

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

11/27/2023

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	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	31.35	31.16	30.50	29.82	30.37	33.76	41.94	51.16	46.15	40.74	38.47	37.02	37.15	37.70	38.65	42.54	53.79	67.68	63.43	55.26	49.72	44.08	40.32	38.87
24138	0.31	0.43	0.42	0.41	0.46	0.61	1.27	1.54	1.67	1.66	1.36	1.36	1.16	1.24	1.01	1.21	1.15	1.48	1.48	1.37	1.22	1.36	0.98	0.82
	-25.15	-21.35	-20.46	-19.56	-19.02	-19.32	-15.83	-23.07	-18.43	-14.75	-15.80	-14.07	-17.54	-16.82	-21.57	-22.20	-34.04	-43.84	-38.52	-31.49	-27.88	-20.48	-22.94	-22.28
74TH STREET_GT_1	31.36	31.17	30.51	29.85	30.39	33.76	41.92	51.22	46.19	40.65	38.41	36.96	37.09	37.66	38.59	42.49	53.70	67.58	63.34	55.19	49.66	44.03	40.28	38.83
24260	0.31	0.44	0.43	0.43	0.47	0.61	1.24	1.54	1.67	1.61	1.34	1.34	1.14	1.24	1.00	1.21	1.13	1.48	1.48	1.37	1.22	1.36	1.00	0.84
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
74TH STREET_GT_2	31.36	31.17	30.51	29.85	30.39	33.76	41.92	51.22	46.19	40.65	38.41	36.96	37.09	37.66	38.59	42.49	53.70	67.58	63.34	55.19	49.66	44.03	40.28	38.83
24261	0.31	0.44	0.43	0.43	0.47	0.61	1.24	1.54	1.67	1.61	1.34	1.34	1.14	1.24	1.00	1.21	1.13	1.48	1.48	1.37	1.22	1.36	1.00	0.84
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
ADK HUDSON___FALLS	37.53	36.50	35.64	34.76	35.19	38.75	46.28	57.11	50.91	44.85	42.89	40.98	42.08	42.41	44.61	48.23	62.85	79.42	73.73	63.60	57.13	49.25	46.26	45.26
24011	0.42	0.63	0.63	0.63	0.69	0.94	1.79	1.86	1.93	1.70	1.43	1.45	1.25	1.32	1.03	0.78	0.84	1.14	1.17	1.03	0.95	0.89	0.61	1.07
	-31.21	-26.50	-25.40	-24.27	-23.60	-23.98	-19.65	-28.70	-22.93	-18.82	-20.15	-17.94	-22.37	-21.45	-27.51	-28.31	-43.41	-55.92	-49.13	-40.17	-35.56	-26.12	-29.26	-28.42
ADK RESOURCE___RCVRY	37.60	36.59	35.72	34.84	35.28	38.87	46.52	58.17	51.79	45.12	43.14	41.20	42.29	42.65	44.82	48.45	63.13	79.79	74.09	63.89	57.38	49.48	46.45	45.47
23798	0.47	0.70	0.70	0.70	0.76	1.05	2.01	2.10	2.16	1.92	1.62	1.62	1.40	1.49	1.16	0.92	0.99	1.34	1.38	1.21	1.09	1.05	0.70	1.20
	-31.23	-26.52	-25.41	-24.29	-23.61	-24.00	-19.66	-29.52	-23.58	-18.87	-20.21	-17.99	-22.44	-21.51	-27.59	-28.39	-43.54	-56.08	-49.27	-40.28	-35.66	-26.19	-29.35	-28.50
ADK S GLENS___FALLS	37.53	36.50	35.64	34.76	35.19	38.75	46.28	57.11	50.91	44.85	42.89	40.98	42.08	42.41	44.61	48.23	62.85	79.42	73.73	63.60	57.13	49.25	46.26	45.26
24028	0.42	0.63	0.63	0.63	0.69	0.94	1.79	1.86	1.93	1.70	1.43	1.45	1.25	1.32	1.03	0.78	0.84	1.14	1.17	1.03	0.95	0.89	0.61	1.07
	-31.21	-26.50	-25.40	-24.27	-23.60	-23.98	-19.65	-28.70	-22.93	-18.82	-20.15	-17.94	-22.37	-21.45	-27.51	-28.31	-43.41	-55.92	-49.13	-40.17	-35.56	-26.12	-29.26	-28.42
ADK_NYS___DAM	36.36	35.41	34.58	33.75	34.20	37.75	45.17	56.34	50.13	43.72	41.91	40.11	41.06	41.40	43.52	47.53	61.60	77.53	72.10	62.38	56.08	48.63	45.51	44.03
23527	0.27	0.40	0.40	0.41	0.47	0.72	1.32	1.27	1.30	1.17	1.09	1.14	0.94	0.98	0.80	0.98	0.95	1.01	1.08	1.08	1.01	1.09	0.77	0.74
	-30.19	-25.64	-24.57	-23.48	-22.83	-23.20	-19.01	-28.51	-22.78	-18.22	-19.52	-17.38	-21.67	-20.77	-26.64	-27.42	-42.05	-54.16	-47.58	-38.90	-34.44	-25.30	-28.34	-27.52
AIR_PRODUCTS___DRP	36.26	35.19	34.37	33.55	33.94	37.24	44.16	54.60	48.56	42.88	41.16	39.29	40.43	40.74	43.04	46.94	61.11	77.08	71.56	61.79	55.50	47.92	45.02	43.54
24190	0.04	0.07	0.09	0.11	0.11	0.11	0.22	0.16	0.23	0.22	0.21	0.22	0.18	0.20	0.16	0.21	0.20	0.22	0.26	0.25	0.23	0.22	0.11	0.08
	-30.32	-25.75	-24.68	-23.58	-22.93	-23.30	-19.09	-27.89	-22.28	-18.33	-19.64	-17.48	-21.80	-20.90	-26.81	-27.59	-42.30	-54.49	-47.87	-39.14	-34.65	-25.45	-28.52	-27.69
AKWESSNE_115KV_BK	6.21	8.96	9.20	9.47	10.53	13.30	23.23	25.46	23.78	21.73	12.92	0.14	0.15	0.58	0.64	1.40	1.55	1.96	20.11	1.62	1.60	1.49	7.00	14.33
355683	-0.73	-1.28	-1.25	-1.18	-1.16	-1.31	-2.26	-2.04	-3.02	-3.14	-2.90	-2.89	-2.42	-2.77	-2.28	-2.76	-2.70	-3.18	-3.21	-3.32	-2.93	-3.25	-2.46	-2.26
	-1.03	-0.88	-0.84	-0.80	-0.78	-0.79	-0.65	-0.95	-0.76	-0.54	5.49	18.56	15.88	16.29	13.14	14.99	14.36	17.23	0.12	17.47	16.10	17.51	6.93	-0.82
ALBANY___1	36.26	35.19	34.37	33.55	33.94	37.24	44.16	54.60	48.56	42.88	41.16	39.29	40.43	40.74	43.04	46.94	61.11	77.08	71.56	61.79	55.50	47.92	45.02	43.54
23571	0.04	0.07	0.09	0.11	0.11	0.11	0.22	0.16	0.23	0.22	0.21	0.22	0.18	0.20	0.16	0.21	0.20	0.22	0.26	0.25	0.23	0.22	0.11	0.08
	-30.32	-25.75	-24.68	-23.58	-22.93	-23.30	-19.09	-27.89	-22.28	-18.33	-19.64	-17.48	-21.80	-20.90	-26.81	-27.59	-42.30	-54.49	-47.87	-39.14	-34.65	-25.45	-28.52	-27.69
ALBANY___2	36.26	35.19	34.37	33.55	33.94	37.24	44.16	54.60	48.56	42.88	41.16	39.29	40.43	40.74	43.04	46.94	61.11	77.08	71.56	61.79	55.50	47.92	45.02	43.54
23572	0.04	0.07	0.09	0.11	0.11	0.11	0.22	0.16	0.23	0.22	0.21	0.22	0.18	0.20	0.16	0.21	0.20	0.22	0.26	0.25	0.23	0.22	0.11	0.08
	-30.32	-25.75	-24.68	-23.58	-22.93	-23.30	-19.09	-27.89	-22.28	-18.33	-19.64	-17.48	-21.80	-20.90	-26.81	-27.59	-42.30	-54.49	-47.87	-39.14	-34.65	-25.45	-28.52	-27.69
ALBANY___3	36.26	35.19	34.37	33.55	33.94	37.24	44.16	54.60	48.56	42.88	41.16	39.29	40.43	40.74	43.04	46.94	61.11	77.08	71.56	61.79	55.50	47.92	45.02	43.54
23573	0.04	0.07	0.09	0.11	0.11	0.11	0.22	0.16	0.23	0.22	0.21	0.22	0.18	0.20	0.16	0.21	0.20	0.22	0.26	0.25	0.23	0.22	0.11	0.08
	-30.32	-25.75	-24.68	-23.58	-22.93	-23.30	-19.09	-27.89	-22.28	-18.33	-19.64	-17.48	-21.80	-20.90	-26.81	-27.59	-42.30	-54.49	-47.87	-39.14	-34.65	-25.45	-28.52	-27.69

ALBANY___4 23574	36.26 0.04 -30.32	35.19 0.07 -25.75	34.37 0.09 -24.68	33.55 0.11 -23.58	33.94 0.11 -22.93	37.24 0.11 -23.30	44.16 0.22 -19.09	54.60 0.16 -27.89	48.56 0.23 -22.28	42.88 0.22 -18.33	41.16 0.21 -19.64	39.29 0.22 -17.48	40.43 0.18 -21.80	40.74 0.20 -20.90	43.04 0.16 -26.81	46.94 0.21 -27.59	61.11 0.20 -42.30	77.08 0.22 -54.49	71.56 0.26 -47.87	61.79 0.25 -39.14	55.50 0.23 -34.65	47.92 0.22 -25.45	45.02 0.11 -28.52	43.54 0.08 -27.69
ALBANY___LFGE 323615	36.58 0.11 -30.57	35.49 0.16 -25.96	34.67 0.18 -24.88	33.84 0.21 -23.78	34.24 0.22 -23.12	37.57 0.25 -23.50	44.57 0.47 -19.25	55.96 0.45 -28.95	49.70 0.52 -23.13	43.32 0.49 -18.51	41.58 0.45 -19.82	39.69 0.45 -17.64	40.84 0.39 -22.00	41.15 0.41 -21.09	43.47 0.34 -27.06	47.40 0.42 -27.85	61.73 0.43 -42.70	77.88 0.51 -55.00	72.29 0.54 -48.32	62.40 0.49 -39.51	56.05 0.45 -34.97	48.40 0.47 -25.69	45.45 0.28 -28.78	43.97 0.25 -27.95
ALCOA_PA_115KV_PL-6C 55860	6.32 -0.67 -1.09	9.11 -1.19 -0.93	9.34 -1.15 -0.89	9.62 -1.08 -0.85	10.67 -1.06 -0.82	13.47 -1.19 -0.84	23.49 -2.04 -0.69	25.75 -1.81 -1.00	24.06 -2.79 -0.80	21.98 -2.92 -0.57	13.29 -2.68 5.33	0.86 -2.68 18.05	0.77 -2.23 15.45	1.30 -2.59 15.75	1.27 -2.14 12.66	2.11 -2.58 14.45	2.27 -2.53 13.80	2.82 -3.00 16.55	20.42 -3.00 0.02	2.47 -3.11 16.82	2.37 -2.74 15.51	2.30 -3.05 16.89	7.44 -2.31 6.64	14.52 -2.11 -0.86
ALCOA_RYNLDS___DRP 24188	6.32 -0.67 -1.09	9.11 -1.19 -0.93	9.34 -1.15 -0.89	9.62 -1.08 -0.85	10.67 -1.06 -0.82	13.47 -1.19 -0.84	23.49 -2.04 -0.69	25.75 -1.81 -1.00	24.06 -2.79 -0.80	21.98 -2.92 -0.57	13.29 -2.68 5.33	0.86 -2.68 18.05	0.77 -2.23 15.45	1.30 -2.59 15.75	1.27 -2.14 12.66	2.11 -2.58 14.45	2.27 -2.53 13.80	2.82 -3.00 16.55	20.42 -3.00 0.02	2.47 -3.11 16.82	2.37 -2.74 15.51	2.30 -3.05 16.89	7.44 -2.31 6.64	14.52 -2.11 -0.86
ALCOA___DSASP 323711	6.32 -0.67 -1.09	9.10 -1.19 -0.93	9.34 -1.15 -0.89	9.62 -1.08 -0.85	10.67 -1.06 -0.82	13.47 -1.19 -0.84	23.49 -2.04 -0.69	25.64 -1.81 -0.89	23.98 -2.79 -0.71	22.00 -2.90 -0.56	13.28 -2.69 5.34	0.85 -2.68 18.06	0.76 -2.23 15.46	1.29 -2.59 15.76	1.26 -2.14 12.67	2.10 -2.58 14.46	2.26 -2.53 13.82	2.79 -3.00 16.57	20.40 -3.00 0.04	2.45 -3.11 16.84	2.36 -2.74 15.53	2.29 -3.05 16.91	7.43 -2.31 6.65	14.51 -2.11 -0.85
ALLEGHENY___COGEN 23514	13.29 0.31 -7.09	15.88 0.50 -6.02	15.88 0.51 -5.77	15.87 0.50 -5.51	16.76 0.50 -5.36	19.92 0.65 -5.44	30.42 1.12 -4.46	33.60 1.20 -5.85	31.69 0.96 -4.68	28.77 0.78 -3.66	25.81 0.58 -3.92	25.54 0.45 -3.49	22.95 0.15 -4.36	24.16 0.33 -4.18	21.77 0.34 -5.36	25.17 0.52 -5.51	27.72 0.67 -8.45	34.30 1.05 -10.89	34.24 1.24 -9.57	31.43 1.21 -7.82	28.62 1.07 -6.92	28.42 1.09 -5.09	22.88 0.79 -5.70	22.20 0.90 -5.53
ALTAMONT_115KV_TB 2 55880	36.37 0.14 -30.33	35.34 0.22 -25.76	34.52 0.23 -24.69	33.68 0.24 -23.59	34.10 0.26 -22.94	37.45 0.32 -23.31	44.54 0.60 -19.10	55.06 0.61 -27.90	48.99 0.65 -22.29	43.29 0.58 -18.38	41.52 0.53 -19.68	39.65 0.54 -17.52	40.76 0.46 -21.85	41.08 0.49 -20.95	43.34 0.40 -26.87	47.27 0.48 -27.65	61.47 0.47 -42.40	77.54 0.56 -54.62	72.00 0.59 -47.98	62.22 0.58 -39.23	55.89 0.54 -34.73	48.31 0.56 -25.51	45.35 0.38 -28.58	43.87 0.35 -27.75
ALTONA_WT_PWR 323606	6.16 -0.77 -1.03	8.85 -1.40 -0.87	9.11 -1.34 -0.84	9.40 -1.25 -0.80	10.51 -1.17 -0.78	13.35 -1.26 -0.79	23.43 -2.06 -0.65	25.54 -1.86 -0.84	23.73 -2.99 -0.67	21.58 -3.29 -0.53	11.36 -3.15 6.79	-2.59 -3.22 20.97	-2.55 -2.69 18.31	-0.20 -3.10 16.74	0.31 -2.56 13.20	1.02 -3.06 15.05	1.21 -2.96 14.43	1.56 -3.49 17.32	19.35 -3.47 0.62	1.25 -3.61 17.55	1.23 -3.22 16.18	1.10 -3.56 17.58	6.73 -2.69 6.97	14.14 -2.43 -0.80
AMERICAN_REF_FUEL 24010	12.49 0.02 -6.56	14.98 0.04 -5.57	14.99 0.04 -5.34	14.99 0.03 -5.11	15.79 -0.08 -4.96	18.66 -0.21 -5.04	28.18 -0.80 -4.13	30.60 -1.33 -5.37	29.09 -1.25 -4.29	26.63 -1.07 -3.37	24.11 -0.81 -3.61	23.99 -0.82 -3.21	21.69 -0.77 -4.01	22.72 -0.77 -3.84	20.33 -0.67 -4.93	23.41 -0.80 -5.07	25.58 -0.80 -7.78	31.18 -1.21 -10.02	31.05 -1.19 -8.80	28.52 -1.07 -7.20	26.07 -0.93 -6.37	26.01 -0.91 -4.68	21.11 -0.53 -5.24	20.75 -0.11 -5.09
ARKWRIGHT___SUMMIT_WT_PWR 323751	12.99 0.08 -7.02	15.44 0.11 -5.96	15.41 0.09 -5.71	15.38 0.07 -5.46	16.15 -0.05 -5.31	19.06 -0.15 -5.39	28.72 -0.55 -4.42	31.46 -0.85 -5.76	29.79 -0.86 -4.60	27.18 -0.75 -3.61	24.60 -0.57 -3.87	24.41 -0.63 -3.44	22.06 -0.68 -4.29	23.07 -0.69 -4.11	20.74 -0.61 -5.28	23.86 -0.71 -5.43	26.30 -0.63 -8.33	32.17 -0.92 -10.73	31.99 -0.87 -9.42	29.39 -0.72 -7.70	26.87 -0.58 -6.82	26.72 -0.53 -5.01	21.69 -0.31 -5.61	21.24 0.02 -5.45
ARTHUR_KILL_GT_1 23520	31.40 0.35 -25.15	31.21 0.49 -21.36	30.54 0.46 -20.47	29.88 0.46 -19.56	30.42 0.50 -19.02	33.73 0.58 -19.33	41.80 1.12 -15.84	51.03 1.41 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.28 1.17 -15.80	36.68 1.02 -14.07	36.88 0.89 -17.54	37.43 0.96 -16.82	38.43 0.79 -21.57	42.20 0.86 -22.20	53.51 0.87 -34.03	66.17 1.18 -42.63	60.40 1.17 -35.79	54.94 1.05 -31.49	49.41 0.91 -27.87	43.72 1.00 -20.47	40.15 0.82 -22.94	38.82 0.77 -22.28
ARTHUR_KILL_2 23512	31.39 0.34 -25.15	31.19 0.46 -21.36	30.52 0.44 -20.47	29.85 0.43 -19.56	30.40 0.48 -19.02	33.69 0.54 -19.33	41.72 1.04 -15.84	50.95 1.33 -23.07	45.89 1.41 -18.44	40.47 1.39 -14.75	38.22 1.11 -15.80	36.63 0.97 -14.07	36.82 0.83 -17.54	37.37 0.90 -16.82	38.40 0.76 -21.57	42.14 0.80 -22.20	53.44 0.80 -34.03	66.09 1.10 -42.63	60.33 1.10 -35.79	54.87 0.98 -31.49	49.33 0.83 -27.87	43.63 0.91 -20.47	40.10 0.77 -22.94	38.78 0.73 -22.28
ARTHUR_KILL_3 23513	31.30 0.25 -25.15	31.07 0.35 -21.36	30.40 0.33 -20.47	29.73 0.32 -19.56	30.27 0.35 -19.02	33.62 0.47 -19.33	41.67 0.99 -15.83	50.90 1.27 -23.07	45.89 1.41 -18.44	40.47 1.39 -14.75	38.24 1.13 -15.80	36.78 1.12 -14.07	36.95 0.96 -17.54	37.50 1.04 -16.82	38.49 0.85 -21.57	42.35 1.01 -22.20	53.54 0.89 -34.04	66.18 1.18 -42.63	60.42 1.19 -35.79	54.97 1.08 -31.49	49.48 0.97 -27.88	43.83 1.11 -20.48	40.17 0.84 -22.95	38.71 0.66 -22.28
ARTHUR_KILL_COGEN 323718	31.40 0.35 -25.15	31.21 0.49 -21.36	30.54 0.46 -20.47	29.88 0.46 -19.56	30.42 0.50 -19.02	33.73 0.58 -19.33	41.80 1.12 -15.84	51.03 1.41 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.28 1.17 -15.80	36.68 1.02 -14.07	36.88 0.89 -17.54	37.43 0.96 -16.82	38.43 0.79 -21.57	42.20 0.86 -22.20	53.51 0.87 -34.03	66.17 1.18 -42.63	60.40 1.17 -35.79	54.94 1.05 -31.49	49.41 0.91 -27.87	43.72 1.00 -20.47	40.15 0.82 -22.94	38.82 0.77 -22.28
ASHOKAN____ 23654	33.90 0.27 -27.73	33.34 0.42 -23.55	32.58 0.40 -22.57	31.84 0.42 -21.57	32.33 0.46 -20.97	35.70 0.57 -21.31	43.45 1.14 -17.46	52.63 0.21 -25.87	46.92 0.21 -20.67	40.87 0.00 -16.54	38.95 -0.06 -17.71	37.23 -0.13 -15.77	38.15 0.04 -19.66	38.53 0.04 -18.85	40.31 0.06 -24.18	44.16 0.13 -24.88	57.04 0.28 -38.16	72.09 0.58 -49.15	67.27 0.66 -43.18	58.29 0.58 -35.30	52.40 0.52 -31.25	45.62 0.42 -22.95	42.21 0.10 -25.72	40.78 0.03 -24.97

ASTORIA_EAST_ENERGY_CC1 323581	31.36 0.31 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.85 0.43 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.49 0.82 -15.83	50.73 1.12 -23.07	45.80 1.33 -18.43	40.41 1.34 -14.75	38.19 1.09 -15.79	36.73 1.08 -14.06	36.93 0.94 -17.53	37.46 1.00 -16.81	38.41 0.77 -21.56	42.25 0.92 -22.19	53.53 0.89 -34.03	67.41 1.21 -43.84	63.14 1.19 -38.51	54.97 1.08 -31.49	49.43 0.93 -27.87	43.67 0.96 -20.47	40.07 0.74 -22.94	38.75 0.69 -22.28
ASTORIA_EAST_ENERGY_CC2 323582	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.85 0.43 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.49 0.82 -15.83	50.73 1.12 -23.07	45.80 1.33 -18.43	40.41 1.34 -14.75	38.19 1.09 -15.79	36.73 1.08 -14.06	36.93 0.94 -17.53	37.46 1.00 -16.81	38.41 0.77 -21.56	42.25 0.92 -22.19	53.53 0.89 -34.03	67.41 1.21 -43.84	63.14 1.19 -38.51	54.97 1.08 -31.49	49.43 0.93 -27.87	43.67 0.96 -20.47	40.07 0.74 -22.94	38.75 0.69 -22.28
ASTORIA_GT2_1 24094	31.36 0.31 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT2_2 24095	31.36 0.31 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT2_3 24096	31.36 0.31 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT2_4 24097	31.36 0.31 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT3_1 24098	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT3_2 24099	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT3_3 24100	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT3_4 24101	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT4_1 24102	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT4_2 24103	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT4_3 24104	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT4_4 24105	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.50 0.82 -15.84	50.82 1.14 -23.13	45.88 1.35 -18.48	40.36 1.31 -14.72	38.18 1.11 -15.76	36.73 1.10 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.36 0.77 -21.52	42.18 0.90 -22.15	53.42 0.86 -33.96	67.27 1.16 -43.74	63.01 1.15 -38.43	54.85 1.03 -31.42	49.35 0.91 -27.81	43.63 0.96 -20.43	40.04 0.75 -22.89	38.71 0.71 -22.23
ASTORIA_GT_1 23523	31.36 0.31 -25.15	31.16 0.43 -21.36	30.48 0.40 -20.47	29.87 0.45 -19.56	30.42 0.50 -19.02	33.61 0.46 -19.33	41.54 0.87 -15.83	50.82 1.20 -23.07	45.88 1.41 -18.43	40.46 1.39 -14.75	38.25 1.15 -15.79	36.80 1.14 -14.06	36.96 0.98 -17.53	37.52 1.06 -16.81	38.44 0.80 -21.56	42.31 0.98 -22.19	53.59 0.95 -34.03	67.46 1.25 -43.84	63.19 1.24 -38.51	55.01 1.12 -31.49	49.49 0.99 -27.87	43.74 1.02 -20.47	40.12 0.79 -22.94	38.79 0.74 -22.28

ASTORIA_GT_10 24110	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.55 0.99 -33.96	67.42 1.32 -43.74	63.15 1.29 -38.43	55.01 1.19 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.19 0.90 -22.89	38.75 0.76 -22.23
ASTORIA_GT_11 24225	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.55 0.99 -33.96	67.42 1.32 -43.74	63.15 1.29 -38.43	55.01 1.19 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.19 0.90 -22.89	38.75 0.76 -22.23
ASTORIA_GT_12 24226	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.55 0.99 -33.96	67.42 1.32 -43.74	63.15 1.29 -38.43	55.01 1.19 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.19 0.90 -22.89	38.75 0.76 -22.23
ASTORIA_GT_13 24227	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.55 0.99 -33.96	67.42 1.32 -43.74	63.15 1.29 -38.43	55.01 1.19 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.19 0.90 -22.89	38.75 0.76 -22.23
ASTORIA_GT_5 24106	31.36 0.31 -25.15	31.16 0.43 -21.36	30.48 0.40 -20.47	29.87 0.45 -19.56	30.42 0.50 -19.02	33.61 0.46 -19.33	41.54 0.87 -15.83	50.82 1.20 -23.07	45.88 1.41 -18.43	40.46 1.39 -14.75	38.25 1.15 -15.79	36.80 1.14 -14.06	36.96 0.98 -17.53	37.52 1.06 -16.81	38.44 0.80 -21.56	42.31 0.98 -22.19	53.59 0.95 -34.03	67.46 1.25 -43.84	63.19 1.24 -38.51	55.01 1.12 -31.49	49.49 0.99 -27.87	43.74 1.02 -20.47	40.12 0.79 -22.94	38.79 0.74 -22.28
ASTORIA_GT_7 24107	31.36 0.31 -25.15	31.16 0.43 -21.36	30.48 0.40 -20.47	29.87 0.45 -19.56	30.42 0.50 -19.02	33.61 0.46 -19.33	41.54 0.87 -15.83	50.82 1.20 -23.07	45.88 1.41 -18.43	40.46 1.39 -14.75	38.25 1.15 -15.79	36.80 1.14 -14.06	36.96 0.98 -17.53	37.52 1.06 -16.81	38.44 0.80 -21.56	42.31 0.98 -22.19	53.59 0.95 -34.03	67.46 1.25 -43.84	63.19 1.24 -38.51	55.01 1.12 -31.49	49.49 0.99 -27.87	43.74 1.02 -20.47	40.12 0.79 -22.94	38.79 0.74 -22.28
ASTORIA_GT_8 24108	31.36 0.31 -25.15	31.16 0.43 -21.36	30.48 0.40 -20.47	29.88 0.46 -19.56	30.42 0.50 -19.02	33.61 0.46 -19.33	41.55 0.87 -15.84	50.88 1.19 -23.13	45.93 1.41 -18.48	40.41 1.36 -14.72	38.20 1.13 -15.76	36.77 1.14 -14.03	36.93 0.98 -17.50	37.48 1.06 -16.78	38.39 0.80 -21.52	42.22 0.94 -22.15	53.47 0.91 -33.96	67.31 1.21 -43.74	63.06 1.20 -38.43	54.90 1.08 -31.42	49.39 0.95 -27.81	43.67 1.00 -20.43	40.07 0.79 -22.89	38.74 0.74 -22.23
ASTORIA___2 24149	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.86 0.44 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.49 0.82 -15.83	50.76 1.14 -23.07	45.83 1.35 -18.43	40.41 1.34 -14.75	38.21 1.11 -15.79	36.75 1.10 -14.06	36.93 0.94 -17.53	37.48 1.02 -16.81	38.41 0.77 -21.56	42.27 0.94 -22.19	53.55 0.91 -34.03	67.41 1.21 -43.84	63.14 1.19 -38.51	54.97 1.08 -31.49	49.45 0.95 -27.87	43.69 0.98 -20.47	40.09 0.75 -22.94	38.76 0.71 -22.28
ASTORIA___3 23516	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.83 0.41 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.01 1.38 -23.07	45.97 1.48 -18.44	40.57 1.48 -14.75	38.32 1.21 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.53 0.88 -21.57	42.39 1.05 -22.20	53.65 1.00 -34.04	67.53 1.32 -43.85	63.27 1.31 -38.52	55.08 1.19 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.24 0.90 -22.95	38.81 0.76 -22.28
ASTORIA___4 23517	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.55 0.99 -33.96	67.42 1.32 -43.74	63.15 1.29 -38.43	55.01 1.19 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.19 0.90 -22.89	38.75 0.76 -22.23
ASTORIA___5 23518	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.83 0.41 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.01 1.38 -23.07	45.97 1.48 -18.44	40.57 1.48 -14.75	38.32 1.21 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.53 0.88 -21.57	42.39 1.05 -22.20	53.65 1.00 -34.04	67.53 1.32 -43.85	63.27 1.31 -38.52	55.08 1.19 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.24 0.90 -22.95	38.81 0.76 -22.28
AST_ENERGY_2_CC3 323677	31.32 0.27 -25.15	31.10 0.38 -21.36	30.44 0.37 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.66 0.51 -19.33	41.75 1.07 -15.83	50.95 1.33 -23.07	45.91 1.43 -18.44	40.49 1.41 -14.75	38.28 1.17 -15.80	36.82 1.17 -14.07	36.99 1.00 -17.54	37.54 1.08 -16.82	38.52 0.88 -21.57	42.37 1.03 -22.20	53.61 0.97 -34.04	67.48 1.27 -43.85	63.22 1.26 -38.52	55.06 1.16 -31.49	49.54 1.03 -27.88	43.90 1.18 -20.48	40.21 0.87 -22.95	38.76 0.71 -22.28
AST_ENERGY_2_CC4 323678	31.32 0.27 -25.15	31.10 0.38 -21.36	30.44 0.37 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.66 0.51 -19.33	41.75 1.07 -15.83	50.95 1.33 -23.07	45.91 1.43 -18.44	40.49 1.41 -14.75	38.28 1.17 -15.80	36.82 1.17 -14.07	36.99 1.00 -17.54	37.54 1.08 -16.82	38.52 0.88 -21.57	42.37 1.03 -22.20	53.61 0.97 -34.04	67.48 1.27 -43.85	63.22 1.26 -38.52	55.06 1.16 -31.49	49.54 1.03 -27.88	43.90 1.18 -20.48	40.21 0.87 -22.95	38.76 0.71 -22.28
ATHENS_STG_1 23668	33.84 0.16 -27.78	33.22 0.26 -23.59	32.47 0.26 -22.61	31.72 0.27 -21.61	32.20 0.29 -21.01	35.52 0.35 -21.35	43.03 0.69 -17.49	52.80 0.74 -25.51	47.24 0.81 -20.38	41.39 0.76 -16.30	39.43 0.66 -17.46	37.81 0.67 -15.55	38.39 0.55 -19.39	38.84 0.61 -18.59	40.41 0.50 -23.84	44.27 0.59 -24.53	56.78 0.56 -37.62	71.49 0.67 -48.46	66.71 0.70 -42.57	57.90 0.70 -34.81	52.08 0.64 -30.81	45.57 0.69 -22.63	42.24 0.49 -25.36	40.82 0.43 -24.62
ATHENS_STG_2 23670	33.84 0.16 -27.78	33.22 0.26 -23.59	32.47 0.26 -22.61	31.72 0.27 -21.61	32.20 0.29 -21.01	35.52 0.35 -21.35	43.03 0.69 -17.49	52.80 0.74 -25.51	47.24 0.81 -20.38	41.39 0.76 -16.30	39.43 0.66 -17.46	37.81 0.67 -15.55	38.39 0.55 -19.39	38.84 0.61 -18.59	40.41 0.50 -23.84	44.27 0.59 -24.53	56.78 0.56 -37.62	71.49 0.67 -48.46	66.71 0.70 -42.57	57.90 0.70 -34.81	52.08 0.64 -30.81	45.57 0.69 -22.63	42.24 0.49 -25.36	40.82 0.43 -24.62

ATHENS_STG_3 23677	33.84 0.16 -27.78	33.22 0.26 -23.59	32.47 0.26 -22.61	31.72 0.27 -21.61	32.20 0.29 -21.01	35.52 0.35 -21.35	43.03 0.69 -17.49	52.80 0.74 -25.51	47.24 0.81 -20.38	41.39 0.76 -16.30	39.43 0.66 -17.46	37.81 0.67 -15.55	38.39 0.55 -19.39	38.84 0.61 -18.59	40.41 0.50 -23.84	44.27 0.59 -24.53	56.78 0.56 -37.62	71.49 0.67 -48.46	66.71 0.70 -42.57	57.90 0.70 -34.81	52.08 0.64 -30.81	45.57 0.69 -22.63	42.24 0.49 -25.36	40.82 0.43 -24.62
AUBURN____LFGE 323710	11.81 0.09 -5.82	14.46 0.15 -4.94	14.49 0.14 -4.74	14.52 0.14 -4.53	15.44 0.14 -4.40	18.50 0.21 -4.47	28.88 0.37 -3.66	32.38 0.48 -5.35	30.82 0.49 -4.28	27.95 0.51 -3.11	25.08 0.47 -3.30	24.87 0.50 -2.78	22.41 0.41 -3.55	23.40 0.47 -3.28	20.76 0.37 -4.32	24.01 0.46 -4.42	26.00 0.48 -6.92	31.91 0.60 -8.94	32.17 0.61 -8.13	29.32 0.58 -6.34	26.74 0.52 -5.60	26.75 0.49 -4.02	21.45 0.34 -4.71	20.85 0.38 -4.70
BABYLON_RES_REC 323704	32.81 0.52 -26.39	31.41 0.68 -21.36	30.73 0.65 -20.47	29.97 0.55 -19.56	30.56 0.64 -19.02	34.13 0.98 -19.33	43.10 2.14 -16.12	51.94 2.31 -23.08	46.96 2.48 -18.44	41.90 2.41 -15.16	40.09 1.98 -16.80	38.73 1.94 -15.19	38.77 1.66 -18.66	39.60 1.81 -18.15	41.82 1.56 -24.20	51.73 1.84 -30.75	84.52 1.80 -64.12	87.93 2.26 -63.30	86.21 2.32 -60.46	83.28 2.17 -58.71	63.96 1.98 -41.35	54.57 2.14 -30.19	41.75 1.57 -23.78	40.20 1.37 -23.06
BABYLON__69_KV_BK2 356345	32.90 0.61 -26.39	31.55 0.82 -21.36	30.88 0.80 -20.47	30.15 0.74 -19.56	30.72 0.80 -19.02	34.34 1.19 -19.33	43.50 2.53 -16.12	52.39 2.71 -23.13	47.42 2.89 -18.48	42.15 2.70 -15.12	40.33 2.26 -16.76	39.02 2.27 -15.16	39.00 1.94 -18.62	39.83 2.08 -18.11	41.94 1.72 -24.15	51.91 2.07 -30.71	84.68 2.05 -64.03	88.13 2.57 -63.20	86.45 2.65 -60.36	83.52 2.49 -58.63	64.18 2.27 -41.28	54.78 2.40 -30.14	41.97 1.85 -23.72	40.40 1.62 -23.00
BALL_HILL_WT_PWR 323825	12.95 0.11 -6.94	15.44 0.18 -5.89	15.43 0.17 -5.65	15.42 0.17 -5.40	16.23 0.08 -5.25	19.16 0.00 -5.33	28.89 -0.32 -4.37	31.58 -0.66 -5.69	30.00 -0.60 -4.55	27.41 -0.49 -3.57	24.79 -0.34 -3.82	24.63 -0.37 -3.40	22.27 -0.42 -4.24	23.32 -0.39 -4.07	20.92 -0.37 -5.22	24.09 -0.42 -5.37	26.41 -0.43 -8.23	32.28 -0.69 -10.61	32.10 -0.66 -9.32	29.46 -0.56 -7.62	26.92 -0.45 -6.74	26.82 -0.38 -4.95	21.78 -0.16 -5.55	21.33 0.17 -5.39
BARON_WINDS____WT_PWR 323822	14.31 0.08 -8.33	16.59 0.15 -7.07	16.55 0.16 -6.78	16.49 0.16 -6.48	17.32 0.12 -6.30	20.32 0.10 -6.40	30.06 -0.02 -5.25	33.31 -0.13 -6.89	31.43 -0.13 -5.51	28.54 -0.10 -4.31	25.86 -0.06 -4.61	25.59 -0.11 -4.11	23.37 -0.20 -5.12	24.40 -0.16 -4.91	22.21 -0.16 -6.30	25.47 -0.15 -6.48	28.41 -0.13 -9.94	34.97 -0.20 -12.80	34.52 -0.16 -11.25	31.47 -0.13 -9.20	28.69 -0.08 -8.14	28.18 -0.04 -5.98	23.11 0.02 -6.70	22.50 0.22 -6.51
BARRETT_IC_1 23704	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_10 23701	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_11 23702	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_12 23703	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_2 23705	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_3 23706	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_4 23707	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_5 23708	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_6 23709	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22

BARRETT_IC_7 23710	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.93 0.51 -19.56	30.47 0.55 -19.02	34.03 0.82 -19.39	45.70 1.71 -19.14	51.52 1.83 -23.13	46.61 2.08 -18.48	45.64 1.92 -19.39	49.96 1.56 -27.10	49.99 1.58 -26.82	49.98 1.35 -30.18	52.98 1.43 -31.90	52.85 1.11 -35.68	54.74 1.32 -34.28	83.90 1.26 -64.03	87.21 1.59 -63.26	85.44 1.64 -60.36	82.56 1.52 -58.63	63.31 1.40 -41.28	59.17 1.49 -35.44	49.95 1.23 -32.32	48.02 1.09 -31.16
BARRETT_IC_8 23711	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT_IC_9 23700	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT___1 23545	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BARRETT___2 23546	45.70 0.42 -39.38	31.37 0.55 -21.44	30.68 0.54 -20.53	29.90 0.47 -19.57	30.47 0.54 -19.03	34.03 0.82 -19.39	45.70 1.71 -19.14	51.46 1.83 -23.08	46.57 2.08 -18.44	45.70 1.95 -19.42	50.02 1.58 -27.14	50.02 1.58 -26.85	50.02 1.35 -30.22	53.02 1.43 -31.94	53.02 1.22 -35.73	54.85 1.38 -34.33	84.06 1.34 -64.12	87.43 1.70 -63.37	85.63 1.73 -60.46	82.75 1.63 -58.71	63.44 1.46 -41.35	59.31 1.58 -35.49	50.02 1.25 -32.38	48.09 1.10 -31.22
BATAVIA___115KV_TB1 55881	12.39 0.19 -6.30	15.02 0.30 -5.35	15.04 0.31 -5.12	15.05 0.30 -4.90	15.90 0.24 -4.76	18.91 0.25 -4.84	29.03 0.22 -3.97	32.29 -0.05 -5.79	30.62 -0.05 -4.63	27.66 0.05 -3.28	24.93 0.11 -3.51	24.81 0.09 -3.13	22.39 0.04 -3.90	23.46 0.08 -3.74	20.93 0.06 -4.80	24.15 0.08 -4.94	26.23 0.06 -7.57	32.14 0.02 -9.75	32.07 0.07 -8.57	29.50 0.09 -7.00	26.91 0.08 -6.20	26.96 0.16 -4.55	21.64 0.15 -5.10	21.17 0.44 -4.96
BAYONEEC___CTG1 323682	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG10 323750	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG2 323683	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG3 323684	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG4 323685	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG5 323686	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG6 323687	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG7 323688	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BAYONEEC___CTG8 323689	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28

BAYONEEC___CTG9 323749	31.32 0.27 -25.15	31.10 0.38 -21.36	30.43 0.36 -20.47	29.77 0.35 -19.56	30.30 0.38 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.30 1.19 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.61 0.97 -34.04	66.27 1.27 -42.63	60.49 1.26 -35.79	55.06 1.16 -31.49	49.56 1.05 -27.88	43.90 1.18 -20.48	40.22 0.88 -22.95	38.78 0.73 -22.28
BEACON___LESR 323632	36.33 0.14 -30.29	35.30 0.21 -25.72	34.48 0.22 -24.65	33.66 0.25 -23.56	34.08 0.27 -22.91	37.43 0.33 -23.28	44.59 0.67 -19.07	55.87 0.61 -28.70	49.66 0.68 -22.93	43.31 0.63 -18.35	41.55 0.60 -19.65	39.67 0.58 -17.49	40.76 0.50 -21.81	41.09 0.53 -20.91	43.34 0.45 -26.82	47.32 0.57 -27.61	61.53 0.60 -42.33	77.65 0.76 -54.52	72.11 0.77 -47.90	62.28 0.72 -39.16	55.96 0.66 -34.67	48.40 0.69 -25.47	45.34 0.41 -28.53	43.84 0.36 -27.71
BEAVER RIVER___HYD 24048	7.98 -0.25 -2.32	10.94 -0.40 -1.97	11.08 -0.42 -1.89	11.26 -0.40 -1.81	12.27 -0.39 -1.76	15.18 -0.43 -1.79	25.81 -0.50 -1.46	28.12 -0.35 -1.91	26.85 -0.73 -1.53	24.71 -0.83 -1.20	25.17 -0.81 -4.68	25.79 -0.84 -5.04	23.86 -0.74 -6.14	16.67 -0.88 2.10	12.98 -0.69 2.40	15.43 -0.80 2.90	16.06 -0.67 1.88	19.65 -0.67 2.04	27.42 -0.61 -4.59	18.75 -0.67 2.98	17.14 -0.66 2.83	17.67 -0.80 3.77	15.31 -0.64 0.45	16.88 -0.71 -1.82
BEEBEE_GT_13 23619	11.85 0.12 -5.83	14.50 0.19 -4.95	14.54 0.19 -4.74	14.56 0.18 -4.53	15.45 0.14 -4.40	18.44 0.14 -4.48	28.61 0.10 -3.67	31.83 -0.08 -5.36	30.25 -0.08 -4.28	27.40 0.05 -3.02	24.63 0.09 -3.24	24.58 0.11 -2.88	22.12 0.07 -3.59	23.21 0.12 -3.45	20.57 0.08 -4.42	23.76 0.08 -4.55	25.65 0.07 -6.98	31.42 0.07 -8.98	31.40 0.07 -7.89	28.95 0.09 -6.45	26.40 0.06 -5.71	26.53 0.09 -4.20	21.19 0.10 -4.70	20.62 0.28 -4.57
BENSHRST_27_KV_BENSHRST_1 355998	31.41 0.36 -25.15	31.22 0.50 -21.36	30.56 0.48 -20.47	29.90 0.48 -19.56	30.44 0.52 -19.02	33.76 0.61 -19.33	41.90 1.22 -15.84	51.25 1.57 -23.13	46.19 1.67 -18.48	40.68 1.63 -14.72	38.39 1.32 -15.76	36.88 1.25 -14.03	37.04 1.09 -17.50	37.60 1.18 -16.78	38.55 0.96 -21.52	42.39 1.11 -22.15	53.66 1.10 -33.96	67.56 1.45 -43.74	63.32 1.45 -38.43	55.14 1.32 -31.42	49.60 1.16 -27.81	43.94 1.27 -20.43	40.32 1.03 -22.89	38.86 0.87 -22.23
BETHLEHEM___GRP 23843	36.26 0.04 -30.32	35.19 0.07 -25.75	34.37 0.09 -24.68	33.55 0.11 -23.58	33.94 0.11 -22.93	37.24 0.11 -23.30	44.16 0.22 -19.09	54.60 0.16 -27.89	48.56 0.23 -22.28	42.88 0.22 -18.33	41.16 0.21 -19.64	39.29 0.22 -17.48	40.43 0.18 -21.80	40.74 0.20 -20.90	43.04 0.16 -26.81	46.94 0.21 -27.59	61.11 0.20 -42.30	77.08 0.22 -54.49	71.56 0.26 -47.87	61.79 0.25 -39.14	55.50 0.23 -34.65	47.92 0.22 -25.45	45.02 0.11 -28.52	43.54 0.08 -27.69
BETHLEHEM___GS1 323560	36.27 0.04 -30.32	35.19 0.07 -25.75	34.37 0.09 -24.68	33.56 0.12 -23.58	33.94 0.11 -22.93	37.24 0.11 -23.30	44.16 0.22 -19.09	55.46 0.16 -28.75	49.25 0.23 -22.97	42.92 0.22 -18.37	41.20 0.21 -19.68	39.33 0.22 -17.52	40.48 0.18 -21.85	40.78 0.20 -20.94	43.09 0.16 -26.86	46.99 0.21 -27.65	61.20 0.20 -42.39	77.19 0.22 -54.60	71.64 0.23 -47.97	61.87 0.25 -39.22	55.58 0.23 -34.72	47.97 0.22 -25.50	45.08 0.12 -28.58	43.60 0.08 -27.75
BETHLEHEM___GS2 323561	36.27 0.04 -30.32	35.19 0.07 -25.75	34.37 0.09 -24.68	33.56 0.12 -23.58	33.94 0.11 -22.93	37.24 0.11 -23.30	44.16 0.22 -19.09	55.46 0.16 -28.75	49.25 0.23 -22.97	42.92 0.22 -18.37	41.20 0.21 -19.68	39.33 0.22 -17.52	40.48 0.18 -21.85	40.78 0.20 -20.94	43.09 0.16 -26.86	46.99 0.21 -27.65	61.20 0.20 -42.39	77.19 0.22 -54.60	71.64 0.23 -47.97	61.87 0.25 -39.22	55.58 0.23 -34.72	47.97 0.22 -25.50	45.08 0.12 -28.58	43.60 0.08 -27.75
BETHLEHEM___GS3 323562	36.27 0.04 -30.32	35.19 0.07 -25.75	34.37 0.09 -24.68	33.56 0.12 -23.58	33.94 0.11 -22.93	37.24 0.11 -23.30	44.16 0.22 -19.09	55.46 0.16 -28.75	49.25 0.23 -22.97	42.92 0.22 -18.37	41.20 0.21 -19.68	39.33 0.22 -17.52	40.48 0.18 -21.85	40.78 0.20 -20.94	43.09 0.16 -26.86	46.99 0.21 -27.65	61.20 0.20 -42.39	77.19 0.22 -54.60	71.64 0.23 -47.97	61.87 0.25 -39.22	55.58 0.23 -34.72	47.97 0.22 -25.50	45.08 0.12 -28.58	43.60 0.08 -27.75
BETHLEHEM___STEEL 23779	12.82 0.10 -6.82	15.33 0.17 -5.79	15.31 0.15 -5.55	15.30 0.14 -5.31	16.11 0.05 -5.16	19.05 -0.01 -5.24	28.77 -0.37 -4.30	32.08 -0.74 -6.27	30.41 -0.65 -5.01	27.39 -0.51 -3.57	24.79 -0.34 -3.82	24.61 -0.39 -3.40	22.27 -0.42 -4.24	23.32 -0.39 -4.07	20.92 -0.37 -5.22	24.08 -0.42 -5.37	26.41 -0.43 -8.23	32.27 -0.69 -10.60	32.10 -0.66 -9.32	29.46 -0.56 -7.62	26.90 -0.47 -6.74	26.77 -0.42 -4.95	21.73 -0.21 -5.55	21.32 0.16 -5.39
BETHLHEM_115KV_TB1 79974	36.27 0.06 -30.31	35.20 0.09 -25.74	34.39 0.12 -24.66	33.55 0.13 -23.57	33.96 0.14 -22.92	37.27 0.15 -23.29	44.23 0.30 -19.08	54.67 0.24 -27.87	48.63 0.31 -22.27	42.95 0.29 -18.33	41.22 0.28 -19.64	39.35 0.28 -17.48	40.49 0.24 -21.80	40.80 0.26 -20.90	43.08 0.21 -26.80	46.99 0.27 -27.58	61.16 0.26 -42.30	77.16 0.31 -54.48	71.63 0.33 -47.86	61.85 0.31 -39.13	55.56 0.29 -34.64	48.00 0.31 -25.45	45.07 0.16 -28.51	43.60 0.14 -27.69
BETHPAGE_CC_5 323564	33.14 0.47 -26.77	31.35 0.62 -21.36	30.68 0.60 -20.47	29.92 0.50 -19.56	30.51 0.59 -19.02	34.04 0.89 -19.33	42.94 1.89 -16.21	51.68 2.04 -23.08	46.73 2.24 -18.44	41.78 2.16 -15.28	40.20 1.79 -17.10	38.90 1.77 -15.53	38.96 1.51 -19.00	39.85 1.65 -18.55	42.00 1.41 -24.52	51.62 1.65 -30.84	84.30 1.58 -64.12	87.66 1.99 -63.31	85.93 2.04 -60.46	83.02 1.90 -58.71	63.71 1.73 -41.35	54.50 1.91 -30.34	41.84 1.41 -24.03	40.33 1.26 -23.30
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	12.85 0.09 -6.86	15.35 0.15 -5.83	15.33 0.13 -5.59	15.31 0.12 -5.34	16.13 0.04 -5.19	19.06 -0.04 -5.27	28.77 -0.40 -4.32	32.12 -0.74 -6.31	30.41 -0.68 -5.04	27.39 -0.54 -3.59	24.79 -0.36 -3.85	24.61 -0.41 -3.42	22.28 -0.44 -4.27	23.31 -0.43 -4.09	20.93 -0.39 -5.25	24.10 -0.44 -5.40	26.44 -0.45 -8.28	32.34 -0.69 -10.67	32.15 -0.66 -9.37	29.48 -0.58 -7.66	26.92 -0.50 -6.78	26.81 -0.42 -4.98	21.75 -0.23 -5.58	21.32 0.13 -5.42
BINGHAMTON___COGEN 23790	16.86 0.11 -10.85	18.77 0.19 -9.21	18.62 0.18 -8.83	18.47 0.18 -8.44	19.28 0.17 -8.20	22.35 0.19 -8.34	31.97 0.30 -6.83	36.85 0.32 -9.98	34.36 0.34 -7.97	30.45 0.41 -5.71	27.80 0.38 -6.12	27.40 0.37 -5.44	25.53 0.30 -6.79	26.49 0.33 -6.51	24.68 0.26 -8.35	28.03 0.31 -8.59	32.07 0.30 -13.17	39.69 0.36 -16.97	38.72 0.37 -14.91	34.97 0.38 -12.19	31.77 0.35 -10.79	30.55 0.38 -7.93	25.58 0.31 -8.88	24.74 0.35 -8.62
BIXINCNT_115KV_LOAD 355685	12.91 -0.04 -7.05	15.38 0.03 -5.99	15.36 0.02 -5.74	15.32 -0.02 -5.48	16.08 -0.15 -5.33	18.99 -0.25 -5.42	28.49 -0.79 -4.44	31.97 -1.06 -6.48	30.13 -1.09 -5.18	26.95 -1.07 -3.69	24.38 -0.87 -3.95	24.07 -1.04 -3.52	21.77 -1.07 -4.39	22.77 -1.08 -4.21	20.58 -0.88 -5.39	23.71 -0.98 -5.55	26.15 -0.97 -8.51	32.17 -1.16 -10.97	31.99 -1.08 -9.63	29.31 -0.96 -7.88	26.71 -0.89 -6.97	26.54 -0.82 -5.12	21.62 -0.51 -5.74	21.18 -0.16 -5.57

BLACK RIVER___HYD 24047	8.80 -0.16 -3.06	11.73 -0.24 -2.60	11.83 -0.27 -2.49	11.97 -0.27 -2.38	12.97 -0.25 -2.32	15.94 -0.24 -2.35	26.65 -0.12 -1.93	29.10 0.03 -2.52	27.78 -0.29 -2.01	25.46 -0.46 -1.59	24.88 -0.49 -4.07	25.31 -0.52 -4.24	23.15 -0.48 -5.18	18.46 -0.57 0.61	15.07 -0.42 0.58	17.79 -0.44 0.91	18.73 -0.28 -0.41	22.98 -0.18 -0.79	28.53 -0.07 -5.16	21.80 -0.11 0.49	19.89 -0.17 0.57	20.31 -0.33 1.60	16.96 -0.28 -0.85	17.76 -0.41 -2.40
BLACKRVR_115KV_TB2 79977	8.80 -0.16 -3.06	11.73 -0.24 -2.60	11.83 -0.27 -2.49	11.97 -0.27 -2.38	12.97 -0.25 -2.32	15.94 -0.23 -2.35	26.65 -0.12 -1.93	29.40 0.03 -2.82	28.01 -0.29 -2.25	25.48 -0.46 -1.61	24.90 -0.49 -4.09	25.33 -0.52 -4.26	23.18 -0.48 -5.21	18.48 -0.57 0.59	15.10 -0.42 0.55	17.82 -0.44 0.88	18.80 -0.26 -0.46	23.04 -0.18 -0.85	28.58 -0.07 -5.21	21.84 -0.11 0.45	19.93 -0.17 0.53	20.34 -0.33 1.57	17.00 -0.28 -0.88	17.79 -0.41 -2.43
BLISS_WT_PWR 323608	12.88 -0.07 -7.05	15.35 -0.01 -5.99	15.33 -0.02 -5.74	15.29 -0.05 -5.48	16.02 -0.21 -5.33	18.92 -0.32 -5.42	28.36 -0.92 -4.44	31.12 -1.22 -5.78	29.42 -1.25 -4.62	26.66 -1.29 -3.62	24.12 -1.06 -3.88	23.82 -1.23 -3.46	21.49 -1.27 -4.31	22.50 -1.28 -4.13	20.33 -1.04 -5.30	23.44 -1.15 -5.45	25.83 -1.14 -8.36	31.82 -1.32 -10.77	31.66 -1.24 -9.46	29.02 -1.12 -7.74	26.45 -1.03 -6.85	26.30 -0.98 -5.03	21.41 -0.62 -5.64	21.01 -0.24 -5.47
BLUESTONE___WT_PWR 323821	17.53 0.34 -11.29	19.55 0.60 -9.58	19.36 0.57 -9.18	19.20 0.57 -8.78	20.09 0.65 -8.53	23.34 0.84 -8.67	33.74 1.79 -7.11	37.87 2.02 -9.30	35.41 1.93 -7.43	31.74 2.21 -5.20	28.75 1.88 -5.57	28.45 1.90 -4.96	26.22 1.59 -6.18	27.24 1.67 -5.93	25.07 1.40 -7.60	28.65 1.68 -7.82	32.39 1.79 -12.00	40.03 2.21 -15.45	39.36 2.34 -13.58	35.72 2.22 -11.10	32.42 1.96 -9.83	31.42 1.96 -7.22	25.94 1.46 -8.09	24.87 1.25 -7.85
BLUE_CIRC_CHEM_DRP 24182	36.23 0.12 -30.21	35.21 0.19 -25.66	34.40 0.20 -24.59	33.56 0.21 -23.50	33.98 0.23 -22.85	37.30 0.26 -23.22	44.39 0.52 -19.02	54.84 0.50 -27.79	48.79 0.55 -22.20	43.15 0.51 -18.31	41.36 0.45 -19.61	39.50 0.45 -17.45	40.60 0.39 -21.77	40.92 0.41 -20.87	43.19 0.35 -26.77	47.10 0.42 -27.55	61.25 0.41 -42.24	77.26 0.49 -54.40	71.75 0.52 -47.79	61.97 0.49 -39.08	55.68 0.45 -34.59	48.14 0.49 -25.41	45.19 0.33 -28.47	43.70 0.28 -27.65
BOC_GAS_DRP 24189	36.23 0.11 -30.22	35.21 0.18 -25.66	34.40 0.19 -24.59	33.55 0.20 -23.51	33.97 0.22 -22.85	37.30 0.25 -23.22	44.37 0.50 -19.03	54.82 0.48 -27.79	48.78 0.52 -22.21	43.14 0.49 -18.32	41.37 0.45 -19.62	39.51 0.45 -17.47	40.62 0.39 -21.78	40.94 0.41 -20.88	43.19 0.34 -26.78	47.12 0.42 -27.56	61.26 0.39 -42.27	77.25 0.45 -54.44	71.76 0.49 -47.83	61.98 0.47 -39.11	55.68 0.43 -34.62	48.14 0.47 -25.43	45.20 0.31 -28.49	43.70 0.27 -27.67
BOONVILLE_115KV_TB1 79983	7.80 -0.01 -1.91	10.98 -0.01 -1.62	11.15 -0.02 -1.56	11.33 -0.01 -1.49	12.37 0.02 -1.45	15.36 0.07 -1.47	26.37 0.32 -1.20	28.76 0.45 -1.76	27.77 0.31 -1.41	25.55 0.22 -1.01	23.71 0.15 -2.26	24.04 0.13 -2.32	21.38 0.09 -2.84	19.62 0.04 0.07	16.14 0.05 -0.02	19.08 0.08 0.13	19.44 0.15 -0.69	23.64 0.25 -1.03	26.87 0.30 -3.13	22.86 0.25 -0.21	20.93 0.19 -0.12	21.87 0.13 0.51	17.21 0.07 -0.75	17.27 -0.02 -1.52
BORALEX_4TH_BRANCH 23824	36.36 0.27 -30.19	35.41 0.40 -25.64	34.58 0.40 -24.57	33.76 0.42 -23.48	34.20 0.47 -22.83	37.75 0.72 -23.20	45.17 1.32 -19.01	55.60 1.27 -27.77	49.54 1.30 -22.19	43.71 1.19 -18.18	41.87 1.09 -19.48	40.08 1.14 -17.34	41.01 0.94 -21.62	41.36 0.98 -20.73	43.46 0.80 -26.59	47.48 0.98 -27.36	61.53 0.97 -41.96	77.44 1.03 -54.04	72.02 1.10 -47.48	62.32 1.10 -38.82	56.02 1.03 -34.36	48.60 1.11 -25.24	45.45 0.77 -28.28	43.97 0.74 -27.46
BOWLINE___1 23526	30.64 0.26 -24.48	30.52 0.37 -20.79	29.88 0.36 -19.92	29.23 0.34 -19.04	29.78 0.37 -18.51	33.14 0.51 -18.81	41.27 1.02 -15.41	50.14 1.20 -22.39	45.24 1.30 -17.89	39.89 1.24 -14.32	37.69 1.04 -15.34	36.26 1.02 -13.65	36.36 0.89 -17.02	36.93 0.96 -16.32	37.79 0.79 -20.94	41.62 0.94 -21.55	52.53 0.89 -33.04	66.08 1.16 -42.55	61.99 1.17 -37.38	54.04 1.08 -30.57	48.66 0.97 -27.06	43.23 1.11 -19.88	39.47 0.80 -22.27	38.06 0.66 -21.62
BOWLINE___2 23595	30.64 0.26 -24.48	30.52 0.37 -20.79	29.88 0.36 -19.92	29.24 0.34 -19.04	29.78 0.37 -18.51	33.15 0.51 -18.81	41.28 1.02 -15.41	50.14 1.20 -22.39	45.24 1.30 -17.89	39.89 1.24 -14.32	37.69 1.04 -15.34	36.26 1.02 -13.65	36.36 0.89 -17.03	36.93 0.96 -16.32	37.79 0.79 -20.94	41.62 0.94 -21.55	52.54 0.89 -33.04	66.08 1.16 -42.56	62.00 1.17 -37.39	54.05 1.08 -30.57	48.66 0.97 -27.06	43.23 1.11 -19.88	39.47 0.80 -22.27	38.06 0.66 -21.63
BRADY___115KV_TB2 356060	6.47 -0.63 -1.19	9.28 -1.11 -1.01	9.50 -1.08 -0.97	9.77 -1.01 -0.93	10.82 -0.98 -0.90	13.66 -1.08 -0.92	23.83 -1.76 -0.75	26.14 -1.51 -1.10	24.37 -2.55 -0.88	22.25 -2.70 -0.62	28.17 -2.49 -9.36	28.52 -2.50 -9.43	28.42 -2.08 -12.06	6.80 -2.44 10.41	2.25 -2.01 11.81	3.20 -2.45 13.48	3.42 -2.38 12.80	4.27 -2.75 15.34	26.15 -2.74 -5.45	3.87 -2.87 15.67	3.64 -2.54 14.45	3.62 -2.83 15.80	8.10 -2.16 6.12	14.71 -2.00 -0.94
BRANSCOMB___SOLAR 323811	37.25 0.32 -31.04	36.20 0.48 -26.36	35.35 0.48 -25.26	34.47 0.48 -24.14	34.90 0.53 -23.47	38.41 0.73 -23.85	45.78 1.39 -19.54	57.30 1.41 -29.34	50.92 1.43 -23.44	44.37 1.29 -18.76	42.50 1.11 -20.09	40.60 1.12 -17.88	41.71 0.96 -22.30	42.05 1.02 -21.38	44.31 0.82 -27.42	48.16 0.80 -28.22	62.70 0.82 -43.28	79.14 1.03 -55.74	73.49 1.08 -48.97	63.45 1.01 -40.04	56.98 0.91 -35.44	49.19 0.91 -26.04	46.19 0.62 -29.17	44.92 0.82 -28.33
BRENTWOD_69_KV_W. BRTWOOD 56703	32.33 0.60 -25.82	31.53 0.81 -21.36	30.85 0.78 -20.47	30.14 0.73 -19.56	30.71 0.78 -19.02	34.33 1.17 -19.33	43.32 2.48 -15.99	52.37 2.68 -23.13	47.37 2.84 -18.48	41.94 2.68 -14.93	39.88 2.26 -16.31	38.51 2.27 -14.65	38.48 1.92 -18.11	39.21 2.06 -17.51	41.44 1.70 -23.66	51.73 2.03 -30.57	84.62 1.99 -64.03	88.04 2.48 -63.19	86.37 2.58 -60.36	83.43 2.40 -58.63	64.09 2.19 -41.28	54.49 2.34 -29.91	41.56 1.82 -23.35	40.01 1.59 -22.65
BRISTLHL_115KV_TB1 79998	10.37 -0.04 -4.51	13.14 -0.06 -3.83	13.22 -0.06 -3.67	13.29 -0.07 -3.51	14.22 -0.09 -3.41	17.19 -0.10 -3.47	27.46 -0.22 -2.84	30.46 -0.24 -4.15	29.15 -0.21 -3.31	26.53 -0.17 -2.37	24.02 -0.13 -2.85	24.10 -0.11 -2.62	21.61 -0.09 -3.25	21.95 -0.08 -2.38	19.07 -0.08 -3.08	22.19 -0.08 -3.13	23.57 -0.07 -5.04	28.83 -0.07 -6.53	29.66 -0.09 -6.32	26.89 -0.07 -4.55	24.56 -0.08 -4.01	24.93 -0.11 -2.79	19.80 -0.07 -3.47	19.30 -0.05 -3.58
BROOKHAVEN___DRP 24191	32.22 0.61 -25.71	31.53 0.81 -21.36	30.86 0.79 -20.47	30.13 0.72 -19.56	30.70 0.77 -19.02	34.32 1.17 -19.33	43.34 2.53 -15.96	52.39 2.71 -23.13	47.42 2.89 -18.48	41.95 2.73 -14.90	39.79 2.26 -16.22	38.39 2.25 -14.55	38.38 1.92 -18.01	39.11 2.08 -17.39	41.36 1.72 -23.57	51.77 2.09 -30.54	84.70 2.06 -64.03	88.15 2.59 -63.19	86.47 2.67 -60.36	83.52 2.49 -58.63	64.18 2.27 -41.28	54.49 2.38 -29.86	41.52 1.85 -23.28	39.96 1.61 -22.58

BROOKLYN_NAVY_YARD 23515	31.31 0.26 -25.15	31.08 0.36 -21.36	30.41 0.34 -20.47	29.75 0.34 -19.56	30.28 0.36 -19.02	33.65 0.50 -19.33	41.75 1.07 -15.83	50.95 1.33 -23.07	45.94 1.46 -18.44	40.52 1.44 -14.75	38.26 1.15 -15.80	36.78 1.12 -14.07	36.97 0.98 -17.54	37.52 1.06 -16.82	38.51 0.87 -21.57	42.37 1.03 -22.20	53.61 0.97 -34.04	67.48 1.27 -43.85	63.22 1.26 -38.52	55.06 1.16 -31.49	49.54 1.03 -27.88	43.88 1.16 -20.48	40.21 0.87 -22.95	38.74 0.69 -22.28
BROOKLYN___ARMY_DRP 323595	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
BROOKVLE_69_KV_TB1 55790	34.17 0.42 -27.85	31.31 0.57 -21.37	30.63 0.55 -20.48	29.94 0.52 -19.56	30.48 0.56 -19.02	33.98 0.82 -19.34	43.02 1.71 -16.46	51.60 1.91 -23.13	46.59 2.06 -18.48	41.90 1.97 -15.60	40.91 1.68 -17.92	39.72 1.66 -16.47	39.80 1.44 -19.92	40.85 1.55 -19.66	42.60 1.24 -25.29	51.55 1.49 -30.92	84.03 1.40 -64.03	87.33 1.77 -63.20	85.58 1.78 -60.36	82.69 1.66 -58.63	63.43 1.53 -41.28	54.69 1.71 -30.73	42.36 1.28 -24.69	40.81 1.12 -23.92
BROOME_2_LFGE 323671	16.86 0.11 -10.85	18.77 0.19 -9.21	18.62 0.18 -8.83	18.47 0.18 -8.44	19.28 0.17 -8.20	22.35 0.19 -8.34	31.97 0.30 -6.83	35.82 0.32 -8.95	33.54 0.34 -7.15	30.27 0.41 -5.53	27.59 0.36 -5.92	27.23 0.37 -5.27	25.30 0.28 -6.57	26.28 0.33 -6.30	24.41 0.26 -8.08	27.76 0.31 -8.32	31.66 0.30 -12.76	39.13 0.34 -16.43	38.25 0.37 -14.44	34.59 0.38 -11.80	31.43 0.35 -10.45	30.30 0.38 -7.68	25.30 0.31 -8.60	24.47 0.35 -8.35
BROOME___LFGE 323600	16.86 0.11 -10.85	18.77 0.19 -9.21	18.62 0.18 -8.83	18.47 0.18 -8.44	19.28 0.17 -8.20	22.35 0.19 -8.34	31.97 0.30 -6.83	35.82 0.32 -8.95	33.54 0.34 -7.15	30.27 0.41 -5.53	27.59 0.36 -5.92	27.23 0.37 -5.27	25.30 0.28 -6.57	26.28 0.33 -6.30	24.41 0.26 -8.08	27.76 0.31 -8.32	31.66 0.30 -12.76	39.13 0.34 -16.43	38.25 0.37 -14.44	34.59 0.38 -11.80	31.43 0.35 -10.45	30.30 0.38 -7.68	25.30 0.31 -8.60	24.47 0.35 -8.35
BROWNFLS_115KV_TB_3_5 80003	7.32 -0.45 -1.87	10.18 -0.78 -1.59	10.37 -0.77 -1.53	10.57 -0.74 -1.46	11.58 -0.74 -1.42	14.43 -0.83 -1.44	24.71 -1.32 -1.18	27.13 -1.14 -1.72	25.68 -1.75 -1.38	23.49 -1.82 -0.98	26.84 -1.68 -7.21	27.91 -1.71 -8.02	26.73 -1.46 -9.74	12.77 -1.69 5.19	8.57 -1.38 6.12	10.36 -1.68 7.09	10.82 -1.58 6.20	13.28 -1.79 7.30	26.88 -1.76 -5.20	12.56 -1.84 8.00	11.52 -1.67 7.43	11.86 -1.85 8.54	12.28 -1.43 2.69	15.88 -1.37 -1.49
BROWNSV1_27_KV_LOAD 356125	31.37 0.32 -25.15	31.18 0.45 -21.36	30.52 0.44 -20.47	29.85 0.44 -19.56	30.39 0.47 -19.02	33.77 0.62 -19.33	41.97 1.29 -15.83	51.27 1.59 -23.13	46.22 1.69 -18.48	40.70 1.65 -14.72	38.43 1.36 -15.76	36.98 1.36 -14.03	37.13 1.18 -17.50	37.68 1.26 -16.77	38.62 1.03 -21.52	42.51 1.22 -22.14	53.73 1.17 -33.96	67.62 1.52 -43.74	63.38 1.52 -38.42	55.23 1.41 -31.42	49.70 1.26 -27.81	44.07 1.40 -20.43	40.31 1.03 -22.89	38.85 0.85 -22.23
BURROWS___LYONSDAL 23803	7.83 -0.06 -1.99	10.98 -0.08 -1.69	11.14 -0.10 -1.62	11.31 -0.09 -1.55	12.34 -0.07 -1.51	15.33 -0.03 -1.53	26.25 0.15 -1.26	28.68 0.29 -1.83	27.62 0.10 -1.47	25.38 0.00 -1.05	24.00 -0.04 -2.74	24.39 -0.06 -2.86	21.85 -0.09 -3.49	19.05 -0.14 0.46	15.52 -0.10 0.45	18.37 -0.10 0.67	18.80 0.00 -0.20	22.87 0.07 -0.43	26.98 0.12 -3.43	22.06 0.07 0.41	20.19 0.02 0.46	21.04 -0.07 1.14	16.85 -0.07 -0.52	17.19 -0.16 -1.58
CAITHNESS_CC_1 323624	32.20 0.59 -25.71	31.50 0.78 -21.36	30.83 0.75 -20.47	30.06 0.64 -19.56	30.66 0.74 -19.02	34.28 1.13 -19.33	43.24 2.44 -15.96	52.26 2.63 -23.08	47.30 2.81 -18.44	42.01 2.75 -14.93	39.80 2.24 -16.26	38.35 2.18 -14.58	38.37 1.86 -18.05	39.11 2.04 -17.43	41.47 1.78 -23.62	51.86 2.12 -30.60	84.80 2.08 -64.12	88.30 2.64 -63.30	86.59 2.69 -60.46	83.62 2.51 -58.71	64.25 2.27 -41.35	54.60 2.45 -29.91	41.51 1.79 -23.33	39.95 1.55 -22.63
CALPINE BETH_PAGE_GT4 24209	33.59 0.45 -27.23	31.33 0.59 -21.37	30.64 0.56 -20.47	29.93 0.51 -19.56	30.47 0.55 -19.02	34.00 0.84 -19.33	42.92 1.76 -16.32	51.60 1.91 -23.13	46.61 2.08 -18.48	41.72 2.00 -15.40	40.38 1.64 -17.43	39.15 1.64 -15.92	39.22 1.40 -19.37	40.18 1.53 -19.00	42.15 1.22 -24.85	51.48 1.45 -30.89	84.03 1.40 -64.03	87.33 1.77 -63.20	85.60 1.80 -60.36	82.71 1.68 -58.63	63.43 1.53 -41.28	54.42 1.69 -30.48	41.99 1.31 -24.28	40.50 1.20 -23.53
CALPINE_BETH_PAGE_GT_4 323586	33.59 0.45 -27.23	31.33 0.59 -21.37	30.64 0.56 -20.47	29.89 0.47 -19.56	30.47 0.54 -19.02	34.00 0.84 -19.33	42.92 1.76 -16.32	51.54 1.91 -23.08	46.57 2.08 -18.44	41.81 2.04 -15.43	40.44 1.66 -17.47	39.21 1.66 -15.95	39.28 1.42 -19.41	40.22 1.53 -19.04	42.30 1.32 -24.91	51.61 1.53 -30.94	84.19 1.47 -64.12	87.53 1.86 -63.31	85.79 1.90 -60.46	82.88 1.77 -58.71	63.61 1.63 -41.35	54.56 1.78 -30.53	42.05 1.31 -24.34	40.56 1.20 -23.59
CALPINE_BP_GT1 23823	33.59 0.45 -27.23	31.33 0.59 -21.37	30.64 0.56 -20.47	29.89 0.47 -19.56	30.47 0.54 -19.02	34.00 0.84 -19.33	42.92 1.76 -16.32	51.54 1.91 -23.08	46.57 2.08 -18.44	41.81 2.04 -15.43	40.44 1.66 -17.47	39.21 1.66 -15.95	39.28 1.42 -19.41	40.22 1.53 -19.04	42.30 1.32 -24.91	51.61 1.53 -30.94	84.19 1.47 -64.12	87.53 1.86 -63.31	85.79 1.90 -60.46	82.88 1.77 -58.71	63.61 1.63 -41.35	54.56 1.78 -30.53	42.05 1.31 -24.34	40.56 1.20 -23.59
CALSPAN___DRP 24200	12.82 0.10 -6.82	15.33 0.17 -5.79	15.31 0.15 -5.55	15.30 0.14 -5.31	16.11 0.05 -5.16	19.05 -0.01 -5.24	28.77 -0.37 -4.30	32.08 -0.74 -6.27	30.41 -0.65 -5.01	27.39 -0.51 -3.57	24.79 -0.34 -3.82	24.61 -0.39 -3.40	22.27 -0.42 -4.24	23.32 -0.39 -4.07	20.92 -0.37 -5.22	24.08 -0.42 -5.37	26.41 -0.43 -8.23	32.27 -0.69 -10.60	32.10 -0.66 -9.32	29.46 -0.56 -7.62	26.90 -0.47 -6.74	26.77 -0.42 -4.95	21.73 -0.21 -5.55	21.32 0.16 -5.39
CALVERTON___SOLAR 323806	32.24 0.63 -25.71	31.57 0.84 -21.36	30.90 0.83 -20.47	30.13 0.71 -19.56	30.74 0.82 -19.02	34.38 1.23 -19.33	43.44 2.63 -15.96	52.47 2.84 -23.08	47.48 2.99 -18.44	42.18 2.92 -14.93	39.96 2.39 -16.26	38.51 2.33 -14.58	38.48 1.98 -18.06	39.25 2.18 -17.43	41.59 1.90 -23.62	52.01 2.28 -30.60	84.99 2.27 -64.12	88.53 2.86 -63.30	86.82 2.93 -60.46	83.84 2.73 -58.71	64.45 2.47 -41.35	54.80 2.65 -29.91	41.66 1.93 -23.33	40.07 1.67 -22.63
CANDIGU_WT_PWR 323617	14.31 0.08 -8.33	16.59 0.15 -7.07	16.55 0.16 -6.78	16.49 0.16 -6.48	17.32 0.12 -6.30	20.32 0.10 -6.40	30.06 -0.02 -5.25	33.31 -0.13 -6.89	31.43 -0.13 -5.51	28.54 -0.10 -4.31	25.86 -0.06 -4.61	25.59 -0.11 -4.11	23.37 -0.20 -5.12	24.40 -0.16 -4.91	22.21 -0.16 -6.30	25.47 -0.15 -6.48	28.41 -0.13 -9.94	34.97 -0.20 -12.80	34.52 -0.16 -11.25	31.47 -0.13 -9.20	28.69 -0.08 -8.14	28.18 -0.04 -5.98	23.11 0.02 -6.70	22.50 0.22 -6.51

CARR STREET_E_SYR 24060	10.77 0.01 -4.86	13.52 0.03 -4.13	13.58 0.02 -3.95	13.64 0.01 -3.78	14.57 0.00 -3.67	17.56 0.00 -3.73	27.85 -0.05 -3.06	30.54 -0.03 -4.01	29.25 0.00 -3.21	26.91 0.05 -2.53	24.04 0.06 -2.67	23.84 0.09 -2.16	21.32 0.06 -2.81	22.27 0.08 -2.54	19.53 0.06 -3.39	22.68 0.08 -3.46	24.17 0.07 -5.49	29.56 0.09 -7.11	30.11 0.07 -6.60	27.49 0.09 -4.99	25.10 0.06 -4.41	25.40 0.04 -3.11	20.21 0.05 -3.76	19.67 0.08 -3.82
CARTHAGE___PAPER 23857	8.45 -0.22 -2.78	11.36 -0.37 -2.36	11.48 -0.38 -2.26	11.64 -0.37 -2.16	12.64 -0.36 -2.10	15.58 -0.37 -2.13	26.22 -0.37 -1.75	28.60 -0.24 -2.29	27.28 -0.60 -1.83	25.04 -0.73 -1.44	24.88 -0.72 -4.30	25.39 -0.76 -4.55	23.31 -0.70 -5.56	17.63 -0.82 1.19	14.16 -0.63 1.28	16.75 -0.71 1.68	17.59 -0.54 0.47	21.55 -0.51 0.30	27.96 -0.42 -4.94	20.47 -0.47 1.46	18.71 -0.47 1.45	19.16 -0.65 2.44	16.22 -0.53 -0.35	17.33 -0.62 -2.18
CASSADAGA_WT_PWR 323784	13.01 0.08 -7.04	15.45 0.10 -5.97	15.40 0.07 -5.73	15.37 0.05 -5.47	16.11 -0.11 -5.32	19.02 -0.21 -5.41	28.63 -0.65 -4.43	31.45 -0.88 -5.77	29.70 -0.96 -4.61	27.10 -0.85 -3.62	24.50 -0.68 -3.87	24.27 -0.78 -3.45	21.92 -0.83 -4.30	22.92 -0.84 -4.12	20.62 -0.74 -5.29	23.72 -0.86 -5.44	26.19 -0.76 -8.35	32.07 -1.05 -10.75	31.92 -0.96 -9.45	29.34 -0.78 -7.72	26.83 -0.64 -6.84	26.69 -0.58 -5.02	21.64 -0.38 -5.63	21.17 -0.06 -5.46
CE_DUNWOOD___DRP 24194	31.28 0.28 -25.11	31.08 0.39 -21.32	30.41 0.37 -20.43	29.76 0.38 -19.53	30.29 0.40 -18.98	33.67 0.55 -19.29	41.77 1.12 -15.81	50.97 1.33 -23.09	45.93 1.43 -18.45	40.38 1.36 -14.69	38.19 1.15 -15.73	36.74 1.14 -14.00	36.91 1.00 -17.46	37.45 1.06 -16.74	38.41 0.87 -21.48	42.29 1.05 -22.10	53.48 0.99 -33.89	67.29 1.27 -43.65	63.08 1.29 -38.35	54.95 1.19 -31.36	49.48 1.09 -27.76	43.84 1.20 -20.39	40.11 0.87 -22.85	38.68 0.73 -22.18
CE_MILLWOOD___DRP 24193	31.19 0.27 -25.02	30.99 0.37 -21.25	30.34 0.37 -20.36	29.68 0.36 -19.46	30.21 0.39 -18.92	33.59 0.54 -19.23	41.69 1.09 -15.76	50.84 1.27 -23.01	45.81 1.38 -18.39	40.28 1.31 -14.63	38.09 1.11 -15.68	36.65 1.10 -13.95	36.79 0.94 -17.40	37.35 1.02 -16.68	38.30 0.84 -21.40	42.15 1.00 -22.02	53.32 0.95 -33.77	67.09 1.23 -43.50	62.89 1.24 -38.21	54.79 1.14 -31.24	49.34 1.05 -27.66	43.74 1.18 -20.32	40.01 0.85 -22.76	38.57 0.69 -22.10
CE_NYC2_DRP 24202	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.77 1.09 -15.84	51.09 1.41 -23.13	46.04 1.51 -18.48	40.53 1.48 -14.72	38.28 1.21 -15.76	36.81 1.19 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.35 1.07 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.51 1.07 -27.81	43.85 1.18 -20.43	40.20 0.92 -22.89	38.77 0.77 -22.23
CE_NYC_DRP 24195	31.32 0.28 -25.15	31.11 0.38 -21.36	30.45 0.37 -20.47	29.79 0.37 -19.56	30.32 0.40 -19.02	33.69 0.54 -19.33	41.80 1.12 -15.83	51.06 1.38 -23.13	46.04 1.51 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	37.00 1.05 -17.50	37.54 1.12 -16.77	38.50 0.92 -21.52	42.37 1.09 -22.14	53.56 1.00 -33.96	67.42 1.32 -43.74	63.17 1.31 -38.42	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.18 0.90 -22.89	38.74 0.74 -22.23
CHAFFEE___LFGE 323603	12.93 0.10 -6.93	15.43 0.17 -5.89	15.41 0.15 -5.64	15.39 0.15 -5.39	16.21 0.07 -5.24	19.15 0.00 -5.33	28.91 -0.30 -4.37	31.60 -0.64 -5.69	30.02 -0.57 -4.55	27.43 -0.46 -3.57	24.83 -0.30 -3.82	24.67 -0.32 -3.40	22.32 -0.37 -4.24	23.38 -0.33 -4.06	20.96 -0.32 -5.21	24.14 -0.36 -5.36	26.47 -0.35 -8.23	32.36 -0.60 -10.60	32.18 -0.56 -9.31	29.52 -0.49 -7.61	26.95 -0.41 -6.74	26.84 -0.36 -4.95	21.76 -0.18 -5.55	21.33 0.17 -5.38
CHATEAUG_35_KV_LOAD 355732	6.18 -0.78 -1.06	8.85 -1.42 -0.90	9.11 -1.36 -0.86	9.40 -1.28 -0.82	10.49 -1.21 -0.80	13.31 -1.33 -0.82	23.30 -2.21 -0.67	25.51 -2.02 -0.98	23.67 -3.15 -0.78	21.48 -3.41 -0.56	9.98 -3.26 8.06	-4.91 -3.30 23.20	-4.90 -2.77 20.59	-0.35 -3.16 16.83	0.56 -2.60 12.91	1.32 -3.10 14.72	1.51 -3.01 14.08	1.93 -3.53 16.90	18.86 -3.54 1.04	1.60 -3.65 17.15	1.56 -3.26 15.81	1.43 -3.60 17.21	6.87 -2.74 6.79	14.12 -2.49 -0.84
CHATEAUG_WT_PWR 323614	6.15 -0.78 -1.03	8.82 -1.42 -0.87	9.07 -1.37 -0.83	9.35 -1.30 -0.80	10.47 -1.21 -0.78	13.28 -1.33 -0.79	23.28 -2.21 -0.65	25.37 -2.02 -0.84	23.62 -3.10 -0.67	21.48 -3.38 -0.53	11.30 -3.26 6.75	-2.62 -3.32 20.89	-2.56 -2.79 18.23	-0.28 -3.18 16.74	0.24 -2.62 13.21	0.96 -3.12 15.06	1.13 -3.03 14.44	1.47 -3.56 17.33	19.27 -3.56 0.60	1.16 -3.67 17.56	1.14 -3.30 16.19	1.00 -3.65 17.59	6.66 -2.75 6.98	14.08 -2.49 -0.80
CHAT_HIGH_FALL_HYD 323578	6.18 -0.78 -1.06	8.85 -1.42 -0.90	9.11 -1.36 -0.86	9.40 -1.28 -0.82	10.49 -1.21 -0.80	13.31 -1.33 -0.82	23.30 -2.21 -0.67	25.40 -2.02 -0.87	23.59 -3.15 -0.70	21.47 -3.41 -0.55	9.98 -3.26 8.07	-4.91 -3.30 23.20	-4.91 -2.77 20.60	-0.36 -3.16 16.84	0.55 -2.60 12.92	1.30 -3.10 14.73	1.49 -3.01 14.10	1.91 -3.53 16.92	18.84 -3.54 1.06	1.58 -3.65 17.17	1.54 -3.26 15.83	1.42 -3.60 17.22	6.85 -2.74 6.80	14.11 -2.49 -0.83
CHAUTAUQUA___LFGE 323629	13.01 0.13 -6.98	15.50 0.21 -5.93	15.48 0.19 -5.68	15.47 0.19 -5.43	16.27 0.09 -5.28	19.21 0.03 -5.36	28.99 -0.25 -4.39	31.72 -0.56 -5.73	30.10 -0.52 -4.58	27.51 -0.41 -3.59	24.87 -0.28 -3.84	24.69 -0.32 -3.42	22.33 -0.39 -4.27	23.36 -0.37 -4.09	20.96 -0.35 -5.25	24.13 -0.40 -5.40	26.51 -0.37 -8.28	32.40 -0.63 -10.67	32.24 -0.56 -9.37	29.62 -0.45 -7.66	27.06 -0.35 -6.78	26.94 -0.29 -4.98	21.86 -0.11 -5.58	21.39 0.20 -5.42
CHERRYST_13_KV_LD 356241	31.34 0.29 -25.15	31.14 0.41 -21.36	30.48 0.40 -20.47	29.82 0.40 -19.56	30.34 0.43 -19.02	33.72 0.57 -19.33	41.87 1.19 -15.83	51.14 1.46 -23.13	46.11 1.59 -18.48	40.60 1.56 -14.72	38.35 1.28 -15.76	36.90 1.27 -14.03	37.06 1.11 -17.50	37.60 1.18 -16.77	38.55 0.96 -21.52	42.43 1.15 -22.14	53.64 1.08 -33.96	67.51 1.41 -43.74	63.24 1.38 -38.42	55.09 1.28 -31.42	49.59 1.16 -27.81	43.94 1.27 -20.43	40.23 0.95 -22.89	38.77 0.77 -22.23
CHESTROR_138KV_BK263 355645	29.70 0.22 -23.58	29.72 0.33 -20.02	29.11 0.32 -19.19	28.51 0.32 -18.34	29.07 0.34 -17.83	32.40 0.46 -18.12	40.58 0.89 -14.85	49.30 1.06 -21.69	44.49 1.12 -17.33	39.08 1.05 -13.70	36.85 0.87 -14.68	35.52 0.86 -13.06	35.50 0.76 -16.29	36.09 0.83 -15.62	36.78 0.67 -20.03	40.56 0.80 -20.62	50.98 0.76 -31.61	64.09 1.01 -40.72	60.24 1.03 -35.77	52.61 0.96 -29.25	47.39 0.87 -25.89	42.24 0.98 -19.02	38.41 0.70 -21.31	37.05 0.58 -20.69
CH_MIDHUDSON___DRP 24192	31.91 0.26 -25.75	31.62 0.38 -21.87	30.94 0.37 -20.95	30.25 0.37 -20.03	30.77 0.40 -19.47	34.16 0.55 -19.79	42.15 1.09 -16.21	51.45 1.22 -23.68	46.27 1.30 -18.92	40.64 1.22 -15.09	38.49 1.02 -16.16	37.00 1.01 -14.39	37.30 0.90 -17.94	37.81 0.96 -17.20	38.92 0.79 -22.07	42.80 0.96 -22.71	54.36 0.93 -34.82	68.40 1.19 -44.85	64.06 1.22 -39.40	55.76 1.14 -32.22	50.20 1.05 -28.52	44.35 1.16 -20.95	40.67 0.80 -23.47	39.26 0.69 -22.79

CH_MISC_IPPS 23765	31.49 0.29 -25.30	31.29 0.43 -21.48	30.61 0.41 -20.59	29.93 0.40 -19.68	30.48 0.45 -19.13	33.87 0.61 -19.44	41.99 1.22 -15.93	51.14 1.38 -23.21	46.02 1.43 -18.55	40.51 1.34 -14.84	38.31 1.11 -15.90	36.84 1.10 -14.15	37.09 1.00 -17.65	37.62 1.06 -16.92	38.64 0.87 -21.70	42.52 1.05 -22.33	53.89 1.04 -34.24	67.84 1.36 -44.11	63.59 1.41 -38.75	55.38 1.30 -31.68	49.87 1.20 -28.05	44.16 1.31 -20.60	40.38 0.90 -23.08	38.96 0.77 -22.41
CH_RES_BVR_FALLS 23983	6.13 -0.47 -0.69	9.16 -0.80 -0.59	9.41 -0.76 -0.57	9.67 -0.72 -0.54	10.72 -0.71 -0.53	13.51 -0.84 -0.53	23.79 -1.49 -0.44	25.69 -1.43 -0.57	24.60 -1.90 -0.45	22.76 -1.92 -0.36	15.61 -1.79 3.91	2.90 -1.79 16.90	3.14 -1.53 13.78	-0.77 -1.69 18.73	-1.26 -1.37 15.97	-0.67 -1.65 18.16	-0.64 -1.60 17.64	-0.77 -1.90 21.23	21.67 -1.95 -0.18	-0.80 -1.93 21.28	-0.72 -1.75 19.59	-0.78 -1.91 21.11	6.32 -1.43 8.64	14.98 -1.32 -0.54
CH_RES_NIAGARA 23895	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.90 -0.03 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.92 -1.04 -4.11	30.31 -1.59 -5.35	28.81 -1.51 -4.27	26.37 -1.31 -3.36	23.88 -1.02 -3.59	23.78 -1.01 -3.20	21.50 -0.94 -3.99	22.51 -0.96 -3.83	20.16 -0.82 -4.91	23.19 -1.00 -5.05	25.34 -1.00 -7.74	30.88 -1.45 -9.97	30.75 -1.45 -8.76	28.27 -1.30 -7.16	25.82 -1.15 -6.34	25.77 -1.13 -4.66	20.92 -0.69 -5.22	20.59 -0.25 -5.07
CH_RES_SYRACUSE 23985	11.10 0.04 -5.16	13.82 0.07 -4.38	13.87 0.07 -4.20	13.92 0.06 -4.01	14.87 0.07 -3.90	17.87 0.08 -3.96	28.22 0.12 -3.25	30.99 0.16 -4.28	29.65 0.18 -3.42	27.24 0.22 -2.69	24.36 0.21 -2.85	24.17 0.24 -2.34	21.66 0.18 -3.03	22.64 0.24 -2.76	19.91 0.18 -3.66	23.11 0.23 -3.74	24.73 0.22 -5.90	30.26 0.27 -7.63	30.72 0.26 -7.03	28.05 0.27 -5.38	25.61 0.23 -4.75	25.84 0.22 -3.38	20.59 0.16 -4.03	20.03 0.19 -4.07
CLINTON_WT_PWR 323605	6.15 -0.78 -1.03	8.82 -1.42 -0.87	9.07 -1.37 -0.83	9.35 -1.30 -0.80	10.47 -1.21 -0.78	13.28 -1.33 -0.79	23.28 -2.21 -0.65	25.37 -2.02 -0.84	23.62 -3.10 -0.67	21.48 -3.38 -0.53	11.30 -3.26 6.75	-2.62 -3.32 20.89	-2.56 -2.79 18.23	-0.28 -3.18 16.74	0.24 -2.62 13.21	0.96 -3.12 15.06	1.13 -3.03 14.44	1.47 -3.56 17.33	19.27 -3.56 0.60	1.16 -3.67 17.56	1.14 -3.30 16.19	1.00 -3.65 17.59	6.66 -2.75 6.98	14.08 -2.49 -0.80
CLINTON__LFGE 323618	6.21 -0.72 -1.03	8.92 -1.33 -0.88	9.17 -1.28 -0.84	9.46 -1.19 -0.80	10.59 -1.09 -0.78	13.46 -1.16 -0.80	23.61 -1.89 -0.65	25.78 -1.62 -0.85	23.89 -2.84 -0.68	21.75 -3.11 -0.53	11.21 -3.00 7.09	-2.82 -2.92 21.50	-2.85 -2.45 18.85	0.01 -2.87 16.77	0.51 -2.43 13.14	1.27 -2.89 14.98	1.46 -2.79 14.35	1.85 -3.29 17.23	19.48 -3.23 0.72	1.52 -3.43 17.46	1.50 -3.03 16.10	1.35 -3.40 17.50	6.87 -2.59 6.93	14.24 -2.33 -0.81
COBBLENY_34_KV_TB1 80064	12.94 0.10 -6.93	15.43 0.17 -5.89	15.41 0.15 -5.64	15.38 0.14 -5.39	16.21 0.07 -5.24	19.15 0.00 -5.33	28.91 -0.30 -4.37	32.29 -0.64 -6.38	30.57 -0.57 -5.10	27.55 -0.41 -3.63	24.92 -0.28 -3.89	24.73 -0.32 -3.46	22.40 -0.37 -4.31	23.45 -0.33 -4.14	21.07 -0.31 -5.31	24.25 -0.34 -5.46	26.62 -0.35 -8.37	32.57 -0.58 -10.78	32.37 -0.54 -9.47	29.68 -0.47 -7.75	27.09 -0.39 -6.86	26.95 -0.33 -5.04	21.86 -0.18 -5.64	21.42 0.17 -5.48
COFFEEN__115KV_TB3 355620	8.89 -0.12 -3.11	11.83 -0.18 -2.64	11.93 -0.21 -2.53	12.07 -0.21 -2.42	13.08 -0.17 -2.35	16.06 -0.15 -2.39	26.88 0.07 -1.96	29.65 0.24 -2.86	28.23 -0.10 -2.29	25.67 -0.29 -1.63	25.01 -0.34 -4.05	25.43 -0.37 -4.20	23.22 -0.37 -5.14	18.70 -0.45 0.49	15.32 -0.32 0.43	18.09 -0.31 0.74	19.10 -0.11 -0.61	23.46 0.04 -1.05	28.85 0.16 -5.25	22.24 0.11 0.28	20.27 0.02 0.38	20.69 -0.13 1.42	17.22 -0.15 -0.97	17.94 -0.30 -2.47
COLDSPRG_115KV_BK1 355956	13.18 0.15 -7.12	15.66 0.24 -6.05	15.63 0.22 -5.80	15.59 0.20 -5.54	16.41 0.12 -5.39	19.38 0.08 -5.47	29.28 -0.05 -4.49	32.89 -0.21 -6.55	31.02 -0.26 -5.23	27.89 -0.17 -3.73	25.24 -0.06 -3.99	25.00 -0.15 -3.56	22.61 -0.28 -4.43	23.62 -0.28 -4.25	21.25 -0.27 -5.45	24.44 -0.31 -5.61	26.93 -0.28 -8.61	33.00 -0.45 -11.08	32.80 -0.37 -9.74	30.07 -0.29 -7.96	27.47 -0.21 -7.05	27.31 -0.11 -5.18	22.16 -0.03 -5.80	21.65 0.25 -5.63
COLONIE_LFGE__ 323577	36.77 0.21 -30.67	35.73 0.32 -26.04	34.89 0.33 -24.96	34.04 0.34 -23.85	34.46 0.37 -23.19	37.90 0.51 -23.57	45.12 0.97 -19.31	56.51 0.95 -29.00	50.21 0.99 -23.17	43.77 0.90 -18.54	41.97 0.81 -19.85	40.11 0.84 -17.67	41.19 0.70 -22.04	41.52 0.75 -21.13	43.78 0.61 -27.10	47.72 0.69 -27.89	62.06 0.69 -42.77	78.24 0.78 -55.09	72.68 0.84 -48.40	62.78 0.81 -39.57	56.40 0.74 -35.03	48.75 0.78 -25.73	45.76 0.54 -28.83	44.32 0.55 -27.99
COOPERNY_115KV_TB1 80082	25.91 0.17 -19.84	26.48 0.26 -16.85	26.00 0.25 -16.14	25.53 0.25 -15.43	26.16 0.26 -15.00	29.41 0.35 -15.25	38.03 0.70 -12.49	45.62 0.82 -18.25	41.51 0.89 -14.58	36.42 0.80 -11.28	34.07 0.68 -12.09	33.02 0.67 -10.76	32.46 0.59 -13.42	33.14 0.63 -12.86	33.08 0.51 -16.50	36.73 0.61 -16.98	45.22 0.58 -26.04	56.64 0.74 -33.54	53.67 0.77 -29.46	47.21 0.72 -24.09	42.61 0.66 -21.32	38.66 0.76 -15.66	34.49 0.54 -17.55	33.25 0.44 -17.04
COPENHAGEN_WT_PWR 323753	8.96 -0.15 -3.20	11.86 -0.22 -2.72	11.97 -0.25 -2.61	12.10 -0.25 -2.49	13.09 -0.23 -2.42	16.05 -0.24 -2.46	26.71 -0.15 -2.02	29.16 -0.03 -2.64	27.87 -0.29 -2.11	25.55 -0.44 -1.66	24.81 -0.45 -3.95	25.20 -0.48 -4.09	22.99 -0.46 -5.00	18.78 -0.53 0.33	15.45 -0.39 0.24	18.19 -0.42 0.53	19.19 -0.26 -0.85	23.52 -0.18 -1.33	28.61 -0.09 -5.27	22.27 -0.11 0.02	20.32 -0.17 0.14	20.74 -0.31 1.19	17.23 -0.26 -1.10	17.90 -0.38 -2.51
CORNELL____ 23752	14.28 0.17 -8.20	16.63 0.29 -6.97	16.57 0.29 -6.68	16.51 0.28 -6.38	17.41 0.31 -6.20	20.53 0.40 -6.31	30.78 0.77 -5.17	35.03 0.93 -7.55	32.99 0.91 -6.03	29.55 0.88 -4.34	26.70 0.75 -4.65	26.49 0.76 -4.14	24.24 0.63 -5.16	25.28 0.69 -4.95	22.98 0.56 -6.35	26.38 0.71 -6.54	29.37 0.74 -10.02	36.21 0.94 -12.91	35.76 0.98 -11.34	32.62 0.94 -9.27	29.68 0.85 -8.21	29.12 0.85 -6.03	23.76 0.61 -6.76	22.93 0.60 -6.56
CORONAAV_69_KV_TB1 355595	40.49 0.45 -34.14	31.39 0.61 -21.41	30.70 0.59 -20.51	29.97 0.55 -19.56	30.51 0.59 -19.02	34.06 0.87 -19.37	44.60 1.84 -17.92	51.68 1.99 -23.13	46.72 2.19 -18.48	44.06 2.07 -17.66	45.94 1.70 -22.93	45.41 1.71 -22.11	45.44 1.48 -25.51	47.57 1.59 -26.33	48.21 1.24 -30.90	53.31 1.47 -32.70	84.08 1.45 -64.03	87.43 1.83 -63.23	85.67 1.87 -60.36	82.78 1.75 -58.63	63.52 1.61 -41.28	57.26 1.71 -33.30	46.61 1.36 -28.85	44.84 1.20 -27.87
CORTLAND_115KV_TB3 80093	13.06 0.11 -7.05	15.55 0.20 -5.98	15.54 0.19 -5.73	15.51 0.18 -5.48	16.43 0.20 -5.33	19.50 0.26 -5.42	29.75 0.47 -4.44	33.59 0.56 -6.48	31.80 0.57 -5.18	28.58 0.54 -3.72	25.74 0.49 -3.95	25.42 0.50 -3.33	23.11 0.41 -4.26	24.05 0.45 -3.95	21.60 0.35 -5.18	24.88 0.44 -5.30	27.36 0.47 -8.29	33.65 0.58 -10.70	33.72 0.59 -9.70	30.58 0.58 -7.60	27.86 0.52 -6.71	27.58 0.51 -4.83	22.43 0.39 -5.64	21.76 0.38 -5.61

COXSACKIE___GT 23611	35.09 0.36 -28.83	34.42 0.57 -24.48	33.63 0.57 -23.46	32.87 0.60 -22.42	33.35 0.65 -21.80	36.81 0.83 -22.15	44.63 1.64 -18.15	55.05 1.41 -27.10	49.02 1.33 -21.65	42.62 0.97 -17.32	40.67 0.81 -18.55	38.86 0.76 -16.51	39.82 0.77 -20.59	40.21 0.82 -19.74	42.10 0.71 -25.32	46.15 0.96 -26.06	59.68 1.12 -39.96	75.45 1.61 -51.47	70.39 1.73 -45.22	60.99 1.61 -36.97	54.84 1.49 -32.73	47.71 1.42 -24.04	44.15 0.82 -26.94	42.70 0.77 -26.16
CPV_VALLEY___CC1 323721	28.30 0.18 -22.21	28.50 0.26 -18.86	27.94 0.25 -18.08	27.38 0.25 -17.28	27.97 0.27 -16.80	31.25 0.36 -17.07	39.55 0.72 -13.99	47.50 0.85 -20.10	43.04 0.94 -16.06	38.06 0.87 -12.86	35.80 0.72 -13.77	34.56 0.71 -12.26	34.37 0.63 -15.29	34.99 0.69 -14.66	35.42 0.55 -18.80	39.15 0.67 -19.35	48.90 0.63 -29.67	61.40 0.83 -38.21	57.85 0.84 -33.57	50.63 0.78 -27.45	45.63 0.70 -24.30	40.89 0.80 -17.85	36.96 0.57 -20.00	35.64 0.46 -19.42
CPV_VALLEY___CC2 323722	28.30 0.18 -22.21	28.50 0.26 -18.86	27.94 0.25 -18.08	27.38 0.25 -17.28	27.97 0.27 -16.80	31.25 0.36 -17.07	39.55 0.72 -13.99	47.50 0.85 -20.10	43.04 0.94 -16.06	38.06 0.87 -12.86	35.80 0.72 -13.77	34.56 0.71 -12.26	34.37 0.63 -15.29	34.99 0.69 -14.66	35.42 0.55 -18.80	39.15 0.67 -19.35	48.90 0.63 -29.67	61.40 0.83 -38.21	57.85 0.84 -33.57	50.63 0.78 -27.45	45.63 0.70 -24.30	40.89 0.80 -17.85	36.96 0.57 -20.00	35.64 0.46 -19.42
CRESCENT___HYD 24018	36.77 0.21 -30.67	35.73 0.32 -26.04	34.89 0.33 -24.96	34.04 0.34 -23.85	34.46 0.37 -23.19	37.90 0.51 -23.57	45.12 0.97 -19.31	56.51 0.95 -29.00	50.21 0.99 -23.17	43.77 0.90 -18.54	41.97 0.81 -19.85	40.11 0.84 -17.67	41.19 0.70 -22.04	41.52 0.75 -21.13	43.78 0.61 -27.10	47.72 0.69 -27.89	62.06 0.69 -42.77	78.24 0.78 -55.09	72.68 0.84 -48.40	62.78 0.81 -39.57	56.40 0.74 -35.03	48.75 0.78 -25.73	45.76 0.54 -28.83	44.32 0.55 -27.99
CRICKET___VALLEY_CC1 323756	32.49 0.22 -26.37	32.07 0.31 -22.39	31.37 0.31 -21.46	30.67 0.31 -20.51	31.18 0.34 -19.94	34.58 0.50 -20.26	42.39 0.94 -16.60	51.87 0.98 -24.33	46.56 1.07 -19.44	40.88 1.00 -15.56	38.84 0.87 -16.66	37.31 0.89 -14.83	37.69 0.74 -18.50	38.16 0.79 -17.73	39.46 0.64 -22.74	43.35 0.80 -23.41	55.26 0.76 -35.89	69.49 0.90 -46.23	64.99 0.94 -40.61	56.51 0.90 -33.21	50.85 0.83 -29.40	44.77 0.93 -21.59	41.23 0.64 -24.19	39.81 0.55 -23.49
CRICKET___VALLEY_CC2 323757	32.49 0.22 -26.37	32.07 0.31 -22.39	31.37 0.31 -21.46	30.67 0.31 -20.51	31.18 0.34 -19.94	34.58 0.50 -20.26	42.39 0.94 -16.60	51.87 0.98 -24.33	46.56 1.07 -19.44	40.88 1.00 -15.56	38.84 0.87 -16.66	37.31 0.89 -14.83	37.69 0.74 -18.50	38.16 0.79 -17.73	39.46 0.64 -22.74	43.35 0.80 -23.41	55.26 0.76 -35.89	69.49 0.90 -46.23	64.99 0.94 -40.61	56.51 0.90 -33.21	50.85 0.83 -29.40	44.77 0.93 -21.59	41.23 0.64 -24.19	39.81 0.55 -23.49
CRICKET___VALLEY_CC3 323758	32.49 0.22 -26.37	32.07 0.31 -22.39	31.37 0.31 -21.46	30.67 0.31 -20.51	31.18 0.34 -19.94	34.58 0.50 -20.26	42.39 0.94 -16.60	51.87 0.98 -24.33	46.56 1.07 -19.44	40.88 1.00 -15.56	38.84 0.87 -16.66	37.31 0.89 -14.83	37.69 0.74 -18.50	38.16 0.79 -17.73	39.46 0.64 -22.74	43.35 0.80 -23.41	55.26 0.76 -35.89	69.49 0.90 -46.23	64.99 0.94 -40.61	56.51 0.90 -33.21	50.85 0.83 -29.40	44.77 0.93 -21.59	41.23 0.64 -24.19	39.81 0.55 -23.49
CRUCIBLE_METL_DRP 24180	11.10 0.04 -5.16	13.82 0.07 -4.38	13.87 0.07 -4.20	13.92 0.06 -4.01	14.87 0.07 -3.90	17.87 0.08 -3.96	28.22 0.12 -3.25	31.46 0.16 -4.74	30.02 0.18 -3.79	27.28 0.22 -2.73	24.41 0.21 -2.89	24.21 0.24 -2.38	21.71 0.18 -3.07	22.68 0.24 -2.80	19.96 0.18 -3.72	23.16 0.23 -3.80	24.82 0.22 -5.99	30.38 0.27 -7.74	30.82 0.26 -7.13	28.13 0.27 -5.46	25.70 0.25 -4.82	25.90 0.22 -3.43	20.65 0.16 -4.09	20.08 0.19 -4.12
DAHOWA___HYDRO 323763	37.35 0.35 -31.10	36.31 0.52 -26.41	35.45 0.53 -25.31	34.57 0.53 -24.19	35.00 0.58 -23.52	38.53 0.80 -23.90	45.94 1.52 -19.58	57.52 1.57 -29.40	51.13 1.59 -23.49	44.54 1.41 -18.80	42.65 1.21 -20.13	40.72 1.21 -17.92	41.85 1.05 -22.35	42.19 1.12 -21.42	44.44 0.88 -27.48	48.24 0.82 -28.28	62.81 0.84 -43.37	79.32 1.10 -55.86	73.64 1.12 -49.07	63.56 1.03 -40.12	57.10 0.95 -35.52	49.27 0.93 -26.09	46.26 0.64 -29.23	45.05 0.90 -28.39
DANC___LFGE 323619	9.48 -0.11 -3.70	12.34 -0.17 -3.14	12.42 -0.19 -3.01	12.53 -0.20 -2.87	13.51 -0.19 -2.79	16.47 -0.19 -2.84	26.97 -0.20 -2.33	29.46 -0.13 -3.04	28.19 -0.29 -2.43	25.88 -0.36 -1.92	24.49 -0.36 -3.55	24.77 -0.37 -3.55	22.46 -0.35 -4.36	19.91 -0.39 -0.65	16.73 -0.31 -0.97	19.60 -0.34 -0.80	20.75 -0.22 -2.37	25.40 -0.18 -3.22	28.94 -0.14 -5.65	23.89 -0.16 -1.64	21.81 -0.19 -1.37	22.24 -0.27 -0.26	18.14 -0.21 -1.96	18.40 -0.27 -2.90
DANSKAMMER___1 23586	31.49 0.29 -25.30	31.29 0.43 -21.48	30.61 0.41 -20.59	29.93 0.40 -19.68	30.48 0.45 -19.13	33.87 0.61 -19.44	41.99 1.22 -15.93	51.14 1.38 -23.21	46.02 1.43 -18.55	40.51 1.34 -14.84	38.31 1.11 -15.90	36.84 1.10 -14.15	37.09 1.00 -17.65	37.62 1.06 -16.92	38.64 0.87 -21.70	42.52 1.05 -22.33	53.89 1.04 -34.24	67.84 1.36 -44.11	63.59 1.41 -38.75	55.38 1.30 -31.68	49.87 1.20 -28.05	44.16 1.31 -20.60	40.38 0.90 -23.08	38.96 0.77 -22.41
DANSKAMMER___2 23589	31.49 0.29 -25.30	31.29 0.43 -21.48	30.61 0.41 -20.59	29.93 0.40 -19.68	30.48 0.45 -19.13	33.87 0.61 -19.44	41.99 1.22 -15.93	51.14 1.38 -23.21	46.02 1.43 -18.55	40.51 1.34 -14.84	38.31 1.11 -15.90	36.84 1.10 -14.15	37.09 1.00 -17.65	37.62 1.06 -16.92	38.64 0.87 -21.70	42.52 1.05 -22.33	53.89 1.04 -34.24	67.84 1.36 -44.11	63.59 1.41 -38.75	55.38 1.30 -31.68	49.87 1.20 -28.05	44.16 1.31 -20.60	40.38 0.90 -23.08	38.96 0.77 -22.41
DANSKAMMER___3 23590	31.49 0.29 -25.30	31.29 0.43 -21.48	30.61 0.41 -20.59	29.93 0.40 -19.68	30.48 0.45 -19.13	33.87 0.61 -19.44	41.99 1.22 -15.93	51.14 1.38 -23.21	46.02 1.43 -18.55	40.51 1.34 -14.84	38.31 1.11 -15.90	36.84 1.10 -14.15	37.09 1.00 -17.65	37.62 1.06 -16.92	38.64 0.87 -21.70	42.52 1.05 -22.33	53.89 1.04 -34.24	67.84 1.36 -44.11	63.59 1.41 -38.75	55.38 1.30 -31.68	49.87 1.20 -28.05	44.16 1.31 -20.60	40.38 0.90 -23.08	38.96 0.77 -22.41
DANSKAMMER___4 23591	31.49 0.29 -25.30	31.29 0.43 -21.48	30.61 0.41 -20.59	29.93 0.40 -19.68	30.48 0.45 -19.13	33.87 0.61 -19.44	41.99 1.22 -15.93	51.14 1.38 -23.21	46.02 1.43 -18.55	40.51 1.34 -14.84	38.31 1.11 -15.90	36.84 1.10 -14.15	37.09 1.00 -17.65	37.62 1.06 -16.92	38.64 0.87 -21.70	42.52 1.05 -22.33	53.89 1.04 -34.24	67.84 1.36 -44.11	63.59 1.41 -38.75	55.38 1.30 -31.68	49.87 1.20 -28.05	44.16 1.31 -20.60	40.38 0.90 -23.08	38.96 0.77 -22.41
DANSKAMMER___DIESEL 23592	31.49 0.29 -25.30	31.29 0.43 -21.48	30.61 0.41 -20.59	29.94 0.41 -19.68	30.48 0.45 -19.13	33.87 0.61 -19.44	41.99 1.22 -15.93	51.20 1.38 -23.27	46.07 1.43 -18.59	40.45 1.31 -14.80	38.27 1.11 -15.86	36.81 1.10 -14.12	37.05 1.00 -17.60	37.58 1.06 -16.88	38.58 0.87 -21.65	42.47 1.05 -22.28	53.79 1.02 -34.16	67.73 1.36 -44.00	63.50 1.41 -38.65	55.31 1.30 -31.60	49.80 1.20 -27.98	44.11 1.31 -20.55	40.32 0.90 -23.03	38.90 0.77 -22.36

DARBY___SOLAR 323810	37.26 0.32 -31.04	36.22 0.49 -26.36	35.36 0.49 -25.26	34.49 0.49 -24.14	34.92 0.54 -23.47	38.42 0.75 -23.85	45.80 1.42 -19.54	57.35 1.46 -29.34	50.98 1.48 -23.44	44.40 1.31 -18.76	42.55 1.15 -20.09	40.64 1.17 -17.88	41.75 1.00 -22.30	42.09 1.06 -21.38	44.33 0.84 -27.43	48.15 0.78 -28.23	62.70 0.82 -43.28	79.14 1.03 -55.75	73.49 1.08 -48.98	63.43 0.98 -40.04	56.98 0.91 -35.45	49.19 0.91 -26.04	46.19 0.62 -29.17	44.93 0.84 -28.33
DASHVILLE___HYD 23610	32.32 0.22 -26.20	31.96 0.34 -22.25	31.25 0.32 -21.32	30.55 0.32 -20.38	31.05 0.34 -19.81	34.40 0.44 -20.14	42.24 0.89 -16.50	51.32 0.66 -24.10	46.03 0.73 -19.25	40.40 0.66 -15.41	38.35 0.53 -16.51	36.81 0.52 -14.70	37.28 0.50 -18.33	37.74 0.53 -17.57	39.06 0.45 -22.54	42.87 0.54 -23.19	54.69 0.52 -35.56	68.89 0.72 -45.81	64.43 0.75 -40.24	56.00 0.69 -32.90	50.37 0.62 -29.13	44.35 0.71 -21.40	40.84 0.48 -23.97	39.39 0.35 -23.28
DEERFIELD_69_KV_DEERFIELD LD 355887	32.37 0.76 -25.71	31.76 1.03 -21.36	31.08 1.01 -20.47	30.36 0.95 -19.56	30.94 1.01 -19.02	34.64 1.49 -19.33	43.94 3.13 -15.96	53.06 3.37 -23.13	48.07 3.54 -18.48	42.56 3.33 -14.90	40.30 2.77 -16.23	38.89 2.74 -14.55	38.79 2.32 -18.01	39.59 2.55 -17.39	41.76 2.12 -23.57	52.26 2.58 -30.54	85.24 2.60 -64.03	88.87 3.31 -63.19	87.20 3.40 -60.36	84.19 3.16 -58.63	64.78 2.87 -41.28	55.09 2.98 -29.86	41.93 2.26 -23.28	40.34 1.99 -22.58
DELAWARE___LFGE 323621	19.24 0.19 -13.14	20.87 0.34 -11.16	20.63 0.33 -10.69	20.40 0.33 -10.22	21.20 0.36 -9.94	24.34 0.41 -10.10	33.99 0.87 -8.27	39.59 0.96 -12.09	36.69 0.99 -9.66	33.41 2.19 -6.89	30.56 1.87 -7.38	30.06 1.90 -6.57	28.23 1.59 -8.19	29.19 1.69 -7.85	27.54 1.40 -10.07	31.17 1.66 -10.37	36.21 1.71 -15.89	44.96 2.12 -20.47	43.65 2.23 -17.98	39.24 2.13 -14.70	35.52 1.88 -13.02	33.72 1.91 -9.56	28.53 1.43 -10.71	27.40 1.23 -10.40
DERFIELD_115KV_TB7 355931	6.66 -0.04 -0.80	9.99 -0.06 -0.68	10.20 -0.06 -0.65	10.42 -0.05 -0.62	11.46 -0.04 -0.60	14.38 -0.06 -0.61	25.27 -0.07 -0.50	27.21 -0.08 -0.73	26.53 -0.10 -0.59	24.63 -0.12 -0.42	21.63 -0.13 -0.45	21.86 -0.13 -0.40	18.84 -0.11 -0.50	19.98 -0.14 -0.48	16.57 -0.11 -0.61	19.63 -0.13 -0.63	19.45 -0.11 -0.96	23.47 -0.13 -1.24	24.39 -0.14 -1.09	23.16 -0.13 -0.89	21.29 -0.12 -0.79	22.69 -0.13 -0.58	16.94 -0.10 -0.65	16.29 -0.11 -0.63
DOGLEVILLE___HYD 23807	6.76 0.06 -0.80	10.17 0.12 -0.68	10.42 0.16 -0.65	10.67 0.20 -0.62	11.74 0.24 -0.60	14.74 0.30 -0.61	25.87 0.52 -0.50	27.66 0.45 -0.65	26.83 0.26 -0.52	24.91 0.17 -0.41	21.85 0.11 -0.44	22.07 0.09 -0.39	18.98 0.04 -0.49	20.13 0.02 -0.47	16.70 0.03 -0.60	19.79 0.04 -0.62	19.64 0.09 -0.95	23.74 0.16 -1.22	24.70 0.19 -1.07	23.44 0.16 -0.88	21.53 0.12 -0.78	22.97 0.16 -0.57	17.16 0.13 -0.64	16.49 0.10 -0.62
DUNKIRK___115KV_TB_200 55889	13.01 0.14 -6.97	15.51 0.22 -5.92	15.49 0.20 -5.68	15.46 0.19 -5.42	16.28 0.11 -5.27	19.22 0.04 -5.36	29.01 -0.22 -4.39	32.44 -0.53 -6.41	30.68 -0.49 -5.12	27.62 -0.36 -3.65	24.98 -0.23 -3.91	24.79 -0.28 -3.48	22.44 -0.35 -4.34	23.47 -0.33 -4.16	21.10 -0.31 -5.34	24.27 -0.36 -5.49	26.69 -0.33 -8.42	32.65 -0.56 -10.85	32.45 -0.52 -9.53	29.77 -0.43 -7.79	27.20 -0.33 -6.90	27.07 -0.24 -5.07	21.97 -0.10 -5.68	21.50 0.22 -5.51
DUNKIRK___1 23563	13.01 0.14 -6.97	15.51 0.22 -5.92	15.49 0.20 -5.68	15.46 0.19 -5.42	16.28 0.11 -5.27	19.22 0.04 -5.36	29.01 -0.22 -4.39	32.44 -0.53 -6.41	30.68 -0.49 -5.12	27.62 -0.36 -3.65	24.98 -0.23 -3.91	24.79 -0.28 -3.48	22.44 -0.35 -4.34	23.47 -0.33 -4.16	21.10 -0.31 -5.34	24.27 -0.36 -5.49	26.69 -0.33 -8.42	32.65 -0.56 -10.85	32.45 -0.52 -9.53	29.77 -0.43 -7.79	27.20 -0.33 -6.90	27.07 -0.24 -5.07	21.97 -0.10 -5.68	21.50 0.22 -5.51
DUNKIRK___2 23564	13.01 0.14 -6.97	15.51 0.22 -5.92	15.49 0.20 -5.68	15.46 0.19 -5.42	16.28 0.11 -5.27	19.22 0.04 -5.36	29.01 -0.22 -4.39	32.44 -0.53 -6.41	30.68 -0.49 -5.12	27.62 -0.36 -3.65	24.98 -0.23 -3.91	24.79 -0.28 -3.48	22.44 -0.35 -4.34	23.47 -0.33 -4.16	21.10 -0.31 -5.34	24.27 -0.36 -5.49	26.69 -0.33 -8.42	32.65 -0.56 -10.85	32.45 -0.52 -9.53	29.77 -0.43 -7.79	27.20 -0.33 -6.90	27.07 -0.24 -5.07	21.97 -0.10 -5.68	21.50 0.22 -5.51
DUNKIRK___3 23565	13.01 0.12 -6.99	15.50 0.20 -5.94	15.48 0.18 -5.69	15.46 0.17 -5.44	16.27 0.09 -5.28	19.21 0.01 -5.37	28.97 -0.27 -4.40	32.37 -0.61 -6.43	30.64 -0.55 -5.14	27.55 -0.44 -3.66	24.95 -0.28 -3.92	24.73 -0.35 -3.49	22.41 -0.39 -4.35	23.44 -0.37 -4.17	21.08 -0.34 -5.35	24.24 -0.40 -5.50	26.63 -0.41 -8.44	32.61 -0.63 -10.87	32.40 -0.59 -9.55	29.72 -0.49 -7.81	27.13 -0.41 -6.91	27.01 -0.31 -5.08	21.93 -0.15 -5.69	21.48 0.19 -5.52
DUNKIRK___4 23566	12.92 0.12 -6.90	15.42 0.20 -5.86	15.40 0.18 -5.61	15.38 0.17 -5.36	16.19 0.08 -5.21	19.14 0.01 -5.30	28.91 -0.27 -4.34	32.28 -0.61 -6.34	30.54 -0.57 -5.07	27.50 -0.44 -3.61	24.87 -0.30 -3.86	24.69 -0.35 -3.44	22.35 -0.39 -4.29	23.38 -0.37 -4.11	21.01 -0.34 -5.27	24.16 -0.40 -5.43	26.54 -0.39 -8.32	32.46 -0.63 -10.72	32.27 -0.59 -9.42	29.61 -0.49 -7.70	27.05 -0.39 -6.82	26.94 -0.31 -5.01	21.86 -0.15 -5.61	21.41 0.19 -5.45
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	31.33 0.28 -25.15	31.13 0.40 -21.36	30.46 0.38 -20.47	29.81 0.39 -19.56	30.33 0.41 -19.02	33.72 0.57 -19.33	41.85 1.17 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.46 1.41 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.98 1.03 -17.50	37.52 1.10 -16.78	38.49 0.90 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.44 1.34 -43.74	63.20 1.34 -38.42	55.05 1.23 -31.42	49.57 1.13 -27.81	43.92 1.25 -20.43	40.18 0.90 -22.89	38.75 0.76 -22.23
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	30.77 0.25 -24.61	30.64 0.37 -20.90	29.99 0.36 -20.03	29.35 0.35 -19.14	29.89 0.38 -18.61	33.25 0.51 -18.91	41.36 1.02 -15.50	50.36 1.17 -22.64	45.38 1.25 -18.09	39.84 1.14 -14.36	37.65 0.96 -15.38	36.24 0.95 -13.69	36.38 0.85 -17.08	36.94 0.92 -16.37	37.82 0.76 -21.00	41.65 0.90 -21.61	52.61 0.87 -33.14	66.19 1.14 -42.68	62.11 1.17 -37.50	54.14 1.08 -30.66	48.76 0.99 -27.14	43.29 1.11 -19.94	39.50 0.77 -22.34	38.12 0.66 -21.69
E179THST_138_KV_TB4_REV_LBMP_J 345001	31.38 0.33 -25.15	31.18 0.45 -21.36	30.50 0.42 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.65 0.50 -19.33	41.62 0.94 -15.84	50.93 1.25 -23.13	45.91 1.38 -18.48	40.41 1.36 -14.72	38.18 1.11 -15.76	36.70 1.08 -14.03	36.87 0.92 -17.50	37.42 1.00 -16.78	38.41 0.82 -21.52	42.24 0.96 -22.15	53.47 0.91 -33.96	67.31 1.21 -43.74	63.06 1.20 -38.43	54.92 1.10 -31.42	49.41 0.97 -27.81	43.74 1.07 -20.43	40.12 0.84 -22.89	38.77 0.77 -22.23
E179THST_13_KV_LOAD 356214	31.40 0.35 -25.15	31.21 0.49 -21.36	30.54 0.46 -20.47	29.91 0.49 -19.56	30.44 0.52 -19.02	33.70 0.55 -19.33	41.72 1.04 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.51 1.07 -27.81	43.85 1.18 -20.43	40.20 0.92 -22.89	38.83 0.84 -22.23

EAST HAMPTON___GT 23717	32.44 0.83 -25.71	31.87 1.14 -21.36	31.20 1.12 -20.47	30.42 1.01 -19.56	31.05 1.13 -19.02	34.79 1.64 -19.33	44.24 3.43 -15.96	53.32 3.69 -23.08	48.37 3.88 -18.44	43.01 3.75 -14.93	40.64 3.07 -16.26	39.18 3.00 -14.59	39.04 2.53 -18.06	39.89 2.81 -17.43	42.12 2.43 -23.62	52.70 2.97 -30.60	85.71 3.00 -64.12	89.45 3.78 -63.30	87.76 3.87 -60.46	84.72 3.61 -58.71	65.24 3.26 -41.35	55.61 3.45 -29.91	42.19 2.46 -23.33	40.58 2.18 -22.63
EAST RIVER___6 23660	31.32 0.27 -25.15	31.10 0.38 -21.36	30.44 0.37 -20.47	29.77 0.35 -19.56	30.31 0.39 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.99 1.51 -18.43	40.57 1.48 -14.75	38.34 1.24 -15.80	36.87 1.21 -14.07	37.06 1.07 -17.54	37.60 1.14 -16.82	38.57 0.93 -21.57	42.45 1.11 -22.20	53.65 1.00 -34.04	67.53 1.32 -43.84	63.27 1.31 -38.52	55.10 1.21 -31.49	49.56 1.05 -27.88	43.92 1.20 -20.48	40.24 0.90 -22.94	38.78 0.73 -22.28
EAST RIVER___7 23524	31.32 0.27 -25.15	31.10 0.38 -21.36	30.44 0.37 -20.47	29.77 0.35 -19.56	30.31 0.39 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.99 1.51 -18.43	40.57 1.48 -14.75	38.34 1.24 -15.80	36.87 1.21 -14.07	37.06 1.07 -17.54	37.60 1.14 -16.82	38.57 0.93 -21.57	42.45 1.11 -22.20	53.65 1.00 -34.04	67.53 1.32 -43.84	63.27 1.31 -38.52	55.10 1.21 -31.49	49.56 1.05 -27.88	43.92 1.20 -20.48	40.24 0.90 -22.94	38.78 0.73 -22.28
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	31.28 0.28 -25.11	31.08 0.39 -21.32	30.41 0.37 -20.43	29.76 0.38 -19.53	30.29 0.40 -18.98	33.67 0.55 -19.29	41.77 1.12 -15.81	50.97 1.33 -23.09	45.93 1.43 -18.45	40.38 1.36 -14.69	38.19 1.15 -15.73	36.74 1.14 -14.00	36.91 1.00 -17.46	37.45 1.06 -16.74	38.41 0.87 -21.48	42.29 1.05 -22.10	53.48 0.99 -33.89	67.29 1.27 -43.65	63.08 1.29 -38.35	54.95 1.19 -31.36	49.48 1.09 -27.76	43.84 1.20 -20.39	40.11 0.87 -22.85	38.68 0.73 -22.18
EAST_HAMPTON___DIESEL 23722	32.44 0.83 -25.71	31.87 1.14 -21.36	31.20 1.12 -20.47	30.42 1.01 -19.56	31.05 1.13 -19.02	34.79 1.64 -19.33	44.24 3.43 -15.96	53.32 3.69 -23.08	48.37 3.88 -18.44	43.01 3.75 -14.93	40.64 3.07 -16.26	39.18 3.00 -14.59	39.06 2.55 -18.06	39.89 2.81 -17.43	42.13 2.44 -23.62	52.70 2.97 -30.60	85.71 3.00 -64.12	89.45 3.78 -63.30	87.76 3.87 -60.46	84.72 3.61 -58.71	65.24 3.26 -41.35	55.61 3.45 -29.91	42.20 2.48 -23.33	40.58 2.18 -22.63
EAST_PULASKI___ESR 323781	9.99 -0.06 -4.15	12.80 -0.09 -3.53	12.88 -0.11 -3.38	12.97 -0.12 -3.23	13.92 -0.12 -3.14	16.88 -0.14 -3.19	27.26 -0.20 -2.62	30.19 -0.19 -3.82	28.87 -0.23 -3.05	26.27 -0.24 -2.18	24.24 -0.21 -3.15	24.39 -0.22 -3.02	21.97 -0.20 -3.73	21.09 -0.22 -1.66	18.11 -0.16 -2.20	21.10 -0.19 -2.16	22.39 -0.13 -3.92	27.40 -0.11 -5.15	29.37 -0.12 -6.05	25.65 -0.09 -3.33	23.43 -0.10 -2.90	23.82 -0.16 -1.73	19.12 -0.11 -2.84	18.94 -0.13 -3.30
EAST_RIVER___1 323558	31.32 0.28 -25.15	31.11 0.38 -21.36	30.45 0.37 -20.47	29.78 0.36 -19.56	30.32 0.40 -19.02	33.69 0.54 -19.33	41.80 1.12 -15.83	51.01 1.38 -23.07	45.99 1.51 -18.43	40.57 1.48 -14.75	38.32 1.21 -15.80	36.87 1.21 -14.07	37.04 1.05 -17.54	37.58 1.12 -16.82	38.56 0.92 -21.57	42.43 1.09 -22.20	53.66 1.02 -34.04	67.55 1.34 -43.84	63.29 1.34 -38.52	55.10 1.21 -31.49	49.60 1.09 -27.88	43.95 1.22 -20.48	40.24 0.90 -22.94	38.79 0.74 -22.28
EAST_RIVER___2 323559	31.32 0.27 -25.15	31.10 0.38 -21.36	30.44 0.37 -20.47	29.77 0.35 -19.56	30.31 0.39 -19.02	33.67 0.53 -19.33	41.77 1.09 -15.83	50.98 1.35 -23.07	45.99 1.51 -18.43	40.57 1.48 -14.75	38.34 1.24 -15.80	36.87 1.21 -14.07	37.06 1.07 -17.54	37.60 1.14 -16.82	38.57 0.93 -21.57	42.45 1.11 -22.20	53.65 1.00 -34.04	67.53 1.32 -43.84	63.27 1.31 -38.52	55.10 1.21 -31.49	49.56 1.05 -27.88	43.92 1.20 -20.48	40.24 0.90 -22.94	38.78 0.73 -22.28
EAST___DELAWARE_HYD 23607	29.20 0.12 -23.18	29.23 0.17 -19.69	28.61 0.13 -18.87	28.00 0.12 -18.03	28.56 0.13 -17.53	31.85 0.21 -17.82	39.99 0.55 -14.60	48.32 0.69 -21.08	43.62 0.73 -16.85	38.45 0.63 -13.48	36.22 0.47 -14.44	34.88 0.43 -12.86	34.93 0.44 -16.03	35.51 0.49 -15.37	36.19 0.40 -19.72	39.41 -0.02 -20.29	49.73 0.02 -31.11	62.62 0.18 -40.08	58.83 0.19 -35.21	51.32 0.14 -28.79	46.21 0.10 -25.48	41.72 0.76 -18.72	37.84 0.48 -20.97	36.47 0.33 -20.37
EIGHT_POINT___WT_PWR 323820	13.98 0.14 -7.94	16.36 0.25 -6.74	16.33 0.26 -6.46	16.28 0.26 -6.17	17.13 0.23 -6.00	20.20 0.28 -6.10	30.12 0.27 -5.00	33.38 0.21 -6.62	31.54 0.21 -5.29	28.63 0.17 -4.13	25.88 0.15 -4.42	25.62 0.09 -3.94	23.33 -0.04 -4.91	24.37 0.02 -4.71	22.08 -0.03 -6.04	25.41 0.06 -6.22	28.23 0.09 -9.53	34.75 0.11 -12.28	34.36 0.14 -10.79	31.33 0.11 -8.82	28.62 0.19 -7.81	28.18 0.20 -5.73	23.02 0.20 -6.43	22.43 0.43 -6.24
ELBRIDGE_115KV_TB2 80188	11.24 0.02 -5.32	13.93 0.05 -4.52	13.98 0.04 -4.33	14.02 0.03 -4.14	14.95 0.02 -4.02	17.94 0.03 -4.09	28.19 0.00 -3.35	31.50 0.05 -4.89	30.03 0.08 -3.91	27.25 0.10 -2.82	24.40 0.11 -2.99	24.21 0.13 -2.49	21.74 0.09 -3.20	22.72 0.14 -2.94	20.04 0.10 -3.88	23.23 0.13 -3.96	24.96 0.13 -6.23	30.57 0.16 -8.05	30.97 0.16 -7.37	28.25 0.16 -5.69	25.80 0.14 -5.03	25.97 0.13 -3.59	20.74 0.10 -4.25	20.17 0.14 -4.26
ELEC_TRO_TEK 24086	35.70 0.42 -29.38	31.30 0.55 -21.38	30.61 0.52 -20.48	29.90 0.48 -19.56	30.43 0.51 -19.02	33.96 0.79 -19.34	43.35 1.69 -16.82	51.52 1.83 -23.13	46.56 2.03 -18.48	42.36 1.92 -16.10	42.05 1.60 -19.14	41.04 1.60 -17.85	41.10 1.37 -21.28	42.40 1.47 -21.29	43.84 1.16 -26.62	51.82 1.38 -31.30	83.95 1.32 -64.03	87.23 1.65 -63.21	85.48 1.69 -60.36	82.62 1.59 -58.63	63.35 1.44 -41.28	55.18 1.58 -31.36	43.35 1.25 -25.71	41.76 1.10 -24.88
ELLENBURG_WT_PWR 323604	6.15 -0.78 -1.03	8.82 -1.42 -0.87	9.07 -1.37 -0.83	9.35 -1.30 -0.80	10.47 -1.21 -0.78	13.28 -1.33 -0.79	23.28 -2.21 -0.65	25.37 -2.02 -0.84	23.62 -3.10 -0.67	21.48 -3.38 -0.53	11.30 -3.26 6.75	-2.62 -3.32 20.89	-2.56 -2.79 18.23	-0.28 -3.18 16.74	0.24 -2.62 13.21	0.96 -3.12 15.06	1.13 -3.03 14.44	1.47 -3.56 17.33	19.27 -3.56 0.60	1.16 -3.67 17.56	1.14 -3.30 16.19	1.00 -3.65 17.59	6.66 -2.75 6.98	14.08 -2.49 -0.80
ELM_ST_23_KV_LD_REV_LBMP_A 345012	12.74 0.09 -6.75	15.25 0.15 -5.73	15.24 0.14 -5.49	15.22 0.12 -5.25	16.05 0.04 -5.10	18.95 -0.06 -5.19	28.65 -0.45 -4.25	31.91 -0.85 -6.21	30.22 -0.78 -4.96	27.25 -0.61 -3.53	24.66 -0.43 -3.78	24.50 -0.45 -3.36	22.17 -0.48 -4.20	23.22 -0.45 -4.02	20.81 -0.42 -5.16	23.95 -0.50 -5.31	26.24 -0.50 -8.14	32.07 -0.78 -10.49	31.88 -0.77 -9.21	29.26 -0.67 -7.53	26.72 -0.58 -6.67	26.63 -0.51 -4.90	21.62 -0.26 -5.49	21.21 0.11 -5.33
EMPIRE_CC_1 323656	35.32 0.11 -29.31	34.41 0.15 -24.89	33.67 0.20 -23.85	32.87 0.22 -22.80	33.30 0.23 -22.17	36.61 0.26 -22.53	43.82 0.52 -18.46	54.73 0.45 -27.72	48.69 0.49 -22.15	42.51 0.46 -17.72	40.75 0.47 -18.98	38.98 0.50 -16.89	39.92 0.41 -21.07	40.27 0.43 -20.20	42.33 0.35 -25.91	46.20 0.40 -26.66	59.87 0.39 -40.88	75.38 0.36 -52.66	70.09 0.40 -46.26	60.67 0.45 -37.82	54.52 0.41 -33.48	47.28 0.44 -24.59	44.28 0.33 -27.56	42.84 0.32 -26.76

EMPIRE_CC_2 323658	35.32 0.11 -29.31	34.41 0.15 -24.89	33.67 0.20 -23.85	32.87 0.22 -22.80	33.30 0.23 -22.17	36.61 0.26 -22.53	43.82 0.52 -18.46	54.73 0.45 -27.72	48.69 0.49 -22.15	42.51 0.46 -17.72	40.75 0.47 -18.98	38.98 0.50 -16.89	39.92 0.41 -21.07	40.27 0.43 -20.20	42.33 0.35 -25.91	46.20 0.40 -26.66	59.87 0.39 -40.88	75.38 0.36 -52.66	70.09 0.40 -46.26	60.67 0.45 -37.82	54.52 0.41 -33.48	47.28 0.44 -24.59	44.28 0.33 -27.56	42.84 0.32 -26.76
ENORWICH_115KV_TB1 80156	16.61 0.38 -10.33	18.82 0.67 -8.77	18.68 0.66 -8.41	18.56 0.67 -8.03	19.50 0.78 -7.81	22.80 1.04 -7.94	33.58 2.24 -6.50	38.60 2.55 -9.50	36.01 2.37 -7.59	32.18 2.41 -5.44	29.13 2.00 -5.82	28.79 2.01 -5.18	26.58 1.66 -6.47	27.61 1.77 -6.20	25.50 1.48 -7.95	29.14 1.82 -8.18	33.12 1.97 -12.55	41.01 2.48 -16.16	40.24 2.60 -14.20	36.47 2.46 -11.61	33.07 2.17 -10.28	31.93 2.14 -7.55	26.42 1.57 -8.46	25.31 1.32 -8.21
ERIE_ST__34_KV_TB1-2 80199	12.81 0.05 -6.86	15.29 0.09 -5.83	15.27 0.08 -5.58	15.25 0.06 -5.34	16.07 -0.02 -5.19	18.97 -0.12 -5.27	28.67 -0.50 -4.32	32.04 -0.82 -6.31	30.33 -0.76 -5.04	27.33 -0.58 -3.59	24.72 -0.43 -3.84	24.56 -0.45 -3.42	22.22 -0.50 -4.27	23.26 -0.47 -4.09	20.90 -0.42 -5.25	24.04 -0.50 -5.40	26.38 -0.50 -8.28	32.27 -0.76 -10.67	32.08 -0.73 -9.37	29.41 -0.65 -7.66	26.85 -0.56 -6.78	26.74 -0.49 -4.98	21.70 -0.28 -5.58	21.24 0.05 -5.42
ERIE_WT_PWR 323693	12.83 0.11 -6.82	15.34 0.18 -5.79	15.32 0.16 -5.55	15.32 0.16 -5.31	16.13 0.07 -5.16	19.07 0.00 -5.24	28.79 -0.35 -4.30	31.43 -0.72 -5.59	29.89 -0.63 -4.47	27.32 -0.51 -3.51	24.72 -0.34 -3.76	24.57 -0.37 -3.34	22.21 -0.41 -4.17	23.27 -0.37 -4.00	20.84 -0.35 -5.13	23.99 -0.42 -5.28	26.28 -0.41 -8.09	32.09 -0.69 -10.42	31.94 -0.66 -9.16	29.33 -0.56 -7.49	26.78 -0.47 -6.63	26.69 -0.42 -4.87	21.65 -0.20 -5.45	21.24 0.17 -5.30
ESPRGFLD_115KV_TB1 80157	5.21 0.25 0.94	8.99 0.42 0.80	9.24 0.39 0.77	9.50 0.38 0.73	10.64 0.45 0.71	13.68 0.58 0.72	25.52 1.27 0.59	27.12 1.43 0.87	26.74 1.38 0.69	24.72 1.05 0.66	21.50 0.89 0.70	21.83 0.86 0.62	18.41 0.74 0.78	19.68 0.79 0.75	15.72 0.61 0.96	18.92 0.77 0.99	17.91 0.82 1.51	21.51 1.10 1.95	22.92 1.20 1.71	22.10 1.10 1.40	20.34 0.95 1.24	22.34 1.00 0.91	16.05 0.67 1.02	15.33 0.55 0.99
ETNA_115_KV_TB1_REV_LBMP_C 345029	14.26 0.17 -8.19	16.60 0.27 -6.96	16.54 0.27 -6.67	16.48 0.26 -6.37	17.39 0.29 -6.20	20.51 0.39 -6.30	30.72 0.72 -5.16	34.94 0.85 -7.53	32.90 0.83 -6.02	29.47 0.80 -4.33	26.65 0.70 -4.64	26.44 0.71 -4.13	24.19 0.59 -5.15	25.23 0.65 -4.94	22.94 0.53 -6.34	26.33 0.67 -6.52	29.29 0.69 -10.00	36.11 0.87 -12.88	35.66 0.91 -11.31	32.53 0.87 -9.25	29.60 0.78 -8.19	29.04 0.78 -6.01	23.71 0.57 -6.74	22.88 0.57 -6.54
ETNA_____115KV_TB2 80207	14.26 0.17 -8.19	16.60 0.27 -6.96	16.54 0.27 -6.67	16.48 0.26 -6.37	17.39 0.29 -6.20	20.51 0.39 -6.30	30.72 0.72 -5.16	34.94 0.85 -7.53	32.90 0.83 -6.02	29.47 0.80 -4.33	26.65 0.70 -4.64	26.44 0.71 -4.13	24.19 0.59 -5.15	25.23 0.65 -4.94	22.94 0.53 -6.34	26.33 0.67 -6.52	29.29 0.69 -10.00	36.11 0.87 -12.88	35.66 0.91 -11.31	32.53 0.87 -9.25	29.60 0.78 -8.19	29.04 0.78 -6.01	23.71 0.57 -6.74	22.88 0.57 -6.54
EUCLID__115KV_TB2 356179	10.65 -0.02 -4.77	13.40 -0.02 -4.05	13.46 -0.03 -3.88	13.52 -0.04 -3.71	14.45 -0.05 -3.61	17.42 -0.07 -3.67	27.67 -0.17 -3.00	30.73 -0.21 -4.39	29.40 -0.16 -3.51	26.72 -0.12 -2.51	23.86 -0.09 -2.64	23.66 -0.06 -2.13	21.16 -0.07 -2.78	22.09 -0.06 -2.51	19.37 -0.05 -3.35	22.50 -0.06 -3.42	23.98 -0.06 -5.43	29.33 -0.07 -7.03	29.89 -0.09 -6.55	27.27 -0.07 -4.94	24.92 -0.06 -4.36	25.23 -0.09 -3.07	20.07 -0.05 -3.73	19.54 -0.02 -3.79
E_CANADA_CAP_HY 24051	44.58 0.26 -38.42	42.41 0.41 -32.63	41.26 0.38 -31.26	40.11 0.37 -29.88	40.40 0.45 -29.05	43.95 0.61 -29.52	50.37 1.34 -24.19	63.60 1.46 -35.58	55.91 1.43 -28.43	48.36 1.14 -22.89	46.78 0.96 -24.51	44.34 0.93 -21.82	46.46 0.79 -27.21	46.58 0.84 -26.09	50.14 0.61 -33.46	54.38 0.80 -34.44	72.30 0.89 -52.81	91.63 1.25 -68.02	84.53 1.34 -59.75	72.47 1.21 -48.86	64.93 1.05 -43.25	55.17 1.16 -31.77	52.71 0.72 -35.60	50.93 0.60 -34.56
E_CANADA_MHWK_HY 24050	6.76 0.06 -0.80	10.17 0.12 -0.68	10.42 0.16 -0.65	10.67 0.20 -0.62	11.74 0.24 -0.60	14.74 0.30 -0.61	25.87 0.52 -0.50	27.66 0.45 -0.65	26.83 0.26 -0.52	24.91 0.17 -0.41	21.85 0.11 -0.44	22.07 0.09 -0.39	18.98 0.04 -0.49	20.13 0.02 -0.47	16.70 0.03 -0.60	19.79 0.04 -0.62	19.64 0.09 -0.95	23.74 0.16 -1.22	24.70 0.19 -1.07	23.44 0.16 -0.88	21.53 0.12 -0.78	22.97 0.16 -0.57	17.16 0.13 -0.64	16.49 0.10 -0.62
E_FISHKILL__LBMP 23776	31.71 0.24 -25.57	31.43 0.35 -21.71	30.75 0.34 -20.81	30.08 0.34 -19.89	30.61 0.37 -19.34	33.97 0.50 -19.65	41.96 1.02 -16.10	51.21 1.14 -23.52	46.06 1.22 -18.79	40.49 1.17 -14.99	38.36 1.00 -16.05	36.88 0.99 -14.29	37.12 0.85 -17.82	37.65 0.92 -17.09	38.74 0.76 -21.92	42.59 0.90 -22.55	54.04 0.86 -34.59	68.01 1.10 -44.55	63.67 1.10 -39.14	55.43 1.03 -32.00	49.90 0.95 -28.33	44.12 1.07 -20.81	40.46 0.75 -23.31	39.04 0.63 -22.64
FALCON__SEABRD_CC1 323796	6.21 -0.72 -1.03	8.91 -1.33 -0.87	9.17 -1.28 -0.84	9.47 -1.18 -0.80	10.59 -1.09 -0.78	13.45 -1.16 -0.79	23.60 -1.89 -0.65	25.75 -1.65 -0.84	23.91 -2.81 -0.68	21.75 -3.11 -0.53	11.40 -3.00 6.91	-2.63 -3.04 21.17	-2.63 -2.56 18.51	-0.05 -2.95 16.75	0.45 -2.44 13.18	1.21 -2.91 15.02	1.38 -2.83 14.40	1.77 -3.31 17.28	19.50 -3.28 0.66	1.44 -3.45 17.51	1.43 -3.05 16.15	1.29 -3.40 17.55	6.86 -2.57 6.96	14.24 -2.33 -0.80
FALCON__SEABRD_CC2 323797	6.21 -0.72 -1.03	8.91 -1.33 -0.87	9.17 -1.28 -0.84	9.47 -1.18 -0.80	10.59 -1.09 -0.78	13.45 -1.16 -0.79	23.60 -1.89 -0.65	25.75 -1.65 -0.84	23.91 -2.81 -0.68	21.75 -3.11 -0.53	11.40 -3.00 6.91	-2.63 -3.04 21.17	-2.63 -2.56 18.51	-0.05 -2.95 16.75	0.45 -2.44 13.18	1.21 -2.91 15.02	1.38 -2.83 14.40	1.77 -3.31 17.28	19.50 -3.28 0.66	1.44 -3.45 17.51	1.43 -3.05 16.15	1.29 -3.40 17.55	6.86 -2.57 6.96	14.24 -2.33 -0.80
FAR ROCKAWAY__4 23548	41.09 0.51 -34.68	31.47 0.68 -21.41	30.78 0.66 -20.51	30.04 0.62 -19.56	30.59 0.66 -19.02	34.17 0.98 -19.37	44.95 2.06 -18.05	51.92 2.23 -23.13	46.95 2.42 -18.48	44.46 2.29 -17.84	46.56 1.90 -23.36	46.09 1.90 -22.60	46.07 1.62 -25.99	48.30 1.75 -26.91	48.85 1.38 -31.40	53.67 1.66 -32.86	84.27 1.64 -64.03	87.68 2.08 -63.23	85.93 2.13 -60.36	83.03 1.99 -58.63	63.72 1.82 -41.28	57.70 1.94 -33.52	47.11 1.51 -29.21	45.32 1.34 -28.21
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.83	51.09 1.41 -23.13	46.06 1.54 -18.48	40.53 1.48 -14.72	38.30 1.24 -15.76	36.85 1.23 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.77	38.52 0.93 -21.52	42.39 1.11 -22.14	53.58 1.02 -33.96	67.44 1.34 -43.74	63.20 1.34 -38.42	55.05 1.23 -31.42	49.55 1.11 -27.81	43.92 1.25 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23

FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.83	51.09 1.41 -23.13	46.06 1.54 -18.48	40.53 1.48 -14.72	38.30 1.24 -15.76	36.85 1.23 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.77	38.52 0.93 -21.52	42.39 1.11 -22.14	53.58 1.02 -33.96	67.44 1.34 -43.74	63.20 1.34 -38.42	55.05 1.23 -31.42	49.55 1.11 -27.81	43.92 1.25 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.69 0.54 -19.33	41.82 1.14 -15.83	51.09 1.41 -23.13	46.04 1.51 -18.48	40.53 1.48 -14.72	38.30 1.24 -15.76	36.83 1.21 -14.03	37.00 1.05 -17.50	37.54 1.12 -16.77	38.50 0.92 -21.52	42.37 1.09 -22.14	53.58 1.02 -33.96	67.42 1.32 -43.74	63.17 1.31 -38.42	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.20 0.92 -22.89	38.74 0.74 -22.23
FARRAGUT___LBMP 323566	31.33 0.28 -25.15	31.11 0.38 -21.36	30.45 0.37 -20.47	29.79 0.37 -19.56	30.32 0.40 -19.02	33.69 0.54 -19.33	41.80 1.12 -15.83	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.81 1.19 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.77	38.49 0.90 -21.52	42.37 1.09 -22.14	53.56 1.00 -33.96	67.42 1.32 -43.74	63.17 1.31 -38.42	55.01 1.19 -31.42	49.51 1.07 -27.81	43.87 1.20 -20.43	40.18 0.90 -22.89	38.74 0.74 -22.23
FENNER___WINDPWR 24204	11.06 0.10 -5.06	13.85 0.18 -4.30	13.90 0.17 -4.12	13.96 0.17 -3.94	14.93 0.20 -3.83	17.99 0.28 -3.89	28.60 0.57 -3.19	31.43 0.69 -4.18	30.04 0.65 -3.34	27.53 0.58 -2.62	24.94 0.51 -3.12	24.97 0.52 -2.86	22.43 0.42 -3.56	22.73 0.43 -2.66	19.86 0.35 -3.44	23.07 0.44 -3.50	24.69 0.48 -5.60	30.20 0.58 -7.25	31.04 0.63 -6.97	28.05 0.58 -5.07	25.61 0.52 -4.47	25.86 0.49 -3.12	20.61 0.36 -3.85	20.06 0.33 -3.95
FIBERTEK___ENERGY 23856	11.10 0.04 -5.16	13.82 0.07 -4.38	13.87 0.07 -4.20	13.92 0.06 -4.01	14.87 0.07 -3.90	17.87 0.08 -3.96	28.22 0.12 -3.25	31.46 0.16 -4.74	30.02 0.18 -3.79	27.28 0.22 -2.73	24.41 0.21 -2.89	24.21 0.24 -2.38	21.71 0.18 -3.07	22.68 0.24 -2.80	19.96 0.18 -3.72	23.16 0.23 -3.80	24.82 0.22 -5.99	30.38 0.27 -7.74	30.82 0.26 -7.13	28.13 0.27 -5.46	25.70 0.25 -4.82	25.90 0.22 -3.43	20.65 0.16 -4.09	20.08 0.19 -4.12
FITZPATRICK____ 23598	9.56 -0.11 -3.77	12.40 -0.17 -3.20	12.50 -0.17 -3.07	12.60 -0.19 -2.93	13.54 -0.22 -2.85	16.45 -0.28 -2.90	26.65 -0.57 -2.37	29.04 -0.61 -3.10	27.93 -0.60 -2.48	25.75 -0.54 -1.96	22.95 -0.45 -2.10	23.01 -0.45 -1.87	20.39 -0.39 -2.33	21.48 -0.34 -2.23	18.60 -0.34 -2.86	21.68 -0.40 -2.95	22.73 -0.39 -4.52	27.71 -0.47 -5.82	28.06 -0.49 -5.11	26.11 -0.47 -4.18	23.90 -0.43 -3.70	24.49 -0.47 -2.72	19.13 -0.31 -3.05	18.44 -0.28 -2.96
FLOWRFLD_69_KV_BK1 356044	32.25 0.60 -25.75	31.52 0.80 -21.36	30.85 0.78 -20.47	30.13 0.71 -19.56	30.68 0.76 -19.02	34.31 1.16 -19.33	43.30 2.48 -15.97	52.37 2.68 -23.13	47.40 2.87 -18.48	41.94 2.70 -14.91	39.82 2.26 -16.25	38.42 2.25 -14.58	38.42 1.92 -18.05	39.15 2.08 -17.43	41.39 1.72 -23.60	51.75 2.07 -30.55	84.70 2.06 -64.03	88.15 2.59 -63.19	86.47 2.67 -60.36	83.52 2.49 -58.63	64.18 2.27 -41.28	54.52 2.40 -29.88	41.53 1.84 -23.30	39.96 1.59 -22.60
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	31.56 0.30 -25.36	31.35 0.45 -21.54	30.67 0.42 -20.64	30.00 0.42 -19.72	30.53 0.46 -19.18	33.93 0.62 -19.49	42.08 1.27 -15.97	51.31 1.43 -23.32	46.17 1.48 -18.63	40.54 1.36 -14.84	38.36 1.15 -15.90	36.89 1.14 -14.15	37.13 1.03 -17.65	37.67 1.10 -16.92	38.67 0.90 -21.70	42.56 1.09 -22.34	53.91 1.06 -34.25	67.89 1.41 -44.12	63.65 1.45 -38.76	55.44 1.34 -31.69	49.92 1.24 -28.05	44.21 1.36 -20.61	40.41 0.93 -23.09	38.99 0.80 -22.42
FORT ORANGE____ 23900	36.12 0.08 -30.14	35.08 0.12 -25.59	34.27 0.13 -24.52	33.45 0.16 -23.44	33.85 0.16 -22.79	37.16 0.18 -23.16	44.19 0.37 -18.98	55.35 0.27 -28.53	49.18 0.34 -22.80	42.86 0.29 -18.24	41.12 0.28 -19.53	39.24 0.26 -17.39	40.37 0.24 -21.68	40.69 0.25 -20.79	42.94 0.21 -26.67	46.87 0.29 -27.44	60.96 0.28 -42.08	76.92 0.36 -54.20	71.45 0.40 -47.62	61.71 0.38 -38.93	55.44 0.35 -34.46	47.91 0.35 -25.32	44.96 0.20 -28.36	43.47 0.16 -27.54
FORT_DRUM_COGEN 23780	8.74 -0.17 -3.01	11.67 -0.25 -2.56	11.78 -0.28 -2.45	11.92 -0.28 -2.34	12.91 -0.26 -2.28	15.89 -0.25 -2.31	26.59 -0.15 -1.89	29.32 0.00 -2.77	27.92 -0.34 -2.21	25.42 -0.49 -1.58	24.93 -0.51 -4.13	25.37 -0.54 -4.32	23.23 -0.50 -5.28	18.36 -0.59 0.70	14.95 -0.43 0.69	17.64 -0.48 1.02	18.60 -0.30 -0.29	22.81 -0.20 -0.65	28.49 -0.12 -5.17	21.62 -0.16 0.63	19.73 -0.21 0.70	20.16 -0.36 1.73	16.87 -0.31 -0.79	17.73 -0.43 -2.39
FOX_HILLS___ESR 323835	31.39 0.34 -25.15	31.20 0.47 -21.36	30.53 0.45 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.80 1.12 -15.84	51.09 1.41 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.24 1.17 -15.76	36.70 1.08 -14.03	36.89 0.94 -17.50	37.44 1.02 -16.78	38.42 0.84 -21.52	42.22 0.94 -22.15	53.47 0.91 -33.96	67.33 1.23 -43.74	63.08 1.22 -38.43	54.94 1.12 -31.42	49.41 0.97 -27.81	43.72 1.05 -20.43	40.22 0.93 -22.89	38.79 0.79 -22.23
FPL FAR_ROCK_GT1 24212	41.09 0.51 -34.68	31.47 0.68 -21.41	30.78 0.66 -20.51	30.01 0.59 -19.57	30.59 0.67 -19.03	34.17 0.98 -19.37	44.95 2.06 -18.05	51.86 2.23 -23.08	46.91 2.42 -18.44	44.52 2.31 -17.88	46.60 1.90 -23.40	46.13 1.90 -22.63	46.11 1.62 -26.04	48.34 1.75 -26.95	49.02 1.49 -31.45	53.80 1.74 -32.92	84.45 1.73 -64.12	87.90 2.19 -63.34	86.12 2.23 -60.46	83.20 2.08 -58.71	63.87 1.90 -41.35	57.84 2.02 -33.57	47.17 1.51 -29.27	45.37 1.34 -28.26
FPL FAR_ROCK_GT2 23815	41.09 0.51 -34.68	31.47 0.68 -21.41	30.78 0.66 -20.51	30.01 0.59 -19.57	30.59 0.67 -19.03	34.17 0.98 -19.37	44.95 2.06 -18.05	51.86 2.23 -23.08	46.91 2.42 -18.44	44.52 2.31 -17.88	46.60 1.90 -23.40	46.13 1.90 -22.63	46.11 1.62 -26.04	48.34 1.75 -26.95	49.02 1.49 -31.45	53.80 1.74 -32.92	84.45 1.73 -64.12	87.90 2.19 -63.34	86.12 2.23 -60.46	83.20 2.08 -58.71	63.87 1.90 -41.35	57.84 2.02 -33.57	47.17 1.51 -29.27	45.37 1.34 -28.26
FRANKLIN_FALL_HYD 24054	6.33 -0.71 -1.14	9.05 -1.29 -0.97	9.29 -1.25 -0.93	9.58 -1.16 -0.89	10.67 -1.10 -0.87	13.50 -1.20 -0.88	23.58 -1.99 -0.72	25.88 -1.73 -1.05	24.02 -2.87 -0.84	21.84 -3.09 -0.60	37.74 -2.90 -19.33	46.30 -2.94 -27.64	46.42 -2.47 -30.44	9.00 -2.85 7.80	1.52 -2.35 12.21	2.37 -2.83 13.93	2.58 -2.75 13.27	3.24 -3.22 15.90	29.32 -3.19 -9.07	2.84 -3.36 16.20	2.71 -2.97 14.95	2.62 -3.31 16.31	7.50 -2.52 6.37	14.39 -2.29 -0.91
FREEPORT_EQUS_GT1 23764	35.29 0.47 -28.92	31.36 0.62 -21.38	30.69 0.60 -20.48	29.93 0.51 -19.56	30.51 0.59 -19.02	34.05 0.89 -19.34	43.46 1.91 -16.71	51.68 2.04 -23.08	46.73 2.24 -18.44	42.48 2.16 -15.99	41.89 1.77 -18.81	40.83 1.77 -17.46	40.87 1.51 -20.91	42.11 1.63 -20.83	43.84 1.40 -26.38	52.14 1.63 -31.37	84.17 1.45 -64.12	87.54 1.86 -63.32	85.79 1.90 -60.46	82.88 1.77 -58.71	63.67 1.69 -41.35	55.38 1.91 -31.22	43.26 1.41 -25.46	41.66 1.25 -24.65

FREEPORT___CT2 23818	35.29 0.47 -28.92	31.36 0.62 -21.38	30.69 0.60 -20.48	29.93 0.51 -19.56	30.51 0.59 -19.02	34.05 0.89 -19.34	43.46 1.91 -16.71	51.68 2.04 -23.08	46.73 2.24 -18.44	42.48 2.16 -15.99	41.89 1.77 -18.81	40.83 1.77 -17.46	40.87 1.51 -20.91	42.11 1.63 -20.83	43.84 1.40 -26.38	52.14 1.63 -31.37	84.17 1.45 -64.12	87.54 1.86 -63.32	85.79 1.90 -60.46	82.88 1.77 -58.71	63.67 1.69 -41.35	55.38 1.91 -31.22	43.26 1.41 -25.46	41.66 1.25 -24.65
FRESHKLS_33_KV_LOAD 356253	31.40 0.35 -25.15	31.21 0.49 -21.36	30.54 0.46 -20.47	29.89 0.47 -19.56	30.42 0.50 -19.02	33.73 0.58 -19.33	41.80 1.12 -15.84	51.09 1.41 -23.13	46.01 1.48 -18.48	40.48 1.44 -14.72	38.22 1.15 -15.76	36.64 1.01 -14.03	36.84 0.89 -17.50	37.38 0.96 -16.78	38.38 0.79 -21.52	42.14 0.86 -22.15	53.41 0.86 -33.95	66.04 1.16 -42.52	60.28 1.15 -35.69	54.87 1.05 -31.41	49.34 0.91 -27.80	43.64 0.98 -20.42	40.10 0.82 -22.89	38.77 0.77 -22.23
FULTON COGEN____ 23766	10.37 -0.04 -4.51	13.14 -0.06 -3.83	13.22 -0.06 -3.67	13.29 -0.07 -3.51	14.22 -0.09 -3.41	17.19 -0.10 -3.47	27.46 -0.22 -2.84	30.46 -0.24 -4.15	29.15 -0.21 -3.31	26.53 -0.17 -2.37	24.02 -0.13 -2.85	24.10 -0.11 -2.62	21.61 -0.09 -3.25	21.95 -0.08 -2.38	19.07 -0.08 -3.08	22.19 -0.08 -3.13	23.57 -0.07 -5.04	28.83 -0.07 -6.53	29.66 -0.09 -6.32	26.89 -0.07 -4.55	24.56 -0.08 -4.01	24.93 -0.11 -2.79	19.80 -0.07 -3.47	19.30 -0.05 -3.58
FULTON___LFGE 323630	42.59 0.47 -36.22	40.85 0.72 -30.76	39.78 0.69 -29.47	38.70 0.68 -28.17	39.07 0.79 -27.39	42.74 1.08 -27.83	49.84 2.19 -22.81	62.65 2.36 -33.74	55.40 2.39 -26.96	48.13 2.14 -21.66	46.36 1.85 -23.20	43.93 1.69 -20.65	45.76 1.55 -25.76	46.03 1.69 -24.69	49.09 1.35 -31.67	53.44 1.70 -32.60	70.39 1.80 -49.98	89.16 2.42 -64.38	82.43 2.44 -56.56	70.84 2.20 -46.24	63.52 1.96 -40.93	54.32 2.00 -30.07	51.38 1.29 -33.69	49.60 1.12 -32.72
G.F.CEMENT___DRP 24184	37.53 0.42 -31.21	36.50 0.63 -26.50	35.64 0.63 -25.40	34.76 0.63 -24.27	35.19 0.69 -23.60	38.75 0.94 -23.98	46.28 1.79 -19.65	57.11 1.86 -28.70	50.91 1.93 -22.93	44.85 1.70 -18.82	42.89 1.43 -20.15	40.98 1.45 -17.94	42.08 1.25 -22.37	42.41 1.32 -21.45	44.61 1.03 -27.51	48.23 0.78 -28.31	62.85 0.84 -43.41	79.42 1.14 -55.92	73.73 1.17 -49.13	63.60 1.03 -40.17	57.13 0.95 -35.56	49.25 0.89 -26.12	46.26 0.61 -29.26	45.26 1.07 -28.42
GARDENVILLE___LBMP 24039	12.81 0.09 -6.82	15.31 0.15 -5.79	15.31 0.14 -5.55	15.28 0.12 -5.31	16.10 0.04 -5.16	19.03 -0.04 -5.24	28.72 -0.42 -4.30	32.03 -0.80 -6.28	30.33 -0.73 -5.01	27.32 -0.58 -3.57	24.72 -0.40 -3.82	24.54 -0.45 -3.40	22.22 -0.48 -4.24	23.26 -0.45 -4.07	20.89 -0.40 -5.22	24.03 -0.48 -5.37	26.36 -0.48 -8.24	32.21 -0.76 -10.61	32.03 -0.73 -9.32	29.40 -0.63 -7.62	26.84 -0.54 -6.75	26.73 -0.47 -4.96	21.70 -0.25 -5.55	21.27 0.11 -5.39
GARDNVLA_35_KV_LD 355827	12.83 0.11 -6.82	15.35 0.19 -5.79	15.33 0.17 -5.55	15.32 0.16 -5.31	16.14 0.08 -5.16	19.08 0.01 -5.24	28.84 -0.30 -4.29	32.14 -0.69 -6.27	30.46 -0.60 -5.01	27.44 -0.46 -3.57	24.83 -0.30 -3.82	24.67 -0.32 -3.40	22.30 -0.39 -4.24	23.36 -0.35 -4.07	20.96 -0.32 -5.22	24.12 -0.38 -5.37	26.44 -0.39 -8.23	32.32 -0.65 -10.60	32.14 -0.61 -9.31	29.50 -0.52 -7.62	26.94 -0.43 -6.74	26.84 -0.36 -4.95	21.78 -0.16 -5.55	21.35 0.19 -5.39
GELCKHM___115KV_LOAD 80723	10.84 0.01 -4.93	13.56 0.01 -4.19	13.63 0.01 -4.01	13.68 -0.01 -3.83	14.62 -0.01 -3.73	17.60 -0.01 -3.79	27.87 -0.07 -3.10	31.01 -0.08 -4.53	29.62 -0.05 -3.62	26.93 0.00 -2.60	24.07 0.02 -2.74	23.85 0.02 -2.23	21.37 0.02 -2.90	22.31 0.04 -2.62	19.60 0.03 -3.50	22.74 0.04 -3.57	24.29 0.04 -5.65	29.72 0.04 -7.31	30.24 0.02 -6.78	27.59 0.04 -5.15	25.21 0.04 -4.54	25.46 0.00 -3.22	20.30 0.03 -3.87	19.74 0.05 -3.92
GENERAL___MILLS 23808	12.82 0.10 -6.82	15.33 0.17 -5.79	15.31 0.15 -5.55	15.30 0.14 -5.31	16.11 0.05 -5.16	19.05 -0.01 -5.24	28.77 -0.37 -4.30	32.08 -0.74 -6.27	30.41 -0.65 -5.01	27.39 -0.51 -3.57	24.79 -0.34 -3.82	24.61 -0.39 -3.40	22.27 -0.42 -4.24	23.32 -0.39 -4.07	20.92 -0.37 -5.22	24.08 -0.42 -5.37	26.41 -0.43 -8.23	32.27 -0.69 -10.60	32.10 -0.66 -9.32	29.46 -0.56 -7.62	26.90 -0.47 -6.74	26.77 -0.42 -4.95	21.73 -0.21 -5.55	21.32 0.16 -5.39
GE_PLASTICS___DRP 24183	36.19 0.11 -30.19	35.17 0.17 -25.64	34.36 0.18 -24.57	33.53 0.20 -23.48	33.95 0.22 -22.83	37.27 0.25 -23.20	44.32 0.47 -19.01	54.77 0.45 -27.76	48.72 0.49 -22.18	43.04 0.44 -18.27	41.28 0.40 -19.57	39.42 0.41 -17.42	40.53 0.35 -21.72	40.85 0.37 -20.83	43.11 0.32 -26.72	47.01 0.38 -27.49	61.15 0.39 -42.16	77.11 0.45 -54.30	71.61 0.47 -47.71	61.88 0.47 -39.01	55.59 0.43 -34.53	48.05 0.44 -25.36	45.11 0.30 -28.42	43.62 0.25 -27.59
GILBOA___1 23756	31.17 0.14 -25.13	31.00 0.29 -21.34	30.36 0.30 -20.45	29.69 0.30 -19.55	30.23 0.33 -19.00	33.45 0.32 -19.31	41.26 0.60 -15.82	47.10 0.66 -19.88	42.63 0.70 -15.88	37.71 0.66 -12.73	35.51 0.58 -13.63	34.29 0.56 -12.13	34.06 0.48 -15.13	34.68 0.53 -14.51	35.10 0.42 -18.61	38.80 0.52 -19.15	48.41 0.45 -29.37	60.66 0.47 -37.82	57.23 0.56 -33.23	50.18 0.61 -27.17	45.24 0.56 -24.05	40.51 0.60 -17.67	36.61 0.43 -19.79	35.37 0.38 -19.22
GILBOA___2 23757	31.17 0.14 -25.13	31.00 0.29 -21.34	30.36 0.30 -20.45	29.69 0.30 -19.55	30.23 0.33 -19.00	33.45 0.32 -19.31	41.26 0.60 -15.82	47.10 0.66 -19.88	42.63 0.70 -15.88	37.71 0.66 -12.73	35.51 0.58 -13.63	34.29 0.56 -12.13	34.06 0.48 -15.13	34.68 0.53 -14.51	35.10 0.42 -18.61	38.80 0.52 -19.15	48.41 0.45 -29.37	60.66 0.47 -37.82	57.23 0.56 -33.23	50.18 0.61 -27.17	45.24 0.56 -24.05	40.51 0.60 -17.67	36.61 0.43 -19.79	35.37 0.38 -19.22
GILBOA___3 23758	31.17 0.14 -25.13	31.00 0.29 -21.34	30.36 0.30 -20.45	29.69 0.30 -19.55	30.23 0.33 -19.00	33.45 0.32 -19.31	41.26 0.60 -15.82	47.10 0.66 -19.88	42.63 0.70 -15.88	37.71 0.66 -12.73	35.51 0.58 -13.63	34.29 0.56 -12.13	34.06 0.48 -15.13	34.68 0.53 -14.51	35.10 0.42 -18.61	38.80 0.52 -19.15	48.41 0.45 -29.37	60.66 0.47 -37.82	57.23 0.56 -33.23	50.18 0.61 -27.17	45.24 0.56 -24.05	40.51 0.60 -17.67	36.61 0.43 -19.79	35.37 0.38 -19.22
GILBOA___4 23759	31.17 0.14 -25.13	31.00 0.29 -21.34	30.36 0.30 -20.45	29.69 0.30 -19.55	30.23 0.33 -19.00	33.45 0.32 -19.31	41.26 0.60 -15.82	47.10 0.66 -19.88	42.63 0.70 -15.88	37.71 0.66 -12.73	35.51 0.58 -13.63	34.29 0.56 -12.13	34.06 0.48 -15.13	34.68 0.53 -14.51	35.10 0.42 -18.61	38.80 0.52 -19.15	48.41 0.45 -29.37	60.66 0.47 -37.82	57.23 0.56 -33.23	50.18 0.61 -27.17	45.24 0.56 -24.05	40.51 0.60 -17.67	36.61 0.43 -19.79	35.37 0.38 -19.22
GILBOA___ 23599	31.17 0.14 -25.13	31.00 0.29 -21.34	30.36 0.30 -20.45	29.69 0.30 -19.55	30.23 0.33 -19.00	33.45 0.32 -19.31	41.26 0.60 -15.82	50.33 0.66 -23.11	45.22 0.70 -18.47	37.67 0.66 -12.68	35.46 0.58 -13.58	34.24 0.56 -12.09	34.01 0.48 -15.08	34.63 0.53 -14.45	35.03 0.42 -18.54	38.73 0.52 -19.08	48.31 0.45 -29.26	60.52 0.47 -37.69	57.11 0.56 -33.11	50.05 0.58 -27.07	45.13 0.54 -23.96	40.45 0.60 -17.60	36.54 0.43 -19.72	35.30 0.38 -19.15

GINNA____ 23603	11.43 -0.19 -5.73	13.91 -0.32 -4.86	13.94 -0.33 -4.66	13.96 -0.35 -4.45	14.81 -0.43 -4.33	17.68 -0.54 -4.40	27.38 -1.07 -3.61	29.87 -1.30 -4.62	28.46 -1.28 -3.69	26.12 -1.12 -2.90	23.48 -0.94 -3.11	23.46 -0.91 -2.77	21.15 -0.76 -3.45	22.15 -0.81 -3.31	19.66 -0.66 -4.25	22.69 -0.82 -4.37	24.50 -0.80 -6.70	30.06 -0.94 -8.63	30.01 -1.01 -7.58	27.64 -0.96 -6.20	25.23 -0.89 -5.49	25.30 -0.98 -4.03	20.21 -0.70 -4.52	19.59 -0.57 -4.39
GLEN PARK____ 23778	8.86 -0.14 -3.10	11.80 -0.21 -2.63	11.90 -0.23 -2.52	12.03 -0.24 -2.41	13.04 -0.21 -2.34	16.01 -0.19 -2.38	26.80 0.00 -1.95	29.27 0.16 -2.55	27.91 -0.18 -2.04	25.57 -0.36 -1.61	24.94 -0.41 -4.04	25.36 -0.43 -4.20	23.16 -0.42 -5.14	18.59 -0.51 0.54	15.21 -0.37 0.49	17.97 -0.36 0.80	18.96 -0.17 -0.53	23.26 -0.04 -0.94	28.70 0.07 -5.19	22.06 0.02 0.37	20.13 -0.04 0.46	20.55 -0.20 1.49	17.11 -0.20 -0.92	17.85 -0.35 -2.43
GLENDAL_27_KV_LOAD 356172	31.38 0.33 -25.15	31.19 0.46 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.74 0.59 -19.33	41.87 1.19 -15.84	51.20 1.51 -23.13	46.17 1.64 -18.48	40.65 1.61 -14.72	38.39 1.32 -15.76	36.92 1.30 -14.03	37.06 1.11 -17.50	37.62 1.20 -16.78	38.57 0.98 -21.52	42.43 1.15 -22.15	53.68 1.12 -33.96	67.56 1.45 -43.74	63.32 1.45 -38.43	55.14 1.32 -31.42	49.62 1.18 -27.81	43.96 1.29 -20.43	40.27 0.98 -22.89	38.83 0.84 -22.23
GLENWOOD_IC_1_G5 23712	33.98 0.39 -27.69	31.26 0.52 -21.37	30.58 0.50 -20.48	29.90 0.48 -19.56	30.43 0.51 -19.02	33.91 0.75 -19.34	42.86 1.59 -16.42	51.46 1.78 -23.13	46.46 1.93 -18.48	41.73 1.85 -15.55	40.66 1.56 -17.80	39.47 1.55 -16.33	39.55 1.33 -19.77	40.57 1.43 -19.49	42.35 1.16 -25.12	51.36 1.38 -30.85	83.90 1.26 -64.03	87.18 1.61 -63.20	85.41 1.62 -60.36	82.54 1.50 -58.63	63.29 1.38 -41.28	54.49 1.58 -30.67	42.16 1.18 -24.59	40.61 1.03 -23.82
GLENWOOD_IC_2_G1 23688	32.64 0.35 -26.39	31.21 0.48 -21.36	30.53 0.45 -20.47	29.84 0.42 -19.56	30.39 0.47 -19.02	33.83 0.68 -19.33	42.38 1.42 -16.12	51.22 1.59 -23.08	46.23 1.75 -18.44	41.16 1.68 -15.16	39.54 1.43 -16.80	38.19 1.40 -15.19	38.33 1.22 -18.66	39.09 1.30 -18.15	41.03 1.09 -23.87	50.78 1.28 -30.36	83.95 1.23 -64.12	87.23 1.56 -63.30	85.46 1.57 -60.46	82.59 1.48 -58.71	63.32 1.34 -41.35	53.92 1.49 -30.19	41.24 1.06 -23.78	39.74 0.91 -23.06
GLENWOOD_IC_3_G1 23689	32.64 0.35 -26.39	31.21 0.48 -21.36	30.53 0.45 -20.47	29.84 0.42 -19.56	30.39 0.47 -19.02	33.83 0.68 -19.33	42.38 1.42 -16.12	51.22 1.59 -23.08	46.23 1.75 -18.44	41.16 1.68 -15.16	39.54 1.43 -16.80	38.19 1.40 -15.19	38.33 1.22 -18.66	39.09 1.30 -18.15	41.03 1.09 -23.87	50.78 1.28 -30.36	83.95 1.23 -64.12	87.23 1.56 -63.30	85.46 1.57 -60.46	82.59 1.48 -58.71	63.32 1.34 -41.35	53.92 1.49 -30.19	41.24 1.06 -23.78	39.74 0.91 -23.06
GLENWOOD____4 23550	33.98 0.39 -27.69	31.26 0.52 -21.37	30.58 0.50 -20.48	29.90 0.48 -19.56	30.43 0.51 -19.02	33.91 0.75 -19.34	42.86 1.59 -16.42	51.46 1.78 -23.13	46.46 1.93 -18.48	41.73 1.85 -15.55	40.66 1.56 -17.80	39.47 1.55 -16.33	39.55 1.33 -19.77	40.57 1.43 -19.49	42.35 1.16 -25.12	51.36 1.38 -30.85	83.92 1.28 -64.03	87.20 1.63 -63.20	85.44 1.64 -60.36	82.58 1.55 -58.63	63.31 1.40 -41.28	54.49 1.58 -30.67	42.16 1.18 -24.59	40.61 1.03 -23.82
GLENWOOD____5 23614	33.98 0.39 -27.69	31.26 0.52 -21.37	30.58 0.50 -20.48	29.90 0.48 -19.56	30.43 0.51 -19.02	33.91 0.75 -19.34	42.86 1.59 -16.42	51.46 1.78 -23.13	46.46 1.93 -18.48	41.73 1.85 -15.55	40.66 1.56 -17.80	39.47 1.55 -16.33	39.55 1.33 -19.77	40.57 1.43 -19.49	42.35 1.16 -25.12	51.36 1.38 -30.85	83.92 1.28 -64.03	87.20 1.63 -63.20	85.44 1.64 -60.36	82.58 1.55 -58.63	63.31 1.40 -41.28	54.49 1.58 -30.67	42.16 1.18 -24.59	40.61 1.03 -23.82
GLOBAL GREEN_PORT_GT1 23814	32.42 0.81 -25.71	31.85 1.12 -21.36	31.18 1.10 -20.47	30.39 0.98 -19.56	31.03 1.11 -19.02	34.77 1.62 -19.33	44.18 3.38 -15.96	53.27 3.64 -23.08	48.32 3.83 -18.44	42.96 3.70 -14.93	40.60 3.02 -16.26	39.14 2.96 -14.59	39.02 2.51 -18.06	39.85 2.77 -17.43	42.10 2.41 -23.62	52.66 2.93 -30.60	85.68 2.96 -64.12	89.38 3.71 -63.30	87.69 3.80 -60.46	84.67 3.56 -58.71	65.19 3.22 -41.35	55.56 3.40 -29.91	42.15 2.43 -23.33	40.55 2.14 -22.63
GLOBE____DSASP 323697	12.39 -0.04 -6.53	14.86 -0.06 -5.54	14.89 -0.03 -5.31	14.86 -0.07 -5.08	15.64 -0.20 -4.94	18.48 -0.36 -5.02	27.84 -1.12 -4.11	30.88 -1.67 -6.00	29.26 -1.59 -4.80	26.40 -1.34 -3.41	23.89 -1.07 -3.65	23.76 -1.08 -3.25	21.51 -1.00 -4.05	22.53 -1.00 -3.89	20.19 -0.87 -4.98	23.23 -1.03 -5.13	25.43 -1.04 -7.87	31.00 -1.50 -10.13	30.84 -1.50 -8.90	28.31 -1.37 -7.28	25.87 -1.20 -6.44	25.80 -1.18 -4.73	20.96 -0.74 -5.30	20.62 -0.30 -5.15
GOETHSLN____LBMP 323567	31.30 0.25 -25.15	31.06 0.34 -21.36	30.39 0.32 -20.47	29.74 0.33 -19.56	30.26 0.34 -19.02	33.62 0.47 -19.33	41.67 0.99 -15.83	50.95 1.27 -23.13	45.91 1.38 -18.48	40.41 1.36 -14.72	38.20 1.13 -15.76	36.73 1.10 -14.03	36.91 0.96 -17.50	37.46 1.04 -16.77	38.42 0.84 -21.52	42.30 1.01 -22.14	53.45 0.89 -33.96	66.68 1.19 -43.13	61.67 1.17 -37.06	54.89 1.08 -31.42	49.39 0.95 -27.81	43.76 1.09 -20.43	40.12 0.84 -22.89	38.66 0.66 -22.23
GOLAH____69_KV_TB 1_2 80279	11.90 0.14 -5.87	14.56 0.21 -4.98	14.60 0.21 -4.78	14.60 0.19 -4.56	15.50 0.16 -4.44	18.51 0.18 -4.51	28.61 0.07 -3.69	31.87 -0.08 -5.40	30.25 -0.10 -4.31	27.40 0.02 -3.05	24.63 0.06 -3.26	24.54 0.04 -2.90	22.07 0.00 -3.62	23.14 0.02 -3.47	20.52 0.00 -4.45	23.68 -0.04 -4.58	25.57 -0.06 -7.03	31.33 -0.09 -9.05	31.32 -0.07 -7.95	28.93 0.02 -6.50	26.40 0.02 -5.75	26.52 0.04 -4.23	21.18 0.05 -4.74	20.64 0.27 -4.60
GOODYEAR_LAKE_HYD 323669	15.19 0.24 -9.06	17.47 0.41 -7.69	17.37 0.38 -7.37	17.28 0.38 -7.05	18.19 0.44 -6.85	21.31 0.53 -6.96	31.67 1.12 -5.70	36.16 1.27 -8.33	33.95 1.25 -6.66	29.93 0.90 -4.70	27.11 0.77 -5.03	26.83 0.76 -4.48	24.69 0.65 -5.59	25.69 0.69 -5.36	23.49 0.55 -6.87	26.88 0.67 -7.07	30.12 0.67 -10.85	37.18 0.85 -13.97	36.65 0.94 -12.27	33.31 0.87 -10.03	30.30 0.78 -8.88	29.59 0.82 -6.52	24.29 0.59 -7.31	23.36 0.49 -7.10
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	16.81 0.12 -10.80	18.74 0.20 -9.17	18.59 0.19 -8.79	18.44 0.19 -8.40	19.25 0.19 -8.16	22.33 0.21 -8.30	31.94 0.30 -6.80	36.80 0.32 -9.93	34.29 0.31 -7.93	30.40 0.39 -5.68	27.75 0.36 -6.09	27.36 0.35 -5.42	25.46 0.26 -6.76	26.44 0.31 -6.48	24.62 0.24 -8.31	27.99 0.31 -8.55	32.01 0.30 -13.11	39.59 0.34 -16.89	38.62 0.35 -14.83	34.89 0.36 -12.13	31.70 0.33 -10.74	30.51 0.38 -7.89	25.54 0.31 -8.84	24.71 0.36 -8.58
GOUDEY____7 23579	16.82 0.12 -10.80	18.74 0.21 -9.17	18.60 0.20 -8.79	18.45 0.20 -8.40	19.26 0.20 -8.16	22.34 0.22 -8.30	31.96 0.32 -6.80	36.83 0.35 -9.93	34.32 0.34 -7.93	30.43 0.41 -5.68	27.78 0.38 -6.09	27.38 0.37 -5.42	25.48 0.28 -6.76	26.46 0.33 -6.48	24.63 0.26 -8.31	28.01 0.33 -8.55	32.03 0.32 -13.11	39.61 0.36 -16.89	38.65 0.37 -14.83	34.91 0.38 -12.13	31.74 0.37 -10.74	30.53 0.40 -7.89	25.56 0.33 -8.84	24.73 0.38 -8.58

GOUDEY___8	16.81	18.74	18.59	18.44	19.25	22.33	31.94	36.80	34.29	30.40	27.75	27.36	25.46	26.44	24.62	27.99	32.01	39.59	38.62	34.89	31.70	30.51	25.54	24.71
23580	0.12	0.20	0.19	0.19	0.19	0.21	0.30	0.32	0.31	0.39	0.36	0.35	0.26	0.31	0.24	0.31	0.30	0.34	0.35	0.36	0.33	0.38	0.31	0.36
	-10.80	-9.17	-8.79	-8.40	-8.16	-8.30	-6.80	-9.93	-7.93	-5.68	-6.09	-5.42	-6.76	-6.48	-8.31	-8.55	-13.11	-16.89	-14.83	-12.13	-10.74	-7.89	-8.84	-8.58
GOWANUS_GT1_1	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24077	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT1_2	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24078	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT1_3	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24079	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT1_4	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24080	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT1_5	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24084	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT1_6	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24111	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT1_7	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24112	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT1_8	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
24113	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23
GOWANUS_GT2_1	31.39	31.20	30.52	29.86	30.41	33.72	41.82	51.09	46.02	40.62	38.34	36.83	37.01	37.56	38.54	42.37	53.65	67.55	63.29	55.13	49.56	43.90	40.29	38.86
24114	0.34	0.47	0.44	0.44	0.49	0.57	1.14	1.46	1.54	1.53	1.24	1.17	1.01	1.10	0.90	1.03	1.00	1.34	1.34	1.23	1.05	1.18	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.07	-18.44	-14.75	-15.80	-14.07	-17.54	-16.82	-21.57	-22.20	-34.04	-43.85	-38.52	-31.50	-27.88	-20.48	-22.95	-22.28
GOWANUS_GT2_2	31.39	31.20	30.52	29.86	30.41	33.72	41.82	51.09	46.02	40.62	38.34	36.83	37.01	37.56	38.54	42.37	53.65	67.55	63.29	55.13	49.56	43.90	40.29	38.86
24115	0.34	0.47	0.44	0.44	0.49	0.57	1.14	1.46	1.54	1.53	1.24	1.17	1.01	1.10	0.90	1.03	1.00	1.34	1.34	1.23	1.05	1.18	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.07	-18.44	-14.75	-15.80	-14.07	-17.54	-16.82	-21.57	-22.20	-34.04	-43.85	-38.52	-31.50	-27.88	-20.48	-22.95	-22.28
GOWANUS_GT2_3	31.39	31.20	30.52	29.86	30.41	33.72	41.82	51.09	46.02	40.62	38.34	36.83	37.01	37.56	38.54	42.37	53.65	67.55	63.29	55.13	49.56	43.90	40.29	38.86
24116	0.34	0.47	0.44	0.44	0.49	0.57	1.14	1.46	1.54	1.53	1.24	1.17	1.01	1.10	0.90	1.03	1.00	1.34	1.34	1.23	1.05	1.18	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.07	-18.44	-14.75	-15.80	-14.07	-17.54	-16.82	-21.57	-22.20	-34.04	-43.85	-38.52	-31.50	-27.88	-20.48	-22.95	-22.28
GOWANUS_GT2_4	31.39	31.20	30.52	29.86	30.41	33.72	41.82	51.09	46.02	40.62	38.34	36.83	37.01	37.56	38.54	42.37	53.65	67.55	63.29	55.13	49.56	43.90	40.29	38.86
24117	0.34	0.47	0.44	0.44	0.49	0.57	1.14	1.46	1.54	1.53	1.24	1.17	1.01	1.10	0.90	1.03	1.00	1.34	1.34	1.23	1.05	1.18	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.07	-18.44	-14.75	-15.80	-14.07	-17.54	-16.82	-21.57	-22.20	-34.04	-43.85	-38.52	-31.50	-27.88	-20.48	-22.95	-22.28
GOWANUS_GT2_5	31.39	31.20	30.52	29.86	30.41	33.72	41.82	51.09	46.02	40.62	38.34	36.83	37.01	37.56	38.54	42.37	53.65	67.55	63.29	55.13	49.56	43.90	40.29	38.86
24118	0.34	0.47	0.44	0.44	0.49	0.57	1.14	1.46	1.54	1.53	1.24	1.17	1.01	1.10	0.90	1.03	1.00	1.34	1.34	1.23	1.05	1.18	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.07	-18.44	-14.75	-15.80	-14.07	-17.54	-16.82	-21.57	-22.20	-34.04	-43.85	-38.52	-31.50	-27.88	-20.48	-22.95	-22.28
GOWANUS_GT2_6	31.39	31.20	30.52	29.86	30.41	33.72	41.82	51.09	46.02	40.62	38.34	36.83	37.01	37.56	38.54	42.37	53.65	67.55	63.29	55.13	49.56	43.90	40.29	38.86
24119	0.34	0.47	0.44	0.44	0.49	0.57	1.14	1.46	1.54	1.53	1.24	1.17	1.01	1.10	0.90	1.03	1.00	1.34	1.34	1.23	1.05	1.18	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.07	-18.44	-14.75	-15.80	-14.07	-17.54	-16.82	-21.57	-22.20	-34.04	-43.85	-38.52	-31.50	-27.88	-20.48	-22.95	-22.28

GOWANUS_GT2_7 24120	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT2_8 24121	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_1 24122	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_2 24123	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_3 24124	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_4 24125	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_5 24126	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_6 24127	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_7 24128	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT3_8 24129	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
GOWANUS_GT4_1 24130	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GOWANUS_GT4_2 24131	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GOWANUS_GT4_3 24132	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GOWANUS_GT4_4 24133	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GOWANUS_GT4_5 24134	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23

GOWANUS_GT4_6 24135	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GOWANUS_GT4_7 24136	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GOWANUS_GT4_8 24137	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GREENBSH_115KV_TB3 55895	36.26 0.07 -30.29	35.20 0.10 -25.72	34.39 0.13 -24.65	33.56 0.15 -23.56	33.97 0.16 -22.91	37.28 0.18 -23.28	44.26 0.35 -19.07	54.70 0.29 -27.86	48.64 0.34 -22.26	42.95 0.32 -18.31	41.23 0.32 -19.61	39.35 0.30 -17.46	40.48 0.26 -21.77	40.79 0.28 -20.87	43.08 0.24 -26.77	46.99 0.31 -27.55	61.14 0.30 -42.24	77.11 0.34 -54.41	71.59 0.35 -47.80	61.84 0.36 -39.08	55.56 0.33 -34.60	47.99 0.33 -25.41	45.06 0.20 -28.47	43.58 0.16 -27.65
GREENDGE_115KV_TB5 80291	13.59 0.15 -7.53	16.01 0.24 -6.40	15.99 0.25 -6.13	15.95 0.24 -5.86	16.85 0.25 -5.70	19.94 0.33 -5.79	30.13 0.55 -4.74	34.52 1.04 -6.93	32.62 1.04 -5.54	29.40 0.95 -4.12	26.55 0.83 -4.41	26.36 0.84 -3.93	23.99 0.65 -4.90	25.09 0.75 -4.70	22.66 0.56 -6.02	26.08 0.75 -6.20	28.91 0.80 -9.51	35.61 1.01 -12.24	35.25 1.05 -10.76	32.20 1.01 -8.79	29.32 0.91 -7.79	28.85 0.89 -5.72	23.44 0.64 -6.41	22.72 0.73 -6.22
GREENIDGE___3 23582	13.59 0.15 -7.53	16.01 0.24 -6.40	15.99 0.25 -6.13	15.95 0.24 -5.86	16.85 0.25 -5.70	19.94 0.33 -5.79	30.13 0.55 -4.74	34.52 1.04 -6.93	32.62 1.04 -5.54	29.40 0.95 -4.12	26.55 0.83 -4.41	26.36 0.84 -3.93	23.99 0.65 -4.90	25.09 0.75 -4.70	22.66 0.56 -6.02	26.08 0.75 -6.20	28.91 0.80 -9.51	35.61 1.01 -12.24	35.25 1.05 -10.76	32.20 1.01 -8.79	29.32 0.91 -7.79	28.85 0.89 -5.72	23.44 0.64 -6.41	22.72 0.73 -6.22
GREENIDGE___4 23583	13.59 0.15 -7.53	16.01 0.24 -6.40	15.99 0.25 -6.13	15.95 0.24 -5.86	16.85 0.25 -5.70	19.94 0.33 -5.79	30.13 0.55 -4.74	34.05 1.03 -6.46	32.25 1.04 -5.16	29.28 0.92 -4.03	26.43 0.81 -4.32	26.28 0.84 -3.84	23.89 0.65 -4.79	24.98 0.75 -4.59	22.52 0.56 -5.89	25.95 0.75 -6.06	28.70 0.80 -9.30	35.35 1.01 -11.98	35.01 1.06 -10.52	32.01 1.01 -8.60	29.15 0.91 -7.61	28.73 0.89 -5.59	23.30 0.64 -6.27	22.58 0.73 -6.09
GREENLWN_69_KV_BK 3 55738	32.16 0.42 -25.84	31.26 0.53 -21.36	30.59 0.51 -20.47	29.87 0.45 -19.56	30.40 0.48 -19.02	33.92 0.77 -19.33	42.57 1.74 -15.99	51.57 1.89 -23.13	46.59 2.06 -18.48	41.24 1.97 -14.94	39.27 1.64 -16.32	37.90 1.64 -14.66	37.98 1.40 -18.12	38.68 1.51 -17.52	40.95 1.21 -23.67	51.14 1.44 -30.57	84.03 1.40 -64.03	87.26 1.70 -63.19	85.53 1.73 -60.36	82.69 1.66 -58.63	63.46 1.55 -41.28	53.80 1.65 -29.91	41.06 1.31 -23.36	39.55 1.12 -22.66
GREENWD_138_KV_38B11_REV_LBMP_J 345004	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.79 1.17 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.32 1.03 -22.15	53.57 1.00 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.03 1.21 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
GRISSOM___SOLAR 323813	42.59 0.47 -36.22	40.85 0.72 -30.76	39.78 0.69 -29.47	38.70 0.68 -28.17	39.07 0.79 -27.39	42.74 1.08 -27.83	49.84 2.19 -22.81	62.65 2.36 -33.74	55.40 2.39 -26.96	48.13 2.14 -21.66	46.36 1.85 -23.20	43.93 1.69 -20.65	45.76 1.55 -25.76	46.03 1.69 -24.69	49.09 1.35 -31.67	53.44 1.70 -32.60	70.39 1.80 -49.98	89.16 2.42 -64.38	82.43 2.44 -56.56	70.84 2.20 -46.24	63.52 1.96 -40.93	54.32 2.00 -30.07	51.38 1.29 -33.69	49.60 1.12 -32.72
GROVEVILLE___HYD 323602	31.56 0.30 -25.36	31.35 0.45 -21.54	30.67 0.42 -20.64	30.00 0.42 -19.72	30.53 0.46 -19.18	33.93 0.62 -19.49	42.08 1.27 -15.97	51.31 1.43 -23.32	46.17 1.48 -18.63	40.54 1.36 -14.84	38.36 1.15 -15.90	36.89 1.14 -14.15	37.13 1.03 -17.65	37.67 1.10 -16.92	38.67 0.90 -21.70	42.56 1.09 -22.34	53.91 1.06 -34.25	67.89 1.41 -44.12	63.65 1.45 -38.76	55.44 1.34 -31.69	49.92 1.24 -28.05	44.21 1.36 -20.61	40.41 0.93 -23.09	38.99 0.80 -22.42
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	11.10 0.04 -5.16	13.82 0.07 -4.38	13.87 0.07 -4.20	13.92 0.06 -4.01	14.87 0.07 -3.90	17.87 0.08 -3.96	28.22 0.12 -3.25	31.46 0.16 -4.74	30.02 0.18 -3.79	27.28 0.22 -2.73	24.41 0.21 -2.89	24.21 0.24 -2.38	21.71 0.18 -3.07	22.68 0.24 -2.80	19.96 0.18 -3.72	23.16 0.23 -3.80	24.82 0.22 -5.99	30.38 0.27 -7.74	30.82 0.26 -7.13	28.13 0.27 -5.46	25.70 0.25 -4.82	25.90 0.22 -3.43	20.65 0.16 -4.09	20.08 0.19 -4.12
HAMLTNNY_34_KV_TB 80303	11.30 0.06 -5.34	14.00 0.10 -4.53	14.05 0.10 -4.34	14.09 0.09 -4.15	15.02 0.09 -4.04	18.05 0.12 -4.10	28.38 0.17 -3.36	31.73 0.27 -4.91	30.26 0.29 -3.92	27.45 0.29 -2.83	24.58 0.28 -3.00	24.39 0.30 -2.49	21.90 0.24 -3.21	22.88 0.29 -2.94	20.18 0.22 -3.89	23.40 0.29 -3.97	25.15 0.30 -6.25	30.82 0.38 -8.07	31.20 0.37 -7.38	28.47 0.36 -5.71	25.98 0.31 -5.04	26.16 0.31 -3.60	20.88 0.23 -4.26	20.29 0.25 -4.27
HAMPSHIRE___PAPER_HYD 323593	7.32 -0.45 -1.87	10.18 -0.78 -1.59	10.36 -0.77 -1.53	10.57 -0.74 -1.46	11.58 -0.74 -1.42	14.43 -0.83 -1.44	24.71 -1.32 -1.18	26.95 -1.14 -1.54	25.53 -1.74 -1.23	23.48 -1.83 -0.97	26.82 -1.68 -7.20	27.90 -1.71 -8.01	26.72 -1.46 -9.72	12.73 -1.71 5.20	8.55 -1.38 6.14	10.34 -1.68 7.11	10.79 -1.58 6.23	13.24 -1.79 7.34	26.85 -1.76 -5.17	12.53 -1.84 8.03	11.50 -1.67 7.46	11.84 -1.85 8.56	12.26 -1.43 2.71	15.86 -1.37 -1.47
HARDSCRABBLE_WT_PWR 323673	6.70 0.00 -0.80	10.08 0.04 -0.68	10.34 0.09 -0.65	10.60 0.13 -0.62	11.68 0.17 -0.60	14.64 0.21 -0.61	25.69 0.35 -0.50	27.42 0.21 -0.65	26.60 0.03 -0.52	24.69 -0.05 -0.41	21.66 -0.08 -0.44	21.86 -0.13 -0.39	18.79 -0.15 -0.49	19.92 -0.20 -0.47	16.53 -0.14 -0.60	19.60 -0.15 -0.62	19.46 -0.09 -0.95	23.52 -0.07 -1.22	24.46 -0.05 -1.07	23.21 -0.07 -0.88	21.34 -0.06 -0.78	22.75 -0.07 -0.57	16.98 -0.05 -0.64	16.33 -0.06 -0.62

HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	29.98 0.27 -23.81	29.98 0.39 -20.22	29.37 0.38 -19.38	28.75 0.38 -18.52	29.31 0.40 -18.00	32.67 0.55 -18.30	40.93 1.09 -14.99	49.72 1.27 -21.90	44.90 1.35 -17.49	39.45 1.27 -13.85	37.21 1.07 -14.83	35.86 1.06 -13.20	35.86 0.94 -16.47	36.45 1.02 -15.79	37.16 0.84 -20.25	40.97 1.00 -20.84	51.53 0.97 -31.96	64.80 1.27 -41.16	60.89 1.29 -36.16	53.16 1.19 -29.57	47.89 1.09 -26.17	42.67 1.20 -19.22	38.79 0.85 -21.54	37.41 0.73 -20.92
HARSNRAD_115KV_TB1 81005	12.46 0.09 -6.47	15.01 0.14 -5.50	15.01 0.13 -5.27	15.01 0.12 -5.04	15.83 0.03 -4.90	18.74 -0.06 -4.98	28.42 -0.50 -4.08	31.55 -0.96 -5.95	29.94 -0.86 -4.76	27.03 -0.68 -3.38	24.43 -0.49 -3.62	24.30 -0.52 -3.22	21.95 -0.52 -4.02	22.99 -0.51 -3.85	20.56 -0.45 -4.94	23.69 -0.54 -5.08	25.86 -0.54 -7.80	31.56 -0.85 -10.04	31.44 -0.82 -8.82	28.90 -0.72 -7.21	26.37 -0.64 -6.38	26.36 -0.58 -4.69	21.34 -0.31 -5.25	20.95 0.08 -5.10
HARZA MOOSE__RIVER 24016	7.83 -0.06 -1.99	10.98 -0.08 -1.69	11.14 -0.10 -1.62	11.31 -0.09 -1.55	12.34 -0.07 -1.51	15.33 -0.03 -1.53	26.25 0.15 -1.26	28.68 0.29 -1.83	27.62 0.10 -1.47	25.38 0.00 -1.05	24.00 -0.04 -2.74	24.39 -0.06 -2.86	21.85 -0.09 -3.49	19.05 -0.14 0.46	15.52 -0.10 0.45	18.37 -0.10 0.67	18.80 0.00 -0.20	22.87 0.07 -0.43	26.98 0.12 -3.43	22.06 0.07 0.41	20.19 0.02 0.46	21.04 -0.07 1.14	16.85 -0.07 -0.52	17.19 -0.16 -1.58
HDSNBRDG_115KV_BRDG_TB1 355580	10.81 0.01 -4.90	13.55 0.02 -4.16	13.61 0.02 -3.98	13.66 0.00 -3.81	14.60 0.00 -3.70	17.59 0.00 -3.76	27.88 -0.05 -3.08	31.00 -0.05 -4.50	29.64 0.00 -3.60	26.93 0.02 -2.58	24.07 0.04 -2.72	23.87 0.06 -2.22	21.39 0.06 -2.88	22.33 0.08 -2.61	19.59 0.05 -3.47	22.76 0.08 -3.55	24.30 0.07 -5.62	29.70 0.07 -7.27	30.24 0.07 -6.73	27.58 0.07 -5.11	25.20 0.06 -4.51	25.48 0.04 -3.19	20.29 0.05 -3.85	19.74 0.08 -3.89
HELLGATE_13_KV_LD 55870	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.57 1.00 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.01 1.19 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.19 0.90 -22.89	38.77 0.77 -22.23
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.26 1.19 -15.76	36.81 1.19 -14.03	36.96 1.01 -17.50	37.52 1.10 -16.78	38.47 0.88 -21.52	42.34 1.05 -22.15	53.57 1.00 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.01 1.19 -31.42	49.49 1.05 -27.81	43.83 1.16 -20.43	40.19 0.90 -22.89	38.77 0.77 -22.23
HEMPSTEAD____ 23647	34.41 0.41 -28.10	31.27 0.53 -21.37	30.60 0.51 -20.48	29.85 0.43 -19.56	30.42 0.50 -19.02	33.92 0.76 -19.34	43.00 1.64 -16.52	51.44 1.81 -23.08	46.47 1.98 -18.44	41.97 1.92 -15.72	41.05 1.58 -18.16	39.90 1.58 -16.73	39.98 1.35 -20.18	41.06 1.45 -19.97	42.92 1.24 -25.61	51.69 1.45 -31.10	84.08 1.36 -64.12	87.40 1.72 -63.31	85.65 1.76 -60.46	82.75 1.63 -58.71	63.48 1.51 -41.35	54.80 1.67 -30.89	42.54 1.23 -24.91	40.98 1.07 -24.13
HEWLETT__69_KV_BK3 55828	41.06 0.48 -34.68	31.43 0.65 -21.41	30.74 0.62 -20.51	30.00 0.58 -19.56	30.54 0.62 -19.02	34.12 0.93 -19.37	44.86 1.96 -18.05	51.78 2.10 -23.13	46.82 2.29 -18.48	44.34 2.17 -17.84	46.45 1.79 -23.36	45.98 1.79 -22.60	46.00 1.55 -25.99	48.22 1.67 -26.91	48.77 1.30 -31.40	53.55 1.55 -32.86	84.18 1.54 -64.03	87.54 1.95 -63.23	85.79 1.99 -60.36	82.89 1.86 -58.63	63.60 1.69 -41.28	57.59 1.82 -33.52	47.03 1.43 -29.21	45.24 1.26 -28.21
HICKLING____1 23621	15.18 0.15 -9.13	17.38 0.26 -7.75	17.30 0.26 -7.43	17.20 0.25 -7.10	18.04 0.24 -6.90	21.12 0.28 -7.02	30.91 0.32 -5.75	35.29 0.35 -8.40	33.12 0.36 -6.71	29.53 0.36 -4.83	26.82 0.34 -5.17	26.52 0.32 -4.61	24.40 0.20 -5.74	25.43 0.28 -5.51	23.31 0.18 -7.06	26.65 0.25 -7.27	29.99 0.24 -11.15	36.99 0.27 -14.36	36.33 0.28 -12.61	33.03 0.31 -10.31	30.07 0.31 -9.13	29.31 0.36 -6.71	24.22 0.31 -7.51	23.52 0.46 -7.30
HICKLING____2 23622	15.18 0.15 -9.13	17.38 0.26 -7.75	17.30 0.26 -7.43	17.20 0.25 -7.10	18.04 0.24 -6.90	21.12 0.28 -7.02	30.91 0.32 -5.75	35.29 0.35 -8.40	33.12 0.36 -6.71	29.53 0.36 -4.83	26.82 0.34 -5.17	26.52 0.32 -4.61	24.40 0.20 -5.74	25.43 0.28 -5.51	23.31 0.18 -7.06	26.65 0.25 -7.27	29.99 0.24 -11.15	36.99 0.27 -14.36	36.33 0.28 -12.61	33.03 0.31 -10.31	30.07 0.31 -9.13	29.31 0.36 -6.71	24.22 0.31 -7.51	23.52 0.46 -7.30
HIGH FALLS____HY 23754	31.51 0.26 -25.35	31.29 0.39 -21.53	30.60 0.37 -20.63	29.93 0.36 -19.72	30.46 0.39 -19.17	33.83 0.53 -19.48	41.92 1.12 -15.96	51.17 1.30 -23.31	46.00 1.33 -18.63	40.38 1.19 -14.85	38.17 0.96 -15.91	36.68 0.93 -14.16	36.98 0.87 -17.66	37.52 0.94 -16.93	38.57 0.79 -21.72	42.29 0.80 -22.35	53.67 0.80 -34.27	67.63 1.12 -44.14	63.39 1.17 -38.78	55.19 1.08 -31.71	49.69 0.99 -28.07	44.11 1.25 -20.62	40.36 0.87 -23.10	38.91 0.71 -22.43
HILLBURN____GT 23639	30.26 0.27 -24.09	30.21 0.38 -20.46	29.59 0.37 -19.61	28.95 0.36 -18.74	29.52 0.40 -18.22	32.88 0.54 -18.51	41.08 1.07 -15.17	49.83 1.27 -22.00	44.98 1.35 -17.58	39.71 1.31 -14.07	37.48 1.11 -15.07	36.09 1.08 -13.42	36.12 0.94 -16.73	36.70 1.02 -16.04	37.48 0.84 -20.57	41.30 0.99 -21.17	52.02 0.95 -32.46	65.41 1.23 -41.82	61.41 1.24 -36.74	53.58 1.14 -30.04	48.27 1.05 -26.59	42.95 1.18 -19.53	39.13 0.85 -21.88	37.73 0.71 -21.25
HILLSIDE_115KV_TB1 80332	15.43 0.08 -9.45	17.53 0.13 -8.02	17.43 0.13 -7.69	17.32 0.12 -7.35	18.14 0.10 -7.15	21.15 0.07 -7.26	30.74 -0.05 -5.95	35.14 -0.11 -8.69	32.91 -0.08 -6.94	29.30 -0.02 -4.99	26.65 0.00 -5.35	26.33 -0.02 -4.76	24.29 -0.09 -5.93	25.30 -0.04 -5.69	23.30 -0.06 -7.30	26.57 -0.08 -7.51	30.03 -0.09 -11.52	37.06 -0.13 -14.83	36.33 -0.14 -13.03	32.95 -0.11 -10.66	30.00 -0.06 -9.43	29.15 -0.02 -6.93	24.21 0.05 -7.76	23.51 0.21 -7.54
HISHELDN_WT_PWR 323625	13.16 0.07 -7.19	15.60 0.13 -6.10	15.58 0.12 -5.85	15.56 0.12 -5.59	16.37 0.03 -5.43	19.30 -0.04 -5.52	28.97 -0.40 -4.52	31.75 -0.72 -5.91	30.09 -0.68 -4.72	27.47 -0.56 -3.70	24.85 -0.43 -3.97	24.67 -0.45 -3.53	22.37 -0.48 -4.40	23.39 -0.47 -4.22	21.07 -0.42 -5.41	24.23 -0.48 -5.57	26.68 -0.46 -8.54	32.68 -0.69 -11.01	32.42 -0.68 -9.67	29.72 -0.58 -7.91	27.13 -0.50 -7.00	26.94 -0.44 -5.14	21.92 -0.23 -5.76	21.46 0.10 -5.59
HOLTSVILLE_IC_1 23690	32.19 0.58 -25.70	31.49 0.77 -21.36	30.82 0.74 -20.47	30.05 0.63 -19.56	30.66 0.74 -19.02	34.27 1.12 -19.33	43.21 2.41 -15.96	52.21 2.57 -23.08	47.25 2.76 -18.44	41.96 2.70 -14.93	39.76 2.20 -16.26	38.33 2.16 -14.58	38.34 1.84 -18.05	39.09 2.02 -17.42	41.44 1.75 -23.61	51.80 2.07 -30.60	84.75 2.03 -64.12	88.24 2.57 -63.30	86.52 2.62 -60.46	83.55 2.44 -58.71	64.19 2.21 -41.35	54.56 2.40 -29.91	41.48 1.75 -23.33	39.93 1.53 -22.63

HOLTSVILLE_IC_10 23699	32.27 0.62 -25.75	31.54 0.81 -21.36	30.87 0.80 -20.47	30.09 0.68 -19.56	30.72 0.80 -19.02	34.34 1.19 -19.33	43.37 2.56 -15.97	52.39 2.76 -23.08	47.40 2.92 -18.44	42.15 2.87 -14.95	39.92 2.32 -16.30	38.50 2.29 -14.62	38.50 1.95 -18.09	39.26 2.14 -17.47	41.59 1.86 -23.65	51.96 2.22 -30.61	84.91 2.19 -64.12	88.44 2.77 -63.30	86.73 2.83 -60.46	83.75 2.64 -58.71	64.37 2.39 -41.35	54.75 2.58 -29.93	41.62 1.87 -23.36	40.05 1.62 -22.66
HOLTSVILLE_IC_2 23691	32.19 0.58 -25.70	31.49 0.77 -21.36	30.82 0.74 -20.47	30.05 0.63 -19.56	30.66 0.74 -19.02	34.27 1.12 -19.33	43.21 2.41 -15.96	52.21 2.57 -23.08	47.25 2.76 -18.44	41.96 2.70 -14.93	39.76 2.20 -16.26	38.33 2.16 -14.58	38.34 1.84 -18.05	39.09 2.02 -17.42	41.44 1.75 -23.61	51.80 2.07 -30.60	84.75 2.03 -64.12	88.24 2.57 -63.30	86.52 2.62 -60.46	83.55 2.44 -58.71	64.19 2.21 -41.35	54.56 2.40 -29.91	41.48 1.75 -23.33	39.93 1.53 -22.63
HOLTSVILLE_IC_3 23692	32.19 0.58 -25.70	31.49 0.77 -21.36	30.82 0.74 -20.47	30.05 0.63 -19.56	30.66 0.74 -19.02	34.27 1.12 -19.33	43.21 2.41 -15.96	52.21 2.57 -23.08	47.25 2.76 -18.44	41.96 2.70 -14.93	39.76 2.20 -16.26	38.33 2.16 -14.58	38.34 1.84 -18.05	39.09 2.02 -17.42	41.44 1.75 -23.61	51.80 2.07 -30.60	84.75 2.03 -64.12	88.24 2.57 -63.30	86.52 2.62 -60.46	83.55 2.44 -58.71	64.19 2.21 -41.35	54.56 2.40 -29.91	41.48 1.75 -23.33	39.93 1.53 -22.63
HOLTSVILLE_IC_4 23693	32.19 0.58 -25.70	31.49 0.77 -21.36	30.82 0.74 -20.47	30.05 0.63 -19.56	30.66 0.74 -19.02	34.27 1.12 -19.33	43.21 2.41 -15.96	52.21 2.57 -23.08	47.25 2.76 -18.44	41.96 2.70 -14.93	39.76 2.20 -16.26	38.33 2.16 -14.58	38.34 1.84 -18.05	39.09 2.02 -17.42	41.44 1.75 -23.61	51.80 2.07 -30.60	84.75 2.03 -64.12	88.24 2.57 -63.30	86.52 2.62 -60.46	83.55 2.44 -58.71	64.19 2.21 -41.35	54.56 2.40 -29.91	41.48 1.75 -23.33	39.93 1.53 -22.63
HOLTSVILLE_IC_5 23694	32.19 0.58 -25.70	31.49 0.77 -21.36	30.82 0.74 -20.47	30.05 0.63 -19.56	30.66 0.74 -19.02	34.27 1.12 -19.33	43.21 2.41 -15.96	52.21 2.57 -23.08	47.25 2.76 -18.44	41.96 2.70 -14.93	39.76 2.20 -16.26	38.33 2.16 -14.58	38.34 1.84 -18.05	39.09 2.02 -17.42	41.44 1.75 -23.61	51.80 2.07 -30.60	84.75 2.03 -64.12	88.24 2.57 -63.30	86.52 2.62 -60.46	83.55 2.44 -58.71	64.19 2.21 -41.35	54.56 2.40 -29.91	41.48 1.75 -23.33	39.93 1.53 -22.63
HOLTSVILLE_IC_6 23695	32.27 0.62 -25.75	31.54 0.81 -21.36	30.87 0.80 -20.47	30.09 0.68 -19.56	30.72 0.80 -19.02	34.34 1.19 -19.33	43.37 2.56 -15.97	52.39 2.76 -23.08	47.40 2.92 -18.44	42.15 2.87 -14.95	39.92 2.32 -16.30	38.50 2.29 -14.62	38.50 1.95 -18.09	39.26 2.14 -17.47	41.59 1.86 -23.65	51.96 2.22 -30.61	84.91 2.19 -64.12	88.44 2.77 -63.30	86.73 2.83 -60.46	83.75 2.64 -58.71	64.37 2.39 -41.35	54.75 2.58 -29.93	41.62 1.87 -23.36	40.05 1.62 -22.66
HOLTSVILLE_IC_7 23696	32.27 0.62 -25.75	31.54 0.81 -21.36	30.87 0.80 -20.47	30.09 0.68 -19.56	30.72 0.80 -19.02	34.34 1.19 -19.33	43.37 2.56 -15.97	52.39 2.76 -23.08	47.40 2.92 -18.44	42.15 2.87 -14.95	39.92 2.32 -16.30	38.50 2.29 -14.62	38.50 1.95 -18.09	39.26 2.14 -17.47	41.59 1.86 -23.65	51.96 2.22 -30.61	84.91 2.19 -64.12	88.44 2.77 -63.30	86.73 2.83 -60.46	83.75 2.64 -58.71	64.37 2.39 -41.35	54.75 2.58 -29.93	41.62 1.87 -23.36	40.05 1.62 -22.66
HOLTSVILLE_IC_8 23697	32.27 0.62 -25.75	31.54 0.81 -21.36	30.87 0.80 -20.47	30.09 0.68 -19.56	30.72 0.80 -19.02	34.34 1.19 -19.33	43.37 2.56 -15.97	52.39 2.76 -23.08	47.40 2.92 -18.44	42.15 2.87 -14.95	39.92 2.32 -16.30	38.50 2.29 -14.62	38.50 1.95 -18.09	39.26 2.14 -17.47	41.59 1.86 -23.65	51.96 2.22 -30.61	84.91 2.19 -64.12	88.44 2.77 -63.30	86.73 2.83 -60.46	83.75 2.64 -58.71	64.37 2.39 -41.35	54.75 2.58 -29.93	41.62 1.87 -23.36	40.05 1.62 -22.66
HOLTSVILLE_IC_9 23698	32.27 0.62 -25.75	31.54 0.81 -21.36	30.87 0.80 -20.47	30.09 0.68 -19.56	30.72 0.80 -19.02	34.34 1.19 -19.33	43.37 2.56 -15.97	52.39 2.76 -23.08	47.40 2.92 -18.44	42.15 2.87 -14.95	39.92 2.32 -16.30	38.50 2.29 -14.62	38.50 1.95 -18.09	39.26 2.14 -17.47	41.59 1.86 -23.65	51.96 2.22 -30.61	84.91 2.19 -64.12	88.44 2.77 -63.30	86.73 2.83 -60.46	83.75 2.64 -58.71	64.37 2.39 -41.35	54.75 2.58 -29.93	41.62 1.87 -23.36	40.05 1.62 -22.66
HOMER_HL_115KV_TB2 355744	13.13 0.03 -7.20	15.52 0.04 -6.11	15.49 0.02 -5.86	15.46 0.01 -5.60	16.27 -0.08 -5.44	19.16 -0.19 -5.53	28.78 -0.60 -4.53	32.32 -0.85 -6.62	30.53 -0.81 -5.29	27.42 -0.68 -3.77	24.81 -0.53 -4.04	24.56 -0.63 -3.59	22.29 -0.65 -4.48	23.31 -0.63 -4.30	21.04 -0.55 -5.51	24.16 -0.65 -5.67	26.61 -0.69 -8.70	32.65 -0.92 -11.21	32.34 -0.94 -9.84	29.62 -0.83 -8.05	27.03 -0.72 -7.12	26.88 -0.60 -5.23	21.91 -0.34 -5.86	21.42 -0.05 -5.69
HOWARD_WT_PWR 323690	14.03 0.15 -7.98	16.40 0.25 -6.78	16.37 0.26 -6.50	16.33 0.27 -6.21	17.18 0.24 -6.04	20.25 0.29 -6.14	30.19 0.32 -5.03	33.48 0.27 -6.66	31.63 0.26 -5.32	28.70 0.22 -4.16	25.93 0.17 -4.45	25.69 0.13 -3.96	23.37 -0.02 -4.94	24.42 0.04 -4.74	22.15 0.00 -6.08	25.49 0.10 -6.25	28.32 0.13 -9.59	34.87 0.16 -12.35	34.47 0.19 -10.85	31.45 0.18 -8.87	28.71 0.23 -7.85	28.26 0.25 -5.77	23.07 0.21 -6.46	22.49 0.44 -6.28
HQ_GEN_CEDARS 23644	6.38 -0.65 -1.13	9.16 -1.17 -0.96	9.40 -1.13 -0.92	9.67 -1.06 -0.88	10.71 -1.05 -0.86	13.52 -1.17 -0.87	23.57 -1.99 -0.71	25.84 -1.75 -1.04	24.12 -2.76 -0.83	22.05 -2.87 -0.59	27.86 -2.64 -9.20	27.86 -2.63 -8.90	27.86 -2.20 -11.61	6.11 -2.55 10.98	1.65 -2.11 12.31	2.52 -2.56 14.05	2.70 -2.51 13.39	3.36 -2.95 16.05	25.83 -2.95 -5.35	2.96 -3.09 16.35	2.83 -2.72 15.08	2.80 -3.00 16.45	7.68 -2.28 6.43	14.57 -2.10 -0.90
HQ_GEN_CEDARS_PROXY 323590	6.38 -0.66 -1.13	9.16 -1.17 -0.96	9.40 -1.13 -0.92	9.67 -1.06 -0.88	10.71 -1.05 -0.86	13.52 -1.18 -0.87	23.57 -1.99 -0.71	25.73 -1.75 -0.93	24.03 -2.76 -0.74	22.04 -2.87 -0.58	27.85 -2.64 -9.19	27.85 -2.64 -8.89	27.85 -2.20 -11.60	6.10 -2.55 10.99	1.64 -2.10 12.32	2.51 -2.56 14.06	2.68 -2.51 13.41	3.33 -2.95 16.08	25.81 -2.95 -5.33	2.94 -3.09 16.37	2.81 -2.72 15.10	2.78 -3.00 16.46	7.67 -2.28 6.44	14.56 -2.10 -0.88
HQ_GEN_IMPORT 323601	5.90 0.00 0.00	9.37 0.00 0.00	9.61 0.00 0.00	9.85 0.00 0.00	10.90 0.00 0.00	13.82 0.00 0.00	24.84 0.00 0.00	26.55 0.00 0.00	26.05 0.00 0.00	24.33 0.00 0.00	21.31 0.00 0.00	21.59 0.00 0.00	18.45 0.00 0.00	19.65 0.00 0.00	16.07 0.00 0.00	19.14 0.00 0.00	18.60 0.00 0.00	22.36 0.00 0.00	23.44 0.00 0.00	22.40 0.00 0.00	20.63 0.00 0.00	22.24 0.00 0.00	16.39 0.00 0.00	15.77 0.00 0.00
HQ_GEN_WHEEL 23651	5.90 0.00 0.00	9.37 0.00 0.00	9.61 0.00 0.00	9.85 0.00 0.00	10.90 0.00 0.00	13.82 0.00 0.00	24.84 0.00 0.00	26.55 0.00 0.00	26.05 0.00 0.00	24.33 0.00 0.00	21.31 0.00 0.00	21.59 0.00 0.00	18.45 0.00 0.00	19.65 0.00 0.00	16.07 0.00 0.00	19.14 0.00 0.00	18.60 0.00 0.00	22.36 0.00 0.00	23.44 0.00 0.00	22.40 0.00 0.00	20.63 0.00 0.00	22.24 0.00 0.00	16.39 0.00 0.00	15.77 0.00 0.00

HUDSON AVE_GT_3 23810	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.83	51.09 1.41 -23.13	46.06 1.54 -18.48	40.53 1.48 -14.72	38.30 1.24 -15.76	36.83 1.21 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.77	38.50 0.92 -21.52	42.39 1.11 -22.14	53.58 1.02 -33.96	67.44 1.34 -43.74	63.20 1.34 -38.42	55.05 1.23 -31.42	49.55 1.11 -27.81	43.90 1.22 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23
HUDSON AVE_GT_4 23540	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.83	51.09 1.41 -23.13	46.06 1.54 -18.48	40.53 1.48 -14.72	38.30 1.24 -15.76	36.83 1.21 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.77	38.50 0.92 -21.52	42.39 1.11 -22.14	53.58 1.02 -33.96	67.44 1.34 -43.74	63.20 1.34 -38.42	55.05 1.23 -31.42	49.55 1.11 -27.81	43.90 1.22 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23
HUDSON AVE_GT_5 23657	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.83	51.09 1.41 -23.13	46.06 1.54 -18.48	40.53 1.48 -14.72	38.30 1.24 -15.76	36.83 1.21 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.77	38.50 0.92 -21.52	42.39 1.11 -22.14	53.58 1.02 -33.96	67.44 1.34 -43.74	63.20 1.34 -38.42	55.05 1.23 -31.42	49.55 1.11 -27.81	43.90 1.22 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23
HUDSON_AVE_10 24168	31.31 0.26 -25.15	31.08 0.36 -21.36	30.41 0.34 -20.47	29.76 0.34 -19.56	30.28 0.36 -19.02	33.65 0.50 -19.33	41.75 1.07 -15.83	51.01 1.33 -23.13	45.98 1.46 -18.48	40.46 1.41 -14.72	38.22 1.15 -15.76	36.75 1.12 -14.03	36.93 0.98 -17.50	37.48 1.06 -16.77	38.44 0.85 -21.52	42.31 1.03 -22.14	53.53 0.97 -33.96	67.38 1.27 -43.74	63.13 1.27 -38.42	54.98 1.16 -31.42	49.47 1.03 -27.81	43.83 1.16 -20.43	40.15 0.87 -22.89	38.69 0.69 -22.23
HUDSON___115KV_TB 4 355613	35.62 0.23 -29.49	34.77 0.36 -25.04	33.97 0.37 -24.00	33.17 0.38 -22.94	33.62 0.41 -22.30	37.01 0.53 -22.66	44.43 1.02 -18.57	54.50 0.82 -27.12	48.58 0.86 -21.67	42.76 0.68 -17.75	40.91 0.60 -19.01	39.08 0.56 -16.92	40.09 0.54 -21.10	40.45 0.57 -20.23	42.50 0.48 -25.95	46.49 0.65 -26.71	60.28 0.73 -40.95	76.10 0.98 -52.75	70.83 1.05 -46.34	61.28 0.99 -37.89	55.08 0.91 -33.54	47.77 0.89 -24.64	44.51 0.51 -27.60	43.03 0.46 -26.80
HUNTER MOUNT___DRP 323613	34.99 0.27 -28.83	34.26 0.41 -24.48	33.49 0.42 -23.46	32.72 0.44 -22.42	33.19 0.49 -21.80	36.58 0.61 -22.15	44.19 1.19 -18.15	53.97 0.90 -26.51	48.12 0.89 -21.18	42.29 0.68 -17.28	40.39 0.58 -18.51	38.61 0.54 -16.48	39.53 0.54 -20.55	39.91 0.57 -19.70	41.84 0.50 -25.27	45.81 0.67 -26.00	59.24 0.76 -39.88	74.82 1.10 -51.36	69.73 1.17 -45.12	60.39 1.10 -36.89	54.30 1.01 -32.66	47.19 0.96 -23.99	43.80 0.52 -26.88	42.36 0.49 -26.10
HUNTINGTON_RES_REC 323705	32.23 0.55 -25.78	31.45 0.72 -21.36	30.77 0.69 -20.47	30.00 0.58 -19.56	30.60 0.68 -19.02	34.19 1.04 -19.33	43.08 2.26 -15.98	52.07 2.44 -23.08	47.12 2.63 -18.44	41.87 2.58 -14.96	39.72 2.09 -16.32	38.32 2.07 -14.65	38.33 1.75 -18.12	39.08 1.93 -17.51	41.42 1.67 -23.68	51.74 1.99 -30.61	84.69 1.97 -64.12	88.15 2.48 -63.30	86.45 2.55 -60.46	83.51 2.40 -58.71	64.14 2.17 -41.35	54.50 2.31 -29.94	41.46 1.69 -23.38	39.90 1.45 -22.68
HUNTLEY___63 23557	12.60 0.11 -6.60	15.15 0.18 -5.60	15.16 0.18 -5.37	15.14 0.16 -5.13	15.95 0.07 -4.99	18.88 -0.01 -5.07	28.60 -0.40 -4.15	31.80 -0.82 -6.07	30.16 -0.73 -4.85	27.22 -0.56 -3.44	24.61 -0.38 -3.69	24.47 -0.41 -3.28	22.12 -0.42 -4.10	23.18 -0.39 -3.93	20.74 -0.37 -5.04	23.88 -0.44 -5.18	26.10 -0.45 -7.95	31.86 -0.74 -10.24	31.73 -0.70 -8.99	29.15 -0.60 -7.35	26.60 -0.54 -6.51	26.56 -0.47 -4.78	21.51 -0.25 -5.36	21.11 0.14 -5.20
HUNTLEY___64 23558	12.60 0.11 -6.60	15.15 0.18 -5.60	15.16 0.18 -5.37	15.14 0.16 -5.13	15.95 0.07 -4.99	18.88 -0.01 -5.07	28.60 -0.40 -4.15	31.80 -0.82 -6.07	30.16 -0.73 -4.85	27.22 -0.56 -3.44	24.61 -0.38 -3.69	24.47 -0.41 -3.28	22.12 -0.42 -4.10	23.18 -0.39 -3.93	20.74 -0.37 -5.04	23.88 -0.44 -5.18	26.10 -0.45 -7.95	31.86 -0.74 -10.24	31.73 -0.70 -8.99	29.15 -0.60 -7.35	26.60 -0.54 -6.51	26.56 -0.47 -4.78	21.51 -0.25 -5.36	21.11 0.14 -5.20
HUNTLEY___65 23559	12.60 0.11 -6.60	15.15 0.18 -5.60	15.16 0.18 -5.37	15.14 0.16 -5.13	15.95 0.07 -4.99	18.88 -0.01 -5.07	28.60 -0.40 -4.15	31.80 -0.82 -6.07	30.16 -0.73 -4.85	27.22 -0.56 -3.44	24.61 -0.38 -3.69	24.47 -0.41 -3.28	22.12 -0.42 -4.10	23.18 -0.39 -3.93	20.74 -0.37 -5.04	23.88 -0.44 -5.18	26.10 -0.45 -7.95	31.86 -0.74 -10.24	31.73 -0.70 -8.99	29.15 -0.60 -7.35	26.60 -0.54 -6.51	26.56 -0.47 -4.78	21.51 -0.25 -5.36	21.11 0.14 -5.20
HUNTLEY___66 23560	12.60 0.11 -6.60	15.15 0.18 -5.60	15.16 0.18 -5.37	15.14 0.16 -5.13	15.95 0.07 -4.99	18.88 -0.01 -5.07	28.60 -0.40 -4.15	31.80 -0.82 -6.07	30.16 -0.73 -4.85	27.22 -0.56 -3.44	24.61 -0.38 -3.69	24.47 -0.41 -3.28	22.12 -0.42 -4.10	23.18 -0.39 -3.93	20.74 -0.37 -5.04	23.88 -0.44 -5.18	26.10 -0.45 -7.95	31.86 -0.74 -10.24	31.73 -0.70 -8.99	29.15 -0.60 -7.35	26.60 -0.54 -6.51	26.56 -0.47 -4.78	21.51 -0.25 -5.36	21.11 0.14 -5.20
HUNTLEY___67 23561	12.65 0.07 -6.68	15.15 0.11 -5.67	15.16 0.12 -5.43	15.13 0.09 -5.19	15.95 0.00 -5.05	18.86 -0.10 -5.13	28.50 -0.55 -4.20	31.68 -1.01 -6.14	30.04 -0.91 -4.91	27.07 -0.75 -3.49	24.49 -0.55 -3.74	24.34 -0.58 -3.33	22.03 -0.57 -4.15	23.07 -0.55 -3.98	20.69 -0.48 -5.10	23.79 -0.59 -5.25	26.06 -0.60 -8.05	31.82 -0.92 -10.37	31.66 -0.89 -9.11	29.07 -0.78 -7.45	26.54 -0.68 -6.59	26.47 -0.62 -4.84	21.48 -0.34 -5.43	21.09 0.05 -5.27
HUNTLEY___68 23562	12.65 0.07 -6.68	15.15 0.11 -5.67	15.16 0.12 -5.43	15.13 0.09 -5.19	15.95 0.00 -5.05	18.86 -0.10 -5.13	28.50 -0.55 -4.20	31.68 -1.01 -6.14	30.04 -0.91 -4.91	27.07 -0.75 -3.49	24.49 -0.55 -3.74	24.34 -0.58 -3.33	22.03 -0.57 -4.15	23.07 -0.55 -3.98	20.69 -0.48 -5.10	23.79 -0.59 -5.25	26.06 -0.60 -8.05	31.82 -0.92 -10.37	31.66 -0.89 -9.11	29.07 -0.78 -7.45	26.54 -0.68 -6.59	26.47 -0.62 -4.84	21.48 -0.34 -5.43	21.09 0.05 -5.27
HYLAND___LFGE 323620	13.32 0.33 -7.09	15.91 0.52 -6.02	15.91 0.54 -5.77	15.89 0.53 -5.51	16.79 0.53 -5.36	19.97 0.70 -5.44	30.55 1.24 -4.46	33.73 1.33 -5.85	31.79 1.07 -4.68	28.85 0.85 -3.66	25.81 0.58 -3.92	25.54 0.45 -3.49	22.88 0.07 -4.36	24.13 0.31 -4.18	21.77 0.34 -5.36	25.19 0.54 -5.51	27.78 0.72 -8.45	34.44 1.18 -10.89	34.39 1.38 -9.57	31.57 1.34 -7.82	28.77 1.22 -6.92	28.55 1.22 -5.09	22.96 0.87 -5.70	22.28 0.98 -5.53
INDECK___CORINTH 23802	37.58 0.41 -31.27	36.53 0.61 -26.55	35.66 0.61 -25.45	34.78 0.61 -24.32	35.19 0.64 -23.64	38.74 0.89 -24.03	46.22 1.69 -19.69	57.89 1.78 -29.55	51.48 1.82 -23.61	44.83 1.61 -18.89	42.87 1.32 -20.24	40.97 1.36 -18.02	42.08 1.16 -22.47	42.42 1.24 -21.54	44.63 0.93 -27.63	48.01 0.44 -28.43	62.68 0.48 -43.60	79.24 0.72 -56.16	73.50 0.73 -49.33	63.34 0.61 -40.34	56.87 0.54 -35.71	48.94 0.47 -26.23	46.11 0.33 -29.39	45.33 1.02 -28.54

INDECK___ILION 23567	6.71 0.01 -0.80	10.08 0.04 -0.68	10.31 0.05 -0.65	10.54 0.07 -0.62	11.59 0.09 -0.60	14.55 0.11 -0.61	25.57 0.22 -0.50	27.50 0.21 -0.73	26.74 0.10 -0.59	24.80 0.05 -0.42	21.77 0.02 -0.45	22.01 0.02 -0.40	18.95 0.00 -0.50	20.10 -0.02 -0.48	16.66 -0.02 -0.61	19.77 0.00 -0.63	19.58 0.02 -0.96	23.65 0.04 -1.24	24.60 0.07 -1.09	23.34 0.04 -0.89	21.46 0.04 -0.79	22.87 0.04 -0.58	17.07 0.03 -0.65	16.40 0.00 -0.63
INDECK___OLEAN 23982	13.13 0.03 -7.20	15.52 0.04 -6.11	15.49 0.02 -5.86	15.46 0.01 -5.60	16.27 -0.08 -5.44	19.16 -0.19 -5.53	28.78 -0.60 -4.53	31.61 -0.85 -5.91	29.96 -0.81 -4.72	27.33 -0.71 -3.70	24.72 -0.55 -3.97	24.50 -0.63 -3.53	22.21 -0.65 -4.40	23.24 -0.63 -4.22	20.92 -0.56 -5.41	24.04 -0.67 -5.57	26.46 -0.69 -8.54	32.43 -0.94 -11.00	32.17 -0.94 -9.67	29.45 -0.85 -7.90	26.90 -0.72 -7.00	26.76 -0.62 -5.14	21.81 -0.35 -5.76	21.31 -0.05 -5.59
INDECK___OSWEGO 23783	10.18 -0.07 -4.35	12.95 -0.11 -3.69	13.03 -0.11 -3.54	13.11 -0.13 -3.38	14.05 -0.14 -3.29	16.99 -0.18 -3.34	27.21 -0.37 -2.74	29.74 -0.40 -3.59	28.55 -0.36 -2.87	26.25 -0.34 -2.26	23.86 -0.28 -2.83	23.94 -0.28 -2.63	21.47 -0.24 -3.26	21.57 -0.23 -2.16	18.68 -0.19 -2.81	21.74 -0.23 -2.84	23.06 -0.20 -4.66	28.17 -0.25 -6.05	29.26 -0.26 -6.08	26.32 -0.25 -4.16	24.06 -0.23 -3.66	24.46 -0.27 -2.48	19.45 -0.18 -3.24	19.03 -0.16 -3.42
INDECK___YERKES 23781	12.61 0.11 -6.60	15.16 0.19 -5.60	15.17 0.19 -5.37	15.16 0.18 -5.13	15.97 0.08 -4.99	18.89 0.00 -5.07	28.62 -0.37 -4.15	31.16 -0.80 -5.40	29.66 -0.70 -4.32	27.16 -0.56 -3.39	24.55 -0.38 -3.63	24.46 -0.37 -3.23	22.07 -0.41 -4.03	23.13 -0.37 -3.86	20.67 -0.35 -4.95	23.81 -0.42 -5.10	25.99 -0.43 -7.82	31.70 -0.74 -10.07	31.58 -0.70 -8.85	29.03 -0.60 -7.23	26.52 -0.51 -6.40	26.48 -0.47 -4.70	21.43 -0.23 -5.27	21.04 0.16 -5.12
INDIAN POINT_GT_1 24139	31.08 0.26 -24.92	30.91 0.37 -21.17	30.25 0.36 -20.28	29.59 0.35 -19.39	30.13 0.38 -18.85	33.50 0.53 -19.15	41.61 1.07 -15.69	50.72 1.25 -22.92	45.72 1.35 -18.31	40.19 1.29 -14.57	38.00 1.09 -15.61	36.54 1.06 -13.89	36.70 0.92 -17.33	37.26 1.00 -16.61	38.20 0.82 -21.31	42.04 0.98 -21.93	53.15 0.93 -33.62	66.90 1.23 -43.31	62.70 1.22 -38.05	54.63 1.12 -31.11	49.20 1.03 -27.54	43.63 1.16 -20.23	39.89 0.84 -22.66	38.47 0.69 -22.01
INDIAN POINT_GT_2 23659	31.08 0.26 -24.92	30.91 0.37 -21.17	30.25 0.36 -20.28	29.59 0.35 -19.39	30.13 0.38 -18.85	33.50 0.53 -19.15	41.61 1.07 -15.69	50.72 1.25 -22.92	45.72 1.35 -18.31	40.19 1.29 -14.57	38.00 1.09 -15.61	36.54 1.06 -13.89	36.70 0.92 -17.33	37.26 1.00 -16.61	38.20 0.82 -21.31	42.04 0.98 -21.93	53.15 0.93 -33.62	66.90 1.23 -43.31	62.70 1.22 -38.05	54.63 1.12 -31.11	49.20 1.03 -27.54	43.63 1.16 -20.23	39.89 0.84 -22.66	38.47 0.69 -22.01
INDIAN POINT_GT_3 24019	31.08 0.26 -24.92	30.91 0.37 -21.17	30.25 0.36 -20.28	29.59 0.35 -19.39	30.13 0.38 -18.85	33.50 0.53 -19.15	41.61 1.07 -15.69	50.72 1.25 -22.92	45.72 1.35 -18.31	40.19 1.29 -14.57	38.00 1.09 -15.61	36.54 1.06 -13.89	36.70 0.92 -17.33	37.26 1.00 -16.61	38.20 0.82 -21.31	42.04 0.98 -21.93	53.15 0.93 -33.62	66.90 1.23 -43.31	62.70 1.22 -38.05	54.63 1.12 -31.11	49.20 1.03 -27.54	43.63 1.16 -20.23	39.89 0.84 -22.66	38.47 0.69 -22.01
INDIAN POINT___2 23530	30.78 0.26 -24.62	30.64 0.37 -20.91	30.00 0.36 -20.03	29.35 0.35 -19.15	29.90 0.38 -18.62	33.25 0.51 -18.92	41.39 1.04 -15.50	50.34 1.25 -22.54	45.38 1.33 -18.01	40.03 1.29 -14.41	37.81 1.06 -15.44	36.39 1.06 -13.74	36.49 0.90 -17.13	37.05 0.98 -16.43	37.94 0.80 -21.07	41.80 0.98 -21.68	52.76 0.91 -33.25	66.40 1.21 -42.83	62.26 1.19 -37.63	54.29 1.12 -30.76	48.87 1.01 -27.23	43.38 1.13 -20.00	39.63 0.82 -22.41	38.21 0.68 -21.76
INDIAN POINT___3 23531	31.10 0.26 -24.94	30.92 0.37 -21.18	30.26 0.36 -20.29	29.61 0.36 -19.40	30.14 0.38 -18.86	33.51 0.53 -19.16	41.59 1.04 -15.70	50.73 1.25 -22.93	45.70 1.33 -18.32	40.18 1.27 -14.58	37.99 1.07 -15.62	36.55 1.06 -13.90	36.71 0.92 -17.34	37.25 0.98 -16.62	38.19 0.80 -21.32	42.05 0.98 -21.94	53.16 0.91 -33.64	66.88 1.19 -43.33	62.70 1.20 -38.07	54.62 1.10 -31.12	49.19 1.01 -27.55	43.62 1.13 -20.24	39.89 0.82 -22.68	38.47 0.68 -22.02
INGHAM_C_115KV_TB7 356103	6.76 0.06 -0.80	10.17 0.12 -0.68	10.42 0.16 -0.65	10.67 0.20 -0.62	11.74 0.24 -0.60	14.74 0.30 -0.61	25.87 0.52 -0.50	27.74 0.45 -0.73	26.89 0.26 -0.59	24.92 0.17 -0.42	21.86 0.11 -0.45	22.08 0.09 -0.40	18.98 0.04 -0.50	20.14 0.02 -0.48	16.71 0.03 -0.61	19.80 0.04 -0.63	19.66 0.09 -0.96	23.76 0.16 -1.24	24.71 0.19 -1.09	23.45 0.16 -0.89	21.54 0.12 -0.79	22.98 0.16 -0.58	17.17 0.13 -0.65	16.49 0.09 -0.63
IP CORINTH___1 23988	37.58 0.41 -31.27	36.53 0.61 -26.55	35.66 0.61 -25.45	34.78 0.61 -24.32	35.19 0.64 -23.64	38.74 0.88 -24.03	46.22 1.69 -19.69	57.09 1.78 -28.76	50.85 1.82 -22.98	44.79 1.61 -18.85	42.82 1.32 -20.19	40.93 1.36 -17.97	42.03 1.16 -22.41	42.37 1.24 -21.49	44.56 0.93 -27.56	48.04 0.54 -28.36	62.69 0.60 -43.49	79.24 0.85 -56.02	73.50 0.84 -49.22	63.38 0.74 -40.24	56.91 0.66 -35.62	49.01 0.60 -26.17	46.14 0.43 -29.32	45.26 1.03 -28.47
IP___TICONDEROGA 23804	37.77 0.64 -31.23	36.84 0.96 -26.52	35.96 0.94 -25.41	35.07 0.93 -24.29	35.54 1.02 -23.61	39.23 1.41 -24.00	47.24 2.73 -19.66	58.14 2.87 -28.72	51.94 2.94 -22.95	45.83 2.68 -18.83	43.77 2.30 -20.16	41.81 2.27 -17.95	42.79 1.96 -22.38	43.17 2.06 -21.46	45.22 1.62 -27.53	48.98 1.51 -28.33	63.66 1.62 -43.44	80.55 2.24 -55.95	74.86 2.27 -49.15	64.61 2.02 -40.19	58.02 1.82 -35.57	50.13 1.76 -26.13	46.84 1.16 -29.28	45.81 1.61 -28.43
ISLIP_RES_REC 323679	32.33 0.64 -25.78	31.59 0.86 -21.36	30.91 0.84 -20.47	30.13 0.72 -19.56	30.76 0.84 -19.02	34.41 1.26 -19.33	43.51 2.68 -15.98	52.53 2.89 -23.08	47.56 3.07 -18.44	42.28 2.99 -14.96	40.08 2.45 -16.32	38.64 2.40 -14.65	38.62 2.05 -18.12	39.41 2.26 -17.50	41.71 1.96 -23.68	52.08 2.33 -30.61	85.06 2.34 -64.12	88.62 2.95 -63.30	86.89 3.00 -60.46	83.91 2.80 -58.71	64.51 2.54 -41.35	54.90 2.71 -29.94	41.74 1.97 -23.38	40.15 1.70 -22.68
JAMAICA__27_KV_LOAD 355505	31.30 0.25 -25.15	31.07 0.35 -21.36	30.40 0.33 -20.47	29.74 0.33 -19.56	30.27 0.35 -19.02	33.65 0.50 -19.33	41.80 1.12 -15.83	51.11 1.43 -23.13	46.09 1.56 -18.48	40.55 1.51 -14.72	38.20 1.13 -15.76	36.75 1.12 -14.03	36.91 0.96 -17.50	37.46 1.04 -16.77	38.44 0.85 -21.52	42.31 1.03 -22.14	53.56 1.00 -33.96	67.44 1.34 -43.74	63.20 1.34 -38.42	55.05 1.23 -31.42	49.53 1.09 -27.81	43.85 1.18 -20.43	40.22 0.93 -22.89	38.72 0.73 -22.23
JANIS___SOLAR 323808	15.55 0.28 -9.37	17.80 0.48 -7.96	17.70 0.47 -7.62	17.60 0.46 -7.29	18.53 0.54 -7.08	21.74 0.72 -7.20	32.23 1.49 -5.90	36.02 1.72 -7.75	33.83 1.59 -6.19	30.44 1.53 -4.58	27.47 1.26 -4.90	27.23 1.27 -4.36	24.94 1.05 -5.44	26.00 1.14 -5.22	23.71 0.95 -6.69	27.25 1.23 -6.89	30.50 1.34 -10.56	37.67 1.70 -13.60	37.17 1.78 -11.95	33.88 1.70 -9.77	30.78 1.51 -8.65	30.09 1.49 -6.35	24.59 1.08 -7.12	23.65 0.96 -6.91

JARVIS____ 23743	6.66 -0.04 -0.80	9.99 -0.06 -0.68	10.20 -0.06 -0.65	10.42 -0.05 -0.62	11.46 -0.04 -0.60	14.38 -0.06 -0.61	25.27 -0.07 -0.50	27.13 -0.08 -0.65	26.47 -0.10 -0.52	24.62 -0.12 -0.41	21.62 -0.13 -0.44	21.86 -0.13 -0.39	18.83 -0.11 -0.49	19.98 -0.14 -0.47	16.56 -0.11 -0.60	19.62 -0.13 -0.62	19.44 -0.11 -0.95	23.45 -0.13 -1.22	24.37 -0.14 -1.07	23.15 -0.13 -0.88	21.28 -0.12 -0.78	22.68 -0.13 -0.57	16.93 -0.10 -0.64	16.28 -0.11 -0.62
JENNISON____1 23625	17.50 0.31 -11.29	19.50 0.54 -9.58	19.32 0.53 -9.18	19.16 0.53 -8.78	20.03 0.60 -8.53	23.27 0.77 -8.67	33.56 1.61 -7.11	38.76 1.83 -10.38	36.08 1.75 -8.29	32.33 2.07 -5.93	29.41 1.75 -6.35	29.02 1.77 -5.66	26.96 1.46 -7.05	27.96 1.55 -6.76	26.04 1.30 -8.67	29.63 1.57 -8.93	33.94 1.66 -13.69	42.05 2.06 -17.63	41.10 2.18 -15.49	37.13 2.06 -12.66	33.65 1.82 -11.21	32.30 1.82 -8.23	26.98 1.36 -9.23	25.90 1.17 -8.96
JENNISON____2 23626	17.50 0.31 -11.29	19.50 0.54 -9.58	19.32 0.53 -9.18	19.16 0.53 -8.78	20.03 0.60 -8.53	23.27 0.77 -8.67	33.56 1.61 -7.11	38.76 1.83 -10.38	36.08 1.75 -8.29	32.33 2.07 -5.93	29.41 1.75 -6.35	29.02 1.77 -5.66	26.96 1.46 -7.05	27.96 1.55 -6.76	26.04 1.30 -8.67	29.63 1.57 -8.93	33.94 1.66 -13.69	42.05 2.06 -17.63	41.10 2.18 -15.49	37.13 2.06 -12.66	33.65 1.82 -11.21	32.30 1.82 -8.23	26.98 1.36 -9.23	25.90 1.17 -8.96
JERICHO_RISE_WT_PWR 323719	6.16 -0.80 -1.06	8.82 -1.45 -0.90	9.08 -1.39 -0.86	9.37 -1.31 -0.83	10.46 -1.24 -0.80	13.27 -1.37 -0.82	23.20 -2.31 -0.67	25.30 -2.13 -0.87	23.51 -3.23 -0.70	21.40 -3.48 -0.55	9.89 -3.32 8.10	-5.02 -3.37 23.25	-5.02 -2.82 20.64	-0.42 -3.22 16.84	0.50 -2.65 12.91	1.25 -3.16 14.73	1.44 -3.07 14.09	1.83 -3.62 16.91	18.74 -3.63 1.07	1.50 -3.74 17.16	1.46 -3.34 15.82	1.34 -3.69 17.21	6.81 -2.79 6.80	14.06 -2.54 -0.83
KATONAH____115KV_46KV_TB4 355592	31.64 0.29 -25.45	31.40 0.41 -21.62	30.71 0.38 -20.71	30.04 0.39 -19.80	30.56 0.41 -19.25	33.95 0.57 -19.56	42.06 1.19 -16.03	51.40 1.43 -23.41	46.26 1.51 -18.70	40.65 1.41 -14.91	38.45 1.17 -15.97	36.96 1.14 -14.22	37.22 1.03 -17.73	37.74 1.10 -17.00	38.78 0.90 -21.81	42.67 1.09 -22.44	54.07 1.06 -34.41	68.14 1.45 -44.32	63.85 1.48 -38.94	55.56 1.32 -31.84	50.03 1.22 -28.18	44.30 1.36 -20.70	40.52 0.93 -23.20	39.07 0.77 -22.52
KCE_NY_1 323755	37.41 0.32 -31.18	36.35 0.50 -26.48	35.48 0.50 -25.38	34.61 0.50 -24.25	35.03 0.54 -23.58	38.53 0.75 -23.96	45.87 1.39 -19.63	57.46 1.43 -29.47	51.08 1.48 -23.55	44.51 1.34 -18.84	42.66 1.17 -20.18	40.72 1.17 -17.97	41.85 1.00 -22.40	42.18 1.06 -21.48	44.47 0.85 -27.55	48.37 0.88 -28.35	62.97 0.89 -43.48	79.51 1.14 -56.00	73.81 1.17 -49.20	63.73 1.10 -40.23	57.25 1.01 -35.61	49.42 1.02 -26.16	46.39 0.69 -29.31	45.06 0.84 -28.46
KCE_NY_6_ESR 323823	12.83 0.11 -6.82	15.34 0.18 -5.79	15.32 0.16 -5.55	15.32 0.16 -5.31	16.13 0.07 -5.16	19.07 0.00 -5.24	28.79 -0.35 -4.30	31.43 -0.72 -5.59	29.89 -0.63 -4.47	27.32 -0.51 -3.51	24.72 -0.34 -3.76	24.57 -0.37 -3.34	22.21 -0.41 -4.17	23.27 -0.37 -4.00	20.84 -0.35 -5.13	23.99 -0.42 -5.28	26.28 -0.41 -8.09	32.09 -0.69 -10.42	31.94 -0.66 -9.16	29.33 -0.56 -7.49	26.78 -0.47 -6.63	26.69 -0.42 -4.87	21.65 -0.20 -5.45	21.24 0.17 -5.30
KEDC_PORT_JEFF_GT2 24210	32.24 0.61 -25.74	31.53 0.81 -21.36	30.85 0.78 -20.47	30.08 0.66 -19.56	30.70 0.77 -19.02	34.32 1.17 -19.33	43.32 2.51 -15.97	52.34 2.71 -23.08	47.35 2.87 -18.44	42.09 2.82 -14.94	39.89 2.30 -16.28	38.45 2.25 -14.61	38.45 1.92 -18.08	39.20 2.10 -17.45	41.54 1.83 -23.64	51.92 2.18 -30.60	84.88 2.16 -64.12	88.39 2.73 -63.30	86.68 2.79 -60.46	83.71 2.60 -58.71	64.33 2.35 -41.35	54.68 2.51 -29.92	41.58 1.84 -23.35	40.01 1.59 -22.65
KEDC_PORT_JEFF_GT3 24211	32.24 0.61 -25.74	31.53 0.81 -21.36	30.85 0.78 -20.47	30.08 0.66 -19.56	30.70 0.77 -19.02	34.32 1.17 -19.33	43.32 2.51 -15.97	52.34 2.71 -23.08	47.35 2.87 -18.44	42.09 2.82 -14.94	39.89 2.30 -16.28	38.45 2.25 -14.61	38.45 1.92 -18.08	39.20 2.10 -17.45	41.54 1.83 -23.64	51.92 2.18 -30.60	84.88 2.16 -64.12	88.39 2.73 -63.30	86.68 2.79 -60.46	83.71 2.60 -58.71	64.33 2.35 -41.35	54.68 2.51 -29.92	41.58 1.84 -23.35	40.01 1.59 -22.65
KEDC_GLWD_GT4 24219	33.98 0.39 -27.69	31.26 0.52 -21.37	30.58 0.50 -20.48	29.87 0.45 -19.56	30.43 0.51 -19.02	33.91 0.75 -19.34	42.86 1.59 -16.42	51.41 1.78 -23.08	46.41 1.93 -18.44	41.79 1.87 -15.58	40.72 1.58 -17.84	39.51 1.56 -16.36	39.60 1.33 -19.82	40.63 1.45 -19.53	42.45 1.21 -25.18	51.48 1.44 -30.90	84.02 1.30 -64.12	87.33 1.65 -63.31	85.58 1.69 -60.46	82.68 1.57 -58.71	63.40 1.42 -41.35	54.61 1.65 -30.72	42.23 1.20 -24.64	40.67 1.02 -23.88
KEDC_GLWD_GT5 24220	33.98 0.39 -27.69	31.26 0.52 -21.37	30.58 0.50 -20.48	29.87 0.45 -19.56	30.43 0.51 -19.02	33.91 0.75 -19.34	42.86 1.59 -16.42	51.41 1.78 -23.08	46.41 1.93 -18.44	41.79 1.87 -15.58	40.72 1.58 -17.84	39.51 1.56 -16.36	39.60 1.33 -19.82	40.63 1.45 -19.53	42.45 1.21 -25.18	51.48 1.44 -30.90	84.02 1.30 -64.12	87.33 1.65 -63.31	85.58 1.69 -60.46	82.68 1.57 -58.71	63.40 1.42 -41.35	54.61 1.65 -30.72	42.23 1.20 -24.64	40.67 1.02 -23.88
KENSICO____ 23655	31.28 0.28 -25.11	31.08 0.39 -21.32	30.41 0.37 -20.43	29.76 0.38 -19.53	30.29 0.40 -18.98	33.67 0.55 -19.29	41.77 1.12 -15.81	50.97 1.33 -23.09	45.93 1.43 -18.45	40.38 1.36 -14.69	38.19 1.15 -15.73	36.74 1.14 -14.00	36.91 1.00 -17.46	37.45 1.06 -16.74	38.41 0.87 -21.48	42.29 1.05 -22.10	53.48 0.99 -33.89	67.29 1.27 -43.65	63.08 1.29 -38.35	54.95 1.19 -31.36	49.48 1.09 -27.76	43.84 1.20 -20.39	40.11 0.87 -22.85	38.68 0.73 -22.18
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	30.28 0.26 -24.12	30.24 0.38 -20.48	29.59 0.36 -19.63	28.97 0.35 -18.76	29.52 0.38 -18.24	32.89 0.53 -18.54	41.13 1.09 -15.19	50.01 1.27 -22.18	45.07 1.30 -17.73	39.55 1.17 -14.05	37.30 0.94 -15.05	35.90 0.91 -13.40	36.01 0.85 -16.71	36.59 0.92 -16.02	37.39 0.77 -20.55	41.03 0.75 -21.15	51.79 0.76 -32.43	65.21 1.07 -41.77	61.26 1.12 -36.69	53.43 1.03 -30.00	48.14 0.95 -26.56	43.00 1.25 -19.51	39.10 0.85 -21.86	37.70 0.71 -21.23
KIAC_JFK_GT1 23816	31.28 0.24 -25.15	31.04 0.32 -21.36	30.38 0.31 -20.47	29.72 0.31 -19.56	30.23 0.32 -19.02	33.62 0.47 -19.33	41.72 1.04 -15.83	51.03 1.35 -23.13	46.01 1.48 -18.48	40.48 1.44 -14.72	38.13 1.07 -15.76	36.68 1.06 -14.03	36.85 0.90 -17.50	37.40 0.98 -16.77	38.39 0.80 -21.52	42.26 0.98 -22.14	53.49 0.93 -33.96	67.35 1.25 -43.74	63.10 1.24 -38.42	54.96 1.14 -31.42	49.45 1.01 -27.81	43.76 1.09 -20.43	40.17 0.89 -22.89	38.67 0.68 -22.23
KIAC_JFK_GT2 23817	31.28 0.24 -25.15	31.04 0.32 -21.36	30.38 0.31 -20.47	29.72 0.31 -19.56	30.23 0.32 -19.02	33.62 0.47 -19.33	41.72 1.04 -15.83	51.03 1.35 -23.13	46.01 1.48 -18.48	40.48 1.44 -14.72	38.13 1.07 -15.76	36.68 1.06 -14.03	36.85 0.90 -17.50	37.40 0.98 -16.77	38.39 0.80 -21.52	42.26 0.98 -22.14	53.49 0.93 -33.96	67.35 1.25 -43.74	63.10 1.24 -38.42	54.96 1.14 -31.42	49.45 1.01 -27.81	43.76 1.09 -20.43	40.17 0.89 -22.89	38.67 0.68 -22.23

KIAC_JFK____ 323774	31.28 0.24 -25.15	31.04 0.32 -21.36	30.38 0.31 -20.47	29.71 0.30 -19.56	30.23 0.32 -19.02	33.62 0.47 -19.33	41.72 1.04 -15.83	50.98 1.35 -23.07	45.97 1.48 -18.44	40.54 1.46 -14.75	38.17 1.06 -15.80	36.72 1.06 -14.07	36.90 0.90 -17.54	37.44 0.98 -16.82	38.44 0.80 -21.57	42.29 0.96 -22.20	53.57 0.93 -34.04	67.46 1.25 -43.85	63.20 1.24 -38.52	55.04 1.14 -31.49	49.50 0.99 -27.88	43.83 1.11 -20.48	40.22 0.88 -22.95	38.73 0.68 -22.28
KINTIGH____ 23543	12.14 0.08 -6.16	14.73 0.13 -5.23	14.76 0.13 -5.01	14.76 0.12 -4.79	15.60 0.04 -4.66	18.53 -0.03 -4.73	28.35 -0.37 -3.88	31.45 -0.77 -5.67	29.84 -0.73 -4.53	26.98 -0.56 -3.21	24.34 -0.40 -3.44	24.24 -0.41 -3.06	21.86 -0.41 -3.82	22.93 -0.37 -3.66	20.43 -0.34 -4.69	23.55 -0.42 -4.83	25.56 -0.45 -7.41	31.21 -0.69 -9.54	31.14 -0.68 -8.38	28.67 -0.58 -6.85	26.18 -0.52 -6.07	26.23 -0.47 -4.46	21.16 -0.23 -4.99	20.71 0.09 -4.85
KNTFSRNC_46_KV_46KV_LOAD 80397	6.21 -0.72 -1.03	8.92 -1.33 -0.88	9.17 -1.28 -0.84	9.47 -1.18 -0.80	10.59 -1.09 -0.78	13.46 -1.16 -0.80	23.61 -1.89 -0.65	25.88 -1.62 -0.95	23.97 -2.84 -0.76	21.76 -3.11 -0.54	11.22 -3.00 7.08	-2.81 -2.92 21.49	-2.84 -2.45 18.84	0.04 -2.85 16.76	0.52 -2.43 13.12	1.28 -2.89 14.96	1.48 -2.79 14.33	1.87 -3.29 17.20	19.50 -3.23 0.70	1.53 -3.43 17.44	1.52 -3.03 16.08	1.36 -3.40 17.48	6.88 -2.59 6.92	14.25 -2.33 -0.82
LACHUTE____HYDRO 323717	37.77 0.64 -31.23	36.84 0.96 -26.52	35.96 0.94 -25.41	35.08 0.94 -24.29	35.54 1.02 -23.61	39.23 1.41 -24.00	47.24 2.73 -19.66	58.94 2.87 -29.52	52.57 2.94 -23.58	45.88 2.68 -18.87	43.82 2.30 -20.21	41.85 2.27 -17.99	42.84 1.95 -22.44	43.22 2.06 -21.51	45.28 1.62 -27.59	49.04 1.51 -28.39	63.76 1.62 -43.54	80.68 2.24 -56.08	74.98 2.27 -49.27	64.70 2.02 -40.28	58.10 1.82 -35.66	50.19 1.76 -26.19	46.91 1.16 -29.35	45.88 1.61 -28.50
LAWRNCV_115KV_TB1 80681	6.58 -0.65 -1.33	9.35 -1.15 -1.13	9.57 -1.12 -1.08	9.83 -1.05 -1.04	10.85 -1.06 -1.01	13.64 -1.20 -1.02	23.64 -2.04 -0.84	25.97 -1.81 -1.22	24.26 -2.76 -0.98	22.21 -2.82 -0.70	28.46 -2.58 -9.73	29.64 -2.59 -10.64	29.36 -2.18 -13.09	8.01 -2.53 9.10	3.33 -2.09 10.65	4.35 -2.60 12.19	4.61 -2.53 11.46	5.68 -2.97 13.71	26.16 -2.98 -5.70	5.20 -3.09 14.11	4.86 -2.74 13.03	4.94 -2.98 14.33	8.70 -2.26 5.43	14.74 -2.08 -1.05
LEDERLE____ 23769	30.50 0.29 -24.31	30.43 0.41 -20.65	29.80 0.40 -19.79	29.17 0.40 -18.91	29.71 0.43 -18.39	33.09 0.58 -18.69	41.30 1.14 -15.31	50.27 1.35 -22.36	45.37 1.46 -17.87	39.87 1.36 -14.18	37.66 1.17 -15.19	36.25 1.14 -13.52	36.30 1.00 -16.86	36.89 1.08 -16.16	37.68 0.88 -20.73	41.52 1.05 -21.33	52.32 1.00 -32.71	65.80 1.30 -42.14	61.77 1.31 -37.02	53.88 1.21 -30.27	48.53 1.11 -26.79	43.17 1.25 -19.68	39.35 0.90 -22.05	37.94 0.76 -21.41
LIGHTHSE_115KV_TB6 355974	9.91 -0.07 -4.08	12.73 -0.10 -3.46	12.80 -0.12 -3.32	12.90 -0.13 -3.17	13.86 -0.13 -3.09	16.82 -0.14 -3.14	27.24 -0.17 -2.57	30.15 -0.16 -3.75	28.81 -0.23 -3.00	26.21 -0.27 -2.14	24.33 -0.23 -3.26	24.51 -0.24 -3.15	22.10 -0.24 -3.89	20.85 -0.26 -1.46	17.83 -0.19 -1.95	20.79 -0.23 -1.88	22.07 -0.15 -3.62	27.00 -0.13 -4.77	29.33 -0.12 -6.01	25.29 -0.11 -3.00	23.10 -0.12 -2.60	23.49 -0.18 -1.43	18.94 -0.13 -2.67	18.85 -0.16 -3.24
LINDEN COGEN____ 23786	31.30 0.25 -25.15	31.06 0.34 -21.36	30.39 0.32 -20.47	29.72 0.31 -19.56	30.26 0.34 -19.02	33.60 0.46 -19.33	41.67 0.99 -15.83	50.87 1.25 -23.07	45.86 1.38 -18.44	40.44 1.36 -14.75	38.21 1.11 -15.80	36.76 1.10 -14.07	36.93 0.94 -17.54	37.48 1.02 -16.82	38.48 0.84 -21.57	42.33 0.99 -22.20	53.54 0.89 -34.04	66.18 1.18 -42.63	60.40 1.17 -35.79	54.97 1.08 -31.49	49.46 0.95 -27.88	43.81 1.09 -20.48	40.16 0.82 -22.95	38.71 0.66 -22.28
LINDHRST_69_KV_BK1 356055	33.02 0.56 -26.56	31.47 0.74 -21.36	30.80 0.72 -20.47	30.09 0.67 -19.56	30.64 0.72 -19.02	34.23 1.08 -19.33	43.31 2.31 -16.16	52.15 2.47 -23.13	47.19 2.66 -18.48	42.01 2.51 -15.18	40.29 2.09 -16.90	39.00 2.09 -15.31	39.01 1.79 -18.77	39.86 1.93 -18.29	41.92 1.56 -24.29	51.75 1.88 -30.74	84.48 1.84 -64.03	87.89 2.33 -63.20	86.19 2.39 -60.36	83.27 2.24 -58.63	63.95 2.04 -41.28	54.63 2.18 -30.21	41.92 1.69 -23.84	40.36 1.48 -23.11
LIPA_MISC_IPP 23656	32.22 0.61 -25.71	31.53 0.81 -21.36	30.86 0.79 -20.47	30.13 0.72 -19.56	30.70 0.77 -19.02	34.32 1.17 -19.33	43.34 2.53 -15.96	52.39 2.71 -23.13	47.42 2.89 -18.48	41.95 2.73 -14.90	39.79 2.26 -16.22	38.39 2.25 -14.55	38.38 1.92 -18.01	39.11 2.08 -17.39	41.36 1.72 -23.57	51.77 2.09 -30.54	84.70 2.06 -64.03	88.15 2.59 -63.19	86.47 2.67 -60.36	83.52 2.49 -58.63	64.18 2.27 -41.28	54.49 2.38 -29.86	41.52 1.85 -23.28	39.96 1.61 -22.58
LISF____SOLAR 323691	32.24 0.62 -25.72	31.55 0.82 -21.36	30.88 0.81 -20.47	30.10 0.69 -19.56	30.72 0.80 -19.02	34.35 1.20 -19.33	43.39 2.58 -15.96	52.42 2.79 -23.08	47.43 2.94 -18.44	42.14 2.87 -14.94	39.92 2.34 -16.27	38.47 2.29 -14.59	38.45 1.94 -18.06	39.22 2.14 -17.44	41.56 1.86 -23.63	51.97 2.24 -30.60	84.93 2.21 -64.12	88.48 2.82 -63.30	86.75 2.86 -60.46	83.80 2.69 -58.71	64.39 2.41 -41.35	54.76 2.60 -29.92	41.62 1.88 -23.34	40.05 1.64 -22.64
LITTLE FALLS____HYD 24013	6.76 0.06 -0.80	10.17 0.12 -0.68	10.42 0.16 -0.65	10.67 0.20 -0.62	11.74 0.24 -0.60	14.74 0.30 -0.61	25.87 0.52 -0.50	27.74 0.45 -0.73	26.89 0.26 -0.59	24.92 0.17 -0.42	21.86 0.11 -0.45	22.08 0.09 -0.40	18.98 0.04 -0.50	20.14 0.02 -0.48	16.71 0.03 -0.61	19.80 0.04 -0.63	19.66 0.09 -0.96	23.76 0.16 -1.24	24.71 0.19 -1.09	23.45 0.16 -0.89	21.54 0.12 -0.79	22.98 0.16 -0.58	17.17 0.13 -0.65	16.49 0.09 -0.63
LITTLRIV_115KV_TB1 356100	6.66 -0.61 -1.36	9.45 -1.08 -1.16	9.67 -1.05 -1.11	9.93 -0.99 -1.06	10.96 -0.97 -1.03	13.81 -1.06 -1.05	23.96 -1.74 -0.86	26.37 -1.43 -1.25	24.60 -2.45 -1.00	22.47 -2.58 -0.71	28.76 -2.36 -9.82	30.14 -2.38 -10.92	29.79 -1.99 -13.33	8.49 -2.36 8.80	3.74 -1.94 10.38	4.84 -2.41 11.88	5.11 -2.34 11.15	6.34 -2.71 13.32	26.52 -2.67 -5.76	5.83 -2.82 13.75	5.44 -2.50 12.69	5.51 -2.76 13.98	9.03 -2.10 5.26	14.88 -1.97 -1.08
LI_NEWBRDGE____DRP 323616	31.58 0.42 -25.25	31.27 0.54 -21.35	30.58 0.51 -20.46	29.88 0.46 -19.56	30.42 0.50 -19.02	33.92 0.77 -19.32	42.41 1.71 -15.86	51.52 1.83 -23.13	46.56 2.03 -18.48	41.02 1.95 -14.75	38.76 1.60 -15.86	37.35 1.62 -14.14	37.44 1.38 -17.61	38.02 1.47 -16.90	40.41 1.16 -23.18	50.95 1.38 -30.44	83.95 1.32 -64.03	87.21 1.65 -63.19	85.48 1.69 -60.36	82.62 1.59 -58.63	63.35 1.44 -41.28	53.50 1.58 -29.68	40.65 1.28 -22.97	39.18 1.12 -22.29
LOCKPORT_115KV_TB60_63_64 80432	12.43 0.09 -6.45	14.98 0.14 -5.47	15.00 0.14 -5.25	14.98 0.12 -5.01	15.81 0.03 -4.87	18.72 -0.06 -4.95	28.43 -0.47 -4.06	31.55 -0.93 -5.93	29.92 -0.86 -4.74	27.04 -0.66 -3.36	24.42 -0.49 -3.60	24.30 -0.50 -3.21	21.95 -0.50 -4.00	22.99 -0.49 -3.83	20.55 -0.43 -4.92	23.68 -0.52 -5.06	25.84 -0.52 -7.76	31.55 -0.81 -9.99	31.44 -0.77 -8.78	28.89 -0.69 -7.18	26.39 -0.60 -6.35	26.36 -0.56 -4.67	21.33 -0.30 -5.23	20.94 0.09 -5.08

LOCKPORT___CC1 323769	12.46 0.09 -6.47	15.01 0.14 -5.50	15.01 0.13 -5.27	15.02 0.13 -5.04	15.83 0.03 -4.90	18.74 -0.06 -4.98	28.45 -0.47 -4.08	30.89 -0.95 -5.30	29.39 -0.89 -4.23	26.92 -0.73 -3.32	24.35 -0.51 -3.56	24.24 -0.52 -3.17	21.89 -0.52 -3.95	22.92 -0.51 -3.79	20.48 -0.45 -4.86	23.60 -0.54 -5.00	25.73 -0.54 -7.67	31.37 -0.87 -9.88	31.27 -0.84 -8.68	28.76 -0.74 -7.10	26.27 -0.64 -6.28	26.26 -0.60 -4.61	21.25 -0.31 -5.17	20.87 0.08 -5.02
LOCKPORT___CC2 323770	12.46 0.09 -6.47	15.01 0.14 -5.50	15.01 0.13 -5.27	15.02 0.13 -5.04	15.83 0.03 -4.90	18.74 -0.06 -4.98	28.45 -0.47 -4.08	30.89 -0.95 -5.30	29.39 -0.89 -4.23	26.92 -0.73 -3.32	24.35 -0.51 -3.56	24.24 -0.52 -3.17	21.89 -0.52 -3.95	22.92 -0.51 -3.79	20.48 -0.45 -4.86	23.60 -0.54 -5.00	25.73 -0.54 -7.67	31.37 -0.87 -9.88	31.27 -0.84 -8.68	28.76 -0.74 -7.10	26.27 -0.64 -6.28	26.26 -0.60 -4.61	21.25 -0.31 -5.17	20.87 0.08 -5.02
LOCKPORT___CC3 323771	12.46 0.09 -6.47	15.01 0.14 -5.50	15.01 0.13 -5.27	15.02 0.13 -5.04	15.83 0.03 -4.90	18.74 -0.06 -4.98	28.45 -0.47 -4.08	30.89 -0.95 -5.30	29.39 -0.89 -4.23	26.92 -0.73 -3.32	24.35 -0.51 -3.56	24.24 -0.52 -3.17	21.89 -0.52 -3.95	22.92 -0.51 -3.79	20.48 -0.45 -4.86	23.60 -0.54 -5.00	25.73 -0.54 -7.67	31.37 -0.87 -9.88	31.27 -0.84 -8.68	28.76 -0.74 -7.10	26.27 -0.64 -6.28	26.26 -0.60 -4.61	21.25 -0.31 -5.17	20.87 0.08 -5.02
LONG_LAKE_PHOENIX 24014	10.37 -0.04 -4.51	13.14 -0.06 -3.83	13.22 -0.06 -3.67	13.29 -0.07 -3.51	14.22 -0.09 -3.41	17.19 -0.10 -3.47	27.46 -0.22 -2.84	30.46 -0.24 -4.15	29.15 -0.21 -3.31	26.53 -0.17 -2.37	24.02 -0.13 -2.85	24.10 -0.11 -2.62	21.61 -0.09 -3.25	21.95 -0.08 -2.38	19.07 -0.08 -3.08	22.19 -0.08 -3.13	23.57 -0.07 -5.04	28.83 -0.07 -6.53	29.66 -0.09 -6.32	26.89 -0.07 -4.55	24.56 -0.08 -4.01	24.93 -0.11 -2.79	19.80 -0.07 -3.47	19.30 -0.05 -3.58
LOVETT___3 23632	30.55 0.26 -24.40	30.45 0.37 -20.72	29.82 0.36 -19.85	29.18 0.35 -18.97	29.73 0.38 -18.45	33.08 0.51 -18.75	41.22 1.02 -15.36	50.21 1.22 -22.44	45.28 1.30 -17.93	39.80 1.24 -14.23	37.59 1.04 -15.24	36.20 1.04 -13.57	36.26 0.89 -16.92	36.83 0.96 -16.22	37.66 0.79 -20.81	41.51 0.96 -21.41	52.33 0.89 -32.83	65.82 1.16 -42.29	61.76 1.17 -37.15	53.85 1.08 -30.38	48.51 0.99 -26.89	43.11 1.11 -19.75	39.33 0.80 -22.13	37.94 0.68 -21.49
LOVETT___4 23642	30.55 0.26 -24.40	30.45 0.37 -20.72	29.82 0.36 -19.85	29.18 0.35 -18.97	29.73 0.38 -18.45	33.08 0.51 -18.75	41.22 1.02 -15.36	50.21 1.22 -22.44	45.28 1.30 -17.93	39.80 1.24 -14.23	37.59 1.04 -15.24	36.20 1.04 -13.57	36.26 0.89 -16.92	36.83 0.96 -16.22	37.66 0.79 -20.81	41.51 0.96 -21.41	52.33 0.89 -32.83	65.82 1.16 -42.29	61.76 1.17 -37.15	53.85 1.08 -30.38	48.51 0.99 -26.89	43.11 1.11 -19.75	39.33 0.80 -22.13	37.94 0.68 -21.49
LOVETT___5 23593	30.55 0.26 -24.40	30.45 0.37 -20.72	29.82 0.36 -19.85	29.18 0.35 -18.97	29.73 0.38 -18.45	33.08 0.51 -18.75	41.22 1.02 -15.36	50.21 1.22 -22.44	45.28 1.30 -17.93	39.80 1.24 -14.23	37.59 1.04 -15.24	36.20 1.04 -13.57	36.26 0.89 -16.92	36.83 0.96 -16.22	37.66 0.79 -20.81	41.51 0.96 -21.41	52.33 0.89 -32.83	65.82 1.16 -42.29	61.76 1.17 -37.15	53.85 1.08 -30.38	48.51 0.99 -26.89	43.11 1.11 -19.75	39.33 0.80 -22.13	37.94 0.68 -21.49
LOWER_RAQUET___HYD 24057	6.65 -0.65 -1.39	9.41 -1.14 -1.18	9.63 -1.11 -1.13	9.88 -1.05 -1.08	10.89 -1.07 -1.05	13.69 -1.20 -1.07	23.66 -2.06 -0.88	25.89 -1.81 -1.15	24.18 -2.79 -0.92	22.23 -2.82 -0.72	28.64 -2.56 -9.89	30.20 -2.57 -11.18	29.84 -2.16 -13.55	8.59 -2.53 8.52	3.84 -2.09 10.14	4.93 -2.60 11.61	5.18 -2.55 10.87	6.40 -2.97 12.99	26.25 -2.98 -5.79	5.89 -3.09 13.42	5.49 -2.74 12.40	5.62 -2.96 13.67	9.02 -2.25 5.12	14.79 -2.07 -1.09
LOWER___HUDSON 24059	36.77 0.21 -30.67	35.73 0.32 -26.04	34.89 0.33 -24.96	34.04 0.34 -23.85	34.46 0.37 -23.19	37.90 0.51 -23.57	45.12 0.97 -19.31	56.51 0.95 -29.00	50.21 0.99 -23.17	43.77 0.90 -18.54	41.97 0.81 -19.85	40.11 0.84 -17.67	41.19 0.70 -22.04	41.52 0.75 -21.13	43.78 0.61 -27.10	47.72 0.69 -27.89	62.06 0.69 -42.77	78.24 0.78 -55.09	72.68 0.84 -48.40	62.78 0.81 -39.57	56.40 0.74 -35.03	48.75 0.78 -25.73	45.76 0.54 -28.83	44.32 0.55 -27.99
LOWVILLE_115KV_TB2 356335	7.92 -0.14 -2.16	10.98 -0.22 -1.84	11.13 -0.24 -1.76	11.31 -0.23 -1.68	12.33 -0.21 -1.63	15.29 -0.19 -1.66	26.11 -0.10 -1.36	28.59 0.05 -1.99	27.40 -0.23 -1.59	25.10 -0.36 -1.14	24.66 -0.38 -3.73	25.16 -0.41 -3.98	22.92 -0.39 -4.86	17.89 -0.47 1.29	14.27 -0.37 1.43	16.94 -0.40 1.80	17.48 -0.28 0.84	21.34 -0.22 0.80	27.32 -0.16 -4.04	20.47 -0.22 1.71	18.73 -0.25 1.65	19.39 -0.38 2.47	16.12 -0.31 -0.04	17.09 -0.39 -1.71
LUTHERFT_115KV_GLOB_FND_222 355753	37.41 0.32 -31.18	36.34 0.49 -26.48	35.47 0.49 -25.38	34.60 0.49 -24.25	35.03 0.55 -23.58	38.52 0.73 -23.96	45.87 1.39 -19.63	56.66 1.43 -28.68	50.42 1.46 -22.91	44.44 1.31 -18.80	42.59 1.15 -20.14	40.68 1.17 -17.92	41.80 1.00 -22.35	42.13 1.06 -21.43	44.41 0.85 -27.49	48.29 0.86 -28.29	62.87 0.89 -43.38	79.35 1.12 -55.87	73.69 1.17 -49.08	63.61 1.08 -40.13	57.14 0.99 -35.53	49.34 1.00 -26.10	46.30 0.67 -29.24	44.98 0.82 -28.39
LUTHERNY_35_KV_BK2 355980	37.41 0.32 -31.18	36.35 0.50 -26.48	35.48 0.50 -25.38	34.61 0.50 -24.25	35.03 0.55 -23.58	38.53 0.75 -23.96	45.87 1.39 -19.63	56.66 1.43 -28.68	50.45 1.48 -22.91	44.47 1.34 -18.80	42.61 1.17 -20.14	40.68 1.17 -17.92	41.80 1.00 -22.35	42.13 1.06 -21.43	44.41 0.85 -27.49	48.31 0.88 -28.29	62.87 0.89 -43.38	79.38 1.14 -55.87	73.72 1.20 -49.08	63.63 1.10 -40.13	57.17 1.01 -35.53	49.36 1.02 -26.10	46.32 0.69 -29.24	45.00 0.84 -28.39
LWR___OSWEGATCHIE_HYD 23850	7.32 -0.45 -1.87	10.18 -0.78 -1.59	10.37 -0.77 -1.53	10.57 -0.74 -1.46	11.58 -0.74 -1.42	14.43 -0.83 -1.44	24.71 -1.32 -1.18	27.13 -1.14 -1.72	25.68 -1.75 -1.38	23.49 -1.82 -0.98	26.84 -1.68 -7.21	27.91 -1.71 -8.02	26.73 -1.46 -9.74	12.77 -1.69 5.19	8.57 -1.38 6.12	10.36 -1.68 7.09	10.82 -1.58 6.20	13.28 -1.79 7.30	26.88 -1.76 -5.20	12.56 -1.84 8.00	11.52 -1.67 7.43	11.86 -1.85 8.54	12.28 -1.43 2.69	15.88 -1.37 -1.49
LYONS_FALL_HYD 23570	7.83 -0.06 -1.99	10.98 -0.08 -1.69	11.14 -0.10 -1.62	11.31 -0.09 -1.55	12.34 -0.07 -1.51	15.33 -0.03 -1.53	26.25 0.15 -1.26	28.49 0.29 -1.64	27.46 0.10 -1.31	25.36 0.00 -1.03	23.98 -0.04 -2.72	24.37 -0.06 -2.84	21.83 -0.09 -3.48	19.03 -0.14 0.48	15.50 -0.10 0.47	18.35 -0.10 0.69	18.77 0.00 -0.16	22.82 0.07 -0.39	26.94 0.12 -3.39	22.03 0.07 0.44	20.17 0.02 0.48	21.01 -0.07 1.16	16.83 -0.07 -0.50	17.17 -0.16 -1.56
MADISON___COUNTY_LFGE 323628	9.04 0.12 -3.02	12.15 0.22 -2.57	12.27 0.20 -2.46	12.41 0.21 -2.35	13.44 0.25 -2.29	16.49 0.35 -2.32	27.49 0.75 -1.90	30.21 0.88 -2.78	29.08 0.81 -2.22	26.63 0.71 -2.13	24.06 0.62 -2.01	24.21 0.60 -2.49	21.46 0.52 -2.49	21.53 0.51 -1.38	18.31 0.43 -1.80	21.47 0.54 -1.80	22.24 0.56 -3.08	27.10 0.72 -4.02	28.53 0.75 -4.34	25.79 0.69 -2.70	23.61 0.62 -2.36	24.34 0.58 -1.52	19.00 0.43 -2.18	18.54 0.36 -2.40

MALONE___115KV_TB1 356076	6.33 -0.71 -1.14	9.05 -1.29 -0.97	9.29 -1.25 -0.93	9.58 -1.16 -0.89	10.67 -1.10 -0.87	13.50 -1.20 -0.88	23.58 -1.99 -0.72	25.88 -1.73 -1.05	24.02 -2.87 -0.84	21.84 -3.09 -0.60	37.74 -2.90 -19.33	46.30 -2.94 -27.64	46.42 -2.47 -30.44	9.00 -2.85 7.80	1.52 -2.35 12.21	2.37 -2.83 13.93	2.58 -2.75 13.27	3.24 -3.22 15.90	29.32 -3.19 -9.07	2.84 -3.36 16.20	2.71 -2.97 14.95	2.62 -3.31 16.31	7.50 -2.52 6.37	14.39 -2.29 -0.91
MAPLEWOD_115KV_TB3 80458	36.58 0.15 -30.53	35.52 0.22 -25.93	34.70 0.25 -24.85	33.86 0.27 -23.75	34.28 0.29 -23.09	37.64 0.36 -23.46	44.76 0.70 -19.22	55.29 0.66 -28.08	49.21 0.73 -22.43	43.45 0.68 -18.43	41.69 0.64 -19.74	39.79 0.63 -17.58	40.90 0.54 -21.92	41.23 0.57 -21.01	43.49 0.47 -26.95	47.45 0.57 -27.74	61.71 0.58 -42.53	77.82 0.67 -54.79	72.27 0.70 -48.13	62.43 0.67 -39.35	56.10 0.64 -34.83	48.50 0.67 -25.59	45.49 0.43 -28.67	44.00 0.39 -27.84
MAPLE_RIDGE_WT_1 323574	6.10 -0.45 -0.65	9.17 -0.75 -0.55	9.42 -0.72 -0.53	9.69 -0.67 -0.51	10.72 -0.68 -0.49	13.51 -0.82 -0.50	23.76 -1.49 -0.41	25.62 -1.46 -0.53	24.65 -1.82 -0.42	22.81 -1.85 -0.33	16.08 -1.68 3.54	3.96 -1.73 15.90	4.12 -1.46 12.87	0.00 -1.57 18.07	-0.70 -1.29 15.48	0.00 -1.53 17.61	0.00 -1.49 17.11	0.00 -1.77 20.60	21.82 -1.85 -0.24	0.00 -1.77 20.63	0.00 -1.63 19.00	0.00 -1.78 20.46	6.69 -1.31 8.39	15.06 -1.21 -0.50
MAPLE_RIDGE_WT_2 323611	6.10 -0.45 -0.65	9.17 -0.75 -0.55	9.42 -0.72 -0.53	9.69 -0.67 -0.51	10.72 -0.68 -0.49	13.51 -0.82 -0.50	23.76 -1.49 -0.41	25.62 -1.46 -0.53	24.65 -1.82 -0.42	22.81 -1.85 -0.33	16.08 -1.68 3.54	3.96 -1.73 15.90	4.12 -1.46 12.87	0.00 -1.57 18.07	-0.70 -1.29 15.48	0.00 -1.53 17.61	0.00 -1.49 17.11	0.00 -1.77 20.60	21.82 -1.85 -0.24	0.00 -1.77 20.63	0.00 -1.63 19.00	0.00 -1.78 20.46	6.69 -1.31 8.39	15.06 -1.21 -0.50
MARBLE_RIVER_WT_PWR 323696	6.13 -0.79 -1.03	8.81 -1.43 -0.87	9.07 -1.37 -0.83	9.37 -1.28 -0.80	10.47 -1.21 -0.78	13.30 -1.31 -0.79	23.28 -2.21 -0.65	25.37 -2.02 -0.84	23.57 -3.15 -0.67	21.43 -3.43 -0.53	11.28 -3.28 6.74	-2.62 -3.32 20.89	-2.57 -2.80 18.22	-0.30 -3.20 16.74	0.24 -2.62 13.21	0.94 -3.14 15.06	1.11 -3.05 14.44	1.45 -3.58 17.33	19.25 -3.59 0.60	1.14 -3.70 17.56	1.14 -3.30 16.19	1.00 -3.65 17.59	6.68 -2.74 6.98	14.08 -2.49 -0.80
MARSHVLE_115KV_TB1 80742	44.24 0.28 -38.06	42.12 0.43 -32.32	40.99 0.41 -30.97	39.86 0.40 -29.60	40.15 0.47 -28.78	43.72 0.65 -29.25	50.22 1.42 -23.96	63.10 1.54 -35.00	55.52 1.51 -27.97	48.05 1.22 -22.50	46.43 1.02 -24.10	44.02 0.97 -21.46	46.06 0.85 -26.76	46.20 0.90 -25.65	49.65 0.67 -32.90	53.86 0.86 -33.86	71.49 0.97 -51.92	90.61 1.36 -66.88	83.62 1.43 -58.76	71.74 1.30 -48.04	64.29 1.13 -42.53	54.71 1.22 -31.24	52.16 0.77 -35.00	50.40 0.65 -33.99
MARSH_HILL_WT_PWR 323713	13.98 0.14 -7.94	16.36 0.25 -6.74	16.33 0.26 -6.46	16.28 0.26 -6.17	17.13 0.23 -6.00	20.20 0.28 -6.10	30.12 0.27 -5.00	33.38 0.21 -6.62	31.54 0.21 -5.29	28.63 0.17 -4.13	25.88 0.15 -4.42	25.62 0.09 -3.94	23.33 -0.04 -4.91	24.37 0.02 -4.71	22.08 -0.03 -6.04	25.41 0.06 -6.22	28.23 0.09 -9.53	34.75 0.11 -12.28	34.36 0.14 -10.79	31.33 0.11 -8.82	28.62 0.19 -7.81	28.18 0.20 -5.73	23.02 0.20 -6.43	22.43 0.43 -6.24
MCINTYRE_115KV_TB2 80467	6.61 -0.60 -1.31	9.42 -1.07 -1.12	9.64 -1.04 -1.07	9.91 -0.97 -1.02	10.96 -0.94 -0.99	13.81 -1.02 -1.01	24.08 -1.59 -0.83	26.46 -1.30 -1.21	24.64 -2.37 -0.97	22.46 -2.55 -0.69	28.63 -2.36 -9.69	29.71 -2.38 -10.49	29.42 -1.99 -12.96	8.03 -2.36 9.26	3.35 -1.93 10.79	4.42 -2.37 12.34	4.71 -2.27 11.62	5.84 -2.62 13.90	26.53 -2.58 -5.67	5.37 -2.73 14.30	5.01 -2.41 13.20	5.03 -2.71 14.51	8.82 -2.07 5.51	14.85 -1.96 -1.04
MECO___69_KV_BK1 80468	42.59 0.47 -36.22	40.85 0.72 -30.76	39.77 0.69 -29.47	38.70 0.68 -28.17	39.07 0.78 -27.39	42.73 1.08 -27.83	49.83 2.19 -22.81	62.22 2.36 -33.31	55.06 2.40 -26.61	47.99 2.14 -21.52	46.21 1.85 -23.05	43.79 1.68 -20.52	45.59 1.55 -25.58	45.86 1.69 -24.53	48.88 1.35 -31.46	53.22 1.70 -32.38	70.06 1.80 -49.65	88.73 2.42 -63.95	82.05 2.44 -56.18	70.53 2.20 -45.94	63.25 1.96 -40.66	54.12 2.00 -29.87	51.15 1.30 -33.47	49.39 1.12 -32.50
MENANDS___115KV_TB5 355628	36.49 0.12 -30.47	35.42 0.17 -25.88	34.61 0.20 -24.80	33.76 0.21 -23.70	34.17 0.23 -23.04	37.52 0.28 -23.42	44.58 0.55 -19.19	55.08 0.50 -28.03	48.99 0.55 -22.39	43.24 0.51 -18.40	41.51 0.49 -19.71	39.64 0.50 -17.55	40.76 0.42 -21.88	41.07 0.45 -20.98	43.35 0.37 -26.91	47.29 0.46 -27.69	61.51 0.45 -42.46	77.57 0.51 -54.69	72.02 0.54 -48.05	62.23 0.54 -39.29	55.90 0.50 -34.78	48.30 0.51 -25.55	45.34 0.33 -28.62	43.86 0.30 -27.79
MG INDUSTRY___DRP 24185	36.23 0.12 -30.21	35.21 0.19 -25.66	34.40 0.20 -24.59	33.56 0.21 -23.50	33.98 0.23 -22.85	37.30 0.26 -23.22	44.39 0.52 -19.02	54.84 0.50 -27.79	48.79 0.55 -22.20	43.15 0.51 -18.31	41.36 0.45 -19.61	39.50 0.45 -17.45	40.60 0.39 -21.77	40.92 0.41 -20.87	43.19 0.35 -26.77	47.10 0.42 -27.55	61.25 0.41 -42.24	77.26 0.49 -54.40	71.75 0.52 -47.79	61.97 0.49 -39.08	55.68 0.45 -34.59	48.14 0.49 -25.41	45.19 0.33 -28.47	43.70 0.28 -27.65
MID___OSWEGATCHIE_HYD 23849	7.32 -0.45 -1.87	10.18 -0.78 -1.59	10.37 -0.77 -1.53	10.57 -0.74 -1.46	11.58 -0.74 -1.42	14.43 -0.83 -1.44	24.71 -1.32 -1.18	27.13 -1.14 -1.72	25.68 -1.75 -1.38	23.49 -1.82 -0.98	26.84 -1.68 -7.21	27.91 -1.71 -8.02	26.73 -1.46 -9.74	12.77 -1.69 5.19	8.57 -1.38 6.12	10.36 -1.68 7.09	10.82 -1.58 6.20	13.28 -1.79 7.30	26.88 -1.76 -5.20	12.56 -1.84 8.00	11.52 -1.67 7.43	11.86 -1.85 8.54	12.28 -1.43 2.69	15.88 -1.37 -1.49
MID___RAQUETTE_HYD 23851	6.65 -0.65 -1.39	9.41 -1.14 -1.18	9.63 -1.11 -1.13	9.88 -1.05 -1.08	10.89 -1.07 -1.05	13.69 -1.20 -1.07	23.66 -2.06 -0.88	26.03 -1.81 -1.28	24.28 -2.79 -1.02	22.24 -2.82 -0.73	28.65 -2.56 -9.90	30.21 -2.57 -11.19	29.85 -2.16 -13.56	8.60 -2.53 8.51	3.86 -2.09 10.13	4.94 -2.60 11.59	5.20 -2.55 10.85	6.43 -2.97 12.96	26.27 -2.98 -5.81	5.91 -3.09 13.40	5.51 -2.74 12.38	5.63 -2.96 13.65	9.04 -2.25 5.11	14.81 -2.07 -1.10
MILLIKEN___1 23584	13.72 0.17 -7.65	16.15 0.28 -6.50	16.12 0.28 -6.23	16.07 0.27 -5.95	16.98 0.29 -5.79	20.09 0.39 -5.88	30.38 0.72 -4.82	34.47 0.88 -7.04	32.53 0.86 -5.62	29.21 0.83 -4.05	26.37 0.72 -4.34	26.19 0.73 -3.86	23.87 0.61 -4.81	24.93 0.67 -4.62	22.54 0.55 -5.92	25.92 0.69 -6.09	28.65 0.71 -9.34	35.29 0.89 -12.03	34.95 0.94 -10.57	31.94 0.90 -8.64	29.09 0.80 -7.65	28.67 0.80 -5.62	23.28 0.59 -6.30	22.47 0.58 -6.12
MILLIKEN___2 23585	13.72 0.17 -7.65	16.15 0.28 -6.50	16.12 0.28 -6.23	16.07 0.27 -5.95	16.98 0.29 -5.79	20.09 0.39 -5.88	30.38 0.72 -4.82	34.47 0.88 -7.04	32.53 0.86 -5.62	29.21 0.83 -4.05	26.37 0.72 -4.34	26.19 0.73 -3.86	23.87 0.61 -4.81	24.93 0.67 -4.62	22.54 0.55 -5.92	25.92 0.69 -6.09	28.65 0.71 -9.34	35.29 0.89 -12.03	34.95 0.94 -10.57	31.94 0.90 -8.64	29.09 0.80 -7.65	28.67 0.80 -5.62	23.28 0.59 -6.30	22.47 0.58 -6.12

MILLIKEN___DIESEL 23629	13.72 0.17 -7.65	16.15 0.28 -6.50	16.12 0.28 -6.23	16.07 0.27 -5.95	16.98 0.29 -5.79	20.09 0.39 -5.88	30.38 0.72 -4.82	34.47 0.88 -7.04	32.53 0.86 -5.62	29.21 0.83 -4.05	26.37 0.72 -4.34	26.19 0.73 -3.86	23.87 0.61 -4.81	24.93 0.67 -4.62	22.54 0.55 -5.92	25.92 0.69 -6.09	28.65 0.71 -9.34	35.29 0.89 -12.03	34.95 0.94 -10.57	31.94 0.90 -8.64	29.09 0.80 -7.65	28.67 0.80 -5.62	23.28 0.59 -6.30	22.47 0.58 -6.12
MILLSEAT___LFGE 323607	12.39 0.15 -6.34	15.00 0.24 -5.38	15.02 0.25 -5.16	15.03 0.25 -4.93	15.86 0.16 -4.79	18.83 0.14 -4.87	28.81 -0.02 -3.99	31.39 -0.35 -5.18	29.85 -0.34 -4.14	27.36 -0.22 -3.25	24.68 -0.11 -3.48	24.59 -0.11 -3.10	22.19 -0.13 -3.87	23.26 -0.10 -3.71	20.71 -0.11 -4.76	23.90 -0.13 -4.89	25.98 -0.13 -7.50	31.76 -0.27 -9.67	31.69 -0.23 -8.49	29.17 -0.18 -6.94	26.63 -0.14 -6.15	26.65 -0.11 -4.51	21.45 0.00 -5.06	21.00 0.32 -4.91
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	31.19 0.27 -25.02	30.99 0.37 -21.25	30.34 0.37 -20.36	29.68 0.36 -19.46	30.21 0.39 -18.92	33.59 0.54 -19.23	41.69 1.09 -15.76	50.84 1.27 -23.01	45.81 1.38 -18.39	40.28 1.31 -14.63	38.09 1.11 -15.68	36.65 1.10 -13.95	36.79 0.94 -17.40	37.35 1.02 -16.68	38.30 0.84 -21.40	42.15 1.00 -22.02	53.32 0.95 -33.77	67.09 1.23 -43.50	62.89 1.24 -38.21	54.79 1.14 -31.24	49.34 1.05 -27.66	43.74 1.18 -20.32	40.01 0.85 -22.76	38.57 0.69 -22.10
MILLWOOD_13_KV_LOAD 356217	31.20 0.28 -25.02	31.01 0.39 -21.25	30.35 0.37 -20.36	29.69 0.37 -19.46	30.23 0.40 -18.92	33.61 0.55 -19.23	41.72 1.12 -15.76	50.92 1.35 -23.01	45.87 1.43 -18.39	40.33 1.36 -14.63	38.11 1.13 -15.68	36.67 1.12 -13.95	36.83 0.98 -17.40	37.39 1.06 -16.68	38.34 0.87 -21.40	42.21 1.05 -22.02	53.36 0.99 -33.77	67.18 1.32 -43.50	62.98 1.34 -38.21	54.85 1.21 -31.24	49.40 1.11 -27.66	43.81 1.25 -20.32	40.04 0.89 -22.76	38.61 0.74 -22.10
MODEL_CITY_ENERGY 24167	12.45 0.04 -6.51	14.96 0.07 -5.53	14.96 0.06 -5.30	14.96 0.05 -5.06	15.77 -0.05 -4.92	18.65 -0.18 -5.00	28.22 -0.72 -4.10	30.66 -1.22 -5.33	29.18 -1.12 -4.26	26.70 -0.97 -3.34	24.16 -0.72 -3.58	24.05 -0.73 -3.19	21.72 -0.70 -3.97	22.77 -0.69 -3.81	20.35 -0.61 -4.89	23.44 -0.73 -5.03	25.59 -0.73 -7.71	31.20 -1.10 -9.93	31.08 -1.08 -8.73	28.57 -0.96 -7.13	26.10 -0.85 -6.32	26.06 -0.82 -4.64	21.13 -0.46 -5.20	20.75 -0.06 -5.05
MODERN_LFGE___ 323580	12.45 0.04 -6.51	14.96 0.07 -5.53	14.96 0.06 -5.30	14.96 0.05 -5.06	15.77 -0.05 -4.92	18.65 -0.18 -5.00	28.22 -0.72 -4.10	30.66 -1.22 -5.33	29.18 -1.12 -4.26	26.70 -0.97 -3.34	24.16 -0.72 -3.58	24.05 -0.73 -3.19	21.72 -0.70 -3.97	22.77 -0.69 -3.81	20.35 -0.61 -4.89	23.44 -0.73 -5.03	25.59 -0.73 -7.71	31.20 -1.10 -9.93	31.08 -1.08 -8.73	28.57 -0.96 -7.13	26.10 -0.85 -6.32	26.06 -0.82 -4.64	21.13 -0.46 -5.20	20.75 -0.06 -5.05
MOHAWK_PAPER___DRP 24187	36.58 0.15 -30.53	35.52 0.22 -25.93	34.70 0.25 -24.85	33.86 0.27 -23.75	34.28 0.29 -23.09	37.64 0.36 -23.46	44.76 0.70 -19.22	55.29 0.66 -28.08	49.21 0.73 -22.43	43.45 0.68 -18.43	41.69 0.64 -19.74	39.79 0.63 -17.58	40.90 0.54 -21.92	41.23 0.57 -21.01	43.49 0.47 -26.95	47.45 0.57 -27.74	61.71 0.58 -42.53	77.82 0.67 -54.79	72.27 0.70 -48.13	62.43 0.67 -39.35	56.10 0.64 -34.83	48.50 0.67 -25.59	45.49 0.43 -28.67	44.00 0.39 -27.84
MOHICAN___35_KV_115KV_LD 80490	37.53 0.42 -31.21	36.50 0.63 -26.50	35.64 0.63 -25.40	34.76 0.63 -24.27	35.19 0.69 -23.60	38.75 0.94 -23.98	46.28 1.79 -19.65	57.11 1.86 -28.70	50.91 1.93 -22.93	44.85 1.70 -18.82	42.89 1.43 -20.15	40.98 1.45 -17.94	42.08 1.25 -22.37	42.41 1.32 -21.45	44.61 1.03 -27.51	48.23 0.78 -28.31	62.85 0.84 -43.41	79.42 1.14 -55.92	73.73 1.17 -49.13	63.60 1.03 -40.17	57.13 0.95 -35.56	49.25 0.89 -26.12	46.26 0.61 -29.26	45.26 1.07 -28.42
MONGAUP___HYD 23641	29.40 0.27 -23.23	29.49 0.39 -19.73	28.89 0.37 -18.91	28.29 0.36 -18.07	28.87 0.40 -17.57	32.23 0.55 -17.85	40.54 1.07 -14.63	48.72 1.03 -21.13	43.84 0.91 -16.88	38.52 0.68 -13.51	36.29 0.51 -14.47	34.93 0.45 -12.88	34.98 0.46 -16.07	35.58 0.53 -15.40	36.28 0.45 -19.76	40.05 0.57 -20.33	50.47 0.69 -31.18	63.65 1.12 -40.16	60.06 1.34 -35.28	52.53 1.28 -28.85	47.32 1.15 -25.54	42.25 1.24 -18.76	38.25 0.84 -21.02	36.91 0.73 -20.41
MONTAUK___DIESEL 23721	32.44 0.83 -25.71	31.87 1.14 -21.36	31.20 1.12 -20.47	30.47 1.05 -19.56	31.06 1.13 -19.02	34.79 1.64 -19.33	44.23 3.43 -15.96	53.38 3.69 -23.13	48.41 3.88 -18.48	42.88 3.65 -14.90	40.56 3.03 -16.23	39.15 3.00 -14.55	38.99 2.53 -18.02	39.82 2.79 -17.39	41.95 2.31 -23.57	52.51 2.83 -30.54	85.52 2.88 -64.03	89.20 3.65 -63.19	87.55 3.75 -60.36	84.51 3.47 -58.63	65.06 3.16 -41.28	55.40 3.29 -29.86	42.13 2.46 -23.28	40.53 2.18 -22.58
MOONROAD_115KV_HARTFLD_TB1-2 355988	13.01 0.08 -7.04	15.45 0.10 -5.97	15.40 0.07 -5.73	15.36 0.04 -5.47	16.11 -0.11 -5.32	19.02 -0.21 -5.41	28.63 -0.65 -4.43	32.15 -0.88 -6.47	30.25 -0.96 -5.17	27.19 -0.83 -3.68	24.59 -0.66 -3.94	24.33 -0.78 -3.51	22.00 -0.83 -4.38	23.00 -0.84 -4.20	20.72 -0.74 -5.38	23.84 -0.84 -5.54	26.34 -0.76 -8.50	32.28 -1.03 -10.94	32.11 -0.94 -9.61	29.50 -0.76 -7.86	26.95 -0.64 -6.96	26.78 -0.58 -5.11	21.74 -0.38 -5.73	21.27 -0.06 -5.56
MORTIMER_115KV_TB3 55949	11.86 0.12 -5.84	14.51 0.18 -4.96	14.54 0.18 -4.75	14.56 0.17 -4.54	15.45 0.13 -4.42	18.44 0.12 -4.49	28.60 0.07 -3.68	31.82 -0.11 -5.37	30.26 -0.08 -4.29	27.38 0.02 -3.03	24.62 0.06 -3.25	24.57 0.09 -2.89	22.11 0.06 -3.60	23.20 0.10 -3.45	20.56 0.06 -4.43	23.75 0.06 -4.56	25.65 0.06 -6.99	31.39 0.02 -9.01	31.39 0.05 -7.91	28.92 0.04 -6.47	26.40 0.04 -5.73	26.52 0.07 -4.21	21.19 0.08 -4.71	20.61 0.27 -4.58
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	31.34 0.29 -25.15	31.13 0.40 -21.36	30.47 0.39 -20.47	29.81 0.39 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.84	51.09 1.41 -23.13	46.04 1.51 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.38 1.09 -22.15	53.59 1.02 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.05 1.23 -31.42	49.56 1.11 -27.81	43.90 1.22 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23
MUNSVILLE_WIND_PWR 323609	16.63 0.40 -10.33	18.84 0.70 -8.77	18.70 0.68 -8.41	18.59 0.70 -8.03	19.53 0.82 -7.81	22.85 1.09 -7.94	33.73 2.39 -6.50	37.79 2.71 -8.53	35.38 2.53 -6.81	31.77 2.55 -4.89	28.63 2.09 -5.24	28.35 2.09 -4.66	26.02 1.75 -5.81	27.05 1.83 -5.57	24.76 1.54 -7.15	28.39 1.90 -7.36	31.95 2.06 -11.28	39.49 2.59 -14.53	38.92 2.72 -12.77	35.39 2.55 -10.44	32.12 2.25 -9.24	31.26 2.22 -6.79	25.64 1.64 -7.61	24.51 1.36 -7.38
N SALMON___HYD 24042	6.33 -0.71 -1.14	9.05 -1.29 -0.97	9.29 -1.25 -0.93	9.58 -1.16 -0.89	10.67 -1.10 -0.87	13.50 -1.20 -0.88	23.58 -1.99 -0.72	25.77 -1.73 -0.94	23.93 -2.87 -0.75	21.86 -3.07 -0.59	37.73 -2.90 -19.32	46.29 -2.94 -27.63	46.41 -2.47 -30.43	8.99 -2.85 7.81	1.51 -2.35 12.22	2.36 -2.83 13.94	2.56 -2.75 13.29	3.22 -3.22 15.93	29.30 -3.19 -9.05	2.82 -3.36 16.22	2.70 -2.97 14.96	2.61 -3.31 16.32	7.49 -2.52 6.38	14.38 -2.29 -0.89

N.AKRON__115KV_KNAPP 355671	12.42 0.16 -6.36	15.03 0.25 -5.40	15.04 0.25 -5.18	15.04 0.24 -4.95	15.89 0.17 -4.81	18.87 0.15 -4.89	28.83 -0.02 -4.01	32.03 -0.37 -5.85	30.38 -0.34 -4.68	27.45 -0.19 -3.32	24.77 -0.09 -3.55	24.65 -0.11 -3.16	22.25 -0.15 -3.94	23.31 -0.12 -3.78	20.81 -0.11 -4.85	24.00 -0.13 -4.99	26.11 -0.15 -7.66	31.96 -0.27 -9.86	31.86 -0.23 -8.66	29.28 -0.20 -7.08	26.73 -0.17 -6.27	26.74 -0.11 -4.61	21.54 -0.02 -5.16	21.10 0.32 -5.01
N.BELMOR_69_KV_BK1 55787	34.81 0.45 -28.46	31.34 0.60 -21.37	30.66 0.57 -20.48	29.95 0.53 -19.56	30.49 0.57 -19.02	34.02 0.86 -19.34	43.28 1.84 -16.60	51.68 1.99 -23.13	46.69 2.16 -18.48	42.20 2.07 -15.80	41.44 1.73 -18.41	40.31 1.71 -17.01	40.38 1.48 -20.46	41.54 1.59 -20.30	43.22 1.25 -25.90	51.83 1.51 -31.18	84.03 1.40 -64.03	87.34 1.77 -63.21	85.60 1.80 -60.36	82.71 1.68 -58.63	63.43 1.53 -41.28	54.98 1.76 -30.98	42.86 1.38 -25.09	41.28 1.21 -24.30
N.E_GEN_SANDY PD 24062	34.10 0.21 -27.99	33.44 0.30 -23.77	32.70 0.31 -22.78	31.94 0.32 -21.77	32.10 0.35 -20.85	36.17 0.51 -21.83	43.44 0.97 -17.63	53.60 0.95 -26.09	47.91 1.01 -20.85	41.93 0.92 -16.68	40.00 0.83 -17.86	38.38 0.89 -15.90	39.00 0.72 -19.83	39.42 0.77 -19.01	41.08 0.63 -24.39	45.00 0.77 -25.10	57.83 0.74 -38.48	72.76 0.83 -49.57	67.85 0.87 -43.55	58.86 0.85 -35.60	52.95 0.80 -31.52	46.29 0.89 -23.15	42.94 0.61 -25.94	41.51 0.55 -25.19
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	30.53 0.27 -24.36	30.44 0.38 -20.68	29.80 0.37 -19.82	29.17 0.37 -18.94	29.71 0.39 -18.42	33.08 0.54 -18.72	41.25 1.07 -15.34	50.23 1.27 -22.40	45.30 1.35 -17.90	39.82 1.29 -14.20	37.61 1.09 -15.21	36.19 1.06 -13.54	36.26 0.92 -16.89	36.84 1.00 -16.19	37.66 0.82 -20.77	41.49 0.98 -21.37	52.30 0.93 -32.77	65.78 1.21 -42.21	61.74 1.22 -37.08	53.84 1.12 -30.32	48.50 1.03 -26.84	43.12 1.16 -19.72	39.32 0.84 -22.09	37.93 0.71 -21.45
N.QUEENS_27_KV_LOAD 356247	31.36 0.31 -25.15	31.16 0.43 -21.36	30.48 0.40 -20.47	29.88 0.46 -19.56	30.42 0.50 -19.02	33.61 0.46 -19.33	41.55 0.87 -15.84	50.88 1.19 -23.13	45.93 1.41 -18.48	40.41 1.36 -14.72	38.20 1.13 -15.76	36.77 1.14 -14.03	36.93 0.98 -17.50	37.48 1.06 -16.78	38.39 0.80 -21.52	42.22 0.94 -22.15	53.47 0.91 -33.96	67.31 1.21 -43.74	63.06 1.20 -38.43	54.90 1.08 -31.42	49.39 0.95 -27.81	43.67 1.00 -20.43	40.07 0.79 -22.89	38.74 0.74 -22.23
N.TROY___115KV_TB1 355778	36.77 0.21 -30.67	35.73 0.32 -26.04	34.89 0.33 -24.96	34.04 0.33 -23.85	34.46 0.37 -23.19	37.90 0.51 -23.57	45.12 0.97 -19.31	55.71 0.96 -28.20	49.57 0.99 -22.53	43.73 0.90 -18.50	41.93 0.81 -19.81	40.07 0.84 -17.64	41.14 0.70 -21.99	41.48 0.75 -21.08	43.73 0.61 -27.04	47.66 0.69 -27.83	61.97 0.69 -42.68	78.14 0.81 -54.97	72.57 0.84 -48.29	62.69 0.81 -39.49	56.35 0.76 -34.95	48.72 0.80 -25.68	45.70 0.54 -28.77	44.26 0.55 -27.93
NARROWS_GT1_1 24228	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT1_2 24229	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT1_3 24230	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT1_4 24231	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT1_5 24232	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT1_6 24233	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT1_7 24234	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT1_8 24235	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT2_1 24236	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28

NARROWS_GT2_2 24237	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT2_3 24238	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT2_4 24239	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT2_5 24240	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT2_6 24241	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT2_7 24242	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NARROWS_GT2_8 24243	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	34.99 0.27 -28.83	34.26 0.41 -24.48	33.49 0.42 -23.46	32.72 0.44 -22.42	33.19 0.49 -21.80	36.58 0.61 -22.15	44.19 1.19 -18.15	53.97 0.90 -26.51	48.12 0.89 -21.18	42.29 0.68 -17.28	40.39 0.58 -18.51	38.61 0.54 -16.48	39.53 0.54 -20.55	39.91 0.57 -19.70	41.84 0.50 -25.27	45.81 0.67 -26.00	59.24 0.76 -39.88	74.82 1.10 -51.36	69.73 1.17 -45.12	60.39 1.10 -36.89	54.30 1.01 -32.66	47.19 0.96 -23.99	43.80 0.52 -26.88	42.36 0.49 -26.10
NCHELSEA_115KV_TR2 355582	31.52 0.29 -25.33	31.31 0.43 -21.51	30.63 0.41 -20.61	29.97 0.41 -19.70	30.50 0.45 -19.15	33.90 0.61 -19.47	42.01 1.22 -15.95	51.23 1.38 -23.29	46.09 1.43 -18.61	40.47 1.31 -14.82	38.31 1.13 -15.88	36.83 1.10 -14.13	37.07 1.00 -17.63	37.62 1.08 -16.90	38.63 0.88 -21.67	42.50 1.05 -22.31	53.85 1.04 -34.20	67.79 1.36 -44.06	63.55 1.41 -38.71	55.35 1.30 -31.65	49.84 1.20 -28.01	44.13 1.31 -20.58	40.35 0.90 -23.06	38.93 0.77 -22.39
NEG CAPITAL___MECHNVIL 23645	37.23 0.31 -31.02	36.18 0.47 -26.34	35.32 0.47 -25.25	34.45 0.47 -24.13	34.88 0.52 -23.46	38.38 0.72 -23.84	45.74 1.37 -19.53	57.26 1.38 -29.33	50.91 1.43 -23.43	44.37 1.29 -18.75	42.51 1.13 -20.08	40.61 1.14 -17.87	41.72 0.98 -22.29	42.06 1.04 -21.37	44.32 0.84 -27.41	48.25 0.90 -28.21	62.77 0.91 -43.26	79.24 1.16 -55.72	73.58 1.19 -48.95	63.54 1.12 -40.02	57.07 1.01 -35.43	49.31 1.05 -26.02	46.24 0.69 -29.16	44.87 0.79 -28.31
NEG CENTRAL_HIGH_ACRES 23767	11.60 -0.02 -5.72	14.18 -0.05 -4.86	14.22 -0.05 -4.66	14.25 -0.06 -4.45	15.12 -0.11 -4.33	18.07 -0.15 -4.40	28.08 -0.37 -3.60	30.63 -0.56 -4.63	29.20 -0.55 -3.70	26.81 -0.44 -2.91	24.08 -0.34 -3.12	24.05 -0.32 -2.78	21.65 -0.26 -3.46	22.71 -0.26 -3.32	20.10 -0.23 -4.26	23.23 -0.29 -4.38	25.04 -0.28 -6.72	30.66 -0.36 -8.65	30.66 -0.38 -7.60	28.26 -0.36 -6.22	25.80 -0.33 -5.50	25.91 -0.38 -4.04	20.68 -0.25 -4.53	20.06 -0.11 -4.40
NEG CENTRAL___DRP 24199	11.91 0.09 -5.92	14.55 0.16 -5.03	14.58 0.15 -4.82	14.60 0.15 -4.60	15.53 0.15 -4.48	18.59 0.22 -4.55	28.92 0.35 -3.73	32.77 0.77 -5.44	31.18 0.78 -4.35	28.37 0.73 -3.31	25.46 0.64 -3.52	25.21 0.65 -2.97	22.76 0.52 -3.80	23.76 0.59 -3.52	21.14 0.45 -4.62	24.46 0.59 -4.73	26.61 0.61 -7.39	33.02 0.81 -9.85	32.91 0.82 -8.65	30.26 0.78 -7.08	27.59 0.70 -6.26	27.51 0.67 -4.60	22.02 0.48 -5.16	21.31 0.54 -5.01
NEG CENTRAL___INDECK 23768	13.27 0.28 -7.09	15.83 0.44 -6.02	15.83 0.45 -5.77	15.81 0.44 -5.51	16.70 0.44 -5.36	19.83 0.55 -5.45	30.23 0.92 -4.46	33.31 0.90 -5.86	31.48 0.76 -4.68	28.65 0.66 -3.67	25.77 0.53 -3.93	25.56 0.47 -3.50	23.05 0.24 -4.36	24.20 0.37 -4.18	21.75 0.32 -5.36	25.11 0.46 -5.52	27.62 0.56 -8.46	34.09 0.83 -10.90	33.95 0.94 -9.57	31.15 0.92 -7.83	28.38 0.83 -6.93	28.18 0.85 -5.09	22.72 0.62 -5.70	22.08 0.77 -5.54
NEG CENTRAL___SENECA 23627	12.35 0.14 -6.30	14.95 0.22 -5.35	14.97 0.23 -5.13	14.97 0.22 -4.90	15.90 0.23 -4.77	18.99 0.32 -4.85	29.33 0.52 -3.97	33.52 1.17 -5.80	31.85 1.17 -4.63	29.05 1.07 -3.65	26.15 0.94 -3.91	26.02 0.95 -3.48	23.52 0.74 -4.34	24.65 0.84 -4.16	22.04 0.64 -5.33	25.47 0.84 -5.49	27.91 0.89 -8.41	34.36 1.16 -10.84	34.15 1.20 -9.52	31.33 1.14 -7.78	28.53 1.01 -6.89	28.31 1.00 -5.06	22.77 0.70 -5.67	22.06 0.79 -5.51
NEG CENTRAL___STATE_STREET 24147	11.81 0.09 -5.82	14.46 0.15 -4.94	14.49 0.14 -4.74	14.52 0.14 -4.53	15.44 0.14 -4.40	18.50 0.21 -4.47	28.88 0.37 -3.66	32.38 0.48 -5.35	30.82 0.49 -4.28	27.95 0.51 -3.11	25.08 0.47 -3.30	24.87 0.50 -2.78	22.41 0.41 -3.55	23.40 0.47 -3.28	20.76 0.37 -4.32	24.01 0.46 -4.42	26.00 0.48 -6.92	31.91 0.60 -8.94	32.17 0.61 -8.13	29.32 0.58 -6.34	26.74 0.52 -5.60	26.75 0.49 -4.02	21.45 0.34 -4.71	20.85 0.38 -4.70

NEG MILLWOOD___DRP 24198	31.68 0.30 -25.48	31.44 0.44 -21.63	30.75 0.41 -20.73	30.09 0.42 -19.81	30.61 0.45 -19.26	34.01 0.61 -19.58	42.18 1.29 -16.04	51.50 1.51 -23.43	46.33 1.56 -18.72	40.69 1.44 -14.92	38.48 1.19 -15.98	36.99 1.17 -14.23	37.26 1.07 -17.74	37.80 1.14 -17.01	38.82 0.93 -21.82	42.74 1.15 -22.46	54.15 1.12 -34.43	68.26 1.54 -44.35	63.97 1.57 -38.96	55.67 1.41 -31.86	50.13 1.30 -28.20	44.41 1.45 -20.72	40.59 0.98 -23.21	39.14 0.84 -22.54
NEG NORTH_FLCN_SEA 23793	6.21 -0.72 -1.03	8.91 -1.33 -0.87	9.17 -1.28 -0.84	9.47 -1.18 -0.80	10.59 -1.09 -0.78	13.45 -1.16 -0.79	23.60 -1.89 -0.65	25.85 -1.65 -0.95	23.99 -2.81 -0.76	21.75 -3.11 -0.54	11.40 -3.00 6.90	-2.62 -3.04 21.17	-2.62 -2.56 18.51	-0.05 -2.95 16.74	0.46 -2.44 13.16	1.22 -2.91 15.01	1.39 -2.83 14.38	1.79 -3.31 17.26	19.49 -3.30 0.64	1.46 -3.45 17.50	1.44 -3.05 16.13	1.31 -3.40 17.54	6.87 -2.57 6.95	14.25 -2.33 -0.81
NEG NORTH_KES_CHATEGAY 23792	6.18 -0.78 -1.06	8.85 -1.42 -0.90	9.11 -1.36 -0.86	9.40 -1.28 -0.82	10.49 -1.21 -0.80	13.31 -1.33 -0.82	23.30 -2.21 -0.67	25.51 -2.02 -0.98	23.67 -3.15 -0.78	21.48 -3.41 -0.56	9.98 -3.26 8.06	-4.91 -3.30 23.20	-4.90 -2.77 20.59	-0.35 -3.16 16.83	0.56 -2.60 12.91	1.32 -3.10 14.72	1.51 -3.01 14.08	1.93 -3.53 16.90	18.86 -3.54 1.04	1.60 -3.65 17.15	1.56 -3.26 15.81	1.43 -3.60 17.21	6.87 -2.74 6.79	14.12 -2.49 -0.84
NEG NORTH___ALICE_FALLS 23915	6.21 -0.72 -1.03	8.92 -1.33 -0.88	9.17 -1.28 -0.84	9.47 -1.18 -0.80	10.59 -1.09 -0.78	13.46 -1.16 -0.80	23.61 -1.89 -0.65	25.88 -1.62 -0.95	23.97 -2.84 -0.76	21.76 -3.11 -0.54	11.22 -3.00 7.08	-2.81 -2.92 21.49	-2.84 -2.45 18.84	0.04 -2.85 16.76	0.52 -2.43 13.12	1.28 -2.89 14.96	1.48 -2.79 14.33	1.87 -3.29 17.20	19.50 -3.23 0.70	1.53 -3.43 17.44	1.52 -3.03 16.08	1.36 -3.40 17.48	6.88 -2.59 6.92	14.25 -2.33 -0.82
NEG NORTH___LWR_SARANAC 23913	6.21 -0.72 -1.03	8.92 -1.33 -0.88	9.17 -1.28 -0.84	9.47 -1.18 -0.80	10.59 -1.09 -0.78	13.46 -1.16 -0.80	23.61 -1.89 -0.65	25.88 -1.62 -0.95	23.97 -2.84 -0.76	21.76 -3.11 -0.54	11.22 -3.00 7.08	-2.81 -2.92 21.49	-2.84 -2.45 18.84	0.04 -2.85 16.76	0.52 -2.43 13.12	1.28 -2.89 14.96	1.48 -2.79 14.33	1.87 -3.29 17.20	19.50 -3.23 0.70	1.53 -3.43 17.44	1.52 -3.03 16.08	1.36 -3.40 17.48	6.88 -2.59 6.92	14.25 -2.33 -0.82
NEG NORTH___PLATTSBURG 23628	6.21 -0.72 -1.03	8.92 -1.33 -0.88	9.17 -1.28 -0.84	9.46 -1.19 -0.80	10.59 -1.09 -0.78	13.46 -1.16 -0.80	23.61 -1.89 -0.65	25.78 -1.62 -0.85	23.89 -3.11 -0.68	21.75 -3.11 -0.53	11.21 -3.00 7.09	-2.82 -2.92 21.50	-2.85 -2.45 18.85	0.01 -2.87 16.77	0.51 -2.43 13.14	1.27 -2.89 14.98	1.46 -2.79 14.35	1.85 -3.29 17.23	19.48 -3.23 0.72	1.52 -3.43 17.46	1.50 -3.03 16.10	1.35 -3.40 17.50	6.87 -2.59 6.93	14.24 -2.33 -0.81
NEG WEST_LEA_LOCKPORT 23791	12.46 0.09 -6.47	15.01 0.14 -5.50	15.01 0.13 -5.27	15.01 0.12 -5.04	15.83 0.03 -4.90	18.74 -0.06 -4.98	28.42 -0.50 -4.08	31.55 -0.96 -5.95	29.94 -0.86 -4.76	27.03 -0.68 -3.38	24.43 -0.49 -3.62	24.30 -0.52 -3.22	21.95 -0.52 -4.02	22.99 -0.51 -3.85	20.56 -0.45 -4.94	23.69 -0.54 -5.08	25.86 -0.54 -7.80	31.56 -0.85 -10.04	31.44 -0.82 -8.82	28.90 -0.72 -7.21	26.37 -0.64 -6.38	26.36 -0.58 -4.69	21.34 -0.31 -5.25	20.95 0.08 -5.10
NEG WEST___LANCASTR 23811	12.86 -0.05 -7.01	15.24 -0.08 -5.96	15.22 -0.10 -5.71	15.19 -0.12 -5.45	15.99 -0.22 -5.30	18.84 -0.37 -5.39	28.31 -0.94 -4.42	31.70 -1.30 -6.45	29.98 -1.22 -5.15	26.95 -1.05 -3.67	24.41 -0.83 -3.93	24.21 -0.89 -3.50	21.95 -0.87 -4.36	22.96 -0.86 -4.18	20.70 -0.74 -5.37	23.78 -0.88 -5.52	26.18 -0.89 -8.47	32.06 -1.21 -10.91	31.80 -1.22 -9.58	29.14 -1.10 -7.83	26.59 -0.97 -6.93	26.43 -0.91 -5.09	21.53 -0.57 -5.71	21.08 -0.24 -5.54
NEG_PENN_ALLEGHNY 23528	16.86 0.12 -10.84	18.77 0.20 -9.21	18.62 0.19 -8.82	18.47 0.19 -8.43	19.28 0.19 -8.20	22.36 0.21 -8.33	31.99 0.32 -6.83	35.84 0.34 -8.94	33.58 0.39 -7.15	30.32 0.46 -5.53	27.63 0.40 -5.92	27.27 0.41 -5.27	25.36 0.33 -6.57	26.34 0.39 -6.30	24.44 0.29 -8.08	27.80 0.34 -8.32	31.70 0.34 -12.76	39.18 0.38 -16.43	38.27 0.40 -14.44	34.61 0.40 -11.80	31.45 0.37 -10.45	30.32 0.40 -7.68	25.32 0.33 -8.60	24.48 0.36 -8.35
NEG___GEN_MONROE 24207	11.90 0.14 -5.87	14.56 0.21 -4.98	14.60 0.21 -4.78	14.60 0.19 -4.56	15.50 0.16 -4.44	18.51 0.18 -4.51	28.61 0.07 -3.69	31.87 -0.08 -5.40	30.25 -0.10 -4.31	27.40 0.02 -3.05	24.63 0.06 -3.26	24.54 0.04 -2.90	22.07 0.00 -3.62	23.14 0.02 -3.47	20.52 0.00 -4.45	23.68 -0.04 -4.58	25.57 -0.06 -7.03	31.33 -0.09 -9.05	31.32 -0.07 -7.95	28.93 0.02 -6.50	26.40 0.02 -5.75	26.52 0.04 -4.23	21.18 0.05 -4.74	20.64 0.27 -4.60
NEPA___ENERGY 23901	13.15 0.14 -7.11	15.62 0.22 -6.04	15.61 0.21 -5.79	15.58 0.20 -5.53	16.40 0.12 -5.38	19.34 0.06 -5.46	29.10 -0.22 -4.48	32.56 -0.53 -6.54	30.78 -0.49 -5.22	27.69 -0.36 -3.72	25.06 -0.23 -3.99	24.84 -0.30 -3.55	22.53 -0.35 -4.43	23.57 -0.31 -4.24	21.21 -0.31 -5.44	24.37 -0.36 -5.60	26.80 -0.39 -8.59	32.82 -0.60 -11.06	32.57 -0.59 -9.72	29.86 -0.49 -7.95	27.27 -0.39 -7.03	27.14 -0.27 -5.17	22.10 -0.08 -5.79	21.63 0.24 -5.62
NEVERSINK___HYD 23608	29.14 0.16 -23.08	29.22 0.25 -19.60	28.60 0.21 -18.78	28.00 0.20 -17.95	28.58 0.23 -17.45	31.87 0.32 -17.73	40.12 0.74 -14.53	48.43 0.90 -20.97	43.74 0.94 -16.76	38.57 0.83 -13.41	36.31 0.64 -14.37	34.99 0.60 -12.79	34.99 0.59 -15.95	35.58 0.65 -15.29	36.23 0.55 -19.61	39.40 0.08 -20.19	49.67 0.11 -30.95	62.52 0.29 -39.87	58.77 0.30 -35.03	51.29 0.25 -28.64	46.19 0.21 -25.35	41.80 0.93 -18.62	37.86 0.61 -20.86	36.50 0.47 -20.26
NEWKRMKL_115KV_TB1 55635	36.47 0.09 -30.49	35.39 0.13 -25.89	34.57 0.15 -24.81	33.73 0.17 -23.71	34.14 0.19 -23.05	37.46 0.21 -23.43	44.44 0.40 -19.20	54.96 0.37 -28.04	48.87 0.42 -22.40	43.14 0.39 -18.42	41.42 0.38 -19.73	39.54 0.39 -17.56	40.68 0.33 -21.90	40.99 0.35 -21.00	43.29 0.29 -26.93	47.22 0.36 -27.72	61.46 0.35 -42.50	77.53 0.42 -54.74	71.97 0.45 -48.09	62.15 0.43 -39.32	55.83 0.39 -34.81	48.21 0.40 -25.57	45.27 0.23 -28.65	43.79 0.21 -27.82
NEWTON___FALLS_HYD 23847	7.32 -0.45 -1.87	10.18 -0.78 -1.59	10.37 -0.77 -1.53	10.57 -0.74 -1.46	11.58 -0.74 -1.42	14.43 -0.83 -1.44	24.71 -1.32 -1.18	27.13 -1.14 -1.72	25.68 -1.75 -1.38	23.49 -1.82 -0.98	26.84 -1.68 -7.21	27.91 -1.71 -8.02	26.73 -1.46 -9.74	12.77 -1.69 5.19	8.57 -1.38 6.12	10.36 -1.68 7.09	10.82 -1.58 6.20	13.28 -1.79 7.30	26.88 -1.76 -5.20	12.56 -1.84 8.00	11.52 -1.67 7.43	11.86 -1.85 8.54	12.28 -1.43 2.69	15.88 -1.37 -1.49
NGRID_A1_DSASP 323792	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.90 -0.03 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.92 -1.04 -4.11	30.31 -1.59 -5.35	28.81 -1.51 -4.27	26.37 -1.31 -3.36	23.88 -1.02 -3.59	23.78 -1.01 -3.20	21.50 -0.94 -3.99	22.51 -0.96 -3.83	20.16 -0.82 -4.91	23.19 -1.00 -5.05	25.34 -1.00 -7.74	30.88 -1.45 -9.97	30.75 -1.45 -8.76	28.27 -1.30 -7.16	25.82 -1.15 -6.34	25.77 -1.13 -4.66	20.92 -0.69 -5.22	20.59 -0.25 -5.07

NGRID_A2_DSASP 323793	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.90 -0.03 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.92 -1.04 -4.11	30.31 -1.59 -5.35	28.81 -1.51 -4.27	26.37 -1.31 -3.36	23.88 -1.02 -3.59	23.78 -1.01 -3.20	21.50 -0.94 -3.99	22.51 -0.96 -3.83	20.16 -0.82 -4.91	23.19 -1.00 -5.05	25.34 -1.00 -7.74	30.88 -1.45 -9.97	30.75 -1.45 -8.76	28.27 -1.30 -7.16	25.82 -1.15 -6.34	25.77 -1.13 -4.66	20.92 -0.69 -5.22	20.59 -0.25 -5.07
NGRID_A4_DSASP 323807	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.90 -0.03 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.92 -1.04 -4.11	30.31 -1.59 -5.35	28.81 -1.51 -4.27	26.37 -1.31 -3.36	23.88 -1.02 -3.59	23.78 -1.01 -3.20	21.50 -0.94 -3.99	22.51 -0.96 -3.83	20.16 -0.82 -4.91	23.19 -1.00 -5.05	25.34 -1.00 -7.74	30.88 -1.45 -9.97	30.75 -1.45 -8.76	28.27 -1.30 -7.16	25.82 -1.15 -6.34	25.77 -1.13 -4.66	20.92 -0.69 -5.22	20.59 -0.25 -5.07
NIAGARA_115E_LBMP 323715	12.46 0.02 -6.54	14.95 0.03 -5.55	14.95 0.02 -5.32	14.95 0.01 -5.09	15.75 -0.10 -4.95	18.61 -0.24 -5.03	28.12 -0.84 -4.12	30.52 -1.38 -5.35	29.05 -1.28 -4.28	26.59 -1.09 -3.36	24.05 -0.85 -3.60	23.93 -0.86 -3.20	21.65 -0.79 -3.99	22.67 -0.81 -3.83	20.27 -0.71 -4.91	23.35 -0.84 -5.05	25.52 -0.84 -7.75	31.09 -1.25 -9.98	30.96 -1.24 -8.77	28.47 -1.10 -7.17	26.01 -0.97 -6.35	25.95 -0.96 -4.66	21.06 -0.56 -5.22	20.70 -0.14 -5.07
NIAGARA_115W_LBMP 323714	12.39 -0.04 -6.53	14.87 -0.05 -5.54	14.89 -0.03 -5.31	14.88 -0.05 -5.08	15.64 -0.20 -4.94	18.48 -0.36 -5.02	27.84 -1.12 -4.11	30.23 -1.67 -5.34	28.73 -1.59 -4.27	26.30 -1.39 -3.35	23.81 -1.09 -3.59	23.71 -1.08 -3.20	21.44 -1.00 -3.99	22.47 -1.00 -3.82	20.11 -0.87 -4.90	23.13 -1.05 -5.05	25.28 -1.06 -7.74	30.81 -1.52 -9.97	30.67 -1.52 -8.76	28.19 -1.37 -7.16	25.75 -1.22 -6.34	25.70 -1.20 -4.65	20.87 -0.74 -5.22	20.53 -0.30 -5.06
NIAGARA_230_LBMP 323716	12.43 0.04 -6.49	14.94 0.07 -5.51	14.94 0.06 -5.28	14.95 0.05 -5.04	15.75 -0.05 -4.90	18.63 -0.18 -4.98	28.21 -0.72 -4.08	30.59 -1.27 -5.31	29.12 -1.17 -4.24	26.66 -1.00 -3.33	24.11 -0.77 -3.57	24.01 -0.76 -3.18	21.69 -0.72 -3.96	22.74 -0.71 -3.80	20.31 -0.63 -4.87	23.38 -0.77 -5.01	25.51 -0.78 -7.69	31.08 -1.19 -9.90	30.96 -1.17 -8.70	28.48 -1.03 -7.11	26.02 -0.91 -6.29	26.00 -0.87 -4.62	21.10 -0.48 -5.18	20.74 -0.06 -5.03
NIAGARA__115KV_198_GIBSON 55903	12.39 -0.04 -6.53	14.86 -0.06 -5.54	14.89 -0.03 -5.31	14.86 -0.07 -5.08	15.64 -0.20 -4.94	18.48 -0.36 -5.02	27.84 -1.12 -4.11	30.88 -1.59 -6.00	29.26 -1.34 -4.80	26.40 -1.34 -3.41	23.89 -1.07 -3.65	23.76 -1.08 -3.25	21.51 -1.00 -4.05	22.53 -1.00 -3.89	20.19 -0.87 -4.98	23.23 -1.03 -5.13	25.43 -1.04 -7.87	31.00 -1.50 -10.13	30.84 -1.50 -8.90	28.31 -1.37 -7.28	25.87 -1.20 -6.44	25.80 -1.18 -4.73	20.96 -0.74 -5.30	20.62 -0.30 -5.15
NIAGARA____ 23760	12.47 0.04 -6.53	14.98 0.07 -5.55	14.98 0.06 -5.32	14.98 0.05 -5.08	15.79 -0.05 -4.94	18.66 -0.18 -5.02	28.23 -0.72 -4.11	30.61 -1.27 -5.33	29.13 -1.17 -4.26	26.68 -1.00 -3.34	24.12 -0.77 -3.58	24.03 -0.76 -3.19	21.71 -0.72 -3.98	22.75 -0.71 -3.81	20.33 -0.63 -4.89	23.41 -0.77 -5.03	25.54 -0.78 -7.72	31.11 -1.19 -9.94	31.00 -1.17 -8.73	28.51 -1.03 -7.14	26.04 -0.91 -6.32	26.02 -0.87 -4.64	21.12 -0.48 -5.20	20.77 -0.06 -5.06
NINE_MILE_1 23575	9.68 -0.11 -3.89	12.51 -0.17 -3.30	12.60 -0.17 -3.17	12.69 -0.19 -3.03	13.63 -0.22 -2.94	16.54 -0.28 -2.99	26.75 -0.55 -2.45	29.14 -0.61 -3.20	28.00 -0.60 -2.56	25.82 -0.54 -2.02	23.02 -0.45 -2.16	23.06 -0.45 -1.93	20.46 -0.39 -2.40	21.56 -0.39 -2.30	18.70 -0.32 -2.95	21.79 -0.38 -3.04	22.87 -0.39 -4.66	27.90 -0.47 -6.00	28.22 -0.49 -5.27	26.24 -0.47 -4.31	24.01 -0.43 -3.82	24.58 -0.47 -2.80	19.22 -0.31 -3.14	18.55 -0.27 -3.05
NINE_MILE_2 23744	9.67 -0.11 -3.88	12.49 -0.17 -3.29	12.59 -0.17 -3.16	12.68 -0.19 -3.02	13.62 -0.22 -2.93	16.53 -0.28 -2.98	26.74 -0.55 -2.44	29.13 -0.61 -3.19	28.00 -0.60 -2.55	25.81 -0.54 -2.01	23.01 -0.45 -2.16	23.06 -0.45 -1.92	20.46 -0.39 -2.39	21.55 -0.39 -2.30	18.69 -0.32 -2.94	21.78 -0.38 -3.03	22.88 -0.37 -4.65	27.88 -0.47 -5.98	28.20 -0.49 -5.26	26.23 -0.47 -4.30	24.00 -0.43 -3.81	24.57 -0.47 -2.80	19.21 -0.31 -3.13	18.54 -0.27 -3.04
NM_CAPITAL____DRP 24208	36.40 0.10 -30.40	35.34 0.15 -25.82	34.52 0.17 -24.74	33.69 0.19 -23.65	34.10 0.21 -22.99	37.44 0.25 -23.36	44.46 0.47 -19.14	54.94 0.42 -27.96	48.88 0.49 -22.34	43.16 0.46 -18.36	41.42 0.45 -19.67	39.53 0.43 -17.51	40.66 0.37 -21.84	40.97 0.39 -20.93	43.26 0.34 -26.85	47.17 0.40 -27.63	61.39 0.41 -42.37	77.39 0.45 -54.58	71.88 0.49 -47.95	62.08 0.47 -39.21	55.77 0.43 -34.70	48.18 0.44 -25.49	45.24 0.28 -28.56	43.76 0.25 -27.74
NM_CENTRAL____DRP 24181	10.68 0.01 -4.76	13.44 0.03 -4.05	13.50 0.02 -3.88	13.57 0.01 -3.70	14.51 0.01 -3.60	17.50 0.01 -3.66	27.82 -0.02 -3.00	30.93 0.00 -4.38	29.60 0.05 -3.50	26.91 0.07 -2.51	24.04 0.09 -2.65	23.84 0.11 -2.14	21.31 0.07 -2.79	22.27 0.12 -2.51	19.51 0.08 -3.36	22.66 0.10 -3.42	24.14 0.09 -5.44	29.52 0.11 -7.04	30.09 0.09 -6.56	27.46 0.11 -4.95	25.10 0.10 -4.36	25.39 0.07 -3.08	20.19 0.07 -3.73	19.66 0.09 -3.79
NM_FRONTIER____DRP 24179	12.39 -0.04 -6.53	14.86 -0.06 -5.54	14.89 -0.03 -5.31	14.86 -0.07 -5.08	15.64 -0.20 -4.94	18.48 -0.36 -5.02	27.84 -1.12 -4.11	30.88 -1.67 -6.00	29.26 -1.59 -4.80	26.40 -1.34 -3.41	23.89 -1.07 -3.65	23.76 -1.08 -3.25	21.51 -1.00 -4.05	22.53 -1.00 -3.89	20.19 -0.87 -4.98	23.23 -1.03 -5.13	25.43 -1.04 -7.87	31.00 -1.50 -10.13	30.84 -1.50 -8.90	28.31 -1.37 -7.28	25.87 -1.20 -6.44	25.80 -1.18 -4.73	20.96 -0.74 -5.30	20.62 -0.30 -5.15
NM_ST_REGIS____HYD 24053	6.57 -0.67 -1.34	9.31 -1.20 -1.14	9.54 -1.16 -1.09	9.80 -1.09 -1.04	10.83 -1.09 -1.02	13.64 -1.22 -1.03	23.63 -2.06 -0.85	25.96 -1.83 -1.24	24.19 -2.84 -0.99	22.11 -2.92 -0.70	30.49 -2.66 -11.84	33.47 -2.70 -14.57	33.22 -2.27 -17.03	8.65 -2.63 8.36	3.33 -2.19 10.55	4.36 -2.70 12.07	4.63 -2.62 11.35	5.73 -3.06 13.57	26.87 -3.05 -6.48	5.24 -3.18 13.98	4.88 -2.85 12.91	4.95 -3.09 14.20	8.68 -2.34 5.37	14.69 -2.14 -1.06
NORTHPORT____1 23551	32.07 0.55 -25.62	31.45 0.72 -21.36	30.78 0.70 -20.47	30.01 0.59 -19.56	30.63 0.71 -19.02	34.21 1.06 -19.33	43.02 2.24 -15.94	52.02 2.39 -23.08	47.07 2.58 -18.44	41.81 2.58 -14.90	39.63 2.13 -16.19	38.19 2.09 -14.50	38.20 1.77 -17.97	38.90 1.93 -17.33	41.27 1.66 -23.54	51.61 1.90 -30.58	84.52 1.80 -64.12	87.90 2.24 -63.30	86.19 2.30 -60.46	83.26 2.15 -58.71	63.94 1.96 -41.35	54.28 2.16 -29.88	41.29 1.62 -23.27	39.78 1.43 -22.58
NORTHPORT____2 23552	32.07 0.55 -25.62	31.45 0.72 -21.36	30.78 0.70 -20.47	30.01 0.59 -19.56	30.63 0.71 -19.02	34.21 1.06 -19.33	43.02 2.24 -15.94	52.02 2.39 -23.08	47.07 2.58 -18.44	41.81 2.58 -14.90	39.63 2.13 -16.19	38.19 2.09 -14.50	38.20 1.77 -17.97	38.90 1.93 -17.33	41.27 1.66 -23.54	51.61 1.90 -30.58	84.52 1.80 -64.12	87.90 2.24 -63.30	86.19 2.30 -60.46	83.26 2.15 -58.71	63.94 1.96 -41.35	54.28 2.16 -29.88	41.29 1.62 -23.27	39.78 1.43 -22.58

NORTHPORT___3 23553	31.86 0.37 -25.59	31.18 0.46 -21.36	30.50 0.42 -20.47	29.74 0.32 -19.56	30.31 0.39 -19.02	33.80 0.65 -19.33	42.29 1.52 -15.93	51.28 1.65 -23.08	46.31 1.82 -18.44	41.02 1.80 -14.89	38.92 1.45 -16.16	37.51 1.45 -14.47	37.63 1.24 -17.94	38.28 1.34 -17.30	40.74 1.16 -23.51	51.04 1.34 -30.56	84.02 1.30 -64.12	87.18 1.52 -63.29	85.50 1.62 -60.45	82.68 1.57 -58.71	63.40 1.42 -41.35	53.66 1.56 -29.86	40.79 1.15 -23.25	39.30 0.98 -22.55
NORTHPORT___4 23650	31.86 0.37 -25.59	31.18 0.46 -21.36	30.50 0.42 -20.47	29.74 0.32 -19.56	30.31 0.39 -19.02	33.80 0.65 -19.33	42.29 1.52 -15.93	51.28 1.65 -23.08	46.31 1.82 -18.44	41.02 1.80 -14.89	38.92 1.45 -16.16	37.51 1.45 -14.47	37.63 1.24 -17.94	38.28 1.34 -17.30	40.74 1.16 -23.51	51.04 1.34 -30.56	84.02 1.30 -64.12	87.18 1.52 -63.29	85.50 1.62 -60.45	82.68 1.57 -58.71	63.40 1.42 -41.35	53.66 1.56 -29.86	40.79 1.15 -23.25	39.30 0.98 -22.55
NORTHPORT___IC 23718	32.07 0.55 -25.62	31.45 0.72 -21.36	30.78 0.70 -20.47	30.01 0.59 -19.56	30.63 0.71 -19.02	34.21 1.06 -19.33	43.02 2.24 -15.94	52.02 2.39 -23.08	47.07 2.58 -18.44	41.81 2.58 -14.90	39.63 2.13 -16.19	38.19 2.09 -14.50	38.20 1.77 -17.97	38.90 1.93 -17.33	41.27 1.66 -23.54	51.61 1.90 -30.58	84.52 1.80 -64.12	87.90 2.24 -63.30	86.19 2.30 -60.46	83.26 2.15 -58.71	63.94 1.96 -41.35	54.28 2.16 -29.88	41.29 1.62 -23.27	39.78 1.43 -22.58
NORTH___COUNTRY_ESR 323785	6.16 -0.80 -1.06	8.82 -1.45 -0.90	9.08 -1.39 -0.86	9.37 -1.31 -0.83	10.46 -1.24 -0.80	13.27 -1.37 -0.82	23.20 -2.31 -0.67	25.30 -2.13 -0.87	23.51 -3.23 -0.70	21.40 -3.48 -0.55	9.89 -3.32 8.10	-5.02 -3.37 23.25	-5.02 -2.82 20.64	-0.42 -3.22 16.84	0.50 -2.65 12.91	1.25 -3.16 14.73	1.44 -3.07 14.09	1.83 -3.62 16.91	18.74 -3.63 1.07	1.50 -3.74 17.16	1.46 -3.34 15.82	1.34 -3.69 17.21	6.81 -2.79 6.80	14.06 -2.54 -0.83
NPX_GEN_1385_PROXY 323591	32.10 0.58 -25.62	31.40 0.67 -21.36	30.81 0.74 -20.47	29.96 0.54 -19.56	30.68 0.76 -19.02	34.28 1.13 -19.33	42.92 2.14 -15.94	51.94 2.31 -23.08	46.93 2.45 -18.44	42.08 2.85 -14.90	39.86 2.36 -16.19	38.43 2.33 -14.50	38.23 1.81 -17.97	38.94 1.96 -17.33	41.30 1.69 -23.54	51.36 1.65 -30.58	69.19 1.36 -49.23	82.71 1.59 -58.76	71.15 1.62 -46.10	61.67 1.50 -37.77	58.00 1.34 -36.03	53.90 1.78 -29.88	41.19 1.52 -23.27	39.70 1.36 -22.58
NPX_GEN_CSC 323557	32.25 0.64 -25.71	31.58 0.85 -21.36	30.90 0.83 -20.47	30.13 0.71 -19.56	30.74 0.82 -19.02	34.38 1.23 -19.33	43.44 2.63 -15.96	52.47 2.84 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.93	39.95 2.39 -16.26	38.51 2.33 -14.58	38.50 1.99 -18.06	39.27 2.20 -17.43	41.60 1.91 -23.62	52.03 2.30 -30.60	84.99 2.27 -64.12	88.55 2.89 -63.30	86.82 2.93 -60.46	83.87 2.75 -58.71	64.45 2.47 -41.35	54.80 2.65 -29.91	41.66 1.93 -23.33	40.07 1.67 -22.63
NSINS_S_GLNS_FALLS 23858	37.56 0.42 -31.23	36.53 0.64 -26.52	35.67 0.64 -25.42	34.78 0.64 -24.29	35.21 0.69 -23.62	38.76 0.94 -24.00	46.32 1.81 -19.67	57.16 1.89 -28.72	50.92 1.93 -22.95	44.86 1.70 -18.83	42.90 1.43 -20.17	40.99 1.45 -17.95	42.09 1.25 -22.39	42.44 1.34 -21.46	44.63 1.03 -27.53	48.22 0.75 -28.33	62.83 0.78 -43.44	79.40 1.07 -55.96	73.70 1.10 -49.16	63.58 0.99 -40.20	57.10 0.89 -35.58	49.23 0.85 -26.14	46.25 0.57 -29.28	45.29 1.09 -28.44
NUCOR_STEEL___DRP 24197	11.68 0.10 -5.68	14.35 0.16 -4.83	14.40 0.16 -4.62	14.42 0.15 -4.42	15.36 0.16 -4.30	18.41 0.22 -4.37	28.77 0.35 -3.58	32.20 0.42 -5.23	30.67 0.44 -4.18	27.80 0.46 -3.01	24.92 0.43 -3.19	24.72 0.45 -2.68	22.25 0.37 -3.43	23.24 0.43 -3.16	20.57 0.34 -4.16	23.82 0.42 -4.26	25.71 0.43 -6.68	31.53 0.54 -8.63	31.81 0.52 -7.86	29.03 0.52 -6.11	26.48 0.45 -5.40	26.58 0.47 -3.87	21.27 0.33 -4.55	20.68 0.36 -4.55
NUMBER_THREE_WT_PWR 323818	7.93 -0.15 -2.18	10.98 -0.24 -1.85	11.12 -0.26 -1.77	11.30 -0.25 -1.70	12.32 -0.23 -1.65	15.28 -0.22 -1.68	26.07 -0.15 -1.37	28.35 0.00 -1.79	27.20 -0.29 -1.43	25.05 -0.41 -1.13	24.70 -0.43 -3.82	25.22 -0.45 -4.08	23.01 -0.42 -4.98	17.73 -0.53 1.39	14.11 -0.40 1.56	16.74 -0.46 1.94	17.28 -0.33 0.98	21.10 -0.29 0.98	27.29 -0.21 -4.07	20.26 -0.27 1.87	18.51 -0.31 1.81	19.19 -0.42 2.63	16.02 -0.35 0.03	17.05 -0.43 -1.71
NYISO_LBMP_REFERENCE 24008	5.90 0.00 0.00	9.37 0.00 0.00	9.61 0.00 0.00	9.85 0.00 0.00	10.90 0.00 0.00	13.82 0.00 0.00	24.84 0.00 0.00	26.55 0.00 0.00	26.05 0.00 0.00	24.33 0.00 0.00	21.31 0.00 0.00	21.59 0.00 0.00	18.45 0.00 0.00	19.65 0.00 0.00	16.07 0.00 0.00	19.14 0.00 0.00	18.60 0.00 0.00	22.36 0.00 0.00	23.44 0.00 0.00	22.40 0.00 0.00	20.63 0.00 0.00	22.24 0.00 0.00	16.39 0.00 0.00	15.77 0.00 0.00
NYPA_BRENTWD___GT 24164	32.33 0.61 -25.82	31.53 0.81 -21.36	30.85 0.78 -20.47	30.09 0.67 -19.56	30.71 0.79 -19.02	34.32 1.17 -19.33	43.32 2.48 -15.99	52.31 2.68 -23.08	47.33 2.84 -18.44	42.10 2.80 -14.97	39.96 2.30 -16.35	38.55 2.27 -14.69	38.53 1.92 -18.16	39.30 2.10 -17.55	41.60 1.82 -23.72	51.88 2.12 -30.62	84.82 2.10 -64.12	88.28 2.62 -63.30	86.59 2.69 -60.46	83.62 2.51 -58.71	64.25 2.27 -41.35	54.67 2.47 -29.96	41.62 1.82 -23.41	40.07 1.59 -22.70
NYPA_GOWANUS___GT5 24156	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NYPA_GOWANUS___GT6 24157	31.39 0.34 -25.15	31.20 0.47 -21.36	30.52 0.44 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.09 1.46 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.83 1.17 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.37 1.03 -22.20	53.65 1.00 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.29 0.95 -22.95	38.86 0.80 -22.28
NYPA_HARLEM__RVR_GT1 24160	31.37 0.32 -25.15	31.15 0.42 -21.36	30.47 0.39 -20.47	29.86 0.44 -19.56	30.40 0.48 -19.02	33.61 0.46 -19.33	41.54 0.87 -15.83	50.79 1.17 -23.07	45.83 1.35 -18.43	40.44 1.36 -14.75	38.21 1.11 -15.79	36.75 1.10 -14.06	36.93 0.94 -17.53	37.48 1.02 -16.81	38.42 0.79 -21.56	42.27 0.94 -22.19	53.55 0.91 -34.03	67.41 1.21 -43.84	63.14 1.19 -38.51	54.97 1.08 -31.49	49.45 0.95 -27.87	43.72 1.00 -20.47	40.12 0.79 -22.94	38.78 0.73 -22.28
NYPA_HARLEM__RVR_GT2 24161	31.37 0.32 -25.15	31.15 0.42 -21.36	30.47 0.39 -20.47	29.86 0.44 -19.56	30.40 0.48 -19.02	33.61 0.46 -19.33	41.54 0.87 -15.83	50.79 1.17 -23.07	45.83 1.35 -18.43	40.44 1.36 -14.75	38.21 1.11 -15.79	36.75 1.10 -14.06	36.93 0.94 -17.53	37.48 1.02 -16.81	38.42 0.79 -21.56	42.27 0.94 -22.19	53.55 0.91 -34.03	67.41 1.21 -43.84	63.14 1.19 -38.51	54.97 1.08 -31.49	49.45 0.95 -27.87	43.72 1.00 -20.47	40.12 0.79 -22.94	38.78 0.73 -22.28

NYPA_KENT____GT 24152	31.37 0.32 -25.15	31.18 0.45 -21.36	30.51 0.43 -20.47	29.85 0.43 -19.56	30.39 0.47 -19.02	33.72 0.57 -19.33	41.80 1.12 -15.84	51.06 1.43 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.85 1.19 -14.07	37.03 1.03 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.39 1.05 -22.20	53.67 1.02 -34.04	67.58 1.36 -43.85	63.32 1.36 -38.52	55.13 1.23 -31.50	49.58 1.07 -27.88	43.92 1.20 -20.48	40.27 0.93 -22.95	38.84 0.79 -22.28
NYPA_POUCH1____GT 24155	31.39 0.34 -25.15	31.20 0.47 -21.36	30.53 0.45 -20.47	29.86 0.44 -19.56	30.41 0.49 -19.02	33.72 0.57 -19.33	41.80 1.12 -15.84	51.03 1.41 -23.07	45.97 1.48 -18.44	40.57 1.48 -14.75	38.30 1.19 -15.80	36.74 1.08 -14.07	36.93 0.94 -17.54	37.48 1.02 -16.82	38.48 0.84 -21.57	42.28 0.94 -22.20	53.58 0.93 -34.05	68.03 1.25 -44.42	64.47 1.24 -39.79	55.02 1.12 -31.50	49.48 0.97 -27.88	43.80 1.07 -20.48	40.32 0.98 -22.95	38.84 0.79 -22.28
NYPA_VERNON____GT2 24162	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.03 1.41 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.87 1.21 -14.07	37.04 1.05 -17.54	37.58 1.12 -16.82	38.56 0.92 -21.57	42.41 1.07 -22.20	53.69 1.04 -34.04	67.58 1.36 -43.85	63.32 1.36 -38.52	55.13 1.23 -31.50	49.60 1.09 -27.88	43.92 1.20 -20.48	40.26 0.92 -22.95	38.84 0.79 -22.28
NYPA_VERNON____GT3 24163	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.03 1.41 -23.07	46.02 1.54 -18.44	40.62 1.53 -14.75	38.34 1.24 -15.80	36.87 1.21 -14.07	37.04 1.05 -17.54	37.58 1.12 -16.82	38.56 0.92 -21.57	42.41 1.07 -22.20	53.69 1.04 -34.04	67.58 1.36 -43.85	63.32 1.36 -38.52	55.13 1.23 -31.50	49.60 1.09 -27.88	43.92 1.20 -20.48	40.26 0.92 -22.95	38.84 0.79 -22.28
NYPA__ASTORIA_CC1 323568	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.83 0.41 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.01 1.38 -23.07	45.97 1.48 -18.44	40.57 1.48 -14.75	38.32 1.21 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.53 0.88 -21.57	42.39 1.05 -22.20	53.65 1.00 -34.04	67.53 1.32 -43.85	63.27 1.31 -38.52	55.08 1.19 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.24 0.90 -22.95	38.81 0.76 -22.28
NYPA__ASTORIA_CC2 323569	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.83 0.41 -19.56	30.38 0.46 -19.02	33.69 0.54 -19.33	41.75 1.07 -15.84	51.01 1.38 -23.07	45.97 1.48 -18.44	40.57 1.48 -14.75	38.32 1.21 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.53 0.88 -21.57	42.39 1.05 -22.20	53.65 1.00 -34.04	67.53 1.32 -43.85	63.27 1.31 -38.52	55.08 1.19 -31.50	49.56 1.05 -27.88	43.90 1.18 -20.48	40.24 0.90 -22.95	38.81 0.76 -22.28
NYPA__HOLTSVILL 23794	32.19 0.58 -25.70	31.49 0.77 -21.36	30.82 0.74 -20.47	30.05 0.63 -19.56	30.66 0.74 -19.02	34.27 1.12 -19.33	43.21 2.41 -15.96	52.21 2.57 -23.08	47.25 2.76 -18.44	41.96 2.70 -14.93	39.76 2.20 -16.26	38.33 2.16 -14.58	38.34 1.84 -18.05	39.09 2.02 -17.42	41.44 1.75 -23.61	51.80 2.07 -30.60	84.75 2.03 -64.12	88.24 2.57 -63.30	86.52 2.62 -60.46	83.55 2.44 -58.71	64.19 2.21 -41.35	54.56 2.40 -29.91	41.48 1.75 -23.33	39.93 1.53 -22.63
NYPA____HELLGATE_GT1 24158	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.86 0.44 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.49 0.82 -15.83	50.76 1.14 -23.07	45.83 1.35 -18.43	40.41 1.34 -14.75	38.21 1.11 -15.79	36.75 1.10 -14.06	36.93 0.94 -17.53	37.48 1.02 -16.81	38.41 0.77 -21.56	42.27 0.94 -22.19	53.55 0.91 -34.03	67.41 1.21 -43.84	63.14 1.19 -38.51	54.97 1.08 -31.49	49.45 0.95 -27.87	43.69 0.98 -20.47	40.09 0.75 -22.94	38.76 0.71 -22.28
NYPA____HELLGATE_GT2 24159	31.34 0.29 -25.15	31.14 0.41 -21.36	30.46 0.38 -20.47	29.86 0.44 -19.56	30.40 0.48 -19.02	33.58 0.43 -19.33	41.49 0.82 -15.83	50.76 1.14 -23.07	45.83 1.35 -18.43	40.41 1.34 -14.75	38.21 1.11 -15.79	36.75 1.10 -14.06	36.93 0.94 -17.53	37.48 1.02 -16.81	38.41 0.77 -21.56	42.27 0.94 -22.19	53.55 0.91 -34.03	67.41 1.21 -43.84	63.14 1.19 -38.51	54.97 1.08 -31.49	49.45 0.95 -27.87	43.69 0.98 -20.47	40.09 0.75 -22.94	38.76 0.71 -22.28
NYS_BARGE__HYD 23848	12.43 0.09 -6.45	14.98 0.14 -5.47	15.00 0.14 -5.25	14.99 0.13 -5.01	15.81 0.03 -4.87	18.72 -0.06 -4.95	28.43 -0.47 -4.06	30.89 -0.93 -5.27	29.40 -0.86 -4.21	26.93 -0.71 -3.31	24.34 -0.51 -3.54	24.25 -0.50 -3.15	21.89 -0.50 -3.93	22.93 -0.49 -3.77	20.47 -0.43 -4.84	23.60 -0.52 -4.98	25.71 -0.52 -7.63	31.35 -0.85 -9.83	31.25 -0.82 -8.64	28.75 -0.72 -7.06	26.26 -0.62 -6.25	26.26 -0.58 -4.59	21.24 -0.29 -5.15	20.86 0.10 -5.00
OAK ORCHARD__HYD 24046	11.86 0.12 -5.84	14.51 0.18 -4.96	14.54 0.18 -4.75	14.57 0.18 -4.54	15.45 0.13 -4.42	18.44 0.12 -4.49	28.60 0.07 -3.68	31.20 -0.11 -4.75	29.74 -0.10 -3.80	27.32 0.00 -2.99	24.57 0.06 -3.20	24.53 0.09 -2.85	22.06 0.06 -3.55	23.15 0.10 -3.40	20.50 0.06 -4.37	23.69 0.06 -4.49	25.53 0.04 -6.89	31.24 0.00 -8.88	31.26 0.02 -7.80	28.82 0.04 -6.38	26.31 0.04 -5.64	26.46 0.07 -4.15	21.12 0.08 -4.65	20.55 0.27 -4.51
OAKDALE__35_KV_LOAD 356122	16.78 0.11 -10.78	18.70 0.18 -9.15	18.56 0.18 -8.77	18.40 0.17 -8.38	19.22 0.16 -8.15	22.29 0.18 -8.28	31.90 0.27 -6.79	36.73 0.27 -9.91	34.25 0.29 -7.92	30.39 0.39 -5.67	27.72 0.34 -6.08	27.35 0.35 -5.41	25.45 0.26 -6.74	26.42 0.31 -6.47	24.60 0.24 -8.29	27.98 0.31 -8.53	31.97 0.28 -13.09	39.53 0.31 -16.86	38.57 0.33 -14.81	34.85 0.34 -12.11	31.68 0.33 -10.72	30.47 0.36 -7.87	25.51 0.30 -8.82	24.67 0.33 -8.57
OCC_CHEM__DRP 24175	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.89 -0.04 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.91 -1.04 -4.11	30.97 -1.59 -6.01	29.34 -1.51 -4.80	26.48 -1.27 -3.41	23.96 -1.00 -3.65	23.83 -1.01 -3.25	21.57 -0.94 -4.06	22.59 -0.94 -3.89	20.24 -0.82 -4.99	23.30 -0.98 -5.13	25.49 -0.99 -7.87	31.07 -1.43 -10.14	30.91 -1.43 -8.91	28.39 -1.30 -7.28	25.92 -1.16 -6.45	25.87 -1.11 -4.74	21.01 -0.69 -5.31	20.67 -0.25 -5.15
OH_GEN_PROXY 24063	12.42 0.04 -6.48	14.94 0.07 -5.51	14.95 0.07 -5.28	14.95 0.06 -5.04	15.76 -0.04 -4.90	18.64 -0.17 -4.98	28.23 -0.70 -4.08	30.66 -1.19 -5.31	29.17 -1.12 -4.24	26.71 -0.95 -3.33	24.15 -0.72 -3.57	24.05 -0.71 -3.17	21.73 -0.68 -3.96	22.77 -0.67 -3.79	20.34 -0.59 -4.87	23.42 -0.73 -5.01	25.54 -0.74 -7.68	31.14 -1.12 -9.89	31.03 -1.10 -8.69	28.52 -0.99 -7.11	26.07 -0.85 -6.29	26.04 -0.82 -4.62	21.13 -0.44 -5.18	20.73 -0.06 -5.03
OLIN_CORP_DRP 24177	12.49 0.02 -6.56	14.98 0.04 -5.57	14.99 0.04 -5.34	14.98 0.02 -5.11	15.79 -0.08 -4.96	18.66 -0.21 -5.04	28.18 -0.79 -4.13	31.26 -1.33 -6.04	29.65 -1.22 -4.82	26.74 -1.02 -3.43	24.19 -0.79 -3.67	24.04 -0.82 -3.27	21.75 -0.77 -4.08	22.79 -0.77 -3.91	20.42 -0.66 -5.01	23.49 -0.80 -5.16	25.71 -0.80 -7.91	31.37 -1.19 -10.19	31.21 -1.17 -8.95	28.67 -1.05 -7.32	26.18 -0.93 -6.48	26.11 -0.89 -4.76	21.20 -0.52 -5.33	20.84 -0.11 -5.18

OLIN_CORP_DSASP 323712	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.90 -0.03 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.92 -1.04 -4.11	30.31 -1.59 -5.35	28.81 -1.51 -4.27	26.37 -1.31 -3.36	23.88 -1.02 -3.59	23.78 -1.01 -3.20	21.50 -0.94 -3.99	22.51 -0.96 -3.83	20.16 -0.82 -4.91	23.19 -1.00 -5.05	25.34 -1.00 -7.74	30.88 -1.45 -9.97	30.75 -1.45 -8.76	28.27 -1.30 -7.16	25.82 -1.15 -6.34	25.77 -1.13 -4.66	20.92 -0.69 -5.22	20.59 -0.25 -5.07
ONEIDA_HERK_LFGE 323681	7.73 -0.01 -1.84	10.93 0.00 -1.57	11.10 -0.01 -1.50	11.28 -0.01 -1.43	12.32 0.02 -1.39	15.31 0.07 -1.42	26.33 0.32 -1.16	28.52 0.45 -1.52	27.57 0.31 -1.21	25.50 0.22 -0.95	23.59 0.15 -2.13	23.89 0.11 -2.19	21.22 0.09 -2.68	19.64 0.04 0.05	16.15 0.05 -0.03	19.11 0.08 0.11	19.43 0.15 -0.68	23.61 0.25 -1.00	26.71 0.30 -2.97	22.87 0.25 -0.22	20.95 0.19 -0.13	21.92 0.13 0.46	17.18 0.07 -0.73	17.20 -0.02 -1.44
ONEIDA___115KV_TB4 55905	9.04 0.12 -3.02	12.15 0.22 -2.57	12.27 0.20 -2.46	12.41 0.21 -2.35	13.44 0.25 -2.29	16.49 0.35 -2.32	27.49 0.75 -1.90	30.21 0.88 -2.78	29.08 0.81 -2.22	26.63 0.71 -1.59	24.06 0.62 -2.13	24.21 0.60 -2.01	21.46 0.52 -2.49	21.53 0.51 -1.38	18.31 0.43 -1.80	21.47 0.54 -1.80	22.24 0.56 -3.08	27.10 0.72 -4.02	28.53 0.75 -4.34	25.79 0.69 -2.70	23.61 0.62 -2.36	24.34 0.58 -1.52	19.00 0.43 -2.18	18.54 0.36 -2.40
ONONDAGA_REF_OCCRA 23987	11.27 0.04 -5.34	13.96 0.06 -4.53	14.01 0.06 -4.34	14.04 0.04 -4.15	14.98 0.04 -4.04	17.98 0.06 -4.10	28.28 0.07 -3.36	31.57 0.11 -4.91	30.13 0.16 -3.92	27.32 0.17 -2.81	24.45 0.17 -2.98	24.22 0.17 -2.45	21.77 0.15 -3.17	22.71 0.18 -2.89	20.03 0.13 -3.83	23.23 0.17 -3.92	24.97 0.19 -6.18	30.58 0.22 -7.99	31.00 0.21 -7.35	28.26 0.22 -5.64	25.79 0.19 -4.98	25.96 0.18 -3.54	20.75 0.13 -4.22	20.18 0.16 -4.25
ONONDAGA___COGEN 23986	11.10 0.04 -5.16	13.82 0.07 -4.38	13.87 0.07 -4.20	13.92 0.06 -4.01	14.87 0.07 -3.90	17.87 0.08 -3.96	28.22 0.12 -3.25	31.46 0.16 -4.74	30.02 0.18 -3.79	27.28 0.22 -2.73	24.41 0.21 -2.89	24.21 0.24 -2.38	21.71 0.18 -3.07	22.68 0.24 -2.80	19.96 0.18 -3.72	23.16 0.23 -3.80	24.82 0.22 -5.99	30.38 0.27 -7.74	30.82 0.26 -7.13	28.13 0.27 -5.46	25.70 0.25 -4.82	25.90 0.22 -3.43	20.65 0.16 -4.09	20.08 0.19 -4.12
ONTARIO___LFGE 23819	12.35 0.14 -6.30	14.95 0.22 -5.35	14.97 0.23 -5.13	14.97 0.22 -4.90	15.90 0.23 -4.77	18.99 0.32 -4.85	29.34 0.52 -3.97	33.44 1.17 -5.72	31.79 1.17 -4.57	28.97 1.07 -3.57	26.07 0.94 -3.83	25.95 0.95 -3.41	23.44 0.74 -4.25	24.56 0.84 -4.07	21.94 0.64 -5.22	25.36 0.84 -5.38	27.74 0.89 -8.25	34.12 1.14 -10.62	33.94 1.17 -9.33	31.17 1.14 -7.63	28.39 1.01 -6.75	28.21 1.00 -4.96	22.66 0.70 -5.56	21.95 0.79 -5.40
ORANGEVILLE_WT_PWR 323706	13.31 0.07 -7.35	15.74 0.13 -6.24	15.71 0.12 -5.98	15.69 0.12 -5.72	16.50 0.04 -5.56	19.44 -0.03 -5.65	29.12 -0.35 -4.63	31.97 -0.64 -6.05	30.29 -0.60 -4.84	27.59 -0.54 -3.79	24.96 -0.41 -4.06	24.78 -0.43 -3.61	22.48 -0.48 -4.51	23.51 -0.45 -4.32	21.21 -0.40 -5.54	24.40 -0.44 -5.70	26.90 -0.45 -8.75	32.98 -0.65 -11.27	32.72 -0.61 -9.90	29.98 -0.51 -8.09	27.34 -0.45 -7.16	27.11 -0.40 -5.26	22.09 -0.20 -5.90	21.59 0.10 -5.72
ORANGEVILLE___ESR 323794	13.31 0.07 -7.35	15.74 0.13 -6.24	15.71 0.12 -5.98	15.69 0.12 -5.72	16.50 0.04 -5.56	19.44 -0.03 -5.65	29.12 -0.35 -4.63	31.97 -0.64 -6.05	30.29 -0.60 -4.84	27.59 -0.54 -3.79	24.96 -0.41 -4.06	24.78 -0.43 -3.61	22.48 -0.48 -4.51	23.51 -0.45 -4.32	21.21 -0.40 -5.54	24.40 -0.44 -5.70	26.90 -0.45 -8.75	32.98 -0.65 -11.27	32.72 -0.61 -9.90	29.98 -0.51 -8.09	27.34 -0.45 -7.16	27.11 -0.40 -5.26	22.09 -0.20 -5.90	21.59 0.10 -5.72
OSWEGATCHIE___HYD 24044	7.32 -0.45 -1.87	10.18 -0.78 -1.59	10.36 -0.77 -1.53	10.57 -0.74 -1.46	11.58 -0.74 -1.42	14.43 -0.83 -1.44	24.71 -1.32 -1.18	26.95 -1.14 -1.54	25.53 -1.74 -1.23	23.48 -1.83 -0.97	26.82 -1.68 -7.20	27.90 -1.71 -8.01	26.72 -1.46 -9.72	12.73 -1.71 5.20	8.55 -1.38 6.14	10.34 -1.68 7.11	10.79 -1.58 6.23	13.24 -1.79 7.34	26.85 -1.76 -5.17	12.53 -1.84 8.03	11.50 -1.67 7.46	11.84 -1.85 8.56	12.26 -1.43 2.71	15.86 -1.37 -1.47
OSWEGO___5 23606	9.99 -0.06 -4.16	12.80 -0.10 -3.53	12.89 -0.11 -3.38	12.97 -0.12 -3.23	13.90 -0.14 -3.14	16.84 -0.18 -3.20	27.09 -0.37 -2.62	29.55 -0.43 -3.42	28.39 -0.39 -2.73	26.15 -0.34 -2.16	23.34 -0.28 -2.31	23.37 -0.28 -2.06	20.78 -0.24 -2.57	21.85 -0.26 -2.46	19.02 -0.21 -3.16	22.14 -0.25 -3.25	23.34 -0.24 -4.98	28.49 -0.29 -6.42	28.77 -0.31 -5.64	26.72 -0.29 -4.61	24.44 -0.27 -4.08	24.95 -0.29 -3.00	19.56 -0.20 -3.36	18.87 -0.16 -3.26
OSWEGO___6 23613	9.99 -0.06 -4.16	12.80 -0.10 -3.53	12.89 -0.11 -3.38	12.97 -0.12 -3.23	13.90 -0.14 -3.14	16.84 -0.18 -3.20	27.09 -0.37 -2.62	29.55 -0.43 -3.42	28.39 -0.39 -2.73	26.15 -0.34 -2.16	23.34 -0.28 -2.31	23.37 -0.28 -2.06	20.78 -0.24 -2.57	21.85 -0.26 -2.46	19.02 -0.21 -3.16	22.14 -0.25 -3.25	23.34 -0.24 -4.98	28.49 -0.29 -6.42	28.77 -0.31 -5.64	26.72 -0.29 -4.61	24.44 -0.27 -4.08	24.95 -0.29 -3.00	19.56 -0.20 -3.36	18.87 -0.16 -3.26
OUTOKUMPU-AB___DRP 24206	12.60 0.11 -6.60	15.15 0.18 -5.60	15.16 0.18 -5.37	15.14 0.16 -5.13	15.95 0.07 -4.99	18.88 -0.01 -5.07	28.60 -0.40 -4.15	31.80 -0.82 -6.07	30.16 -0.73 -4.85	27.22 -0.56 -3.44	24.61 -0.38 -3.69	24.47 -0.41 -3.28	22.12 -0.42 -4.10	23.18 -0.39 -3.93	20.74 -0.37 -5.04	23.88 -0.44 -5.18	26.10 -0.45 -7.95	31.86 -0.74 -10.24	31.73 -0.70 -8.99	29.15 -0.60 -7.35	26.60 -0.54 -6.51	26.56 -0.47 -4.78	21.51 -0.25 -5.36	21.11 0.14 -5.20
OXBOW___ 24026	12.52 0.06 -6.57	15.04 0.09 -5.58	15.06 0.11 -5.34	15.05 0.09 -5.11	15.84 -0.02 -4.96	18.73 -0.14 -5.05	28.33 -0.65 -4.13	30.79 -1.14 -5.38	29.30 -1.04 -4.30	26.83 -0.87 -3.37	24.28 -0.64 -3.61	24.16 -0.65 -3.22	21.83 -0.63 -4.01	22.88 -0.61 -3.84	20.45 -0.55 -4.93	23.54 -0.67 -5.07	25.73 -0.65 -7.78	31.36 -1.03 -10.02	31.23 -1.01 -8.80	28.70 -0.90 -7.20	26.22 -0.78 -6.37	26.19 -0.73 -4.68	21.23 -0.41 -5.24	20.85 -0.02 -5.09
OXY_CHEM_DSASP 323612	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.89 -0.04 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.91 -1.04 -4.11	30.97 -1.59 -6.01	29.34 -1.51 -4.80	26.48 -1.27 -3.41	23.96 -1.00 -3.65	23.83 -1.01 -3.25	21.57 -0.94 -4.06	22.59 -0.94 -3.89	20.24 -0.82 -4.99	23.30 -0.98 -5.13	25.49 -0.99 -7.87	31.07 -1.43 -10.14	30.91 -1.43 -8.91	28.39 -1.30 -7.28	25.92 -1.16 -6.45	25.87 -1.11 -4.74	21.01 -0.69 -5.31	20.67 -0.25 -5.15
OZONE_PARK_ESR 323760	31.37 0.32 -25.15	31.18 0.45 -21.36	30.52 0.44 -20.47	29.85 0.44 -19.56	30.39 0.47 -19.02	33.77 0.62 -19.33	41.97 1.29 -15.83	51.27 1.59 -23.13	46.22 1.69 -18.48	40.70 1.65 -14.72	38.43 1.36 -15.76	36.98 1.36 -14.03	37.13 1.18 -17.50	37.68 1.26 -16.77	38.62 1.03 -21.52	42.53 1.24 -22.14	53.73 1.17 -33.96	67.62 1.52 -43.74	63.38 1.52 -38.42	55.23 1.41 -31.42	49.70 1.26 -27.81	44.07 1.40 -20.43	40.31 1.03 -22.89	38.85 0.85 -22.23

PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.89 -0.04 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.91 -1.04 -4.11	30.97 -1.59 -6.01	29.34 -1.51 -4.80	26.48 -1.27 -3.41	23.96 -1.00 -3.65	23.83 -1.01 -3.25	21.57 -0.94 -4.06	22.59 -0.94 -3.89	20.24 -0.82 -4.99	23.30 -0.98 -5.13	25.49 -0.99 -7.87	31.07 -1.43 -10.14	30.91 -1.43 -8.91	28.39 -1.30 -7.28	25.92 -1.16 -6.45	25.87 -1.11 -4.74	21.01 -0.69 -5.31	20.67 -0.25 -5.15
PACKARD__115KV_DUPONT_184 80571	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.89 -0.04 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.91 -1.04 -4.11	30.97 -1.59 -6.01	29.34 -1.51 -4.80	26.48 -1.27 -3.41	23.96 -1.00 -3.65	23.83 -1.01 -3.25	21.57 -0.94 -4.06	22.59 -0.94 -3.89	20.24 -0.82 -4.99	23.30 -0.98 -5.13	25.49 -0.99 -7.87	31.07 -1.43 -10.14	30.91 -1.43 -8.91	28.39 -1.30 -7.28	25.92 -1.16 -6.45	25.87 -1.11 -4.74	21.01 -0.69 -5.31	20.67 -0.25 -5.15
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	31.38 0.33 -25.15	31.18 0.45 -21.36	30.50 0.42 -20.47	29.87 0.45 -19.56	30.41 0.49 -19.02	33.65 0.50 -19.33	41.62 0.94 -15.84	50.93 1.25 -23.13	45.88 1.35 -18.48	40.39 1.34 -14.72	38.16 1.09 -15.76	36.70 1.08 -14.03	36.87 0.92 -17.50	37.42 1.00 -16.78	38.39 0.80 -21.52	42.24 0.96 -22.15	53.47 0.91 -33.96	67.31 1.21 -43.74	63.06 1.20 -38.43	54.90 1.08 -31.42	49.39 0.95 -27.81	43.72 1.05 -20.43	40.12 0.84 -22.89	38.75 0.76 -22.23
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	31.43 0.38 -25.15	31.27 0.54 -21.36	30.60 0.53 -20.47	29.96 0.55 -19.56	30.51 0.59 -19.02	33.77 0.62 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.12 1.59 -18.48	40.58 1.53 -14.72	38.33 1.26 -15.76	36.86 1.23 -14.03	37.00 1.05 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.35 1.07 -22.15	53.58 1.02 -33.96	67.45 1.34 -43.74	63.22 1.36 -38.43	55.07 1.25 -31.42	49.55 1.11 -27.81	43.90 1.22 -20.43	40.25 0.97 -22.89	38.90 0.90 -22.23
PATROON__115KV_TB1 80586	36.58 0.11 -30.57	35.49 0.16 -25.96	34.67 0.18 -24.88	33.83 0.20 -23.78	34.24 0.22 -23.12	37.57 0.25 -23.50	44.57 0.47 -19.25	55.12 0.45 -28.12	49.03 0.52 -22.47	43.28 0.49 -18.47	41.53 0.45 -19.78	39.65 0.45 -17.61	40.79 0.39 -21.96	41.11 0.41 -21.05	43.41 0.34 -27.00	47.34 0.42 -27.79	61.64 0.43 -42.61	77.76 0.51 -54.88	72.19 0.54 -48.21	62.31 0.49 -39.42	55.98 0.45 -34.89	48.34 0.47 -25.63	45.39 0.28 -28.72	43.91 0.25 -27.89
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	12.82 0.02 -6.90	15.26 0.04 -5.86	15.24 0.02 -5.61	15.22 0.00 -5.36	16.03 -0.09 -5.22	18.92 -0.21 -5.30	28.52 -0.67 -4.34	31.89 -1.01 -6.34	30.20 -0.91 -5.07	27.18 -0.75 -3.61	24.60 -0.58 -3.86	24.41 -0.63 -3.44	22.11 -0.63 -4.29	23.15 -0.61 -4.11	20.80 -0.55 -5.27	23.93 -0.63 -5.43	26.29 -0.63 -8.32	32.17 -0.92 -10.72	31.94 -0.91 -9.42	29.30 -0.81 -7.70	26.75 -0.70 -6.82	26.61 -0.65 -5.01	21.61 -0.39 -5.61	21.17 -0.05 -5.45
PAWLING_115_KV_BK3_REV_LBMP_H 345028	31.68 0.30 -25.48	31.44 0.44 -21.63	30.75 0.41 -20.73	30.09 0.42 -19.81	30.61 0.45 -19.26	34.01 0.61 -19.58	42.18 1.29 -16.04	51.50 1.51 -23.43	46.33 1.56 -18.72	40.69 1.44 -14.92	38.48 1.19 -15.98	36.99 1.17 -14.23	37.26 1.07 -17.74	37.80 1.14 -17.01	38.82 0.93 -21.82	42.74 1.15 -22.46	54.15 1.12 -34.43	68.26 1.54 -44.35	63.97 1.57 -38.96	55.67 1.41 -31.86	50.13 1.30 -28.20	44.41 1.45 -20.72	40.59 0.98 -23.21	39.14 0.84 -22.54
PEEKSKILL____ 23653	31.08 0.26 -24.92	30.91 0.38 -21.17	30.25 0.36 -20.28	29.59 0.35 -19.39	30.13 0.38 -18.85	33.50 0.53 -19.15	41.60 1.07 -15.69	50.65 1.25 -22.85	45.65 1.35 -18.25	40.23 1.29 -14.61	38.04 1.09 -15.65	36.58 1.06 -13.93	36.74 0.92 -17.37	37.30 1.00 -16.65	38.25 0.82 -21.36	42.11 0.99 -21.98	53.24 0.93 -33.71	67.01 1.23 -43.42	62.82 1.24 -38.14	54.73 1.14 -31.19	49.27 1.03 -27.61	43.70 1.18 -20.28	39.95 0.84 -22.72	38.53 0.69 -22.06
PGE MADISON__WINDPWR 24146	16.63 0.40 -10.33	18.84 0.70 -8.77	18.70 0.68 -8.41	18.59 0.70 -8.03	19.53 0.82 -7.81	22.85 1.09 -7.94	33.73 2.39 -6.50	37.79 2.71 -8.53	35.38 2.53 -6.81	31.77 2.55 -4.89	28.63 2.09 -5.24	28.35 2.09 -4.66	26.02 1.75 -5.81	27.05 1.83 -5.57	24.76 1.54 -7.15	28.39 1.90 -7.36	31.95 2.06 -11.28	39.49 2.59 -14.53	38.92 2.72 -12.77	35.39 2.55 -10.44	32.12 2.25 -9.24	31.26 2.22 -6.79	25.64 1.64 -7.61	24.51 1.36 -7.38
PIERCEFIELD__HYD 23852	6.65 -0.65 -1.39	9.41 -1.14 -1.18	9.63 -1.11 -1.13	9.88 -1.05 -1.08	10.89 -1.07 -1.05	13.69 -1.20 -1.07	23.66 -2.06 -0.88	26.03 -1.81 -1.28	24.28 -2.79 -1.02	22.24 -2.82 -0.73	28.65 -2.56 -9.90	30.21 -2.57 -11.19	29.85 -2.16 -13.56	8.60 -2.53 8.51	3.86 -2.09 10.13	4.94 -2.60 11.59	5.20 -2.55 10.85	6.43 -2.97 12.96	26.27 -2.98 -5.81	5.91 -3.09 13.40	5.51 -2.74 12.38	5.63 -2.96 13.65	9.04 -2.25 5.11	14.81 -2.07 -1.10
PINELAWN_CC_I 323563	32.81 0.52 -26.39	31.41 0.68 -21.36	30.73 0.65 -20.47	29.97 0.55 -19.56	30.56 0.64 -19.02	34.13 0.98 -19.33	43.10 2.14 -16.12	51.94 2.31 -23.08	46.96 2.48 -18.44	41.90 2.41 -15.16	40.09 1.98 -16.80	38.73 1.94 -15.19	38.77 1.66 -18.66	39.60 1.81 -18.15	41.82 1.56 -24.20	51.73 1.84 -30.75	84.52 1.80 -64.12	87.93 2.26 -63.30	86.21 2.32 -60.46	83.28 2.17 -58.71	63.96 1.98 -41.35	54.57 2.14 -30.19	41.75 1.57 -23.78	40.20 1.37 -23.06
PJM_GEN_HTP_PROXY 323702	31.32 0.27 -25.15	31.11 0.38 -21.35	30.45 0.37 -20.46	29.78 0.36 -19.56	30.32 0.40 -19.02	33.69 0.54 -19.32	41.80 1.12 -15.83	51.00 1.38 -23.07	45.97 1.48 -18.43	40.54 1.46 -14.75	38.30 1.19 -15.80	36.84 1.19 -14.07	37.02 1.03 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.64 1.00 -34.04	67.53 1.32 -43.84	63.26 1.31 -38.52	55.10 1.21 -31.49	49.58 1.07 -27.88	43.92 1.20 -20.48	40.22 0.88 -22.94	38.77 0.73 -22.28
PJM_GEN_KEystone 24065	22.67 0.15 -16.62	23.70 0.22 -14.11	23.33 0.20 -13.52	22.97 0.20 -12.92	23.64 0.17 -12.57	26.79 0.19 -12.77	35.55 0.25 -10.46	41.64 0.21 -14.88	38.22 0.29 -11.89	34.12 0.32 -9.47	31.73 0.28 -10.15	30.89 0.26 -9.03	29.90 0.18 -11.26	30.68 0.24 -10.80	30.10 0.18 -13.85	33.60 0.21 -14.26	40.63 0.17 -21.86	50.61 0.18 -28.07	48.15 0.17 -24.55	42.81 0.18 -20.23	38.72 0.19 -17.90	35.68 0.29 -13.15	31.39 0.26 -14.74	30.41 0.33 -14.31
PJM_GEN_NEPTUNE_PROXY 323594	31.57 0.42 -25.25	31.26 0.53 -21.35	30.57 0.50 -20.46	29.83 0.41 -19.56	30.41 0.49 -19.02	33.91 0.76 -19.32	42.41 1.71 -15.86	51.46 1.83 -23.08	46.49 2.01 -18.44	41.08 1.97 -14.78	38.80 1.60 -15.90	37.37 1.60 -14.17	37.47 1.37 -17.65	38.06 1.47 -16.94	40.23 1.25 -22.90	50.67 1.44 -30.10	84.09 1.38 -64.12	87.41 1.75 -63.30	85.67 1.78 -60.46	82.77 1.66 -58.71	63.50 1.53 -41.35	53.64 1.67 -29.73	40.69 1.26 -23.03	39.22 1.10 -22.35
PJM_GEN_VFT_PROXY 323633	31.30 0.25 -25.15	31.06 0.34 -21.36	30.39 0.32 -20.47	29.72 0.31 -19.56	30.26 0.34 -19.02	33.60 0.46 -19.33	41.67 0.99 -15.83	50.87 1.25 -23.07	45.86 1.38 -18.44	40.44 1.36 -14.75	38.21 1.11 -15.80	36.76 1.10 -14.07	36.93 0.94 -17.54	37.48 1.02 -16.82	38.48 0.84 -21.57	42.33 0.99 -22.20	53.54 0.89 -34.04	66.18 1.18 -42.63	60.40 1.17 -35.79	54.97 1.08 -31.49	49.46 0.95 -27.88	43.81 1.09 -20.48	40.16 0.82 -22.95	38.71 0.66 -22.28

PLATSBRG_115KV_PMLD1 355749	6.20 -0.73 -1.03	8.90 -1.34 -0.87	9.17 -1.28 -0.84	9.46 -1.19 -0.80	10.58 -1.10 -0.78	13.44 -1.17 -0.79	23.58 -1.91 -0.65	25.83 -1.67 -0.95	23.96 -2.84 -0.76	21.73 -3.14 -0.54	11.39 -3.03 6.90	-2.63 -3.07 21.16	-2.63 -2.58 18.50	-0.06 -2.97 16.74	0.45 -2.46 13.17	1.20 -2.93 15.01	1.37 -2.85 14.38	1.77 -3.33 17.26	19.47 -3.33 0.64	1.43 -3.47 17.50	1.42 -3.07 16.13	1.28 -3.43 17.54	6.86 -2.59 6.95	14.25 -2.33 -0.81
PLEASANTVLY___LBMP 24000	32.30 0.24 -26.17	31.94 0.35 -22.22	31.24 0.34 -21.30	30.54 0.33 -20.35	31.05 0.36 -19.79	34.43 0.50 -20.11	42.31 0.99 -16.48	51.73 1.12 -24.07	46.47 1.20 -19.23	40.85 1.14 -15.38	38.76 0.98 -16.47	37.23 0.97 -14.66	37.56 0.83 -18.28	38.08 0.90 -17.53	39.29 0.74 -22.48	43.16 0.88 -23.14	54.92 0.84 -35.48	69.12 1.05 -45.70	64.66 1.08 -40.15	56.24 1.01 -32.83	50.62 0.93 -29.06	44.61 1.02 -21.34	41.05 0.74 -23.92	39.61 0.62 -23.22
PLSNTVLE_13_KV_13.8KVDIST 80602	31.48 0.28 -25.30	31.26 0.40 -21.48	30.58 0.38 -20.59	29.91 0.38 -19.68	30.45 0.41 -19.13	33.83 0.57 -19.44	41.92 1.14 -15.93	51.17 1.35 -23.27	46.10 1.46 -18.59	40.53 1.39 -14.81	38.34 1.17 -15.87	36.88 1.17 -14.12	37.06 1.00 -17.61	37.61 1.08 -16.89	38.61 0.88 -21.66	42.48 1.05 -22.29	53.79 1.00 -34.18	67.69 1.30 -44.03	63.43 1.31 -38.68	55.24 1.21 -31.62	49.74 1.11 -27.99	44.03 1.22 -20.56	40.32 0.89 -23.04	38.88 0.74 -22.37
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	31.48 0.28 -25.30	31.26 0.40 -21.48	30.58 0.38 -20.59	29.91 0.38 -19.68	30.45 0.41 -19.13	33.83 0.57 -19.44	41.92 1.14 -15.93	51.17 1.35 -23.27	46.10 1.46 -18.59	40.53 1.39 -14.81	38.34 1.17 -15.87	36.88 1.17 -14.12	37.06 1.00 -17.61	37.61 1.08 -16.89	38.61 0.88 -21.66	42.48 1.05 -22.29	53.79 1.00 -34.18	67.69 1.30 -44.03	63.43 1.31 -38.68	55.24 1.21 -31.62	49.74 1.11 -27.99	44.03 1.22 -20.56	40.32 0.89 -23.04	38.88 0.74 -22.37
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	32.00 0.27 -25.83	31.71 0.40 -21.94	31.02 0.38 -21.02	30.34 0.39 -20.09	30.86 0.43 -19.53	34.26 0.58 -19.85	42.28 1.17 -16.27	51.61 1.30 -23.76	46.38 1.35 -18.98	40.73 1.24 -15.15	38.58 1.04 -16.23	37.10 1.06 -14.45	37.39 0.92 -18.02	37.92 1.00 -17.27	39.05 0.82 -22.16	42.94 1.00 -22.80	54.54 0.97 -34.97	68.66 1.25 -45.04	64.32 1.31 -39.57	55.96 1.21 -32.35	50.38 1.11 -28.64	44.50 1.22 -21.04	40.80 0.84 -23.57	39.38 0.73 -22.89
POLETTI____ 23519	31.32 0.27 -25.15	31.10 0.37 -21.36	30.44 0.37 -20.47	29.78 0.36 -19.56	30.31 0.39 -19.02	33.67 0.53 -19.33	41.75 1.07 -15.83	51.01 1.33 -23.13	45.96 1.43 -18.48	40.46 1.41 -14.72	38.24 1.17 -15.76	36.79 1.17 -14.03	36.94 1.00 -17.50	37.50 1.08 -16.77	38.46 0.87 -21.52	42.33 1.05 -22.14	53.53 0.97 -33.96	67.38 1.27 -43.74	63.13 1.27 -38.42	54.96 1.14 -31.42	49.47 1.03 -27.81	43.83 1.16 -20.43	40.15 0.87 -22.89	38.70 0.71 -22.23
POMONA___ESR 323819	30.53 0.27 -24.36	30.44 0.38 -20.68	29.80 0.37 -19.82	29.16 0.36 -18.94	29.71 0.39 -18.42	33.08 0.54 -18.72	41.25 1.07 -15.34	50.10 1.27 -22.27	45.19 1.35 -17.79	39.86 1.29 -14.24	37.64 1.09 -15.25	36.23 1.06 -13.58	36.30 0.92 -16.93	36.88 1.00 -16.23	37.71 0.82 -20.82	41.56 0.99 -21.43	52.39 0.93 -32.86	65.92 1.23 -42.32	61.86 1.24 -37.18	53.94 1.14 -30.40	48.57 1.03 -26.91	43.19 1.18 -19.77	39.38 0.84 -22.15	37.99 0.71 -21.51
PORT_JEFF_3 23555	32.21 0.60 -25.71	31.51 0.79 -21.36	30.84 0.77 -20.47	30.07 0.65 -19.56	30.68 0.76 -19.02	34.30 1.15 -19.33	43.27 2.46 -15.96	52.29 2.65 -23.08	47.33 2.84 -18.44	42.04 2.77 -14.93	39.83 2.26 -16.26	38.40 2.22 -14.59	38.39 1.88 -18.06	39.14 2.06 -17.43	41.49 1.80 -23.62	51.86 2.12 -30.60	84.82 2.10 -64.12	88.32 2.66 -63.30	86.61 2.72 -60.46	83.64 2.53 -58.71	64.27 2.29 -41.35	54.63 2.47 -29.91	41.53 1.80 -23.33	39.98 1.58 -22.63
PORT_JEFF_4 23616	32.21 0.60 -25.71	31.51 0.79 -21.36	30.84 0.77 -20.47	30.07 0.65 -19.56	30.68 0.76 -19.02	34.30 1.15 -19.33	43.27 2.46 -15.96	52.29 2.65 -23.08	47.33 2.84 -18.44	42.04 2.77 -14.93	39.83 2.26 -16.26	38.40 2.22 -14.59	38.39 1.88 -18.06	39.14 2.06 -17.43	41.49 1.80 -23.62	51.86 2.12 -30.60	84.82 2.10 -64.12	88.32 2.66 -63.30	86.61 2.72 -60.46	83.64 2.53 -58.71	64.27 2.29 -41.35	54.63 2.47 -29.91	41.53 1.80 -23.33	39.98 1.58 -22.63
PORT_JEFF_IC 23713	32.24 0.61 -25.74	31.53 0.81 -21.36	30.85 0.78 -20.47	30.08 0.66 -19.56	30.70 0.77 -19.02	34.32 1.17 -19.33	43.32 2.51 -15.97	52.34 2.71 -23.08	47.35 2.87 -18.44	42.09 2.82 -14.94	39.89 2.30 -16.28	38.45 2.25 -14.61	38.45 1.92 -18.08	39.20 2.10 -17.45	41.54 1.83 -23.64	51.92 2.18 -30.60	84.88 2.16 -64.12	88.39 2.73 -63.30	86.68 2.79 -60.46	83.71 2.60 -58.71	64.33 2.35 -41.35	54.68 2.51 -29.92	41.58 1.84 -23.35	40.01 1.59 -22.65
PPL PILGRIM_ST_GT1 24216	32.33 0.61 -25.82	31.53 0.81 -21.36	30.85 0.78 -20.47	30.09 0.67 -19.56	30.71 0.79 -19.02	34.32 1.17 -19.33	43.32 2.48 -15.99	52.31 2.68 -23.08	47.33 2.84 -18.44	42.10 2.80 -14.97	39.96 2.30 -16.35	38.55 2.27 -14.69	38.53 1.92 -18.16	39.30 2.10 -17.55	41.60 1.82 -23.72	51.88 2.12 -30.62	84.82 2.10 -64.12	88.28 2.62 -63.30	86.59 2.69 -60.46	83.62 2.51 -58.71	64.25 2.27 -41.35	54.67 2.47 -29.96	41.62 1.82 -23.41	40.07 1.59 -22.70
PPL PILGRIM_ST_GT2 24217	32.33 0.61 -25.82	31.53 0.81 -21.36	30.85 0.78 -20.47	30.09 0.67 -19.56	30.71 0.79 -19.02	34.32 1.17 -19.33	43.32 2.48 -15.99	52.31 2.68 -23.08	47.33 2.84 -18.44	42.10 2.80 -14.97	39.96 2.30 -16.35	38.55 2.27 -14.69	38.53 1.92 -18.16	39.30 2.10 -17.55	41.60 1.82 -23.72	51.88 2.12 -30.62	84.82 2.10 -64.12	88.28 2.62 -63.30	86.59 2.69 -60.46	83.62 2.51 -58.71	64.25 2.27 -41.35	54.67 2.47 -29.96	41.62 1.82 -23.41	40.07 1.59 -22.70
PPL_SHRM_GT3 24213	32.26 0.64 -25.72	31.58 0.85 -21.36	30.91 0.84 -20.47	30.13 0.71 -19.56	30.75 0.83 -19.02	34.39 1.24 -19.33	43.47 2.66 -15.96	52.50 2.87 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.94	39.96 2.39 -16.27	38.52 2.33 -14.59	38.51 1.99 -18.07	39.29 2.20 -17.44	41.61 1.91 -23.63	52.03 2.30 -30.60	85.01 2.29 -64.12	88.57 2.91 -63.30	86.85 2.95 -60.46	83.89 2.78 -58.71	64.47 2.50 -41.35	54.83 2.67 -29.92	41.68 1.95 -23.34	40.10 1.69 -22.64
PPL_SHRM_GT4 24214	32.26 0.64 -25.72	31.58 0.85 -21.36	30.91 0.84 -20.47	30.13 0.71 -19.56	30.75 0.83 -19.02	34.39 1.24 -19.33	43.47 2.66 -15.96	52.50 2.87 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.94	39.96 2.39 -16.27	38.52 2.33 -14.59	38.51 1.99 -18.07	39.29 2.20 -17.44	41.61 1.91 -23.63	52.03 2.30 -30.60	85.01 2.29 -64.12	88.57 2.91 -63.30	86.85 2.95 -60.46	83.89 2.78 -58.71	64.47 2.50 -41.35	54.83 2.67 -29.92	41.68 1.95 -23.34	40.10 1.69 -22.64
PROJECT___ORANGE I 24174	10.73 0.02 -4.81	13.49 0.04 -4.09	13.55 0.03 -3.91	13.61 0.02 -3.74	14.55 0.01 -3.64	17.53 0.01 -3.70	27.87 0.00 -3.03	31.00 0.03 -4.42	29.63 0.05 -3.53	26.96 0.10 -2.54	24.09 0.11 -2.67	23.87 0.11 -2.17	21.36 0.09 -2.82	22.31 0.12 -2.55	19.57 0.10 -3.40	22.72 0.11 -3.47	24.22 0.11 -5.51	29.62 0.13 -7.12	30.17 0.12 -6.62	27.52 0.11 -5.00	25.15 0.10 -4.42	25.45 0.09 -3.12	20.25 0.08 -3.77	19.71 0.11 -3.83

PROJECT___ORANGE 2 24166	10.73 0.02 -4.81	13.49 0.04 -4.09	13.55 0.03 -3.91	13.61 0.02 -3.74	14.55 0.01 -3.64	17.53 0.01 -3.70	27.87 0.00 -3.03	31.00 0.03 -4.42	29.63 0.05 -3.53	26.96 0.10 -2.54	24.09 0.11 -2.67	23.87 0.11 -2.17	21.36 0.09 -2.82	22.31 0.12 -2.55	19.57 0.10 -3.40	22.72 0.11 -3.47	24.22 0.11 -5.51	29.62 0.13 -7.12	30.17 0.12 -6.62	27.52 0.11 -5.00	25.15 0.10 -4.42	25.45 0.09 -3.12	20.25 0.08 -3.77	19.71 0.11 -3.83
PUCKETT___SOLAR 323809	17.08 0.19 -10.99	19.04 0.34 -9.33	18.88 0.33 -8.94	18.72 0.32 -8.55	19.56 0.35 -8.31	22.71 0.44 -8.44	32.61 0.85 -6.92	36.52 0.90 -9.06	34.17 0.89 -7.24	30.76 1.00 -5.43	27.95 0.83 -5.81	27.61 0.84 -5.17	25.59 0.68 -6.45	26.60 0.77 -6.19	24.63 0.63 -7.94	28.09 0.78 -8.17	31.94 0.82 -12.52	39.50 1.01 -16.13	38.66 1.06 -14.17	35.02 1.03 -11.59	31.79 0.91 -10.26	30.71 0.93 -7.53	25.54 0.70 -8.44	24.64 0.68 -8.20
PYRITES___HYD 24023	6.66 -0.60 -1.35	9.47 -1.05 -1.15	9.68 -1.03 -1.10	9.95 -0.96 -1.05	10.99 -0.94 -1.02	13.84 -1.02 -1.04	24.08 -1.61 -0.85	26.50 -1.30 -1.25	24.70 -2.34 -1.00	22.56 -2.48 -0.71	28.80 -2.30 -9.80	30.12 -2.31 -10.84	29.78 -1.94 -13.26	8.46 -2.30 8.88	3.73 -1.88 10.46	4.82 -2.35 11.97	5.10 -2.27 11.23	6.34 -2.59 13.43	26.62 -2.55 -5.74	5.82 -2.73 13.85	5.43 -2.41 12.79	5.50 -2.67 14.08	9.04 -2.05 5.31	14.92 -1.92 -1.07
QUAKERRD_115KV_BK1 80622	11.58 -0.05 -5.73	14.16 -0.07 -4.87	14.18 -0.09 -4.66	14.21 -0.10 -4.46	15.08 -0.15 -4.33	18.02 -0.21 -4.40	27.95 -0.50 -3.61	31.10 -0.72 -5.27	29.55 -0.70 -4.21	26.72 -0.56 -2.95	24.02 -0.45 -3.16	23.95 -0.45 -2.81	21.57 -0.39 -3.50	22.61 -0.39 -3.36	20.06 -0.32 -4.31	23.17 -0.40 -4.44	25.01 -0.39 -6.80	30.63 -0.49 -8.76	30.62 -0.52 -7.70	28.20 -0.49 -6.29	25.75 -0.45 -5.57	25.85 -0.49 -4.09	20.65 -0.33 -4.58	20.05 -0.17 -4.45
QUENSBRY_115KV_TB8 356137	37.60 0.45 -31.24	36.58 0.68 -26.53	35.72 0.68 -25.43	34.83 0.68 -24.30	35.26 0.73 -23.62	38.84 1.01 -24.01	46.45 1.94 -19.67	57.33 2.04 -28.73	51.09 2.08 -22.96	45.01 1.85 -18.83	43.03 1.56 -20.17	41.13 1.58 -17.96	42.21 1.37 -22.39	42.55 1.43 -21.47	44.72 1.11 -27.54	48.30 0.82 -28.34	62.94 0.87 -43.46	79.55 1.21 -55.98	73.85 1.24 -49.18	63.71 1.10 -40.21	57.19 0.97 -35.59	49.30 0.91 -26.14	46.31 0.62 -29.29	45.38 1.17 -28.45
RAMAPO___LBMP 323565	30.43 0.25 -24.28	30.34 0.36 -20.62	29.71 0.35 -19.76	29.08 0.34 -18.88	29.63 0.37 -18.36	32.98 0.50 -18.66	41.13 0.99 -15.29	50.05 1.17 -22.33	45.14 1.25 -17.84	39.68 1.19 -14.15	37.47 1.00 -15.16	36.08 0.99 -13.50	36.13 0.85 -16.83	36.70 0.92 -16.14	37.52 0.76 -20.70	41.34 0.90 -21.30	52.12 0.86 -32.66	65.55 1.12 -42.07	61.50 1.10 -36.96	53.65 1.03 -30.22	48.33 0.95 -26.75	42.96 1.07 -19.65	39.20 0.79 -22.02	37.79 0.65 -21.38
RANKINE____ 23646	12.82 0.10 -6.82	15.33 0.17 -5.79	15.31 0.15 -5.55	15.30 0.14 -5.31	16.11 0.05 -5.16	19.05 -0.01 -5.24	28.77 -0.37 -4.30	32.08 -0.74 -6.27	30.41 -0.65 -5.01	27.39 -0.51 -3.57	24.79 -0.34 -3.82	24.61 -0.39 -3.40	22.27 -0.42 -4.24	23.32 -0.39 -4.07	20.92 -0.37 -5.22	24.08 -0.42 -5.37	26.41 -0.43 -8.23	32.27 -0.69 -10.60	32.10 -0.66 -9.32	29.46 -0.56 -7.62	26.90 -0.47 -6.74	26.77 -0.42 -4.95	21.73 -0.21 -5.55	21.32 0.16 -5.39
RAVENSWOOD_GT2_1 24244	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.81 1.19 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.35 1.07 -22.15	53.57 1.00 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT2_2 24245	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.81 1.19 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.35 1.07 -22.15	53.57 1.00 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT2_3 24246	31.34 0.29 -25.15	31.13 0.40 -21.36	30.46 0.38 -20.47	29.81 0.39 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.84	51.09 1.41 -23.13	46.04 1.51 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.05 1.23 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23
RAVENSWOOD_GT2_4 24247	31.34 0.29 -25.15	31.13 0.40 -21.36	30.46 0.38 -20.47	29.81 0.39 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.84	51.09 1.41 -23.13	46.04 1.51 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.05 1.23 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.20 0.92 -22.89	38.75 0.76 -22.23
RAVENSWOOD_GT3_1 24248	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.37 1.09 -22.15	53.57 1.00 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT3_2 24249	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.37 1.09 -22.15	53.57 1.00 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT3_3 24250	31.34 0.29 -25.15	31.14 0.41 -21.36	30.47 0.39 -20.47	29.82 0.40 -19.56	30.34 0.43 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.12 1.43 -23.13	46.06 1.54 -18.48	40.53 1.48 -14.72	38.31 1.24 -15.76	36.86 1.23 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.78	38.52 0.93 -21.52	42.39 1.11 -22.15	53.60 1.04 -33.96	67.47 1.36 -43.74	63.22 1.36 -38.43	55.07 1.25 -31.42	49.55 1.11 -27.81	43.92 1.25 -20.43	40.22 0.93 -22.89	38.77 0.77 -22.23
RAVENSWOOD_GT3_4 24251	31.34 0.29 -25.15	31.14 0.41 -21.36	30.47 0.39 -20.47	29.82 0.40 -19.56	30.34 0.43 -19.02	33.72 0.57 -19.33	41.82 1.14 -15.84	51.12 1.43 -23.13	46.06 1.54 -18.48	40.53 1.48 -14.72	38.31 1.24 -15.76	36.86 1.23 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.78	38.52 0.93 -21.52	42.39 1.11 -22.15	53.60 1.04 -33.96	67.47 1.36 -43.74	63.22 1.36 -38.43	55.07 1.25 -31.42	49.55 1.11 -27.81	43.92 1.25 -20.43	40.22 0.93 -22.89	38.77 0.77 -22.23

RAVENSWOOD_GT_1 23729	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.84 0.42 -19.56	30.38 0.46 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.09 1.41 -23.13	46.06 1.54 -18.48	40.56 1.51 -14.72	38.31 1.24 -15.76	36.83 1.21 -14.03	37.00 1.05 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.35 1.07 -22.15	53.58 1.02 -33.96	67.45 1.34 -43.74	63.20 1.34 -38.43	55.05 1.23 -31.42	49.53 1.09 -27.81	43.88 1.20 -20.43	40.20 0.92 -22.89	38.79 0.79 -22.23
RAVENSWOOD_GT_10 24258	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT_11 24259	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT_4 24252	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT_5 24254	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT_6 24253	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT_7 24255	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.33	41.82 1.14 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD_GT_9 24257	31.33 0.28 -25.15	31.12 0.39 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.06 1.38 -23.13	46.01 1.48 -18.48	40.51 1.46 -14.72	38.28 1.21 -15.76	36.83 1.21 -14.03	36.98 1.03 -17.50	37.54 1.12 -16.78	38.49 0.90 -21.52	42.37 1.09 -22.15	53.58 1.02 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.53 1.09 -27.81	43.90 1.22 -20.43	40.19 0.90 -22.89	38.74 0.74 -22.23
RAVENSWOOD___1 23533	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.83 0.41 -19.56	30.37 0.45 -19.02	33.70 0.55 -19.33	41.77 1.09 -15.84	51.03 1.41 -23.07	45.99 1.51 -18.44	40.59 1.51 -14.75	38.34 1.24 -15.80	36.87 1.21 -14.07	37.03 1.03 -17.54	37.58 1.12 -16.82	38.56 0.92 -21.57	42.41 1.07 -22.20	53.67 1.02 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.58 1.07 -27.88	43.92 1.20 -20.48	40.26 0.92 -22.95	38.82 0.77 -22.28
RAVENSWOOD___2 23534	31.36 0.31 -25.15	31.16 0.43 -21.36	30.49 0.41 -20.47	29.83 0.41 -19.56	30.37 0.45 -19.02	33.69 0.54 -19.33	41.77 1.09 -15.84	51.01 1.38 -23.07	45.99 1.51 -18.44	40.59 1.51 -14.75	38.32 1.21 -15.80	36.85 1.19 -14.07	37.03 1.03 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.41 1.07 -22.20	53.67 1.02 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.11 1.21 -31.50	49.58 1.07 -27.88	43.92 1.20 -20.48	40.26 0.92 -22.95	38.82 0.77 -22.28
RAVENSWOOD___3 23535	31.33 0.28 -25.15	31.13 0.40 -21.36	30.46 0.38 -20.47	29.80 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.33	41.80 1.12 -15.84	51.01 1.38 -23.07	45.97 1.48 -18.44	40.57 1.48 -14.75	38.32 1.21 -15.80	36.87 1.21 -14.07	37.03 1.03 -17.54	37.58 1.12 -16.82	38.56 0.92 -21.57	42.43 1.09 -22.20	53.67 1.02 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.13 1.23 -31.50	49.60 1.09 -27.88	43.95 1.22 -20.48	40.24 0.90 -22.95	38.79 0.74 -22.28
RAVENSWOOD___4 23820	31.36 0.31 -25.15	31.15 0.42 -21.36	30.48 0.40 -20.47	29.82 0.40 -19.56	30.37 0.45 -19.02	33.69 0.54 -19.33	41.77 1.09 -15.84	51.01 1.38 -23.07	45.99 1.51 -18.44	40.57 1.48 -14.75	38.32 1.21 -15.80	36.85 1.19 -14.07	37.01 1.01 -17.54	37.56 1.10 -16.82	38.54 0.90 -21.57	42.39 1.05 -22.20	53.67 1.02 -34.04	67.55 1.34 -43.85	63.29 1.34 -38.52	55.11 1.21 -31.50	49.58 1.07 -27.88	43.90 1.18 -20.48	40.24 0.90 -22.95	38.81 0.76 -22.28
RCPI_TRUST___DRP 24196	31.32 0.28 -25.15	31.12 0.39 -21.35	30.46 0.38 -20.46	29.79 0.38 -19.56	30.33 0.41 -19.02	33.70 0.55 -19.32	41.82 1.14 -15.83	51.09 1.41 -23.13	46.04 1.51 -18.48	40.53 1.48 -14.72	38.30 1.24 -15.76	36.85 1.23 -14.03	37.00 1.05 -17.50	37.56 1.14 -16.77	38.50 0.92 -21.52	42.39 1.11 -22.14	53.58 1.02 -33.95	67.44 1.34 -43.73	63.19 1.34 -38.42	55.05 1.23 -31.41	49.53 1.09 -27.81	43.89 1.22 -20.43	40.20 0.92 -22.89	38.74 0.74 -22.22
RED___ROCHESTER 323720	11.87 0.14 -5.83	14.53 0.22 -4.95	14.57 0.22 -4.74	14.60 0.22 -4.53	15.48 0.17 -4.40	18.49 0.19 -4.48	28.71 0.20 -3.67	31.35 0.05 -4.74	29.89 0.05 -3.79	27.46 0.15 -2.98	24.69 0.19 -3.19	24.65 0.22 -2.84	22.18 0.18 -3.54	23.26 0.22 -3.40	20.60 0.18 -4.36	23.79 0.17 -4.48	25.65 0.17 -6.88	31.40 0.18 -8.86	31.43 0.21 -7.78	28.97 0.20 -6.36	26.45 0.19 -5.63	26.58 0.20 -4.14	21.21 0.18 -4.64	20.62 0.35 -4.50

REGAN___SOLAR 323812	42.59 0.47 -36.22	40.85 0.72 -30.76	39.78 0.69 -29.47	38.70 0.68 -28.17	39.07 0.79 -27.39	42.74 1.08 -27.83	49.84 2.19 -22.81	62.65 2.36 -33.74	55.40 2.39 -26.96	48.13 2.14 -21.66	46.36 1.85 -23.20	43.93 1.69 -20.65	45.76 1.55 -25.76	46.03 1.69 -24.69	49.09 1.35 -31.67	53.44 1.70 -32.60	70.39 1.80 -49.98	89.16 2.42 -64.38	82.43 2.44 -56.56	70.84 2.20 -46.24	63.52 1.96 -40.93	54.32 2.00 -30.07	51.38 1.29 -33.69	49.60 1.12 -32.72
RENSSELAER___COGEN 23796	36.26 0.07 -30.29	35.20 0.10 -25.72	34.39 0.13 -24.65	33.57 0.16 -23.56	33.97 0.16 -22.91	37.28 0.18 -23.28	44.26 0.35 -19.07	55.55 0.29 -28.70	49.32 0.34 -22.93	42.99 0.32 -18.35	41.28 0.32 -19.65	39.39 0.30 -17.49	40.52 0.26 -21.81	40.83 0.27 -20.91	43.14 0.24 -26.82	47.05 0.31 -27.61	61.23 0.30 -42.33	77.22 0.34 -54.52	71.69 0.35 -47.90	61.92 0.36 -39.16	55.63 0.33 -34.67	48.04 0.33 -25.47	45.12 0.20 -28.53	43.63 0.16 -27.71
REPUBLIC_115KV_BARTNBRK 55605	37.81 0.68 -31.23	36.90 1.01 -26.52	36.01 0.99 -25.41	35.11 0.98 -24.29	35.58 1.07 -23.61	39.31 1.49 -24.00	47.39 2.88 -19.66	58.32 3.05 -28.72	52.12 3.13 -22.95	46.00 2.85 -18.83	43.94 2.47 -20.16	41.96 2.42 -17.95	42.92 2.08 -22.38	43.30 2.20 -21.46	45.35 1.75 -27.53	49.13 1.66 -28.33	63.83 1.79 -43.44	80.75 2.44 -55.95	75.07 2.48 -49.15	64.81 2.22 -40.19	58.20 2.00 -35.57	50.31 1.94 -26.13	46.93 1.26 -29.28	45.92 1.72 -28.43
REVERE_CPPR_DRP 24186	8.68 0.12 -2.66	11.85 0.22 -2.26	11.98 0.21 -2.16	12.13 0.22 -2.07	13.17 0.26 -2.01	16.24 0.37 -2.04	27.39 0.87 -1.67	30.03 1.04 -2.44	28.94 0.94 -1.95	26.53 0.80 -1.40	24.16 0.68 -2.18	24.38 0.67 -2.12	21.63 0.57 -2.61	21.11 0.57 -0.90	17.76 0.48 -1.21	20.87 0.57 -1.16	21.54 0.65 -2.29	26.22 0.83 -3.03	28.27 0.89 -3.94	25.10 0.83 -1.87	22.97 0.72 -1.62	23.76 0.67 -0.85	18.58 0.48 -1.71	18.26 0.38 -2.11
REYNOLDS_115KV_TB3 80639	36.36 0.12 -30.33	35.31 0.18 -25.76	34.50 0.20 -24.69	33.66 0.22 -23.59	34.08 0.24 -22.94	37.42 0.29 -23.31	44.52 0.57 -19.10	54.95 0.50 -27.90	48.91 0.57 -22.29	43.18 0.54 -18.32	41.44 0.51 -19.62	39.58 0.52 -17.47	40.67 0.44 -21.78	40.98 0.45 -20.88	43.24 0.39 -26.78	47.16 0.46 -27.56	61.32 0.45 -42.27	77.30 0.49 -54.44	71.80 0.54 -47.83	62.05 0.54 -39.11	55.74 0.50 -34.62	48.18 0.51 -25.43	45.23 0.34 -28.49	43.75 0.32 -27.67
RIVERBAY___ 323610	31.43 0.38 -25.15	31.27 0.54 -21.36	30.60 0.53 -20.47	29.96 0.55 -19.56	30.51 0.59 -19.02	33.77 0.62 -19.33	41.82 1.14 -15.84	51.14 1.46 -23.13	46.12 1.59 -18.48	40.58 1.53 -14.72	38.33 1.26 -15.76	36.86 1.23 -14.03	37.00 1.05 -17.50	37.54 1.12 -16.78	38.51 0.92 -21.52	42.35 1.07 -22.15	53.58 1.02 -33.96	67.45 1.34 -43.74	63.22 1.36 -38.43	55.07 1.25 -31.42	49.55 1.11 -27.81	43.90 1.22 -20.43	40.25 0.97 -22.89	38.90 0.90 -22.23
RIVERSDE_115KV_TB3 55908	36.40 0.10 -30.40	35.34 0.15 -25.82	34.52 0.17 -24.74	33.69 0.19 -23.65	34.10 0.21 -22.99	37.44 0.25 -23.36	44.46 0.47 -19.14	54.94 0.42 -27.96	48.88 0.49 -22.34	43.16 0.46 -18.36	41.42 0.45 -19.67	39.53 0.43 -17.51	40.66 0.37 -21.84	40.97 0.39 -20.93	43.26 0.34 -26.85	47.17 0.40 -27.63	61.39 0.41 -42.37	77.39 0.45 -54.58	71.88 0.49 -47.95	62.08 0.47 -39.21	55.77 0.43 -34.70	48.18 0.44 -25.49	45.24 0.28 -28.56	43.76 0.25 -27.74
ROARING___BROOK_WT_PWR 323790	6.10 -0.45 -0.65	9.17 -0.75 -0.55	9.42 -0.72 -0.53	9.69 -0.67 -0.51	10.72 -0.68 -0.49	13.51 -0.82 -0.50	23.76 -1.49 -0.41	25.62 -1.46 -0.53	24.65 -1.82 -0.42	22.81 -1.85 -0.33	16.08 -1.68 3.54	3.96 -1.73 15.90	4.12 -1.46 12.87	0.00 -1.57 18.07	-0.70 -1.29 15.48	0.00 -1.53 17.61	0.00 -1.49 17.11	0.00 -1.77 20.60	21.82 -1.85 -0.24	0.00 -1.77 20.63	0.00 -1.63 19.00	0.00 -1.78 20.46	6.69 -1.31 8.39	15.06 -1.21 -0.50
ROCHESRG_115KV_T4 355643	11.80 0.09 -5.81	14.44 0.14 -4.93	14.48 0.14 -4.72	14.50 0.13 -4.52	15.38 0.09 -4.39	18.35 0.07 -4.46	28.45 -0.05 -3.66	31.65 -0.24 -5.34	30.08 -0.23 -4.27	27.22 -0.12 -3.01	24.49 -0.04 -3.23	24.42 -0.04 -2.87	21.98 -0.06 -3.58	23.06 -0.02 -3.44	20.44 -0.03 -4.41	23.61 -0.06 -4.53	25.50 -0.06 -6.95	31.21 -0.11 -8.96	31.19 -0.12 -7.87	28.75 -0.09 -6.43	26.24 -0.08 -5.69	26.38 -0.04 -4.18	21.08 0.00 -4.69	20.51 0.19 -4.55
ROCHESTER_9_IC 23652	11.85 0.12 -5.83	14.50 0.19 -4.95	14.54 0.19 -4.74	14.56 0.18 -4.53	15.45 0.14 -4.40	18.44 0.14 -4.48	28.61 0.10 -3.67	31.83 -0.08 -5.36	30.25 -0.08 -4.28	27.40 0.05 -3.02	24.63 0.09 -3.24	24.58 0.11 -2.88	22.12 0.07 -3.59	23.21 0.12 -3.45	20.57 0.08 -4.42	23.76 0.08 -4.55	25.65 0.07 -6.98	31.42 0.07 -8.98	31.40 0.07 -7.89	28.95 0.09 -6.45	26.40 0.06 -5.71	26.53 0.09 -4.20	21.19 0.10 -4.70	20.62 0.28 -4.57
ROCKVIEW_13_KV_LD 356306	31.35 0.30 -25.15	31.15 0.42 -21.36	30.48 0.40 -20.47	29.83 0.41 -19.56	30.35 0.44 -19.02	33.74 0.59 -19.33	41.90 1.22 -15.84	51.14 1.46 -23.13	46.09 1.56 -18.48	40.53 1.48 -14.72	38.33 1.26 -15.76	36.88 1.25 -14.03	37.02 1.07 -17.50	37.58 1.16 -16.78	38.54 0.95 -21.52	42.43 1.15 -22.15	53.66 1.10 -33.96	67.53 1.43 -43.74	63.29 1.43 -38.42	55.14 1.32 -31.42	49.64 1.20 -27.81	44.01 1.33 -20.43	40.23 0.95 -22.89	38.80 0.80 -22.23
ROME___115KV_TB2 80656	8.68 0.12 -2.66	11.85 0.22 -2.26	11.98 0.21 -2.16	12.13 0.22 -2.07	13.17 0.26 -2.01	16.24 0.37 -2.04	27.39 0.87 -1.67	30.03 1.04 -2.44	28.94 0.94 -1.95	26.53 0.80 -1.40	24.16 0.68 -2.18	24.38 0.67 -2.12	21.63 0.57 -2.61	21.11 0.57 -0.90	17.76 0.48 -1.21	20.87 0.57 -1.16	21.54 0.65 -2.29	26.22 0.83 -3.03	28.27 0.89 -3.94	25.10 0.83 -1.87	22.97 0.72 -1.62	23.76 0.67 -0.85	18.58 0.48 -1.71	18.26 0.38 -2.11
ROSETON___1 23587	31.05 0.24 -24.91	30.86 0.34 -21.16	30.21 0.33 -20.28	29.55 0.32 -19.38	30.10 0.36 -18.84	33.45 0.48 -19.15	41.50 0.97 -15.69	50.50 1.12 -22.84	45.49 1.20 -18.25	40.08 1.14 -14.60	37.91 0.96 -15.64	36.49 0.97 -13.92	36.64 0.83 -17.36	37.17 0.88 -16.64	38.14 0.72 -21.35	41.99 0.88 -21.97	53.13 0.84 -33.69	66.83 1.07 -43.40	62.64 1.08 -38.12	54.58 1.01 -31.17	49.15 0.93 -27.59	43.56 1.05 -20.27	39.84 0.74 -22.71	38.44 0.61 -22.05
ROSETON___2 23588	31.05 0.24 -24.91	30.86 0.34 -21.16	30.21 0.33 -20.28	29.55 0.32 -19.38	30.10 0.36 -18.84	33.45 0.48 -19.15	41.50 0.97 -15.69	50.50 1.12 -22.84	45.49 1.20 -18.25	40.08 1.14 -14.60	37.91 0.96 -15.64	36.49 0.97 -13.92	36.64 0.83 -17.36	37.17 0.88 -16.64	38.14 0.72 -21.35	41.99 0.88 -21.97	53.13 0.84 -33.69	66.83 1.07 -43.40	62.64 1.08 -38.12	54.58 1.01 -31.17	49.15 0.93 -27.59	43.56 1.05 -20.27	39.84 0.74 -22.71	38.44 0.61 -22.05
ROTTDRAM_115KV_TB3 80664	37.68 0.20 -31.58	36.50 0.32 -26.81	35.62 0.32 -25.70	34.74 0.33 -24.56	35.14 0.36 -23.88	38.54 0.46 -24.27	45.62 0.89 -19.88	56.52 0.93 -29.04	50.19 0.94 -23.20	44.24 0.88 -19.03	42.44 0.75 -20.38	40.49 0.65 -18.15	41.73 0.65 -22.63	42.03 0.69 -21.69	44.46 0.56 -27.83	48.41 0.63 -28.64	63.15 0.63 -43.91	79.71 0.78 -56.56	73.95 0.82 -49.69	63.79 0.76 -40.63	57.29 0.70 -35.96	49.40 0.73 -26.42	46.49 0.49 -29.60	45.03 0.52 -28.74

RUSSELL___1 23602	11.87 0.14 -5.83	14.53 0.22 -4.95	14.57 0.22 -4.74	14.59 0.21 -4.53	15.48 0.17 -4.40	18.49 0.19 -4.48	28.71 0.20 -3.67	31.96 0.05 -5.36	30.38 0.05 -4.28	27.52 0.17 -3.02	24.74 0.19 -3.24	24.69 0.22 -2.88	22.23 0.18 -3.59	23.31 0.22 -3.45	20.67 0.18 -4.42	23.88 0.19 -4.55	25.75 0.17 -6.98	31.55 0.20 -8.98	31.54 0.21 -7.89	29.06 0.20 -6.45	26.53 0.19 -5.71	26.66 0.22 -4.20	21.28 0.18 -4.70	20.68 0.35 -4.57
RUSSELL___2 23532	11.87 0.14 -5.83	14.53 0.22 -4.95	14.57 0.22 -4.74	14.59 0.21 -4.53	15.48 0.17 -4.40	18.49 0.19 -4.48	28.71 0.20 -3.67	31.96 0.05 -5.36	30.38 0.05 -4.28	27.52 0.17 -3.02	24.74 0.19 -3.24	24.69 0.22 -2.88	22.23 0.18 -3.59	23.31 0.22 -3.45	20.67 0.18 -4.42	23.88 0.19 -4.55	25.75 0.17 -6.98	31.55 0.20 -8.98	31.54 0.21 -7.89	29.06 0.20 -6.45	26.53 0.19 -5.71	26.66 0.22 -4.20	21.28 0.18 -4.70	20.68 0.35 -4.57
RUSSELL___3 23549	11.87 0.14 -5.83	14.53 0.22 -4.95	14.57 0.22 -4.74	14.59 0.21 -4.53	15.48 0.17 -4.40	18.49 0.19 -4.48	28.71 0.20 -3.67	31.96 0.05 -5.36	30.38 0.05 -4.28	27.52 0.17 -3.02	24.74 0.19 -3.24	24.69 0.22 -2.88	22.23 0.18 -3.59	23.31 0.22 -3.45	20.67 0.18 -4.42	23.88 0.19 -4.55	25.75 0.17 -6.98	31.55 0.20 -8.98	31.54 0.21 -7.89	29.06 0.20 -6.45	26.53 0.19 -5.71	26.66 0.22 -4.20	21.28 0.18 -4.70	20.68 0.35 -4.57
RUSSELL___4 23556	11.87 0.14 -5.83	14.53 0.22 -4.95	14.57 0.22 -4.74	14.59 0.21 -4.53	15.48 0.17 -4.40	18.49 0.19 -4.48	28.71 0.20 -3.67	31.96 0.05 -5.36	30.38 0.05 -4.28	27.52 0.17 -3.02	24.74 0.19 -3.24	24.69 0.22 -2.88	22.23 0.18 -3.59	23.31 0.22 -3.45	20.67 0.18 -4.42	23.88 0.19 -4.55	25.75 0.17 -6.98	31.55 0.20 -8.98	31.54 0.21 -7.89	29.06 0.20 -6.45	26.53 0.19 -5.71	26.66 0.22 -4.20	21.28 0.18 -4.70	20.68 0.35 -4.57
RUSSELL___STATION 23914	11.87 0.14 -5.83	14.53 0.22 -4.95	14.57 0.22 -4.74	14.59 0.21 -4.53	15.48 0.17 -4.40	18.49 0.19 -4.48	28.71 0.20 -3.67	31.96 0.05 -5.36	30.38 0.05 -4.28	27.52 0.17 -3.02	24.74 0.19 -3.24	24.69 0.22 -2.88	22.23 0.18 -3.59	23.31 0.22 -3.45	20.67 0.18 -4.42	23.88 0.19 -4.55	25.75 0.17 -6.98	31.55 0.20 -8.98	31.54 0.21 -7.89	29.06 0.20 -6.45	26.53 0.19 -5.71	26.66 0.22 -4.20	21.28 0.18 -4.70	20.68 0.35 -4.57
S SALMON___HYD 24043	9.91 -0.07 -4.08	12.73 -0.10 -3.46	12.80 -0.13 -3.32	12.90 -0.13 -3.17	13.86 -0.13 -3.09	16.82 -0.14 -3.14	27.24 -0.17 -2.57	29.75 -0.16 -3.36	28.50 -0.23 -2.68	26.18 -0.27 -2.12	24.30 -0.23 -3.23	24.48 -0.24 -3.13	22.07 -0.24 -3.86	20.82 -0.19 -1.43	17.79 -0.23 -1.91	20.75 -0.15 -1.84	22.01 -0.13 -3.56	26.93 -0.12 -4.70	29.26 -0.12 -5.94	25.23 -0.11 -2.94	23.05 -0.12 -2.55	23.46 -0.18 -1.39	18.90 -0.13 -2.63	18.81 -0.16 -3.20
S.PERRY___115KV_TB1 80734	13.27 0.28 -7.09	15.83 0.44 -6.02	15.83 0.45 -5.77	15.81 0.44 -5.51	16.70 0.44 -5.36	19.83 0.55 -5.45	30.23 0.92 -4.46	33.98 0.90 -6.52	32.01 0.76 -5.21	28.75 0.68 -3.74	25.84 0.53 -4.00	25.63 0.48 -3.56	23.13 0.24 -4.44	24.28 0.37 -4.26	21.85 0.32 -5.46	25.24 0.48 -5.62	27.78 0.56 -8.62	34.29 0.83 -11.10	34.15 0.96 -9.75	31.30 0.92 -7.97	28.51 0.83 -7.06	28.28 0.85 -5.19	22.83 0.62 -5.81	22.18 0.77 -5.64
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	12.66 0.09 -6.67	15.18 0.14 -5.67	15.17 0.13 -5.43	15.16 0.12 -5.19	15.98 0.03 -5.05	18.88 -0.07 -5.13	28.57 -0.47 -4.20	31.76 -0.93 -6.14	30.12 -0.83 -4.90	27.16 -0.66 -3.49	24.55 -0.49 -3.74	24.42 -0.50 -3.33	22.08 -0.52 -4.15	23.13 -0.49 -3.98	20.74 -0.43 -5.10	23.87 -0.52 -5.25	26.11 -0.54 -8.05	31.88 -0.85 -10.37	31.72 -0.82 -9.11	29.13 -0.72 -7.45	26.60 -0.62 -6.59	26.53 -0.56 -4.84	21.52 -0.30 -5.43	21.12 0.08 -5.27
SAWYER___23_KV_LOAD 55526	12.66 0.09 -6.67	15.18 0.14 -5.67	15.17 0.13 -5.43	15.16 0.12 -5.19	15.98 0.03 -5.05	18.88 -0.07 -5.13	28.57 -0.47 -4.20	31.76 -0.93 -6.14	30.12 -0.83 -4.90	27.16 -0.66 -3.49	24.55 -0.49 -3.74	24.42 -0.50 -3.33	22.08 -0.52 -4.15	23.13 -0.49 -3.98	20.74 -0.43 -5.10	23.87 -0.52 -5.25	26.11 -0.54 -8.05	31.88 -0.85 -10.37	31.72 -0.82 -9.11	29.13 -0.72 -7.45	26.60 -0.62 -6.59	26.53 -0.56 -4.84	21.52 -0.30 -5.43	21.12 0.08 -5.27
SELKIRK___I 23801	36.23 0.12 -30.21	35.21 0.19 -25.66	34.40 0.20 -24.59	33.57 0.22 -23.50	33.98 0.23 -22.85	37.30 0.26 -23.22	44.39 0.52 -19.02	55.76 0.50 -28.70	49.53 0.55 -22.93	43.18 0.51 -18.34	41.40 0.45 -19.65	39.54 0.45 -17.49	40.65 0.39 -21.81	40.97 0.41 -20.91	43.24 0.35 -26.82	47.16 0.42 -27.60	61.33 0.41 -42.32	77.37 0.49 -54.51	71.84 0.51 -47.89	62.05 0.49 -39.16	55.74 0.45 -34.66	48.19 0.49 -25.46	45.25 0.33 -28.53	43.76 0.28 -27.70
SELKIRK___II 23799	36.19 0.11 -30.19	35.17 0.17 -25.64	34.36 0.18 -24.57	33.53 0.20 -23.48	33.95 0.22 -22.83	37.27 0.25 -23.20	44.32 0.47 -19.01	55.65 0.45 -28.65	49.43 0.49 -22.89	43.08 0.44 -18.31	41.32 0.40 -19.61	39.46 0.41 -17.46	40.57 0.35 -21.77	40.89 0.37 -20.87	43.16 0.32 -26.77	47.07 0.38 -27.55	61.24 0.39 -42.24	77.22 0.45 -54.41	71.71 0.47 -47.80	61.96 0.47 -39.08	55.66 0.43 -34.60	48.10 0.44 -25.41	45.16 0.30 -28.48	43.67 0.25 -27.65
SENECA OSWGO___HYD 24041	10.37 -0.04 -4.51	13.14 -0.06 -3.83	13.22 -0.06 -3.67	13.29 -0.07 -3.51	14.22 -0.09 -3.41	17.19 -0.10 -3.47	27.46 -0.22 -2.84	30.03 -0.24 -3.72	28.81 -0.21 -2.97	26.50 -0.17 -2.34	24.00 -0.13 -2.82	24.08 -0.11 -2.59	21.58 -0.09 -3.22	21.92 -0.08 -2.35	19.03 -0.08 -3.04	22.15 -0.08 -3.09	23.51 -0.07 -4.98	28.72 -0.09 -6.45	29.59 -0.09 -6.25	26.83 -0.07 -4.49	24.51 -0.08 -3.96	24.89 -0.11 -2.75	19.76 -0.07 -3.43	19.26 -0.05 -3.54
SENECA___115KV_TB3 355854	12.83 0.11 -6.82	15.34 0.18 -5.79	15.33 0.17 -5.55	15.32 0.16 -5.31	16.14 0.08 -5.16	19.07 0.00 -5.24	28.82 -0.32 -4.30	32.14 -0.69 -6.27	30.46 -0.60 -5.01	27.44 -0.46 -3.57	24.83 -0.30 -3.82	24.65 -0.35 -3.40	22.31 -0.39 -4.24	23.36 -0.35 -4.07	20.95 -0.34 -5.22	24.12 -0.38 -5.37	26.44 -0.39 -8.23	32.32 -0.65 -10.60	32.14 -0.61 -9.32	29.50 -0.52 -7.62	26.94 -0.43 -6.74	26.82 -0.38 -4.95	21.76 -0.18 -5.55	21.33 0.17 -5.39
SENECA___ENERGY 23797	11.83 0.05 -5.87	14.44 0.08 -4.99	14.48 0.09 -4.78	14.49 0.07 -4.57	15.42 0.08 -4.44	18.45 0.11 -4.51	28.72 0.18 -3.70	32.17 0.56 -5.05	30.66 0.57 -4.04	28.03 0.53 -3.17	25.13 0.47 -3.36	24.89 0.47 -2.83	22.44 0.37 -3.62	23.42 0.43 -3.35	20.77 0.30 -4.39	24.06 0.42 -4.50	26.11 0.47 -7.04	32.06 0.60 -9.09	32.31 0.61 -8.26	29.43 0.58 -6.45	26.84 0.52 -5.70	26.82 0.49 -4.09	21.53 0.34 -4.79	20.94 0.39 -4.78
SHOEMAKER___GT 23640	29.34 0.21 -23.23	29.42 0.32 -19.73	28.81 0.30 -18.91	28.22 0.30 -18.07	28.78 0.32 -17.57	32.11 0.43 -17.85	40.32 0.85 -14.63	48.67 0.98 -21.13	43.94 1.01 -16.88	38.79 0.95 -13.51	36.57 0.79 -14.47	35.25 0.78 -12.88	35.20 0.68 -16.07	35.80 0.75 -15.40	36.44 0.61 -19.76	40.22 0.75 -20.33	50.51 0.72 -31.18	63.49 0.96 -40.16	59.70 0.98 -35.28	52.17 0.92 -28.85	47.01 0.85 -25.54	41.94 0.93 -18.76	38.07 0.66 -21.02	36.73 0.55 -20.41

SHOEMAKR_138KV_BK 111 55601	29.21 0.21 -23.10	29.29 0.31 -19.61	28.70 0.30 -18.80	28.11 0.30 -17.96	28.68 0.32 -17.46	32.00 0.43 -17.75	40.23 0.84 -14.54	48.78 0.98 -21.24	44.06 1.04 -16.97	38.67 0.95 -13.39	36.44 0.79 -14.34	35.14 0.78 -12.77	35.05 0.68 -15.92	35.65 0.75 -15.26	36.26 0.61 -19.58	40.03 0.75 -20.15	50.20 0.71 -30.89	63.10 0.94 -39.79	59.35 0.96 -34.96	51.88 0.90 -28.58	46.76 0.83 -25.30	41.76 0.93 -18.59	37.87 0.66 -20.82	36.54 0.55 -20.22
SHOREHAM_IC_1 23715	32.26 0.64 -25.72	31.58 0.85 -21.36	30.91 0.84 -20.47	30.13 0.71 -19.56	30.75 0.83 -19.02	34.39 1.24 -19.33	43.47 2.66 -15.96	52.50 2.87 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.94	39.96 2.39 -16.27	38.52 2.33 -14.59	38.51 1.99 -18.07	39.29 2.20 -17.44	41.61 1.91 -23.63	52.03 2.30 -30.60	85.01 2.29 -64.12	88.57 2.91 -63.30	86.85 2.95 -60.46	83.89 2.78 -58.71	64.47 2.50 -41.35	54.83 2.67 -29.92	41.68 1.95 -23.34	40.10 1.69 -22.64
SHOREHAM_IC_2 23716	32.26 0.64 -25.72	31.58 0.85 -21.36	30.91 0.84 -20.47	30.13 0.71 -19.56	30.75 0.83 -19.02	34.39 1.24 -19.33	43.47 2.66 -15.96	52.50 2.87 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.94	39.96 2.39 -16.27	38.52 2.33 -14.59	38.51 1.99 -18.07	39.29 2.20 -17.44	41.61 1.91 -23.63	52.03 2.30 -30.60	85.01 2.29 -64.12	88.57 2.91 -63.30	86.85 2.95 -60.46	83.89 2.78 -58.71	64.47 2.50 -41.35	54.83 2.67 -29.92	41.68 1.95 -23.34	40.10 1.69 -22.64
SISSONVILLE____ 23735	6.65 -0.65 -1.39	9.41 -1.14 -1.18	9.63 -1.11 -1.13	9.88 -1.05 -1.08	10.89 -1.07 -1.05	13.69 -1.20 -1.07	23.66 -2.06 -0.88	26.03 -1.81 -1.28	24.28 -2.79 -1.02	22.24 -2.82 -0.73	28.65 -2.56 -9.90	30.21 -2.57 -11.19	29.85 -2.16 -13.56	8.60 -2.53 8.51	3.86 -2.09 10.13	4.94 -2.60 11.59	5.20 -2.55 10.85	6.43 -2.97 12.96	26.27 -2.98 -5.81	5.91 -3.09 13.40	5.51 -2.74 12.38	5.63 -2.96 13.65	9.04 -2.25 5.11	14.81 -2.07 -1.10
SITHE_IND_GS1 24169	9.75 -0.10 -3.95	12.56 -0.16 -3.35	12.66 -0.16 -3.21	12.75 -0.18 -3.07	13.68 -0.21 -2.99	16.59 -0.26 -3.03	26.78 -0.55 -2.49	29.19 -0.61 -3.24	28.07 -0.57 -2.59	25.87 -0.51 -2.05	23.08 -0.43 -2.20	23.12 -0.43 -1.95	20.52 -0.37 -2.44	21.59 -0.39 -2.34	18.75 -0.32 -3.00	21.84 -0.38 -3.08	22.96 -0.37 -4.73	28.01 -0.45 -6.09	28.30 -0.49 -5.35	26.33 -0.45 -4.38	24.09 -0.41 -3.87	24.65 -0.44 -2.85	19.29 -0.29 -3.19	18.61 -0.25 -3.10
SITHE_IND_GS2 24170	9.75 -0.10 -3.95	12.56 -0.16 -3.35	12.66 -0.16 -3.21	12.75 -0.18 -3.07	13.68 -0.21 -2.99	16.59 -0.26 -3.03	26.78 -0.55 -2.49	29.19 -0.61 -3.24	28.07 -0.57 -2.59	25.87 -0.51 -2.05	23.08 -0.43 -2.20	23.12 -0.43 -1.95	20.52 -0.37 -2.44	21.59 -0.39 -2.34	18.75 -0.32 -3.00	21.84 -0.38 -3.08	22.96 -0.37 -4.73	28.01 -0.45 -6.09	28.30 -0.49 -5.35	26.33 -0.45 -4.38	24.09 -0.41 -3.87	24.65 -0.44 -2.85	19.29 -0.29 -3.19	18.61 -0.25 -3.10
SITHE_IND_GS3 24171	9.75 -0.10 -3.95	12.56 -0.16 -3.35	12.66 -0.16 -3.21	12.75 -0.18 -3.07	13.68 -0.21 -2.99	16.59 -0.26 -3.03	26.78 -0.55 -2.49	29.19 -0.61 -3.24	28.07 -0.57 -2.59	25.87 -0.51 -2.05	23.08 -0.43 -2.20	23.12 -0.43 -1.95	20.52 -0.37 -2.44	21.59 -0.39 -2.34	18.75 -0.32 -3.00	21.84 -0.38 -3.08	22.96 -0.37 -4.73	28.01 -0.45 -6.09	28.30 -0.49 -5.35	26.33 -0.45 -4.38	24.09 -0.41 -3.87	24.65 -0.44 -2.85	19.29 -0.29 -3.19	18.61 -0.25 -3.10
SITHE_IND_GS4 24172	9.75 -0.10 -3.95	12.56 -0.16 -3.35	12.66 -0.16 -3.21	12.75 -0.18 -3.07	13.68 -0.21 -2.99	16.59 -0.26 -3.03	26.78 -0.55 -2.49	29.19 -0.61 -3.24	28.07 -0.57 -2.59	25.87 -0.51 -2.05	23.08 -0.43 -2.20	23.12 -0.43 -1.95	20.52 -0.37 -2.44	21.59 -0.39 -2.34	18.75 -0.32 -3.00	21.84 -0.38 -3.08	22.96 -0.37 -4.73	28.01 -0.45 -6.09	28.30 -0.49 -5.35	26.33 -0.45 -4.38	24.09 -0.41 -3.87	24.65 -0.44 -2.85	19.29 -0.29 -3.19	18.61 -0.25 -3.10
SITHE____BATAVIA 24024	12.35 0.19 -6.26	14.99 0.31 -5.31	15.02 0.32 -5.09	15.03 0.31 -4.87	15.88 0.25 -4.73	18.89 0.26 -4.81	29.03 0.25 -3.94	31.66 0.00 -5.11	30.10 -0.03 -4.08	27.61 0.07 -3.21	24.87 0.13 -3.44	24.78 0.13 -3.06	22.34 0.07 -3.82	23.42 0.12 -3.66	20.84 0.08 -4.69	24.04 0.08 -4.83	26.10 0.09 -7.40	31.95 0.04 -9.54	31.91 0.09 -8.38	29.36 0.11 -6.85	26.82 0.12 -6.06	26.86 0.16 -4.45	21.56 0.18 -4.99	21.07 0.46 -4.85
SITHE____INDEPEND 23800	9.75 -0.10 -3.95	12.56 -0.16 -3.35	12.66 -0.16 -3.21	12.75 -0.18 -3.07	13.68 -0.21 -2.99	16.59 -0.26 -3.03	26.78 -0.55 -2.49	29.57 -0.61 -3.63	28.37 -0.57 -2.90	25.89 -0.51 -2.07	23.10 -0.43 -2.22	23.13 -0.43 -1.97	20.54 -0.37 -2.46	21.61 -0.39 -2.36	18.78 -0.32 -3.03	21.87 -0.38 -3.11	23.01 -0.37 -4.78	28.07 -0.45 -6.15	28.37 -0.47 -5.40	26.37 -0.45 -4.42	24.13 -0.41 -3.91	24.67 -0.44 -2.87	19.32 -0.30 -3.22	18.64 -0.25 -3.13
SITHE____MASSENA 23902	6.33 -0.67 -1.09	9.11 -1.19 -0.93	9.35 -1.15 -0.89	9.62 -1.08 -0.85	10.67 -1.06 -0.83	13.48 -1.19 -0.84	23.50 -2.04 -0.69	25.64 -1.81 -0.90	23.98 -2.79 -0.72	22.00 -2.90 -0.56	14.85 -2.69 3.77	3.77 -2.68 15.15	3.68 -2.23 12.54	1.81 -2.59 15.25	1.31 -2.12 12.64	2.14 -2.58 14.42	2.30 -2.53 13.77	2.87 -2.97 16.52	20.98 -3.00 -0.54	2.50 -3.11 16.79	2.40 -2.74 15.48	2.34 -3.05 16.86	7.45 -2.31 6.63	14.51 -2.11 -0.85
SITHE____OGDNSBRG 24021	6.57 -0.61 -1.28	9.38 -1.08 -1.09	9.60 -1.05 -1.04	9.86 -0.99 -0.99	10.92 -0.95 -0.97	13.77 -1.04 -0.98	23.98 -1.66 -0.80	26.37 -1.35 -1.18	24.56 -2.42 -0.94	22.42 -2.58 -0.67	28.49 -2.41 -9.59	29.35 -2.42 -10.17	29.13 -2.01 -12.69	7.66 -2.38 9.61	3.03 -1.94 11.10	4.06 -2.39 12.69	4.32 -2.31 11.98	5.37 -2.66 14.33	26.42 -2.62 -5.61	4.91 -2.78 14.71	4.60 -2.45 13.58	4.61 -2.74 14.89	8.60 -2.10 5.70	14.81 -1.97 -1.01
SITHE____STERLING 23777	9.04 0.12 -3.02	12.15 0.22 -2.57	12.27 0.20 -2.46	12.41 0.21 -2.35	13.44 0.25 -2.29	16.49 0.35 -2.32	27.49 0.74 -1.90	29.92 0.87 -2.50	28.85 0.81 -1.99	26.61 0.71 -1.57	24.03 0.62 -2.11	24.19 0.60 -1.99	21.43 0.52 -2.46	21.50 0.51 -1.35	18.27 0.43 -1.77	21.44 0.54 -1.76	22.19 0.56 -3.03	27.03 0.72 -3.95	28.47 0.75 -4.28	25.74 0.70 -2.65	23.57 0.62 -2.32	24.31 0.58 -1.49	18.97 0.43 -2.15	18.50 0.36 -2.37
SLEIGHT__34_KV_TB1 80719	11.67 0.05 -5.72	14.29 0.07 -4.86	14.33 0.07 -4.65	14.35 0.05 -4.45	15.26 0.03 -4.32	18.27 0.06 -4.39	28.47 0.02 -3.60	31.73 -0.08 -5.26	30.20 -0.05 -4.20	27.32 0.02 -2.96	24.54 0.06 -3.17	24.50 0.09 -2.82	22.05 0.07 -3.52	23.12 0.10 -3.38	20.47 0.06 -4.33	23.67 0.08 -4.46	25.51 0.07 -6.83	31.28 0.11 -8.80	31.26 0.09 -7.73	28.81 0.09 -6.32	26.29 0.06 -5.60	26.38 0.02 -4.11	21.03 0.03 -4.61	20.38 0.14 -4.47
SOUTH CAIRO____GT 23612	35.05 0.32 -28.83	34.36 0.51 -24.48	33.58 0.51 -23.46	32.81 0.54 -22.42	33.29 0.59 -21.80	36.72 0.75 -22.15	44.46 1.47 -18.15	54.84 1.20 -27.10	48.84 1.14 -21.65	42.50 0.85 -17.32	40.58 0.72 -18.55	38.78 0.67 -16.51	39.73 0.68 -20.59	40.11 0.73 -19.74	42.02 0.63 -25.32	46.02 0.82 -26.06	59.53 0.97 -39.96	75.22 1.39 -51.47	70.16 1.50 -45.22	60.76 1.39 -36.97	54.64 1.28 -32.73	47.51 1.22 -24.04	44.02 0.69 -26.94	42.59 0.66 -26.16

SOUTH HAMPTN___IC 23720	32.33 0.71 -25.71	31.69 0.97 -21.36	31.03 0.95 -20.47	30.24 0.83 -19.56	30.87 0.95 -19.02	34.56 1.41 -19.33	43.76 2.95 -15.96	52.82 3.18 -23.08	47.85 3.36 -18.44	42.53 3.26 -14.93	40.23 2.66 -16.26	38.79 2.61 -14.59	38.72 2.21 -18.06	39.53 2.46 -17.43	41.81 2.12 -23.62	52.30 2.57 -30.60	85.29 2.57 -64.12	88.91 3.24 -63.30	87.20 3.31 -60.46	84.20 3.09 -58.71	64.76 2.78 -41.35	55.14 2.98 -29.91	41.87 2.15 -23.33	40.28 1.88 -22.63
SOUTHDOW_115KV_TB1 355954	13.17 0.18 -7.09	15.67 0.28 -6.02	15.63 0.25 -5.77	15.60 0.24 -5.52	16.42 0.15 -5.36	19.40 0.12 -5.45	29.33 0.02 -4.47	32.97 -0.11 -6.52	31.05 -0.21 -5.21	27.92 -0.12 -3.71	25.26 -0.02 -3.98	25.02 -0.11 -3.54	22.61 -0.26 -4.41	23.64 -0.24 -4.23	21.24 -0.26 -5.43	24.44 -0.29 -5.59	26.93 -0.24 -8.57	33.00 -0.40 -11.03	32.80 -0.33 -9.69	30.10 -0.22 -7.93	27.50 -0.14 -7.02	27.35 -0.04 -5.15	22.17 0.00 -5.77	21.66 0.28 -5.61
SOUTHOLD_69_KV_BK 2 55809	32.42 0.81 -25.71	31.85 1.12 -21.36	31.18 1.10 -20.47	30.45 1.03 -19.56	31.03 1.11 -19.02	34.77 1.62 -19.33	44.18 3.38 -15.96	53.32 3.64 -23.13	48.36 3.83 -18.48	42.83 3.60 -14.90	40.51 2.98 -16.23	39.10 2.96 -14.55	38.98 2.51 -18.02	39.79 2.75 -17.39	41.92 2.28 -23.57	52.47 2.79 -30.54	85.46 2.83 -64.03	89.13 3.58 -63.19	87.48 3.68 -60.36	84.46 3.43 -58.63	65.02 3.12 -41.28	55.36 3.25 -29.86	42.10 2.43 -23.28	40.49 2.14 -22.58
SOUTHOLD___IC 23719	32.42 0.81 -25.71	31.85 1.12 -21.36	31.18 1.10 -20.47	30.39 0.98 -19.56	31.03 1.11 -19.02	34.77 1.62 -19.33	44.18 3.38 -15.96	53.27 3.64 -23.08	48.32 3.83 -18.44	42.96 3.70 -14.93	40.60 3.02 -16.26	39.14 2.96 -14.59	39.02 2.51 -18.06	39.85 2.77 -17.43	42.10 2.41 -23.62	52.66 2.93 -30.60	85.68 2.96 -64.12	89.38 3.71 -63.30	87.69 3.80 -60.46	84.67 3.56 -58.71	65.19 3.22 -41.35	55.56 3.40 -29.91	42.15 2.43 -23.33	40.55 2.14 -22.63
SOUTH_FORK_WT_PWR 323839	32.44 0.83 -25.71	31.87 1.14 -21.36	31.20 1.12 -20.47	30.42 1.01 -19.56	31.05 1.13 -19.02	34.79 1.64 -19.33	44.24 3.43 -15.96	53.32 3.69 -23.08	48.37 3.88 -18.44	43.01 3.75 -14.93	40.64 3.07 -16.26	39.18 3.00 -14.59	39.06 2.55 -18.06	39.89 2.81 -17.43	42.13 2.44 -23.62	52.70 2.97 -30.60	85.71 3.00 -64.12	89.45 3.78 -63.30	87.76 3.87 -60.46	84.72 3.61 -58.71	65.24 3.26 -41.35	55.61 3.45 -29.91	42.20 2.48 -23.33	40.58 2.18 -22.63
SPIERFLS_115KV_TB 1 80737	37.58 0.41 -31.27	36.53 0.61 -26.55	35.66 0.61 -25.45	34.78 0.61 -24.32	35.19 0.64 -23.64	38.74 0.88 -24.03	46.22 1.69 -19.69	57.09 1.78 -28.76	50.85 1.82 -22.98	44.79 1.61 -18.85	42.82 1.32 -20.19	40.93 1.36 -17.97	42.03 1.16 -22.41	42.37 1.24 -21.49	44.56 0.93 -27.56	48.04 0.54 -28.36	62.69 0.60 -43.49	79.24 0.85 -56.02	73.50 0.84 -49.22	63.38 0.74 -40.24	56.91 0.66 -35.62	49.01 0.60 -26.17	46.14 0.43 -29.32	45.26 1.03 -28.47
ST LAWRENCE___ 23600	6.18 -0.76 -1.03	8.92 -1.33 -0.88	9.16 -1.29 -0.84	9.42 -1.23 -0.80	10.47 -1.21 -0.78	13.25 -1.37 -0.79	23.13 -2.36 -0.65	25.22 -2.18 -0.85	23.60 -3.13 -0.68	21.63 -3.24 -0.53	12.81 -3.00 5.50	0.05 -2.98 18.56	0.05 -2.51 15.89	0.47 -2.87 16.30	0.55 -2.36 13.15	1.29 -2.85 15.00	1.46 -2.77 14.37	1.82 -3.29 17.25	19.97 -3.33 0.14	1.51 -3.40 17.49	1.48 -3.03 16.12	1.39 -3.34 17.52	6.92 -2.52 6.94	14.24 -2.33 -0.80
STATE_CA_115KV_115_LB 55624	36.60 0.11 -30.59	35.51 0.16 -25.98	34.69 0.18 -24.90	33.84 0.20 -23.79	34.25 0.22 -23.13	37.58 0.25 -23.51	44.58 0.47 -19.26	55.14 0.45 -28.14	49.05 0.52 -22.48	43.29 0.49 -18.48	41.56 0.47 -19.79	39.66 0.45 -17.62	40.81 0.39 -21.97	41.12 0.41 -21.06	43.44 0.35 -27.01	47.36 0.42 -27.80	61.66 0.43 -42.63	77.79 0.51 -54.91	72.22 0.54 -48.24	62.34 0.49 -39.44	56.00 0.45 -34.91	48.36 0.47 -25.65	45.41 0.28 -28.74	43.93 0.25 -27.90
STATE_ST_34_KV_LOAD 55959	11.81 0.09 -5.82	14.46 0.15 -4.94	14.49 0.14 -4.74	14.52 0.14 -4.53	15.44 0.14 -4.40	18.50 0.21 -4.47	28.88 0.37 -3.66	32.38 0.48 -5.35	30.82 0.49 -4.28	27.95 0.51 -3.11	25.08 0.47 -3.30	24.87 0.50 -2.78	22.41 0.41 -3.55	23.40 0.47 -3.28	20.76 0.37 -4.32	24.01 0.46 -4.42	26.00 0.48 -6.92	31.91 0.60 -8.94	32.17 0.61 -8.13	29.32 0.58 -6.34	26.74 0.52 -5.60	26.75 0.49 -4.02	21.45 0.34 -4.71	20.85 0.38 -4.70
STATION 5_MISC_HYD 23604	11.85 0.12 -5.83	14.50 0.19 -4.95	14.53 0.18 -4.74	14.56 0.18 -4.53	15.45 0.14 -4.40	18.44 0.14 -4.48	28.61 0.10 -3.67	31.21 -0.08 -4.74	29.76 -0.08 -3.79	27.33 0.02 -2.98	24.58 0.09 -3.19	24.54 0.11 -2.84	22.07 0.07 -3.54	23.16 0.12 -3.40	20.51 0.08 -4.36	23.70 0.08 -4.48	25.55 0.07 -6.88	31.27 0.04 -8.86	31.26 0.05 -7.78	28.83 0.07 -6.36	26.32 0.06 -5.63	26.47 0.09 -4.14	21.13 0.10 -4.64	20.55 0.28 -4.50
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	11.81 0.12 -5.79	14.47 0.19 -4.92	14.51 0.19 -4.71	14.53 0.18 -4.50	15.45 0.17 -4.38	18.49 0.22 -4.45	28.84 0.35 -3.64	33.02 1.14 -5.32	31.37 1.07 -4.25	28.40 1.12 -2.95	25.47 1.00 -3.16	25.42 1.01 -2.81	22.85 0.89 -3.51	23.95 0.94 -3.37	21.16 0.77 -4.32	24.50 0.92 -4.44	26.33 0.91 -6.81	32.35 1.21 -8.77	32.36 1.22 -7.71	29.85 1.14 -6.30	27.22 1.01 -5.58	27.37 1.02 -4.10	21.69 0.70 -4.59	20.99 0.76 -4.46
STA_56_34_KV_BUS2_REV_LBMP_B 345033	11.78 0.08 -5.80	14.42 0.12 -4.92	14.44 0.12 -4.72	14.46 0.10 -4.51	15.35 0.07 -4.39	18.33 0.06 -4.46	28.47 -0.02 -3.65	31.70 -0.19 -5.33	30.13 -0.18 -4.26	27.26 -0.07 -3.00	24.50 -0.02 -3.21	24.45 0.00 -2.86	22.02 0.00 -3.57	23.08 0.02 -3.42	20.47 0.02 -4.39	23.65 0.00 -4.51	25.50 -0.02 -6.92	31.26 -0.02 -8.91	31.24 -0.02 -7.83	28.78 -0.02 -6.40	26.26 -0.04 -5.67	26.39 -0.02 -4.16	21.06 0.00 -4.66	20.46 0.16 -4.53
STA_56___34_KV_BUS2 355983	11.78 0.08 -5.80	14.42 0.12 -4.92	14.44 0.12 -4.72	14.46 0.10 -4.51	15.35 0.07 -4.39	18.33 0.06 -4.46	28.47 -0.02 -3.65	31.70 -0.19 -5.33	30.13 -0.18 -4.26	27.26 -0.07 -3.00	24.50 -0.02 -3.21	24.45 0.00 -2.86	22.02 0.00 -3.57	23.08 0.02 -3.42	20.47 0.02 -4.39	23.65 0.00 -4.51	25.50 -0.02 -6.92	31.26 -0.02 -8.91	31.24 -0.02 -7.83	28.78 -0.02 -6.40	26.26 -0.04 -5.67	26.39 -0.02 -4.16	21.06 0.00 -4.66	20.46 0.16 -4.53
STA_67___115KV_BK2 355882	11.83 0.11 -5.82	14.48 0.17 -4.94	14.52 0.17 -4.74	14.54 0.16 -4.53	15.42 0.12 -4.40	18.41 0.11 -4.47	28.56 0.05 -3.67	31.77 -0.13 -5.35	30.20 -0.13 -4.28	27.33 -0.02 -3.02	24.59 0.04 -3.24	24.52 0.04 -2.88	22.08 0.04 -3.59	23.15 0.06 -3.44	20.54 0.05 -4.42	23.72 0.04 -4.55	25.59 0.02 -6.97	31.34 0.00 -8.98	31.33 0.00 -7.89	28.88 0.02 -6.45	26.36 0.02 -5.71	26.48 0.04 -4.19	21.16 0.07 -4.70	20.59 0.25 -4.56
STA_7___115KV_9TRANS 80674	11.87 0.14 -5.83	14.53 0.22 -4.95	14.57 0.22 -4.74	14.59 0.21 -4.53	15.48 0.17 -4.40	18.49 0.19 -4.48	28.71 0.20 -3.67	31.96 0.05 -5.36	30.38 0.05 -4.28	27.52 0.17 -3.02	24.74 0.19 -3.24	24.69 0.22 -2.88	22.23 0.18 -3.59	23.31 0.22 -3.45	20.67 0.18 -4.42	23.88 0.19 -4.55	25.75 0.17 -6.98	31.55 0.20 -8.98	31.54 0.21 -7.89	29.06 0.20 -6.45	26.53 0.19 -5.71	26.66 0.22 -4.20	21.28 0.18 -4.70	20.68 0.35 -4.57

STA_82___115KV_TB1 80780	11.85 0.11 -5.84	14.50 0.18 -4.96	14.53 0.17 -4.75	14.56 0.17 -4.54	15.45 0.13 -4.41	18.43 0.12 -4.49	28.57 0.05 -3.68	31.82 -0.11 -5.37	30.23 -0.10 -4.29	27.36 0.00 -3.03	24.61 0.06 -3.24	24.55 0.06 -2.89	22.11 0.06 -3.60	23.18 0.08 -3.45	20.56 0.06 -4.43	23.75 0.06 -4.56	25.63 0.04 -6.99	31.39 0.02 -9.00	31.37 0.02 -7.91	28.91 0.04 -6.47	26.39 0.04 -5.72	26.52 0.07 -4.20	21.19 0.08 -4.71	20.61 0.27 -4.57
STEEL___WIND 323596	12.83 0.11 -6.82	15.34 0.18 -5.79	15.32 0.16 -5.55	15.32 0.16 -5.31	16.13 0.07 -5.16	19.07 0.00 -5.24	28.79 -0.35 -4.30	31.43 -0.72 -5.59	29.89 -0.63 -4.47	27.32 -0.51 -3.51	24.72 -0.34 -3.76	24.57 -0.37 -3.34	22.21 -0.41 -4.17	23.27 -0.37 -4.00	20.84 -0.35 -5.13	23.99 -0.42 -5.28	26.28 -0.41 -8.09	32.09 -0.69 -10.42	31.94 -0.66 -9.16	29.33 -0.56 -7.49	26.78 -0.47 -6.63	26.69 -0.42 -4.87	21.65 -0.20 -5.45	21.24 0.17 -5.30
STEPHTWN_115KV_BK_2 55603	36.33 0.14 -30.29	35.30 0.21 -25.72	34.48 0.22 -24.65	33.65 0.24 -23.56	34.08 0.27 -22.91	37.43 0.33 -23.28	44.59 0.67 -19.07	55.02 0.61 -27.86	48.98 0.68 -22.26	43.27 0.63 -18.31	41.51 0.60 -19.61	39.63 0.58 -17.46	40.72 0.50 -21.77	41.04 0.53 -20.87	43.29 0.45 -26.77	47.26 0.57 -27.55	61.44 0.60 -42.24	77.54 0.76 -54.41	72.01 0.77 -47.80	62.20 0.72 -39.08	55.89 0.66 -34.60	48.35 0.69 -25.41	45.28 0.41 -28.47	43.78 0.36 -27.65
STEBEN_REC_LFGE 323667	14.20 0.19 -8.12	16.58 0.32 -6.89	16.54 0.33 -6.60	16.48 0.32 -6.31	17.35 0.32 -6.14	20.46 0.40 -6.24	30.53 0.57 -5.11	34.60 0.58 -7.46	32.58 0.57 -5.96	29.17 0.51 -4.33	26.37 0.43 -4.63	26.11 0.39 -4.13	23.82 0.22 -5.14	24.85 0.28 -4.93	22.59 0.19 -6.33	25.99 0.34 -6.51	28.96 0.37 -9.98	35.72 0.49 -12.86	35.25 0.52 -11.30	32.11 0.47 -9.24	29.28 0.47 -8.18	28.74 0.49 -6.01	23.52 0.39 -6.73	22.90 0.60 -6.53
STILLWATER___SOLAR 323814	37.33 0.31 -31.11	36.27 0.48 -26.42	35.41 0.48 -25.32	34.53 0.48 -24.20	34.96 0.53 -23.53	38.45 0.72 -23.91	45.80 1.37 -19.59	57.37 1.41 -29.41	50.98 1.43 -23.50	44.42 1.29 -18.80	42.57 1.13 -20.14	40.64 1.12 -17.93	41.76 0.96 -22.36	42.10 1.02 -21.43	44.38 0.82 -27.49	48.27 0.84 -28.29	62.84 0.86 -43.38	79.32 1.07 -55.88	73.65 1.12 -49.09	63.57 1.03 -40.14	57.11 0.95 -35.53	49.30 0.96 -26.10	46.29 0.66 -29.24	44.97 0.80 -28.40
STONY___BROOK 24151	32.25 0.60 -25.74	31.52 0.80 -21.36	30.85 0.78 -20.47	30.08 0.66 -19.56	30.70 0.77 -19.02	34.31 1.16 -19.33	43.30 2.48 -15.97	52.31 2.68 -23.08	47.35 2.87 -18.44	42.07 2.80 -14.94	39.88 2.28 -16.29	38.45 2.25 -14.61	38.46 1.92 -18.09	39.21 2.10 -17.46	41.55 1.83 -23.65	51.92 2.18 -30.60	84.89 2.18 -64.12	88.39 2.73 -63.30	86.68 2.79 -60.46	83.73 2.62 -58.71	64.33 2.35 -41.35	54.71 2.53 -29.93	41.58 1.84 -23.35	40.02 1.59 -22.65
STURGEON_POOL_HYD 23609	32.24 0.23 -26.11	31.90 0.36 -22.18	31.20 0.34 -21.25	30.50 0.33 -20.31	31.01 0.36 -19.75	34.36 0.47 -20.07	42.23 0.94 -16.44	51.50 0.93 -24.02	46.23 0.99 -19.19	40.58 0.90 -15.35	38.49 0.75 -16.44	36.98 0.76 -14.64	37.38 0.68 -18.25	37.87 0.73 -17.50	39.11 0.59 -22.44	42.94 0.71 -23.10	54.71 0.69 -35.42	68.88 0.89 -45.62	64.45 0.94 -40.08	56.04 0.87 -32.77	50.44 0.80 -29.01	44.46 0.91 -21.31	40.91 0.64 -23.87	39.46 0.50 -23.18
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	29.82 0.24 -23.68	29.82 0.34 -20.11	29.21 0.33 -19.27	28.60 0.33 -18.42	29.16 0.35 -17.91	32.49 0.47 -18.20	40.70 0.94 -14.91	49.42 1.09 -21.78	44.62 1.17 -17.40	39.19 1.09 -13.77	36.97 0.92 -14.75	35.63 0.91 -13.13	35.62 0.79 -16.37	36.21 0.86 -15.70	36.91 0.71 -20.13	40.70 0.84 -20.72	51.17 0.80 -31.77	64.34 1.05 -40.92	60.47 1.08 -35.95	52.78 0.99 -29.39	47.56 0.91 -26.02	42.38 1.02 -19.11	38.53 0.72 -21.42	37.16 0.60 -20.80
SWANROAD_115KV_TB1 355699	12.45 0.03 -6.52	14.96 0.05 -5.54	14.96 0.04 -5.31	14.95 0.02 -5.07	15.76 -0.08 -4.93	18.63 -0.21 -5.01	28.16 -0.79 -4.11	31.25 -1.30 -6.00	29.62 -1.22 -4.79	26.71 -1.02 -3.41	24.16 -0.79 -3.65	24.04 -0.80 -3.25	21.74 -0.76 -4.05	22.76 -0.77 -3.88	20.39 -0.66 -4.98	23.48 -0.78 -5.12	25.66 -0.80 -7.86	31.32 -1.16 -10.12	31.18 -1.15 -8.89	28.64 -1.03 -7.27	26.16 -0.91 -6.43	26.10 -0.87 -4.73	21.18 -0.51 -5.30	20.82 -0.09 -5.14
SYNERGY___BIOGAS 323694	12.35 0.19 -6.26	14.99 0.31 -5.31	15.02 0.32 -5.09	15.03 0.31 -4.87	15.88 0.25 -4.73	18.89 0.26 -4.81	29.03 0.25 -3.94	31.66 0.00 -5.11	30.10 -0.03 -4.08	27.61 0.07 -3.21	24.87 0.13 -3.44	24.78 0.13 -3.06	22.34 0.07 -3.82	23.42 0.12 -3.66	20.84 0.08 -4.69	24.04 0.08 -4.83	26.10 0.09 -7.40	31.95 0.04 -9.54	31.91 0.09 -8.38	29.36 0.11 -6.85	26.82 0.12 -6.06	26.86 0.16 -4.45	21.56 0.18 -4.99	21.07 0.46 -4.85
SYRACUSE___ENERGY_ST1 323597	11.10 0.04 -5.16	13.82 0.07 -4.38	13.87 0.07 -4.20	13.92 0.06 -4.01	14.87 0.07 -3.90	17.87 0.08 -3.96	28.22 0.12 -3.25	31.46 0.16 -4.74	30.02 0.18 -3.79	27.28 0.22 -2.73	24.41 0.21 -2.89	24.21 0.24 -2.38	21.71 0.18 -3.07	22.68 0.24 -2.80	19.96 0.18 -3.72	23.16 0.23 -3.80	24.82 0.22 -5.99	30.38 0.27 -7.74	30.82 0.26 -7.13	28.13 0.27 -5.46	25.70 0.25 -4.82	25.90 0.22 -3.43	20.65 0.16 -4.09	20.08 0.19 -4.12
SYRACUSE___ENERGY_ST2 323598	11.10 0.04 -5.16	13.82 0.07 -4.38	13.87 0.07 -4.20	13.92 0.06 -4.01	14.87 0.07 -3.90	17.87 0.08 -3.96	28.22 0.12 -3.25	31.46 0.16 -4.74	30.02 0.18 -3.79	27.28 0.22 -2.73	24.41 0.21 -2.89	24.21 0.24 -2.38	21.71 0.18 -3.07	22.68 0.24 -2.80	19.96 0.18 -3.72	23.16 0.23 -3.80	24.82 0.22 -5.99	30.38 0.27 -7.74	30.82 0.26 -7.13	28.13 0.27 -5.46	25.70 0.25 -4.82	25.90 0.22 -3.43	20.65 0.16 -4.09	20.08 0.19 -4.12
SYRACUSE___POWER 24017	11.18 0.03 -5.25	13.89 0.06 -4.46	13.93 0.05 -4.28	13.98 0.04 -4.09	14.92 0.04 -3.97	17.92 0.06 -4.04	28.23 0.07 -3.31	31.46 0.08 -4.83	30.04 0.13 -3.86	27.25 0.15 -2.77	24.38 0.15 -2.93	24.18 0.17 -2.41	21.70 0.13 -3.12	22.64 0.16 -2.84	19.97 0.13 -3.77	23.14 0.15 -3.85	24.85 0.17 -6.08	30.42 0.20 -7.86	30.86 0.19 -7.23	28.15 0.20 -5.54	25.71 0.19 -4.89	25.88 0.16 -3.48	20.68 0.13 -4.15	20.10 0.14 -4.18
TALLMAN___138KV_BK151 55660	30.40 0.27 -24.24	30.33 0.37 -20.58	29.70 0.37 -19.72	29.07 0.36 -18.85	29.62 0.39 -18.33	32.97 0.53 -18.63	41.15 1.04 -15.26	50.09 1.25 -22.29	45.18 1.33 -17.81	39.72 1.27 -14.13	37.50 1.07 -15.13	36.12 1.06 -13.47	36.15 0.90 -16.80	36.73 0.98 -16.10	37.53 0.80 -20.65	41.35 0.96 -21.26	52.11 0.91 -32.60	65.53 1.19 -41.98	61.52 1.20 -36.88	53.66 1.10 -30.16	48.34 1.01 -26.70	42.99 1.13 -19.61	39.18 0.82 -21.97	37.80 0.69 -21.33
TEALLAVE_115KV_TB7 355573	10.68 0.01 -4.76	13.44 0.03 -4.05	13.50 0.02 -3.88	13.57 0.01 -3.70	14.51 0.01 -3.60	17.50 0.01 -3.66	27.82 -0.02 -3.00	30.93 0.00 -4.38	29.60 0.05 -3.50	26.91 0.07 -2.51	24.04 0.09 -2.65	23.84 0.11 -2.14	21.31 0.07 -2.79	22.27 0.12 -2.51	19.51 0.08 -3.36	22.66 0.10 -3.42	24.14 0.09 -5.44	29.52 0.11 -7.04	30.09 0.09 -6.56	27.46 0.11 -4.95	25.10 0.10 -4.36	25.39 0.07 -3.08	20.19 0.07 -3.73	19.66 0.09 -3.79

TELGRAPH_34_KV_EAST 80808	12.39 0.13 -6.36	14.98 0.21 -5.40	15.00 0.21 -5.18	14.99 0.19 -4.95	15.83 0.12 -4.81	18.78 0.07 -4.89	28.67 -0.17 -4.00	31.84 -0.56 -5.85	30.23 -0.49 -4.67	27.31 -0.34 -3.32	24.64 -0.21 -3.55	24.52 -0.24 -3.16	22.13 -0.26 -3.94	23.19 -0.24 -3.78	20.71 -0.21 -4.85	23.88 -0.25 -4.99	25.99 -0.26 -7.65	31.77 -0.45 -9.85	31.69 -0.40 -8.66	29.12 -0.36 -7.08	26.58 -0.31 -6.26	26.60 -0.24 -4.60	21.45 -0.10 -5.16	21.01 0.24 -5.01
TEMPLE___115KV_TB 2 55572	10.73 0.02 -4.81	13.49 0.04 -4.09	13.55 0.03 -3.91	13.61 0.02 -3.74	14.55 0.01 -3.64	17.53 0.01 -3.70	27.87 0.00 -3.03	31.00 0.03 -4.42	29.63 0.05 -3.53	26.96 0.10 -2.54	24.09 0.11 -2.67	23.87 0.11 -2.17	21.36 0.09 -2.82	22.31 0.12 -2.55	19.57 0.10 -3.40	22.72 0.11 -3.47	24.22 0.11 -5.51	29.62 0.13 -7.12	30.17 0.12 -6.62	27.52 0.11 -5.00	25.15 0.10 -4.42	25.45 0.09 -3.12	20.25 0.08 -3.77	19.71 0.11 -3.83
TIANA___69_KV_BK 1 55817	32.30 0.69 -25.71	31.65 0.93 -21.36	30.98 0.90 -20.47	30.26 0.85 -19.56	30.83 0.90 -19.02	34.50 1.35 -19.33	43.66 2.86 -15.96	52.77 3.08 -23.13	47.79 3.26 -18.48	42.29 3.07 -14.90	40.09 2.56 -16.23	38.67 2.53 -14.55	38.61 2.14 -18.02	39.37 2.34 -17.39	41.58 1.94 -23.57	52.03 2.35 -30.54	85.00 2.36 -64.03	88.55 3.00 -63.19	86.89 3.09 -60.36	83.90 2.87 -58.63	64.51 2.60 -41.28	54.84 2.74 -29.86	41.75 2.08 -23.28	40.16 1.81 -22.58
TILDEN___115KV_TB1 80814	11.18 0.03 -5.25	13.89 0.06 -4.46	13.93 0.05 -4.28	13.98 0.04 -4.09	14.92 0.04 -3.97	17.92 0.06 -4.04	28.23 0.07 -3.31	31.46 0.08 -4.83	30.04 0.13 -3.86	27.25 0.15 -2.77	24.38 0.15 -2.93	24.18 0.17 -2.41	21.70 0.13 -3.12	22.64 0.16 -2.84	19.97 0.13 -3.77	23.14 0.15 -3.85	24.85 0.17 -6.08	30.42 0.20 -7.86	30.86 0.19 -7.23	28.15 0.20 -5.54	25.71 0.19 -4.89	25.88 0.16 -3.48	20.68 0.13 -4.15	20.10 0.14 -4.18
TRIGEN___CC 323695	35.70 0.42 -29.38	31.30 0.55 -21.38	30.61 0.52 -20.48	29.90 0.48 -19.56	30.43 0.51 -19.02	33.96 0.79 -19.34	43.35 1.69 -16.82	51.52 1.83 -23.13	46.56 2.03 -18.48	42.36 1.92 -16.10	42.05 1.60 -19.14	41.04 1.60 -17.85	41.10 1.37 -21.28	42.40 1.47 -21.29	43.84 1.16 -26.62	51.82 1.38 -31.30	83.95 1.32 -64.03	87.23 1.65 -63.21	85.48 1.69 -60.36	82.62 1.59 -58.63	63.35 1.44 -41.28	55.18 1.58 -31.36	43.35 1.25 -25.71	41.76 1.10 -24.88
TRINITY___115KV__ 4 BK 55933	36.34 0.08 -30.36	35.27 0.12 -25.78	34.46 0.14 -24.70	33.63 0.17 -23.61	34.03 0.17 -22.95	37.36 0.21 -23.33	44.35 0.40 -19.11	54.82 0.35 -27.92	48.77 0.42 -22.31	43.07 0.39 -18.35	41.32 0.36 -19.65	39.45 0.37 -17.49	40.58 0.31 -21.81	40.89 0.33 -20.91	43.17 0.27 -26.83	47.09 0.34 -27.61	61.27 0.33 -42.33	77.27 0.38 -54.53	71.76 0.42 -47.90	61.97 0.40 -39.17	55.67 0.37 -34.67	48.09 0.38 -25.47	45.16 0.23 -28.53	43.67 0.19 -27.71
UNION___PROCESSING_DRP 323587	11.86 0.12 -5.84	14.51 0.18 -4.96	14.54 0.18 -4.75	14.56 0.17 -4.54	15.45 0.13 -4.42	18.44 0.12 -4.49	28.60 0.07 -3.68	31.82 -0.11 -5.37	30.26 -0.08 -4.29	27.38 0.02 -3.03	24.62 0.06 -3.25	24.57 0.09 -2.89	22.11 0.06 -3.60	23.20 0.10 -3.45	20.56 0.06 -4.43	23.75 0.06 -4.56	25.65 0.06 -6.99	31.39 0.02 -9.01	31.39 0.05 -7.91	28.92 0.04 -6.47	26.40 0.04 -5.73	26.52 0.07 -4.21	21.19 0.08 -4.71	20.61 0.27 -4.58
UPPER HUDSON___HYD 24058	37.58 0.41 -31.27	36.53 0.61 -26.55	35.66 0.61 -25.45	34.78 0.61 -24.32	35.19 0.64 -23.64	38.74 0.89 -24.03	46.22 1.69 -19.69	57.89 1.78 -29.55	51.48 1.82 -23.61	44.83 1.61 -18.89	42.87 1.32 -20.24	40.97 1.36 -18.02	42.08 1.16 -22.47	42.42 1.24 -21.54	44.63 0.93 -27.63	48.10 0.54 -28.43	62.80 0.60 -43.60	79.37 0.85 -56.16	73.61 0.84 -49.33	63.48 0.74 -40.34	57.00 0.66 -35.71	49.07 0.60 -26.23	46.21 0.43 -29.39	45.33 1.02 -28.54
UPPER RAQUET___HYD 24056	6.65 -0.65 -1.39	9.41 -1.14 -1.18	9.63 -1.11 -1.13	9.88 -1.05 -1.08	10.89 -1.07 -1.05	13.69 -1.20 -1.07	23.66 -2.06 -0.88	25.89 -1.81 -1.15	24.18 -2.79 -0.92	22.23 -2.82 -0.72	28.64 -2.56 -9.89	30.20 -2.57 -11.18	29.84 -2.16 -13.55	8.59 -2.53 8.52	3.84 -2.09 10.14	4.93 -2.60 11.61	5.18 -2.55 10.87	6.40 -2.97 12.99	26.25 -2.98 -5.79	5.89 -3.09 13.42	5.49 -2.74 12.40	5.62 -2.96 13.67	9.02 -2.25 5.12	14.79 -2.07 -1.09
VALLEY44_115KV_TB2 355964	13.11 0.03 -7.18	15.51 0.04 -6.10	15.48 0.03 -5.84	15.45 0.01 -5.59	16.26 -0.08 -5.43	19.16 -0.18 -5.52	28.74 -0.62 -4.52	32.28 -0.88 -6.60	30.49 -0.83 -5.28	27.39 -0.71 -3.76	24.80 -0.53 -4.03	24.55 -0.63 -3.59	22.28 -0.65 -4.47	23.30 -0.63 -4.29	21.02 -0.55 -5.50	24.15 -0.65 -5.66	26.59 -0.69 -8.68	32.62 -0.92 -11.18	32.32 -0.94 -9.82	29.58 -0.85 -8.03	27.01 -0.72 -7.11	26.84 -0.62 -5.22	21.90 -0.34 -5.85	21.40 -0.05 -5.68
VALLEY___115KV_TB 1-4 80826	6.70 0.01 -0.80	10.08 0.04 -0.68	10.33 0.07 -0.65	10.58 0.11 -0.62	11.65 0.14 -0.60	14.60 0.17 -0.61	25.64 0.30 -0.50	27.53 0.24 -0.73	26.69 0.05 -0.59	24.75 0.00 -0.42	21.71 -0.04 -0.45	21.93 -0.06 -0.40	18.85 -0.09 -0.50	20.00 -0.12 -0.48	16.60 -0.08 -0.61	19.67 -0.10 -0.63	19.53 -0.04 -0.96	23.58 -0.02 -1.24	24.53 0.00 -1.09	23.27 -0.02 -0.89	21.40 -0.02 -0.79	22.80 -0.02 -0.58	17.03 -0.02 -0.65	16.37 -0.03 -0.63
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	19.35 0.31 -13.14	21.06 0.53 -11.16	20.81 0.51 -10.69	20.59 0.51 -10.22	21.41 0.57 -9.94	24.61 0.69 -10.10	34.56 1.44 -8.27	40.26 1.62 -12.09	37.32 1.61 -9.66	33.99 2.77 -6.89	31.07 2.39 -7.38	30.58 2.42 -6.57	28.65 2.01 -8.19	29.62 2.12 -7.85	27.91 1.77 -10.07	31.61 2.11 -10.37	36.65 2.16 -15.89	45.50 2.66 -20.47	44.26 2.84 -17.98	39.77 2.67 -14.70	36.02 2.37 -13.02	34.21 2.40 -9.56	28.89 1.79 -10.71	27.69 1.51 -10.40
VISCHER___FERRY HYD 24020	36.77 0.21 -30.67	35.73 0.32 -26.04	34.89 0.33 -24.96	34.04 0.34 -23.85	34.46 0.37 -23.19	37.90 0.51 -23.57	45.12 0.97 -19.31	56.51 0.95 -29.00	50.21 0.99 -23.17	43.77 0.90 -18.54	41.97 0.81 -19.85	40.11 0.84 -17.67	41.19 0.70 -22.04	41.52 0.75 -21.13	43.78 0.61 -27.10	47.72 0.69 -27.89	62.06 0.69 -42.77	78.24 0.78 -55.09	72.68 0.84 -48.40	62.78 0.81 -39.57	56.40 0.74 -35.03	48.75 0.78 -25.73	45.76 0.54 -28.83	44.32 0.55 -27.99
V_A_10_SYNC_DSASP 323832	12.14 0.08 -6.16	14.73 0.13 -5.23	14.76 0.13 -5.01	14.77 0.13 -4.79	15.60 0.04 -4.66	18.53 -0.03 -4.73	28.35 -0.37 -3.88	30.81 -0.77 -5.03	29.34 -0.73 -4.02	26.91 -0.58 -3.16	24.29 -0.41 -3.39	24.20 -0.41 -3.01	21.82 -0.39 -3.76	22.87 -0.37 -3.60	20.35 -0.34 -4.62	23.47 -0.42 -4.76	25.45 -0.45 -7.29	31.04 -0.72 -9.39	30.99 -0.70 -8.25	28.55 -0.60 -6.75	26.09 -0.51 -5.97	26.14 -0.49 -4.39	21.08 -0.23 -4.92	20.64 0.10 -4.77
V_CMM_10_SYNC_DSASP 323787	6.20 -0.73 -1.03	8.95 -1.29 -0.88	9.19 -1.26 -0.84	9.46 -1.19 -0.80	10.52 -1.17 -0.78	13.29 -1.33 -0.79	23.21 -2.29 -0.65	25.33 -2.07 -0.85	23.68 -3.05 -0.68	21.72 -2.92 -0.53	12.89 -2.92 5.50	0.11 -2.44 18.56	0.12 -2.81 15.89	0.53 -2.30 16.30	0.62 -2.78 13.15	1.36 -2.72 15.00	1.51 -2.72 14.37	1.91 -3.20 17.25	20.06 -3.23 0.14	1.58 -3.34 17.49	1.56 -2.95 16.12	1.45 -3.27 17.52	6.97 -2.48 6.94	14.30 -2.27 -0.80

V_CMP_10_SYNC_DSASP 323788	6.20 -0.73 -1.03	8.90 -1.34 -0.87	9.17 -1.28 -0.84	9.46 -1.19 -0.80	10.58 -1.10 -0.78	13.44 -1.18 -0.79	23.58 -1.91 -0.65	25.73 -1.67 -0.84	23.88 -2.84 -0.67	21.72 -3.14 -0.53	11.38 -3.03 6.90	-2.64 -3.07 21.17	-2.64 -2.58 18.51	-0.07 -2.97 16.75	0.43 -2.46 13.18	1.19 -2.93 15.02	1.36 -2.85 14.40	1.75 -3.33 17.28	19.45 -3.33 0.66	1.41 -3.47 17.52	1.41 -3.07 16.15	1.27 -3.43 17.55	6.85 -2.59 6.96	14.24 -2.33 -0.80
V_D_10_SYNC_DSASP 323841	12.42 -0.02 -6.53	14.89 -0.03 -5.55	14.92 -0.01 -5.32	14.90 -0.03 -5.08	15.68 -0.16 -4.94	18.53 -0.32 -5.02	27.92 -1.04 -4.11	30.31 -1.59 -5.35	28.81 -1.51 -4.27	26.37 -1.31 -3.36	23.88 -1.02 -3.59	23.78 -1.01 -3.20	21.50 -0.94 -3.99	22.51 -0.96 -3.83	20.16 -0.82 -4.91	23.19 -1.00 -5.05	25.34 -1.00 -7.74	30.88 -1.45 -9.97	30.75 -1.45 -8.76	28.27 -1.30 -7.16	25.82 -1.15 -6.34	25.77 -1.13 -4.66	20.92 -0.69 -5.22	20.59 -0.25 -5.07
V_E_10_SYNC_DSASP 323830	16.63 0.40 -10.33	18.84 0.70 -8.77	18.70 0.68 -8.41	18.59 0.70 -8.03	19.53 0.82 -7.81	22.85 1.09 -7.94	33.73 2.39 -6.50	37.79 2.71 -8.53	35.38 2.53 -6.81	31.77 2.55 -4.89	28.63 2.09 -5.24	28.35 2.09 -4.66	26.02 1.75 -5.81	27.05 1.83 -5.57	24.76 1.54 -7.15	28.39 1.90 -7.36	31.95 2.06 -11.28	39.49 2.59 -14.53	38.92 2.72 -12.77	35.39 2.55 -10.44	32.12 2.25 -9.24	31.26 2.22 -6.79	25.64 1.64 -7.61	24.51 1.36 -7.38
V_F_30_NSYNC___DSASP 323816	37.41 0.32 -31.18	36.34 0.49 -26.48	35.47 0.49 -25.38	34.60 0.49 -24.25	35.03 0.54 -23.58	38.52 0.73 -23.96	45.87 1.39 -19.63	57.46 1.43 -29.47	51.05 1.46 -23.55	44.49 1.31 -18.84	42.64 1.15 -20.18	40.72 1.17 -17.97	41.85 1.00 -22.40	42.18 1.06 -21.48	44.47 0.85 -27.55	48.35 0.86 -28.35	62.96 0.87 -43.48	79.48 1.12 -56.00	73.78 1.15 -49.20	63.70 1.08 -40.23	57.23 0.99 -35.61	49.40 1.00 -26.16	46.37 0.67 -29.31	45.05 0.82 -28.46
V_F_30_SYNC_DSASP 323786	36.58 0.11 -30.57	35.49 0.16 -25.96	34.67 0.18 -24.88	33.83 0.20 -23.78	34.24 0.22 -23.12	37.57 0.25 -23.50	44.57 0.47 -19.25	55.12 0.45 -28.12	49.03 0.52 -22.47	43.28 0.49 -18.47	41.53 0.45 -19.78	39.65 0.45 -17.61	40.79 0.39 -21.96	41.11 0.41 -21.05	43.41 0.34 -27.00	47.34 0.42 -27.79	61.64 0.43 -42.61	77.76 0.51 -54.88	72.19 0.54 -48.21	62.31 0.49 -39.42	55.98 0.45 -34.89	48.34 0.47 -25.63	45.39 0.28 -28.72	43.91 0.25 -27.89
V_XM_10_SYNC_DSASP 323789	6.20 -0.73 -1.03	8.90 -1.34 -0.87	9.17 -1.28 -0.84	9.46 -1.19 -0.80	10.58 -1.10 -0.78	13.44 -1.18 -0.79	23.58 -1.91 -0.65	25.73 -1.67 -0.84	23.88 -2.84 -0.67	21.72 -3.14 -0.53	11.38 -3.03 6.90	-2.64 -3.07 21.17	-2.64 -2.58 18.51	-0.07 -2.97 16.75	0.43 -2.46 13.18	1.19 -2.93 15.02	1.36 -2.85 14.40	1.75 -3.33 17.28	19.45 -3.33 0.66	1.41 -3.47 17.52	1.41 -3.07 16.15	1.27 -3.43 17.55	6.85 -2.59 6.96	14.24 -2.33 -0.80
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	30.54 0.28 -24.36	30.46 0.40 -20.69	29.83 0.39 -19.83	29.19 0.39 -18.95	29.74 0.41 -18.42	33.11 0.57 -18.72	41.30 1.12 -15.34	50.28 1.33 -22.40	45.35 1.41 -17.90	39.88 1.34 -14.21	37.65 1.13 -15.22	36.26 1.12 -13.55	36.32 0.98 -16.89	36.90 1.06 -16.19	37.71 0.87 -20.77	41.55 1.03 -21.38	52.37 0.99 -32.78	65.86 1.27 -42.22	61.82 1.29 -37.09	53.92 1.19 -30.33	48.57 1.09 -26.85	43.19 1.22 -19.72	39.38 0.89 -22.10	37.97 0.74 -21.46
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	31.32 0.28 -25.15	31.12 0.39 -21.35	30.45 0.37 -20.46	29.79 0.38 -19.56	30.32 0.40 -19.02	33.70 0.55 -19.32	41.82 1.14 -15.83	51.09 1.41 -23.13	46.04 1.51 -18.48	40.51 1.46 -14.72	38.30 1.24 -15.76	36.83 1.21 -14.03	37.00 1.05 -17.50	37.54 1.12 -16.77	38.50 0.92 -21.52	42.37 1.09 -22.14	53.58 1.02 -33.95	67.44 1.34 -43.73	63.19 1.34 -38.42	55.03 1.21 -31.41	49.53 1.09 -27.81	43.89 1.22 -20.43	40.18 0.90 -22.89	38.74 0.74 -22.22
W50THST__13_KV_LOAD 356117	31.35 0.30 -25.15	31.15 0.42 -21.35	30.49 0.41 -20.46	29.82 0.41 -19.56	30.36 0.45 -19.02	33.74 0.59 -19.32	41.92 1.24 -15.83	51.22 1.54 -23.13	46.17 1.64 -18.48	40.65 1.61 -14.72	38.41 1.34 -15.76	36.96 1.34 -14.03	37.09 1.14 -17.50	37.66 1.24 -16.77	38.58 1.00 -21.52	42.47 1.19 -22.14	53.67 1.12 -33.95	67.55 1.45 -43.73	63.31 1.45 -38.42	55.14 1.32 -31.41	49.63 1.20 -27.81	43.98 1.31 -20.43	40.25 0.97 -22.89	38.80 0.80 -22.22
WADING RIVER_IC_1 23522	32.25 0.64 -25.71	31.58 0.85 -21.36	30.90 0.83 -20.47	30.13 0.71 -19.56	30.75 0.83 -19.02	34.39 1.24 -19.33	43.46 2.66 -15.96	52.47 2.84 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.93	39.95 2.39 -16.26	38.53 2.35 -14.58	38.50 1.99 -18.06	39.27 2.20 -17.43	41.60 1.91 -23.62	52.03 2.30 -30.60	85.01 2.29 -64.12	88.55 2.89 -63.30	86.85 2.95 -60.46	83.87 2.75 -58.71	64.47 2.50 -41.35	54.83 2.67 -29.91	41.66 1.93 -23.33	40.09 1.69 -22.63
WADING RIVER_IC_2 23547	32.25 0.64 -25.71	31.58 0.85 -21.36	30.90 0.83 -20.47	30.13 0.71 -19.56	30.75 0.83 -19.02	34.39 1.24 -19.33	43.46 2.66 -15.96	52.47 2.84 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.93	39.95 2.39 -16.26	38.53 2.35 -14.58	38.50 1.99 -18.06	39.27 2.20 -17.43	41.60 1.91 -23.62	52.03 2.30 -30.60	85.01 2.29 -64.12	88.55 2.89 -63.30	86.85 2.95 -60.46	83.87 2.75 -58.71	64.47 2.50 -41.35	54.83 2.67 -29.91	41.66 1.93 -23.33	40.09 1.69 -22.63
WADING RIVER_IC_3 23601	32.25 0.64 -25.71	31.58 0.85 -21.36	30.90 0.83 -20.47	30.13 0.71 -19.56	30.75 0.83 -19.02	34.39 1.24 -19.33	43.46 2.66 -15.96	52.47 2.84 -23.08	47.51 3.02 -18.44	42.21 2.94 -14.93	39.95 2.39 -16.26	38.53 2.35 -14.58	38.50 1.99 -18.06	39.27 2.20 -17.43	41.60 1.91 -23.62	52.03 2.30 -30.60	85.01 2.29 -64.12	88.55 2.89 -63.30	86.85 2.95 -60.46	83.87 2.75 -58.71	64.47 2.50 -41.35	54.83 2.67 -29.91	41.66 1.93 -23.33	40.09 1.69 -22.63
WALDENNY_12_KV_BK2 80841	12.80 0.11 -6.79	15.32 0.19 -5.77	15.32 0.18 -5.53	15.30 0.17 -5.28	16.12 0.09 -5.13	19.05 0.01 -5.22	28.82 -0.30 -4.28	32.13 -0.66 -6.24	30.46 -0.57 -4.99	27.44 -0.44 -3.55	24.83 -0.28 -3.80	24.68 -0.30 -3.39	22.32 -0.35 -4.22	23.38 -0.31 -4.05	20.96 -0.31 -5.19	24.14 -0.34 -5.34	26.44 -0.35 -8.19	32.29 -0.63 -10.55	32.12 -0.59 -9.27	29.49 -0.49 -7.58	26.93 -0.41 -6.71	26.82 -0.36 -4.93	21.75 -0.16 -5.52	21.32 0.19 -5.36
WALDEN___HYDRO 24148	30.78 0.27 -24.61	30.66 0.38 -20.90	30.00 0.37 -20.03	29.36 0.36 -19.14	29.92 0.40 -18.61	33.28 0.54 -18.91	41.43 1.09 -15.50	50.32 1.25 -22.52	45.31 1.28 -17.99	39.92 1.19 -14.40	37.73 1.00 -15.42	36.29 0.97 -13.73	36.44 0.87 -17.12	37.00 0.94 -16.41	37.89 0.77 -21.05	41.76 0.96 -21.67	52.77 0.95 -33.22	66.43 1.27 -42.79	62.34 1.31 -37.59	54.35 1.21 -30.74	48.95 1.11 -27.21	43.45 1.22 -19.99	39.62 0.84 -22.39	38.23 0.71 -21.75
WARRENSBURG____ 23737	37.58 0.41 -31.27	36.53 0.61 -26.55	35.66 0.61 -25.45	34.78 0.61 -24.32	35.19 0.64 -23.64	38.74 0.89 -24.03	46.22 1.69 -19.69	57.89 1.78 -29.55	51.48 1.82 -23.61	44.83 1.61 -18.89	42.87 1.32 -20.24	40.97 1.36 -18.02	42.08 1.16 -22.47	42.42 1.24 -21.54	44.63 0.93 -27.63	48.10 0.54 -28.43	62.80 0.60 -43.60	79.37 0.85 -56.16	73.61 0.84 -49.33	63.48 0.74 -40.34	57.00 0.66 -35.71	49.07 0.60 -26.23	46.21 0.43 -29.39	45.33 1.02 -28.54

WATERSIDE___6 8 9 23538	31.36 0.31 -25.15	31.15 0.42 -21.36	30.48 0.40 -20.47	29.83 0.41 -19.56	30.37 0.45 -19.02	33.69 0.54 -19.33	41.77 1.09 -15.84	51.06 1.38 -23.13	46.04 1.51 -18.48	40.53 1.48 -14.72	38.28 1.21 -15.76	36.81 1.19 -14.03	36.98 1.03 -17.50	37.52 1.10 -16.78	38.49 0.90 -21.52	42.34 1.05 -22.15	53.57 1.00 -33.96	67.42 1.32 -43.74	63.18 1.31 -38.43	55.03 1.21 -31.42	49.51 1.07 -27.81	43.85 1.18 -20.43	40.19 0.90 -22.89	38.75 0.76 -22.23
WATKINRD_115KV_LN8_ILLION 55919	6.71 0.01 -0.80	10.08 0.04 -0.68	10.31 0.05 -0.65	10.54 0.07 -0.62	11.59 0.09 -0.60	14.55 0.11 -0.61	25.57 0.22 -0.50	27.50 0.21 -0.73	26.74 0.10 -0.59	24.80 0.05 -0.42	21.77 0.02 -0.45	22.01 0.02 -0.40	18.95 0.00 -0.50	20.10 -0.02 -0.48	16.66 -0.02 -0.61	19.77 0.00 -0.63	19.58 0.02 -0.96	23.65 0.04 -1.24	24.60 0.07 -1.09	23.34 0.04 -0.89	21.46 0.04 -0.79	22.87 0.04 -0.58	17.07 0.03 -0.65	16.40 0.00 -0.63
WATSON___69_KV_BK 1 55734	32.47 0.64 -25.93	31.59 0.86 -21.36	30.91 0.84 -20.47	30.19 0.78 -19.56	30.76 0.84 -19.02	34.41 1.26 -19.33	43.51 2.66 -16.01	52.55 2.87 -23.13	47.55 3.02 -18.48	42.15 2.85 -14.97	40.09 2.39 -16.40	38.72 2.38 -14.75	38.69 2.03 -18.21	39.47 2.20 -17.62	41.64 1.82 -23.75	51.91 2.18 -30.59	84.81 2.18 -64.03	88.29 2.73 -63.19	86.61 2.81 -60.36	83.68 2.64 -58.63	64.30 2.39 -41.28	54.73 2.54 -29.95	41.77 1.95 -23.42	40.19 1.70 -22.72
WDELAWARE___HYD 323627	29.19 0.12 -23.16	29.22 0.18 -19.67	28.60 0.14 -18.85	28.00 0.13 -18.02	28.56 0.14 -17.52	31.85 0.22 -17.80	39.98 0.55 -14.59	48.33 0.72 -21.06	43.63 0.76 -16.83	38.43 0.63 -13.47	36.23 0.49 -12.85	34.89 0.45 -16.02	34.93 0.46 -15.36	35.49 0.49 -19.70	36.19 0.42 -20.27	39.39 -0.02 -31.09	49.71 0.02 -40.04	62.58 0.18 -35.18	58.80 0.19 -28.76	51.30 0.14 -25.46	46.19 0.10 -18.70	41.70 0.76 -20.95	37.84 0.49 -20.35	36.46 0.35 -20.35
WEST BABYLON___IC 23714	32.88 0.59 -26.39	31.52 0.79 -21.36	30.85 0.77 -20.47	30.13 0.71 -19.56	30.68 0.76 -19.02	34.30 1.15 -19.33	43.40 2.43 -16.12	52.31 2.63 -23.13	47.32 2.79 -18.48	42.08 2.63 -15.12	40.26 2.19 -16.76	38.95 2.20 -15.16	38.95 1.88 -18.62	39.77 2.02 -18.11	41.87 1.66 -24.14	51.82 1.99 -30.70	84.61 1.97 -64.03	88.04 2.48 -63.20	86.35 2.55 -60.36	83.43 2.40 -58.63	64.09 2.19 -41.28	54.72 2.34 -30.14	41.90 1.79 -23.72	40.35 1.58 -23.00
WEST CANADA___HYD 24049	6.66 -0.04 -0.80	9.99 -0.06 -0.68	10.20 -0.06 -0.65	10.42 -0.05 -0.62	11.46 -0.04 -0.60	14.38 -0.06 -0.61	25.27 -0.07 -0.50	27.13 -0.08 -0.65	26.47 -0.10 -0.52	24.62 -0.12 -0.41	21.62 -0.13 -0.44	21.86 -0.13 -0.39	18.83 -0.11 -0.49	19.98 -0.14 -0.47	16.56 -0.11 -0.60	19.62 -0.13 -0.62	19.44 -0.11 -0.95	23.45 -0.13 -1.22	24.37 -0.14 -1.07	23.15 -0.13 -0.88	21.28 -0.12 -0.78	22.68 -0.13 -0.57	16.93 -0.10 -0.64	16.28 -0.11 -0.62
WESTERN_NY_WIND 24143	12.39 0.19 -6.30	15.02 0.30 -5.35	15.04 0.31 -5.12	15.05 0.30 -4.90	15.90 0.24 -4.76	18.91 0.25 -4.84	29.03 0.22 -3.97	32.29 -0.05 -5.79	30.62 -0.05 -4.63	27.66 0.05 -3.28	24.93 0.11 -3.51	24.81 0.09 -3.13	22.39 0.04 -3.90	23.46 0.08 -3.74	20.93 0.06 -4.80	24.15 0.08 -4.94	26.23 0.06 -7.57	32.14 0.02 -9.75	32.07 0.07 -8.57	29.50 0.09 -7.00	26.91 0.08 -6.20	26.96 0.16 -4.55	21.64 0.15 -5.10	21.17 0.44 -4.96
WESTOVER___LESR 323668	16.82 0.12 -10.80	18.74 0.21 -9.17	18.60 0.20 -8.79	18.45 0.20 -8.40	19.26 0.20 -8.16	22.34 0.22 -8.30	31.96 0.32 -6.80	36.83 0.35 -9.93	34.32 0.34 -7.93	30.43 0.41 -5.68	27.78 0.38 -6.09	27.38 0.37 -5.42	25.48 0.28 -6.76	26.46 0.33 -6.48	24.63 0.26 -8.31	28.01 0.33 -8.55	32.03 0.32 -13.11	39.61 0.36 -16.89	38.65 0.37 -14.83	34.91 0.38 -12.13	31.74 0.37 -10.74	30.53 0.40 -7.89	25.56 0.33 -8.84	24.73 0.38 -8.58
WETHRSFD_WT_PWR 323626	13.36 0.07 -7.39	15.77 0.12 -6.28	15.75 0.12 -6.02	15.72 0.12 -5.75	16.53 0.04 -5.59	19.48 -0.03 -5.68	29.15 -0.35 -4.65	32.01 -0.64 -6.09	30.32 -0.60 -4.87	27.63 -0.51 -3.81	25.01 -0.38 -4.08	24.80 -0.43 -3.64	22.51 -0.48 -4.53	23.54 -0.45 -4.35	21.25 -0.40 -5.58	24.44 -0.44 -5.74	26.97 -0.43 -8.80	33.07 -0.63 -11.33	32.81 -0.59 -9.96	30.03 -0.51 -8.14	27.40 -0.43 -7.21	27.14 -0.40 -5.29	22.13 -0.20 -5.93	21.64 0.11 -5.76
WHAVSTOR_138KV_BK127 55557	30.55 0.26 -24.39	30.44 0.37 -20.71	29.81 0.36 -19.85	29.17 0.35 -18.97	29.72 0.38 -18.44	33.08 0.51 -18.74	41.22 1.02 -15.36	50.20 1.22 -22.43	45.27 1.30 -17.92	39.79 1.24 -14.22	37.58 1.04 -15.23	36.19 1.04 -13.56	36.25 0.89 -16.91	36.82 0.96 -16.21	37.65 0.79 -20.80	41.50 0.96 -21.40	52.31 0.89 -32.82	65.80 1.16 -42.27	61.75 1.17 -37.14	53.84 1.08 -30.36	48.50 0.99 -26.88	43.10 1.11 -19.74	39.32 0.80 -22.12	37.93 0.68 -21.48
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	30.55 0.26 -24.39	30.44 0.37 -20.71	29.81 0.36 -19.85	29.17 0.35 -18.97	29.72 0.38 -18.44	33.08 0.51 -18.74	41.22 1.02 -15.36	50.20 1.22 -22.43	45.27 1.30 -17.92	39.79 1.24 -14.22	37.58 1.04 -15.23	36.19 1.04 -13.56	36.25 0.89 -16.91	36.82 0.96 -16.21	37.65 0.79 -20.80	41.50 0.96 -21.40	52.31 0.89 -32.82	65.80 1.16 -42.27	61.75 1.17 -37.14	53.84 1.08 -30.36	48.50 0.99 -26.88	43.10 1.11 -19.74	39.32 0.80 -22.12	37.93 0.68 -21.48
WHITEHAL_115KV_TB1 80871	37.67 0.54 -31.23	36.69 0.81 -26.52	35.82 0.80 -25.41	34.94 0.80 -24.29	35.39 0.87 -23.61	39.02 1.20 -24.00	46.84 2.34 -19.66	57.71 2.44 -28.72	51.49 2.50 -22.95	45.39 2.24 -18.83	43.37 1.90 -20.16	41.44 1.90 -17.95	42.46 1.62 -22.38	42.83 1.73 -21.46	44.95 1.35 -27.53	48.63 1.17 -28.33	63.29 1.25 -43.44	80.04 1.72 -55.95	74.35 1.76 -49.15	64.16 1.57 -40.19	57.61 1.40 -35.57	49.73 1.36 -26.13	46.57 0.90 -29.28	45.57 1.37 -28.43
WHITEPLN_13_KV_LOAD 356215	31.34 0.33 -25.11	31.16 0.47 -21.32	30.49 0.45 -20.43	29.83 0.45 -19.53	30.36 0.48 -18.98	33.77 0.65 -19.29	41.99 1.34 -15.81	51.26 1.62 -23.09	46.21 1.72 -18.45	40.67 1.65 -14.69	38.42 1.38 -15.73	36.96 1.36 -14.00	37.10 1.18 -17.46	37.65 1.26 -16.74	38.58 1.03 -21.48	42.48 1.24 -22.10	53.70 1.21 -33.89	67.61 1.59 -43.65	63.36 1.57 -38.35	55.19 1.43 -31.36	49.71 1.32 -27.76	44.10 1.47 -20.39	40.29 1.05 -22.85	38.84 0.88 -22.18
WM_FLOYD_69_KV_BK2 356380	32.26 0.63 -25.72	31.57 0.84 -21.36	30.89 0.82 -20.47	30.17 0.76 -19.56	30.74 0.82 -19.02	34.38 1.23 -19.33	43.44 2.63 -15.97	52.53 2.84 -23.13	47.53 3.00 -18.48	42.05 2.82 -14.90	39.88 2.34 -16.23	38.49 2.33 -14.56	38.45 1.97 -18.03	39.21 2.16 -17.40	41.43 1.78 -23.58	51.85 2.16 -30.55	84.79 2.16 -64.03	88.28 2.73 -63.19	86.61 2.81 -60.36	83.66 2.62 -58.63	64.28 2.37 -41.28	54.60 2.49 -29.87	41.60 1.92 -23.29	40.03 1.67 -22.59
WOODARD__115KV_TB2 355635	10.74 0.00 -4.84	13.49 0.01 -4.11	13.55 0.00 -3.94	13.61 -0.01 -3.77	14.54 -0.02 -3.66	17.53 -0.01 -3.72	27.82 -0.07 -3.05	31.06 0.05 -4.46	29.71 0.10 -3.56	27.03 0.12 -2.58	24.16 0.13 -2.73	23.96 0.15 -2.21	21.46 0.13 -2.88	22.41 0.16 -2.60	19.66 0.11 -3.47	22.83 0.15 -3.54	24.37 0.15 -5.62	29.81 0.18 -7.26	30.34 0.16 -6.74	27.67 0.16 -5.11	25.28 0.14 -4.51	25.54 0.11 -3.19	20.34 0.10 -3.85	19.80 0.13 -3.90

YORK___WARBASSE	31.39	31.20	30.52	29.87	30.41	33.72	41.82	51.14	46.06	40.56	38.31	36.79	36.96	37.52	38.47	42.32	53.57	67.45	63.20	55.03	49.49	43.83	40.23	38.80
23770	0.34	0.47	0.44	0.45	0.49	0.57	1.14	1.46	1.54	1.51	1.24	1.17	1.01	1.10	0.88	1.03	1.00	1.34	1.34	1.21	1.05	1.16	0.95	0.80
	-25.15	-21.36	-20.47	-19.56	-19.02	-19.33	-15.84	-23.13	-18.48	-14.72	-15.76	-14.03	-17.50	-16.78	-21.52	-22.15	-33.96	-43.74	-38.43	-31.42	-27.81	-20.43	-22.89	-22.23