00	18.64 -0.40 0.00	18.50 -0.11 0.00	24.17 0.05 0.00	25.01 -0.03 0.00	20.33 -0.10 0.00	19.13 -0.10 0.00	17.56 -0.12 0.00
NEG NORTH_KES_CHATEGAY 23792	8.36 -0.34 0.00	8.57 -0.38 0.00	8.61 -0.42 0.00	6.20 -0.31 0.00	8.22 -0.37 0.00	8.56 -0.35 0.00	11.96 -0.45 0.00	14.24 -0.41 0.00	18.39 -0.57 0.00	18.55 -0.71 0.00	18.57 -0.61 0.00	18.55 -0.71 0.00	18.57 -0.69 0.00	18.49 -0.81 0.00	18.66 -0.78 0.00	18.30 -0.76 0.00	14.83 -0.63 0.00	18.43 -0.61 0.00	18.30 -0.32 0.00	23.86 -0.27 0.00	24.71 -0.33 0.00	20.08 -0.35 0.00	18.90 -0.33 0.00	17.34 -0.34 0.00



NEG NORTH___ALICE_FALLS 23915	8.49 -0.21 0.00	8.71 -0.23 0.00	8.75 -0.27 0.00	6.31 -0.20 0.00	8.37 -0.21 0.00	8.73 -0.17 0.00	12.25 -0.16 0.00	14.61 -0.04 0.00	18.83 -0.13 0.00	18.98 -0.29 0.00	19.01 -0.17 0.00	19.01 -0.25 0.00	19.01 -0.25 0.00	18.92 -0.39 0.00	19.13 -0.31 0.00	18.72 -0.34 0.00	15.00 -0.46 0.00	18.68 -0.36 0.00	18.54 -0.07 0.00	24.22 0.10 0.00	25.06 0.03 0.00	20.37 -0.06 0.00	19.13 -0.10 0.00	17.54 -0.14 0.00
NEG NORTH___LWR_SARANAC 23913	8.49 -0.21 0.00	8.71 -0.23 0.00	8.75 -0.27 0.00	6.31 -0.20 0.00	8.37 -0.21 0.00	8.73 -0.17 0.00	12.25 -0.16 0.00	14.61 -0.04 0.00	18.83 -0.13 0.00	18.98 -0.29 0.00	19.01 -0.17 0.00	19.01 -0.25 0.00	19.01 -0.25 0.00	18.92 -0.39 0.00	19.13 -0.31 0.00	18.72 -0.34 0.00	15.00 -0.46 0.00	18.68 -0.36 0.00	18.54 -0.07 0.00	24.22 0.10 0.00	25.06 0.03 0.00	20.37 -0.06 0.00	19.13 -0.10 0.00	17.54 -0.14 0.00
NEG NORTH___PLATTSBURG 23628	8.49 -0.21 0.00	8.71 -0.23 0.00	8.75 -0.27 0.00	6.31 -0.19 0.00	8.37 -0.21 0.00	8.73 -0.17 0.00	12.30 -0.11 0.00	14.61 -0.04 0.00	18.83 -0.13 0.00	18.98 -0.29 0.00	19.01 -0.17 0.00	19.01 -0.25 0.00	19.01 -0.25 0.00	18.92 -0.39 0.00	19.13 -0.31 0.00	18.75 -0.31 0.00	15.01 -0.45 0.00	18.68 -0.36 0.00	18.54 -0.07 0.00	24.22 0.10 0.00	25.06 0.03 0.00	20.37 -0.06 0.00	19.15 -0.08 0.00	17.54 -0.14 0.00
NEG WEST_LEA_LOCKPORT 23791	10.14 -0.10 -1.55	10.02 -0.07 -1.15	10.02 0.05 -0.96	7.86 0.07 -1.28	9.63 0.03 -1.01	10.05 -0.06 -1.21	13.51 -0.06 -1.16	15.78 -0.45 -1.58	18.82 -0.82 -0.67	18.98 -0.73 -0.44	18.96 -0.90 -0.67	19.29 -0.79 -0.81	19.57 -0.85 -1.15	20.01 -0.75 -1.46	20.30 -0.84 -1.69	20.31 -0.88 -2.13	18.30 -0.65 -3.49	22.73 -1.07 -4.76	22.26 -1.17 -4.82	25.43 -1.28 -2.58	26.14 -1.28 -2.38	21.36 -0.92 -1.84	19.58 -0.79 -1.15	17.98 -0.34 -0.64
NEG WEST___LANCASTR 23811	10.29 -0.21 -1.80	10.09 -0.19 -1.33	10.04 -0.09 -1.11	7.95 -0.05 -1.49	9.66 -0.10 -1.18	10.16 -0.14 -1.40	13.62 -0.14 -1.35	16.08 -0.40 -1.82	19.00 -0.74 -0.77	19.14 -0.64 -0.51	19.16 -0.81 -0.78	19.50 -0.69 -0.93	19.82 -0.77 -1.32	20.34 -0.64 -1.68	20.66 -0.72 -1.94	20.74 -0.76 -2.44	18.87 -0.60 -4.01	23.54 -1.01 -5.51	23.06 -1.14 -5.58	25.89 -1.23 -2.99	26.55 -1.25 -2.76	21.63 -0.94 -2.14	19.71 -0.85 -1.33	17.96 -0.46 -0.74
NEG_PENN_ALLEGHNY 23528	11.92 0.15 -3.07	11.38 0.16 -2.27	11.10 0.18 -1.89	9.18 0.13 -2.54	10.75 0.16 -2.00	11.46 0.16 -2.39	15.00 0.29 -2.30	17.99 0.25 -3.09	20.56 0.28 -1.31	20.46 0.33 -0.87	20.77 0.27 -1.32	21.17 0.33 -1.58	21.81 0.31 -2.23	22.51 0.37 -2.83	23.07 0.35 -3.28	23.49 0.30 -4.13	22.48 0.22 -6.80	28.66 0.23 -9.39	28.32 0.19 -9.52	29.59 0.34 -5.13	30.15 0.38 -4.73	24.42 0.33 -3.66	21.76 0.27 -2.26	19.29 0.35 -1.26
NEG___GEN_MONROE 24207	10.08 0.06 -1.32	10.01 0.09 -0.98	10.01 0.17 -0.82	7.72 0.12 -1.10	9.58 0.13 -0.86	10.01 0.07 -1.03	13.50 0.10 -0.99	15.94 -0.03 -1.32	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.56 -0.19 -0.56	19.82 -0.12 -0.67	20.11 -0.12 -0.96	20.37 -0.15 -1.22	20.72 -0.14 -1.41	20.60 -0.23 -1.78	18.19 -0.17 -2.90	22.58 -0.51 -4.05	22.13 -0.60 -4.11	25.72 -0.60 -2.20	26.49 -0.58 -2.03	21.66 -0.35 -1.57	19.89 -0.31 -0.98	18.17 -0.05 -0.54
NEPA___ENERGY 23901	10.74 -0.07 -2.11	10.47 -0.04 -1.56	10.37 0.05 -1.30	8.31 0.05 -1.75	10.00 0.03 -1.38	10.53 -0.02 -1.65	14.02 0.02 -1.58	16.58 -0.21 -2.13	19.44 -0.42 -0.90	19.51 -0.35 -0.59	19.61 -0.48 -0.90	19.94 -0.40 -1.08	20.31 -0.48 -1.53	20.90 -0.35 -1.94	21.26 -0.43 -2.25	21.41 -0.48 -2.83	19.79 -0.36 -4.68	24.80 -0.69 -6.45	24.37 -0.78 -6.53	26.79 -0.84 -3.51	27.40 -0.88 -3.24	22.36 -0.57 -2.50	20.28 -0.50 -1.56	18.37 -0.18 -0.87
NEVERSINK___HYD 23608	18.07 0.72 -8.65	16.10 0.75 -6.40	15.08 0.72 -5.33	14.20 0.53 -7.16	14.94 0.70 -5.65	16.38 0.73 -6.75	19.89 1.00 -6.48	24.48 1.13 -8.70	24.24 1.57 -3.70	23.37 1.66 -2.44	24.62 1.61 -3.82	25.61 1.66 -4.69	27.55 1.58 -6.70	29.34 1.54 -8.49	30.28 1.03 -9.81	32.27 0.99 -12.22	36.26 0.83 -19.96	47.96 1.08 -27.84	47.81 1.04 -28.15	40.49 1.35 -15.02	40.89 2.03 -13.82	32.36 1.61 -10.32	27.15 1.52 -6.40	22.59 1.34 -3.56
NEWKRMKL_115KV_TB1 55635	22.44 0.17 -13.58	19.17 0.17 -10.05	17.60 0.21 -8.37	17.89 0.14 -11.25	17.64 0.19 -8.87	19.68 0.19 -10.59	22.79 0.21 -10.17	28.55 0.23 -13.66	25.11 0.34 -5.81	23.47 0.37 -3.84	25.19 0.36 -5.63	26.23 0.37 -6.60	28.79 0.39 -9.14	31.30 0.37 -11.63	33.28 0.37 -13.47	36.62 0.36 -17.20	44.48 0.31 -28.71	58.55 0.36 -39.14	58.72 0.34 -39.77	46.30 0.48 -21.70	45.58 0.48 -20.06	37.02 0.39 -16.20	29.63 0.35 -10.06	23.59 0.32 -5.60
NEWTON___FALLS_HYD 23847	8.76 -0.23 -0.30	8.92 -0.25 -0.22	8.92 -0.29 -0.19	6.53 -0.22 -0.25	8.50 -0.28 -0.20	8.86 -0.28 -0.24	12.21 -0.42 -0.23	14.55 -0.41 -0.30	18.48 -0.61 -0.13	18.68 -0.67 -0.09	18.64 -0.67 -0.13	18.75 -0.67 -0.16	18.81 -0.67 -0.22	18.77 -0.81 -0.28	19.04 -0.72 -0.32	18.73 -0.72 -0.40	15.52 -0.60 -0.66	19.42 -0.53 -0.91	19.08 -0.47 -0.92	24.11 -0.53 -0.52	24.97 -0.55 -0.48	20.29 -0.51 -0.37	18.90 -0.56 -0.23	17.28 -0.53 -0.13
NGRID_A1_DSASP 323792	10.02 -0.26 -1.58	9.88 -0.23 -1.17	9.90 -0.10 -0.97	7.76 -0.05 -1.31	9.50 -0.11 -1.03	9.92 -0.21 -1.23	13.33 -0.26 -1.18	15.53 -0.72 -1.59	18.50 -1.14 -0.68	18.65 -1.06 -0.45	18.64 -1.23 -0.68	18.94 -1.14 -0.81	19.25 -1.18 -1.16	19.70 -1.08 -1.48	19.96 -1.19 -1.71	19.97 -1.24 -2.15	18.00 -0.96 -3.50	22.42 -1.45 -4.83	21.98 -1.53 -4.89	24.98 -1.78 -2.64	25.67 -1.80 -2.43	20.99 -1.33 -1.88	19.22 -1.17 -1.17	17.69 -0.64 -0.65
NGRID_A2_DSASP 323793	10.02 -0.26 -1.58	9.88 -0.23 -1.17	9.90 -0.10 -0.97	7.76 -0.05 -1.31	9.50 -0.11 -1.03	9.92 -0.21 -1.23	13.33 -0.26 -1.18	15.53 -0.72 -1.59	18.50 -1.14 -0.68	18.65 -1.06 -0.45	18.64 -1.23 -0.68	18.94 -1.14 -0.81	19.25 -1.18 -1.16	19.70 -1.08 -1.48	19.96 -1.19 -1.71	19.97 -1.24 -2.15	18.00 -0.96 -3.50	22.42 -1.45 -4.83	21.98 -1.53 -4.89	24.98 -1.78 -2.64	25.67 -1.80 -2.43	20.99 -1.33 -1.88	19.22 -1.17 -1.17	17.69 -0.64 -0.65
NGRID_A4_DSASP 323807	10.02 -0.26 -1.58	9.88 -0.23 -1.17	9.90 -0.10 -0.97	7.76 -0.05 -1.31	9.50 -0.11 -1.03	9.92 -0.21 -1.23	13.33 -0.26 -1.18	15.53 -0.72 -1.59	18.50 -1.14 -0.68	18.65 -1.06 -0.45	18.64 -1.23 -0.68	18.94 -1.14 -0.81	19.25 -1.18 -1.16	19.70 -1.08 -1.48	19.96 -1.19 -1.71	19.97 -1.24 -2.15	18.00 -0.96 -3.50	22.42 -1.45 -4.83	21.98 -1.53 -4.89	24.98 -1.78 -2.64	25.67 -1.80 -2.43	20.99 -1.33 -1.88	19.22 -1.17 -1.17	17.69 -0.64 -0.65
NIAGARA_115E_LBMP 323715	10.04 -0.23 -1.57	9.89 -0.21 -1.16	9.91 -0.08 -0.97	7.79 -0.01 -1.30	9.53 -0.09 -1.03	9.93 -0.20 -1.23	13.31 -0.27 -1.18	15.52 -0.72 -1.58	18.50 -1.14 -0.67	18.63 -1.08 -0.44	18.63 -1.23 -0.67	18.94 -1.14 -0.81	19.23 -1.19 -1.16	19.68 -1.10 -1.47	19.96 -1.19 -1.71	19.95 -1.26 -2.15	17.99 -0.96 -3.48	22.40 -1.45 -4.81	21.96 -1.53 -4.87	25.01 -1.74 -2.63	25.71 -1.75 -2.42	21.02 -1.29 -1.87	19.21 -1.17 -1.16	17.69 -0.64 -0.65

NIAGARA_115W_LBMP 323714	9.99 -0.29 -1.58	9.85 -0.26 -1.17	9.87 -0.13 -0.97	7.74 -0.07 -1.31	9.48 -0.14 -1.03	9.89 -0.24 -1.23	13.29 -0.30 -1.18	15.48 -0.76 -1.59	18.44 -1.19 -0.67	18.59 -1.12 -0.45	18.60 -1.27 -0.68	18.90 -1.18 -0.81	19.19 -1.23 -1.16	19.64 -1.14 -1.48	19.90 -1.24 -1.71	19.91 -1.30 -2.15	17.95 -1.00 -3.49	22.36 -1.50 -4.82	21.94 -1.56 -4.89	24.90 -1.86 -2.63	25.59 -1.88 -2.43	20.92 -1.39 -1.88	19.18 -1.21 -1.16	17.64 -0.69 -0.65
NIAGARA_230_LBMP 323716	10.09 -0.17 -1.56	9.97 -0.13 -1.16	9.98 0.00 -0.96	7.82 0.02 -1.29	9.59 -0.02 -1.02	9.99 -0.12 -1.22	13.44 -0.14 -1.17	15.67 -0.56 -1.57	18.72 -0.91 -0.67	18.86 -0.85 -0.44	18.86 -1.00 -0.67	19.16 -0.91 -0.80	19.47 -0.94 -1.15	19.89 -0.87 -1.46	20.21 -0.91 -1.69	20.19 -0.99 -2.12	18.16 -0.76 -3.46	22.61 -1.20 -4.77	22.19 -1.27 -4.84	25.26 -1.47 -2.61	25.97 -1.48 -2.40	21.25 -1.04 -1.86	19.44 -0.94 -1.15	17.88 -0.44 -0.64
NIAGARA__115KV_198_GIBSON 55903	9.99 -0.29 -1.58	9.87 -0.24 -1.17	9.87 -0.13 -0.97	7.75 -0.07 -1.31	9.49 -0.13 -1.03	9.89 -0.24 -1.23	13.29 -0.30 -1.18	15.49 -0.76 -1.60	18.45 -1.19 -0.68	18.60 -1.12 -0.45	18.60 -1.27 -0.68	18.91 -1.18 -0.82	19.20 -1.23 -1.16	19.64 -1.14 -1.48	19.90 -1.24 -1.71	19.93 -1.28 -2.15	18.00 -0.99 -3.52	22.37 -1.50 -4.84	21.93 -1.58 -4.90	24.89 -1.86 -2.63	25.58 -1.88 -2.42	20.92 -1.39 -1.88	19.22 -1.17 -1.16	17.64 -0.69 -0.65
NIAGARA____ 23760	10.01 -0.26 -1.57	9.87 -0.24 -1.17	9.89 -0.11 -0.97	7.76 -0.05 -1.30	9.50 -0.11 -1.03	9.91 -0.22 -1.23	13.30 -0.28 -1.18	15.56 -0.67 -1.58	18.55 -1.08 -0.67	18.71 -1.00 -0.44	18.71 -1.15 -0.67	19.01 -1.06 -0.81	19.30 -1.12 -1.16	19.75 -1.02 -1.47	20.01 -1.13 -1.70	20.02 -1.18 -2.14	18.03 -0.91 -3.48	22.47 -1.37 -4.80	22.03 -1.45 -4.87	25.08 -1.66 -2.62	25.75 -1.70 -2.42	21.06 -1.25 -1.87	19.27 -1.12 -1.16	17.67 -0.65 -0.65
NINE_MILE_1 23575	9.28 -0.23 -0.81	9.31 -0.24 -0.60	9.29 -0.23 -0.50	7.01 -0.17 -0.67	8.89 -0.23 -0.53	9.29 -0.25 -0.63	12.71 -0.31 -0.61	15.05 -0.43 -0.82	18.74 -0.57 -0.35	18.92 -0.58 -0.23	18.94 -0.59 -0.35	19.13 -0.56 -0.42	19.30 -0.56 -0.59	19.51 -0.54 -0.75	19.76 -0.54 -0.87	19.58 -0.57 -1.09	16.80 -0.46 -1.80	20.94 -0.59 -2.49	20.54 -0.60 -2.52	24.76 -0.72 -1.36	25.57 -0.73 -1.25	20.81 -0.59 -0.97	19.25 -0.58 -0.60	17.55 -0.46 -0.33
NINE_MILE_2 23744	9.28 -0.23 -0.81	9.30 -0.24 -0.60	9.29 -0.23 -0.50	7.01 -0.17 -0.67	8.89 -0.23 -0.53	9.29 -0.25 -0.63	12.71 -0.31 -0.61	15.05 -0.43 -0.82	18.74 -0.57 -0.35	18.92 -0.58 -0.23	18.94 -0.59 -0.35	19.13 -0.56 -0.42	19.30 -0.56 -0.59	19.51 -0.54 -0.75	19.76 -0.54 -0.87	19.58 -0.57 -1.09	16.80 -0.46 -1.80	20.94 -0.59 -2.49	20.54 -0.60 -2.52	24.76 -0.72 -1.36	25.57 -0.73 -1.25	20.81 -0.59 -0.97	19.25 -0.58 -0.60	17.55 -0.46 -0.33
NM_CAPITAL____DRP 24208	22.41 0.19 -13.52	19.16 0.21 -10.01	17.59 0.23 -8.33	17.85 0.16 -11.19	17.62 0.21 -8.83	19.66 0.21 -10.55	22.78 0.25 -10.12	28.53 0.28 -13.60	25.13 0.38 -5.78	23.49 0.40 -3.82	25.16 0.38 -5.59	26.18 0.39 -6.53	28.69 0.40 -9.02	31.17 0.39 -11.48	33.13 0.39 -13.30	36.45 0.38 -17.01	44.21 0.31 -28.43	58.12 0.36 -38.71	58.32 0.35 -39.35	46.10 0.48 -21.49	45.42 0.50 -19.88	36.96 0.41 -16.12	29.60 0.37 -10.01	23.59 0.34 -5.57
NM_CENTRAL____DRP 24181	9.68 -0.04 -1.03	9.66 -0.04 -0.76	9.62 -0.04 -0.63	7.33 -0.03 -0.85	9.22 -0.04 -0.67	9.66 -0.04 -0.80	13.17 -0.01 -0.77	15.60 -0.09 -1.04	19.27 -0.13 -0.44	19.44 -0.12 -0.29	19.47 -0.15 -0.44	19.70 -0.10 -0.53	19.91 -0.10 -0.74	20.19 -0.06 -0.94	20.47 -0.06 -1.09	20.34 -0.10 -1.37	17.67 -0.08 -2.28	22.08 -0.11 -3.15	21.66 -0.15 -3.19	25.64 -0.14 -1.66	26.45 -0.13 -1.53	21.52 -0.10 -1.19	19.83 -0.13 -0.74	18.04 -0.05 -0.41
NM_FRONTIER____DRP 24179	9.99 -0.29 -1.58	9.87 -0.24 -1.17	9.87 -0.13 -0.97	7.75 -0.07 -1.31	9.49 -0.13 -1.03	9.89 -0.24 -1.23	13.29 -0.30 -1.18	15.49 -0.76 -1.60	18.45 -1.19 -0.68	18.60 -1.12 -0.45	18.60 -1.27 -0.68	18.91 -1.18 -0.82	19.20 -1.23 -1.16	19.64 -1.14 -1.48	19.90 -1.24 -1.71	19.93 -1.28 -2.15	18.00 -0.99 -3.52	22.37 -1.50 -4.84	21.93 -1.58 -4.90	24.89 -1.86 -2.63	25.58 -1.88 -2.42	20.92 -1.39 -1.88	19.22 -1.17 -1.16	17.64 -0.69 -0.65
NM_ST_REGIS____HYD 24053	8.32 -0.38 0.00	8.54 -0.40 0.00	8.57 -0.45 0.00	6.17 -0.34 0.00	8.16 -0.42 0.00	8.50 -0.40 0.00	11.80 -0.61 0.00	14.07 -0.59 0.00	18.13 -0.83 0.00	18.34 -0.92 0.00	18.34 -0.84 0.00	18.36 -0.91 0.00	18.36 -0.91 0.00	18.28 -1.02 0.00	18.45 -0.99 0.00	18.09 -0.97 0.00	14.67 -0.79 0.00	18.24 -0.80 0.00	17.96 -0.65 0.00	23.33 -0.80 0.00	24.14 -0.90 0.00	19.64 -0.80 0.00	18.44 -0.79 0.00	16.90 -0.78 0.00
NORTHPORT____1 23551	25.83 0.65 -16.48	19.89 0.67 -10.28	18.88 0.66 -9.20	16.04 0.49 -9.05	16.36 0.64 -7.13	18.16 0.66 -8.60	25.85 1.05 -12.39	30.52 1.17 -14.69	30.49 1.71 -9.82	30.14 1.81 -9.06	27.31 1.52 -6.61	28.30 1.48 -7.55	29.78 1.46 -9.05	40.76 1.54 -19.91	43.38 1.50 -22.44	42.70 1.37 -22.27	53.41 1.17 -36.77	56.75 1.52 -36.19	59.51 1.47 -39.42	50.36 1.83 -24.41	45.57 1.83 -18.70	35.52 1.55 -13.53	28.80 1.50 -8.08	26.49 1.43 -7.38
NORTHPORT____2 23552	25.83 0.65 -16.48	19.89 0.67 -10.28	18.88 0.66 -9.20	16.04 0.49 -9.05	16.36 0.64 -7.13	18.16 0.66 -8.60	25.85 1.05 -12.39	30.52 1.17 -14.69	30.49 1.71 -9.82	30.14 1.81 -9.06	27.31 1.52 -6.61	28.30 1.48 -7.55	29.78 1.46 -9.05	40.76 1.54 -19.91	43.38 1.50 -22.44	42.70 1.37 -22.27	53.41 1.17 -36.77	56.75 1.52 -36.19	59.51 1.47 -39.42	50.36 1.83 -24.41	45.57 1.83 -18.70	35.52 1.55 -13.53	28.80 1.50 -8.08	26.49 1.43 -7.38
NORTHPORT____3 23553	25.95 0.77 -16.48	20.03 0.81 -10.28	19.02 0.79 -9.20	16.14 0.59 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.03 1.23 -12.39	30.75 1.41 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.79 2.00 -6.61	28.79 1.97 -7.56	30.27 1.94 -9.06	41.21 1.99 -19.91	43.85 1.96 -22.45	43.20 1.87 -22.27	53.77 1.53 -36.78	57.18 1.94 -36.19	59.93 1.88 -39.43	50.93 2.39 -24.41	46.13 2.38 -18.71	35.89 1.92 -13.54	29.23 1.92 -8.09	26.86 1.80 -7.38
NORTHPORT____4 23650	25.95 0.77 -16.48	20.03 0.81 -10.28	19.02 0.79 -9.20	16.14 0.59 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.03 1.23 -12.39	30.75 1.41 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.79 2.00 -6.61	28.79 1.97 -7.56	30.27 1.94 -9.06	41.21 1.99 -19.91	43.85 1.96 -22.45	43.20 1.87 -22.27	53.77 1.53 -36.78	57.18 1.94 -36.19	59.93 1.88 -39.43	50.93 2.39 -24.41	46.13 2.38 -18.71	35.89 1.92 -13.54	29.23 1.92 -8.09	26.86 1.80 -7.38
NORTHPORT____IC 23718	25.83 0.65 -16.48	19.89 0.67 -10.28	18.88 0.66 -9.20	16.04 0.49 -9.05	16.36 0.64 -7.13	18.16 0.66 -8.60	25.85 1.05 -12.39	30.52 1.17 -14.69	30.49 1.71 -9.82	30.14 1.81 -9.06	27.31 1.52 -6.61	28.30 1.48 -7.55	29.78 1.46 -9.05	40.76 1.54 -19.91	43.38 1.50 -22.44	42.70 1.37 -22.27	53.41 1.17 -36.77	56.75 1.52 -36.19	59.51 1.47 -39.42	50.36 1.83 -24.41	45.57 1.83 -18.70	35.52 1.55 -13.53	28.80 1.50 -8.08	26.49 1.43 -7.38

NORTH__COUNTRY_ESR 323785	8.33 -0.36 0.00	8.54 -0.40 0.00	8.58 -0.44 0.00	6.18 -0.33 0.00	8.19 -0.39 0.00	8.53 -0.37 0.00	11.95 -0.46 0.00	14.20 -0.45 0.00	18.34 -0.63 0.00	18.51 -0.75 0.00	18.52 -0.67 0.00	18.51 -0.75 0.00	18.53 -0.73 0.00	18.46 -0.85 0.00	18.63 -0.82 0.00	18.28 -0.78 0.00	14.81 -0.65 0.00	18.37 -0.67 0.00	18.22 -0.39 0.00	23.76 -0.36 0.00	24.61 -0.43 0.00	20.02 -0.41 0.00	18.84 -0.38 0.00	17.29 -0.39 0.00
NPX_GEN_1385_PROXY 323591	25.83 0.65 -16.48	19.89 0.67 -10.28	18.88 0.66 -9.20	16.04 0.49 -9.05	16.36 0.64 -7.13	18.16 0.66 -8.60	25.88 1.08 -12.39	30.55 1.20 -14.69	30.53 1.74 -9.82	30.18 1.85 -9.06	27.35 1.55 -6.61	28.34 1.52 -7.55	29.82 1.50 -9.05	40.80 1.58 -19.91	43.40 1.52 -22.44	42.73 1.41 -22.27	53.36 0.93 -36.97	56.25 1.22 -35.99	59.25 1.21 -39.42	50.08 1.55 -24.41	45.24 1.50 -18.70	35.15 1.18 -13.53	28.84 1.54 -8.08	26.21 1.15 -7.38
NPX_GEN_CSC 323557	25.87 0.70 -16.48	19.93 0.71 -10.28	18.92 0.69 -9.20	16.06 0.51 -9.05	16.40 0.68 -7.13	18.20 0.69 -8.60	25.91 1.12 -12.39	30.71 1.36 -14.69	30.56 1.78 -9.82	30.22 1.89 -9.06	27.54 1.75 -6.61	28.60 1.77 -7.56	30.08 1.75 -9.06	41.07 1.85 -19.91	43.74 1.85 -22.45	43.07 1.73 -22.27	53.97 1.53 -36.97	57.02 1.98 -36.00	59.96 1.92 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.55	29.22 1.90 -8.09	26.72 1.66 -7.38
NSINS_S_GLNS_FALLS 23858	22.97 0.17 -14.10	19.59 0.21 -10.44	17.90 0.19 -8.69	18.32 0.14 -11.68	17.98 0.18 -9.21	20.07 0.17 -11.00	23.36 0.38 -10.56	29.22 0.38 -14.19	25.47 0.47 -6.03	23.75 0.50 -3.98	25.59 0.56 -5.84	26.68 0.58 -6.84	29.33 0.60 -9.46	31.98 0.64 -12.04	34.11 0.72 -13.95	37.64 0.76 -17.82	45.89 0.66 -29.76	60.48 0.88 -40.56	60.65 0.82 -41.21	47.80 1.18 -22.50	47.05 1.20 -20.80	38.21 0.96 -16.82	30.50 0.83 -10.44	24.16 0.67 -5.81
NUCOR_STEEL__DRP 24197	10.14 0.12 -1.32	10.03 0.11 -0.98	9.96 0.12 -0.82	7.68 0.08 -1.10	9.55 0.10 -0.86	10.04 0.11 -1.03	13.62 0.22 -0.99	16.17 0.19 -1.33	20.03 0.47 -0.59	20.08 0.42 -0.39	20.20 0.42 -0.59	20.50 0.52 -0.71	20.45 0.23 -0.95	20.80 0.29 -1.21	21.13 0.29 -1.40	21.05 0.23 -1.76	18.58 0.19 -2.93	23.28 0.19 -4.05	22.87 0.15 -4.10	26.60 0.29 -2.18	27.35 0.30 -2.01	22.24 0.25 -1.56	20.39 0.19 -0.97	18.47 0.25 -0.54
NUMBER_THREE_WT_PWR 323818	9.15 0.05 -0.40	9.28 0.04 -0.30	9.28 0.01 -0.25	6.83 -0.01 -0.33	8.85 0.00 -0.26	9.22 0.01 -0.31	12.70 -0.01 -0.30	15.07 0.01 -0.40	19.10 -0.04 -0.17	19.30 -0.08 -0.11	19.23 -0.13 -0.17	19.38 -0.10 -0.21	19.44 -0.11 -0.29	19.38 -0.10 -0.37	19.77 -0.10 -0.42	19.46 -0.13 -0.53	16.22 -0.12 -0.89	20.34 0.08 -1.22	19.93 0.07 -1.24	24.98 0.19 -0.67	25.88 0.22 -0.62	21.05 0.14 -0.48	19.58 0.04 -0.31	17.87 0.02 -0.17
NYISO_LBMP_REFERENCE 24008	8.70 0.00 0.00	8.94 0.00 0.00	9.02 0.00 0.00	6.50 0.00 0.00	8.59 0.00 0.00	8.90 0.00 0.00	12.41 0.00 0.00	14.65 0.00 0.00	18.96 0.00 0.00	19.27 0.00 0.00	19.19 0.00 0.00	19.27 0.00 0.00	19.27 0.00 0.00	19.30 0.00 0.00	19.44 0.00 0.00	19.06 0.00 0.00	15.46 0.00 0.00	19.04 0.00 0.00	18.62 0.00 0.00	24.12 0.00 0.00	25.04 0.00 0.00	20.43 0.00 0.00	19.23 0.00 0.00	17.68 0.00 0.00
NYPA_BRENTWD__GT 24164	25.95 0.77 -16.48	20.01 0.79 -10.28	19.00 0.78 -9.20	16.13 0.58 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.04 1.24 -12.39	30.77 1.42 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.69 1.90 -6.61	28.73 1.91 -7.56	30.21 1.89 -9.06	41.19 1.97 -19.91	43.75 1.87 -22.45	42.95 1.62 -22.27	53.65 1.41 -36.78	57.05 1.81 -36.19	59.78 1.73 -39.43	50.73 2.20 -24.41	45.95 2.20 -18.71	36.01 2.00 -13.58	29.27 1.92 -8.12	26.83 1.77 -7.38
NYPA_GOWANUS__GT5 24156	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NYPA_GOWANUS__GT6 24157	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.75 1.11 -10.99	25.28 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.66 1.39 -25.80	57.14 1.90 -36.20	57.00 1.83 -36.56	45.74 2.22 -19.39	45.04 2.18 -17.83	35.22 1.76 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
NYPA_HARLEM_RVR_GT1 24160	20.25 0.63 -10.93	17.69 0.65 -8.10	16.40 0.64 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.04 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.13 1.50 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.16 1.76 -11.10	33.94 1.67 -12.83	36.51 1.58 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.76 1.90 -17.82	35.01 1.55 -13.03	28.99 1.67 -8.09	23.65 1.47 -4.50
NYPA_HARLEM_RVR_GT2 24161	20.25 0.63 -10.93	17.69 0.65 -8.10	16.40 0.64 -6.74	16.04 0.48 -9.05	16.35 0.63 -7.14	18.04 0.61 -8.52	21.53 0.94 -8.18	26.64 1.00 -10.99	25.13 1.50 -4.66	23.98 1.64 -3.08	25.80 1.71 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.16 1.76 -11.10	33.94 1.67 -12.83	36.51 1.58 -15.87	42.49 1.24 -25.79	56.92 1.68 -36.20	56.79 1.62 -36.56	45.44 1.93 -19.39	44.76 1.90 -17.82	35.01 1.55 -13.03	28.99 1.67 -8.09	23.65 1.47 -4.50
NYPA_KENT__GT 24152	20.25 0.63 -10.92	17.68 0.64 -8.09	16.38 0.62 -6.73	16.02 0.47 -9.05	16.33 0.61 -7.13	18.03 0.61 -8.52	21.56 0.97 -8.18	26.74 1.10 -10.99	25.27 1.63 -4.67	24.14 1.79 -3.09	25.94 1.84 -4.91	27.19 1.83 -6.09	29.84 1.79 -8.78	32.30 1.89 -11.10	34.12 1.85 -12.83	36.67 1.73 -15.88	42.63 1.36 -25.80	57.09 1.85 -36.20	56.94 1.77 -36.56	45.69 2.17 -19.39	44.97 2.10 -17.83	35.18 1.72 -13.03	29.01 1.69 -8.09	23.65 1.47 -4.50
NYPA_POUCH1__GT 24155	20.29 0.67 -10.92	17.71 0.68 -8.09	16.41 0.66 -6.73	16.04 0.49 -9.05	16.35 0.64 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.73 1.08 -10.99	25.25 1.61 -4.67	24.12 1.77 -3.09	25.96 1.86 -4.91	27.19 1.83 -6.09	29.71 1.68 -8.77	32.24 1.83 -11.10	34.06 1.79 -12.83	36.57 1.64 -15.87	42.56 1.30 -25.79	57.01 1.79 -36.18	56.90 1.73 -36.55	45.61 2.10 -19.39	44.89 2.03 -17.82	35.11 1.65 -13.03	29.01 1.69 -8.09	23.75 1.57 -4.50
NYPA_VERNON__GT2 24162	20.23 0.61 -10.92	17.67 0.64 -8.09	16.37 0.61 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.03 0.61 -8.52	21.56 0.97 -8.18	26.73 1.08 -10.99	25.25 1.61 -4.67	24.10 1.75 -3.09	25.90 1.80 -4.91	27.15 1.79 -6.09	29.80 1.75 -8.78	32.26 1.85 -11.10	34.08 1.81 -12.83	36.63 1.70 -15.88	42.61 1.34 -25.80	57.05 1.81 -36.20	56.89 1.71 -36.56	45.62 2.10 -19.39	44.92 2.05 -17.83	35.14 1.68 -13.03	28.97 1.65 -8.09	23.61 1.43 -4.50

NYPA_VERNON____GT3 24163	20.23	17.67	16.37	16.01	16.32	18.03	21.56	26.73	25.25	24.10	25.90	27.15	29.80	32.26	34.08	36.63	42.61	57.05	56.89	45.62	44.92	35.14	28.97	23.61
	0.61	0.64	0.61	0.46	0.60	0.61	0.97	1.08	1.61	1.75	1.80	1.79	1.75	1.85	1.81	1.70	1.34	1.81	1.71	2.10	2.05	1.68	1.65	1.43
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.20	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
NYPA____ASTORIA_CC1 323568	20.22	17.66	16.37	16.01	16.32	18.02	21.53	26.70	25.21	24.06	25.86	27.11	29.78	32.22	34.04	36.59	42.58	57.01	56.87	45.59	44.89	35.10	28.95	23.60
	0.60	0.63	0.61	0.46	0.60	0.60	0.94	1.06	1.57	1.71	1.76	1.75	1.73	1.81	1.77	1.66	1.31	1.77	1.69	2.07	2.03	1.64	1.63	1.41
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.20	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
NYPA____ASTORIA_CC2 323569	20.22	17.66	16.37	16.01	16.32	18.02	21.53	26.70	25.21	24.06	25.86	27.11	29.78	32.22	34.04	36.59	42.58	57.01	56.87	45.59	44.89	35.10	28.95	23.60
	0.60	0.63	0.61	0.46	0.60	0.60	0.94	1.06	1.57	1.71	1.76	1.75	1.73	1.81	1.77	1.66	1.31	1.77	1.69	2.07	2.03	1.64	1.63	1.41
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.20	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
NYPA____HOLTSVILL 23794	25.93	20.00	18.99	16.12	16.46	18.27	26.03	30.78	30.72	30.37	27.66	28.71	30.19	41.17	43.79	43.12	53.79	57.22	59.96	50.97	46.20	35.94	29.24	26.81
	0.76	0.78	0.77	0.57	0.74	0.77	1.23	1.44	1.94	2.04	1.86	1.89	1.87	1.95	1.91	1.79	1.55	1.98	1.92	2.44	2.46	1.96	1.92	1.75
	-16.48	-10.28	-9.20	-9.05	-7.13	-8.60	-12.39	-14.69	-9.82	-9.06	-6.61	-7.56	-9.06	-19.91	-22.45	-22.27	-36.78	-36.19	-39.43	-24.41	-18.71	-13.54	-8.09	-7.38
NYPA____HELLGATE_GT1 24158	20.25	17.69	16.40	16.04	16.35	18.04	21.53	26.64	25.13	23.98	25.80	27.05	29.70	32.18	33.94	36.51	42.49	56.92	56.79	45.44	44.76	35.01	28.99	23.65
	0.63	0.65	0.64	0.48	0.63	0.61	0.94	1.00	1.50	1.64	1.71	1.70	1.66	1.77	1.67	1.58	1.24	1.68	1.62	1.93	1.90	1.55	1.67	1.47
	-10.93	-8.10	-6.74	-9.05	-7.14	-8.52	-8.18	-10.99	-4.66	-3.08	-4.91	-6.09	-8.78	-11.10	-12.83	-15.87	-25.79	-36.20	-36.56	-19.39	-17.82	-13.03	-8.09	-4.50
NYPA____HELLGATE_GT2 24159	20.25	17.69	16.40	16.04	16.35	18.04	21.53	26.64	25.13	23.98	25.80	27.05	29.70	32.18	33.94	36.51	42.49	56.92	56.79	45.44	44.76	35.01	28.99	23.65
	0.63	0.65	0.64	0.48	0.63	0.61	0.94	1.00	1.50	1.64	1.71	1.70	1.66	1.77	1.67	1.58	1.24	1.68	1.62	1.93	1.90	1.55	1.67	1.47
	-10.93	-8.10	-6.74	-9.05	-7.14	-8.52	-8.18	-10.99	-4.66	-3.08	-4.91	-6.09	-8.78	-11.10	-12.83	-15.87	-25.79	-36.20	-36.56	-19.39	-17.82	-13.03	-8.09	-4.50
NYS_BARGE____HYD 23848	10.12	9.99	10.01	7.84	9.62	10.04	13.48	15.72	18.79	18.95	18.93	19.25	19.54	19.98	20.27	20.26	18.19	22.67	22.20	25.39	26.11	21.33	19.52	17.96
	-0.11	-0.09	0.04	0.06	0.03	-0.06	-0.09	-0.48	-0.83	-0.75	-0.92	-0.81	-0.87	-0.77	-0.85	-0.91	-0.68	-1.08	-1.19	-1.30	-1.30	-0.94	-0.85	-0.35
	-1.54	-1.14	-0.95	-1.28	-1.01	-1.20	-1.15	-1.55	-0.66	-0.43	-0.66	-0.79	-1.14	-1.45	-1.68	-2.12	-3.41	-4.71	-4.77	-2.57	-2.37	-1.84	-1.14	-0.63
OAK ORCHARD____HYD 24046	10.02	9.93	9.92	7.66	9.50	9.94	13.43	15.84	19.28	19.44	19.46	19.75	20.03	20.35	20.72	20.58	18.22	22.66	22.20	25.84	26.59	21.71	19.94	18.22
	0.01	0.02	0.09	0.07	0.06	0.01	0.04	-0.13	-0.25	-0.19	-0.29	-0.19	-0.19	-0.17	-0.14	-0.25	-0.15	-0.40	-0.48	-0.48	-0.48	-0.29	-0.25	0.00
	-1.31	-0.97	-0.81	-1.09	-0.86	-1.02	-0.98	-1.32	-0.56	-0.37	-0.56	-0.68	-0.96	-1.22	-1.41	-1.77	-2.91	-4.02	-4.07	-2.19	-2.02	-1.57	-0.97	-0.54
OAKDALE__35_KV_LOAD 356122	11.87	11.34	11.07	9.14	10.72	11.42	14.95	17.93	20.51	20.39	20.70	21.10	21.73	22.42	22.98	23.39	22.38	28.50	28.16	29.45	29.98	24.31	21.70	19.25
	0.13	0.14	0.17	0.12	0.15	0.14	0.26	0.22	0.25	0.27	0.21	0.27	0.25	0.31	0.29	0.25	0.19	0.17	0.13	0.27	0.28	0.27	0.23	0.32
	-3.04	-2.25	-1.87	-2.52	-1.98	-2.37	-2.28	-3.06	-1.30	-0.86	-1.30	-1.57	-2.21	-2.81	-3.25	-4.09	-6.73	-9.29	-9.41	-5.06	-4.67	-3.61	-2.24	-1.25
OCC_CHEM____DRP 24175	10.02	9.89	9.90	7.77	9.50	9.92	13.33	15.53	18.50	18.66	18.64	18.95	19.25	19.70	19.97	19.99	18.05	22.44	22.00	24.97	25.66	20.98	19.26	17.69
	-0.26	-0.22	-0.10	-0.05	-0.11	-0.21	-0.26	-0.72	-1.14	-1.06	-1.23	-1.14	-1.18	-1.08	-1.19	-1.22	-0.94	-1.45	-1.53	-1.79	-1.80	-1.33	-1.13	-0.64
	-1.58	-1.17	-0.97	-1.31	-1.03	-1.23	-1.18	-1.60	-0.68	-0.45	-0.68	-0.82	-1.16	-1.48	-1.71	-2.15	-3.53	-4.84	-4.91	-2.63	-2.43	-1.88	-1.17	-0.65
OH_GEN_PROXY 24063	10.11	9.98	9.99	7.83	9.60	10.01	13.46	15.71	18.76	18.90	18.90	19.23	19.51	19.96	20.26	20.26	18.42	22.50	22.25	25.35	26.05	21.30	19.48	17.90
	-0.16	-0.13	0.00	0.03	-0.01	-0.12	-0.12	-0.53	-0.87	-0.81	-0.96	-0.85	-0.91	-0.81	-0.87	-0.93	-0.71	-1.14	-1.23	-1.40	-1.40	-1.00	-0.90	-0.42
	-1.57	-1.16	-0.97	-1.30	-1.02	-1.22	-1.17	-1.58	-0.67	-0.44	-0.67	-0.81	-1.15	-1.46	-1.69	-2.13	-3.67	-4.60	-4.86	-2.62	-2.42	-1.87	-1.16	-0.64
OLIN_CORP_DRP 24177	10.06	9.94	9.94	7.82	9.55	9.96	13.35	15.57	18.55	18.70	18.68	18.99	19.30	19.75	20.01	20.04	18.10	22.49	22.05	25.07	25.77	21.07	19.32	17.73
	-0.22	-0.18	-0.06	0.00	-0.07	-0.18	-0.25	-0.69	-1.10	-1.02	-1.19	-1.10	-1.14	-1.04	-1.15	-1.18	-0.91	-1.41	-1.49	-1.69	-1.70	-1.25	-1.08	-0.60
	-1.58	-1.17	-0.98	-1.31	-1.03	-1.24	-1.19	-1.61	-0.68	-0.45	-0.69	-0.82	-1.17	-1.49	-1.72	-2.16	-3.55	-4.86	-4.92	-2.64	-2.43	-1.88	-1.17	-0.65
OLIN_CORP_DSASP 323712	10.02	9.88	9.90	7.76	9.50	9.92	13.33	15.53	18.50	18.65	18.64	18.94	19.25	19.70	19.96	19.97	18.00	22.42	21.98	24.98	25.67	20.99	19.22	17.69
	-0.26	-0.23	-0.10	-0.05	-0.11	-0.21	-0.26	-0.72	-1.14	-1.06	-1.23	-1.14	-1.18	-1.08	-1.19	-1.24	-0.96	-1.45	-1.53	-1.78	-1.80	-1.33	-1.17	-0.64
	-1.58	-1.17	-0.97	-1.31	-1.03	-1.23	-1.18	-1.59	-0.68	-0.45	-0.68	-0.81	-1.16	-1.48	-1.71	-2.15	-3.50	-4.83	-4.89	-2.64	-2.43	-1.88	-1.17	-0.65
ONEIDA_HERK_LFGE 323681	9.19	9.35	9.36	6.87	8.92	9.29	12.81	15.18	19.34	19.57	19.50	19.63	19.72	19.77	20.03	19.68	16.32	20.38	19.94	25.10	25.99	21.14	19.73	18.03
	0.16	0.15	0.13	0.08	0.11	0.12	0.15	0.19	0.23	0.21	0.17	0.19	0.21	0.15	0.23	0.17	0.11	0.30	0.28	0.41	0.43	0.31	0.23	0.19
	-0.34	-0.25	-0.21	-0.28	-0.22	-0.26	-0.25	-0.34	-0.14	-0.10	-0.14	-0.17	-0.24	-0.31	-0.36	-0.45	-0.75	-1.03	-1.05	-0.56	-0.52	-0.40	-0.27	-0.15
ONEIDA____115KV_TB4 55905	9.55	9.65	9.64	7.16	9.20	9.60	13.20	15.64	19.74	19.95	19.91	20.06	20.21	20.37	20.63	20.33	17.09	21.40	20.93	25.89	26.74	21.74	20.15	18.37
	0.29	0.29	0.27	0.18	0.25	0.26	0.36	0.41	0.53	0.52	0.48	0.50	0.54	0.54	0.58	0.51	0.37	0.63	0.56	0.68	0.70	0.53	0.44	0.42
	-0.57	-0.42	-0.35	-0.47	-0.37	-0.44	-0.42	-0.57	-0.24	-0.16	-0.24	-0.29	-0.41	-0.52	-0.60	-0.76	-1.26	-1.73	-1.76	-1.09	-1.00	-0.78	-0.48	-0.27

ONONDAGA_REF_OCCRA 23987	9.90 -0.01 -1.21	9.83 -0.01 -0.90	9.77 0.00 -0.75	7.50 -0.01 -1.00	9.37 -0.01 -0.79	9.84 -0.01 -0.95	13.36 0.04 -0.91	15.84 -0.03 -1.22	19.42 -0.06 -0.52	19.57 -0.04 -0.34	19.65 -0.06 -0.52	19.87 -0.02 -0.62	20.12 -0.02 -0.87	20.43 0.02 -1.11	20.74 0.02 -1.28	20.65 -0.02 -1.62	18.13 -0.02 -2.68	22.71 -0.04 -3.71	22.32 -0.06 -3.75	26.09 -0.02 -1.99	26.87 0.00 -1.83	21.85 0.00 -1.42	20.07 -0.04 -0.88	18.19 0.02 -0.49
ONONDAGA___COGEN 23986	9.84 0.00 -1.15	9.79 0.00 -0.85	9.73 0.00 -0.71	7.45 0.00 -0.95	9.33 0.00 -0.75	9.79 -0.01 -0.89	13.31 0.04 -0.86	15.79 -0.01 -1.15	19.39 -0.06 -0.49	19.55 -0.04 -0.32	19.60 -0.08 -0.49	19.83 -0.02 -0.59	20.07 -0.02 -0.82	20.36 0.02 -1.04	20.66 0.02 -1.20	20.55 -0.02 -1.51	17.99 -0.02 -2.54	22.53 -0.02 -3.50	22.11 -0.06 -3.55	26.01 0.00 -1.88	26.78 0.00 -1.74	21.78 0.00 -1.35	20.02 -0.04 -0.84	18.16 0.02 -0.46
ONTARIO___LFGE 23819	10.36 0.15 -1.51	10.23 0.16 -1.12	10.15 0.20 -0.93	7.89 0.14 -1.25	9.75 0.17 -0.99	10.26 0.18 -1.18	13.85 0.31 -1.13	16.41 0.23 -1.52	19.84 0.23 -0.65	19.94 0.25 -0.43	20.01 0.17 -0.65	20.31 0.27 -0.78	20.76 0.33 -1.17	21.18 0.39 -1.48	21.55 0.39 -1.72	21.53 0.30 -2.16	18.99 0.17 -3.35	23.80 0.13 -4.63	23.40 0.09 -4.69	26.94 0.29 -2.53	27.67 0.30 -2.33	22.50 0.26 -1.80	20.51 0.17 -1.11	18.62 0.32 -0.62
ORANGEVILLE_WT_PWR 323706	10.55 -0.01 -1.86	10.34 0.02 -1.38	10.30 0.14 -1.14	8.15 0.11 -1.54	9.92 0.12 -1.21	10.42 0.07 -1.45	13.96 0.16 -1.39	16.44 -0.09 -1.87	19.45 -0.30 -0.79	19.58 -0.21 -0.52	19.62 -0.37 -0.80	19.95 -0.27 -0.96	20.32 -0.31 -1.37	20.83 -0.21 -1.73	21.18 -0.27 -2.01	21.24 -0.34 -2.53	19.31 -0.26 -4.11	24.21 -0.51 -5.68	23.76 -0.61 -5.76	26.65 -0.58 -3.10	27.33 -0.57 -2.86	22.24 -0.41 -2.22	20.21 -0.38 -1.37	18.44 0.00 -0.76
ORANGEVILLE___ESR 323794	10.55 -0.01 -1.86	10.34 0.02 -1.38	10.30 0.14 -1.14	8.15 0.11 -1.54	9.92 0.12 -1.21	10.42 0.07 -1.45	13.96 0.16 -1.39	16.44 -0.09 -1.87	19.45 -0.30 -0.79	19.58 -0.21 -0.52	19.62 -0.37 -0.80	19.95 -0.27 -0.96	20.32 -0.31 -1.37	20.83 -0.21 -1.73	21.18 -0.27 -2.01	21.24 -0.34 -2.53	19.31 -0.26 -4.11	24.21 -0.51 -5.68	23.76 -0.61 -5.76	26.65 -0.58 -3.10	27.33 -0.57 -2.86	22.24 -0.41 -2.22	20.21 -0.38 -1.37	18.44 0.00 -0.76
OSWEGATCHIE___HYD 24044	8.76 -0.23 -0.30	8.92 -0.25 -0.22	8.92 -0.29 -0.19	6.53 -0.22 -0.25	8.50 -0.28 -0.20	8.86 -0.28 -0.24	12.23 -0.41 -0.23	14.55 -0.41 -0.30	18.48 -0.61 -0.13	18.68 -0.67 -0.09	18.64 -0.67 -0.13	18.75 -0.67 -0.16	18.81 -0.67 -0.22	18.77 -0.81 -0.28	19.04 -0.72 -0.32	18.76 -0.70 -0.40	15.54 -0.59 -0.67	19.43 -0.53 -0.92	19.09 -0.46 -0.93	24.10 -0.53 -0.50	24.95 -0.55 -0.46	20.28 -0.51 -0.36	18.92 -0.54 -0.23	17.28 -0.53 -0.13
OSWEGO___5 23606	9.43 -0.18 -0.92	9.44 -0.19 -0.68	9.42 -0.17 -0.57	7.14 -0.13 -0.76	9.01 -0.17 -0.60	9.43 -0.19 -0.72	12.86 -0.24 -0.69	15.24 -0.34 -0.92	18.90 -0.46 -0.39	19.08 -0.44 -0.26	19.10 -0.48 -0.39	19.31 -0.42 -0.47	19.51 -0.42 -0.67	19.74 -0.41 -0.84	20.01 -0.41 -0.98	19.85 -0.44 -1.23	17.14 -0.36 -2.03	21.39 -0.46 -2.81	20.98 -0.48 -2.85	25.10 -0.55 -1.53	25.88 -0.57 -1.42	21.08 -0.45 -1.10	19.46 -0.44 -0.67	17.70 -0.35 -0.37
OSWEGO___6 23613	9.43 -0.18 -0.92	9.44 -0.19 -0.68	9.42 -0.17 -0.57	7.14 -0.13 -0.76	9.01 -0.17 -0.60	9.43 -0.19 -0.72	12.86 -0.24 -0.69	15.24 -0.34 -0.92	18.90 -0.46 -0.39	19.08 -0.44 -0.26	19.10 -0.48 -0.39	19.31 -0.42 -0.47	19.51 -0.42 -0.67	19.74 -0.41 -0.84	20.01 -0.41 -0.98	19.85 -0.44 -1.23	17.14 -0.36 -2.03	21.39 -0.46 -2.81	20.98 -0.48 -2.85	25.10 -0.55 -1.53	25.88 -0.57 -1.42	21.08 -0.45 -1.10	19.46 -0.44 -0.67	17.70 -0.35 -0.37
OUTOKUMPU-AB___DRP 24206	10.23 -0.07 -1.60	10.10 -0.03 -1.19	10.10 0.09 -0.99	7.92 0.09 -1.33	9.70 0.07 -1.05	10.15 0.00 -1.25	13.64 0.02 -1.20	15.96 -0.32 -1.62	18.99 -0.66 -0.69	19.18 -0.54 -0.46	19.13 -0.75 -0.70	19.46 -0.64 -0.83	19.76 -0.69 -1.19	20.23 -0.58 -1.50	20.52 -0.66 -1.74	20.54 -0.71 -2.19	18.53 -0.53 -3.59	23.03 -0.93 -4.92	22.56 -1.04 -4.98	25.69 -1.11 -2.67	26.38 -1.13 -2.46	21.52 -0.82 -1.91	19.74 -0.67 -1.18	18.09 -0.25 -0.66
OXBOW___ 24026	10.14 -0.15 -1.59	10.01 -0.12 -1.18	10.01 0.01 -0.98	7.85 0.03 -1.32	9.62 -0.01 -1.04	10.05 -0.09 -1.24	13.52 -0.09 -1.19	15.77 -0.48 -1.60	18.79 -0.85 -0.68	18.96 -0.75 -0.45	18.93 -0.94 -0.68	19.26 -0.83 -0.82	19.55 -0.89 -1.17	20.00 -0.79 -1.49	20.29 -0.87 -1.73	20.30 -0.93 -2.17	18.28 -0.71 -3.52	22.77 -1.14 -4.87	22.30 -1.25 -4.93	25.38 -1.40 -2.66	26.09 -1.40 -2.45	21.31 -1.02 -1.90	19.50 -0.90 -1.18	17.93 -0.41 -0.65
OXY_CHEM_DSASP 323612	10.02 -0.26 -1.58	9.88 -0.23 -1.17	9.90 -0.10 -0.97	7.76 -0.05 -1.31	9.50 -0.11 -1.03	9.92 -0.21 -1.23	13.33 -0.26 -1.18	15.53 -0.72 -1.59	18.50 -1.14 -0.68	18.65 -1.06 -0.45	18.64 -1.23 -0.68	18.94 -1.14 -0.81	19.25 -1.18 -1.16	19.70 -1.08 -1.48	19.96 -1.19 -1.71	19.97 -1.24 -2.15	18.00 -0.96 -3.50	22.42 -1.45 -4.83	21.98 -1.53 -4.89	24.98 -1.78 -2.64	25.67 -1.80 -2.43	20.99 -1.33 -1.88	19.22 -1.17 -1.17	17.69 -0.64 -0.65
OZONE_PARK_ESR 323760	20.25 0.63 -10.92	17.68 0.65 -8.09	16.39 0.64 -6.73	16.02 0.47 -9.04	16.35 0.63 -7.13	18.07 0.65 -8.52	21.62 1.03 -8.18	26.83 1.19 -10.99	25.38 1.74 -4.67	24.22 1.87 -3.09	25.98 1.88 -4.91	27.25 1.89 -6.09	29.91 1.87 -8.78	32.36 1.95 -11.10	34.20 1.92 -12.83	36.75 1.81 -15.88	42.73 1.47 -25.80	57.17 1.94 -36.19	57.03 1.86 -36.55	45.81 2.29 -19.39	45.12 2.25 -17.82	35.30 1.84 -13.03	29.06 1.75 -8.09	23.68 1.50 -4.50
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	10.02 -0.26 -1.58	9.89 -0.22 -1.17	9.90 -0.10 -0.97	7.77 -0.05 -1.31	9.50 -0.11 -1.03	9.92 -0.21 -1.23	13.33 -0.26 -1.18	15.53 -0.72 -1.60	18.50 -1.14 -0.68	18.66 -1.06 -0.45	18.64 -1.23 -0.68	18.95 -1.14 -0.82	19.25 -1.18 -1.16	19.70 -1.08 -1.48	19.97 -1.19 -1.71	19.99 -1.22 -2.15	18.05 -0.94 -3.53	22.44 -1.45 -4.84	22.00 -1.53 -4.91	24.97 -1.79 -2.63	25.66 -1.80 -2.43	20.98 -1.33 -1.88	19.26 -1.13 -1.17	17.69 -0.64 -0.65
PACKARD__115KV_DUPONT_184 80571	10.02 -0.26 -1.58	9.89 -0.22 -1.17	9.90 -0.10 -0.97	7.77 -0.05 -1.31	9.50 -0.11 -1.03	9.92 -0.21 -1.23	13.33 -0.26 -1.18	15.53 -0.72 -1.60	18.50 -1.14 -0.68	18.66 -1.06 -0.45	18.64 -1.23 -0.68	18.95 -1.14 -0.82	19.25 -1.18 -1.16	19.70 -1.08 -1.48	19.97 -1.19 -1.71	19.99 -1.22 -2.15	18.05 -0.94 -3.53	22.44 -1.45 -4.84	22.00 -1.53 -4.91	24.97 -1.79 -2.63	25.66 -1.80 -2.43	20.98 -1.33 -1.88	19.26 -1.13 -1.17	17.69 -0.64 -0.65
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	20.26 0.63 -10.93	17.69 0.65 -8.10	16.40 0.65 -6.73	16.03 0.48 -9.05	16.36 0.64 -7.13	18.05 0.62 -8.52	21.54 0.96 -8.18	26.67 1.03 -10.99	25.15 1.52 -4.67	24.01 1.66 -3.09	25.82 1.73 -4.91	27.05 1.70 -6.09	29.70 1.66 -8.78	32.18 1.78 -11.10	33.99 1.71 -12.83	36.54 1.60 -15.88	42.53 1.27 -25.80	56.97 1.73 -36.20	56.85 1.68 -36.56	45.49 1.98 -19.39	44.79 1.93 -17.82	35.09 1.63 -13.03	29.02 1.71 -8.09	23.67 1.49 -4.50

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	20.32 0.70 -10.93	17.75 0.72 -8.10	16.47 0.71 -6.73	16.08 0.53 -9.05	16.42 0.70 -7.13	18.11 0.69 -8.52	21.57 0.98 -8.18	26.68 1.04 -10.99	25.19 1.55 -4.67	24.03 1.68 -3.09	25.82 1.73 -4.91	27.17 1.81 -6.09	29.70 1.66 -8.78	32.18 1.78 -11.10	33.99 1.71 -12.83	36.52 1.58 -15.88	42.52 1.25 -25.80	56.93 1.69 -36.20	56.83 1.66 -36.56	45.49 1.98 -19.39	44.79 1.93 -17.82	35.09 1.63 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
PATROON__115KV_TB1 80586	22.51 0.18 -13.63	19.23 0.20 -10.09	17.65 0.23 -8.40	17.94 0.16 -11.28	17.69 0.21 -8.90	19.75 0.21 -10.63	22.86 0.25 -10.20	28.64 0.28 -13.71	25.19 0.40 -5.83	23.52 0.40 -3.85	25.26 0.42 -5.65	26.30 0.42 -6.61	28.86 0.44 -9.15	31.37 0.42 -11.64	33.38 0.45 -13.49	36.73 0.44 -17.23	44.59 0.36 -28.78	58.68 0.42 -39.22	58.88 0.41 -39.85	46.43 0.55 -21.75	45.70 0.55 -20.11	37.13 0.45 -16.25	29.72 0.40 -10.09	23.67 0.37 -5.62
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	10.32 -0.12 -1.74	10.13 -0.10 -1.29	10.10 0.01 -1.07	7.97 0.03 -1.44	9.71 -0.01 -1.14	10.21 -0.05 -1.36	13.70 -0.01 -1.30	16.14 -0.28 -1.76	19.10 -0.61 -0.75	19.28 -0.48 -0.49	19.27 -0.67 -0.75	19.61 -0.56 -0.90	19.93 -0.62 -1.28	20.43 -0.50 -1.62	20.76 -0.56 -1.88	20.82 -0.61 -2.37	18.87 -0.48 -3.88	23.51 -0.86 -5.33	23.03 -0.99 -5.40	25.98 -1.04 -2.90	26.66 -1.05 -2.67	21.72 -0.78 -2.07	19.82 -0.69 -1.28	18.09 -0.30 -0.71
PAWLING_115_KV_BK3_REV_LBMP_H 345028	20.19 0.57 -10.93	17.61 0.57 -8.09	16.33 0.57 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.14	18.00 0.57 -8.53	21.44 0.84 -8.18	26.62 0.97 -10.99	25.10 1.46 -4.68	23.91 1.56 -3.09	25.65 1.57 -4.88	26.94 1.64 -6.04	29.62 1.68 -8.68	32.06 1.78 -10.98	33.93 1.79 -12.70	36.51 1.72 -15.74	42.52 1.44 -25.62	56.62 1.71 -35.87	56.50 1.64 -36.25	45.44 2.05 -19.26	44.76 2.00 -17.71	35.08 1.61 -13.03	28.84 1.52 -8.09	23.53 1.34 -4.50
PEEKSKILL____ 23653	19.96 0.52 -10.74	17.43 0.54 -7.95	16.16 0.52 -6.62	15.79 0.39 -8.89	16.11 0.51 -7.01	17.81 0.53 -8.38	21.27 0.82 -8.04	26.40 0.94 -10.80	24.94 1.38 -4.59	23.78 1.48 -3.03	25.49 1.48 -4.82	26.77 1.52 -5.99	29.39 1.50 -8.62	31.79 1.58 -10.91	33.61 1.56 -12.61	36.13 1.47 -15.60	42.01 1.19 -25.36	56.09 1.49 -35.56	55.95 1.41 -35.92	44.97 1.79 -19.06	44.31 1.75 -17.52	34.67 1.43 -12.81	28.54 1.37 -7.95	23.31 1.20 -4.43
PGE MADISON__WINDPWR 24146	12.32 0.76 -2.87	11.84 0.78 -2.12	11.50 0.71 -1.77	9.38 0.50 -2.37	11.13 0.67 -1.87	11.85 0.71 -2.24	15.60 1.04 -2.15	18.72 1.19 -2.88	21.65 1.46 -1.23	21.50 1.43 -0.81	21.66 1.25 -1.23	22.05 1.31 -1.48	22.64 1.29 -2.08	23.26 1.31 -2.64	23.90 1.40 -3.06	24.25 1.33 -3.85	22.85 1.04 -6.35	29.42 1.62 -8.76	29.10 1.60 -8.88	31.25 2.34 -4.79	31.91 2.46 -4.41	25.77 1.92 -3.42	23.01 1.67 -2.12	20.47 1.61 -1.18
PIERCEFIELD__HYD 23852	8.32 -0.38 0.00	8.54 -0.40 0.00	8.57 -0.45 0.00	6.17 -0.33 0.00	8.16 -0.43 0.00	8.49 -0.41 0.00	11.75 -0.66 0.00	14.02 -0.63 0.00	18.05 -0.91 0.00	18.28 -0.98 0.00	18.27 -0.92 0.00	18.30 -0.96 0.00	18.30 -0.96 0.00	18.22 -1.08 0.00	18.39 -1.05 0.00	18.03 -1.03 0.00	14.63 -0.84 0.00	18.17 -0.88 0.00	17.87 -0.74 0.00	23.18 -0.94 0.00	23.99 -1.05 0.00	19.51 -0.92 0.00	18.32 -0.90 0.00	16.81 -0.87 0.00
PINELAWN_CC_1 323563	25.92 0.75 -16.48	19.98 0.76 -10.28	18.98 0.76 -9.20	16.11 0.56 -9.05	16.45 0.73 -7.13	18.26 0.76 -8.60	26.00 1.20 -12.39	30.72 1.38 -14.69	30.72 1.94 -9.82	30.37 2.04 -9.06	27.69 1.90 -6.61	28.73 1.91 -7.56	30.21 1.89 -9.06	41.17 1.95 -19.91	43.77 1.89 -22.45	43.12 1.79 -22.27	53.77 1.53 -36.78	57.18 1.94 -36.19	59.95 1.90 -39.43	50.93 2.39 -24.41	46.15 2.40 -18.71	35.96 1.98 -13.55	29.24 1.92 -8.09	26.79 1.73 -7.38
PJM_GEN_HTP_PROXY 323702	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.04	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.71 1.07 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.08	25.80 1.71 -4.91	27.07 1.71 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.76 1.30 -25.99	56.73 1.69 -35.99	56.79 1.62 -36.55	45.57 2.05 -19.39	44.87 2.00 -17.83	35.09 1.64 -13.03	28.89 1.58 -8.09	23.54 1.36 -4.50
PJM_GEN_KEystone 24065	15.37 0.23 -6.43	13.96 0.25 -4.76	13.28 0.29 -3.96	12.05 0.22 -5.33	13.06 0.27 -4.20	14.18 0.26 -5.02	17.66 0.43 -4.82	21.51 0.38 -6.47	22.21 0.49 -2.75	21.66 0.58 -1.82	22.58 0.52 -2.87	23.39 0.58 -3.55	24.88 0.52 -5.10	26.37 0.62 -6.45	27.46 0.56 -7.45	28.80 0.49 -9.25	31.11 0.40 -15.25	40.31 0.40 -20.87	40.22 0.32 -21.29	35.90 0.46 -11.32	35.90 0.45 -10.41	28.55 0.45 -7.67	24.43 0.44 -4.76	20.86 0.53 -2.65
PJM_GEN_NEPTUNE_PROXY 323594	22.75 0.65 -13.40	18.69 0.68 -9.07	17.53 0.67 -7.83	16.05 0.50 -9.05	16.37 0.65 -7.13	18.13 0.67 -8.56	23.51 1.04 -10.06	28.50 1.20 -12.64	27.66 1.73 -6.97	26.83 1.81 -5.75	26.58 1.73 -5.67	27.75 1.73 -6.75	29.88 1.71 -8.91	36.12 1.77 -15.04	38.30 1.73 -17.12	39.43 1.64 -18.73	48.96 1.36 -32.13	56.79 1.75 -36.00	58.46 1.68 -38.16	48.45 2.12 -22.20	45.46 2.10 -18.32	35.48 1.74 -13.32	29.01 1.69 -8.09	25.31 1.52 -6.11
PJM_GEN_VFT_PROXY 323633	20.15 0.53 -10.92	17.59 0.55 -8.09	16.29 0.53 -6.73	15.97 0.42 -9.05	16.26 0.54 -7.13	17.98 0.55 -8.52	21.47 0.88 -8.18	26.64 1.00 -10.99	25.13 1.50 -4.67	23.97 1.62 -3.09	25.75 1.65 -4.91	27.02 1.66 -6.09	29.66 1.62 -8.78	32.08 1.68 -11.10	33.91 1.63 -12.83	36.48 1.54 -15.88	42.68 1.22 -26.00	56.65 1.62 -35.99	56.70 1.53 -36.56	45.42 1.91 -19.39	44.75 1.88 -17.83	34.97 1.51 -13.03	28.79 1.48 -8.09	23.45 1.27 -4.50
PLATSBRG_115KV_PMLD1 355749	8.50 -0.20 0.00	8.72 -0.22 0.00	8.77 -0.25 0.00	6.32 -0.18 0.00	8.39 -0.20 0.00	8.75 -0.15 0.00	12.27 -0.14 0.00	14.63 -0.03 0.00	18.85 -0.11 0.00	19.01 -0.25 0.00	19.05 -0.13 0.00	19.05 -0.21 0.00	19.05 -0.21 0.00	18.98 -0.33 0.00	19.17 -0.27 0.00	18.75 -0.30 0.00	15.00 -0.46 0.00	18.62 -0.42 0.00	18.49 -0.13 0.00	24.15 0.02 0.00	25.01 -0.03 0.00	20.33 -0.10 0.00	19.11 -0.12 0.00	17.54 -0.14 0.00
PLEASANTVLY__LBMP 24000	20.54 0.46 -11.38	17.85 0.47 -8.43	16.52 0.48 -7.01	16.28 0.35 -9.43	16.48 0.46 -7.43	18.25 0.47 -8.88	21.65 0.72 -8.52	26.94 0.84 -11.45	25.05 1.21 -4.87	23.75 1.27 -3.22	25.58 1.27 -5.12	26.92 1.29 -6.37	29.71 1.27 -9.18	32.24 1.33 -11.60	34.16 1.30 -13.41	36.89 1.24 -16.59	43.41 1.01 -26.94	58.12 1.28 -37.81	58.01 1.21 -38.19	45.89 1.52 -20.25	45.18 1.53 -18.61	35.25 1.25 -13.58	28.85 1.19 -8.43	23.40 1.03 -4.69
PLSNTVLE_13_KV_13.8KVDIST 80602	20.20 0.54 -10.97	17.61 0.55 -8.12	16.32 0.54 -6.76	15.99 0.40 -9.08	16.28 0.53 -7.16	18.00 0.54 -8.56	21.48 0.86 -8.21	26.67 0.98 -11.03	25.10 1.44 -4.69	23.89 1.52 -3.10	25.65 1.53 -4.93	26.95 1.56 -6.12	29.64 1.56 -8.82	32.07 1.62 -11.15	33.92 1.59 -12.89	36.53 1.52 -15.95	42.61 1.24 -25.91	56.94 1.56 -36.34	56.83 1.51 -36.71	45.48 1.88 -19.47	44.79 1.85 -17.90	35.04 1.53 -13.08	28.79 1.44 -8.12	23.44 1.24 -4.52

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	20.20 0.54 -10.97	17.61 0.55 -8.12	16.32 0.54 -6.76	15.99 0.40 -9.08	16.28 0.53 -7.16	18.00 0.54 -8.56	21.48 0.86 -8.21	26.67 0.98 -11.03	25.10 1.44 -4.69	23.89 1.52 -3.10	25.65 1.53 -4.93	26.95 1.56 -6.12	29.64 1.56 -8.82	32.07 1.62 -11.15	33.92 1.59 -12.89	36.53 1.52 -15.95	42.61 1.24 -25.91	56.94 1.56 -36.34	56.83 1.51 -36.71	45.48 1.88 -19.47	44.79 1.85 -17.90	35.04 1.53 -13.08	28.79 1.44 -8.12	23.44 1.24 -4.52
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	20.24 0.52 -11.02	17.64 0.54 -8.16	16.35 0.53 -6.79	16.02 0.39 -9.13	16.30 0.52 -7.20	18.03 0.53 -8.60	21.47 0.81 -8.25	26.66 0.92 -11.08	24.99 1.31 -4.71	23.75 1.37 -3.11	25.28 1.36 -4.73	26.33 1.39 -5.68	28.68 1.41 -8.01	30.93 1.47 -10.16	32.67 1.48 -11.75	35.29 1.43 -14.80	41.05 1.18 -24.41	54.21 1.47 -33.70	54.19 1.41 -34.16	44.32 1.79 -18.41	43.82 1.80 -16.98	35.03 1.45 -13.14	28.77 1.38 -8.16	23.42 1.20 -4.54
POLETTI____ 23519	20.19 0.57 -10.92	17.62 0.59 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.04	16.29 0.58 -7.13	18.01 0.59 -8.52	21.51 0.92 -8.18	26.68 1.04 -10.99	25.19 1.55 -4.67	24.03 1.68 -3.09	25.78 1.69 -4.91	27.05 1.70 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	33.99 1.71 -12.83	36.56 1.62 -15.88	42.56 1.30 -25.80	56.94 1.71 -36.19	56.81 1.64 -36.55	45.52 2.00 -19.39	44.84 1.98 -17.82	35.07 1.61 -13.03	28.87 1.56 -8.09	23.52 1.34 -4.50
PORT_JEFF_3 23555	25.96 0.78 -16.48	20.02 0.80 -10.28	19.01 0.78 -9.20	16.13 0.58 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.06 1.27 -12.39	30.83 1.48 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.71 1.92 -6.61	28.77 1.94 -7.56	30.27 1.94 -9.06	41.25 2.03 -19.91	43.89 2.00 -22.45	43.20 1.87 -22.27	53.87 1.62 -36.78	57.31 2.08 -36.19	60.06 2.01 -39.43	51.09 2.56 -24.41	46.30 2.56 -18.71	36.02 2.04 -13.55	29.30 1.98 -8.09	26.86 1.80 -7.38
PORT_JEFF_4 23616	25.96 0.78 -16.48	20.02 0.80 -10.28	19.01 0.78 -9.20	16.13 0.58 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.06 1.27 -12.39	30.83 1.48 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.71 1.92 -6.61	28.77 1.94 -7.56	30.27 1.94 -9.06	41.25 2.03 -19.91	43.89 2.00 -22.45	43.20 1.87 -22.27	53.87 1.62 -36.78	57.31 2.08 -36.19	60.06 2.01 -39.43	51.09 2.56 -24.41	46.30 2.56 -18.71	36.02 2.04 -13.55	29.30 1.98 -8.09	26.86 1.80 -7.38
PORT_JEFF_IC 23713	25.96 0.78 -16.48	20.02 0.80 -10.28	19.01 0.78 -9.20	16.14 0.59 -9.05	16.48 0.76 -7.13	18.30 0.79 -8.60	26.08 1.28 -12.39	30.84 1.50 -14.69	30.81 2.03 -9.82	30.45 2.12 -9.06	27.75 1.96 -6.61	28.83 2.00 -7.56	30.31 1.98 -9.06	41.29 2.07 -19.91	43.93 2.04 -22.45	43.26 1.92 -22.27	53.91 1.67 -36.78	57.37 2.13 -36.19	60.11 2.07 -39.43	51.17 2.63 -24.41	46.38 2.63 -18.71	36.06 2.09 -13.54	29.36 2.04 -8.09	26.90 1.84 -7.38
PPL PILGRIM_ST_GT1 24216	25.95 0.77 -16.48	20.01 0.79 -10.28	19.00 0.78 -9.20	16.13 0.58 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.04 1.24 -12.39	30.77 1.42 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.69 1.90 -6.61	28.73 1.91 -7.56	30.21 1.89 -9.06	41.19 1.97 -19.91	43.75 1.87 -22.45	42.95 1.62 -22.27	53.65 1.41 -36.78	57.05 1.81 -36.19	59.78 1.73 -39.43	50.73 2.20 -24.41	45.95 2.20 -18.71	36.01 2.00 -13.58	29.27 1.92 -8.12	26.83 1.77 -7.38
PPL PILGRIM_ST_GT2 24217	25.95 0.77 -16.48	20.01 0.79 -10.28	19.00 0.78 -9.20	16.13 0.58 -9.05	16.48 0.76 -7.13	18.29 0.78 -8.60	26.04 1.24 -12.39	30.77 1.42 -14.69	30.77 1.99 -9.82	30.43 2.10 -9.06	27.69 1.90 -6.61	28.73 1.91 -7.56	30.21 1.89 -9.06	41.19 1.97 -19.91	43.75 1.87 -22.45	42.95 1.62 -22.27	53.65 1.41 -36.78	57.05 1.81 -36.19	59.78 1.73 -39.43	50.73 2.20 -24.41	45.95 2.20 -18.71	36.01 2.00 -13.58	29.27 1.92 -8.12	26.83 1.77 -7.38
PPL_SHRM_GT3 24213	25.89 0.71 -16.48	19.94 0.72 -10.28	18.93 0.70 -9.20	16.08 0.53 -9.05	16.41 0.69 -7.13	18.21 0.70 -8.60	25.93 1.13 -12.39	30.72 1.38 -14.69	30.56 1.78 -9.82	30.22 1.89 -9.06	27.54 1.75 -6.61	28.60 1.77 -7.56	30.10 1.77 -9.06	41.09 1.87 -19.91	43.74 1.85 -22.45	43.07 1.73 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	51.00 2.46 -24.41	46.23 2.48 -18.71	35.94 1.96 -13.55	29.24 1.92 -8.09	26.74 1.68 -7.38
PPL_SHRM_GT4 24214	25.89 0.71 -16.48	19.94 0.72 -10.28	18.93 0.70 -9.20	16.08 0.53 -9.05	16.41 0.69 -7.13	18.21 0.70 -8.60	25.93 1.13 -12.39	30.72 1.38 -14.69	30.56 1.78 -9.82	30.22 1.89 -9.06	27.54 1.75 -6.61	28.60 1.77 -7.56	30.10 1.77 -9.06	41.09 1.87 -19.91	43.74 1.85 -22.45	43.07 1.73 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	51.00 2.46 -24.41	46.23 2.48 -18.71	35.94 1.96 -13.55	29.24 1.92 -8.09	26.74 1.68 -7.38
PROJECT____ORANGE 1 24174	9.71 -0.03 -1.05	9.68 -0.04 -0.77	9.64 -0.03 -0.64	7.35 -0.02 -0.87	9.23 -0.03 -0.68	9.68 -0.04 -0.82	13.19 0.00 -0.78	15.63 -0.07 -1.05	19.30 -0.11 -0.45	19.46 -0.10 -0.29	19.52 -0.12 -0.45	19.73 -0.08 -0.54	19.96 -0.06 -0.75	20.24 -0.02 -0.96	20.51 -0.04 -1.11	20.38 -0.08 -1.39	17.72 -0.06 -2.32	22.14 -0.10 -3.20	21.73 -0.13 -3.24	25.69 -0.12 -1.68	26.49 -0.10 -1.55	21.55 -0.08 -1.20	19.86 -0.12 -0.75	18.06 -0.04 -0.42
PROJECT____ORANGE 2 24166	9.71 -0.03 -1.05	9.68 -0.04 -0.77	9.64 -0.03 -0.64	7.35 -0.02 -0.87	9.23 -0.03 -0.68	9.68 -0.04 -0.82	13.19 0.00 -0.78	15.63 -0.07 -1.05	19.30 -0.11 -0.45	19.46 -0.10 -0.29	19.52 -0.12 -0.45	19.73 -0.08 -0.54	19.96 -0.06 -0.75	20.24 -0.02 -0.96	20.51 -0.04 -1.11	20.38 -0.08 -1.39	17.72 -0.06 -2.32	22.14 -0.10 -3.20	21.73 -0.13 -3.24	25.69 -0.12 -1.68	26.49 -0.10 -1.55	21.55 -0.08 -1.20	19.86 -0.12 -0.75	18.06 -0.04 -0.42
PUCKETT____SOLAR 323809	12.09 0.30 -3.10	11.54 0.30 -2.30	11.25 0.32 -1.91	9.30 0.23 -2.57	10.90 0.29 -2.02	11.62 0.30 -2.42	15.22 0.48 -2.32	18.24 0.47 -3.12	20.80 0.51 -1.33	20.64 0.50 -0.88	20.90 0.38 -1.33	21.29 0.42 -1.60	21.94 0.42 -2.26	22.65 0.48 -2.86	23.24 0.49 -3.31	23.67 0.44 -4.17	22.69 0.36 -6.87	29.04 0.51 -9.48	28.73 0.50 -9.61	30.10 0.79 -5.18	30.69 0.88 -4.78	24.84 0.71 -3.70	22.13 0.62 -2.29	19.61 0.65 -1.27
PYRITES____HYD 24023	8.51 -0.19 0.00	8.74 -0.21 0.00	8.76 -0.26 0.00	6.30 -0.20 0.00	8.33 -0.26 0.00	8.67 -0.23 0.00	11.98 -0.43 0.00	14.29 -0.37 0.00	18.37 -0.59 0.00	18.61 -0.66 0.00	18.59 -0.59 0.00	18.63 -0.64 0.00	18.63 -0.64 0.00	18.55 -0.75 0.00	18.72 -0.72 0.00	18.35 -0.71 0.00	14.88 -0.59 0.00	18.51 -0.53 0.00	18.21 -0.41 0.00	23.62 -0.51 0.00	24.46 -0.58 0.00	19.88 -0.55 0.00	18.67 -0.56 0.00	17.11 -0.57 0.00
QUAKERRD_115KV_BK1 80622	9.78 -0.19 -1.27	9.71 -0.18 -0.94	9.67 -0.14 -0.78	7.47 -0.09 -1.05	9.28 -0.14 -0.83	9.70 -0.20 -0.99	13.13 -0.24 -0.95	15.49 -0.44 -1.28	18.88 -0.63 -0.54	19.05 -0.58 -0.36	19.06 -0.67 -0.55	19.34 -0.58 -0.66	19.62 -0.58 -0.94	19.93 -0.56 -1.19	20.27 -0.54 -1.37	20.18 -0.61 -1.73	17.81 -0.46 -2.82	22.19 -0.74 -3.90	21.76 -0.80 -3.95	25.34 -0.89 -2.11	26.09 -0.90 -1.95	21.27 -0.67 -1.51	19.55 -0.62 -0.94	17.79 -0.41 -0.52

QUENSBRY_115KV_TB8 356137	22.96	19.57	17.88	18.31	17.96	20.06	23.35	29.23	25.46	23.75	25.59	26.69	29.34	32.00	34.13	37.69	45.95	60.54	60.73	47.83	47.07	38.23	30.50	24.15
	0.15	0.18	0.16	0.12	0.15	0.14	0.37	0.38	0.46	0.50	0.56	0.58	0.60	0.64	0.72	0.78	0.68	0.88	0.84	1.18	1.20	0.96	0.83	0.65
	-14.11	-10.45	-8.70	-11.69	-9.22	-11.01	-10.57	-14.20	-6.04	-3.99	-5.85	-6.85	-9.48	-12.06	-13.97	-17.85	-29.81	-40.62	-41.28	-22.53	-20.83	-16.83	-10.45	-5.82
RAMAPO____LBMP 323565	19.24	16.89	15.72	15.19	15.64	17.25	20.73	25.67	24.60	23.53	25.13	26.31	28.74	30.98	32.65	34.96	40.20	53.53	53.37	43.53	43.00	33.77	27.98	22.98
	0.50	0.52	0.51	0.38	0.50	0.52	0.81	0.92	1.35	1.43	1.44	1.46	1.44	1.53	1.48	1.37	1.11	1.37	1.30	1.64	1.63	1.37	1.33	1.17
	-10.04	-7.43	-6.18	-8.31	-6.55	-7.83	-7.51	-10.09	-4.29	-2.83	-4.50	-5.58	-8.03	-10.15	-11.73	-14.53	-23.63	-33.11	-33.45	-17.76	-16.33	-11.97	-7.43	-4.14
RANKINE____ 23646	10.36	10.20	10.18	8.01	9.79	10.26	13.78	16.18	19.20	19.38	19.36	19.70	20.02	20.51	20.83	20.88	18.87	23.52	23.04	26.09	26.77	21.84	19.96	18.25
	-0.03	0.00	0.12	0.10	0.09	0.04	0.10	-0.19	-0.49	-0.37	-0.56	-0.44	-0.50	-0.39	-0.45	-0.50	-0.39	-0.72	-0.86	-0.87	-0.88	-0.61	-0.52	-0.12
	-1.69	-1.25	-1.04	-1.40	-1.11	-1.32	-1.27	-1.71	-0.73	-0.48	-0.73	-0.88	-1.25	-1.59	-1.84	-2.31	-3.79	-5.21	-5.28	-2.83	-2.61	-2.02	-1.25	-0.70
RAVENSWOOD_GT2_1 24244	20.19	17.63	16.33	15.99	16.29	18.01	21.52	26.70	25.21	24.05	25.80	27.07	29.74	32.16	34.00	36.58	42.56	56.93	56.79	45.55	44.87	35.07	28.87	23.52
	0.57	0.60	0.58	0.44	0.57	0.59	0.93	1.06	1.57	1.70	1.71	1.71	1.70	1.76	1.73	1.64	1.30	1.69	1.62	2.03	2.00	1.61	1.56	1.34
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT2_2 24245	20.19	17.63	16.33	15.99	16.29	18.01	21.52	26.70	25.21	24.05	25.80	27.07	29.74	32.16	34.00	36.58	42.56	56.93	56.79	45.55	44.87	35.07	28.87	23.52
	0.57	0.60	0.58	0.44	0.57	0.59	0.93	1.06	1.57	1.70	1.71	1.71	1.70	1.76	1.73	1.64	1.30	1.69	1.62	2.03	2.00	1.61	1.56	1.34
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT2_3 24246	20.19	17.63	16.34	15.99	16.29	18.01	21.52	26.71	25.21	24.05	25.80	27.09	29.76	32.18	34.00	36.58	42.58	56.95	56.81	45.57	44.87	35.10	28.89	23.54
	0.57	0.60	0.59	0.44	0.58	0.59	0.93	1.07	1.57	1.70	1.71	1.73	1.71	1.77	1.73	1.64	1.31	1.71	1.64	2.05	2.00	1.64	1.58	1.36
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT2_4 24247	20.19	17.63	16.34	15.99	16.29	18.01	21.52	26.71	25.21	24.05	25.80	27.09	29.76	32.18	34.00	36.58	42.58	56.95	56.81	45.57	44.87	35.10	28.89	23.54
	0.57	0.60	0.59	0.44	0.58	0.59	0.93	1.07	1.57	1.70	1.71	1.73	1.71	1.77	1.73	1.64	1.31	1.71	1.64	2.05	2.00	1.64	1.58	1.36
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT3_1 24248	20.19	17.63	16.33	15.99	16.29	18.01	21.51	26.70	25.21	24.05	25.80	27.07	29.74	32.16	34.00	36.58	42.56	56.95	56.79	45.55	44.87	35.07	28.87	23.52
	0.57	0.60	0.58	0.44	0.57	0.59	0.92	1.06	1.57	1.70	1.71	1.71	1.70	1.76	1.73	1.64	1.30	1.71	1.62	2.03	2.00	1.61	1.56	1.34
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT3_2 24249	20.19	17.63	16.33	15.99	16.29	18.01	21.51	26.70	25.21	24.05	25.80	27.07	29.74	32.16	34.00	36.58	42.56	56.95	56.79	45.55	44.87	35.07	28.87	23.52
	0.57	0.60	0.58	0.44	0.57	0.59	0.92	1.06	1.57	1.70	1.71	1.71	1.70	1.76	1.73	1.64	1.30	1.71	1.62	2.03	2.00	1.61	1.56	1.34
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT3_3 24250	20.20	17.64	16.34	15.99	16.30	18.02	21.53	26.73	25.23	24.06	25.84	27.11	29.78	32.20	34.04	36.59	42.60	56.96	56.83	45.59	44.92	35.11	28.91	23.56
	0.58	0.61	0.59	0.44	0.58	0.60	0.94	1.08	1.59	1.71	1.75	1.75	1.73	1.80	1.77	1.66	1.33	1.73	1.66	2.07	2.05	1.65	1.59	1.38
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT3_4 24251	20.20	17.64	16.34	15.99	16.30	18.02	21.53	26.73	25.23	24.06	25.84	27.11	29.78	32.20	34.04	36.59	42.60	56.96	56.83	45.59	44.92	35.11	28.91	23.56
	0.58	0.61	0.59	0.44	0.58	0.60	0.94	1.08	1.59	1.71	1.75	1.75	1.73	1.80	1.77	1.66	1.33	1.73	1.66	2.07	2.05	1.65	1.59	1.38
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT_1 23729	20.23	17.67	16.37	16.01	16.32	18.03	21.56	26.73	25.25	24.10	25.90	27.15	29.80	32.26	34.08	36.63	42.61	57.05	56.89	45.62	44.92	35.14	28.97	23.61
	0.61	0.64	0.61	0.46	0.60	0.61	0.97	1.08	1.61	1.75	1.80	1.79	1.75	1.85	1.81	1.70	1.34	1.81	1.71	2.10	2.05	1.68	1.65	1.43
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.20	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT_10 24258	20.19	17.63	16.33	15.99	16.29	18.01	21.51	26.70	25.21	24.03	25.80	27.07	29.74	32.16	34.00	36.58	42.56	56.93	56.79	45.55	44.87	35.07	28.87	23.52
	0.57	0.60	0.58	0.44	0.57	0.59	0.92	1.06	1.57	1.68	1.71	1.71	1.70	1.76	1.73	1.64	1.30	1.69	1.62	2.03	2.00	1.61	1.56	1.34
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT_11 24259	20.19	17.63	16.33	15.99	16.29	18.01	21.51	26.70	25.21	24.03	25.80	27.07	29.74	32.16	34.00	36.58	42.56	56.93	56.79	45.55	44.87	35.07	28.87	23.52
	0.57	0.60	0.58	0.44	0.57	0.59	0.92	1.06	1.57	1.68	1.71	1.71	1.70	1.76	1.73	1.64	1.30	1.69	1.62	2.03	2.00	1.61	1.56	1.34
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50
RAVENSWOOD_GT_4 24252	20.19	17.63	16.33	15.99	16.29	18.00	21.51	26.70	25.21	24.03	25.79	27.07	29.74	32.16	34.00	36.56	42.56	56.92	56.79	45.55	44.87	35.07	28.87	23.52
	0.57	0.60	0.58	0.44	0.57	0.58	0.92	1.06	1.57	1.68	1.69	1.71	1.70	1.76	1.73	1.62	1.30	1.69	1.62	2.03	2.00	1.61	1.56	1.34
	-10.92	-8.09	-6.73	-9.05	-7.13	-8.52	-8.18	-10.99	-4.67	-3.09	-4.91	-6.09	-8.78	-11.10	-12.83	-15.88	-25.80	-36.19	-36.56	-19.39	-17.83	-13.03	-8.09	-4.50



RAVENSWOOD_GT_5 24254	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.00 0.58 -8.52	21.51 0.92 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.03 1.68 -3.09	25.79 1.69 -4.91	27.07 1.71 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.56 1.62 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.87 1.56 -8.09	23.52 1.34 -4.50
RAVENSWOOD_GT_6 24253	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.00 0.58 -8.52	21.51 0.92 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.03 1.68 -3.09	25.79 1.69 -4.91	27.07 1.71 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.56 1.62 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.87 1.56 -8.09	23.52 1.34 -4.50
RAVENSWOOD_GT_7 24255	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.00 0.58 -8.52	21.51 0.92 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.03 1.68 -3.09	25.79 1.69 -4.91	27.07 1.71 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.56 1.62 -15.88	42.56 1.30 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.87 1.56 -8.09	23.52 1.34 -4.50
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.51 0.92 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.03 1.68 -3.09	25.80 1.71 -4.91	27.07 1.71 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.93 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.87 1.56 -8.09	23.52 1.34 -4.50
RAVENSWOOD_GT_9 24257	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.51 0.92 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.03 1.68 -3.09	25.80 1.71 -4.91	27.07 1.71 -6.09	29.74 1.70 -8.78	32.16 1.76 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.93 1.69 -36.19	56.79 1.62 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.07 1.61 -13.03	28.87 1.56 -8.09	23.52 1.34 -4.50
RAVENSWOOD___1 23533	20.22 0.60 -10.92	17.66 0.63 -8.09	16.36 0.60 -6.73	16.01 0.46 -9.05	16.32 0.60 -7.13	18.02 0.60 -8.52	21.54 0.96 -8.18	26.71 1.07 -10.99	25.23 1.59 -4.67	24.09 1.73 -3.09	25.88 1.78 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.24 1.83 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.60 1.33 -25.80	57.03 1.79 -36.20	56.89 1.71 -36.56	45.62 2.10 -19.39	44.92 2.05 -17.83	35.11 1.65 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
RAVENSWOOD___2 23534	20.22 0.60 -10.92	17.66 0.63 -8.09	16.36 0.60 -6.73	16.01 0.46 -9.05	16.31 0.59 -7.13	18.02 0.60 -8.52	21.53 0.94 -8.18	26.71 1.07 -10.99	25.23 1.59 -4.67	24.09 1.73 -3.09	25.86 1.76 -4.91	27.13 1.77 -6.09	29.78 1.73 -8.78	32.24 1.83 -11.10	34.06 1.79 -12.83	36.61 1.68 -15.88	42.60 1.33 -25.80	57.03 1.79 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.11 1.65 -13.03	28.95 1.63 -8.09	23.60 1.41 -4.50
RAVENSWOOD___3 23535	20.19 0.57 -10.92	17.63 0.60 -8.09	16.33 0.58 -6.73	15.99 0.44 -9.05	16.29 0.57 -7.13	18.01 0.59 -8.52	21.52 0.93 -8.18	26.70 1.06 -10.99	25.21 1.57 -4.67	24.05 1.70 -3.09	25.80 1.71 -4.91	27.07 1.71 -6.09	29.74 1.70 -8.78	32.18 1.77 -11.10	34.00 1.73 -12.83	36.58 1.64 -15.88	42.56 1.30 -25.80	56.95 1.71 -36.19	56.81 1.64 -36.56	45.55 2.03 -19.39	44.87 2.00 -17.83	35.10 1.64 -13.03	28.89 1.58 -8.09	23.54 1.36 -4.50
RAVENSWOOD___4 23820	20.21 0.59 -10.92	17.65 0.62 -8.09	16.36 0.60 -6.73	16.01 0.46 -9.05	16.31 0.59 -7.13	18.01 0.59 -8.52	21.53 0.94 -8.18	26.71 1.07 -10.99	25.23 1.59 -4.67	24.06 1.71 -3.09	25.86 1.76 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.61 1.68 -15.88	42.58 1.31 -25.80	57.01 1.77 -36.20	56.87 1.69 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.83	35.11 1.65 -13.03	28.95 1.63 -8.09	23.58 1.40 -4.50
RCPL_TRUST___DRP 24196	20.21 0.59 -10.92	17.63 0.60 -8.09	16.35 0.60 -6.73	15.99 0.44 -9.04	16.31 0.59 -7.13	18.03 0.61 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.27 1.63 -4.67	24.10 1.75 -3.08	25.86 1.77 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.24 1.83 -11.10	34.06 1.79 -12.83	36.63 1.70 -15.88	42.62 1.36 -25.80	57.00 1.77 -36.19	56.86 1.69 -36.55	45.64 2.12 -19.39	44.94 2.08 -17.82	35.13 1.68 -13.03	28.95 1.63 -8.09	23.58 1.40 -4.50
RED___ROCHESTER 323720	10.07 0.06 -1.31	9.97 0.06 -0.97	9.96 0.14 -0.81	7.68 0.09 -1.08	9.54 0.10 -0.85	9.97 0.04 -1.02	13.49 0.10 -0.98	15.93 -0.04 -1.32	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.58 -0.17 -0.56	19.88 -0.06 -0.67	20.16 -0.06 -0.96	20.48 -0.04 -1.21	20.85 0.00 -1.40	20.71 -0.11 -1.77	18.33 -0.03 -2.90	22.77 -0.27 -4.00	22.31 -0.35 -4.05	25.99 -0.31 -2.18	26.75 -0.30 -2.01	21.85 -0.14 -1.56	20.07 -0.11 -0.96	18.34 0.12 -0.54
REGAN___SOLAR 323812	25.51 0.84 -15.97	21.65 0.88 -11.83	19.75 0.88 -9.84	20.37 0.64 -13.23	19.86 0.84 -10.43	22.23 0.86 -12.46	25.61 1.24 -11.96	32.04 1.32 -16.07	27.37 1.57 -6.83	25.38 1.60 -4.51	27.55 1.65 -6.71	28.98 1.77 -7.94	32.12 1.77 -11.08	35.22 1.83 -14.08	37.61 1.87 -16.30	41.74 1.98 -20.70	51.64 1.78 -34.40	68.50 2.32 -47.13	68.65 2.20 -47.84	53.04 2.94 -25.97	52.04 3.00 -23.99	41.92 2.43 -19.05	33.21 2.15 -11.83	26.12 1.86 -6.58
RENSSELAER___COGEN 23796	22.33 0.16 -13.48	19.09 0.16 -9.98	17.53 0.20 -8.31	17.80 0.13 -11.16	17.57 0.18 -8.80	19.60 0.18 -10.51	22.70 0.20 -10.09	28.43 0.22 -13.56	25.05 0.32 -5.77	23.40 0.33 -3.81	25.10 0.33 -5.59	26.14 0.33 -6.55	28.68 0.35 -9.07	31.13 0.29 -11.53	33.11 0.31 -13.36	36.41 0.29 -17.06	44.20 0.25 -28.49	58.17 0.29 -38.84	58.34 0.26 -39.46	46.04 0.38 -21.53	45.33 0.38 -19.91	36.82 0.31 -16.08	29.48 0.27 -9.98	23.52 0.28 -5.55
REPUBLIC_115KV_BARTNBRK 55605	23.32 0.52 -14.10	19.99 0.60 -10.44	18.29 0.58 -8.69	18.59 0.41 -11.68	18.33 0.53 -9.21	20.43 0.53 -11.00	23.95 0.98 -10.56	29.90 1.06 -14.19	26.25 1.25 -6.03	24.56 1.31 -3.98	26.49 1.46 -5.84	27.64 1.54 -6.84	30.23 1.50 -9.46	32.87 1.53 -12.04	35.08 1.69 -13.95	38.69 1.81 -17.82	46.77 1.55 -29.76	61.58 1.98 -40.56	61.73 1.90 -41.21	49.25 2.63 -22.49	48.62 2.78 -20.80	39.46 2.21 -16.82	31.63 1.96 -10.44	25.12 1.63 -5.81
REVERE_CPPR_DRP 24186	9.52 0.33 -0.50	9.65 0.34 -0.37	9.64 0.31 -0.31	7.12 0.21 -0.41	9.19 0.28 -0.32	9.59 0.30 -0.39	13.18 0.40 -0.37	15.64 0.48 -0.50	19.78 0.61 -0.21	20.00 0.60 -0.14	19.96 0.56 -0.21	20.10 0.58 -0.26	20.24 0.62 -0.36	20.36 0.60 -0.45	20.63 0.66 -0.53	20.31 0.59 -0.66	16.98 0.42 -1.10	21.30 0.74 -1.51	20.82 0.67 -1.53	25.93 0.87 -0.94	26.83 0.93 -0.87	21.78 0.67 -0.67	20.18 0.54 -0.42	18.41 0.50 -0.23

REYNOLDS_115KV_TB3 80639	22.44 0.23 -13.50	19.18 0.24 -10.00	17.62 0.27 -8.32	17.88 0.19 -11.18	17.65 0.25 -8.82	19.69 0.25 -10.54	22.82 0.30 -10.11	28.58 0.34 -13.58	25.21 0.47 -5.78	23.54 0.46 -3.81	25.21 0.46 -5.57	26.20 0.44 -6.49	28.68 0.46 -8.95	31.15 0.44 -11.40	33.11 0.47 -13.20	36.40 0.44 -16.91	44.13 0.37 -28.30	57.96 0.44 -38.48	58.15 0.41 -39.12	46.10 0.58 -21.39	45.41 0.58 -19.79	37.01 0.47 -16.11	29.67 0.44 -10.00	23.63 0.39 -5.57
RIVERBAY____ 323610	20.32 0.70 -10.93	17.75 0.72 -8.10	16.47 0.71 -6.73	16.08 0.53 -9.05	16.42 0.70 -7.13	18.11 0.69 -8.52	21.57 0.98 -8.18	26.68 1.04 -10.99	25.19 1.55 -4.67	24.03 1.68 -3.09	25.82 1.73 -4.91	27.17 1.81 -6.09	29.70 1.66 -8.78	32.18 1.78 -11.10	33.99 1.71 -12.83	36.52 1.58 -15.88	42.52 1.25 -25.80	56.93 1.69 -36.20	56.83 1.66 -36.56	45.49 1.98 -19.39	44.79 1.93 -17.82	35.09 1.63 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50
RIVERSDE_115KV_TB3 55908	22.41 0.19 -13.52	19.16 0.21 -10.01	17.59 0.23 -8.33	17.85 0.16 -11.19	17.62 0.21 -8.83	19.66 0.21 -10.55	22.78 0.25 -10.12	28.53 0.28 -13.60	25.13 0.38 -5.78	23.49 0.40 -3.82	25.16 0.38 -5.59	26.18 0.39 -6.53	28.69 0.40 -9.02	31.17 0.39 -11.48	33.13 0.39 -13.30	36.45 0.38 -17.01	44.21 0.31 -28.43	58.12 0.36 -38.71	58.32 0.35 -39.35	46.10 0.48 -21.49	45.42 0.50 -19.88	36.96 0.41 -16.12	29.60 0.37 -10.01	23.59 0.34 -5.57
ROARING____BROOK_WT_PWR 323790	8.34 -0.36 0.00	8.58 -0.37 0.00	8.66 -0.36 0.00	6.26 -0.24 0.00	8.29 -0.29 0.00	8.64 -0.27 0.00	12.03 -0.38 0.00	14.24 -0.41 0.00	18.41 -0.55 0.00	18.71 -0.56 0.00	18.67 -0.52 0.00	18.71 -0.56 0.00	18.71 -0.56 0.00	18.69 -0.62 0.00	18.82 -0.62 0.00	18.49 -0.57 0.00	15.01 -0.45 0.00	18.55 -0.50 0.00	18.19 -0.43 0.00	23.50 -0.63 0.00	24.29 -0.75 0.00	19.78 -0.65 0.00	18.65 -0.58 0.00	17.17 -0.51 0.00
ROCHESRG_115KV_T4 355643	9.97 -0.03 -1.30	9.91 0.00 -0.96	9.89 0.06 -0.80	7.63 0.05 -1.08	9.47 0.03 -0.85	9.89 -0.03 -1.01	13.38 0.00 -0.97	15.77 -0.19 -1.30	19.18 -0.34 -0.55	19.36 -0.27 -0.37	19.36 -0.38 -0.56	19.66 -0.27 -0.67	19.93 -0.29 -0.95	20.26 -0.25 -1.21	20.58 -0.25 -1.40	20.49 -0.32 -1.76	18.12 -0.22 -2.87	22.54 -0.48 -3.98	22.09 -0.56 -4.03	25.70 -0.58 -2.16	26.45 -0.58 -1.99	21.61 -0.37 -1.54	19.87 -0.31 -0.96	18.14 -0.07 -0.53
ROCHESTER_9_IC 23652	10.02 0.02 -1.31	9.95 0.04 -0.97	9.93 0.10 -0.81	7.66 0.07 -1.08	9.51 0.07 -0.85	9.94 0.02 -1.02	13.44 0.05 -0.98	15.86 -0.10 -1.31	19.29 -0.23 -0.56	19.48 -0.15 -0.37	19.48 -0.27 -0.56	19.78 -0.15 -0.67	20.05 -0.17 -0.96	20.38 -0.14 -1.21	20.73 -0.12 -1.40	20.62 -0.21 -1.77	18.24 -0.11 -2.89	22.68 -0.36 -4.00	22.21 -0.47 -4.06	25.84 -0.46 -2.17	26.62 -0.43 -2.00	21.72 -0.27 -1.55	20.00 -0.19 -0.96	18.25 0.04 -0.54
ROCKVIEW_13_KV_LD 356306	20.19 0.57 -10.92	17.60 0.57 -8.09	16.32 0.57 -6.73	15.97 0.42 -9.04	16.27 0.55 -7.13	17.99 0.57 -8.52	21.49 0.91 -8.18	26.68 1.04 -10.99	25.17 1.54 -4.67	23.99 1.64 -3.09	25.75 1.65 -4.91	27.05 1.70 -6.09	29.72 1.68 -8.78	32.16 1.76 -11.10	33.99 1.71 -12.83	36.58 1.64 -15.88	42.59 1.33 -25.80	56.92 1.69 -36.19	56.79 1.62 -36.55	45.54 2.03 -19.39	44.89 2.03 -17.82	35.09 1.63 -13.03	28.85 1.54 -8.09	23.51 1.33 -4.50
ROME____115KV_TB2 80656	9.52 0.33 -0.50	9.65 0.34 -0.37	9.64 0.31 -0.31	7.12 0.21 -0.41	9.19 0.28 -0.32	9.59 0.30 -0.39	13.18 0.40 -0.37	15.64 0.48 -0.50	19.78 0.61 -0.21	20.00 0.60 -0.14	19.96 0.56 -0.21	20.10 0.58 -0.26	20.24 0.62 -0.36	20.36 0.60 -0.45	20.63 0.66 -0.53	20.31 0.59 -0.66	16.98 0.42 -1.10	21.30 0.74 -1.51	20.82 0.67 -1.53	25.93 0.87 -0.94	26.83 0.93 -0.87	21.78 0.67 -0.67	20.18 0.54 -0.42	18.41 0.50 -0.23
ROSETON____1 23587	19.83 0.48 -10.66	17.34 0.50 -7.89	16.09 0.50 -6.57	15.70 0.36 -8.83	16.03 0.48 -6.96	17.71 0.49 -8.31	21.15 0.76 -7.98	26.24 0.86 -10.72	24.79 1.27 -4.56	23.60 1.33 -3.01	25.30 1.32 -4.78	26.55 1.35 -5.94	29.16 1.35 -8.55	31.52 1.41 -10.81	33.32 1.38 -12.50	35.84 1.31 -15.47	41.66 1.05 -25.14	55.62 1.33 -35.25	55.49 1.27 -35.61	44.64 1.62 -18.90	44.02 1.60 -17.37	34.45 1.31 -12.71	28.37 1.25 -7.89	23.17 1.10 -4.39
ROSETON____2 23588	19.83 0.48 -10.66	17.34 0.50 -7.89	16.09 0.50 -6.57	15.70 0.36 -8.83	16.03 0.48 -6.96	17.71 0.49 -8.31	21.15 0.76 -7.98	26.24 0.86 -10.72	24.79 1.27 -4.56	23.60 1.33 -3.01	25.30 1.32 -4.78	26.55 1.35 -5.94	29.16 1.35 -8.55	31.52 1.41 -10.81	33.32 1.38 -12.50	35.84 1.31 -15.47	41.66 1.05 -25.14	55.62 1.33 -35.25	55.49 1.27 -35.61	44.64 1.62 -18.90	44.02 1.60 -17.37	34.45 1.31 -12.71	28.37 1.25 -7.89	23.17 1.10 -4.39
ROTTSDAM_115KV_TB3 80664	23.32 0.30 -14.32	19.87 0.32 -10.60	18.16 0.32 -8.82	18.59 0.23 -11.86	18.24 0.30 -9.35	20.37 0.30 -11.17	23.59 0.46 -10.72	29.55 0.50 -14.40	25.75 0.66 -6.13	24.00 0.69 -4.04	25.86 0.69 -5.98	27.01 0.71 -7.04	29.76 0.71 -9.78	32.49 0.75 -12.44	34.62 0.78 -14.40	38.18 0.78 -18.34	46.66 0.65 -30.54	61.59 0.80 -41.75	61.77 0.76 -42.40	48.23 1.04 -23.07	47.42 1.05 -21.32	38.36 0.86 -17.07	30.62 0.79 -10.60	24.25 0.67 -5.90
RUSSELL____1 23602	10.07 0.06 -1.31	9.98 0.07 -0.97	9.96 0.14 -0.81	7.68 0.10 -1.08	9.54 0.10 -0.85	9.97 0.04 -1.02	13.49 0.10 -0.98	15.92 -0.04 -1.31	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.57 -0.17 -0.56	19.88 -0.06 -0.67	20.16 -0.06 -0.96	20.48 -0.04 -1.21	20.85 0.00 -1.40	20.71 -0.11 -1.77	18.32 -0.03 -2.89	22.78 -0.27 -4.00	22.30 -0.37 -4.06	25.98 -0.31 -2.17	26.74 -0.30 -2.00	21.84 -0.14 -1.55	20.09 -0.10 -0.96	18.34 0.12 -0.54
RUSSELL____2 23532	10.07 0.06 -1.31	9.98 0.07 -0.97	9.96 0.14 -0.81	7.68 0.10 -1.08	9.54 0.10 -0.85	9.97 0.04 -1.02	13.49 0.10 -0.98	15.92 -0.04 -1.31	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.57 -0.17 -0.56	19.88 -0.06 -0.67	20.16 -0.06 -0.96	20.48 -0.04 -1.21	20.85 0.00 -1.40	20.71 -0.11 -1.77	18.32 -0.03 -2.89	22.78 -0.27 -4.00	22.30 -0.37 -4.06	25.98 -0.31 -2.17	26.74 -0.30 -2.00	21.84 -0.14 -1.55	20.09 -0.10 -0.96	18.34 0.12 -0.54
RUSSELL____3 23549	10.07 0.06 -1.31	9.98 0.07 -0.97	9.96 0.14 -0.81	7.68 0.10 -1.08	9.54 0.10 -0.85	9.97 0.04 -1.02	13.49 0.10 -0.98	15.92 -0.04 -1.31	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.57 -0.17 -0.56	19.88 -0.06 -0.67	20.16 -0.06 -0.96	20.48 -0.04 -1.21	20.85 0.00 -1.40	20.71 -0.11 -1.77	18.32 -0.03 -2.89	22.78 -0.27 -4.00	22.30 -0.37 -4.06	25.98 -0.31 -2.17	26.74 -0.30 -2.00	21.84 -0.14 -1.55	20.09 -0.10 -0.96	18.34 0.12 -0.54
RUSSELL____4 23556	10.07 0.06 -1.31	9.98 0.07 -0.97	9.96 0.14 -0.81	7.68 0.10 -1.08	9.54 0.10 -0.85	9.97 0.04 -1.02	13.49 0.10 -0.98	15.92 -0.04 -1.31	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.57 -0.17 -0.56	19.88 -0.06 -0.67	20.16 -0.06 -0.96	20.48 -0.04 -1.21	20.85 0.00 -1.40	20.71 -0.11 -1.77	18.32 -0.03 -2.89	22.78 -0.27 -4.00	22.30 -0.37 -4.06	25.98 -0.31 -2.17	26.74 -0.30 -2.00	21.84 -0.14 -1.55	20.09 -0.10 -0.96	18.34 0.12 -0.54

RUSSELL___STATION 23914	10.07 0.06 -1.31	9.98 0.07 -0.97	9.96 0.14 -0.81	7.68 0.10 -1.08	9.54 0.10 -0.85	9.97 0.04 -1.02	13.49 0.10 -0.98	15.92 -0.04 -1.31	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.57 -0.17 -0.56	19.88 -0.06 -0.67	20.16 -0.06 -0.96	20.48 -0.04 -1.21	20.85 0.00 -1.40	20.71 -0.11 -1.77	18.32 -0.03 -2.89	22.78 -0.27 -4.00	22.30 -0.37 -4.06	25.98 -0.31 -2.17	26.74 -0.30 -2.00	21.84 -0.14 -1.55	20.09 -0.10 -0.96	18.34 0.12 -0.54
S SALMON___HYD 24043	9.46 -0.08 -0.84	9.49 -0.08 -0.62	9.45 -0.09 -0.52	7.13 -0.07 -0.70	9.04 -0.09 -0.55	9.44 -0.12 -0.66	12.91 -0.14 -0.63	15.30 -0.21 -0.85	19.00 -0.32 -0.36	19.18 -0.33 -0.24	19.20 -0.34 -0.36	19.43 -0.27 -0.43	19.60 -0.27 -0.61	19.81 -0.27 -0.77	20.08 -0.25 -0.89	19.88 -0.31 -1.12	17.07 -0.26 -1.87	21.37 -0.25 -2.58	20.97 -0.26 -2.61	25.31 -0.22 -1.41	26.21 -0.12 -1.30	21.32 -0.12 -1.00	19.65 -0.19 -0.62	17.90 -0.12 -0.34
S.PERRY__115KV_TB1 80734	10.76 0.30 -1.76	10.58 0.33 -1.30	10.50 0.39 -1.08	8.24 0.28 -1.46	10.08 0.34 -1.15	10.60 0.32 -1.37	14.25 0.52 -1.32	16.86 0.44 -1.77	20.13 0.42 -0.75	20.21 0.44 -0.50	20.19 0.25 -0.76	20.54 0.37 -0.91	20.88 0.33 -1.29	21.33 0.39 -1.64	21.72 0.39 -1.89	21.79 0.34 -2.39	19.70 0.34 -3.90	24.71 0.29 -5.38	24.31 0.24 -5.45	27.58 0.53 -2.92	28.36 0.63 -2.70	23.09 0.57 -2.09	21.08 0.56 -1.30	19.13 0.72 -0.72
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	10.25 -0.08 -1.63	10.11 -0.04 -1.21	10.11 0.08 -1.00	7.94 0.08 -1.35	9.71 0.06 -1.06	10.16 -0.02 -1.27	13.64 0.01 -1.22	15.96 -0.34 -1.65	19.00 -0.66 -0.70	19.17 -0.56 -0.46	19.16 -0.73 -0.70	19.50 -0.62 -0.85	19.79 -0.67 -1.20	20.25 -0.58 -1.52	20.56 -0.64 -1.76	20.59 -0.69 -2.22	18.58 -0.53 -3.64	23.13 -0.91 -5.00	22.66 -1.02 -5.07	25.73 -1.11 -2.72	26.44 -1.10 -2.51	21.60 -0.78 -1.94	19.76 -0.67 -1.20	18.10 -0.25 -0.67
SAWYER__23_KV_LOAD 55526	10.25 -0.08 -1.63	10.11 -0.04 -1.21	10.11 0.08 -1.00	7.94 0.08 -1.35	9.71 0.06 -1.06	10.16 -0.02 -1.27	13.64 0.01 -1.22	15.96 -0.34 -1.65	19.00 -0.66 -0.70	19.17 -0.56 -0.46	19.16 -0.73 -0.70	19.50 -0.62 -0.85	19.79 -0.67 -1.20	20.25 -0.58 -1.52	20.56 -0.64 -1.76	20.59 -0.69 -2.22	18.58 -0.53 -3.64	23.13 -0.91 -5.00	22.66 -1.02 -5.07	25.73 -1.11 -2.72	26.44 -1.10 -2.51	21.60 -0.78 -1.94	19.76 -0.67 -1.20	18.10 -0.25 -0.67
SELKIRK___I 23801	22.16 0.23 -13.23	18.98 0.24 -9.80	17.45 0.27 -8.15	17.65 0.19 -10.96	17.48 0.25 -8.64	19.47 0.25 -10.32	22.64 0.32 -9.91	28.32 0.35 -13.31	25.08 0.45 -5.66	23.46 0.46 -3.74	25.20 0.46 -5.55	26.29 0.46 -6.56	28.90 0.48 -9.15	31.30 0.37 -11.63	33.30 0.39 -13.47	36.57 0.40 -17.11	44.23 0.33 -28.44	58.37 0.38 -38.95	58.51 0.35 -39.54	46.13 0.53 -21.48	45.43 0.55 -19.84	36.66 0.45 -15.78	29.45 0.42 -9.80	23.61 0.48 -5.45
SELKIRK___II 23799	22.32 0.20 -13.42	19.09 0.21 -9.94	17.53 0.23 -8.27	17.77 0.16 -11.11	17.57 0.21 -8.77	19.59 0.22 -10.47	22.73 0.27 -10.05	28.46 0.31 -13.50	25.14 0.44 -5.74	23.50 0.44 -3.79	25.22 0.42 -5.61	26.32 0.44 -6.61	28.93 0.46 -9.20	31.29 0.29 -11.70	33.30 0.31 -13.55	36.58 0.29 -17.24	44.38 0.22 -28.70	58.51 0.23 -39.24	58.69 0.22 -39.85	46.16 0.36 -21.68	45.45 0.38 -20.03	36.75 0.31 -16.01	29.43 0.27 -9.94	23.60 0.39 -5.53
SENECA OSWGO___HYD 24041	9.50 -0.16 -0.95	9.49 -0.16 -0.71	9.46 -0.15 -0.59	7.18 -0.12 -0.79	9.04 -0.16 -0.62	9.48 -0.17 -0.74	12.94 -0.19 -0.71	15.34 -0.28 -0.96	18.99 -0.38 -0.41	19.15 -0.39 -0.27	19.19 -0.40 -0.41	19.39 -0.37 -0.49	19.61 -0.35 -0.69	19.85 -0.33 -0.87	20.14 -0.31 -1.01	19.99 -0.34 -1.27	17.30 -0.28 -2.11	21.60 -0.36 -2.92	21.20 -0.37 -2.96	25.31 -0.41 -1.59	26.11 -0.40 -1.47	21.24 -0.33 -1.14	19.58 -0.35 -0.70	17.82 -0.25 -0.39
SENECA___115KV_TB3 355854	10.37 -0.03 -1.69	10.22 0.02 -1.25	10.19 0.13 -1.04	8.02 0.12 -1.40	9.79 0.10 -1.11	10.27 0.04 -1.32	13.80 0.12 -1.27	16.19 -0.18 -1.71	19.24 -0.46 -0.73	19.42 -0.33 -0.48	19.40 -0.52 -0.73	19.74 -0.40 -0.88	20.05 -0.46 -1.25	20.54 -0.35 -1.59	20.87 -0.41 -1.84	20.90 -0.48 -2.31	18.90 -0.36 -3.79	23.54 -0.70 -5.21	23.05 -0.84 -5.28	26.11 -0.84 -2.83	26.82 -0.83 -2.61	21.86 -0.59 -2.02	19.98 -0.50 -1.25	18.27 -0.11 -0.70
SENECA___ENERGY 23797	10.10 0.03 -1.38	9.98 0.02 -1.02	9.92 0.05 -0.85	7.68 0.03 -1.14	9.53 0.04 -0.90	10.02 0.04 -1.08	13.58 0.14 -1.03	16.10 0.06 -1.39	19.65 0.10 -0.59	19.73 0.08 -0.39	19.80 0.02 -0.59	20.07 0.10 -0.71	20.49 0.14 -1.09	20.88 0.19 -1.38	21.24 0.19 -1.60	21.17 0.10 -2.01	18.49 -0.03 -3.06	23.17 -0.09 -4.22	22.77 -0.13 -4.28	26.38 -0.05 -2.31	27.14 -0.03 -2.13	22.06 -0.02 -1.65	20.16 -0.08 -1.01	18.30 0.05 -0.56
SHOEMAKER___GT 23640	18.47 0.43 -9.33	16.30 0.45 -6.91	15.22 0.44 -5.75	14.56 0.33 -7.73	15.11 0.43 -6.10	16.63 0.44 -7.28	20.10 0.69 -6.99	24.84 0.79 -9.39	24.08 1.12 -3.99	23.08 1.18 -2.64	24.54 1.17 -4.18	25.63 1.19 -5.17	27.88 1.18 -7.44	29.96 1.24 -9.41	31.55 1.23 -10.88	33.71 1.16 -13.49	38.37 0.97 -21.93	50.96 1.20 -30.72	50.81 1.15 -31.04	42.11 1.50 -16.49	41.70 1.50 -15.16	32.79 1.23 -11.14	27.31 1.17 -6.92	22.57 1.04 -3.85
SHOEMAKR_138KV_BK 111 55601	18.37 0.43 -9.24	16.24 0.45 -6.85	15.16 0.44 -5.70	14.49 0.33 -7.66	15.05 0.43 -6.04	16.56 0.45 -7.21	20.03 0.70 -6.92	24.75 0.79 -9.30	24.04 1.12 -3.96	23.05 1.18 -2.61	24.50 1.17 -4.14	25.58 1.19 -5.12	27.82 1.19 -7.36	29.85 1.24 -9.31	31.44 1.22 -10.77	33.57 1.16 -13.34	38.13 0.96 -21.71	50.65 1.20 -30.41	50.48 1.14 -30.73	41.92 1.47 -16.32	41.53 1.48 -15.01	32.66 1.21 -11.03	27.23 1.15 -6.85	22.52 1.03 -3.81
SHOREHAM_IC_1 23715	25.89 0.71 -16.48	19.94 0.72 -10.28	18.93 0.70 -9.20	16.08 0.53 -9.05	16.41 0.69 -7.13	18.21 0.70 -8.60	25.93 1.13 -12.39	30.72 1.38 -14.69	30.56 1.78 -9.82	30.22 1.89 -9.06	27.54 1.75 -6.61	28.60 1.77 -7.56	30.10 1.77 -9.06	41.09 1.87 -19.91	43.74 1.85 -22.45	43.07 1.73 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	51.00 2.46 -24.41	46.23 2.48 -18.71	35.94 1.96 -13.55	29.24 1.92 -8.09	26.74 1.68 -7.38
SHOREHAM_IC_2 23716	25.89 0.71 -16.48	19.94 0.72 -10.28	18.93 0.70 -9.20	16.08 0.53 -9.05	16.41 0.69 -7.13	18.21 0.70 -8.60	25.93 1.13 -12.39	30.72 1.38 -14.69	30.56 1.78 -9.82	30.22 1.89 -9.06	27.54 1.75 -6.61	28.60 1.77 -7.56	30.10 1.77 -9.06	41.09 1.87 -19.91	43.74 1.85 -22.45	43.07 1.73 -22.27	53.79 1.55 -36.78	57.23 2.00 -36.19	59.98 1.94 -39.43	51.00 2.46 -24.41	46.23 2.48 -18.71	35.94 1.96 -13.55	29.24 1.92 -8.09	26.74 1.68 -7.38
SISSONVILLE___ 23735	8.32 -0.38 0.00	8.54 -0.40 0.00	8.57 -0.45 0.00	6.17 -0.33 0.00	8.16 -0.43 0.00	8.49 -0.41 0.00	11.75 -0.66 0.00	14.02 -0.63 0.00	18.05 -0.91 0.00	18.28 -0.98 0.00	18.27 -0.92 0.00	18.30 -0.96 0.00	18.30 -0.96 0.00	18.22 -1.08 0.00	18.39 -1.05 0.00	18.03 -1.03 0.00	14.63 -0.84 0.00	18.17 -0.88 0.00	17.87 -0.74 0.00	23.18 -0.94 0.00	23.99 -1.05 0.00	19.51 -0.92 0.00	18.32 -0.90 0.00	16.81 -0.87 0.00

SITHE_IND_GS1 24169	9.29 -0.23 -0.82	9.32 -0.23 -0.60	9.30 -0.23 -0.50	7.02 -0.16 -0.68	8.89 -0.22 -0.53	9.30 -0.24 -0.64	12.72 -0.30 -0.61	15.07 -0.41 -0.82	18.76 -0.55 -0.35	18.94 -0.56 -0.23	18.96 -0.58 -0.35	19.15 -0.54 -0.42	19.32 -0.54 -0.59	19.54 -0.52 -0.75	19.79 -0.52 -0.87	19.60 -0.55 -1.09	16.82 -0.45 -1.81	20.97 -0.57 -2.50	20.57 -0.58 -2.53	24.79 -0.70 -1.36	25.60 -0.70 -1.26	20.83 -0.57 -0.97	19.27 -0.56 -0.60	17.57 -0.44 -0.33
SITHE_IND_GS2 24170	9.29 -0.23 -0.82	9.32 -0.23 -0.60	9.30 -0.23 -0.50	7.02 -0.16 -0.68	8.89 -0.22 -0.53	9.30 -0.24 -0.64	12.72 -0.30 -0.61	15.07 -0.41 -0.82	18.76 -0.55 -0.35	18.94 -0.56 -0.23	18.96 -0.58 -0.35	19.15 -0.54 -0.42	19.32 -0.54 -0.59	19.54 -0.52 -0.75	19.79 -0.52 -0.87	19.60 -0.55 -1.09	16.82 -0.45 -1.81	20.97 -0.57 -2.50	20.57 -0.58 -2.53	24.79 -0.70 -1.36	25.60 -0.70 -1.26	20.83 -0.57 -0.97	19.27 -0.56 -0.60	17.57 -0.44 -0.33
SITHE_IND_GS3 24171	9.29 -0.23 -0.82	9.32 -0.23 -0.60	9.30 -0.23 -0.50	7.02 -0.16 -0.68	8.89 -0.22 -0.53	9.30 -0.24 -0.64	12.72 -0.30 -0.61	15.07 -0.41 -0.82	18.76 -0.55 -0.35	18.94 -0.56 -0.23	18.96 -0.58 -0.35	19.15 -0.54 -0.42	19.32 -0.54 -0.59	19.54 -0.52 -0.75	19.79 -0.52 -0.87	19.60 -0.55 -1.09	16.82 -0.45 -1.81	20.97 -0.57 -2.50	20.57 -0.58 -2.53	24.79 -0.70 -1.36	25.60 -0.70 -1.26	20.83 -0.57 -0.97	19.27 -0.56 -0.60	17.57 -0.44 -0.33
SITHE_IND_GS4 24172	9.29 -0.23 -0.82	9.32 -0.23 -0.60	9.30 -0.23 -0.50	7.02 -0.16 -0.68	8.89 -0.22 -0.53	9.30 -0.24 -0.64	12.72 -0.30 -0.61	15.07 -0.41 -0.82	18.76 -0.55 -0.35	18.94 -0.56 -0.23	18.96 -0.58 -0.35	19.15 -0.54 -0.42	19.32 -0.54 -0.59	19.54 -0.52 -0.75	19.79 -0.52 -0.87	19.60 -0.55 -1.09	16.82 -0.45 -1.81	20.97 -0.57 -2.50	20.57 -0.58 -2.53	24.79 -0.70 -1.36	25.60 -0.70 -1.26	20.83 -0.57 -0.97	19.27 -0.56 -0.60	17.57 -0.44 -0.33
SITHE___BATAVIA 24024	10.25 0.08 -1.47	10.13 0.10 -1.09	10.14 0.21 -0.91	7.88 0.16 -1.22	9.72 0.17 -0.96	10.15 0.10 -1.15	13.65 0.14 -1.10	15.85 -0.28 -1.48	19.02 -0.57 -0.63	19.22 -0.46 -0.42	19.17 -0.65 -0.63	19.48 -0.54 -0.76	19.79 -0.62 -1.14	20.23 -0.52 -1.45	20.54 -0.58 -1.68	20.50 -0.67 -2.11	18.27 -0.45 -3.26	23.00 -0.53 -4.49	22.50 -0.67 -4.56	25.98 -0.60 -2.46	26.73 -0.57 -2.26	21.82 -0.37 -1.75	20.02 -0.29 -1.08	18.35 0.07 -0.60
SITHE___INDEPEND 23800	9.29 -0.23 -0.82	9.32 -0.23 -0.60	9.30 -0.23 -0.50	7.02 -0.16 -0.68	8.90 -0.22 -0.53	9.30 -0.24 -0.64	12.72 -0.30 -0.61	15.06 -0.41 -0.82	18.76 -0.55 -0.35	18.94 -0.56 -0.23	18.96 -0.58 -0.35	19.15 -0.54 -0.42	19.32 -0.54 -0.59	19.53 -0.52 -0.75	19.79 -0.52 -0.87	19.62 -0.53 -1.09	16.84 -0.43 -1.81	20.97 -0.57 -2.50	20.57 -0.58 -2.53	24.78 -0.70 -1.35	25.58 -0.70 -1.25	20.82 -0.57 -0.96	19.29 -0.54 -0.60	17.57 -0.44 -0.33
SITHE___MASSENA 23902	8.53 -0.17 0.00	8.77 -0.17 0.00	8.82 -0.20 0.00	6.36 -0.15 0.00	8.40 -0.19 0.00	8.72 -0.18 0.00	12.10 -0.31 0.00	14.38 -0.28 0.00	18.53 -0.44 0.00	18.78 -0.48 0.00	18.77 -0.42 0.00	18.80 -0.46 0.00	18.80 -0.46 0.00	18.76 -0.54 0.00	18.90 -0.54 0.00	18.56 -0.50 0.00	15.06 -0.40 0.00	18.60 -0.44 0.00	18.26 -0.35 0.00	23.64 -0.48 0.00	24.49 -0.55 0.00	19.96 -0.47 0.00	18.78 -0.44 0.00	17.24 -0.44 0.00
SITHE___OGDNSBRG 24021	8.54 -0.16 0.00	8.78 -0.16 0.00	8.81 -0.22 0.00	6.34 -0.17 0.00	8.38 -0.21 0.00	8.72 -0.19 0.00	12.08 -0.34 0.00	14.39 -0.26 0.00	18.51 -0.46 0.00	18.75 -0.52 0.00	18.73 -0.46 0.00	18.75 -0.52 0.00	18.76 -0.50 0.00	18.69 -0.62 0.00	18.86 -0.58 0.00	18.49 -0.57 0.00	15.00 -0.46 0.00	18.64 -0.40 0.00	18.32 -0.30 0.00	23.76 -0.36 0.00	24.59 -0.45 0.00	20.02 -0.41 0.00	18.80 -0.42 0.00	17.24 -0.44 0.00
SITHE___STERLING 23777	9.55 0.29 -0.57	9.65 0.29 -0.42	9.64 0.27 -0.35	7.16 0.18 -0.47	9.20 0.25 -0.37	9.60 0.26 -0.44	13.20 0.36 -0.42	15.63 0.41 -0.57	19.74 0.53 -0.24	19.95 0.52 -0.16	19.91 0.48 -0.24	20.06 0.50 -0.29	20.21 0.54 -0.41	20.36 0.54 -0.52	20.63 0.58 -0.60	20.33 0.51 -0.76	17.09 0.37 -1.26	21.40 0.63 -1.73	20.95 0.58 -1.76	25.75 0.67 -0.95	26.61 0.70 -0.87	21.64 0.53 -0.68	20.13 0.42 -0.48	18.37 0.42 -0.27
SLEIGHT__34_KV_TB1 80719	10.22 0.22 -1.30	10.12 0.21 -0.97	10.05 0.23 -0.80	7.75 0.16 -1.08	9.64 0.21 -0.85	10.14 0.22 -1.02	13.79 0.40 -0.98	16.35 0.38 -1.31	20.16 0.63 -0.57	20.26 0.62 -0.38	20.34 0.58 -0.58	20.63 0.67 -0.69	20.71 0.50 -0.95	21.07 0.56 -1.20	21.39 0.56 -1.39	21.28 0.48 -1.75	18.74 0.39 -2.89	23.45 0.42 -3.99	23.03 0.37 -4.05	26.86 0.58 -2.16	27.66 0.63 -1.99	22.46 0.49 -1.54	20.59 0.40 -0.96	18.67 0.46 -0.53
SOUTH CAIRO___GT 23612	21.59 0.29 -12.60	18.55 0.28 -9.33	17.10 0.32 -7.77	17.15 0.21 -10.44	17.11 0.29 -8.23	19.04 0.31 -9.83	22.31 0.46 -9.43	27.81 0.48 -12.68	24.94 0.59 -5.39	23.38 0.56 -3.56	25.04 0.52 -5.33	26.14 0.54 -6.34	28.92 0.79 -8.87	31.20 0.64 -11.26	33.24 0.76 -13.04	36.18 0.61 -16.51	43.43 0.59 -27.38	57.37 0.72 -37.60	57.53 0.76 -38.15	45.97 1.18 -20.66	45.34 1.23 -19.08	36.38 0.92 -15.03	29.33 0.77 -9.33	23.67 0.80 -5.19
SOUTH HAMPTN___IC 23720	26.02 0.84 -16.48	20.07 0.85 -10.28	19.07 0.85 -9.20	16.18 0.62 -9.05	16.54 0.82 -7.13	18.34 0.84 -8.60	26.15 1.35 -12.39	30.97 1.63 -14.69	30.93 2.14 -9.82	30.58 2.25 -9.06	27.94 2.15 -6.61	29.00 2.18 -7.56	30.48 2.16 -9.06	41.52 2.30 -19.91	44.16 2.27 -22.45	43.48 2.15 -22.27	54.13 1.89 -36.78	57.65 2.42 -36.19	60.41 2.36 -39.43	51.55 3.02 -24.41	46.80 3.05 -18.71	36.39 2.41 -13.55	29.64 2.33 -8.09	27.09 2.03 -7.38
SOUTHDOW__115KV_TB1 355954	10.84 0.29 -1.86	10.63 0.31 -1.38	10.60 0.43 -1.15	8.37 0.33 -1.54	10.19 0.39 -1.21	10.80 0.45 -1.45	14.52 0.72 -1.39	17.25 0.72 -1.88	20.35 0.59 -0.80	20.56 0.77 -0.52	20.50 0.52 -0.79	20.85 0.64 -0.95	21.17 0.56 -1.35	21.71 0.69 -1.71	22.01 0.58 -1.98	22.07 0.51 -2.50	19.93 0.37 -4.09	24.92 0.25 -5.63	24.32 0.00 -5.70	27.52 0.34 -3.06	28.24 0.38 -2.82	22.92 0.31 -2.19	20.87 0.29 -1.36	18.98 0.55 -0.76
SOUTHOLD_69_KV_BK 2 55809	26.13 0.96 -16.48	20.21 0.98 -10.28	19.22 0.99 -9.20	16.26 0.71 -9.05	16.65 0.93 -7.13	18.47 0.96 -8.60	26.30 1.50 -12.38	31.19 1.85 -14.69	31.25 2.47 -9.82	30.91 2.58 -9.06	28.31 2.51 -6.61	29.39 2.56 -7.56	30.85 2.52 -9.06	41.90 2.68 -19.91	44.55 2.66 -22.45	43.89 2.55 -22.27	54.48 2.24 -36.78	58.11 2.88 -36.19	60.87 2.83 -39.43	52.11 3.57 -24.41	47.38 3.63 -18.71	36.86 2.88 -13.54	30.07 2.75 -8.09	27.45 2.39 -7.38
SOUTHOLD___IC 23719	26.15 0.97 -16.48	20.21 0.98 -10.28	19.21 0.98 -9.20	16.28 0.73 -9.05	16.66 0.94 -7.13	18.48 0.97 -8.60	26.36 1.56 -12.39	31.24 1.89 -14.69	31.25 2.46 -9.82	30.91 2.58 -9.06	28.31 2.51 -6.61	29.39 2.56 -7.56	30.85 2.52 -9.06	41.90 2.68 -19.91	44.55 2.66 -22.45	43.89 2.55 -22.27	54.47 2.23 -36.78	58.09 2.86 -36.19	60.86 2.81 -39.43	52.13 3.60 -24.41	47.38 3.63 -18.71	36.84 2.86 -13.55	30.05 2.73 -8.09	27.44 2.39 -7.38

SPIERFLS_115KV_TB 1 80737	22.91 0.09 -14.12	19.52 0.12 -10.46	17.84 0.11 -8.70	18.27 0.07 -11.70	17.90 0.09 -9.23	20.01 0.09 -11.02	23.26 0.27 -10.58	29.13 0.26 -14.21	25.33 0.32 -6.04	23.60 0.35 -3.99	25.45 0.40 -5.86	26.55 0.42 -6.86	29.20 0.44 -9.50	31.87 0.48 -12.08	33.98 0.54 -13.99	37.54 0.61 -17.87	45.83 0.53 -29.84	60.43 0.70 -40.68	60.62 0.67 -41.33	47.64 0.96 -22.55	46.87 0.98 -20.86	38.03 0.76 -16.85	30.34 0.65 -10.46	24.01 0.51 -5.82
ST LAWRENCE____ 23600	8.45 -0.24 0.00	8.69 -0.25 0.00	8.75 -0.27 0.00	6.31 -0.19 0.00	8.34 -0.25 0.00	8.65 -0.25 0.00	12.00 -0.41 0.00	14.26 -0.39 0.00	18.39 -0.57 0.00	18.65 -0.62 0.00	18.61 -0.58 0.00	18.65 -0.62 0.00	18.65 -0.62 0.00	18.63 -0.68 0.00	18.78 -0.66 0.00	18.47 -0.59 0.00	15.00 -0.46 0.00	18.49 -0.55 0.00	18.13 -0.48 0.00	23.47 -0.65 0.00	24.31 -0.73 0.00	19.82 -0.61 0.00	18.67 -0.56 0.00	17.13 -0.55 0.00
STATE_CA_115KV_115_LB 55624	22.52 0.18 -13.64	19.24 0.20 -10.10	17.66 0.23 -8.40	17.95 0.16 -11.29	17.70 0.21 -8.91	19.75 0.21 -10.64	22.87 0.25 -10.21	28.65 0.28 -13.72	25.20 0.40 -5.83	23.52 0.40 -3.85	25.26 0.42 -5.65	26.31 0.42 -6.62	28.87 0.44 -9.16	31.38 0.42 -11.65	33.39 0.45 -13.50	36.74 0.44 -17.24	44.62 0.36 -28.80	58.71 0.42 -39.25	58.91 0.41 -39.88	46.45 0.55 -21.77	45.72 0.55 -20.13	37.15 0.45 -16.27	29.73 0.40 -10.10	23.67 0.37 -5.62
STATE_ST_34_KV_LOAD 55959	10.15 0.09 -1.37	10.04 0.08 -1.01	9.96 0.09 -0.84	7.70 0.07 -1.13	9.56 0.08 -0.89	10.05 0.08 -1.07	13.73 0.30 -1.02	16.31 0.28 -1.38	20.12 0.55 -0.61	20.18 0.52 -0.40	20.29 0.50 -0.61	20.59 0.60 -0.73	20.68 0.40 -1.01	21.05 0.46 -1.28	21.39 0.47 -1.48	21.33 0.40 -1.87	18.79 0.29 -3.03	23.55 0.32 -4.18	23.13 0.28 -4.24	26.84 0.46 -2.26	27.60 0.48 -2.08	22.43 0.39 -1.61	20.53 0.31 -1.00	18.59 0.35 -0.56
STATION 5_MISC_HYD 23604	10.02 0.02 -1.31	9.94 0.03 -0.97	9.93 0.10 -0.81	7.66 0.07 -1.08	9.51 0.07 -0.85	9.94 0.02 -1.02	13.44 0.05 -0.98	15.85 -0.12 -1.31	19.30 -0.23 -0.56	19.48 -0.15 -0.37	19.48 -0.27 -0.56	19.78 -0.15 -0.67	20.05 -0.17 -0.96	20.38 -0.13 -1.21	20.73 -0.12 -1.40	20.60 -0.23 -1.77	18.24 -0.12 -2.90	22.68 -0.36 -4.00	22.20 -0.46 -4.05	25.87 -0.43 -2.18	26.63 -0.43 -2.01	21.73 -0.27 -1.56	19.96 -0.23 -0.96	18.25 0.04 -0.54
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	10.08 0.07 -1.31	10.00 0.08 -0.97	9.95 0.12 -0.81	7.67 0.08 -1.09	9.54 0.09 -0.86	9.99 0.06 -1.02	13.52 0.12 -0.98	16.00 0.03 -1.32	19.50 -0.02 -0.56	19.65 0.02 -0.37	19.69 -0.06 -0.56	19.96 0.02 -0.67	20.27 0.04 -0.97	20.61 0.08 -1.23	20.96 0.10 -1.42	20.85 0.00 -1.79	18.40 0.03 -2.90	22.94 -0.11 -4.02	22.48 -0.20 -4.07	26.18 -0.12 -2.18	26.95 -0.10 -2.01	21.96 -0.02 -1.55	20.17 -0.02 -0.96	18.34 0.12 -0.54
STA_56_34_KV_BUS2_REV_LBMP_B 345033	9.97 -0.03 -1.30	9.89 -0.02 -0.96	9.86 0.04 -0.80	7.61 0.03 -1.07	9.45 0.02 -0.85	9.88 -0.04 -1.01	13.37 -0.01 -0.97	15.78 -0.18 -1.30	19.21 -0.30 -0.55	19.38 -0.25 -0.37	19.40 -0.35 -0.56	19.70 -0.23 -0.67	19.99 -0.23 -0.95	20.30 -0.21 -1.21	20.64 -0.19 -1.40	20.53 -0.29 -1.76	18.16 -0.17 -2.87	22.58 -0.44 -3.97	22.12 -0.52 -4.03	25.75 -0.53 -2.16	26.53 -0.50 -1.99	21.62 -0.35 -1.54	19.89 -0.29 -0.96	18.14 -0.07 -0.53
STA_56____34_KV_BUS2 355983	9.97 -0.03 -1.30	9.89 -0.02 -0.96	9.86 0.04 -0.80	7.61 0.03 -1.07	9.45 0.02 -0.85	9.88 -0.04 -1.01	13.37 -0.01 -0.97	15.78 -0.18 -1.30	19.21 -0.30 -0.55	19.38 -0.25 -0.37	19.40 -0.35 -0.56	19.70 -0.23 -0.67	19.99 -0.23 -0.95	20.30 -0.21 -1.21	20.64 -0.19 -1.40	20.53 -0.29 -1.76	18.16 -0.17 -2.87	22.58 -0.44 -3.97	22.12 -0.52 -4.03	25.75 -0.53 -2.16	26.53 -0.50 -1.99	21.62 -0.35 -1.54	19.89 -0.29 -0.96	18.14 -0.07 -0.53
STA_67____115KV_BK2 355882	10.00 0.00 -1.31	9.94 0.03 -0.97	9.91 0.08 -0.80	7.65 0.07 -1.08	9.50 0.06 -0.85	9.92 0.00 -1.02	13.43 0.04 -0.98	15.83 -0.13 -1.31	19.25 -0.27 -0.56	19.42 -0.21 -0.37	19.44 -0.31 -0.56	19.72 -0.21 -0.67	20.01 -0.21 -0.96	20.32 -0.19 -1.21	20.67 -0.17 -1.40	20.58 -0.25 -1.77	18.20 -0.15 -2.89	22.62 -0.42 -4.00	22.17 -0.50 -4.05	25.79 -0.51 -2.17	26.57 -0.48 -2.00	21.67 -0.31 -1.55	19.96 -0.23 -0.96	18.20 -0.02 -0.54
STA_7____115KV_9TRANS 80674	10.07 0.06 -1.31	9.98 0.07 -0.97	9.96 0.14 -0.81	7.68 0.10 -1.08	9.54 0.10 -0.85	9.97 0.04 -1.02	13.49 0.10 -0.98	15.92 -0.04 -1.31	19.39 -0.13 -0.56	19.58 -0.06 -0.37	19.57 -0.17 -0.56	19.88 -0.06 -0.67	20.16 -0.06 -0.96	20.48 -0.04 -1.21	20.85 0.00 -1.40	20.71 -0.11 -1.77	18.32 -0.03 -2.89	22.78 -0.27 -4.00	22.30 -0.37 -4.06	25.98 -0.31 -2.17	26.74 -0.30 -2.00	21.84 -0.14 -1.55	20.09 -0.10 -0.96	18.34 0.12 -0.54
STA_82____115KV_TB1 80780	10.02 0.01 -1.31	9.94 0.03 -0.97	9.92 0.09 -0.81	7.66 0.07 -1.09	9.50 0.06 -0.86	9.93 0.00 -1.02	13.43 0.04 -0.98	15.84 -0.13 -1.31	19.26 -0.27 -0.56	19.44 -0.19 -0.37	19.44 -0.31 -0.56	19.75 -0.19 -0.67	20.01 -0.21 -0.96	20.35 -0.17 -1.22	20.69 -0.16 -1.41	20.58 -0.25 -1.77	18.22 -0.14 -2.90	22.66 -0.40 -4.02	22.19 -0.50 -4.07	25.82 -0.48 -2.18	26.57 -0.48 -2.01	21.70 -0.29 -1.56	19.96 -0.23 -0.97	18.22 0.00 -0.54
STEEL____WIND 323596	10.36 -0.03 -1.69	10.19 -0.01 -1.25	10.18 0.12 -1.04	8.01 0.10 -1.40	9.79 0.09 -1.11	10.27 0.04 -1.32	13.79 0.11 -1.27	16.17 -0.19 -1.70	19.21 -0.47 -0.72	19.40 -0.35 -0.48	19.38 -0.54 -0.73	19.71 -0.42 -0.87	20.04 -0.48 -1.25	20.52 -0.37 -1.59	20.85 -0.43 -1.84	20.86 -0.51 -2.31	18.83 -0.39 -3.75	23.50 -0.72 -5.18	23.03 -0.84 -5.25	26.11 -0.85 -2.83	26.80 -0.85 -2.61	21.84 -0.61 -2.02	19.92 -0.56 -1.25	18.26 -0.12 -0.70
STEPHTWN_115KV_BK_2 55603	22.41 0.23 -13.48	19.18 0.26 -9.98	17.62 0.29 -8.31	17.87 0.20 -11.16	17.65 0.26 -8.80	19.68 0.27 -10.51	22.85 0.35 -10.09	28.59 0.38 -13.56	25.24 0.51 -5.77	23.59 0.52 -3.81	25.30 0.52 -5.59	26.33 0.52 -6.55	28.89 0.56 -9.07	31.38 0.54 -11.53	33.37 0.56 -13.36	36.69 0.57 -17.06	44.42 0.46 -28.49	58.43 0.55 -38.84	58.60 0.52 -39.46	46.38 0.72 -21.53	45.68 0.73 -19.91	37.10 0.59 -16.08	29.73 0.52 -9.98	23.73 0.50 -5.55
STEBEN_REC_LFGE 323667	11.15 0.29 -2.16	10.86 0.31 -1.60	10.73 0.38 -1.33	8.57 0.28 -1.79	10.35 0.35 -1.41	10.94 0.36 -1.69	14.62 0.60 -1.62	17.33 0.50 -2.18	20.36 0.47 -0.93	20.43 0.56 -0.61	20.52 0.40 -0.93	20.88 0.50 -1.11	21.35 0.50 -1.58	21.93 0.62 -2.01	22.31 0.54 -2.33	22.45 0.46 -2.93	20.62 0.37 -4.79	25.96 0.32 -6.60	25.56 0.26 -6.69	28.29 0.58 -3.59	28.95 0.60 -3.31	23.51 0.51 -2.56	21.28 0.46 -1.59	19.22 0.65 -0.89
STONY____BROOK 24151	25.97 0.79 -16.48	20.03 0.81 -10.28	19.02 0.79 -9.20	16.14 0.59 -9.05	16.49 0.77 -7.13	18.31 0.80 -8.60	26.10 1.30 -12.39	30.87 1.52 -14.69	30.85 2.07 -9.82	30.51 2.18 -9.06	27.81 2.01 -6.61	28.87 2.04 -7.56	30.37 2.04 -9.06	41.34 2.12 -19.91	43.99 2.10 -22.45	43.33 2.00 -22.27	53.96 1.72 -36.78	57.44 2.21 -36.19	60.17 2.12 -39.43	51.24 2.70 -24.41	46.45 2.71 -18.71	36.12 2.14 -13.54	29.39 2.08 -8.09	26.95 1.89 -7.38

STURGEON_POOL_HYD 23609	19.96 0.57 -10.69	17.44 0.58 -7.91	16.18 0.57 -6.59	15.78 0.42 -8.85	16.12 0.56 -6.98	17.82 0.58 -8.34	21.29 0.88 -8.00	26.41 1.01 -10.75	25.03 1.50 -4.57	23.86 1.58 -3.02	25.48 1.59 -4.70	26.65 1.64 -5.74	29.23 1.77 -8.19	31.59 1.91 -10.38	33.33 1.89 -12.00	35.66 1.64 -14.97	41.28 1.33 -24.49	54.84 1.69 -34.10	54.73 1.62 -34.50	44.56 2.00 -18.43	44.01 2.00 -16.97	34.81 1.63 -12.74	28.72 1.58 -7.91	23.41 1.33 -4.40
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	18.83 0.49 -9.65	16.59 0.50 -7.15	15.47 0.50 -5.95	14.86 0.36 -8.00	15.37 0.48 -6.31	16.93 0.50 -7.53	20.40 0.76 -7.23	25.23 0.86 -9.71	24.35 1.25 -4.13	23.32 1.33 -2.73	24.84 1.32 -4.33	25.97 1.35 -5.36	28.32 1.35 -7.71	30.46 1.41 -9.75	32.11 1.40 -11.27	34.33 1.32 -13.96	39.24 1.07 -22.70	52.17 1.31 -31.81	52.00 1.25 -32.14	42.78 1.59 -17.07	42.33 1.60 -15.69	33.25 1.31 -11.52	27.64 1.27 -7.15	22.77 1.11 -3.98
SWANROAD_115KV_TB1 355699	10.05 -0.22 -1.57	9.92 -0.18 -1.16	9.93 -0.06 -0.97	7.80 0.00 -1.30	9.54 -0.07 -1.02	9.95 -0.17 -1.22	13.34 -0.25 -1.17	15.56 -0.69 -1.59	18.54 -1.10 -0.68	18.69 -1.02 -0.45	18.68 -1.19 -0.68	18.98 -1.10 -0.82	19.29 -1.14 -1.16	19.73 -1.04 -1.47	20.00 -1.15 -1.70	20.02 -1.18 -2.14	18.06 -0.91 -3.51	22.43 -1.41 -4.80	21.99 -1.49 -4.87	25.07 -1.66 -2.61	25.77 -1.68 -2.41	21.07 -1.23 -1.86	19.31 -1.08 -1.16	17.72 -0.60 -0.64
SYNERGY___BIOGAS 323694	10.25 0.08 -1.47	10.13 0.10 -1.09	10.14 0.21 -0.91	7.88 0.16 -1.22	9.72 0.17 -0.96	10.15 0.10 -1.15	13.65 0.14 -1.10	15.85 -0.28 -1.48	19.02 -0.57 -0.63	19.22 -0.46 -0.42	19.17 -0.65 -0.63	19.48 -0.54 -0.76	19.79 -0.62 -1.14	20.23 -0.52 -1.45	20.54 -0.58 -1.68	20.50 -0.67 -2.11	18.27 -0.45 -3.26	23.00 -0.53 -4.49	22.50 -0.67 -4.56	25.98 -0.60 -2.46	26.73 -0.57 -2.26	21.82 -0.37 -1.75	20.02 -0.29 -1.08	18.35 0.07 -0.60
SYRACUSE___ENERGY_ST1 323597	9.84 0.00 -1.15	9.79 0.00 -0.85	9.73 0.00 -0.71	7.45 0.00 -0.95	9.33 0.00 -0.75	9.79 -0.01 -0.89	13.31 0.04 -0.86	15.79 -0.01 -1.15	19.40 -0.06 -0.49	19.55 -0.04 -0.32	19.60 -0.08 -0.49	19.84 -0.02 -0.59	20.07 -0.02 -0.82	20.36 0.02 -1.04	20.66 0.02 -1.20	20.55 -0.02 -1.51	17.99 -0.02 -2.54	22.53 -0.02 -3.50	22.11 -0.06 -3.55	26.04 0.00 -1.91	26.80 0.00 -1.77	21.80 0.00 -1.37	20.02 -0.04 -0.84	18.16 0.02 -0.46
SYRACUSE___ENERGY_ST2 323598	9.84 0.00 -1.15	9.79 0.00 -0.85	9.73 0.00 -0.71	7.45 0.00 -0.95	9.33 0.00 -0.75	9.79 -0.01 -0.89	13.31 0.04 -0.86	15.79 -0.01 -1.15	19.40 -0.06 -0.49	19.55 -0.04 -0.32	19.60 -0.08 -0.49	19.84 -0.02 -0.59	20.07 -0.02 -0.82	20.36 0.02 -1.04	20.66 0.02 -1.20	20.55 -0.02 -1.51	17.99 -0.02 -2.54	22.53 -0.02 -3.50	22.11 -0.06 -3.55	26.04 0.00 -1.91	26.80 0.00 -1.77	21.80 0.00 -1.37	20.02 -0.04 -0.84	18.16 0.02 -0.46
SYRACUSE___POWER 24017	9.86 -0.02 -1.18	9.81 -0.01 -0.88	9.74 -0.01 -0.73	7.48 -0.01 -0.98	9.34 -0.02 -0.77	9.81 -0.02 -0.92	13.32 0.02 -0.89	15.81 -0.03 -1.19	19.39 -0.08 -0.51	19.54 -0.06 -0.33	19.62 -0.08 -0.51	19.84 -0.04 -0.61	20.08 -0.04 -0.85	20.41 0.02 -1.08	20.69 0.00 -1.25	20.60 -0.04 -1.58	18.05 -0.03 -2.62	22.62 -0.04 -3.62	22.21 -0.07 -3.67	26.01 -0.05 -1.94	26.80 -0.03 -1.78	21.79 -0.02 -1.38	20.03 -0.06 -0.86	18.16 0.00 -0.48
TALLMAN__138KV_BK151 55660	19.19 0.53 -9.96	16.86 0.54 -7.38	15.70 0.53 -6.14	15.15 0.39 -8.26	15.61 0.52 -6.51	17.21 0.53 -7.78	20.71 0.83 -7.46	25.64 0.95 -10.03	24.63 1.40 -4.27	23.56 1.48 -2.82	25.15 1.50 -4.47	26.33 1.52 -5.54	28.74 1.50 -7.97	30.97 1.58 -10.08	32.65 1.56 -11.65	34.94 1.45 -14.43	40.09 1.16 -23.47	53.36 1.43 -32.89	53.20 1.36 -33.23	43.48 1.71 -17.64	42.96 1.70 -16.22	33.73 1.41 -11.89	27.99 1.38 -7.38	23.01 1.22 -4.11
TEALLAVE_115KV_TB7 355573	9.68 -0.04 -1.03	9.66 -0.04 -0.76	9.62 -0.04 -0.63	7.33 -0.03 -0.85	9.22 -0.04 -0.67	9.66 -0.04 -0.80	13.17 -0.01 -0.77	15.60 -0.09 -1.04	19.27 -0.13 -0.44	19.44 -0.12 -0.29	19.47 -0.15 -0.44	19.70 -0.10 -0.53	19.91 -0.10 -0.74	20.19 -0.06 -0.94	20.47 -0.06 -1.09	20.34 -0.10 -1.37	17.67 -0.08 -2.28	22.08 -0.11 -3.15	21.66 -0.15 -3.19	25.64 -0.14 -1.66	26.45 -0.13 -1.53	21.52 -0.10 -1.19	19.83 -0.13 -0.74	18.04 -0.05 -0.41
TELGRAPH_34_KV_EAST 80808	10.17 -0.03 -1.51	10.06 0.00 -1.12	10.06 0.11 -0.93	7.86 0.11 -1.25	9.66 0.09 -0.98	10.08 0.00 -1.18	13.54 0.00 -1.13	15.85 -0.35 -1.54	18.96 -0.66 -0.66	19.12 -0.58 -0.43	19.10 -0.75 -0.66	19.42 -0.64 -0.79	19.70 -0.69 -1.12	20.13 -0.60 -1.43	20.43 -0.66 -1.65	20.43 -0.71 -2.08	18.36 -0.51 -3.41	22.81 -0.86 -4.62	22.33 -0.97 -4.68	25.62 -1.01 -2.51	26.35 -1.00 -2.31	21.53 -0.69 -1.79	19.78 -0.56 -1.11	18.12 -0.18 -0.62
TEMPLE___115KV_TB 2 55572	9.71 -0.03 -1.05	9.68 -0.04 -0.77	9.64 -0.03 -0.64	7.35 -0.02 -0.87	9.23 -0.03 -0.68	9.68 -0.04 -0.82	13.19 0.00 -0.78	15.63 -0.07 -1.05	19.30 -0.11 -0.45	19.46 -0.10 -0.29	19.52 -0.12 -0.45	19.73 -0.08 -0.54	19.96 -0.06 -0.75	20.24 -0.02 -0.96	20.51 -0.04 -1.11	20.38 -0.08 -1.39	17.72 -0.06 -2.32	22.14 -0.10 -3.20	21.73 -0.13 -3.24	25.69 -0.12 -1.68	26.49 -0.10 -1.55	21.55 -0.08 -1.20	19.86 -0.12 -0.75	18.06 -0.04 -0.42
TIANA____69_KV_BK 1 55817	25.97 0.79 -16.48	20.04 0.82 -10.28	19.04 0.81 -9.20	16.14 0.59 -9.05	16.48 0.76 -7.13	18.30 0.79 -8.60	26.04 1.24 -12.38	30.87 1.52 -14.69	30.85 2.07 -9.82	30.51 2.18 -9.06	27.85 2.05 -6.61	28.91 2.08 -7.56	30.41 2.08 -9.06	41.42 2.20 -19.91	44.06 2.18 -22.45	43.41 2.08 -22.27	54.07 1.82 -36.78	57.58 2.34 -36.19	60.33 2.29 -39.43	51.43 2.89 -24.41	46.68 2.93 -18.71	36.32 2.35 -13.54	29.55 2.23 -8.09	27.00 1.94 -7.38
TILDEN___115KV_TB1 80814	9.86 -0.02 -1.18	9.81 -0.01 -0.88	9.74 -0.01 -0.73	7.48 -0.01 -0.98	9.34 -0.02 -0.77	9.81 -0.02 -0.92	13.32 0.02 -0.89	15.81 -0.03 -1.19	19.39 -0.08 -0.51	19.54 -0.06 -0.33	19.62 -0.08 -0.51	19.84 -0.04 -0.61	20.08 -0.04 -0.85	20.41 0.02 -1.08	20.69 0.00 -1.25	20.60 -0.04 -1.58	18.05 -0.03 -2.62	22.62 -0.04 -3.62	22.21 -0.07 -3.67	26.01 -0.05 -1.94	26.80 -0.03 -1.78	21.79 -0.02 -1.38	20.03 -0.06 -0.86	18.16 0.00 -0.48
TRIGEN___CC 323695	25.84 0.67 -16.48	19.91 0.69 -10.28	18.91 0.69 -9.20	16.05 0.49 -9.05	16.37 0.65 -7.13	18.19 0.69 -8.60	25.86 1.07 -12.38	30.58 1.23 -14.69	30.55 1.76 -9.82	30.20 1.87 -9.06	27.60 1.80 -6.61	28.65 1.83 -7.56	30.12 1.79 -9.06	41.07 1.85 -19.91	43.70 1.81 -22.45	43.05 1.72 -22.27	53.66 1.42 -36.78	57.06 1.83 -36.19	59.81 1.77 -39.43	50.73 2.20 -24.41	45.95 2.20 -18.71	35.79 1.82 -13.54	29.06 1.75 -8.09	26.63 1.57 -7.38
TRINITY__115KV__ 4 BK 55933	22.37 0.17 -13.50	19.11 0.17 -10.00	17.55 0.21 -8.32	17.82 0.14 -11.18	17.59 0.19 -8.82	19.62 0.19 -10.53	22.73 0.21 -10.11	28.47 0.23 -13.58	25.08 0.34 -5.78	23.43 0.35 -3.81	25.13 0.35 -5.60	26.17 0.35 -6.56	28.71 0.37 -9.08	31.18 0.33 -11.55	33.17 0.35 -13.38	36.49 0.34 -17.08	44.27 0.28 -28.53	58.25 0.32 -38.89	58.43 0.30 -39.51	46.12 0.43 -21.56	45.40 0.43 -19.94	36.88 0.35 -16.10	29.53 0.31 -10.00	23.55 0.30 -5.56

UNION___PROCESSING_DRP 323587	10.02 0.01 -1.31	9.94 0.03 -0.97	9.92 0.09 -0.81	7.66 0.07 -1.09	9.50 0.06 -0.86	9.93 0.00 -1.02	13.43 0.04 -0.98	15.84 -0.13 -1.32	19.28 -0.25 -0.56	19.44 -0.19 -0.37	19.46 -0.29 -0.56	19.75 -0.19 -0.67	20.03 -0.19 -0.96	20.35 -0.17 -1.22	20.70 -0.16 -1.41	20.60 -0.23 -1.78	18.23 -0.14 -2.90	22.66 -0.40 -4.02	22.21 -0.48 -4.08	25.82 -0.48 -2.18	26.58 -0.48 -2.01	21.70 -0.29 -1.56	19.96 -0.23 -0.97	18.22 0.00 -0.54
UPPER HUDSON___HYD 24058	22.91 0.09 -14.12	19.50 0.10 -10.46	17.84 0.11 -8.70	18.27 0.07 -11.70	17.91 0.09 -9.23	20.01 0.09 -11.02	23.26 0.27 -10.58	29.13 0.26 -14.21	25.33 0.32 -6.04	23.60 0.35 -3.99	25.45 0.40 -5.86	26.55 0.42 -6.86	29.20 0.44 -9.50	31.87 0.48 -12.08	33.98 0.54 -13.99	37.54 0.61 -17.87	45.83 0.53 -29.84	60.43 0.70 -40.68	60.62 0.67 -41.34	47.65 0.97 -22.56	46.87 0.98 -20.86	38.04 0.76 -16.85	30.34 0.65 -10.46	24.01 0.51 -5.82
UPPER RAQUET___HYD 24056	8.32 -0.38 0.00	8.54 -0.40 0.00	8.57 -0.45 0.00	6.17 -0.33 0.00	8.16 -0.43 0.00	8.49 -0.41 0.00	11.78 -0.63 0.00	14.02 -0.63 0.00	18.05 -0.91 0.00	18.28 -0.98 0.00	18.27 -0.92 0.00	18.30 -0.96 0.00	18.30 -0.96 0.00	18.22 -1.08 0.00	18.39 -1.05 0.00	18.05 -1.01 0.00	14.63 -0.84 0.00	18.17 -0.88 0.00	17.87 -0.75 0.00	23.18 -0.94 0.00	23.99 -1.05 0.00	19.51 -0.92 0.00	18.34 -0.88 0.00	16.81 -0.87 0.00
VALLEY44_115KV_TB2 355964	10.54 -0.09 -1.93	10.32 -0.05 -1.43	10.25 0.04 -1.19	8.15 0.05 -1.60	9.87 0.03 -1.26	10.41 0.00 -1.50	13.94 0.09 -1.44	16.50 -0.10 -1.95	19.45 -0.34 -0.83	19.59 -0.21 -0.54	19.62 -0.38 -0.82	19.96 -0.29 -0.98	20.27 -0.39 -1.39	20.82 -0.25 -1.76	21.15 -0.33 -2.04	21.23 -0.40 -2.57	19.36 -0.31 -4.21	24.16 -0.67 -5.79	23.68 -0.80 -5.87	26.48 -0.80 -3.15	27.12 -0.83 -2.90	22.11 -0.57 -2.25	20.10 -0.52 -1.40	18.30 -0.16 -0.78
VALLEY___115KV_TB 1-4 80826	8.72 0.03 0.00	8.97 0.03 0.00	9.04 0.02 0.00	6.51 0.01 0.00	8.59 0.01 0.00	8.90 0.00 0.00	12.37 -0.04 0.00	14.60 -0.06 0.00	18.87 -0.09 0.00	19.19 -0.08 0.00	19.07 -0.12 0.00	19.15 -0.17 0.00	19.09 -0.17 0.00	19.07 -0.23 0.00	19.19 -0.25 0.00	18.75 -0.30 0.00	15.22 -0.25 0.00	18.81 -0.23 0.00	18.39 -0.22 0.00	23.86 -0.27 0.00	24.84 -0.20 0.00	20.33 -0.10 0.00	19.11 -0.12 0.00	17.61 -0.07 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	12.79 0.38 -3.71	12.10 0.40 -2.75	11.70 0.39 -2.29	9.86 0.28 -3.08	11.38 0.37 -2.43	12.18 0.38 -2.90	15.84 0.65 -2.78	19.14 0.75 -3.74	21.52 0.97 -1.59	21.34 1.02 -1.05	21.74 0.96 -1.59	22.18 1.00 -1.92	22.99 1.02 -2.70	23.77 1.04 -3.43	24.48 1.07 -3.96	25.04 0.99 -4.99	24.45 0.76 -8.23	31.43 1.03 -11.36	31.10 0.97 -11.51	31.65 1.33 -6.20	32.21 1.45 -5.72	26.02 1.16 -4.43	23.05 1.08 -2.75	20.22 1.01 -1.53
VISCHER___FERRY HYD 24020	22.75 0.30 -13.75	19.43 0.30 -10.18	17.81 0.32 -8.47	18.12 0.23 -11.39	17.87 0.30 -8.98	19.93 0.30 -10.73	23.13 0.42 -10.29	28.97 0.48 -13.83	25.47 0.62 -5.88	23.76 0.62 -3.88	25.41 0.60 -5.63	26.39 0.60 -6.52	28.83 0.60 -8.97	31.35 0.62 -11.42	33.32 0.64 -13.24	36.69 0.63 -17.00	44.52 0.53 -28.53	58.39 0.65 -38.70	58.59 0.61 -39.36	46.55 0.84 -21.58	45.90 0.88 -19.98	37.57 0.73 -16.40	30.08 0.67 -10.18	23.91 0.57 -5.67
V_A_10_SYNC_DSASP 323832	10.06 -0.08 -1.44	9.96 -0.05 -1.07	9.97 0.06 -0.89	7.76 0.06 -1.19	9.57 0.04 -0.94	9.98 -0.04 -1.12	13.45 -0.04 -1.08	15.74 -0.37 -1.45	18.95 -0.63 -0.62	19.11 -0.56 -0.41	19.12 -0.69 -0.62	19.43 -0.58 -0.74	19.71 -0.62 -1.06	20.09 -0.56 -1.34	20.41 -0.58 -1.55	20.35 -0.67 -1.96	18.16 -0.50 -3.19	22.61 -0.84 -4.40	22.17 -0.91 -4.46	25.49 -1.04 -2.41	26.23 -1.03 -2.22	21.43 -0.72 -1.72	19.63 -0.65 -1.06	18.04 -0.23 -0.59
V_CMM_10_SYNC_DSASP 323787	8.49 -0.21 0.00	8.73 -0.21 0.00	8.79 -0.23 0.00	6.33 -0.18 0.00	8.36 -0.22 0.00	8.69 -0.21 0.00	12.05 -0.36 0.00	14.32 -0.34 0.00	18.45 -0.51 0.00	18.71 -0.56 0.00	18.69 -0.50 0.00	18.73 -0.54 0.00	18.73 -0.54 0.00	18.71 -0.60 0.00	18.86 -0.58 0.00	18.52 -0.53 0.00	15.05 -0.42 0.00	18.57 -0.48 0.00	18.22 -0.39 0.00	23.57 -0.55 0.00	24.41 -0.63 0.00	19.90 -0.53 0.00	18.75 -0.48 0.00	17.20 -0.48 0.00
V_CMP_10_SYNC_DSASP 323788	8.50 -0.20 0.00	8.72 -0.22 0.00	8.77 -0.25 0.00	6.32 -0.18 0.00	8.39 -0.20 0.00	8.75 -0.15 0.00	12.32 -0.09 0.00	14.63 -0.03 0.00	18.85 -0.11 0.00	19.01 -0.25 0.00	19.05 -0.13 0.00	19.05 -0.21 0.00	19.05 -0.21 0.00	18.98 -0.33 0.00	19.17 -0.27 0.00	18.77 -0.29 0.00	15.00 -0.46 0.00	18.62 -0.42 0.00	18.49 -0.13 0.00	24.15 0.02 0.00	25.01 -0.03 0.00	20.33 -0.10 0.00	19.13 -0.10 0.00	17.54 -0.14 0.00
V_E_10_SYNC_DSASP 323830	12.32 0.76 -2.87	11.84 0.78 -2.12	11.50 0.71 -1.77	9.38 0.50 -2.37	11.13 0.67 -1.87	11.85 0.71 -2.24	15.60 1.04 -2.15	18.72 1.19 -2.88	21.65 1.46 -1.23	21.50 1.43 -0.81	21.66 1.25 -1.23	22.05 1.31 -1.48	22.64 1.29 -2.08	23.26 1.31 -2.64	23.90 1.40 -3.06	24.25 1.33 -3.85	22.85 1.04 -6.35	29.42 1.62 -8.76	29.10 1.60 -8.88	31.25 2.34 -4.79	31.91 2.46 -4.41	25.77 1.92 -3.42	23.01 1.67 -2.12	20.47 1.61 -1.18
V_F_30_NSYNC___DSASP 323816	23.11 0.34 -14.07	19.71 0.35 -10.42	18.06 0.36 -8.67	18.42 0.26 -11.65	18.11 0.33 -9.19	20.22 0.34 -10.98	23.49 0.55 -10.54	29.41 0.60 -14.15	25.76 0.78 -6.02	24.03 0.79 -3.97	25.82 0.81 -5.82	26.90 0.83 -6.81	29.53 0.85 -9.42	32.17 0.89 -11.98	34.24 0.91 -13.88	37.75 0.95 -17.74	45.92 0.80 -29.65	60.42 0.99 -40.39	60.61 0.95 -41.04	47.84 1.30 -22.41	47.12 1.35 -20.73	38.30 1.08 -16.78	30.63 0.98 -10.42	24.33 0.85 -5.80
V_F_30_SYNC_DSASP 323786	22.51 0.18 -13.63	19.23 0.20 -10.09	17.65 0.23 -8.40	17.94 0.15 -11.28	17.69 0.21 -8.90	19.75 0.21 -10.63	22.86 0.25 -10.20	28.64 0.28 -13.71	25.19 0.40 -5.83	23.52 0.41 -3.85	25.26 0.42 -5.65	26.30 0.42 -6.61	28.86 0.44 -9.15	31.37 0.42 -11.64	33.38 0.45 -13.49	36.73 0.44 -17.23	44.60 0.36 -28.78	58.68 0.42 -39.22	58.88 0.41 -39.85	46.43 0.56 -21.75	45.70 0.55 -20.11	37.13 0.45 -16.25	29.72 0.40 -10.09	23.67 0.37 -5.62
V_XM_10_SYNC_DSASP 323789	8.50 -0.20 0.00	8.72 -0.22 0.00	8.77 -0.25 0.00	6.32 -0.18 0.00	8.39 -0.20 0.00	8.75 -0.15 0.00	12.32 -0.09 0.00	14.63 -0.03 0.00	18.85 -0.11 0.00	19.01 -0.25 0.00	19.05 -0.13 0.00	19.05 -0.21 0.00	19.05 -0.21 0.00	18.98 -0.33 0.00	19.17 -0.27 0.00	18.77 -0.29 0.00	15.00 -0.46 0.00	18.62 -0.42 0.00	18.49 -0.13 0.00	24.15 0.02 0.00	25.01 -0.03 0.00	20.33 -0.10 0.00	19.13 -0.10 0.00	17.54 -0.14 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.24 0.55 -9.99	16.90 0.55 -7.41	15.74 0.55 -6.16	15.19 0.40 -8.28	15.65 0.53 -6.53	17.26 0.55 -7.80	20.76 0.86 -7.49	25.71 1.00 -10.06	24.68 1.44 -4.28	23.61 1.52 -2.83	25.21 1.53 -4.48	26.38 1.56 -5.56	28.80 1.54 -8.00	31.04 1.62 -10.11	32.73 1.59 -11.69	35.02 1.49 -14.48	40.21 1.21 -23.54	53.52 1.49 -33.00	53.37 1.41 -33.34	43.61 1.79 -17.70	43.09 1.78 -16.27	33.83 1.47 -11.93	28.05 1.42 -7.41	23.06 1.26 -4.12

W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	20.21 0.59 -10.92	17.63 0.60 -8.09	16.35 0.60 -6.73	15.99 0.44 -9.04	16.31 0.59 -7.13	18.03 0.61 -8.52	21.54 0.96 -8.18	26.74 1.10 -10.99	25.27 1.63 -4.67	24.10 1.75 -3.08	25.86 1.77 -4.91	27.13 1.77 -6.09	29.80 1.75 -8.78	32.24 1.83 -11.10	34.06 1.79 -12.83	36.63 1.70 -15.88	42.62 1.36 -25.80	57.00 1.77 -36.19	56.86 1.69 -36.55	45.64 2.12 -19.39	44.94 2.08 -17.82	35.13 1.68 -13.03	28.95 1.63 -8.09	23.58 1.40 -4.50
W50THST__13_KV_LOAD 356117	20.26 0.64 -10.92	17.68 0.65 -8.09	16.40 0.65 -6.73	16.03 0.48 -9.04	16.35 0.64 -7.13	18.08 0.66 -8.52	21.63 1.04 -8.18	26.84 1.20 -10.99	25.42 1.78 -4.67	24.26 1.91 -3.08	26.01 1.92 -4.91	27.29 1.93 -6.09	29.97 1.93 -8.78	32.39 1.99 -11.10	34.24 1.96 -12.83	36.80 1.87 -15.88	42.75 1.48 -25.80	57.17 1.94 -36.19	57.03 1.86 -36.55	45.81 2.29 -19.39	45.12 2.25 -17.82	35.30 1.84 -13.03	29.06 1.75 -8.09	23.68 1.50 -4.50
WADING RIVER_IC_1 23522	25.87 0.70 -16.48	19.93 0.71 -10.28	18.92 0.69 -9.20	16.06 0.51 -9.05	16.39 0.67 -7.13	18.20 0.69 -8.60	25.91 1.12 -12.39	30.71 1.36 -14.69	30.55 1.76 -9.82	30.20 1.87 -9.06	27.52 1.73 -6.61	28.58 1.75 -7.56	30.08 1.75 -9.06	41.07 1.85 -19.91	43.71 1.83 -22.45	43.05 1.72 -22.27	53.77 1.53 -36.78	57.22 1.98 -36.19	59.96 1.92 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.55	29.22 1.90 -8.09	26.72 1.66 -7.38
WADING RIVER_IC_2 23547	25.87 0.70 -16.48	19.93 0.71 -10.28	18.92 0.69 -9.20	16.06 0.51 -9.05	16.39 0.67 -7.13	18.20 0.69 -8.60	25.91 1.12 -12.39	30.71 1.36 -14.69	30.55 1.76 -9.82	30.20 1.87 -9.06	27.52 1.73 -6.61	28.58 1.75 -7.56	30.08 1.75 -9.06	41.07 1.85 -19.91	43.71 1.83 -22.45	43.05 1.72 -22.27	53.77 1.53 -36.78	57.22 1.98 -36.19	59.96 1.92 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.55	29.22 1.90 -8.09	26.72 1.66 -7.38
WADING RIVER_IC_3 23601	25.87 0.70 -16.48	19.93 0.71 -10.28	18.92 0.69 -9.20	16.06 0.51 -9.05	16.39 0.67 -7.13	18.20 0.69 -8.60	25.91 1.12 -12.39	30.71 1.36 -14.69	30.55 1.76 -9.82	30.20 1.87 -9.06	27.52 1.73 -6.61	28.58 1.75 -7.56	30.08 1.75 -9.06	41.07 1.85 -19.91	43.71 1.83 -22.45	43.05 1.72 -22.27	53.77 1.53 -36.78	57.22 1.98 -36.19	59.96 1.92 -39.43	50.97 2.44 -24.41	46.20 2.46 -18.71	35.94 1.96 -13.55	29.22 1.90 -8.09	26.72 1.66 -7.38
WALDENNY_12_KV_BK2 80841	10.35 -0.03 -1.68	10.20 0.01 -1.24	10.18 0.12 -1.04	8.01 0.12 -1.39	9.79 0.10 -1.10	10.26 0.04 -1.31	13.78 0.11 -1.26	16.16 -0.19 -1.70	19.19 -0.49 -0.72	19.38 -0.37 -0.48	19.36 -0.56 -0.73	19.70 -0.44 -0.87	20.02 -0.48 -1.24	20.49 -0.39 -1.57	20.82 -0.45 -1.82	20.86 -0.50 -2.30	18.85 -0.37 -3.76	23.48 -0.72 -5.16	22.97 -0.87 -5.23	26.06 -0.87 -2.81	26.75 -0.88 -2.59	21.82 -0.61 -2.00	19.93 -0.54 -1.24	18.25 -0.12 -0.69
WALDEN__HYDRO 24148	19.57 0.56 -10.32	17.15 0.57 -7.64	15.94 0.56 -6.36	15.46 0.41 -8.54	15.86 0.54 -6.74	17.51 0.56 -8.05	21.00 0.87 -7.72	26.01 0.98 -10.38	24.78 1.40 -4.41	23.64 1.46 -2.91	25.25 1.46 -4.60	26.43 1.48 -5.68	28.93 1.50 -8.16	31.21 1.58 -10.33	32.95 1.57 -11.94	35.37 1.51 -14.81	40.84 1.25 -24.12	54.34 1.54 -33.75	54.22 1.49 -34.11	44.20 1.93 -18.14	43.68 1.95 -16.68	34.33 1.59 -12.30	28.36 1.50 -7.64	23.26 1.33 -4.25
WARRENSBURG____ 23737	22.91 0.09 -14.12	19.50 0.10 -10.46	17.84 0.11 -8.70	18.27 0.07 -11.70	17.91 0.09 -9.23	20.01 0.09 -11.02	23.26 0.27 -10.58	29.13 0.26 -14.21	25.33 0.32 -6.04	23.60 0.35 -3.99	25.45 0.40 -5.86	26.55 0.42 -6.86	29.20 0.44 -9.50	31.87 0.48 -12.08	33.98 0.54 -13.99	37.54 0.61 -17.87	45.83 0.53 -29.84	60.43 0.70 -40.68	60.62 0.67 -41.34	47.65 0.97 -22.56	46.87 0.98 -20.86	38.04 0.76 -16.85	30.34 0.65 -10.46	24.01 0.51 -5.82
WATERSIDE____6 8 9 23538	20.21 0.59 -10.92	17.64 0.61 -8.09	16.36 0.60 -6.73	16.00 0.45 -9.05	16.31 0.59 -7.13	18.01 0.59 -8.52	21.53 0.94 -8.18	26.71 1.07 -10.99	25.23 1.59 -4.67	24.07 1.71 -3.09	25.86 1.77 -4.91	27.11 1.75 -6.09	29.78 1.73 -8.78	32.22 1.81 -11.10	34.04 1.77 -12.83	36.60 1.66 -15.88	42.59 1.33 -25.80	57.03 1.79 -36.20	56.88 1.71 -36.56	45.59 2.07 -19.39	44.89 2.03 -17.82	35.11 1.65 -13.03	28.95 1.63 -8.09	23.58 1.40 -4.50
WATKINRD_115KV_LN8_ILLION 55919	8.72 0.03 0.00	8.97 0.03 0.00	9.04 0.02 0.00	6.51 0.01 0.00	8.59 0.01 0.00	8.91 0.01 0.00	12.41 0.00 0.00	14.64 -0.01 0.00	18.92 -0.04 0.00	19.25 -0.02 0.00	19.13 -0.06 0.00	19.21 -0.06 0.00	19.19 -0.08 0.00	19.21 -0.10 0.00	19.34 -0.10 0.00	18.92 -0.13 0.00	15.36 -0.11 0.00	18.95 -0.10 0.00	18.50 -0.11 0.00	24.03 -0.10 0.00	24.96 -0.08 0.00	20.41 -0.02 0.00	19.19 -0.04 0.00	17.66 -0.02 0.00
WATSON____69_KV_BK 1 55734	26.00 0.83 -16.48	20.06 0.84 -10.28	19.06 0.84 -9.20	16.16 0.60 -9.05	16.51 0.79 -7.13	18.34 0.84 -8.60	26.10 1.30 -12.38	30.90 1.55 -14.69	30.93 2.14 -9.82	30.58 2.25 -9.06	27.89 2.09 -6.61	28.96 2.14 -7.56	30.45 2.12 -9.06	41.42 2.20 -19.91	44.03 2.14 -22.45	43.31 1.98 -22.27	53.96 1.72 -36.78	57.44 2.21 -36.19	60.18 2.14 -39.43	51.24 2.70 -24.41	46.47 2.73 -18.71	36.26 2.27 -13.56	29.50 2.17 -8.11	27.02 1.96 -7.38
WDELAWARE__HYD 323627	18.13 0.71 -8.71	16.14 0.74 -6.45	15.11 0.71 -5.37	14.25 0.53 -7.22	14.96 0.69 -5.69	16.41 0.71 -6.80	19.93 0.99 -6.52	24.55 1.13 -8.77	24.25 1.56 -3.73	23.36 1.64 -2.46	24.65 1.61 -3.85	25.65 1.66 -4.72	27.60 1.58 -6.75	29.42 1.56 -8.55	30.44 1.11 -9.89	32.41 1.05 -12.31	36.45 0.88 -20.11	48.23 1.14 -28.04	48.08 1.10 -28.36	40.68 1.42 -15.13	40.99 2.03 -13.93	32.46 1.64 -10.39	27.22 1.54 -6.45	22.63 1.36 -3.59
WEST BABYLON__IC 23714	25.97 0.80 -16.48	20.04 0.81 -10.28	19.04 0.81 -9.20	16.14 0.59 -9.05	16.48 0.76 -7.13	18.31 0.81 -8.60	26.06 1.27 -12.38	30.83 1.48 -14.69	30.85 2.07 -9.82	30.49 2.16 -9.06	27.83 2.03 -6.61	28.89 2.06 -7.56	30.35 2.02 -9.06	41.32 2.10 -19.91	43.93 2.04 -22.45	43.24 1.91 -22.27	53.90 1.65 -36.78	57.33 2.09 -36.19	60.09 2.05 -39.43	51.12 2.58 -24.41	46.32 2.58 -18.71	36.14 2.17 -13.55	29.40 2.08 -8.10	26.93 1.87 -7.38
WEST CANADA__HYD 24049	8.72 0.02 0.00	8.96 0.02 0.00	9.04 0.02 0.00	6.52 0.01 0.00	8.60 0.02 0.00	8.92 0.02 0.00	12.44 0.02 0.00	14.67 0.01 0.00	19.00 0.04 0.00	19.30 0.04 0.00	19.23 0.04 0.00	19.30 0.04 0.00	19.30 0.04 0.00	19.34 0.04 0.00	19.48 0.04 0.00	19.10 0.04 0.00	15.48 0.02 0.00	19.08 0.04 0.00	18.64 0.02 0.00	24.17 0.05 0.00	25.09 0.05 0.00	20.47 0.04 0.00	19.26 0.04 0.00	17.72 0.04 0.00
WESTERN_NY_WIND 24143	10.25 0.07 -1.48	10.13 0.09 -1.10	10.14 0.20 -0.91	7.89 0.16 -1.23	9.72 0.16 -0.97	10.15 0.09 -1.16	13.65 0.12 -1.11	15.87 -0.28 -1.49	19.03 -0.57 -0.64	19.22 -0.46 -0.42	19.17 -0.65 -0.64	19.49 -0.54 -0.76	19.79 -0.62 -1.14	20.23 -0.52 -1.45	20.54 -0.58 -1.68	20.50 -0.67 -2.11	18.30 -0.45 -3.29	23.01 -0.57 -4.54	22.53 -0.69 -4.60	25.95 -0.65 -2.48	26.70 -0.63 -2.29	21.81 -0.39 -1.77	19.99 -0.33 -1.10	18.34 0.05 -0.61



WESTOVER___LESR 323668	11.91 0.17 -3.05	11.38 0.18 -2.26	11.10 0.20 -1.88	9.17 0.14 -2.52	10.76 0.18 -1.99	11.46 0.18 -2.38	14.99 0.30 -2.28	17.99 0.26 -3.07	20.57 0.30 -1.31	20.45 0.33 -0.86	20.76 0.27 -1.31	21.17 0.33 -1.57	21.77 0.29 -2.22	22.49 0.37 -2.82	23.05 0.35 -3.26	23.45 0.29 -4.10	22.45 0.23 -6.76	28.59 0.23 -9.32	28.25 0.19 -9.45	29.54 0.34 -5.08	30.08 0.35 -4.69	24.39 0.33 -3.63	21.77 0.29 -2.25	19.31 0.37 -1.25
WETHRSFD_WT_PWR 323626	10.57 0.00 -1.87	10.36 0.03 -1.39	10.31 0.14 -1.15	8.17 0.12 -1.55	9.93 0.12 -1.22	10.44 0.08 -1.46	13.99 0.17 -1.40	16.46 -0.07 -1.88	19.48 -0.28 -0.80	19.60 -0.19 -0.53	19.65 -0.34 -0.80	19.98 -0.25 -0.96	20.35 -0.29 -1.38	20.86 -0.19 -1.75	21.21 -0.25 -2.02	21.28 -0.32 -2.54	19.36 -0.25 -4.15	24.27 -0.50 -5.72	23.82 -0.60 -5.80	26.70 -0.55 -3.13	27.37 -0.55 -2.88	22.30 -0.37 -2.23	20.26 -0.35 -1.38	18.47 0.02 -0.77
WHAVSTOR_138KV_BK127 55557	19.22 0.52 -10.00	16.88 0.53 -7.41	15.71 0.52 -6.17	15.18 0.38 -8.29	15.63 0.51 -6.54	17.23 0.53 -7.81	20.71 0.81 -7.49	25.66 0.94 -10.07	24.61 1.37 -4.28	23.54 1.44 -2.83	25.13 1.46 -4.49	26.31 1.48 -5.56	28.73 1.46 -8.00	30.97 1.54 -10.12	32.64 1.50 -11.70	34.94 1.39 -14.49	40.14 1.11 -23.56	53.43 1.37 -33.02	53.28 1.30 -33.36	43.48 1.64 -17.71	42.95 1.63 -16.28	33.74 1.37 -11.94	27.98 1.35 -7.41	22.99 1.18 -4.12
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.22 0.52 -10.00	16.88 0.53 -7.41	15.71 0.52 -6.17	15.18 0.38 -8.29	15.63 0.51 -6.54	17.23 0.53 -7.81	20.71 0.81 -7.49	25.66 0.94 -10.07	24.61 1.37 -4.28	23.54 1.44 -2.83	25.13 1.46 -4.49	26.31 1.48 -5.56	28.73 1.46 -8.00	30.97 1.54 -10.12	32.64 1.50 -11.70	34.94 1.39 -14.49	40.14 1.11 -23.56	53.43 1.37 -33.02	53.28 1.30 -33.36	43.48 1.64 -17.71	42.95 1.63 -16.28	33.74 1.37 -11.94	27.98 1.35 -7.41	22.99 1.18 -4.12
WHITEHAL_115KV_TB1 80871	23.09 0.29 -14.10	19.73 0.34 -10.44	18.03 0.32 -8.69	18.41 0.23 -11.68	18.09 0.29 -9.21	20.19 0.28 -11.00	23.59 0.62 -10.56	29.49 0.64 -14.19	25.74 0.74 -6.03	24.04 0.79 -3.98	25.91 0.88 -5.84	27.03 0.92 -6.84	29.67 0.94 -9.46	32.33 0.98 -12.04	34.48 1.09 -13.95	38.06 1.18 -17.82	46.25 1.02 -29.76	60.91 1.31 -40.56	61.09 1.27 -41.21	48.40 1.79 -22.49	47.67 1.83 -20.80	38.70 1.45 -16.82	30.96 1.29 -10.44	24.54 1.04 -5.81
WHITEPLN_13_KV_LOAD 356215	20.21 0.60 -10.91	17.63 0.61 -8.08	16.35 0.60 -6.72	15.98 0.44 -9.03	16.29 0.58 -7.13	18.01 0.60 -8.51	21.50 0.92 -8.17	26.68 1.06 -10.97	25.19 1.55 -4.67	23.98 1.64 -3.08	25.74 1.65 -4.90	27.07 1.71 -6.09	29.73 1.70 -8.77	32.15 1.76 -11.09	34.01 1.75 -12.82	36.58 1.66 -15.86	42.60 1.36 -25.77	56.90 1.71 -36.15	56.77 1.64 -36.51	45.54 2.05 -19.37	44.87 2.03 -17.80	35.12 1.68 -13.01	28.86 1.56 -8.08	23.52 1.34 -4.50
WM_FLOYD_69_KV_BK2 356380	25.93 0.76 -16.48	20.00 0.78 -10.28	19.00 0.78 -9.20	16.10 0.55 -9.05	16.45 0.73 -7.13	18.26 0.76 -8.60	25.99 1.19 -12.38	30.80 1.45 -14.69	30.76 1.97 -9.82	30.39 2.06 -9.06	27.71 1.92 -6.61	28.77 1.95 -7.56	30.27 1.95 -9.06	41.25 2.03 -19.91	43.91 2.02 -22.45	43.22 1.89 -22.27	53.91 1.67 -36.78	57.39 2.15 -36.19	60.13 2.09 -39.43	51.16 2.63 -24.41	46.40 2.65 -18.71	36.10 2.12 -13.54	29.38 2.06 -8.09	26.88 1.82 -7.38
WOODARD__115KV_TB2 355635	9.67 -0.06 -1.04	9.65 -0.06 -0.77	9.61 -0.05 -0.64	7.32 -0.05 -0.86	9.20 -0.06 -0.68	9.64 -0.07 -0.81	13.14 -0.05 -0.78	15.57 -0.13 -1.04	19.22 -0.19 -0.44	19.38 -0.17 -0.29	19.44 -0.19 -0.44	19.64 -0.15 -0.53	19.86 -0.15 -0.75	20.14 -0.12 -0.95	20.42 -0.12 -1.10	20.28 -0.15 -1.38	17.64 -0.12 -2.30	22.04 -0.17 -3.17	21.63 -0.20 -3.22	25.62 -0.19 -1.69	26.40 -0.20 -1.56	21.47 -0.16 -1.20	19.80 -0.17 -0.75	17.99 -0.11 -0.42
YORK___WARBASSE 23770	20.25 0.63 -10.92	17.67 0.64 -8.09	16.39 0.63 -6.73	16.02 0.47 -9.05	16.34 0.62 -7.13	18.04 0.61 -8.52	21.57 0.98 -8.18	26.76 1.11 -10.99	25.29 1.65 -4.67	24.16 1.81 -3.09	25.98 1.88 -4.91	27.23 1.87 -6.09	29.86 1.81 -8.78	32.34 1.93 -11.10	34.16 1.89 -12.83	36.69 1.75 -15.88	42.67 1.41 -25.80	57.16 1.92 -36.20	57.03 1.86 -36.56	45.74 2.22 -19.39	45.02 2.15 -17.82	35.24 1.78 -13.03	29.04 1.73 -8.09	23.68 1.50 -4.50