

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

05/19/2026

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	45.22	39.16	37.99	36.10	34.39	36.44	41.25	45.13	42.59	49.73	55.67	55.52	54.49	62.22	78.23	92.29	115.18	95.50	106.47	91.86	97.19	65.00	57.16	50.52
24138	3.26	2.65	2.50	2.29	2.26	2.36	3.20	3.91	3.96	4.59	5.73	6.37	5.75	6.35	5.56	6.46	6.28	6.92	9.21	8.34	8.65	5.79	4.96	4.10
	0.00	0.00	0.00	0.00	-0.01	-0.06	0.00	0.00	0.00	0.00	0.00	-0.08	-5.16	-5.53	-29.42	-37.16	-60.97	-36.94	-17.76	-7.78	-4.81	0.00	0.00	-0.33
74TH STREET_GT_1	45.24	39.19	38.05	36.17	34.43	36.49	41.27	45.07	42.49	49.55	55.44	55.28	54.37	62.09	78.08	92.09	114.95	95.33	88.81	79.64	89.63	65.01	57.15	50.49
24260	3.28	2.68	2.56	2.35	2.30	2.40	3.22	3.84	3.86	4.41	5.50	6.13	5.63	6.23	5.45	6.32	6.14	6.81	9.14	8.31	8.61	5.80	4.95	4.07
	0.00	0.00	0.00	0.00	-0.01	-0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-37.11	-60.87	-36.88	-0.17	4.40	2.72	0.00	-0.33
74TH STREET_GT_2	45.24	39.19	38.05	36.17	34.43	36.49	41.27	45.07	42.49	49.55	55.44	55.28	54.37	62.09	78.08	92.09	114.95	95.33	88.81	79.64	89.63	65.01	57.15	50.49
24261	3.28	2.68	2.56	2.35	2.30	2.40	3.22	3.84	3.86	4.41	5.50	6.13	5.63	6.23	5.45	6.32	6.14	6.81	9.14	8.31	8.61	5.80	4.95	4.07
	0.00	0.00	0.00	0.00	-0.01	-0.06	0.00	0.00	0.00	0.00	0.00	-0.08	-5.17	-5.52	-29.38	-37.11	-60.87	-36.88	-0.17	4.40	2.72	0.00	0.00	-0.33
ADK HUDSON___FALLS	44.36	38.41	37.38	35.63	33.81	36.13	40.48	43.64	40.59	47.22	52.49	51.87	45.64	52.92	45.75	51.82	51.16	55.20	85.17	81.16	89.74	63.41	55.76	49.06
24011	2.40	1.90	1.90	1.82	1.69	2.10	2.44	2.42	1.96	2.08	2.55	2.80	2.17	2.58	2.50	3.16	3.22	3.56	5.67	5.42	6.00	4.20	3.56	2.97
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	44.65	38.56	37.54	35.80	33.93	36.41	40.78	43.91	40.80	47.40	52.74	52.13	45.85	53.16	45.95	52.24	51.58	55.67	85.95	81.77	90.52	63.96	56.32	49.54
23798	2.69	2.05	2.06	1.99	1.81	2.39	2.73	2.69	2.17	2.26	2.80	3.06	2.38	2.82	2.70	3.58	3.64	4.03	6.45	6.03	6.79	4.75	4.12	3.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	44.36	38.41	37.38	35.63	33.81	36.13	40.48	43.64	40.59	47.22	52.49	51.87	45.64	52.92	45.75	51.82	51.16	55.20	85.17	81.16	89.74	63.41	55.76	49.06
24028	2.40	1.90	1.90	1.82	1.69	2.10	2.44	2.42	1.96	2.08	2.55	2.80	2.17	2.58	2.50	3.16	3.22	3.56	5.67	5.42	6.00	4.20	3.56	2.97
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	44.04	38.31	37.24	35.49	33.77	35.79	40.06	43.39	40.43	46.74	51.58	51.01	45.04	52.24	45.35	51.12	50.60	54.39	83.09	79.12	87.35	62.07	54.73	48.21
23527	2.08	1.80	1.76	1.68	1.65	1.77	2.02	2.17	1.80	1.60	1.64	1.94	1.59	1.90	2.09	2.45	2.66	2.76	3.59	3.38	3.62	2.86	2.53	2.11
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	42.91	37.45	36.40	34.67	32.97	34.92	39.07	42.27	39.44	45.80	50.64	49.99	44.17	51.17	44.31	49.85	49.27	52.98	80.98	77.09	84.89	60.09	52.97	46.76
24190	0.95	0.94	0.92	0.86	0.85	0.90	1.02	1.04	0.81	0.65	0.70	0.92	0.71	0.83	1.06	1.19	1.34	1.34	1.48	1.35	1.15	0.88	0.77	0.67
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	41.01	35.65	34.58	33.05	31.40	30.85	32.05	37.72	33.65	44.17	48.58	45.10	36.71	42.82	36.30	40.87	40.29	43.52	69.54	72.66	81.47	55.65	49.36	43.43
355683	-0.96	-0.86	-0.91	-0.76	-0.71	-0.82	-1.02	-1.02	-1.04	-0.97	-1.36	-1.50	-1.25	-1.34	-1.35	-1.74	-1.62	-1.75	-2.30	-2.44	-2.26	-1.50	-1.32	-1.04
	0.00	0.00	0.00	0.00	0.00	2.36	4.97	2.49	3.94	0.00	0.00	2.48	5.62	6.19	5.60	6.06	6.03	6.36	7.66	0.64	0.00	2.07	1.52	1.62
ALBANY_1_SOLAR	43.66	38.11	37.04	35.28	33.55	35.54	39.75	42.78	39.79	46.12	50.99	50.13	43.79	50.73	44.13	49.63	49.08	46.25	80.78	77.25	85.26	60.29	53.17	47.11
323833	1.70	1.60	1.56	1.46	1.43	1.52	1.70	1.56	1.16	0.98	1.05	1.07	0.31	0.38	0.88	0.97	1.14	0.87	1.28	1.52	1.52	1.08	0.98	1.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	6.26	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	43.65	38.10	37.03	35.27	33.54	35.54	39.73	42.77	39.78	46.11	50.98	50.12	43.79	50.71	44.12	49.61	49.06	46.24	80.75	77.22	85.20	60.27	53.15	47.10
323834	1.69	1.59	1.55	1.46	1.43	1.52	1.69	1.55	1.15	0.97	1.04	1.06	0.31	0.36	0.87	0.95	1.12	0.86	1.25	1.48	1.46	1.06	0.95	1.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	6.25	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	42.91	37.45	36.40	34.67	32.97	34.92	39.07	42.27	39.44	45.80	50.64	49.99	44.17	51.17	44.31	49.85	49.27	52.98	80.98	77.09	84.89	60.09	52.97	46.76
23571	0.95	0.94	0.92	0.86	0.85	0.90	1.02	1.04	0.81	0.65	0.70	0.92	0.71	0.83	1.06	1.19	1.34	1.34	1.48	1.35	1.15	0.88	0.77	0.67
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ALBANY___2 23572	42.91 0.95 0.00	37.45 0.94 0.00	36.40 0.92 0.00	34.67 0.86 0.00	32.97 0.85 0.00	34.92 0.90 0.00	39.07 1.02 0.00	42.27 1.04 0.00	39.44 0.81 0.00	45.80 0.65 0.00	50.64 0.70 0.00	49.99 0.92 0.00	44.17 0.71 0.12	51.17 0.83 0.00	44.31 1.06 0.00	49.85 1.19 0.00	49.27 1.34 0.00	52.98 1.34 0.00	80.98 1.48 0.00	77.09 1.35 0.00	84.89 1.15 0.00	60.09 0.88 0.00	52.97 0.77 0.00	46.76 0.67 0.00
ALBANY___3 23573	42.91 0.95 0.00	37.45 0.94 0.00	36.40 0.92 0.00	34.67 0.86 0.00	32.97 0.85 0.00	34.92 0.90 0.00	39.07 1.02 0.00	42.27 1.04 0.00	39.44 0.81 0.00	45.80 0.65 0.00	50.64 0.70 0.00	49.99 0.92 0.00	44.17 0.71 0.12	51.17 0.83 0.00	44.31 1.06 0.00	49.85 1.19 0.00	49.27 1.34 0.00	52.98 1.34 0.00	80.98 1.48 0.00	77.09 1.35 0.00	84.89 1.15 0.00	60.09 0.88 0.00	52.97 0.77 0.00	46.76 0.67 0.00
ALBANY___4 23574	42.91 0.95 0.00	37.45 0.94 0.00	36.40 0.92 0.00	34.67 0.86 0.00	32.97 0.85 0.00	34.92 0.90 0.00	39.07 1.02 0.00	42.27 1.04 0.00	39.44 0.81 0.00	45.80 0.65 0.00	50.64 0.70 0.00	49.99 0.92 0.00	44.17 0.71 0.12	51.17 0.83 0.00	44.31 1.06 0.00	49.85 1.19 0.00	49.27 1.34 0.00	52.98 1.34 0.00	80.98 1.48 0.00	77.09 1.35 0.00	84.89 1.15 0.00	60.09 0.88 0.00	52.97 0.77 0.00	46.76 0.67 0.00
ALBANY___LFGE 323615	43.37 1.41 0.00	37.83 1.32 0.00	36.77 1.28 0.00	35.01 1.20 0.00	33.29 1.18 0.00	35.27 1.25 0.00	39.46 1.41 0.00	42.70 1.48 0.00	39.90 1.27 0.00	46.38 1.23 0.00	51.30 1.36 0.00	50.65 1.58 0.00	44.74 1.28 0.12	51.90 1.56 0.00	44.97 1.72 0.00	50.56 1.90 0.00	49.98 2.04 0.00	53.76 2.13 0.00	82.21 2.72 0.00	78.23 2.49 0.00	86.12 2.38 0.00	60.92 1.71 0.00	53.66 1.47 0.00	47.33 1.24 0.00
ALCOA_PA_115KV_PL-6C 55860	40.99 -0.97 0.00	35.64 -0.86 0.00	34.61 -0.87 0.00	33.10 -0.72 0.00	31.45 -0.66 0.00	30.11 -0.78 3.12	30.45 -1.02 6.58	36.92 -1.01 3.29	32.38 -1.03 5.22	44.16 -0.98 0.00	48.57 -1.37 0.00	44.20 -1.59 3.28	34.82 -1.31 7.45	40.73 -1.42 8.19	34.45 -1.38 7.42	38.84 -1.80 8.02	38.22 -1.73 7.98	41.37 -1.85 8.42	66.97 -2.36 10.16	72.47 -2.41 0.86	81.51 -2.22 0.00	54.92 -1.52 2.77	48.86 -1.29 2.04	42.85 -1.06 2.18
ALCOA_RYNLDS___DRP 24188	41.00 -0.96 0.00	35.64 -0.86 0.00	34.61 -0.87 0.00	33.10 -0.72 0.00	31.46 -0.66 0.00	30.11 -0.79 3.12	30.45 -1.02 6.58	36.92 -1.01 3.29	32.39 -1.02 5.22	44.16 -0.98 0.00	48.57 -1.37 0.00	44.21 -1.57 3.28	34.82 -1.31 7.45	40.74 -1.41 8.19	34.45 -1.38 7.42	38.84 -1.80 8.02	38.22 -1.73 7.98	41.38 -1.84 8.42	66.98 -2.36 10.16	72.48 -2.41 0.86	81.52 -2.22 0.00	54.92 -1.52 2.77	48.86 -1.29 2.04	42.86 -1.06 2.18
ALCOA___DSASP 323711	41.00 -0.96 0.00	35.64 -0.86 0.00	34.61 -0.87 0.00	33.10 -0.72 0.00	31.46 -0.66 0.00	30.11 -0.79 3.12	30.45 -1.02 6.58	36.92 -1.01 3.29	32.39 -1.02 5.22	44.16 -0.98 0.00	48.57 -1.37 0.00	44.21 -1.57 3.28	34.82 -1.31 7.45	40.74 -1.41 8.19	34.45 -1.38 7.42	38.84 -1.80 8.02	38.22 -1.73 7.98	41.38 -1.84 8.42	66.98 -2.36 10.16	72.48 -2.41 0.86	81.52 -2.22 0.00	54.92 -1.52 2.77	48.86 -1.29 2.04	42.86 -1.06 2.18
ALLEGHENY___COGEN 23514	88.17 0.63 -45.57	36.97 0.34 -0.11	36.20 0.71 0.00	34.31 0.49 0.00	32.20 0.10 0.03	53.95 0.07 -19.86	90.97 0.75 -52.17	92.31 1.52 -49.56	73.17 1.31 -33.22	47.52 0.62 -1.76	103.43 0.12 -53.37	105.01 -1.57 -57.51	94.46 -4.04 -54.93	103.48 -5.19 -58.32	87.69 -4.68 -49.12	101.10 -4.68 -57.12	101.69 -5.11 -58.86	106.02 -5.20 -59.58	152.97 -7.67 -81.14	138.31 -5.28 -67.85	134.02 -4.74 -55.02	123.21 -3.31 -67.30	116.96 2.26 -62.50	101.11 0.98 -54.04
ALTAMONT_115KV_TB 2 55880	43.26 1.29 0.00	37.72 1.21 0.00	36.66 1.18 0.00	34.92 1.10 0.00	33.19 1.07 0.00	35.16 1.14 0.00	39.36 1.31 0.00	42.59 1.37 0.00	39.84 1.21 0.00	46.31 1.16 0.00	51.24 1.30 0.00	50.55 1.49 0.00	44.65 1.19 0.11	51.71 1.37 0.00	44.71 1.45 0.00	50.29 1.62 0.00	49.64 1.70 0.00	53.83 1.84 -0.35	81.83 2.33 0.00	77.96 2.22 0.00	85.94 2.21 0.00	60.81 1.60 0.00	53.60 1.40 0.00	47.25 1.15 0.00
ALTONA_WT_PWR 323606	40.98 -0.98 0.00	35.48 -1.03 0.00	34.32 -1.16 0.00	32.97 -0.85 0.00	31.38 -0.74 0.00	31.23 -0.78 2.01	32.70 -1.11 4.24	37.69 -1.41 2.12	33.68 -1.64 3.31	43.55 -1.59 0.00	47.85 -2.08 0.00	44.93 -2.06 2.08	36.97 -1.89 4.72	43.09 -2.06 5.19	36.58 -1.97 4.70	40.95 -2.63 5.08	40.29 -2.59 5.06	43.64 -2.67 5.33	69.87 -3.24 6.39	72.03 -3.21 0.49	80.49 -3.24 0.00	55.32 -2.29 1.60	49.10 -1.92 1.18	43.05 -1.78 1.26
AMERICAN_REF_FUEL 24010	25.71 -3.07 13.18	33.08 -3.40 0.03	32.49 -2.99 0.00	30.73 -3.09 0.00	28.91 -3.19 0.02	24.90 -2.99 6.13	20.15 -2.86 15.04	24.55 -2.38 14.29	26.84 -2.11 9.68	42.02 -2.60 0.51	32.43 -1.90 15.61	29.78 -2.56 16.73	24.68 -3.01 15.89	30.37 -3.19 16.78	24.62 -2.84 15.80	28.61 -3.60 16.46	27.18 -3.73 17.03	30.87 -3.55 17.21	50.34 -5.90 23.26	50.93 -5.45 19.36	62.63 -5.56 15.55	35.12 -4.73 19.35	30.62 -3.81 17.77	25.32 -3.42 17.35
ARKWRIGHT___SUMMIT_WT_PWR 323751	24.48 -1.94 15.54	34.62 -1.85 0.04	33.99 -1.49 0.00	31.59 -2.22 0.00	29.29 -2.81 0.02	24.07 -2.81 7.15	18.25 -2.01 17.79	22.79 -1.57 16.87	26.12 -1.19 11.32	43.38 -1.17 0.60	30.78 -0.96 18.20	27.63 -1.93 19.50	22.99 -2.03 18.55	29.04 -1.59 19.73	23.52 -1.10 18.63	27.98 -1.36 19.33	25.90 -2.01 20.04	29.34 -2.01 20.28	48.61 -3.48 27.41	50.54 -2.37 22.82	63.23 -2.17 18.34	34.27 -2.10 22.84	28.02 -2.96 21.23	22.34 -3.27 20.48
ARTHUR KILL_GT_1 23520	45.18 3.22 0.00	39.16 2.65 0.00	38.00 2.52 0.00	36.12 2.30 0.00	34.37 2.25 -0.01	36.37 2.29 -0.06	41.17 3.13 0.00	45.00 3.77 0.00	42.44 3.81 0.00	49.45 4.31 0.00	55.27 5.33 0.00	55.14 5.99 -0.08	54.24 5.49 -5.17	61.78 5.92 -5.52	77.53 4.89 -29.38	91.58 5.81 -37.11	114.43 5.62 -60.87	94.70 6.18 -36.88	103.04 8.36 -15.17	92.59 7.82 -9.03	97.33 8.00 -5.58	64.65 5.44 0.00	57.75 4.83 -0.73	50.27 3.84 -0.33
ARTHUR_KILL_2 23512	45.04 3.08 0.00	39.04 2.53 0.00	37.89 2.41 0.00	36.01 2.20 0.00	34.28 2.15 -0.01	36.25 2.17 -0.06	41.01 2.96 0.00	44.85 3.63 0.00	42.30 3.66 0.00	49.30 4.15 0.00	55.05 5.12 0.00	54.93 5.79 -0.08	54.07 5.32 -5.17	61.55 5.69 -5.52	77.35 4.72 -29.38	91.36 5.59 -37.11	114.17 5.36 -60.87	94.39 5.87 -36.88	102.88 8.20 -15.17	92.41 7.64 -9.03	96.99 7.67 -5.58	64.32 5.11 0.00	57.45 4.52 -0.73	50.06 3.64 -0.33
ARTHUR_KILL_3 23513	44.73 2.76 0.00	38.76 2.25 0.00	37.60 2.11 0.00	35.74 1.92 0.00	34.03 1.90 -0.01	36.03 1.95 -0.06	40.72 2.68 0.00	44.50 3.28 0.00	41.97 3.34 0.00	48.96 3.81 0.00	54.72 4.78 0.00	54.58 5.44 -0.08	53.76 5.02 -5.17	61.41 5.54 -5.52	77.50 4.85 -29.39	91.43 5.64 -37.13	114.33 5.48 -60.91	94.68 6.14 -36.91	107.14 8.06 -19.58	92.05 7.27 -9.04	96.82 7.49 -5.59	64.26 5.05 0.00	56.56 4.36 0.00	49.99 3.56 -0.33

ARTHUR_KILL_COGEN 323718	45.17 3.20 0.00	39.16 2.65 0.00	38.00 2.52 0.00	36.12 2.30 0.00	34.38 2.26 -0.01	36.37 2.28 -0.06	41.14 3.10 0.00	44.99 3.77 0.00	42.43 3.80 0.00	49.46 4.31 0.00	55.25 5.32 0.00	55.12 5.97 -0.08	54.26 5.51 -5.17	61.78 5.91 -5.52	77.53 4.90 -29.38	91.58 5.81 -37.11	114.41 5.60 -60.87	94.66 6.14 -36.88	103.31 8.63 -15.17	92.84 8.08 -9.03	97.44 8.12 -5.58	64.63 5.42 0.00	57.70 4.78 -0.73	50.27 3.84 -0.33
ASHOKAN____ 23654	44.11 2.14 0.00	38.34 1.83 0.00	37.19 1.70 0.00	35.36 1.54 0.00	33.61 1.49 0.00	35.69 1.62 -0.05	40.10 2.05 0.00	43.61 2.39 0.00	40.99 2.35 0.00	47.45 2.31 0.00	52.63 2.69 0.00	52.25 3.18 0.00	46.44 2.87 0.00	53.63 3.28 0.00	47.03 3.48 -0.29	53.58 4.92 0.00	52.81 4.88 0.00	50.94 5.15 5.84	86.79 7.29 0.00	82.52 6.79 0.00	90.87 7.14 0.00	63.84 4.63 0.00	55.92 3.73 0.00	49.31 2.94 -0.28
ASTORIA_EAST_ENERGY_CC1 323581	44.91 2.94 0.00	38.96 2.45 0.00	37.87 2.39 0.00	36.03 2.22 0.00	34.28 2.16 -0.01	36.18 2.10 -0.06	40.98 2.94 0.00	44.77 3.54 0.00	42.19 3.55 0.00	49.14 3.99 0.00	54.94 5.00 0.00	54.84 5.69 -0.08	53.95 5.20 -5.17	61.41 5.54 -5.52	77.62 4.99 -29.38	91.61 5.85 -37.11	114.11 5.30 -60.87	94.24 5.73 -36.88	85.89 8.24 1.85	79.56 7.74 3.92	89.01 7.70 2.43	64.01 4.80 0.01	56.36 4.17 0.01	49.87 3.44 -0.33
ASTORIA_EAST_ENERGY_CC2 323582	44.91 2.94 0.00	38.96 2.45 0.00	37.87 2.39 0.00	36.03 2.22 0.00	34.28 2.16 -0.01	36.17 2.09 -0.06	40.98 2.94 0.00	44.77 3.54 0.00	42.19 3.55 0.00	49.14 3.99 0.00	54.94 5.00 0.00	54.84 5.69 -0.08	53.95 5.20 -5.17	61.41 5.54 -5.52	77.62 4.99 -29.38	91.61 5.85 -37.11	114.11 5.30 -60.87	94.24 5.73 -36.88	85.89 8.24 1.85	79.56 7.74 3.92	89.01 7.70 2.43	64.01 4.80 0.01	56.36 4.17 0.01	49.87 3.44 -0.33
ASTORIA_GT2_1 24094	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT2_2 24095	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT2_3 24096	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT2_4 24097	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT3_1 24098	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT3_2 24099	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT3_3 24100	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT3_4 24101	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT4_1 24102	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT4_2 24103	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT4_3 24104	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33

ASTORIA_GT4_4 24105	44.96 3.00 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.22 0.00	34.28 2.16 -0.01	36.20 2.11 -0.06	41.04 2.99 0.00	44.80 3.58 0.00	42.22 3.58 0.00	49.16 4.02 0.00	54.98 5.05 0.00	54.89 5.74 -0.08	53.96 5.22 -5.17	61.45 5.59 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.17 5.36 -60.87	94.36 5.85 -36.88	85.61 7.96 1.85	79.09 7.27 3.92	88.67 7.37 2.43	64.07 4.87 0.01	56.43 4.23 0.01	49.90 3.47 -0.33
ASTORIA_GT_1 23523	45.06 3.09 0.00	39.06 2.55 0.00	37.96 2.48 0.00	36.11 2.29 0.00	34.35 2.23 -0.01	36.26 2.18 -0.06	41.12 3.08 0.00	44.90 3.68 0.00	42.33 3.69 0.00	49.30 4.15 0.00	55.14 5.20 0.00	55.03 5.89 -0.08	54.11 5.36 -5.17	61.62 5.75 -5.52	77.79 5.16 -29.38	91.81 6.04 -37.11	114.33 5.53 -60.87	94.54 6.02 -36.88	85.91 8.26 1.85	79.35 7.54 3.92	88.96 7.65 2.43	64.25 5.05 0.01	56.58 4.39 0.01	50.03 3.60 -0.33
ASTORIA_GT_10 24110	44.84 2.87 0.00	38.86 2.35 0.00	37.73 2.25 0.00	35.88 2.06 0.00	34.17 2.04 -0.01	36.14 2.06 -0.06	40.90 2.85 0.00	44.68 3.45 0.00	42.13 3.50 0.00	49.10 3.96 0.00	54.93 4.99 0.00	54.78 5.64 -0.08	53.93 5.18 -5.17	61.45 5.58 -5.52	77.45 4.82 -29.38	91.35 5.58 -37.11	114.17 5.36 -60.87	94.46 5.94 -36.88	88.31 7.96 -0.85	79.04 7.23 3.93	88.64 7.34 2.43	64.14 4.93 0.00	56.55 4.35 0.00	50.02 3.60 -0.33
ASTORIA_GT_11 24225	44.84 2.87 0.00	38.86 2.35 0.00	37.73 2.25 0.00	35.88 2.06 0.00	34.17 2.04 -0.01	36.14 2.06 -0.06	40.90 2.85 0.00	44.68 3.45 0.00	42.13 3.50 0.00	49.10 3.96 0.00	54.93 4.99 0.00	54.78 5.64 -0.08	53.93 5.18 -5.17	61.45 5.58 -5.52	77.45 4.82 -29.38	91.35 5.58 -37.11	114.17 5.36 -60.87	94.46 5.94 -36.88	88.31 7.96 -0.85	79.04 7.23 3.93	88.64 7.34 2.43	64.14 4.93 0.00	56.55 4.35 0.00	50.02 3.60 -0.33
ASTORIA_GT_12 24226	44.84 2.87 0.00	38.86 2.35 0.00	37.73 2.25 0.00	35.88 2.06 0.00	34.17 2.04 -0.01	36.14 2.06 -0.06	40.90 2.85 0.00	44.68 3.45 0.00	42.13 3.50 0.00	49.10 3.96 0.00	54.93 4.99 0.00	54.78 5.64 -0.08	53.93 5.18 -5.17	61.45 5.58 -5.52	77.45 4.82 -29.38	91.35 5.58 -37.11	114.17 5.36 -60.87	94.46 5.94 -36.88	88.31 7.96 -0.85	79.04 7.23 3.93	88.64 7.34 2.43	64.14 4.93 0.00	56.55 4.35 0.00	50.02 3.60 -0.33
ASTORIA_GT_13 24227	44.84 2.87 0.00	38.86 2.35 0.00	37.73 2.25 0.00	35.88 2.06 0.00	34.17 2.04 -0.01	36.14 2.06 -0.06	40.90 2.85 0.00	44.68 3.45 0.00	42.13 3.50 0.00	49.10 3.96 0.00	54.93 4.99 0.00	54.78 5.64 -0.08	53.93 5.18 -5.17	61.45 5.58 -5.52	77.45 4.82 -29.38	91.35 5.58 -37.11	114.17 5.36 -60.87	94.46 5.94 -36.88	88.31 7.96 -0.85	79.04 7.23 3.93	88.64 7.34 2.43	64.14 4.93 0.00	56.55 4.35 0.00	50.02 3.60 -0.33
ASTORIA_GT_5 24106	45.06 3.09 0.00	39.06 2.55 0.00	37.96 2.48 0.00	36.11 2.29 0.00	34.35 2.23 -0.01	36.26 2.18 -0.06	41.12 3.08 0.00	44.90 3.68 0.00	42.33 3.69 0.00	49.30 4.15 0.00	55.14 5.20 0.00	55.03 5.89 -0.08	54.11 5.36 -5.17	61.62 5.75 -5.52	77.79 5.16 -29.38	91.81 6.04 -37.11	114.33 5.53 -60.87	94.54 6.02 -36.88	85.91 8.26 1.85	79.35 7.54 3.92	88.96 7.65 2.43	64.25 5.05 0.01	56.58 4.39 0.01	50.03 3.60 -0.33
ASTORIA_GT_7 24107	45.06 3.09 0.00	39.06 2.55 0.00	37.96 2.48 0.00	36.11 2.29 0.00	34.35 2.23 -0.01	36.26 2.18 -0.06	41.12 3.08 0.00	44.90 3.68 0.00	42.33 3.69 0.00	49.30 4.15 0.00	55.14 5.20 0.00	55.03 5.89 -0.08	54.11 5.36 -5.17	61.62 5.75 -5.52	77.79 5.16 -29.38	91.81 6.04 -37.11	114.33 5.53 -60.87	94.54 6.02 -36.88	85.91 8.26 1.85	79.35 7.54 3.92	88.96 7.65 2.43	64.25 5.05 0.01	56.58 4.39 0.01	50.03 3.60 -0.33
ASTORIA_GT_8 24108	45.06 3.09 0.00	39.06 2.55 0.00	37.96 2.48 0.00	36.11 2.29 0.00	34.35 2.23 -0.01	36.26 2.18 -0.06	41.12 3.08 0.00	44.90 3.68 0.00	42.33 3.69 0.00	49.30 4.15 0.00	55.14 5.20 0.00	55.03 5.89 -0.08	54.11 5.36 -5.17	61.62 5.75 -5.52	77.79 5.16 -29.38	91.81 6.04 -37.11	114.33 5.53 -60.87	94.54 6.02 -36.88	85.91 8.26 1.85	79.35 7.54 3.92	88.96 7.65 2.43	64.25 5.05 0.01	56.58 4.39 0.01	50.03 3.60 -0.33
ASTORIA___2 24149	44.94 2.98 0.00	38.98 2.47 0.00	37.88 2.40 0.00	36.04 2.23 0.00	34.29 2.16 -0.01	36.19 2.11 -0.06	41.00 2.96 0.00	44.79 3.56 0.00	42.19 3.55 0.00	49.17 4.03 0.00	54.97 5.03 0.00	54.86 5.72 -0.08	53.98 5.23 -5.17	61.44 5.57 -5.52	77.64 5.01 -29.38	91.64 5.87 -37.11	114.14 5.33 -60.87	94.27 5.76 -36.88	87.17 8.30 0.63	80.45 7.79 3.08	89.56 7.73 1.91	64.04 4.84 0.01	56.39 4.20 0.01	49.89 3.47 -0.33
ASTORIA___3 23516	44.82 2.86 0.00	38.86 2.35 0.00	37.73 2.24 0.00	35.88 2.06 0.00	34.17 2.05 -0.01	36.14 2.06 -0.06	40.87 2.82 0.00	44.67 3.45 0.00	42.12 3.49 0.00	49.11 3.97 0.00	54.92 4.98 0.00	54.78 5.63 -0.08	53.94 5.20 -5.17	61.43 5.57 -5.52	77.45 4.82 -29.38	91.35 5.58 -37.11	114.15 5.34 -60.87	94.42 5.90 -36.88	88.43 8.08 -0.85	79.26 7.46 3.93	88.75 7.45 2.43	64.11 4.90 0.00	56.52 4.32 0.00	50.02 3.60 -0.33
ASTORIA___4 23517	44.84 2.87 0.00	38.86 2.35 0.00	37.73 2.25 0.00	35.88 2.06 0.00	34.17 2.04 -0.01	36.14 2.06 -0.06	40.90 2.85 0.00	44.67 3.45 0.00	42.13 3.50 0.00	49.10 3.96 0.00	54.93 4.99 0.00	54.78 5.64 -0.08	53.93 5.18 -5.17	61.45 5.58 -5.52	77.44 4.81 -29.38	91.35 5.58 -37.11	114.17 5.36 -60.87	94.46 5.94 -36.88	88.31 7.96 -0.85	79.03 7.23 3.93	88.64 7.34 2.43	64.14 4.93 0.00	56.55 4.35 0.00	50.02 3.59 -0.33
ASTORIA___5 23518	44.82 2.86 0.00	38.86 2.35 0.00	37.73 2.24 0.00	35.88 2.06 0.00	34.17 2.05 -0.01	36.14 2.06 -0.06	40.87 2.82 0.00	44.67 3.45 0.00	42.12 3.49 0.00	49.11 3.97 0.00	54.92 4.98 0.00	54.78 5.63 -0.08	53.94 5.20 -5.17	61.43 5.56 -5.52	77.45 4.82 -29.38	91.35 5.58 -37.11	114.15 5.34 -60.87	94.42 5.90 -36.88	88.43 8.08 -0.85	79.26 7.46 3.93	88.75 7.45 2.43	64.11 4.90 0.00	56.52 4.32 0.00	50.02 3.60 -0.33
AST_ENERGY_2_CC3 323677	44.83 2.86 0.00	38.86 2.35 0.00	37.71 2.22 0.00	35.85 2.04 0.00	34.14 2.02 -0.01	36.16 2.08 -0.06	40.83 2.79 0.00	44.61 3.39 0.00	42.05 3.41 0.00	49.03 3.89 0.00	54.83 4.90 0.00	54.67 5.53 -0.08	53.82 5.08 -5.17	61.45 5.58 -5.52	77.55 4.91 -29.38	91.48 5.71 -37.11	114.32 5.49 -60.89	94.62 6.09 -36.89	55.79 8.07 31.79	61.45 7.32 21.61	77.89 7.53 13.37	64.31 5.10 0.00	56.57 4.37 0.00	50.01 3.58 -0.33
AST_ENERGY_2_CC4 323678	44.83 2.86 0.00	38.86 2.35 0.00	37.71 2.22 0.00	35.85 2.04 0.00	34.14 2.02 -0.01	36.16 2.08 -0.06	40.83 2.79 0.00	44.61 3.39 0.00	42.05 3.41 0.00	49.03 3.89 0.00	54.83 4.90 0.00	54.67 5.53 -0.08	53.82 5.08 -5.17	61.45 5.58 -5.52	77.55 4.91 -29.38	91.48 5.71 -37.11	114.32 5.49 -60.89	94.62 6.09 -36.89	55.79 8.07 31.79	61.45 7.32 21.61	77.89 7.53 13.37	64.31 5.10 0.00	56.57 4.37 0.00	50.01 3.58 -0.33

ATHENS_STG_1 23668	43.69 1.73 0.00	38.09 1.58 0.00	37.02 1.53 0.00	35.24 1.43 0.00	33.52 1.39 0.00	35.55 1.47 -0.05	39.81 1.77 0.00	43.20 1.97 0.00	40.55 1.92 0.00	47.16 2.02 0.00	52.33 2.39 0.00	51.72 2.65 0.00	45.73 2.31 0.16	52.86 2.52 0.00	45.98 2.43 -0.30	51.50 2.83 0.00	50.71 2.77 0.00	54.68 3.04 0.00	83.29 3.79 0.00	79.28 3.54 0.00	87.28 3.55 0.00	61.64 2.43 0.00	54.31 2.11 0.00	48.08 1.70 -0.29
ATHENS_STG_2 23670	43.69 1.73 0.00	38.09 1.58 0.00	37.02 1.53 0.00	35.24 1.43 0.00	33.52 1.39 0.00	35.55 1.47 -0.05	39.81 1.77 0.00	43.20 1.97 0.00	40.55 1.92 0.00	47.16 2.02 0.00	52.33 2.39 0.00	51.72 2.65 0.00	45.73 2.31 0.16	52.86 2.52 0.00	45.98 2.43 -0.30	51.50 2.83 0.00	50.71 2.77 0.00	54.68 3.04 0.00	83.29 3.79 0.00	79.28 3.54 0.00	87.28 3.55 0.00	61.64 2.43 0.00	54.31 2.11 0.00	48.08 1.70 -0.29
ATHENS_STG_3 23677	43.69 1.73 0.00	38.09 1.58 0.00	37.02 1.53 0.00	35.24 1.43 0.00	33.52 1.39 0.00	35.55 1.47 -0.05	39.81 1.77 0.00	43.20 1.97 0.00	40.55 1.92 0.00	47.16 2.02 0.00	52.33 2.39 0.00	51.72 2.65 0.00	45.73 2.31 0.16	52.86 2.52 0.00	45.98 2.43 -0.30	51.50 2.83 0.00	50.71 2.77 0.00	54.68 3.04 0.00	83.29 3.79 0.00	79.28 3.54 0.00	87.28 3.55 0.00	61.64 2.43 0.00	54.31 2.11 0.00	48.08 1.70 -0.29
AUBURN____LFGE 323710	44.12 0.39 -1.76	36.81 0.29 0.00	35.68 0.20 0.00	34.03 0.21 0.00	32.26 0.15 0.01	34.92 0.24 -0.66	40.47 0.33 -2.09	44.72 0.61 -2.89	41.71 0.76 -2.32	48.14 0.78 -2.22	56.50 0.78 -5.78	54.33 0.18 -5.08	47.76 0.07 -4.10	55.57 -0.05 -5.27	46.77 0.24 -3.27	54.26 0.48 -5.11	53.35 0.40 -5.01	57.73 0.48 -5.61	91.58 1.01 -11.06	88.23 1.92 -10.57	97.31 2.25 -11.32	67.50 1.00 -7.29	58.64 0.63 -5.81	48.14 0.18 -1.86
BABYLON_RES_REC 323704	45.88 3.82 -0.10	39.58 3.08 0.00	38.29 2.80 0.00	36.35 2.53 0.00	34.69 2.56 -0.01	36.76 2.68 -0.06	41.57 3.52 0.00	45.30 4.08 0.00	42.41 3.77 0.00	49.25 4.11 0.00	55.87 5.49 -0.45	58.68 5.98 -3.63	83.63 5.44 -34.61	61.48 5.74 -5.39	80.54 5.41 -31.88	95.04 6.26 -40.12	122.14 6.35 -67.85	145.39 7.08 -86.67	119.31 9.84 -29.97	95.06 9.19 -10.13	96.91 9.44 -3.73	65.13 5.92 0.00	56.96 4.76 0.00	50.49 4.07 -0.33
BALL_HILL_WT_PWR 323825	22.91 -2.07 16.98	34.37 -2.10 0.04	33.74 -1.74 0.00	31.74 -2.07 0.00	29.64 -2.46 0.02	23.85 -2.40 7.77	16.62 -2.00 19.43	21.33 -1.46 18.43	25.14 -1.12 12.37	43.29 -1.20 0.65	29.22 -0.84 19.88	26.26 -1.50 21.31	21.39 -1.82 20.37	27.09 -1.70 21.56	21.81 -1.25 20.20	26.09 -1.46 21.12	24.24 -1.96 21.75	27.91 -1.77 21.96	46.96 -2.87 29.68	48.80 -2.23 24.70	61.80 -2.10 19.84	32.02 -2.48 24.72	26.58 -2.64 22.98	21.42 -2.66 22.02
BARON_WINDS____WT_PWR 323822	-29.67 -2.07 69.56	34.71 -1.63 0.17	34.50 -0.98 0.00	32.78 -1.04 0.00	30.56 -1.52 0.04	0.91 -1.94 31.17	-43.03 -1.42 79.66	-35.43 -1.11 75.55	-12.63 -0.73 50.54	42.07 -1.07 2.01	-32.38 -1.79 80.53	-39.52 -2.10 86.49	-41.20 -1.96 82.81	-39.53 -2.37 87.51	-37.07 -1.66 78.67	-38.13 -1.05 85.74	-42.09 -1.61 88.42	-39.27 -1.75 89.15	-42.59 -2.63 119.47	-24.89 -1.69 98.94	3.19 -1.91 78.64	-43.00 -2.21 100.00	-43.00 -1.89 93.31	-42.70 -2.15 86.64
BARRETT_IC_1 23704	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_10 23701	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_11 23702	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_12 23703	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_2 23705	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_3 23706	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_4 23707	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_5 23708	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33

BARRETT_IC_6 23709	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_7 23710	45.39 3.33 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.15 3.11 0.00	44.84 3.62 0.00	42.10 3.47 0.00	48.97 3.83 0.00	55.60 5.21 -0.45	58.44 5.73 -3.64	83.26 5.07 -34.62	61.33 5.47 -5.52	120.33 5.10 -71.98	146.64 5.97 -92.00	231.61 5.97 -177.70	435.78 6.58 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.74 8.48 -61.53	81.10 5.37 -16.52	56.55 4.34 -0.02	50.11 3.69 -0.33
BARRETT_IC_8 23711	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT_IC_9 23700	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT___1 23545	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BARRETT___2 23546	45.39 3.32 -0.10	39.18 2.67 0.00	37.93 2.45 0.00	36.02 2.20 0.00	34.36 2.24 -0.01	36.42 2.34 -0.06	41.13 3.09 0.00	44.83 3.61 0.00	42.10 3.46 0.00	48.97 3.83 0.00	55.58 5.20 -0.45	58.43 5.72 -3.64	83.28 5.08 -34.62	61.31 5.45 -5.52	120.34 5.10 -71.99	146.64 5.97 -92.00	231.61 5.98 -177.70	435.77 6.57 -377.56	348.13 8.93 -259.70	183.60 8.23 -99.62	153.72 8.46 -61.53	81.07 5.34 -16.52	56.52 4.31 -0.02	50.11 3.68 -0.33
BATAVIA___115KV_TB1 55881	32.13 -0.82 9.02	35.25 -1.24 0.02	34.47 -1.01 0.00	32.60 -1.21 0.00	30.75 -1.35 0.02	28.65 -1.14 4.23	26.86 -0.90 10.29	31.26 -0.18 9.78	31.80 -0.22 6.61	44.54 -0.25 0.35	39.09 -0.18 10.66	36.74 -0.91 11.42	31.28 -1.43 10.86	37.40 -1.47 11.48	31.26 -0.92 11.08	36.26 -1.15 11.25	34.58 -1.75 11.62	38.73 -1.17 11.74	62.33 -1.31 15.86	62.48 -0.06 13.19	73.76 0.62 10.59	45.40 -0.62 13.19	39.26 -0.79 12.15	33.13 -0.89 12.08
BAYONEEC___CTG1 323682	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG10 323750	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG2 323683	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG3 323684	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG4 323685	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG5 323686	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG6 323687	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG7 323688	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33

BAYONEEC___CTG8 323689	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYONEEC___CTG9 323749	44.87 2.90 0.00	38.89 2.38 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.14 2.02 -0.01	36.17 2.09 -0.06	40.86 2.81 0.00	44.65 3.43 0.00	42.10 3.46 0.00	49.10 3.96 0.00	54.92 4.98 0.00	54.76 5.61 -0.08	53.89 5.15 -5.17	61.55 5.68 -5.52	77.63 4.98 -29.39	91.57 5.78 -37.13	114.44 5.59 -60.91	94.76 6.21 -36.91	107.29 8.21 -19.58	92.24 7.46 -9.04	97.00 7.67 -5.59	64.39 5.18 0.00	56.65 4.46 0.00	50.09 3.66 -0.33
BAYPORT_69_KV_BK 2 356364	46.51 4.45 -0.10	40.01 3.51 0.00	38.67 3.19 0.00	36.69 2.88 0.00	35.08 2.95 -0.01	37.12 3.04 -0.06	42.04 3.99 0.00	45.72 4.50 0.00	42.64 4.01 0.00	49.38 4.24 0.00	56.06 5.67 -0.45	58.91 6.21 -3.63	83.95 5.77 -34.61	61.40 6.15 -4.91	74.53 5.71 -25.57	85.21 6.42 -30.14	99.36 6.49 -44.93	110.06 7.31 -51.11	92.16 10.22 -2.44	90.02 9.75 -4.53	93.75 9.90 -0.12	64.32 6.15 1.03	57.15 4.95 0.00	50.70 4.27 -0.33
BEACON___LESR 323632	43.47 1.51 0.00	37.92 1.41 0.00	36.85 1.36 0.00	35.09 1.27 0.00	33.37 1.25 0.00	35.36 1.34 0.00	39.58 1.53 0.00	42.85 1.63 0.00	40.00 1.37 0.00	46.46 1.32 0.00	51.29 1.36 0.00	50.62 1.55 0.00	44.71 1.25 0.12	51.84 1.49 0.00	44.97 1.72 0.00	50.62 1.96 0.00	50.00 2.06 0.00	53.76 2.13 0.00	82.25 2.75 0.00	78.33 2.59 0.00	86.20 2.47 0.00	60.98 1.77 0.00	53.71 1.51 0.00	47.36 1.26 0.00
BEAVER RIVER___HYD 24048	40.94 -1.02 0.00	34.84 -1.67 0.01	33.89 -1.59 0.00	32.31 -1.50 0.00	30.76 -1.36 0.00	9.28 -1.67 23.07	-12.30 -1.77 48.58	15.07 -1.84 24.32	-1.43 -1.70 38.36	44.60 -1.57 -1.03	49.54 -1.70 -1.30	23.03 -3.04 23.00	-13.50 -2.97 54.11	-12.10 -3.31 59.14	-13.60 -2.93 53.92	-12.50 -3.24 57.93	-12.61 -2.85 57.71	-11.72 -2.67 60.68	5.56 -3.10 70.84	73.07 -0.45 2.23	87.96 0.33 -3.89	42.04 -1.06 16.11	39.49 -0.81 11.90	30.88 -1.12 14.09
BEEBEE_GT_13 23619	41.47 -0.51 -0.01	35.82 -0.69 0.00	34.88 -0.60 0.00	33.06 -0.76 0.00	31.24 -0.86 0.01	33.08 -0.79 0.16	37.42 -0.64 -0.02	41.05 -0.19 -0.01	38.61 -0.02 0.00	45.21 0.07 0.00	50.17 0.23 0.00	48.93 -0.14 0.00	43.05 -0.54 -0.01	49.89 -0.47 -0.01	42.12 -0.26 0.87	48.56 -0.11 -0.01	47.63 -0.20 0.00	51.84 0.20 0.00	80.12 0.61 0.00	76.69 0.96 0.00	84.83 1.10 0.00	59.07 -0.14 0.00	51.81 -0.41 -0.01	44.65 -0.60 0.84
BENSHRST_27_KV_BENSHRST_1 355998	45.30 3.34 0.00	39.26 2.75 0.00	38.10 2.62 0.00	36.19 2.37 0.00	34.44 2.32 -0.01	36.44 2.36 -0.06	41.27 3.23 0.00	45.13 3.91 0.00	42.59 3.96 0.00	49.66 4.52 0.00	55.57 5.63 0.00	55.44 6.30 -0.08	54.53 5.79 -5.17	62.17 6.31 -5.52	78.04 5.41 -29.38	92.08 6.31 -37.11	114.91 6.10 -60.87	95.26 6.74 -36.88	103.88 9.20 -15.17	93.25 8.48 -9.03	98.05 8.73 -5.58	65.08 5.87 0.00	58.08 5.15 -0.73	50.60 4.17 -0.33
BETHLEHEM___GRP 23843	42.91 0.95 0.00	37.45 0.94 0.00	36.40 0.92 0.00	34.67 0.86 0.00	32.97 0.85 0.00	34.92 0.90 0.00	39.07 1.02 0.00	42.27 1.04 0.00	39.44 0.81 0.00	45.80 0.65 0.00	50.64 0.70 0.00	49.99 0.92 0.00	44.17 0.71 0.12	51.17 0.83 0.00	44.31 1.06 0.00	49.85 1.19 0.00	49.27 1.34 0.00	52.98 1.34 0.00	80.98 1.48 0.00	77.09 1.35 0.00	84.89 1.15 0.00	60.09 0.88 0.00	52.97 0.77 0.00	46.76 0.67 0.00
BETHLEHEM___GS1 323560	42.90 0.94 0.00	37.45 0.94 0.00	36.40 0.92 0.00	34.67 0.86 0.00	32.97 0.85 0.00	34.92 0.90 0.00	39.05 1.00 0.00	42.26 1.04 0.00	39.45 0.81 0.00	45.80 0.66 0.00	50.64 0.70 0.00	49.98 0.91 0.00	44.16 0.70 0.12	51.17 0.82 0.00	44.31 1.06 0.00	49.87 1.20 0.00	49.27 1.33 0.00	52.98 1.34 0.00	80.98 1.48 0.00	77.07 1.34 0.00	84.87 1.13 0.00	60.08 0.87 0.00	52.97 0.77 0.00	46.76 0.66 0.00
BETHLEHEM___GS2 323561	42.90 0.94 0.00	37.45 0.94 0.00	36.40 0.92 0.00	34.67 0.86 0.00	32.97 0.85 0.00	34.92 0.90 0.00	39.05 1.00 0.00	42.26 1.04 0.00	39.45 0.81 0.00	45.80 0.66 0.00	50.64 0.70 0.00	49.98 0.91 0.00	44.16 0.70 0.12	51.17 0.82 0.00	44.31 1.06 0.00	49.87 1.20 0.00	49.27 1.33 0.00	52.98 1.34 0.00	80.98 1.48 0.00	77.07 1.34 0.00	84.87 1.13 0.00	60.08 0.87 0.00	52.97 0.77 0.00	46.76 0.66 0.00
BETHLEHEM___GS3 323562	42.90 0.94 0.00	37.45 0.94 0.00	36.40 0.92 0.00	34.67 0.86 0.00	32.97 0.85 0.00	34.92 0.90 0.00	39.05 1.00 0.00	42.26 1.04 0.00	39.45 0.81 0.00	45.80 0.66 0.00	50.64 0.70 0.00	49.98 0.91 0.00	44.16 0.70 0.12	51.17 0.82 0.00	44.31 1.06 0.00	49.87 1.20 0.00	49.27 1.33 0.00	52.98 1.34 0.00	80.98 1.48 0.00	77.07 1.34 0.00	84.87 1.13 0.00	60.08 0.87 0.00	52.97 0.77 0.00	46.76 0.66 0.00
BETHLEHEM___STEEL 23779	22.94 -2.32 16.71	34.14 -2.33 0.04	33.55 -1.93 0.00	31.70 -2.12 0.00	29.74 -2.36 0.02	24.04 -2.32 7.66	16.69 -2.25 19.11	21.50 -1.59 18.13	25.22 -1.23 12.18	43.20 -1.30 0.65	29.31 -1.04 19.59	26.47 -1.60 21.00	21.53 -2.00 20.05	27.01 -2.12 21.22	21.82 -1.57 19.86	26.00 -1.87 20.79	24.28 -2.30 21.36	28.08 -2.01 21.55	47.22 -3.16 29.12	48.91 -2.59 24.24	61.75 -2.51 19.47	32.07 -2.89 24.25	26.97 -2.72 22.51	21.90 -2.60 21.60
BETHLHEM_115KV_TB1 79974	43.00 1.03 0.00	37.52 1.01 0.00	36.46 0.98 0.00	34.73 0.91 0.00	33.03 0.91 0.00	34.98 0.96 0.00	39.13 1.08 0.00	42.35 1.13 0.00	39.55 0.92 0.00	45.92 0.78 0.00	50.78 0.85 0.00	50.12 1.06 0.00	44.30 0.84 0.12	51.30 0.96 0.00	44.42 1.16 0.00	49.96 1.30 0.00	49.37 1.43 0.00	53.09 1.46 0.00	81.16 1.66 0.00	77.26 1.52 0.00	85.09 1.36 0.00	60.23 1.02 0.00	53.10 0.90 0.00	46.85 0.75 0.00
BETHPAGE_CC_5 323564	45.77 3.71 -0.10	39.51 3.00 0.00	38.22 2.74 0.00	36.29 2.47 0.00	34.62 2.50 -0.01	36.69 2.61 -0.06	41.47 3.42 0.00	45.20 3.98 0.00	42.40 3.77 0.00	49.31 4.17 0.00	55.97 5.58 -0.45	58.83 6.13 -3.63	83.68 5.50 -34.61	61.64 5.79 -5.51	81.52 5.46 -32.80	96.80 6.38 -41.76	126.14 6.44 -71.77	149.71 7.17 -90.91	122.52 9.84 -33.18	94.94 9.07 -10.13	96.85 9.39 -3.73	65.09 5.88 0.00	56.97 4.77 0.00	50.50 4.08 -0.33
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	23.48 -2.23 16.25	34.21 -2.26 0.04	33.60 -1.88 0.00	31.75 -2.07 0.00	29.79 -2.31 0.02	24.30 -2.26 7.46	17.25 -2.20 18.60	22.07 -1.51 17.64	25.64 -1.14 11.85	43.29 -1.23 0.63	29.95 -0.93 19.06	27.16 -1.48 20.43	22.18 -1.88 19.51	27.69 -2.01 20.64	22.45 -1.43 19.38	26.74 -1.69 20.23	24.98 -2.13 20.82	28.78 -1.82 21.03	48.25 -2.83 28.42	49.82 -2.26 23.65	62.52 -2.22 19.00	32.85 -2.69 23.67	27.67 -2.55 21.97	22.46 -2.51 21.12

BINGHAMTON___COGEN 23790	42.14 0.18 0.00	36.67 0.16 0.00	35.68 0.20 0.00	33.94 0.12 0.00	32.19 0.03 -0.05	34.65 0.12 -0.51	38.41 0.36 0.00	41.76 0.53 0.00	39.50 0.68 -0.19	46.89 0.68 -1.07	52.07 0.78 -1.35	51.17 0.81 -1.30	45.39 0.72 -1.09	52.65 0.90 -1.41	47.97 0.95 -3.77	51.35 1.33 -1.35	50.16 0.95 -1.27	54.39 1.22 -1.54	85.00 1.83 -3.67	81.55 2.16 -3.66	90.19 2.23 -4.23	62.31 0.94 -2.16	54.28 0.52 -1.56	49.22 0.23 -2.89
BIXINCNT_115KV_LOAD 355685	25.32 -2.32 14.33	34.44 -2.04 0.04	33.78 -1.70 0.00	31.90 -1.92 0.00	29.71 -2.39 0.02	25.06 -2.35 6.61	18.76 -2.90 16.39	24.10 -1.58 15.54	27.08 -1.11 10.44	43.00 -1.59 0.55	31.81 -1.34 16.78	29.45 -1.63 17.99	23.99 -2.50 17.09	29.35 -2.81 18.18	24.61 -1.34 17.31	29.33 -1.52 17.81	27.19 -2.13 18.61	30.61 -2.13 18.89	51.17 -2.79 25.54	52.73 -1.74 21.27	64.68 -1.97 17.09	35.08 -2.85 21.28	30.34 -2.09 19.76	23.87 -3.03 19.19
BLACK RIVER___HYD 24047	40.99 -0.97 0.00	34.92 -1.59 0.01	34.00 -1.48 0.00	32.34 -1.48 0.00	30.78 -1.34 0.00	16.43 -1.66 15.93	2.86 -1.63 33.55	22.91 -1.52 16.80	10.84 -1.46 26.34	45.46 -1.28 -1.60	50.53 -1.43 -2.03	31.20 -3.04 14.83	4.13 -2.83 36.62	7.30 -3.34 39.70	3.91 -2.85 36.49	6.46 -3.28 38.92	6.24 -2.88 38.82	8.40 -2.57 40.67	30.87 -2.69 45.95	77.69 0.52 -1.43	91.25 1.39 -6.12	49.34 -0.51 9.36	45.00 -0.24 6.95	35.51 -0.99 9.60
BLACKRVR_115KV_TB2 79977	40.99 -0.97 0.00	34.92 -1.59 0.01	34.00 -1.48 0.00	32.34 -1.48 0.00	30.78 -1.34 0.00	16.43 -1.66 15.93	2.86 -1.64 33.55	22.91 -1.52 16.80	10.83 -1.46 26.34	45.46 -1.28 -1.60	50.53 -1.44 -2.03	31.20 -3.04 14.83	4.13 -2.83 36.62	7.30 -3.34 39.70	3.91 -2.85 36.49	6.47 -3.28 38.92	6.24 -2.88 38.82	8.40 -2.57 40.67	30.87 -2.69 45.95	77.69 0.51 -1.43	91.23 1.38 -6.12	49.34 -0.51 9.36	45.00 -0.25 6.95	35.51 -0.99 9.60
BLISS_WT_PWR 323608	25.25 -2.38 14.33	34.42 -2.06 0.04	33.75 -1.73 0.00	31.85 -1.96 0.00	29.57 -2.53 0.02	24.93 -2.48 6.61	18.53 -3.13 16.39	23.97 -1.71 15.54	26.99 -1.21 10.44	42.76 -1.83 0.55	31.63 -1.53 16.78	29.32 -1.77 17.99	23.67 -2.82 17.09	29.03 -3.13 18.18	24.41 -1.54 17.31	29.12 -1.73 17.81	27.07 -2.26 18.61	30.43 -2.31 18.89	51.03 -2.94 25.54	52.57 -1.90 21.27	64.47 -2.17 17.09	34.88 -3.05 21.28	30.42 -2.02 19.76	23.60 -3.30 19.19
BLUESTONE___WT_PWR 323821	42.28 0.31 0.00	36.82 0.31 0.00	35.63 0.15 0.00	34.07 0.26 0.00	32.84 0.70 -0.02	35.04 0.81 -0.21	38.84 0.79 0.00	42.42 1.19 0.00	40.35 1.59 -0.13	47.75 1.88 -0.73	52.66 1.80 -0.92	51.62 1.67 -0.88	45.06 0.98 -0.49	50.66 1.16 0.85	36.31 0.88 7.83	38.60 1.33 11.39	30.09 1.49 19.34	42.66 2.21 11.18	83.80 3.90 -0.40	82.89 4.59 -2.56	90.74 4.04 -2.96	62.55 1.82 -1.52	54.30 1.00 -1.09	47.90 0.56 -1.24
BLUE_CIRC_CHEM_DRP 24182	43.36 1.39 0.00	37.84 1.34 0.00	36.79 1.31 0.00	35.04 1.23 0.00	33.32 1.20 0.00	35.30 1.28 0.00	39.47 1.42 0.00	42.58 1.36 0.00	39.71 1.08 0.00	46.08 0.94 0.00	50.94 1.01 0.00	50.08 1.02 0.00	43.69 0.21 0.10	50.50 0.16 0.00	43.78 0.52 0.00	49.21 0.55 0.00	48.63 0.69 0.00	45.98 0.52 6.18	80.03 0.53 0.00	76.37 0.63 0.00	84.19 4.04 0.00	59.60 0.39 0.00	52.60 0.40 0.00	46.66 0.57 0.00
BOC_GAS_DRP 24189	43.12 1.16 0.00	37.62 1.11 0.00	36.57 1.09 0.00	34.83 1.02 0.00	33.12 1.00 0.00	35.07 1.05 0.00	39.26 1.21 0.00	42.50 1.28 0.00	39.78 1.15 0.00	46.23 1.09 0.00	51.17 1.23 0.00	50.47 1.40 0.00	44.59 1.13 0.11	51.60 1.26 0.00	44.59 1.34 0.00	50.20 1.54 0.00	49.52 1.58 0.00	53.68 1.66 -0.39	81.43 1.93 0.00	77.54 1.81 0.00	85.43 1.70 0.00	60.47 1.26 0.00	53.34 1.14 0.00	47.05 0.95 0.00
BOONVILLE_115KV_TB1 79983	42.53 0.57 0.00	36.50 -0.02 -0.01	35.47 -0.01 -0.02	33.79 -0.02 0.00	32.13 0.02 0.00	48.91 -0.08 -14.96	69.61 0.06 -31.50	57.09 0.10 -15.77	63.91 0.15 -25.12	46.20 0.38 -0.68	51.26 0.47 -0.86	65.09 -0.50 -16.52	79.12 -0.70 -36.24	89.81 -0.62 -40.09	78.71 -0.65 -36.10	87.39 -0.52 -39.24	86.70 -0.23 -39.00	92.97 0.08 -41.25	131.04 0.94 -50.60	84.22 2.47 -6.00	89.51 3.20 -2.58	74.03 1.29 -13.54	63.19 1.04 -9.95	56.37 0.57 -9.70
BORALEX_4TH_BRANCH 23824	44.05 2.09 0.00	38.31 1.80 0.00	37.24 1.76 0.00	35.49 1.68 0.00	33.77 1.66 0.00	35.79 1.77 0.00	40.07 2.02 0.00	43.40 2.18 0.00	40.43 1.80 0.00	46.73 1.59 0.00	51.59 1.65 0.00	51.01 1.94 0.00	45.04 1.59 0.13	52.24 1.90 0.00	45.35 2.10 0.00	51.11 2.45 0.00	50.60 2.65 0.00	54.39 2.76 0.00	83.10 3.60 0.00	79.12 3.38 0.00	87.36 3.62 0.00	62.08 2.87 0.00	54.74 2.54 0.00	48.21 2.11 0.00
BOWLINE___1 23526	44.44 2.48 0.00	38.63 2.12 0.00	37.49 2.01 0.00	35.64 1.83 0.00	33.90 1.78 -0.01	35.95 1.87 -0.06	40.51 2.46 0.00	44.16 2.94 0.00	41.67 3.04 0.00	48.42 3.28 0.00	54.03 4.10 0.00	53.86 4.68 -0.11	52.63 4.28 -4.77	63.30 4.67 -8.28	91.43 4.28 -43.90	109.32 5.00 -55.65	144.17 4.94 -91.29	112.44 5.49 -55.31	96.49 7.20 -9.78	82.34 6.60 0.00	90.48 6.75 0.00	63.60 4.39 0.00	55.87 3.67 0.00	49.42 2.98 -0.34
BOWLINE___2 23595	44.50 2.53 0.00	38.65 2.14 0.00	37.50 2.02 0.00	35.66 1.84 0.00	33.92 1.79 -0.01	35.96 1.88 -0.06	40.53 2.49 0.00	44.21 2.99 0.00	41.70 3.07 0.00	48.50 3.36 0.00	54.12 4.19 0.00	53.93 4.75 -0.11	52.70 4.35 -4.77	63.35 4.76 -8.24	91.31 4.36 -43.70	109.16 5.10 -55.39	143.83 5.02 -90.87	112.28 5.58 -55.06	96.59 7.35 -9.74	82.47 6.74 0.00	90.64 6.91 0.00	63.69 4.48 0.00	55.95 3.75 0.00	49.50 3.06 -0.34
BRADY___115KV_TB2 356060	41.11 -0.85 0.00	35.69 -0.82 0.00	34.65 -0.83 0.00	33.15 -0.66 0.00	31.51 -0.61 0.00	28.04 -0.75 5.23	26.01 -1.03 11.00	34.67 -1.04 5.51	28.81 -1.10 8.73	43.91 -1.23 0.00	48.16 -1.77 0.00	41.38 -2.20 5.49	29.26 -1.86 12.45	34.61 -2.04 13.70	28.90 -1.94 12.41	32.81 -2.44 13.41	32.26 -2.33 13.35	35.08 -2.48 14.08	59.51 -3.19 16.81	71.95 -2.55 1.24	81.92 -1.81 0.00	53.97 -1.21 4.03	48.15 -1.08 2.97	42.05 -0.87 3.17
BRANSCOMB___SOLAR 323811	44.13 2.16 0.00	38.32 1.81 0.00	37.25 1.77 0.00	35.50 1.69 0.00	33.72 1.60 0.00	35.88 1.86 0.00	40.18 2.12 0.00	43.35 2.12 0.00	40.33 1.70 0.00	46.87 1.73 0.00	52.02 2.08 0.00	51.36 2.29 0.00	45.25 1.79 0.11	52.49 2.14 0.00	45.48 2.22 0.00	51.33 2.67 0.00	50.66 2.72 0.00	54.63 2.99 0.00	84.13 4.63 0.00	80.32 4.58 0.00	88.70 4.96 0.00	62.72 3.51 0.00	55.18 2.98 0.00	48.55 2.46 0.00
BRDGHMPT_69_KV_BK1 55812	46.04 3.98 -0.10	39.38 2.87 0.00	38.05 2.57 0.00	36.10 2.29 0.00	34.60 2.47 -0.01	36.56 2.48 -0.06	41.44 3.40 0.00	45.05 3.83 0.00	41.89 3.26 0.00	48.36 3.22 0.00	54.91 4.52 -0.45	57.81 5.10 -3.63	82.96 4.78 -34.61	60.20 5.05 -4.80	72.47 4.83 -24.39	82.31 5.45 -28.19	94.07 5.72 -40.41	102.89 6.52 -44.73	86.10 9.08 2.48	88.07 8.58 -3.75	92.03 8.68 0.39	63.17 5.13 1.17	56.13 3.93 0.00	49.75 3.33 -0.33

BRENTWOD_69_KV_W. BRTWOOD 56703	46.14 4.08 -0.10	39.80 3.30 0.00	38.49 3.01 0.00	36.52 2.71 0.00	34.87 2.75 -0.01	36.96 2.87 -0.06	41.84 3.79 0.00	45.52 4.30 0.00	42.54 3.90 0.00	49.36 4.21 0.00	56.00 5.62 -0.45	58.82 6.11 -3.63	83.81 5.63 -34.61	61.11 5.93 -4.83	73.67 5.40 -25.01	83.81 6.05 -29.10	96.46 6.10 -42.41	107.30 6.85 -48.81	89.74 9.53 -0.71	89.59 9.10 -4.74	93.23 9.25 -0.25	63.97 5.76 0.99	56.97 4.77 0.00	50.55 4.13 -0.33
BRISTLHL_115KV_TB1 79998	41.04 -0.92 0.00	35.66 -0.85 0.00	34.66 -0.82 0.00	32.98 -0.84 0.00	31.31 -0.80 0.00	32.38 -0.82 0.81	35.56 -0.89 1.60	39.46 -0.96 0.80	37.45 -0.87 0.31	49.37 -1.04 -5.26	55.45 -1.14 -6.65	53.27 -1.27 -5.47	45.12 -1.12 -2.67	53.78 -1.36 -4.79	44.54 -1.03 -2.32	52.10 -1.13 -4.57	50.99 -1.15 -4.20	55.97 -1.03 -5.36	93.27 -1.46 -15.23	92.20 -0.96 -17.43	103.06 -1.03 -20.36	67.98 -1.07 -9.84	58.13 -1.14 -7.08	44.96 -1.13 0.01
BROOKHAVEN___DRP 24191	46.27 4.21 -0.10	39.68 3.17 0.00	38.36 2.88 0.00	36.39 2.58 0.00	34.84 2.72 -0.01	36.83 2.75 -0.06	41.70 3.65 0.00	45.34 4.12 0.00	42.18 3.55 0.00	48.76 3.61 0.00	55.34 4.95 -0.45	58.18 5.48 -3.63	83.28 5.10 -34.61	60.51 5.37 -4.80	72.62 5.05 -24.32	82.40 5.66 -28.07	93.89 5.82 -40.14	102.59 6.56 -44.40	85.88 9.12 2.74	88.12 8.65 -3.73	92.10 8.76 0.40	63.37 5.34 1.18	56.45 4.25 0.00	50.10 3.68 -0.33
BROOKLYN_NAVY_YARD 23515	44.74 2.78 0.00	38.78 2.27 0.00	37.64 2.16 0.00	35.81 1.99 0.00	34.09 1.97 -0.01	36.08 2.00 -0.06	40.76 2.71 0.00	44.53 3.31 0.00	42.00 3.36 0.00	48.99 3.85 0.00	54.80 4.86 0.00	54.65 5.51 -0.08	53.81 5.06 -5.17	61.46 5.59 -5.52	77.52 4.87 -29.39	91.45 5.66 -37.13	103.33 5.43 -49.96	94.58 6.05 -36.89	107.20 8.12 -19.58	92.10 7.32 -9.04	96.85 7.53 -5.59	64.32 5.11 0.00	56.61 4.41 0.00	50.01 3.58 -0.33
BROOKLYN___ARMY_DRP 323595	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
BROOME_2_LFGE 323671	42.14 0.18 0.00	36.67 0.16 0.00	35.69 0.21 0.00	33.94 0.12 0.00	32.19 0.02 -0.05	34.64 0.11 -0.51	38.41 0.36 0.00	41.76 0.53 0.00	39.49 0.66 -0.19	46.88 0.67 -1.07	52.05 0.76 -1.35	51.16 0.79 -1.30	45.39 0.72 -1.09	52.64 0.88 -1.41	47.96 0.94 -3.77	51.33 1.32 -1.35	50.13 0.92 -1.27	54.38 1.21 -1.54	84.98 1.81 -3.67	81.55 2.15 -3.66	90.19 2.23 -4.23	62.30 0.93 -2.16	54.26 0.51 -1.56	49.20 0.22 -2.89
BROOME___LFGE 323600	42.14 0.18 0.00	36.67 0.16 0.00	35.69 0.21 0.00	33.94 0.12 0.00	32.19 0.02 -0.05	34.64 0.11 -0.51	38.41 0.36 0.00	41.76 0.53 0.00	39.49 0.66 -0.19	46.88 0.67 -1.07	52.05 0.76 -1.35	51.16 0.79 -1.30	45.39 0.72 -1.09	52.64 0.88 -1.41	47.96 0.94 -3.77	51.33 1.32 -1.35	50.13 0.92 -1.27	54.38 1.21 -1.54	84.98 1.81 -3.67	81.55 2.15 -3.66	90.19 2.23 -4.23	62.30 0.93 -2.16	54.26 0.51 -1.56	49.20 0.22 -2.89
BROWNFLS_115KV_TB_3_5 80003	40.24 -1.73 0.00	34.48 -2.02 0.01	33.51 -1.97 0.00	32.01 -1.81 0.00	30.46 -1.66 0.00	15.54 -2.01 16.46	1.02 -2.35 34.67	21.35 -2.51 17.36	8.85 -2.40 27.39	43.37 -2.48 -0.71	47.95 -2.89 -0.90	28.79 -3.83 16.45	1.39 -3.54 38.65	4.13 -3.97 42.24	1.20 -3.55 38.51	3.26 -4.02 41.38	3.01 -3.70 41.22	4.55 -3.73 43.35	24.15 -4.83 50.52	71.46 -2.65 1.62	84.17 -2.15 -2.58	45.76 -2.28 11.17	42.00 -1.94 8.25	34.52 -1.85 9.73
BROWNSV1_27_KV_LOAD 356125	45.29 3.33 0.00	39.24 2.72 0.00	38.07 2.58 0.00	36.18 2.36 0.00	34.44 2.31 -0.01	36.51 2.42 -0.06	41.25 3.20 0.00	45.08 3.86 0.00	42.45 3.82 0.00	49.52 4.38 0.00	55.42 5.48 0.00	55.26 6.11 -0.08	54.33 5.59 -5.17	62.07 6.20 -5.52	78.09 5.44 -29.39	92.11 6.31 -37.13	114.97 6.12 -60.91	95.34 6.80 -36.91	108.17 9.09 -19.58	93.06 8.28 -9.04	97.91 8.59 -5.59	65.04 5.83 0.00	57.20 5.00 0.00	50.52 4.09 -0.33
BURROWS___LYONSDAL 23803	42.14 0.17 0.00	36.04 -0.47 0.00	35.03 -0.45 0.00	33.40 -0.42 0.00	31.76 -0.36 0.00	33.51 -0.51 0.00	37.63 -0.42 0.00	40.79 -0.44 0.00	38.43 -0.34 -0.14	45.77 -0.12 -0.75	50.83 -0.05 -0.95	48.82 -1.14 -0.89	42.90 -1.31 -0.63	50.00 -1.31 -0.96	42.63 -1.25 -0.63	48.38 -1.21 -0.93	47.93 -0.88 -0.87	52.08 -0.61 -1.05	81.91 -0.10 -2.51	79.96 1.77 -2.45	89.10 2.53 -2.84	61.33 0.66 -1.45	53.77 0.53 -1.05	46.33 0.13 -0.11
CAITHNESS_CC_1 323624	46.18 4.11 -0.10	39.67 3.15 0.00	38.35 2.87 0.00	36.39 2.58 0.00	34.81 2.69 -0.01	36.83 2.75 -0.06	41.68 3.63 0.00	45.32 4.09 0.00	42.20 3.57 0.00	48.82 3.68 0.00	55.40 5.02 -0.45	58.24 5.53 -3.63	83.34 5.16 -34.61	60.55 5.42 -4.79	72.59 5.09 -24.25	82.35 5.73 -27.96	93.64 5.84 -39.87	102.26 6.56 -44.06	85.60 9.10 3.00	88.08 8.63 -3.71	92.05 8.73 0.42	63.34 5.31 1.19	56.42 4.23 0.00	50.13 3.71 -0.33
CALPINE BETH_PAGE_GT4 24209	45.74 3.67 -0.10	39.46 2.95 0.00	38.18 2.70 0.00	36.25 2.44 0.00	34.58 2.46 -0.01	36.66 2.58 -0.06	41.45 3.40 0.00	45.16 3.93 0.00	42.37 3.74 0.00	49.29 4.15 0.00	55.95 5.57 -0.45	58.83 6.12 -3.63	83.63 5.45 -34.61	61.53 5.67 -5.51	83.42 5.36 -34.80	99.29 6.29 -44.33	131.50 6.37 -77.19	164.36 7.16 -105.57	134.01 9.74 -44.76	99.45 9.00 -14.71	99.71 9.29 -6.69	65.92 5.86 -0.84	56.98 4.78 0.00	50.51 4.08 -0.33
CALPINE_BETH_PAGE_GT_4 323586	45.73 3.67 -0.10	39.46 2.95 0.00	38.19 2.70 0.00	36.25 2.44 0.00	34.59 2.46 -0.01	36.66 2.58 -0.06	41.43 3.38 0.00	45.15 3.93 0.00	42.37 3.74 0.00	49.29 4.15 0.00	55.94 5.56 -0.45	58.81 6.10 -3.63	83.64 5.45 -34.61	61.52 5.67 -5.51	83.43 5.37 -34.80	99.29 6.30 -44.33	131.51 6.38 -77.19	164.34 7.14 -105.57	134.01 9.74 -44.76	99.43 8.99 -14.71	99.71 9.29 -6.69	65.88 5.83 -0.84	56.96 4.76 0.00	50.50 4.08 -0.33
CALPINE_BP_GT1 23823	45.73 3.67 -0.10	39.46 2.95 0.00	38.19 2.70 0.00	36.25 2.44 0.00	34.59 2.46 -0.01	36.66 2.58 -0.06	41.43 3.38 0.00	45.15 3.93 0.00	42.37 3.74 0.00	49.29 4.15 0.00	55.94 5.56 -0.45	58.81 6.10 -3.63	83.64 5.45 -34.61	61.52 5.67 -5.51	83.43 5.37 -34.80	99.29 6.30 -44.33	131.51 6.38 -77.19	164.34 7.14 -105.57	134.01 9.74 -44.76	99.43 8.99 -14.71	99.71 9.29 -6.69	65.88 5.83 -0.84	56.96 4.76 0.00	50.50 4.08 -0.33
CALSPAN___DRP 24200	22.94 -2.32 16.71	34.14 -2.33 0.04	33.55 -1.93 0.00	31.70 -2.12 0.00	29.74 -2.36 0.02	24.04 -2.32 7.66	16.69 -2.25 19.11	21.50 -1.59 18.13	25.22 -1.23 12.18	43.20 -1.30 0.65	29.31 -1.04 19.59	26.47 -1.60 21.00	21.53 -2.00 20.05	27.01 -2.12 21.22	21.82 -1.57 19.86	26.00 -1.87 20.79	24.28 -2.30 21.36	28.08 -2.01 21.55	47.22 -3.16 29.12	48.91 -2.59 24.24	61.75 -2.51 19.47	32.07 -2.89 24.25	26.97 -2.72 22.51	21.90 -2.60 21.60

CALVERTON___SOLAR 323806	46.32 4.26 -0.10	39.68 3.17 0.00	38.36 2.87 0.00	36.39 2.58 0.00	34.86 2.73 -0.01	36.83 2.75 -0.06	41.68 3.63 0.00	45.34 4.12 0.00	42.14 3.51 0.00	48.68 3.54 0.00	55.23 4.85 -0.45	58.08 5.38 -3.63	83.23 5.05 -34.61	60.44 5.29 -4.80	72.61 5.02 -24.34	82.41 5.63 -28.11	93.99 5.81 -40.24	102.71 6.56 -44.52	86.03 9.17 2.64	88.17 8.70 -3.74	92.13 8.79 0.40	63.36 5.33 1.18	56.39 4.20 0.00	50.06 3.64 -0.33
CANDIGU_WT_PWR 323617	-29.67 -2.07 69.56	34.71 -1.63 0.17	34.50 -0.98 0.00	32.78 -1.04 0.00	30.56 -1.52 0.04	0.91 -1.94 31.17	-43.03 -1.42 79.66	-35.43 -1.11 75.55	-12.63 -0.73 50.54	42.07 -1.07 2.01	-32.38 -1.79 80.53	-39.52 -2.10 86.49	-41.20 -1.96 82.81	-39.53 -2.37 87.51	-37.07 -1.66 78.67	-38.13 -1.05 85.74	-42.09 -1.61 88.42	-39.27 -1.75 89.15	-42.59 -2.63 119.47	-24.89 -1.69 98.94	3.19 -1.91 78.64	-43.00 -2.21 100.00	-43.00 -1.89 93.31	-42.70 -2.15 86.64
CARR STREET_E_SYR 24060	41.75 -0.21 0.00	36.27 -0.24 0.00	35.25 -0.23 0.00	33.53 -0.28 0.00	31.81 -0.30 0.01	33.68 -0.28 0.06	37.81 -0.23 0.00	41.00 -0.22 0.00	38.76 -0.15 -0.28	46.46 -0.22 -1.53	51.69 -0.19 -1.94	50.56 -0.32 -1.82	44.59 -0.28 -1.30	51.94 -0.37 -1.97	44.00 -0.19 -0.94	50.44 -0.11 -1.89	49.56 -0.16 -1.78	53.84 0.05 -2.15	84.79 0.16 -5.12	81.34 0.50 -5.10	90.14 0.51 -5.90	62.17 -0.05 -3.02	54.12 -0.26 -2.17	45.60 -0.38 0.12
CARTHAGE___PAPER 23857	40.95 -1.01 0.00	34.86 -1.64 0.01	33.93 -1.56 0.00	32.32 -1.49 0.00	30.77 -1.35 0.00	13.67 -1.65 18.69	-3.01 -1.69 39.37	19.84 -1.68 19.71	6.04 -1.60 30.99	45.07 -1.45 -1.38	50.08 -1.60 -1.74	28.02 -3.05 17.99	-2.74 -2.93 43.39	-0.22 -3.34 47.22	-2.90 -2.92 43.23	-0.91 -3.30 46.27	-1.08 -2.89 46.13	0.55 -2.67 48.41	20.96 -2.97 55.58	75.68 -2.97 -0.02	89.80 0.81 -5.26	46.44 -0.79 11.97	42.81 -0.52 8.87	33.70 -1.06 11.34
CASSADAGA_WT_PWR 323784	24.96 -1.71 15.29	34.84 -1.63 0.04	34.15 -1.33 0.00	31.62 -2.19 0.00	29.25 -2.85 0.02	24.20 -2.79 7.03	18.74 -1.81 17.49	23.29 -1.34 16.59	26.50 -1.00 11.14	43.48 -1.08 0.59	31.18 -0.85 17.90	28.07 -1.81 19.19	23.58 -1.75 18.25	29.71 -1.23 19.40	24.07 -0.82 18.36	28.56 -1.10 19.01	26.43 -1.77 19.74	29.83 -1.81 20.00	49.20 -3.27 27.03	51.27 -1.96 22.51	63.93 -1.72 18.08	34.99 -1.70 22.52	28.52 -2.75 20.93	22.69 -3.19 20.22
CE_DUNWOOD___DRP 24194	44.76 2.79 0.00	38.84 2.33 0.00	37.68 2.20 0.00	35.83 2.01 0.00	34.09 1.97 -0.01	36.15 2.07 -0.06	40.78 2.73 0.00	44.49 3.26 0.00	41.92 3.29 0.00	48.79 3.64 0.00	54.52 4.58 0.00	54.32 5.17 -0.08	53.26 4.70 -4.98	61.27 5.18 -5.74	78.45 4.67 -30.52	92.68 5.45 -38.57	116.56 5.34 -63.28	95.90 5.92 -38.34	94.13 5.92 -6.78	82.88 7.84 0.00	91.09 7.36 0.00	64.07 4.87 0.00	56.32 4.12 0.00	49.79 3.37 -0.33
CE_MILLWOOD___DRP 24193	44.67 2.71 0.00	38.76 2.25 0.00	37.62 2.13 0.00	35.77 1.95 0.00	34.03 1.90 -0.01	36.09 2.00 -0.06	40.70 2.65 0.00	44.38 3.16 0.00	41.82 3.18 0.00	48.66 3.52 0.00	54.35 4.42 0.00	54.14 4.99 -0.08	52.93 4.55 -4.81	61.45 5.01 -6.09	80.16 4.53 -32.37	94.88 5.29 -40.93	120.28 5.20 -67.14	98.09 5.77 -40.68	94.33 7.63 -7.19	82.71 6.97 0.00	90.89 7.16 0.00	63.93 4.71 0.00	56.18 3.98 0.00	49.67 3.24 -0.33
CE_NYC2_DRP 24202	44.87 2.91 0.00	38.89 2.38 0.00	37.76 2.28 0.00	35.90 2.08 0.00	34.18 2.06 -0.01	36.17 2.09 -0.06	40.93 2.88 0.00	44.71 3.49 0.00	42.16 3.53 0.00	49.15 4.01 0.00	54.97 5.04 0.00	54.83 5.69 -0.08	53.97 5.22 -5.17	61.50 5.64 -5.52	77.50 4.87 -29.38	91.41 5.64 -37.11	114.24 5.43 -60.87	94.54 6.02 -36.88	88.40 8.04 -0.85	79.11 7.30 3.93	88.74 7.44 2.43	64.21 5.00 0.00	56.59 4.39 0.00	50.06 3.63 -0.33
CE_NYC_DRP 24195	44.95 2.99 0.00	38.93 2.42 0.00	37.78 2.30 0.00	35.92 2.10 0.00	34.19 2.07 -0.01	36.22 2.14 -0.06	40.96 2.91 0.00	44.74 3.52 0.00	42.19 3.55 0.00	49.22 4.08 0.00	55.08 5.14 0.00	54.93 5.78 -0.08	54.02 5.27 -5.17	61.71 5.84 -5.52	77.77 5.12 -29.40	91.74 5.95 -37.13	114.62 5.76 -60.92	94.93 6.39 -36.91	112.00 8.47 -24.03	95.34 7.67 -11.93	99.01 7.90 -7.38	64.56 5.35 0.00	56.78 4.59 0.00	50.15 3.72 -0.33
CHAFFEE___LFGE 323603	24.17 -2.23 15.57	34.21 -2.26 0.04	33.60 -1.89 0.00	31.74 -2.07 0.00	29.71 -2.39 0.02	24.55 -2.31 7.16	17.96 -2.27 17.82	22.77 -1.55 16.90	26.11 -1.16 11.35	43.16 -1.38 0.60	30.71 -0.97 18.25	28.00 -1.50 19.56	22.84 -2.05 18.68	28.41 -2.16 19.77	23.06 -1.55 18.64	27.47 -1.82 19.37	25.74 -2.18 20.02	29.72 -1.68 20.24	49.89 -2.26 27.35	51.12 -1.85 22.77	63.72 -1.72 18.29	34.10 -2.32 22.78	28.80 -2.25 21.15	23.41 -2.28 20.41
CHATEAUG_35_KV_LOAD 355732	40.73 -1.24 0.00	35.31 -1.20 0.00	34.14 -1.34 0.00	32.81 -1.00 0.00	31.24 -0.88 0.00	30.30 -1.01 2.70	31.00 -1.35 5.69	36.78 -1.59 2.85	32.50 -1.60 4.53	43.63 -1.51 0.00	47.91 -2.03 0.00	44.15 -2.07 2.85	35.25 -1.87 6.46	41.17 -2.06 7.11	34.82 -1.99 6.44	39.10 -2.61 6.96	38.49 -2.52 6.93	41.71 -2.62 7.30	67.57 -3.22 8.72	71.87 -3.23 0.64	80.56 -3.17 0.00	54.93 -2.20 2.08	48.84 -1.82 1.54	42.78 -1.68 1.64
CHATEAUG_WT_PWR 323614	40.79 -1.17 0.00	35.37 -1.14 0.00	34.20 -1.29 0.00	32.84 -0.97 0.00	31.25 -0.87 0.00	31.07 -0.96 1.99	32.55 -1.30 4.19	37.57 -1.56 2.10	33.86 -1.44 3.34	43.81 -1.33 0.00	48.10 -1.84 0.00	45.11 -1.85 2.10	37.13 -1.69 4.76	43.27 -1.84 5.24	36.73 -1.78 4.74	41.14 -2.40 5.13	40.47 -2.36 5.10	43.77 -2.48 5.38	69.94 -3.12 6.45	72.06 -3.18 0.50	80.47 -3.26 0.00	55.35 -2.25 1.61	49.24 -1.77 1.19	43.19 -1.64 1.27
CHAT_HIGH_FALL_HYD 323578	40.73 -1.24 0.00	35.31 -1.20 0.00	34.14 -1.34 0.00	32.81 -1.00 0.00	31.24 -0.88 0.00	30.30 -1.01 2.70	31.00 -1.35 5.69	36.78 -1.59 2.85	32.50 -1.60 4.53	43.63 -1.51 0.00	47.91 -2.03 0.00	44.15 -2.07 2.85	35.25 -1.87 6.46	41.17 -2.06 7.11	34.82 -1.99 6.44	39.10 -2.61 6.96	38.49 -2.52 6.93	41.71 -2.62 7.30	67.57 -3.22 8.72	71.87 -3.23 0.64	80.56 -3.17 0.00	54.93 -2.20 2.08	48.84 -1.82 1.54	42.78 -1.68 1.64
CHAUTAUQUA___LFGE 323629	24.05 -1.80 16.12	34.70 -1.77 0.04	34.06 -1.43 0.00	31.88 -1.94 0.00	29.68 -2.42 0.02	24.26 -2.36 7.40	17.84 -1.76 18.44	22.49 -1.24 17.49	26.01 -0.88 11.74	43.62 -0.90 0.62	30.44 -0.62 18.88	27.44 -1.40 20.23	22.64 -1.61 19.33	28.59 -1.30 20.46	23.17 -0.83 19.25	27.63 -0.99 20.04	25.60 -1.64 20.70	29.18 -1.53 20.93	48.67 -2.55 28.28	50.54 -1.65 23.55	63.39 -1.43 18.91	33.75 -1.90 23.56	27.82 -2.48 21.90	22.37 -2.66 21.07
CHERRYST_13_KV_LD 356241	45.08 3.12 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.21 0.00	34.29 2.17 -0.01	36.33 2.25 -0.06	41.10 3.06 0.00	44.93 3.70 0.00	42.38 3.74 0.00	49.47 4.33 0.00	55.37 5.43 0.00	55.22 6.08 -0.08	54.28 5.53 -5.17	62.00 6.13 -5.52	78.03 5.38 -29.40	92.03 6.24 -37.13	114.89 6.04 -60.92	95.24 6.69 -36.91	112.43 8.90 -24.03	95.71 8.04 -11.93	99.42 8.31 -7.38	64.81 5.60 0.00	56.99 4.79 0.00	50.33 3.91 -0.33

CHESTROR_138KV_BK263 355645	44.35 2.39 0.00	38.53 2.02 0.00	37.39 1.91 0.00	35.56 1.74 0.00	33.82 1.69 -0.01	35.88 1.79 -0.07	40.39 2.35 0.00	43.99 2.76 0.00	41.45 2.82 0.00	48.19 3.05 0.00	53.76 3.82 0.00	54.14 4.36 -0.70	63.01 3.96 -15.47	105.24 4.34 -50.56	313.50 4.00 -266.25	393.20 4.73 -339.80	610.07 4.68 -557.45	394.66 5.25 -337.77	146.13 6.88 -59.74	82.08 6.34 0.00	90.25 6.51 0.00	63.46 4.25 0.00	55.74 3.54 0.00	49.31 2.86 -0.36
CH_MIDHUDSON___DRP 24192	44.60 2.64 0.00	38.74 2.23 0.00	37.60 2.12 0.00	35.76 1.95 0.00	34.03 1.90 0.00	36.11 2.03 -0.06	40.66 2.61 0.00	44.27 3.05 0.00	41.66 3.02 0.00	48.42 3.28 0.00	53.99 4.05 0.00	53.66 4.56 -0.04	48.21 4.13 -0.50	57.51 4.62 -2.54	61.51 4.26 -14.00	71.19 5.05 -17.47	81.59 5.00 -28.66	74.48 5.48 -17.36	89.95 7.38 -3.07	82.56 6.82 0.00	90.82 7.08 0.00	63.87 4.66 0.00	56.11 3.92 0.00	49.54 3.13 -0.32
CH_MISC_IPPS 23765	44.93 2.97 0.00	39.04 2.53 0.00	37.87 2.39 0.00	36.01 2.20 0.00	34.26 2.13 -0.01	36.35 2.27 -0.06	40.92 2.87 0.00	44.60 3.38 0.00	42.00 3.37 0.00	48.86 3.72 0.00	54.50 4.56 0.00	54.26 5.14 -0.05	49.24 4.62 -1.05	59.30 5.17 -3.78	67.93 4.80 -19.87	79.30 5.68 -24.96	94.53 5.64 -40.95	82.64 6.18 -24.82	92.30 8.41 -4.39	83.52 7.79 0.00	91.82 8.09 0.00	64.51 5.31 0.00	56.62 4.42 0.00	49.98 3.55 -0.33
CH_RES_BVR_FALLS 23983	41.55 -0.42 0.00	36.10 -0.41 0.00	35.07 -0.41 0.00	33.48 -0.33 0.00	31.80 -0.32 0.00	33.66 -0.36 0.00	37.59 -0.46 0.00	40.74 -0.48 0.00	38.16 -0.47 0.00	44.73 -0.41 0.00	49.40 -0.54 0.00	48.45 -0.62 0.00	42.99 -0.59 0.00	49.69 -0.66 0.00	42.65 -0.60 0.00	47.89 -0.78 0.00	47.19 -0.75 0.00	50.91 -0.72 0.00	78.38 -0.95 0.17	74.66 -0.91 0.17	82.85 -0.88 0.00	57.98 -0.68 0.55	51.21 -0.58 0.40	45.15 -0.52 0.43
CH_RES_NIAGARA 23895	25.96 -3.13 12.87	33.33 -3.15 0.03	32.73 -2.75 0.00	30.96 -2.85 0.00	29.15 -2.95 0.02	25.21 -2.91 5.90	20.34 -2.96 14.75	24.83 -2.40 13.99	27.22 -2.06 9.35	42.38 -2.27 0.50	32.99 -1.95 15.00	30.41 -2.57 16.08	25.26 -2.91 15.41	30.79 -3.23 16.33	25.07 -2.66 15.52	29.23 -3.33 16.10	27.55 -3.73 16.66	31.28 -3.51 16.85	51.24 -5.47 22.79	49.36 -4.92 21.46	44.26 -5.00 34.49	35.00 -4.59 19.62	30.82 -3.96 17.42	25.82 -3.48 16.80
CH_RES_SYRACUSE 23985	42.01 0.05 0.00	36.49 -0.02 0.00	35.46 -0.02 0.00	33.75 -0.07 0.00	32.02 -0.09 0.01	33.88 -0.06 0.08	38.05 0.00 0.00	41.20 -0.03 0.00	39.20 0.04 -0.52	48.02 0.00 -2.87	53.58 0.01 -3.63	52.32 -0.15 -3.39	45.91 -0.09 -2.42	53.84 -0.17 -3.67	45.23 0.02 -1.95	52.30 0.12 -3.52	51.33 0.07 -3.32	55.96 0.32 -4.01	89.64 0.58 -9.55	86.26 1.00 -9.52	95.84 1.09 -11.01	65.20 0.35 -5.63	56.33 0.08 -4.06	45.96 -0.11 0.02
CLINTON_WT_PWR 323605	40.79 -1.17 0.00	35.37 -1.14 0.00	34.20 -1.29 0.00	32.84 -0.97 0.00	31.25 -0.87 0.00	31.07 -0.96 1.99	32.55 -1.30 4.19	37.57 -1.56 2.10	33.86 -1.44 3.34	43.81 -1.33 0.00	48.10 -1.84 0.00	45.11 -1.85 2.10	37.13 -1.69 4.76	43.27 -1.84 5.24	36.73 -1.78 4.74	41.14 -2.40 5.13	40.47 -2.36 5.10	43.77 -2.48 5.38	69.94 -3.12 6.45	72.06 -3.18 0.50	80.47 -3.26 0.00	55.35 -2.25 1.61	49.24 -1.77 1.19	43.19 -1.64 1.27
CLINTON___LFGE 323618	41.18 -0.79 0.00	35.68 -0.84 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.53 -0.59 0.00	31.28 -0.56 2.18	32.56 -0.91 4.59	37.78 -1.14 2.31	34.25 -0.63 3.75	44.74 -0.40 0.00	48.87 -1.07 0.00	45.74 -0.98 2.35	37.14 -1.10 5.34	43.44 -1.04 5.87	36.91 -1.03 5.31	41.22 -1.70 5.74	40.38 -1.85 5.72	43.44 -2.17 6.03	69.33 -2.96 7.21	72.35 -2.85 0.55	80.74 -2.99 0.00	55.54 -1.90 1.77	49.94 -0.95 1.31	43.87 -0.83 1.39
COBBLENY_34_KV_TB1 80064	24.08 -2.31 15.57	34.20 -2.27 0.04	33.60 -1.89 0.00	31.74 -2.07 0.00	29.74 -2.35 0.02	24.54 -2.32 7.16	17.84 -2.40 17.82	22.73 -1.60 16.90	26.08 -1.20 11.35	43.18 -1.36 0.60	30.61 -1.07 18.25	27.92 -1.59 19.56	22.81 -2.08 18.68	28.31 -2.26 19.77	23.10 -1.51 18.64	27.53 -1.76 19.37	25.63 -2.29 20.02	29.60 -1.80 20.24	49.73 -2.43 27.35	51.08 -1.89 22.77	63.61 -1.83 18.29	33.99 -2.44 22.78	28.66 -2.39 21.15	23.35 -2.33 20.41
COFFEEN___115KV_TB3 355620	41.14 -0.83 0.00	35.06 -1.45 0.01	34.13 -1.36 0.00	32.46 -1.36 0.00	30.89 -1.23 0.00	17.06 -1.52 15.44	4.06 -1.47 32.52	23.62 -1.32 16.28	11.86 -1.26 25.51	45.69 -1.09 -1.64	50.78 -1.23 -2.07	31.95 -2.85 14.27	5.52 -2.64 35.42	8.85 -3.12 38.37	5.29 -2.66 35.30	7.94 -3.11 37.61	7.72 -2.69 37.53	9.99 -2.35 39.29	32.95 -2.32 44.24	78.32 0.90 -1.69	91.83 1.83 -6.27	50.11 -0.20 8.90	45.58 0.00 6.61	36.02 -0.79 9.29
COLDSPRG_115KV_BK1 355956	26.93 -1.05 13.98	35.29 -1.19 0.04	34.52 -0.96 0.00	32.38 -1.44 0.00	30.25 -1.85 0.02	25.90 -1.66 6.46	21.07 -0.98 15.99	25.78 -0.28 15.17	28.42 -0.03 10.18	44.57 -0.03 0.54	33.92 0.35 16.37	31.33 -0.20 17.54	26.49 -0.43 16.67	32.56 -0.05 17.73	26.65 0.34 16.95	31.55 0.26 17.37	29.26 -0.45 18.23	32.80 -0.30 18.54	53.86 -0.59 25.05	55.20 0.33 20.87	67.64 0.67 16.77	37.83 -0.50 20.88	31.53 -1.27 19.40	25.58 -1.63 18.88
COLONIE_LFGE___ 323577	43.69 1.73 0.00	38.03 1.52 0.00	36.97 1.49 0.00	35.23 1.42 0.00	33.49 1.37 0.00	35.52 1.50 0.00	39.77 1.72 0.00	43.02 1.80 0.00	40.14 1.51 0.00	46.60 1.46 0.00	51.54 1.60 0.00	50.92 1.85 0.00	44.95 1.49 0.12	52.10 1.76 0.00	45.16 1.91 0.00	50.85 2.19 0.00	50.29 2.35 0.00	54.16 2.52 0.00	82.96 3.46 0.00	79.01 3.27 0.00	87.09 3.36 0.00	61.68 2.47 0.00	54.37 2.17 0.00	47.88 1.79 0.00
COOPERNY_115KV_TB1 80082	43.98 2.02 0.00	38.26 1.75 0.00	37.14 1.65 0.00	35.32 1.51 0.00	33.60 1.48 -0.01	35.68 1.56 -0.09	40.08 2.03 0.00	43.59 2.36 0.00	41.06 2.43 0.00	47.76 2.62 0.00	53.25 3.32 0.00	52.79 3.79 0.07	46.57 3.44 0.45	49.29 3.68 4.73	22.26 3.40 24.40	20.83 4.00 31.83	-0.31 3.97 52.22	24.44 4.45 31.64	79.65 5.74 5.60	81.05 5.32 0.00	89.16 5.42 0.00	62.78 3.57 0.00	55.17 2.97 0.00	48.95 2.37 -0.49
COPENHAGEN_WT_PWR 323753	40.72 -1.24 0.00	34.64 -1.87 0.01	33.75 -1.73 0.00	32.07 -1.74 0.00	30.54 -1.58 0.00	17.50 -1.95 14.58	5.33 -2.02 30.70	23.95 -1.90 15.37	12.75 -1.83 24.05	45.34 -1.51 -1.71	50.46 -1.64 -2.16	32.47 -3.32 13.28	7.09 -3.19 33.30	10.56 -3.77 36.01	6.88 -3.19 33.18	9.67 -3.69 35.30	9.43 -3.27 35.24	11.80 -2.97 36.86	35.06 -3.22 41.22	77.89 0.02 -2.13	91.02 0.74 -6.55	50.00 -1.13 8.08	45.51 -0.68 6.01	35.91 -1.44 8.75
CORNELL_____ 23752	47.59 0.68 -4.95	37.05 0.52 -0.01	36.01 0.52 0.00	34.27 0.46 0.00	32.49 0.40 0.02	36.49 0.49 -1.97	44.46 0.73 -5.69	48.26 1.14 -5.90	44.05 1.21 -4.21	47.96 1.21 -1.61	59.22 1.17 -8.11	57.68 0.66 -7.95	51.26 0.44 -7.24	59.04 0.55 -8.15	49.34 0.54 -5.55	57.48 0.87 -7.94	56.52 0.56 -8.01	61.06 0.98 -8.45	95.26 2.09 -13.67	91.06 2.96 -12.36	98.89 3.38 -11.78	71.25 1.81 -10.23	62.32 1.20 -8.92	52.00 0.75 -5.16

CORONA_69_KV_TB1 355595	45.61 3.54 -0.10	39.38 2.87 0.00	38.12 2.64 0.00	36.21 2.39 0.00	34.52 2.39 -0.01	36.59 2.51 -0.06	41.35 3.30 0.00	45.05 3.83 0.00	42.34 3.71 0.00	49.29 4.14 0.00	55.89 5.50 -0.45	58.75 6.04 -3.63	83.61 5.42 -34.61	61.76 5.91 -5.51	101.36 5.46 -52.65	122.26 6.39 -67.21	179.72 6.36 -125.42	294.77 7.02 -236.11	237.00 9.57 -147.92	139.99 8.79 -55.46	125.84 9.10 -33.01	73.43 5.85 -8.37	56.97 4.77 -0.01	50.46 4.03 -0.33
CORTLAND_115KV_TB3 80093	42.43 0.47 0.00	36.87 0.36 0.00	35.86 0.38 0.00	34.11 0.30 0.00	32.35 0.24 0.01	34.24 0.32 0.10	38.72 0.51 -0.16	43.81 0.69 -1.89	40.92 0.74 -1.55	47.54 0.77 -1.63	54.78 0.84 -4.01	51.74 0.56 -2.11	45.47 0.43 -1.46	53.00 0.58 -2.08	44.56 0.51 -0.79	51.42 0.76 -2.00	50.43 0.61 -1.88	54.84 0.94 -2.27	86.54 1.62 -5.41	83.31 2.19 -5.39	92.43 2.46 -6.23	63.63 1.23 -3.19	55.30 0.80 -2.30	46.25 0.47 0.31
COXSACKIE___GT 23611	44.89 2.93 0.00	39.03 2.52 0.00	37.89 2.41 0.00	36.07 2.25 0.00	34.28 2.17 0.00	36.38 2.36 0.00	40.81 2.77 0.00	44.21 2.99 0.00	40.96 2.33 0.00	47.07 1.93 0.00	51.92 1.98 0.00	51.24 2.17 0.00	45.31 1.73 0.00	52.47 2.13 0.00	46.44 3.19 0.00	52.61 3.95 0.00	52.02 4.08 0.00	47.49 3.72 7.86	85.04 5.54 0.00	81.64 5.90 0.00	90.23 6.50 0.00	63.59 4.38 0.00	55.73 3.53 0.00	48.98 2.88 0.00
CPV_VALLEY___CC1 323721	43.97 2.01 0.00	38.24 1.73 0.00	37.12 1.64 0.00	35.30 1.49 0.00	33.58 1.45 -0.01	35.62 1.53 -0.07	40.06 2.02 0.00	43.62 2.40 0.00	41.12 2.48 0.00	47.81 2.67 0.00	53.38 3.44 0.00	52.99 3.98 0.06	47.06 3.62 0.14	49.63 3.86 4.58	23.13 3.56 23.69	22.07 4.19 30.79	1.59 4.16 50.51	25.67 4.64 30.60	80.03 5.94 5.41	81.20 5.46 0.00	89.29 5.55 0.00	62.81 3.60 0.00	55.20 3.00 0.00	48.90 2.42 -0.39
CPV_VALLEY___CC2 323722	43.97 2.01 0.00	38.24 1.73 0.00	37.12 1.64 0.00	35.30 1.49 0.00	33.58 1.45 -0.01	35.62 1.53 -0.07	40.06 2.02 0.00	43.62 2.40 0.00	41.12 2.48 0.00	47.81 2.67 0.00	53.38 3.44 0.00	52.99 3.98 0.06	47.06 3.62 0.14	49.63 3.86 4.58	23.13 3.56 23.69	22.07 4.19 30.79	1.59 4.16 50.51	25.67 4.64 30.60	80.03 5.94 5.41	81.20 5.46 0.00	89.29 5.55 0.00	62.81 3.60 0.00	55.20 3.00 0.00	48.90 2.42 -0.39
CRESCENT___HYD 24018	43.69 1.73 0.00	38.03 1.52 0.00	36.97 1.49 0.00	35.23 1.42 0.00	33.49 1.37 0.00	35.52 1.50 0.00	39.77 1.72 0.00	43.02 1.80 0.00	40.14 1.51 0.00	46.60 1.46 0.00	51.54 1.60 0.00	50.92 1.85 0.00	44.95 1.49 0.12	52.10 1.76 0.00	45.16 1.91 0.00	50.85 2.19 0.00	50.29 2.35 0.00	54.16 2.52 0.00	82.96 3.46 0.00	79.01 3.27 0.00	87.09 3.36 0.00	61.68 2.47 0.00	54.37 2.17 0.00	47.88 1.79 0.00
CRICKET___VALLEY_CC1 323756	44.09 2.13 0.00	38.28 1.77 0.00	37.17 1.68 0.00	35.37 1.56 0.00	33.70 1.58 0.00	35.76 1.68 -0.06	40.26 2.21 0.00	43.86 2.64 0.00	41.22 2.59 0.00	47.84 2.69 0.00	53.28 3.34 0.00	52.98 3.88 -0.03	47.32 3.54 -0.20	56.30 3.94 -2.02	57.88 3.69 -10.94	66.64 4.40 -13.57	74.60 4.39 -22.27	70.01 4.89 -13.49	88.30 6.42 -2.39	81.65 5.91 0.00	89.74 6.00 0.00	63.08 3.87 0.00	55.44 3.25 0.00	49.02 2.62 -0.31
CRICKET___VALLEY_CC2 323757	44.09 2.13 0.00	38.28 1.77 0.00	37.17 1.68 0.00	35.37 1.56 0.00	33.70 1.58 0.00	35.76 1.68 -0.06	40.26 2.21 0.00	43.86 2.64 0.00	41.22 2.59 0.00	47.84 2.69 0.00	53.28 3.34 0.00	52.98 3.88 -0.03	47.32 3.54 -0.20	56.30 3.94 -2.02	57.88 3.69 -10.94	66.64 4.40 -13.57	74.60 4.39 -22.27	70.01 4.89 -13.49	88.30 6.42 -2.39	81.65 5.91 0.00	89.74 6.00 0.00	63.08 3.87 0.00	55.44 3.25 0.00	49.02 2.62 -0.31
CRICKET___VALLEY_CC3 323758	44.09 2.13 0.00	38.28 1.77 0.00	37.17 1.68 0.00	35.37 1.56 0.00	33.70 1.58 0.00	35.76 1.68 -0.06	40.26 2.21 0.00	43.86 2.64 0.00	41.22 2.59 0.00	47.84 2.69 0.00	53.28 3.34 0.00	52.98 3.88 -0.03	47.32 3.54 -0.20	56.30 3.94 -2.02	57.88 3.69 -10.94	66.64 4.40 -13.57	74.60 4.39 -22.27	70.01 4.89 -13.49	88.30 6.42 -2.39	81.65 5.91 0.00	89.74 6.00 0.00	63.08 3.87 0.00	55.44 3.25 0.00	49.02 2.62 -0.31
CRUCIBLE_METL_DRP 24180	42.00 0.04 0.00	36.49 -0.02 0.00	35.46 -0.02 0.00	33.75 -0.07 0.00	32.02 -0.09 0.01	33.89 -0.05 0.08	38.05 0.00 0.00	41.20 -0.03 0.00	39.20 0.04 -0.52	48.02 0.00 -2.87	53.59 0.02 -3.63	52.32 -0.15 -3.39	45.91 -0.08 -2.42	53.84 -0.17 -3.67	45.23 0.02 -1.95	52.31 0.13 -3.52	51.33 0.07 -3.32	55.96 0.31 -4.01	89.62 0.56 -9.55	86.26 1.00 -9.52	95.84 1.09 -11.01	65.20 0.35 -5.63	56.33 0.08 -4.06	45.96 -0.12 0.02
DAHOWA___HYDRO 323763	44.24 2.28 0.00	38.40 1.89 0.00	37.33 1.85 0.00	35.58 1.77 0.00	33.79 1.67 0.00	35.99 1.97 0.00	40.32 2.28 0.00	43.50 2.28 0.00	40.45 1.81 0.00	46.99 1.85 0.00	52.19 2.26 0.00	51.55 2.49 0.00	45.40 1.93 0.11	52.64 2.30 0.00	45.59 2.34 0.00	51.58 2.91 0.00	50.87 2.94 0.00	54.86 3.23 0.00	84.61 5.11 0.00	80.77 5.03 0.00	89.26 5.52 0.00	63.09 3.88 0.00	55.47 3.28 0.00	48.79 2.70 0.00
DANC___LFGE 323619	40.95 -1.01 0.00	35.14 -1.37 0.00	34.20 -1.29 0.00	32.52 -1.29 0.00	30.92 -1.20 0.00	22.78 -1.42 9.82	15.91 -1.46 20.68	29.47 -1.40 10.35	21.27 -1.33 16.03	46.03 -1.20 -2.09	51.26 -1.32 -2.64	38.84 -2.39 7.83	19.68 -2.26 21.64	24.59 -2.70 23.05	19.46 -2.23 21.57	23.49 -2.55 22.63	22.98 -2.31 22.65	26.00 -2.12 23.52	52.51 -2.37 24.62	80.05 -0.26 -4.57	91.86 0.09 -8.03	54.55 -1.07 3.58	48.75 -0.75 2.71	39.12 -1.22 5.75
DANSKAMMER___1 23586	44.93 2.97 0.00	39.04 2.53 0.00	37.87 2.39 0.00	36.01 2.20 0.00	34.26 2.13 -0.01	36.35 2.27 -0.06	40.92 2.87 0.00	44.60 3.38 0.00	42.00 3.37 0.00	48.86 3.72 0.00	54.50 4.56 0.00	54.26 5.14 -0.05	49.24 4.62 -1.05	59.30 5.17 -3.78	67.93 4.80 -19.87	79.30 5.68 -24.96	94.53 5.64 -40.95	82.64 6.18 -24.82	92.30 8.41 -4.39	83.52 7.79 0.00	91.82 8.09 0.00	64.51 5.31 0.00	56.62 4.42 0.00	49.98 3.55 -0.33
DANSKAMMER___2 23589	44.93 2.97 0.00	39.04 2.53 0.00	37.87 2.39 0.00	36.01 2.20 0.00	34.26 2.13 -0.01	36.35 2.27 -0.06	40.92 2.87 0.00	44.60 3.38 0.00	42.00 3.37 0.00	48.86 3.72 0.00	54.50 4.56 0.00	54.26 5.14 -0.05	49.24 4.62 -1.05	59.30 5.17 -3.78	67.93 4.80 -19.87	79.30 5.68 -24.96	94.53 5.64 -40.95	82.64 6.18 -24.82	92.30 8.41 -4.39	83.52 7.79 0.00	91.82 8.09 0.00	64.51 5.31 0.00	56.62 4.42 0.00	49.98 3.55 -0.33
DANSKAMMER___3 23590	44.93 2.97 0.00	39.04 2.53 0.00	37.87 2.39 0.00	36.01 2.20 0.00	34.26 2.13 -0.01	36.35 2.27 -0.06	40.92 2.87 0.00	44.60 3.38 0.00	42.00 3.37 0.00	48.86 3.72 0.00	54.50 4.56 0.00	54.26 5.14 -0.05	49.24 4.62 -1.05	59.30 5.17 -3.78	67.93 4.80 -19.87	79.30 5.68 -24.96	94.53 5.64 -40.95	82.64 6.18 -24.82	92.30 8.41 -4.39	83.52 7.79 0.00	91.82 8.09 0.00	64.51 5.31 0.00	56.62 4.42 0.00	49.98 3.55 -0.33

DANSKAMMER___4 23591	44.93 2.97 0.00	39.04 2.53 0.00	37.87 2.39 0.00	36.01 2.20 0.00	34.26 2.13 -0.01	36.35 2.27 -0.06	40.92 2.87 0.00	44.60 3.38 0.00	42.00 3.37 0.00	48.86 3.72 0.00	54.50 4.56 0.00	54.26 5.14 -0.05	49.24 4.62 -1.05	59.30 5.17 -3.78	67.93 4.80 -19.87	79.30 5.68 -24.96	94.53 5.64 -40.95	82.64 6.18 -24.82	92.30 8.41 -4.39	83.52 7.79 0.00	91.82 8.09 0.00	64.51 5.31 0.00	56.62 4.42 0.00	49.98 3.55 -0.33
DANSKAMMER___DIESEL 23592	44.94 2.98 0.00	39.04 2.53 0.00	37.87 2.39 0.00	36.01 2.20 0.00	34.25 2.13 -0.01	36.34 2.26 -0.06	40.93 2.88 0.00	44.60 3.38 0.00	42.01 3.38 0.00	48.86 3.71 0.00	54.51 4.58 0.00	54.27 5.14 -0.05	49.25 4.62 -1.05	59.31 5.18 -3.78	67.92 4.79 -19.87	79.30 5.68 -24.96	94.53 5.64 -40.95	82.66 6.21 -24.82	92.31 8.42 -4.39	83.52 7.78 0.00	91.82 8.08 0.00	64.51 5.31 0.00	56.62 4.43 0.00	49.98 3.55 -0.33
DARBY___SOLAR 323810	44.12 2.15 0.00	38.30 1.78 0.00	37.25 1.76 0.00	35.49 1.68 0.00	33.72 1.60 0.00	35.88 1.86 0.00	40.18 2.12 0.00	43.36 2.14 0.00	40.37 1.74 0.00	46.94 1.80 0.00	52.07 2.13 0.00	51.42 2.35 0.00	45.31 1.84 0.11	52.55 2.21 0.00	45.52 2.26 0.00	51.36 2.69 0.00	50.71 2.77 0.00	54.69 3.05 0.00	84.20 4.70 0.00	80.30 4.56 0.00	88.69 4.96 0.00	62.71 3.49 0.00	55.18 2.98 0.00	48.55 2.46 0.00
DASHVILLE___HYD 23610	44.34 2.38 0.00	38.55 2.04 0.00	37.41 1.93 0.00	35.58 1.77 0.00	33.85 1.73 0.00	35.91 1.83 -0.06	40.39 2.34 0.00	43.98 2.76 0.00	41.41 2.78 0.00	48.15 3.00 0.00	53.62 3.69 0.00	53.27 4.17 -0.02	47.86 3.80 -0.47	56.29 4.21 -1.73	56.61 3.89 -9.46	65.17 4.84 -11.67	71.88 4.80 -19.14	66.57 5.26 -9.68	88.55 6.99 -2.05	82.16 6.42 0.00	90.34 6.61 0.00	63.59 4.39 0.00	55.90 3.70 0.00	49.37 2.95 -0.32
DELAWARE___LFGE 323621	43.10 1.14 0.00	37.61 1.10 0.00	36.56 1.08 0.00	34.80 0.98 0.00	33.11 0.97 -0.02	35.28 1.08 -0.18	39.33 1.28 0.00	42.63 1.41 0.00	40.18 1.46 -0.09	47.22 1.57 -0.51	52.45 1.87 -0.65	51.67 1.98 -0.63	46.02 1.78 -0.67	52.97 1.95 -0.68	46.57 1.85 -1.47	51.46 2.14 -0.65	50.53 1.97 -0.62	54.68 2.30 -0.74	84.42 3.14 -1.77	80.70 3.19 -1.77	89.04 3.27 -2.04	62.31 2.05 -1.05	54.62 1.67 -0.75	48.43 1.28 -1.06
DERFIELD_115KV_TB7 355931	42.23 0.27 0.00	36.77 0.26 0.00	35.73 0.25 0.00	34.05 0.24 0.00	32.34 0.22 0.00	35.89 0.24 -1.63	41.77 0.30 -3.42	43.23 0.30 -1.71	41.63 0.28 -2.71	45.41 0.27 0.00	50.27 0.33 0.00	51.11 0.34 -1.71	47.71 0.26 -3.87	54.92 0.32 -4.26	47.45 0.34 -3.86	53.22 0.38 -4.17	52.45 0.36 -4.15	56.43 0.42 -4.38	85.31 0.56 -5.25	76.78 0.63 -0.41	84.36 0.63 0.00	60.93 0.38 -1.33	53.52 0.34 -0.98	47.39 0.25 -1.05
DOGLEVILLE___HYD 23807	44.79 2.82 0.00	39.05 2.54 0.00	37.91 2.42 0.00	36.15 2.34 0.00	34.54 2.42 0.00	38.36 2.71 -1.63	44.68 3.21 -3.42	45.77 2.83 -1.71	43.36 2.02 -2.71	47.44 2.30 0.00	51.79 1.85 0.00	53.24 2.47 -1.71	48.54 1.09 -3.87	56.70 2.09 -4.26	49.76 2.65 -3.86	55.28 2.45 -4.17	54.53 2.44 -4.15	59.10 3.09 -4.38	90.37 5.62 -5.25	82.66 6.51 -0.41	91.11 7.37 0.00	65.56 5.02 -1.33	57.21 4.03 -0.98	50.38 3.24 -1.05
DUNKIRK___115KV_TB_200 55889	23.90 -1.87 16.20	34.67 -1.80 0.04	34.03 -1.46 0.00	31.90 -1.91 0.00	29.74 -2.35 0.02	24.27 -2.32 7.43	17.67 -1.84 18.53	22.38 -1.26 17.58	25.95 -0.88 11.80	43.63 -0.89 0.62	30.32 -0.65 18.97	27.36 -1.38 20.33	22.57 -1.58 19.43	28.43 -1.35 20.56	23.12 -0.79 19.34	27.60 -0.92 20.14	25.49 -1.66 20.79	29.08 -1.53 21.02	48.56 -2.53 28.40	50.46 -1.63 23.65	63.30 -1.44 18.99	33.55 -2.00 23.66	27.69 -2.52 21.99	22.34 -2.60 21.15
DUNKIRK___1 23563	23.90 -1.87 16.20	34.67 -1.80 0.04	34.03 -1.46 0.00	31.90 -1.91 0.00	29.74 -2.35 0.02	24.27 -2.32 7.43	17.67 -1.84 18.53	22.38 -1.26 17.58	25.95 -0.88 11.80	43.63 -0.89 0.62	30.32 -0.65 18.97	27.36 -1.38 20.33	22.57 -1.58 19.43	28.43 -1.35 20.56	23.12 -0.79 19.34	27.60 -0.92 20.14	25.49 -1.66 20.79	29.08 -1.53 21.02	48.56 -2.53 28.40	50.46 -1.63 23.65	63.30 -1.44 18.99	33.55 -2.00 23.66	27.69 -2.52 21.99	22.34 -2.60 21.15
DUNKIRK___2 23564	23.90 -1.87 16.20	34.67 -1.80 0.04	34.03 -1.46 0.00	31.90 -1.91 0.00	29.74 -2.35 0.02	24.27 -2.32 7.43	17.67 -1.84 18.53	22.38 -1.26 17.58	25.95 -0.88 11.80	43.63 -0.89 0.62	30.32 -0.65 18.97	27.36 -1.38 20.33	22.57 -1.58 19.43	28.43 -1.35 20.56	23.12 -0.79 19.34	27.60 -0.92 20.14	25.49 -1.66 20.79	29.08 -1.53 21.02	48.56 -2.53 28.40	50.46 -1.63 23.65	63.30 -1.44 18.99	33.55 -2.00 23.66	27.69 -2.52 21.99	22.34 -2.60 21.15
DUNKIRK___3 23565	23.42 -2.00 16.55	34.50 -1.97 0.04	33.86 -1.62 0.00	31.84 -1.97 0.00	29.75 -2.34 0.02	24.15 -2.29 7.58	17.17 -1.93 18.94	21.93 -1.34 17.96	25.60 -0.98 12.06	43.49 -1.01 0.64	29.82 -0.74 19.38	26.93 -1.37 20.77	22.09 -1.63 19.85	27.82 -1.51 21.01	22.57 -0.95 19.73	26.97 -1.11 20.58	24.95 -1.78 21.21	28.62 -1.60 21.42	47.93 -2.62 28.95	49.78 -1.86 24.10	62.64 -1.73 19.36	32.82 -2.28 24.12	27.21 -2.57 22.42	22.00 -2.57 21.53
DUNKIRK___4 23566	23.42 -2.00 16.55	34.50 -1.97 0.04	33.86 -1.62 0.00	31.84 -1.97 0.00	29.75 -2.34 0.02	24.15 -2.29 7.58	17.17 -1.93 18.94	21.93 -1.34 17.96	25.60 -0.98 12.06	43.49 -1.01 0.64	29.82 -0.74 19.38	26.93 -1.37 20.77	22.09 -1.63 19.85	27.82 -1.51 21.01	22.57 -0.95 19.73	26.97 -1.11 20.58	24.95 -1.78 21.21	28.62 -1.60 21.42	47.93 -2.62 28.95	49.78 -1.86 24.10	62.64 -1.73 19.36	32.82 -2.28 24.12	27.21 -2.57 22.42	22.00 -2.57 21.53
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	44.88 2.92 0.00	38.93 2.42 0.00	37.76 2.28 0.00	35.91 2.10 0.00	34.18 2.05 -0.01	36.23 2.15 -0.06	40.89 2.84 0.00	44.61 3.39 0.00	42.04 3.41 0.00	48.95 3.81 0.00	54.73 4.79 0.00	54.54 5.39 -0.08	53.66 4.91 -5.17	61.27 5.40 -5.52	77.49 4.84 -29.40	91.43 5.63 -37.13	114.34 5.48 -60.92	94.62 6.07 -36.91	94.11 8.07 -6.53	83.11 7.37 0.00	91.30 7.57 0.00	64.23 5.03 0.00	56.47 4.28 0.00	49.94 3.52 -0.33
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	44.74 2.78 0.00	38.86 2.35 0.00	37.69 2.21 0.00	35.83 2.01 0.00	34.07 1.95 -0.01	36.15 2.06 -0.06	40.72 2.68 0.00	44.37 3.15 0.00	41.82 3.19 0.00	48.60 3.45 0.00	54.23 4.29 0.00	54.01 4.85 -0.09	50.36 4.41 -2.38	61.51 4.87 -6.30	81.03 4.48 -33.30	96.09 5.32 -42.10	122.36 5.35 -69.07	99.43 5.95 -41.85	94.83 7.93 -7.40	83.06 7.32 0.00	91.34 7.60 0.00	64.20 4.99 0.00	56.36 4.16 0.00	49.78 3.34 -0.35
E179THST_138_KV_TB4_REV_LBMP_J 345001	44.90 2.93 0.00	38.91 2.40 0.00	37.81 2.33 0.00	35.93 2.12 0.00	34.19 2.07 -0.01	36.14 2.06 -0.06	40.96 2.91 0.00	44.71 3.49 0.00	42.14 3.52 0.00	49.10 3.95 0.00	54.90 4.97 0.00	54.76 5.61 -0.08	53.86 5.11 -5.17	61.36 5.50 -5.52	77.52 4.89 -29.38	91.50 5.73 -37.11	114.28 5.47 -60.87	94.57 6.05 -36.88	94.51 8.28 -6.73	83.42 7.58 -0.10	91.53 7.71 -0.08	64.31 5.10 0.00	56.64 4.44 0.00	50.03 3.61 -0.33

E179THST_13_KV_LOAD 356214	45.13 3.16 0.00	39.11 2.60 0.00	37.99 2.51 0.00	36.11 2.30 0.00	34.36 2.24 -0.01	36.32 2.23 -0.06	41.17 3.12 0.00	44.97 3.74 0.00	42.40 3.77 0.00	49.39 4.25 0.00	55.24 5.30 0.00	55.09 5.95 -0.08	54.17 5.42 -5.17	61.72 5.85 -5.52	77.84 5.21 -29.38	91.87 6.10 -37.11	114.64 5.82 -60.87	94.94 6.42 -36.88	95.13 8.89 -6.73	84.00 8.16 -0.10	92.18 8.36 -0.08	64.73 5.52 0.00	57.00 4.81 0.00	50.34 3.91 -0.33
EAST HAMPTON___GT 23717	45.47 3.40 -0.10	38.88 2.37 0.00	37.56 2.08 0.00	35.63 1.82 0.00	34.17 2.04 -0.01	36.11 2.03 -0.06	40.91 2.86 0.00	44.51 3.29 0.00	41.39 2.76 0.00	47.79 2.65 0.00	54.25 3.86 -0.45	57.15 4.45 -3.63	82.42 4.24 -34.61	59.56 4.42 -4.80	71.95 4.31 -24.39	81.72 4.87 -28.19	93.54 5.19 -40.42	102.32 5.94 -44.74	85.27 8.24 2.47	87.26 7.77 -3.76	91.15 7.80 0.39	62.47 4.43 1.18	55.47 3.27 0.00	49.17 2.75 -0.33
EAST RIVER___6 23660	44.93 2.97 0.00	38.93 2.42 0.00	37.80 2.32 0.00	35.93 2.11 0.00	34.20 2.08 -0.01	36.22 2.13 -0.06	40.94 2.89 0.00	44.77 3.55 0.00	42.24 3.60 0.00	49.33 4.19 0.00	55.20 5.26 0.00	55.05 5.91 -0.08	54.15 5.41 -5.17	61.81 5.94 -5.52	77.89 5.24 -29.40	91.87 6.08 -37.13	114.72 5.87 -60.92	95.06 6.51 -36.91	112.18 8.64 -24.03	95.50 7.83 -11.93	99.17 8.06 -7.38	64.65 5.44 0.00	56.84 4.64 0.00	50.21 3.79 -0.33
EAST RIVER___7 23524	44.93 2.97 0.00	38.93 2.42 0.00	37.80 2.32 0.00	35.93 2.11 0.00	34.20 2.08 -0.01	36.22 2.13 -0.06	40.94 2.89 0.00	44.77 3.55 0.00	42.24 3.60 0.00	49.33 4.19 0.00	55.20 5.26 0.00	55.05 5.91 -0.08	54.15 5.41 -5.17	61.81 5.94 -5.52	77.89 5.24 -29.40	91.87 6.08 -37.13	114.72 5.87 -60.92	95.06 6.51 -36.91	112.18 8.64 -24.03	95.50 7.83 -11.93	99.17 8.06 -7.38	64.65 5.44 0.00	56.84 4.64 0.00	50.21 3.79 -0.33
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	44.76 2.79 0.00	38.84 2.33 0.00	37.68 2.20 0.00	35.83 2.01 0.00	34.09 1.97 -0.01	36.15 2.07 -0.06	40.78 2.73 0.00	44.49 3.26 0.00	41.92 3.29 0.00	48.79 3.64 0.00	54.52 4.58 0.00	54.32 5.17 -0.08	53.26 4.70 -4.98	61.27 5.18 -5.74	78.45 4.67 -30.52	92.68 5.45 -38.57	116.56 5.34 -63.28	95.90 5.92 -38.34	94.13 7.84 -6.78	82.88 7.14 0.00	91.09 7.36 0.00	64.07 4.87 0.00	56.32 4.12 0.00	49.79 3.37 -0.33
EAST_HAMPTON___DIESEL 23722	45.39 3.32 -0.10	38.81 2.30 0.00	37.49 2.01 0.00	35.56 1.75 0.00	34.10 1.98 -0.01	36.04 1.96 -0.06	40.83 2.79 0.00	44.42 3.20 0.00	41.31 2.68 0.00	47.69 2.55 0.00	54.14 3.75 -0.45	57.06 4.35 -3.63	82.33 4.15 -34.61	59.46 4.31 -4.80	71.86 4.22 -24.39	81.62 4.76 -28.19	93.45 5.09 -40.42	102.22 5.84 -44.74	85.11 8.08 2.47	87.11 7.62 -3.76	90.98 7.63 0.39	62.35 4.31 1.18	55.37 3.17 0.00	49.08 2.66 -0.33
EAST_POINT___SOLAR 323840	44.19 2.22 0.00	38.34 1.83 0.00	37.22 1.74 0.00	35.45 1.63 0.00	33.75 1.63 0.00	36.03 1.95 -0.06	40.12 2.07 0.00	42.07 0.85 0.00	39.39 0.76 0.00	46.03 0.88 0.00	50.55 0.61 0.00	49.57 0.50 0.00	43.65 0.08 0.00	51.15 0.80 0.00	44.52 0.93 -0.33	48.98 0.32 0.00	48.12 0.18 0.00	52.17 0.53 0.00	81.51 2.01 0.00	80.14 4.41 0.00	89.69 5.95 0.00	63.15 3.94 0.00	55.40 3.21 0.00	48.92 2.51 -0.32
EAST_PULASKI___ESR 323781	41.47 -0.50 0.00	35.99 -0.52 0.00	35.00 -0.49 0.00	33.26 -0.55 0.00	31.64 -0.48 0.00	32.63 -0.48 0.91	35.74 -0.51 1.79	39.68 -0.64 0.90	38.04 -0.51 0.08	51.90 -0.65 -7.41	58.59 -0.71 -9.36	56.10 -0.90 -7.93	47.03 -0.82 -4.27	56.68 -0.99 -7.32	46.40 -0.78 -3.92	54.84 -0.81 -6.99	53.62 -0.80 -6.48	59.16 -0.61 -8.14	100.83 -0.82 -22.14	100.15 -0.19 -24.60	112.37 -0.05 -28.68	72.85 -0.38 -14.02	61.75 -0.54 -10.09	45.71 -0.63 -0.25
EAST_RIVER___1 323558	44.92 2.96 0.00	38.93 2.42 0.00	37.78 2.30 0.00	35.92 2.10 0.00	34.20 2.07 -0.01	36.22 2.14 -0.06	40.94 2.89 0.00	44.74 3.52 0.00	42.18 3.55 0.00	49.23 4.09 0.00	55.07 5.13 0.00	54.91 5.77 -0.08	54.03 5.28 -5.17	61.70 5.83 -5.52	77.78 5.13 -29.40	91.75 5.95 -37.13	114.61 5.75 -60.92	94.93 6.38 -36.91	112.01 8.48 -24.03	95.36 7.70 -11.93	99.01 7.90 -7.38	64.55 5.34 0.00	56.75 4.56 0.00	50.15 3.72 -0.33
EAST_RIVER___2 323559	44.93 2.97 0.00	38.93 2.42 0.00	37.80 2.32 0.00	35.93 2.11 0.00	34.20 2.08 -0.01	36.22 2.13 -0.06	40.94 2.89 0.00	44.77 3.55 0.00	42.24 3.60 0.00	49.33 4.19 0.00	55.20 5.26 0.00	55.05 5.91 -0.08	54.15 5.41 -5.17	61.81 5.94 -5.52	77.89 5.24 -29.40	91.87 6.08 -37.13	114.72 5.87 -60.92	95.06 6.51 -36.91	112.18 8.64 -24.03	95.50 7.83 -11.93	99.17 8.06 -7.38	64.65 5.44 0.00	56.84 4.64 0.00	50.21 3.79 -0.33
EAST___DELAWARE_HYD 23607	44.66 2.70 0.00	38.79 2.28 0.00	37.63 2.14 0.00	35.77 1.96 0.00	34.03 1.91 -0.01	36.13 2.03 -0.08	40.65 2.60 0.00	44.29 3.07 0.00	41.73 3.10 0.00	48.45 3.31 0.00	53.97 4.04 0.00	53.57 4.50 0.00	48.06 3.93 -0.55	53.56 3.22 0.00	46.85 3.17 -0.43	52.75 4.09 0.00	51.98 4.04 0.00	55.48 4.44 0.59	85.49 5.99 0.00	81.34 5.61 0.00	89.64 5.90 0.00	64.36 5.15 0.00	56.43 4.23 0.00	49.86 3.35 -0.41
EIGHT_POINT___WT_PWR 323820	93.86 -2.61 -54.50	34.71 -1.94 -0.14	34.57 -0.92 0.00	32.90 -0.92 0.00	30.32 -1.76 0.04	54.94 -2.76 -23.68	98.44 -2.00 -62.38	99.28 -1.29 -59.34	77.79 -0.77 -39.93	46.43 -1.56 -2.84	112.12 -2.65 -64.84	114.97 -3.17 -69.07	106.58 -2.93 -65.93	116.86 -3.46 -69.98	99.38 -2.39 -58.51	115.74 -1.46 -68.54	116.41 -2.12 -70.59	120.78 -2.36 -71.50	173.85 -3.40 -97.75	155.41 -2.31 -81.99	147.74 -2.80 -66.80	137.28 -2.90 -80.96	125.07 -2.24 -75.11	107.52 -2.89 -64.31
ELBRIDGE_115KV_TB2 80188	41.78 -0.18 0.00	36.32 -0.19 0.00	35.27 -0.21 0.00	33.59 -0.22 0.00	31.86 -0.25 0.01	33.72 -0.21 0.09	37.84 -0.21 0.00	40.93 -0.30 0.00	39.02 -0.16 -0.55	47.94 -0.25 -3.05	53.52 -0.27 -3.85	52.26 -0.40 -3.59	45.79 -0.35 -2.56	53.73 -0.49 -3.88	45.06 -0.24 -2.05	52.26 -0.14 -3.73	51.25 -0.20 -3.52	55.81 -0.07 -4.24	89.61 0.00 -10.11	86.35 0.53 -10.08	95.98 0.59 -11.65	65.17 -0.01 -5.96	56.28 -0.21 -4.29	45.64 -0.41 0.04
ELEC_TRO_TEK 24086	45.42 3.36 -0.10	39.22 2.71 0.00	37.98 2.49 0.00	36.07 2.25 0.00	34.39 2.27 -0.01	36.46 2.38 -0.06	41.20 3.15 0.00	44.88 3.66 0.00	42.17 3.53 0.00	49.07 3.93 0.00	55.67 5.29 -0.45	58.52 5.81 -3.63	83.36 5.17 -34.61	61.46 5.60 -5.51	89.41 5.22 -40.94	106.98 6.12 -52.20	147.82 6.11 -93.78	208.82 6.72 -150.46	168.87 9.13 -80.24	112.86 8.40 -28.72	108.12 8.64 -15.74	68.13 5.49 -3.43	56.65 4.45 0.00	50.20 3.77 -0.33
ELLENBURG_WT_PWR 323604	40.79 -1.17 0.00	35.37 -1.14 0.00	34.20 -1.29 0.00	32.84 -0.97 0.00	31.25 -0.87 0.00	31.07 -0.96 1.99	32.55 -1.30 4.19	37.57 -1.56 2.10	33.86 -1.44 3.34	43.81 -1.33 0.00	48.10 -1.84 0.00	45.11 -1.85 2.10	37.13 -1.69 4.76	43.27 -1.84 5.24	36.73 -1.78 4.74	41.14 -2.40 5.13	40.47 -2.36 5.10	43.77 -2.48 5.38	69.94 -3.12 6.45	72.06 -3.18 0.50	80.47 -3.26 0.00	55.35 -2.25 1.61	49.24 -1.77 1.19	43.19 -1.64 1.27

ELM_ST_23_KV_LD_REV_LBMP_A 345012	22.56 -2.47 16.93	33.99 -2.48 0.04	33.39 -2.10 0.00	31.54 -2.27 0.00	29.63 -2.47 0.02	23.84 -2.45 7.74	16.28 -2.38 19.39	21.09 -1.74 18.39	24.92 -1.39 12.33	43.02 -1.47 0.65	28.94 -1.19 19.81	26.04 -1.80 21.23	21.10 -2.17 20.31	26.53 -2.32 21.50	21.38 -1.78 20.09	25.46 -2.15 21.06	23.73 -2.56 21.65	27.50 -2.29 21.84	46.39 -3.59 29.52	48.13 -3.05 24.57	60.97 -3.03 19.73	31.40 -3.22 24.59	26.33 -2.99 22.88	21.45 -2.79 21.86
EMPIRE_CC_1 323656	43.20 1.24 0.00	37.72 1.21 0.00	36.68 1.20 0.00	34.95 1.14 0.00	33.26 1.14 0.00	35.20 1.18 0.00	39.36 1.31 0.00	42.58 1.35 0.00	39.77 1.14 0.00	46.06 0.92 0.00	50.84 0.90 0.00	50.22 1.15 0.00	44.32 0.91 0.16	51.39 1.05 0.00	44.52 1.26 0.00	50.03 1.36 0.00	49.50 1.56 0.00	53.23 1.59 0.00	81.22 1.72 0.00	77.31 1.57 0.00	85.13 1.39 0.00	60.46 1.25 0.00	53.42 1.23 0.00	47.12 1.02 0.00
EMPIRE_CC_2 323658	43.20 1.24 0.00	37.72 1.21 0.00	36.68 1.20 0.00	34.95 1.14 0.00	33.26 1.14 0.00	35.20 1.18 0.00	39.36 1.31 0.00	42.58 1.35 0.00	39.77 1.14 0.00	46.06 0.92 0.00	50.84 0.90 0.00	50.22 1.15 0.00	44.32 0.91 0.16	51.39 1.05 0.00	44.52 1.26 0.00	50.03 1.36 0.00	49.50 1.56 0.00	53.23 1.59 0.00	81.22 1.72 0.00	77.31 1.57 0.00	85.13 1.39 0.00	60.46 1.25 0.00	53.42 1.23 0.00	47.12 1.02 0.00
ENORWICH_115KV_TB1 80156	45.64 1.43 -2.25	37.70 1.18 -0.01	36.67 1.19 0.00	35.20 1.38 0.00	33.77 1.65 -0.01	37.05 1.93 -1.10	42.81 2.18 -2.59	46.29 2.36 -2.71	43.20 2.57 -2.00	48.83 2.58 -1.11	56.49 2.35 -4.20	55.24 2.07 -4.09	48.82 1.44 -3.81	56.47 1.91 -4.22	48.62 1.39 -3.97	54.21 1.44 -4.11	53.14 1.10 -4.11	58.61 2.58 -4.39	92.45 5.44 -7.52	89.39 6.77 -6.89	97.99 7.43 -6.82	68.90 4.29 -5.40	59.74 2.96 -4.59	51.65 2.10 -3.46
ERIE_ST__34_KV_TB1-2 80199	24.49 -2.11 15.36	34.20 -2.27 0.04	33.55 -1.93 0.00	31.70 -2.11 0.00	29.78 -2.31 0.02	24.73 -2.22 7.07	18.44 -2.04 17.57	23.22 -1.33 16.67	26.41 -1.01 11.22	43.46 -1.09 0.59	31.20 -0.70 18.04	28.54 -1.20 19.33	23.53 -1.59 18.45	29.11 -1.72 19.52	23.69 -1.19 18.38	28.09 -1.45 19.13	26.41 -1.82 19.71	30.25 -1.47 19.91	50.33 -2.26 26.91	51.55 -1.79 22.40	64.02 -1.72 17.99	34.40 -2.40 22.41	29.06 -2.36 20.77	23.76 -2.28 20.06
ERIE_WT_PWR 323693	23.03 -2.23 16.71	34.15 -2.32 0.04	33.56 -1.92 0.00	31.71 -2.10 0.00	29.70 -2.40 0.02	24.08 -2.29 7.66	16.82 -2.12 19.11	21.55 -1.54 18.13	25.26 -1.19 12.18	43.17 -1.33 0.65	29.43 -0.92 19.59	26.56 -1.51 21.00	21.56 -1.96 20.05	27.15 -1.98 21.22	21.79 -1.61 19.86	25.94 -1.93 20.79	24.38 -2.20 21.36	28.20 -1.89 21.55	47.39 -2.99 29.12	48.97 -2.53 24.24	61.83 -2.43 19.47	32.23 -2.72 24.25	27.12 -2.56 22.51	21.96 -2.54 21.60
ESPRGFLD_115KV_TB1 80157	43.13 1.17 0.00	37.50 0.99 0.00	36.44 0.95 0.00	34.71 0.89 0.00	33.07 0.95 -0.01	35.28 1.17 -0.10	39.44 1.39 0.00	42.51 1.29 0.00	40.00 1.37 0.00	46.76 1.61 0.00	51.67 1.73 0.00	50.60 1.53 0.00	44.80 1.23 0.00	51.75 1.41 0.00	45.31 1.51 -0.55	49.98 1.31 0.00	48.90 0.95 0.00	53.13 1.49 0.00	82.39 2.89 0.00	79.46 3.72 0.00	87.93 4.20 0.00	61.74 2.52 0.00	54.18 1.98 0.00	48.07 1.45 -0.53
ETNA_115_KV_TB1_REV_LBMP_C 345029	46.64 0.60 -4.08	37.00 0.47 -0.01	35.95 0.47 0.00	34.24 0.42 0.00	32.46 0.36 0.02	36.10 0.46 -1.62	43.43 0.68 -4.70	47.28 1.08 -4.98	43.37 1.13 -3.60	47.90 1.14 -1.62	58.20 1.08 -7.18	56.63 0.61 -6.95	50.27 0.42 -6.27	58.02 0.54 -7.14	48.59 0.51 -4.83	56.44 0.83 -6.95	55.45 0.53 -6.98	59.98 0.93 -7.42	93.78 1.93 -12.35	89.76 2.76 -11.26	97.84 3.15 -10.95	69.92 1.65 -9.07	61.09 1.08 -7.81	51.03 0.66 -4.28
ETNA____115KV_TB2 80207	46.64 0.60 -4.08	37.00 0.47 -0.01	35.95 0.47 0.00	34.24 0.42 0.00	32.46 0.36 0.02	36.10 0.46 -1.62	43.43 0.68 -4.70	47.28 1.08 -4.98	43.37 1.13 -3.60	47.90 1.14 -1.62	58.20 1.08 -7.18	56.63 0.61 -6.95	50.27 0.42 -6.27	58.02 0.54 -7.14	48.59 0.51 -4.83	56.44 0.83 -6.95	55.45 0.53 -6.98	59.98 0.93 -7.42	93.78 1.93 -12.35	89.76 2.76 -11.26	97.84 3.15 -10.95	69.92 1.65 -9.07	61.09 1.08 -7.81	51.03 0.66 -4.28
EUCLID___115KV_TB2 356179	41.52 -0.44 0.00	36.07 -0.44 0.00	35.07 -0.41 0.00	33.36 -0.45 0.00	31.65 -0.46 0.01	33.50 -0.46 0.06	37.59 -0.46 0.00	40.74 -0.48 0.00	38.46 -0.40 -0.23	45.92 -0.49 -1.28	51.04 -0.51 -1.61	49.95 -0.63 -1.51	44.07 -0.59 -1.08	51.27 -0.71 -1.63	43.50 -0.48 -0.72	49.78 -0.45 -1.57	48.93 -0.49 -1.48	53.09 -0.33 -1.78	83.32 -0.43 -4.25	79.90 -0.07 -4.23	88.52 -0.10 -4.89	61.26 -0.45 -2.50	53.42 -0.58 -1.80	45.30 -0.64 0.15
E_CANADA_CAP_HY 24051	43.38 1.42 0.00	37.65 1.14 0.00	36.56 1.08 0.00	34.84 1.03 0.00	33.21 1.08 -0.01	35.45 1.36 -0.07	39.60 1.55 0.00	42.34 1.12 0.00	39.61 0.97 0.00	46.36 1.22 0.00	51.12 1.18 0.00	49.96 0.89 0.00	43.95 0.37 0.00	50.98 0.64 0.00	44.73 1.09 -0.39	49.07 0.41 0.00	48.05 0.11 0.00	52.18 0.54 0.00	81.37 1.87 0.00	78.91 3.18 0.00	87.73 4.00 0.00	61.71 2.50 0.00	54.29 2.10 0.00	48.12 1.66 -0.37
E_CANADA_MHWK_HY 24050	44.79 2.83 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.15 2.34 0.00	34.54 2.43 0.00	38.36 2.71 -1.63	44.68 3.22 -3.42	45.77 2.83 -1.71	43.36 2.02 -2.71	47.44 2.30 0.00	51.79 1.85 0.00	53.24 2.47 -1.71	48.54 1.09 -3.87	56.69 2.09 -4.26	49.76 2.65 -3.86	55.28 2.45 -4.17	54.53 2.44 -4.15	59.11 3.10 -4.38	90.37 5.61 -5.25	82.66 6.51 -0.41	91.11 7.37 0.00	65.56 5.02 -1.33	57.21 4.03 -0.98	50.38 3.25 -1.05
E_FISHKILL___LBMP 23776	44.33 2.37 0.00	38.52 2.00 0.00	37.39 1.90 0.00	35.56 1.75 0.00	33.84 1.72 0.00	35.90 1.82 -0.06	40.43 2.38 0.00	44.02 2.80 0.00	41.43 2.79 0.00	48.16 3.01 0.00	53.70 3.76 0.00	53.35 4.26 -0.02	47.33 3.85 0.10	56.01 4.23 -1.44	55.02 3.88 -7.89	62.88 4.56 -9.66	68.28 4.50 -15.84	66.21 4.97 -9.60	87.72 6.52 -1.70	81.72 5.98 0.00	89.84 6.10 0.00	63.23 4.02 0.00	55.63 3.43 0.00	49.20 2.79 -0.32
FALCON___SEABRD_CC1 323796	41.22 -0.75 0.00	35.68 -0.83 0.00	34.55 -0.93 0.00	33.16 -0.66 0.00	31.54 -0.57 0.00	31.38 -0.56 2.08	32.81 -0.86 4.38	37.91 -1.12 2.19	34.51 -0.54 3.58	44.83 -0.31 0.00	49.07 -0.86 0.00	46.09 -0.72 2.26	37.53 -0.92 5.12	43.88 -0.83 5.63	37.34 -0.81 5.10	41.58 -1.57 5.51	40.66 -1.79 5.49	43.55 -2.30 5.79	69.22 -3.36 6.93	71.79 -3.42 0.53	79.93 -3.81 0.00	55.18 -2.32 1.71	49.98 -0.96 1.26	44.02 -0.73 1.35
FALCON___SEABRD_CC2 323797	41.22 -0.75 0.00	35.68 -0.83 0.00	34.55 -0.93 0.00	33.16 -0.66 0.00	31.54 -0.57 0.00	31.38 -0.56 2.08	32.81 -0.86 4.38	37.91 -1.12 2.19	34.51 -0.54 3.58	44.83 -0.31 0.00	49.07 -0.86 0.00	46.09 -0.72 2.26	37.53 -0.92 5.12	43.88 -0.83 5.63	37.34 -0.81 5.10	41.58 -1.57 5.51	40.66 -1.79 5.49	43.55 -2.30 5.79	69.22 -3.36 6.93	71.79 -3.42 0.53	79.93 -3.81 0.00	55.18 -2.32 1.71	49.98 -0.96 1.26	44.02 -0.73 1.35

FAR ROCKAWAY___4 23548	45.93 3.87 -0.10	39.64 3.13 0.00	38.37 2.89 0.00	36.44 2.62 0.00	34.74 2.62 -0.01	36.83 2.75 -0.06	41.63 3.58 0.00	45.38 4.15 0.00	42.65 4.02 0.00	49.66 4.52 0.00	56.34 5.95 -0.45	59.19 6.48 -3.64	84.00 5.80 -34.61	62.21 6.36 -5.51	104.55 5.88 -55.41	126.28 6.86 -70.76	187.67 6.83 -132.90	315.52 7.55 -256.34	253.80 10.39 -163.91	147.09 9.57 -61.78	130.75 9.93 -37.09	75.14 6.39 -9.53	57.44 5.24 -0.01	50.86 4.43 -0.33
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	44.96 3.00 0.00	39.06 2.55 0.00	37.77 2.30 0.00	35.88 2.07 0.00	34.17 2.04 -0.01	36.24 2.16 -0.06	40.98 2.93 0.00	44.76 3.53 0.00	42.20 3.57 0.00	49.21 4.07 0.00	55.07 5.13 0.00	54.90 5.76 -0.08	54.01 5.27 -5.17	61.70 5.83 -5.52	77.76 5.11 -29.39	91.73 5.94 -37.13	114.60 5.75 -60.91	94.93 6.39 -36.91	107.53 8.45 -19.58	92.44 7.66 -9.04	97.23 7.90 -5.59	64.56 5.35 0.00	56.78 4.59 0.00	50.18 3.75 -0.33
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	44.97 3.01 0.00	38.96 2.45 0.00	37.81 2.33 0.00	35.94 2.12 0.00	34.21 2.09 -0.01	36.25 2.17 -0.06	40.98 2.93 0.00	44.76 3.53 0.00	42.18 3.55 0.00	49.19 4.05 0.00	55.04 5.10 0.00	54.89 5.74 -0.08	53.99 5.24 -5.17	61.68 5.81 -5.52	77.74 5.09 -29.39	91.70 5.91 -37.13	114.57 5.73 -60.91	94.90 6.36 -36.91	107.51 8.43 -19.58	92.43 7.65 -9.04	97.21 7.88 -5.59	64.56 5.35 0.00	56.78 4.59 0.00	50.18 3.75 -0.33
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	44.93 2.97 0.00	38.93 2.42 0.00	37.78 2.30 0.00	35.91 2.10 0.00	34.19 2.07 -0.01	36.21 2.13 -0.06	40.96 2.91 0.00	44.74 3.51 0.00	42.18 3.54 0.00	49.18 4.04 0.00	55.04 5.10 0.00	54.88 5.73 -0.08	53.98 5.24 -5.17	61.65 5.78 -5.52	77.72 5.07 -29.39	91.69 5.90 -37.13	114.55 5.70 -60.91	94.87 6.33 -36.91	107.47 8.39 -19.58	92.38 7.60 -9.04	97.14 7.82 -5.59	64.51 5.30 0.00	56.75 4.55 0.00	50.13 3.70 -0.33
FARRAGUT___LBMP 323566	44.90 2.93 0.00	38.90 2.39 0.00	37.75 2.27 0.00	35.88 2.07 0.00	34.17 2.04 -0.01	36.19 2.11 -0.06	40.91 2.86 0.00	44.68 3.46 0.00	42.12 3.49 0.00	49.12 3.98 0.00	54.95 5.01 0.00	54.79 5.64 -0.08	53.91 5.17 -5.17	61.58 5.72 -5.52	77.65 5.00 -29.39	91.60 5.81 -37.13	114.48 5.63 -60.91	94.79 6.25 -36.91	107.35 8.27 -19.58	92.28 7.50 -9.04	97.04 7.71 -5.59	64.44 5.23 0.00	56.68 4.49 0.00	50.08 3.66 -0.33
FARRCKWY_69_KV_BK2 55825	45.93 3.87 -0.10	39.64 3.13 0.00	38.37 2.89 0.00	36.44 2.62 0.00	34.74 2.62 -0.01	36.83 2.75 -0.06	41.63 3.58 0.00	45.38 4.15 0.00	42.65 4.02 0.00	49.66 4.52 0.00	56.34 5.95 -0.45	59.19 6.48 -3.64	84.00 5.80 -34.61	62.21 6.36 -5.51	104.55 5.88 -55.41	126.28 6.86 -70.76	187.67 6.83 -132.90	315.52 7.55 -256.34	253.80 10.39 -163.91	147.09 9.57 -61.78	130.75 9.93 -37.09	75.14 6.39 -9.53	57.44 5.24 -0.01	50.86 4.43 -0.33
FENNER___WINDPWR 24204	42.72 0.76 0.00	37.07 0.56 0.00	36.04 0.55 0.00	34.33 0.52 0.00	32.62 0.51 0.01	37.10 0.55 -2.53	44.22 0.70 -5.48	44.79 0.81 -2.75	43.99 0.78 -4.58	47.26 0.91 -1.20	52.43 0.97 -1.52	53.79 0.53 -4.19	51.27 0.45 -7.25	59.34 0.59 -8.40	50.46 0.39 -6.82	57.46 0.60 -8.20	56.72 0.70 -8.08	61.42 1.05 -8.74	94.09 2.06 -12.53	83.17 2.66 -4.76	91.56 3.09 -4.74	65.37 1.60 -4.57	56.69 1.17 -3.32	48.37 0.79 -1.48
FIBERTEK___ENERGY 23856	42.00 0.04 0.00	36.49 -0.02 0.00	35.46 -0.02 0.00	33.75 -0.07 0.00	32.02 -0.09 0.01	33.89 -0.05 0.08	38.05 0.00 0.00	41.20 -0.03 0.00	39.20 0.04 -0.52	48.02 0.00 -2.87	53.59 0.02 -3.63	52.32 -0.15 -3.39	45.91 -0.08 -2.42	53.84 -0.17 -3.67	45.23 0.02 -1.95	52.31 0.13 -3.52	51.33 0.07 -3.32	55.96 0.31 -4.01	89.62 0.56 -9.55	86.26 1.00 -9.52	95.84 1.09 -11.01	65.20 0.35 -5.63	56.33 0.08 -4.06	45.96 -0.12 0.02
FITZPATRICK___ 23598	40.90 -1.06 0.00	35.56 -0.95 0.00	34.57 -0.91 0.00	32.91 -0.90 0.00	31.25 -0.87 0.00	33.12 -0.90 0.00	37.04 -1.01 0.00	40.08 -1.15 0.00	34.78 -1.05 2.81	28.42 -1.27 15.45	29.04 -1.38 19.52	29.20 -1.43 18.43	29.11 -1.31 13.16	28.87 -1.53 19.95	28.97 -1.23 13.06	28.20 -1.30 19.16	28.56 -1.32 18.06	28.57 -1.28 21.79	25.61 -1.93 51.97	22.32 -1.60 51.82	22.04 -1.78 59.92	27.03 -1.52 30.66	28.65 -1.47 22.08	42.49 -1.38 2.22
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	45.02 3.06 0.00	39.10 2.59 0.00	37.94 2.45 0.00	36.07 2.25 0.00	34.31 2.18 -0.01	36.40 2.32 -0.06	41.00 2.95 0.00	44.69 3.46 0.00	42.09 3.46 0.00	48.95 3.81 0.00	54.64 4.70 0.00	54.38 5.26 -0.05	49.25 4.75 -0.92	59.02 5.35 -3.34	65.73 4.93 -17.55	76.50 5.85 -21.99	89.81 5.79 -36.08	79.85 6.36 -21.86	92.03 8.66 -3.87	83.74 8.01 0.00	92.04 8.31 0.00	64.67 5.46 0.00	56.76 4.56 0.00	50.08 3.66 -0.33
FORT ORANGE___ 23900	43.35 1.38 0.00	37.81 1.30 0.00	36.74 1.26 0.00	34.99 1.17 0.00	33.27 1.15 0.00	35.24 1.22 0.00	39.44 1.39 0.00	42.66 1.44 0.00	39.79 1.16 0.00	46.11 0.97 0.00	50.96 1.02 0.00	50.27 1.20 0.00	44.38 0.92 0.11	51.45 1.10 0.00	44.69 1.43 0.00	50.38 1.71 0.00	49.76 1.82 0.00	52.21 1.85 1.27	81.70 2.20 0.00	77.95 2.21 0.00	85.91 2.17 0.00	60.78 1.57 0.00	53.54 1.35 0.00	47.23 1.13 0.00
FORT_DRUM_COGEN 23780	41.01 -0.96 0.00	34.93 -1.58 0.01	34.01 -1.47 0.00	32.35 -1.46 0.00	30.79 -1.33 0.00	15.93 -1.64 16.45	1.78 -1.63 34.64	22.37 -1.51 17.34	9.98 -1.45 27.20	45.43 -1.27 -1.56	50.49 -1.42 -1.97	30.65 -2.99 15.42	2.89 -2.80 37.89	5.93 -3.30 41.11	2.69 -2.81 37.76	5.14 -3.23 40.29	4.93 -2.82 40.19	7.00 -2.52 42.11	29.11 -2.64 47.75	77.42 0.51 -1.17	91.05 1.36 -5.96	48.84 -0.51 9.85	44.63 -0.26 7.31	35.20 -0.97 9.92
FOX_HILLS___ESR 323835	45.04 3.08 0.00	39.05 2.54 0.00	37.90 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.27 2.19 -0.06	41.03 2.98 0.00	44.86 3.64 0.00	42.32 3.68 0.00	49.34 4.19 0.00	55.13 5.19 0.00	54.99 5.85 -0.08	54.12 5.37 -5.17	61.64 5.77 -5.52	77.52 4.88 -29.38	91.52 5.75 -37.11	114.33 5.52 -60.87	94.58 6.06 -36.88	103.13 8.46 -15.17	92.64 7.87 -9.03	97.17 7.85 -5.58	64.40 5.19 0.00	57.51 4.58 -0.73	50.13 3.70 -0.33
FPL_FAR_ROCK_GT1 24212	45.92 3.86 -0.10	39.64 3.13 0.00	38.37 2.88 0.00	36.44 2.62 0.00	34.74 2.61 -0.01	36.83 2.75 -0.06	41.61 3.56 0.00	45.37 4.15 0.00	42.64 4.01 0.00	49.66 4.52 0.00	56.32 5.94 -0.45	59.18 6.47 -3.64	84.00 5.81 -34.61	62.20 6.35 -5.51	104.56 5.89 -55.41	126.28 6.86 -70.76	187.67 6.83 -132.90	315.51 7.54 -256.34	253.80 10.39 -163.91	147.09 9.57 -61.78	130.76 9.94 -37.09	75.11 6.36 -9.53	57.41 5.21 -0.01	50.86 4.43 -0.33
FPL_FAR_ROCK_GT2 23815	45.92 3.86 -0.10	39.64 3.13 0.00	38.37 2.88 0.00	36.44 2.62 0.00	34.74 2.61 -0.01	36.83 2.75 -0.06	41.61 3.56 0.00	45.37 4.15 0.00	42.64 4.01 0.00	49.66 4.52 0.00	56.32 5.94 -0.45	59.18 6.47 -3.64	84.00 5.81 -34.61	62.20 6.35 -5.51	104.56 5.89 -55.41	126.28 6.86 -70.76	187.67 6.83 -132.90	315.51 7.54 -256.34	253.80 10.39 -163.91	147.09 9.57 -61.78	130.76 9.94 -37.09	75.11 6.36 -9.53	57.41 5.21 -0.01	50.86 4.43 -0.33

FRANKLIN_FALL_HYD 24054	40.55 -1.41 0.00	35.16 -1.35 0.00	34.01 -1.47 0.00	32.65 -1.16 0.00	31.08 -1.04 0.00	28.41 -1.21 4.40	27.18 -1.60 9.27	34.84 -1.75 4.64	29.55 -1.73 7.36	43.45 -1.70 0.00	47.64 -2.30 0.00	41.94 -2.50 4.63	30.80 -2.27 10.50	36.30 -2.50 11.55	30.46 -2.34 10.46	34.30 -3.06 11.31	33.83 -2.86 11.25	36.81 -2.96 11.86	61.70 -3.69 14.11	71.49 -3.26 0.99	80.68 -3.06 0.00	53.81 -2.19 3.20	47.96 -1.89 2.36	41.85 -1.73 2.52
FREEPORT_EQUS_GT1 23764	45.76 3.70 -0.10	39.49 2.97 0.00	38.20 2.72 0.00	36.27 2.45 0.00	34.60 2.48 -0.01	36.68 2.60 -0.06	41.43 3.38 0.00	45.17 3.95 0.00	42.42 3.78 0.00	49.35 4.20 0.00	55.99 5.61 -0.45	58.84 6.14 -3.63	83.50 5.31 -34.61	61.49 5.63 -5.51	88.32 5.44 -39.63	105.40 6.22 -50.52	144.43 6.26 -90.23	199.47 6.97 -140.87	161.71 9.55 -72.66	110.23 8.77 -25.73	106.87 9.33 -13.80	68.13 6.03 -2.88	57.11 4.91 0.00	50.59 4.17 -0.33
FREEPORT___CT2 23818	45.76 3.70 -0.10	39.49 2.97 0.00	38.20 2.72 0.00	36.27 2.45 0.00	34.60 2.48 -0.01	36.68 2.60 -0.06	41.43 3.38 0.00	45.17 3.95 0.00	42.42 3.78 0.00	49.35 4.20 0.00	55.99 5.61 -0.45	58.84 6.14 -3.63	83.50 5.31 -34.61	61.49 5.63 -5.51	88.32 5.44 -39.63	105.40 6.22 -50.52	144.43 6.26 -90.23	199.47 6.97 -140.87	161.71 9.55 -72.66	110.23 8.77 -25.73	106.87 9.33 -13.80	68.13 6.03 -2.88	57.11 4.91 0.00	50.59 4.17 -0.33
FRESHKLS_33_KV_LOAD 356253	45.17 3.20 0.00	39.16 2.65 0.00	38.00 2.52 0.00	36.12 2.30 0.00	34.38 2.26 -0.01	36.37 2.28 -0.06	41.14 3.10 0.00	44.99 3.77 0.00	42.43 3.80 0.00	49.46 4.31 0.00	55.25 5.32 0.00	55.12 5.97 -0.08	54.26 5.51 -5.17	61.78 5.91 -5.52	77.53 4.90 -29.38	91.58 5.81 -37.11	114.41 5.60 -60.87	94.66 6.14 -36.88	103.31 8.63 -15.17	92.84 8.08 -9.03	97.44 8.12 -5.58	64.63 5.42 0.00	57.70 4.78 -0.73	50.27 3.84 -0.33
FULTON COGEN____ 23766	41.04 -0.92 0.00	35.66 -0.85 0.00	34.66 -0.82 0.00	32.98 -0.84 0.00	31.31 -0.80 0.00	32.38 -0.82 0.81	35.56 -0.89 1.60	39.46 -0.96 0.80	37.45 -0.87 0.31	49.37 -1.04 -5.26	55.45 -1.14 -6.65	53.27 -1.27 -5.47	45.12 -1.12 -2.67	53.78 -1.36 -4.79	44.54 -1.03 -2.32	52.10 -1.13 -4.57	50.99 -1.15 -4.20	55.97 -1.03 -5.36	93.27 -1.46 -15.23	92.20 -0.96 -17.43	103.06 -1.03 -20.36	67.98 -1.07 -9.84	58.13 -1.14 -7.08	44.96 -1.13 0.01
FULTON___LFGE 323630	44.01 2.05 0.00	38.23 1.72 0.00	37.12 1.64 0.00	35.34 1.52 0.00	33.64 1.51 0.00	35.85 1.78 -0.06	40.05 2.00 0.00	42.64 1.42 0.00	39.71 1.08 0.00	46.47 1.33 0.00	51.14 1.20 0.00	50.07 1.00 0.00	44.02 0.44 0.00	51.22 0.88 0.00	45.14 1.57 -0.31	49.41 0.75 0.00	48.73 0.79 0.00	52.80 1.16 0.00	82.40 4.34 0.00	80.08 5.41 0.00	89.15 3.58 0.00	62.80 3.58 0.00	55.15 2.95 0.00	48.74 2.34 -0.30
G.F.CEMENT___DRP 24184	44.36 2.40 0.00	38.41 1.90 0.00	37.38 1.90 0.00	35.63 1.82 0.00	33.81 1.69 0.00	36.13 2.10 0.00	40.48 2.44 0.00	43.64 2.42 0.00	40.59 1.96 0.00	47.22 2.08 0.00	52.49 2.55 0.00	51.87 2.80 0.00	45.64 2.17 0.10	52.92 2.58 0.00	45.75 2.50 0.00	51.82 3.16 0.00	51.16 3.22 0.00	55.20 3.56 0.00	85.17 5.67 0.00	81.16 5.42 0.00	89.74 6.00 0.00	63.41 4.20 0.00	55.76 3.56 0.00	49.06 2.97 0.00
GARDENVILLE___LBMP 24039	21.25 -2.36 18.35	34.09 -2.37 0.05	33.49 -1.99 0.00	31.64 -2.18 0.00	29.68 -2.41 0.02	23.27 -2.38 8.38	14.76 -2.29 21.00	19.66 -1.64 19.92	23.98 -1.29 13.37	43.05 -1.38 0.71	27.34 -1.11 21.49	24.33 -1.70 23.04	19.50 -2.06 22.02	24.85 -2.19 23.30	19.93 -1.63 21.70	23.88 -1.95 22.83	22.07 -2.39 23.48	25.81 -2.13 23.69	44.14 -3.34 32.02	46.35 -2.74 26.65	59.62 -2.71 21.40	29.55 -2.99 26.67	24.60 -2.81 24.79	19.79 -2.68 23.62
GARDNVLA_35_KV_LD 355827	23.62 -2.26 16.09	34.21 -2.26 0.04	33.60 -1.88 0.00	31.75 -2.07 0.00	29.79 -2.31 0.02	24.35 -2.28 7.39	17.42 -2.22 18.41	22.22 -1.54 17.47	25.73 -1.16 11.74	43.31 -1.21 0.62	30.12 -0.94 18.88	27.33 -1.50 20.24	22.35 -1.90 19.32	27.90 -2.01 20.44	22.61 -1.47 19.17	26.88 -1.75 20.03	25.19 -2.18 20.57	29.02 -1.87 20.75	48.53 -2.93 28.05	50.02 -2.37 23.34	62.67 -2.31 18.75	33.12 -2.74 23.36	27.91 -2.62 21.67	22.74 -2.52 20.84
GELCKHM___115KV_LOAD 80723	41.72 -0.24 0.00	36.24 -0.27 0.00	35.22 -0.26 0.00	33.51 -0.30 0.00	31.80 -0.32 0.01	33.65 -0.30 0.07	37.76 -0.28 0.00	40.92 -0.30 0.00	38.74 -0.23 -0.33	46.68 -0.30 -1.84	51.96 -0.30 -2.33	50.78 -0.46 -2.18	44.71 -0.42 -1.55	52.17 -0.53 -2.35	44.09 -0.32 -1.16	50.66 -0.27 -2.26	49.76 -0.31 -2.13	54.09 -0.11 -2.57	85.57 -0.06 -6.13	82.21 0.37 -6.10	91.21 0.41 -7.06	62.71 -0.11 -3.61	54.49 -0.31 -2.60	45.57 -0.41 0.11
GENERAL___MILLS 23808	22.94 -2.32 16.71	34.14 -2.33 0.04	33.55 -1.93 0.00	31.70 -2.12 0.00	29.74 -2.36 0.02	24.04 -2.32 7.66	16.69 -2.25 19.11	21.50 -1.59 18.13	25.22 -1.23 12.18	43.20 -1.30 0.65	29.31 -1.04 19.59	26.47 -1.60 21.00	21.53 -2.00 20.05	27.01 -2.12 21.22	21.82 -1.57 19.86	26.00 -1.87 20.79	24.28 -2.30 21.36	28.08 -2.01 21.55	47.22 -3.16 29.12	48.91 -2.59 24.24	61.75 -2.51 19.47	32.07 -2.89 24.25	26.97 -2.72 22.51	21.90 -2.60 21.60
GE_PLASTICS___DRP 24183	43.18 1.22 0.00	37.68 1.16 0.00	36.62 1.14 0.00	34.87 1.05 0.00	33.16 1.04 0.00	35.12 1.10 0.00	39.30 1.25 0.00	42.53 1.31 0.00	39.76 1.13 0.00	46.12 0.97 0.00	50.89 0.96 0.00	50.12 1.05 0.00	44.23 0.76 0.11	51.20 0.86 0.00	44.31 1.06 0.00	49.87 1.20 0.00	49.21 1.27 0.00	30.52 1.22 22.33	80.89 1.38 0.00	77.03 1.29 0.00	84.87 1.14 0.00	60.09 0.88 0.00	53.02 0.82 0.00	46.85 0.76 0.00
GILBOA___1 23756	43.33 1.37 0.00	38.01 1.50 0.00	37.00 1.52 0.00	35.22 1.41 0.00	33.49 1.36 -0.01	35.53 1.44 -0.07	39.57 1.52 0.00	42.78 1.56 0.00	40.14 1.50 0.00	46.71 1.57 0.00	51.80 1.86 0.00	51.14 2.07 0.00	45.38 1.80 0.00	52.32 1.98 0.00	45.58 1.94 -0.39	50.91 2.25 0.00	49.99 2.05 0.00	53.83 2.20 0.00	81.96 2.45 0.00	78.12 2.38 0.00	86.08 2.34 0.00	61.02 1.81 0.00	53.89 1.69 0.00	47.81 1.34 -0.38
GILBOA___2 23757	43.33 1.37 0.00	38.01 1.50 0.00	37.00 1.52 0.00	35.22 1.41 0.00	33.49 1.36 -0.01	35.53 1.44 -0.07	39.57 1.52 0.00	42.78 1.56 0.00	40.14 1.50 0.00	46.71 1.57 0.00	51.80 1.86 0.00	51.14 2.07 0.00	45.38 1.80 0.00	52.32 1.98 0.00	45.58 1.94 -0.39	50.91 2.25 0.00	49.99 2.05 0.00	53.83 2.20 0.00	81.96 2.45 0.00	78.12 2.38 0.00	86.08 2.34 0.00	61.02 1.81 0.00	53.89 1.69 0.00	47.81 1.34 -0.38
GILBOA___3 23758	43.33 1.37 0.00	38.01 1.50 0.00	37.00 1.52 0.00	35.22 1.41 0.00	33.49 1.36 -0.01	35.53 1.44 -0.07	39.57 1.52 0.00	42.78 1.56 0.00	40.14 1.50 0.00	46.71 1.57 0.00	51.80 1.86 0.00	51.14 2.07 0.00	45.38 1.80 0.00	52.32 1.98 0.00	45.58 1.94 -0.39	50.91 2.25 0.00	49.99 2.05 0.00	53.83 2.20 0.00	81.96 2.45 0.00	78.12 2.38 0.00	86.08 2.34 0.00	61.02 1.81 0.00	53.89 1.69 0.00	47.81 1.34 -0.38

GILBOA___4 23759	43.33 1.37 0.00	38.01 1.50 0.00	37.00 1.52 0.00	35.22 1.41 0.00	33.49 1.36 -0.01	35.53 1.44 -0.07	39.57 1.52 0.00	42.78 1.56 0.00	40.14 1.50 0.00	46.71 1.57 0.00	51.80 1.86 0.00	51.14 2.07 0.00	45.38 1.80 0.00	52.32 1.98 0.00	45.58 1.94 -0.39	50.91 2.25 0.00	49.99 2.05 0.00	53.83 2.20 0.00	81.96 2.45 0.00	78.12 2.38 0.00	86.08 2.34 0.00	61.02 1.81 0.00	53.89 1.69 0.00	47.81 1.34 -0.38
GILBOA____ 23599	43.34 1.38 0.00	38.01 1.50 0.00	37.00 1.52 0.00	35.22 1.40 0.00	33.49 1.36 -0.01	35.53 1.44 -0.07	39.57 1.53 0.00	42.78 1.56 0.00	40.14 1.51 0.00	46.71 1.57 0.00	51.80 1.86 0.00	51.14 2.08 0.00	45.38 1.80 0.00	52.33 1.98 0.00	45.57 1.93 -0.39	50.90 2.24 0.00	50.00 2.06 0.00	53.84 2.20 0.00	81.99 2.49 0.00	78.13 2.40 0.00	86.09 2.35 0.00	61.03 1.83 0.00	53.90 1.70 0.00	47.82 1.34 -0.38
GINNA____ 23603	39.71 -2.25 0.00	34.34 -2.17 0.00	33.39 -2.09 0.00	31.69 -2.12 0.00	29.99 -2.12 0.01	31.75 -2.13 0.14	35.87 -2.18 0.00	39.17 -2.05 0.00	36.83 -1.80 0.00	43.06 -2.08 0.00	47.79 -2.15 0.00	46.66 -2.41 0.00	41.13 -2.44 0.00	47.65 -2.70 0.00	40.21 -2.24 0.80	46.31 -2.35 0.00	45.65 -2.29 0.00	49.60 -2.04 0.00	76.77 -2.74 0.00	73.42 -2.32 0.00	81.15 -2.59 0.00	56.67 -2.54 0.00	49.62 -2.58 0.00	42.79 -2.54 0.77
GLEN PARK____ 23778	41.06 -0.90 0.00	34.99 -1.52 0.01	34.06 -1.42 0.00	32.40 -1.41 0.00	30.83 -1.29 0.00	16.86 -1.59 15.57	3.71 -1.54 32.79	23.39 -1.41 16.42	11.56 -1.35 25.73	45.59 -1.18 -1.63	50.67 -1.33 -2.06	31.71 -2.95 14.42	5.12 -2.72 35.73	8.40 -3.23 38.72	4.89 -2.75 35.61	7.51 -3.20 37.96	7.29 -2.79 37.87	9.53 -2.45 39.65	32.32 -2.49 44.69	78.08 0.72 -1.62	91.59 1.62 -6.23	49.86 -0.33 9.02	45.39 -0.11 6.70	35.84 -0.89 9.37
GLENDALE_27_KV_LOAD 356172	45.11 3.14 0.00	39.08 2.56 0.00	37.93 2.45 0.00	36.05 2.23 0.00	34.32 2.20 -0.01	36.33 2.25 -0.06	41.13 3.08 0.00	44.95 3.73 0.00	42.40 3.77 0.00	49.46 4.32 0.00	55.32 5.39 0.00	55.17 6.03 -0.08	54.30 5.55 -5.17	61.89 6.02 -5.52	77.83 5.20 -29.38	91.80 6.03 -37.11	114.63 5.82 -60.87	94.95 6.43 -36.88	89.03 8.69 -0.84	79.71 7.91 3.94	89.43 8.13 2.43	64.68 5.47 0.00	56.99 4.79 0.00	50.37 3.95 -0.33
GLENWOOD_IC_1_G5 23712	45.47 3.40 -0.10	39.29 2.78 0.00	38.07 2.58 0.00	36.16 2.34 0.00	34.45 2.32 -0.01	36.52 2.44 -0.06	41.26 3.21 0.00	44.99 3.77 0.00	42.32 3.69 0.00	49.03 3.89 0.00	55.79 5.40 -0.45	58.75 6.05 -3.63	83.66 5.47 -34.61	61.73 5.87 -5.51	85.24 5.30 -36.68	101.57 6.17 -46.74	136.28 6.08 -82.27	177.67 6.71 -119.32	144.17 9.04 -55.63	102.96 8.22 -19.00	101.65 8.46 -9.46	66.22 5.38 -1.64	56.65 4.45 0.00	50.41 3.99 -0.33
GLENWOOD_IC_2_G1 23688	45.21 3.14 -0.10	39.09 2.58 0.00	37.89 2.40 0.00	36.01 2.20 0.00	34.30 2.18 -0.01	36.35 2.27 -0.06	41.04 2.99 0.00	44.76 3.54 0.00	42.13 3.50 0.00	49.03 3.89 0.00	55.42 5.04 -0.45	58.32 5.61 -3.63	83.27 5.09 -34.61	61.41 5.56 -5.51	81.12 5.07 -32.80	96.32 5.90 -41.76	125.51 5.80 -71.77	148.96 6.42 -90.91	121.31 8.63 -33.18	93.75 7.89 -10.13	95.59 8.12 -3.73	64.47 5.26 0.00	56.58 4.38 0.00	50.11 3.69 -0.33
GLENWOOD_IC_3_G1 23689	45.21 3.14 -0.10	39.09 2.58 0.00	37.89 2.40 0.00	36.01 2.20 0.00	34.30 2.18 -0.01	36.35 2.27 -0.06	41.04 2.99 0.00	44.76 3.54 0.00	42.13 3.50 0.00	49.03 3.89 0.00	55.42 5.04 -0.45	58.32 5.61 -3.63	83.27 5.09 -34.61	61.41 5.56 -5.51	81.12 5.07 -32.80	96.32 5.90 -41.76	125.51 5.80 -71.77	148.96 6.42 -90.91	121.31 8.63 -33.18	93.75 7.89 -10.13	95.59 8.12 -3.73	64.47 5.26 0.00	56.58 4.38 0.00	50.11 3.69 -0.33
GLENWOOD___4 23550	45.47 3.40 -0.10	39.29 2.78 0.00	38.07 2.58 0.00	36.16 2.34 0.00	34.45 2.32 -0.01	36.52 2.44 -0.06	41.26 3.21 0.00	44.99 3.77 0.00	42.33 3.69 0.00	49.14 4.00 0.00	55.81 5.42 -0.45	58.75 6.05 -3.63	83.66 5.47 -34.61	61.78 5.92 -5.51	85.32 5.38 -36.68	101.69 6.28 -46.74	136.41 6.20 -82.27	177.79 6.84 -119.32	144.36 9.23 -55.63	103.15 8.41 -19.00	101.85 8.66 -9.46	66.37 5.53 -1.64	56.77 4.57 0.00	50.41 3.99 -0.33
GLENWOOD___5 23614	45.47 3.40 -0.10	39.29 2.78 0.00	38.07 2.58 0.00	36.16 2.34 0.00	34.45 2.32 -0.01	36.52 2.44 -0.06	41.26 3.21 0.00	44.99 3.77 0.00	42.33 3.69 0.00	49.14 4.00 0.00	55.81 5.42 -0.45	58.75 6.05 -3.63	83.66 5.47 -34.61	61.78 5.92 -5.51	85.32 5.38 -36.68	101.69 6.28 -46.74	136.41 6.20 -82.27	177.79 6.84 -119.32	144.36 9.23 -55.63	103.15 8.41 -19.00	101.85 8.66 -9.46	66.37 5.53 -1.64	56.77 4.57 0.00	50.41 3.99 -0.33
GLOBAL GREEN_PORT_GT1 23814	45.93 3.87 -0.10	39.30 2.79 0.00	37.98 2.49 0.00	36.03 2.22 0.00	34.53 2.41 -0.01	36.50 2.42 -0.06	41.35 3.30 0.00	44.98 3.76 0.00	41.83 3.19 0.00	48.32 3.18 0.00	54.84 4.45 -0.45	57.74 5.03 -3.63	82.92 4.74 -34.61	60.14 4.99 -4.81	72.46 4.81 -24.39	82.30 5.43 -28.20	94.09 5.71 -40.44	102.93 6.53 -44.77	86.16 9.12 2.45	88.10 8.60 -3.76	92.07 8.72 0.39	63.14 5.11 1.18	56.08 3.88 0.00	49.70 3.27 -0.33
GLOBE___DSASP 323697	25.92 -3.18 12.86	33.26 -3.22 0.03	32.66 -2.82 0.00	30.89 -2.92 0.00	29.09 -3.01 0.02	25.16 -2.97 5.89	20.30 -3.01 14.74	24.78 -2.47 13.98	27.17 -2.13 9.34	42.28 -2.36 0.50	32.93 -2.02 14.99	30.37 -2.63 16.06	25.20 -2.98 15.40	30.71 -3.32 16.31	25.01 -2.73 15.51	29.12 -3.45 16.09	27.45 -3.85 16.65	31.16 -3.64 16.83	51.05 -5.68 22.77	49.20 -5.10 21.44	44.07 -5.20 34.47	34.89 -4.72 19.60	30.76 -4.04 17.40	25.78 -3.53 16.79
GOETHSLN___LBMP 323567	44.74 2.78 0.00	38.76 2.25 0.00	37.60 2.12 0.00	35.74 1.93 0.00	34.03 1.90 -0.01	36.04 1.96 -0.06	40.75 2.70 0.00	44.51 3.29 0.00	41.99 3.35 0.00	48.95 3.81 0.00	54.74 4.81 0.00	54.60 5.45 -0.08	53.76 5.01 -5.17	61.42 5.55 -5.52	77.49 4.84 -29.39	91.44 5.64 -37.13	114.35 5.51 -60.91	94.69 6.15 -36.91	107.14 8.06 -19.58	92.04 7.26 -9.04	96.82 7.50 -5.59	64.29 5.08 0.00	56.57 4.38 0.00	49.99 3.56 -0.33
GOLAH___69_KV_TB 1_2 80279	39.57 -0.51 1.89	35.74 -0.76 0.00	34.84 -0.64 0.00	33.00 -0.82 0.00	31.18 -0.92 0.01	32.20 -0.82 1.00	35.25 -0.64 2.16	39.03 -0.13 2.07	37.25 0.01 1.40	45.09 0.02 0.07	47.76 0.07 2.25	46.34 -0.32 2.40	40.51 -0.78 2.29	47.18 -0.75 2.42	39.77 -0.48 3.00	45.95 -0.35 2.37	44.83 -0.68 2.43	49.03 -0.15 2.45	76.41 0.21 3.31	73.80 0.79 2.73	82.68 1.14 2.19	56.36 -0.11 2.74	49.30 -0.38 2.52	42.37 -0.59 3.14
GOODYEAR_LAKE_HYD 323669	43.26 1.29 0.00	37.70 1.19 0.00	36.63 1.15 0.00	34.87 1.05 0.00	33.20 1.07 -0.01	35.39 1.22 -0.15	39.51 1.46 0.00	42.79 1.56 0.00	40.27 1.64 0.00	46.99 1.85 0.00	52.04 2.11 0.00	51.62 2.11 -0.44	46.01 1.92 -0.52	52.99 2.10 -0.54	46.45 1.98 -1.21	51.40 2.22 -0.52	49.95 1.94 -0.07	54.03 2.40 0.00	83.13 3.63 0.00	79.66 3.93 0.00	87.84 4.11 0.00	61.76 2.55 0.00	54.23 2.03 0.00	48.43 1.51 -0.83

GOUDEY___7 345031	42.19 0.23 0.00	36.71 0.19 0.00	35.74 0.25 0.00	33.98 0.17 0.00	32.24 0.07 -0.05	34.77 0.17 -0.58	38.45 0.41 0.00	41.81 0.59 0.00	39.54 0.71 -0.19	46.94 0.73 -1.07	52.13 0.84 -1.35	51.22 0.86 -1.30	45.44 0.77 -1.09	52.70 0.95 -1.41	48.40 0.99 -1.46	51.38 1.37 -1.35	50.21 1.00 -1.27	54.43 1.26 -1.54	85.04 1.88 -3.66	81.62 2.23 -3.65	90.27 2.31 -4.22	62.37 1.00 -2.16	54.33 0.58 -1.56	49.64 0.28 -3.27
GOUDEY___8 23579	42.19 0.23 0.00	36.71 0.19 0.00	35.74 0.25 0.00	33.98 0.17 0.00	32.24 0.07 -0.05	34.77 0.17 -0.58	38.45 0.41 0.00	41.81 0.59 0.00	39.54 0.71 -0.19	46.94 0.73 -1.07	52.13 0.84 -1.35	51.22 0.86 -1.30	45.44 0.77 -1.09	52.70 0.95 -1.41	48.40 0.99 -1.46	51.38 1.37 -1.35	50.21 1.00 -1.27	54.43 1.26 -1.54	85.04 1.88 -3.66	81.62 2.23 -3.65	90.27 2.31 -4.22	62.37 1.00 -2.16	54.33 0.58 -1.56	49.64 0.28 -3.27
GOUDEY___8 23580	42.19 0.23 0.00	36.71 0.19 0.00	35.74 0.25 0.00	33.98 0.17 0.00	32.24 0.07 -0.05	34.77 0.17 -0.58	38.45 0.41 0.00	41.81 0.59 0.00	39.54 0.71 -0.19	46.94 0.73 -1.07	52.13 0.84 -1.35	51.22 0.86 -1.30	45.44 0.77 -1.09	52.70 0.95 -1.41	48.40 0.99 -1.46	51.38 1.37 -1.35	50.21 1.00 -1.27	54.43 1.26 -1.54	85.04 1.88 -3.66	81.62 2.23 -3.65	90.27 2.31 -4.22	62.37 1.00 -2.16	54.33 0.58 -1.56	49.64 0.28 -3.27
GOWANUS_GT1_1 24077	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT1_2 24078	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT1_3 24079	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT1_4 24080	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT1_5 24084	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT1_6 24111	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT1_7 24112	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT1_8 24113	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT2_1 24114	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT2_2 24115	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT2_3 24116	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT2_4 24117	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33

GOWANUS_GT2_5 24118	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT2_6 24119	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT2_7 24120	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT2_8 24121	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_1 24122	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_2 24123	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_3 24124	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_4 24125	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_5 24126	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_6 24127	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_7 24128	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT3_8 24129	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
GOWANUS_GT4_1 24130	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT4_2 24131	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT4_3 24132	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33

GOWANUS_GT4_4 24133	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT4_5 24134	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT4_6 24135	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT4_7 24136	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GOWANUS_GT4_8 24137	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GREENBSH_115KV_TB3 55895	43.10 1.14 0.00	37.60 1.09 0.00	36.55 1.07 0.00	34.81 1.00 0.00	33.11 0.99 0.00	35.07 1.05 0.00	39.23 1.18 0.00	42.45 1.23 0.00	39.63 1.00 0.00	46.00 0.86 0.00	50.84 0.90 0.00	50.17 1.11 0.00	44.32 0.86 0.12	51.36 1.01 0.00	44.48 1.23 0.00	50.05 1.39 0.00	49.47 1.53 0.00	53.18 1.55 0.00	81.29 1.79 0.00	77.38 1.64 0.00	85.22 1.49 0.00	60.34 1.13 0.00	53.20 1.00 0.00	46.94 0.85 0.00
GREENDGE_115KV_TB5 80291	61.59 -0.31 -19.94	36.24 -0.32 -0.05	35.38 -0.10 0.00	33.61 -0.20 0.00	31.63 -0.45 0.04	41.94 -0.48 -8.40	60.75 -0.10 -22.80	63.33 0.30 -21.80	53.89 0.47 -14.79	47.18 0.32 -1.72	74.67 0.09 -24.65	74.61 -0.38 -25.92	67.83 -0.34 -24.60	76.06 -0.59 -26.32	63.52 -0.21 -20.47	74.76 0.34 -25.76	74.44 0.05 -26.45	78.68 0.10 -26.94	118.04 0.71 -37.83	109.72 1.70 -32.28	112.85 1.99 -27.13	90.65 0.51 -30.93	80.80 0.12 -28.48	68.12 -0.29 -22.32
GREENIDGE___3 23582	61.59 -0.31 -19.94	36.24 -0.32 -0.05	35.38 -0.10 0.00	33.61 -0.20 0.00	31.63 -0.45 0.04	41.94 -0.48 -8.40	60.75 -0.10 -22.80	63.33 0.30 -21.80	53.89 0.47 -14.79	47.18 0.32 -1.72	74.67 0.09 -24.65	74.61 -0.38 -25.92	67.83 -0.34 -24.60	76.06 -0.59 -26.32	63.52 -0.21 -20.47	74.76 0.34 -25.76	74.44 0.05 -26.45	78.68 0.10 -26.94	118.04 0.71 -37.83	109.72 1.70 -32.28	112.85 1.99 -27.13	90.65 0.51 -30.93	80.80 0.12 -28.48	68.12 -0.29 -22.32
GREENIDGE___4 23583	61.61 -0.30 -19.94	36.24 -0.32 -0.05	35.38 -0.10 0.00	33.61 -0.20 0.00	31.62 -0.46 0.04	41.93 -0.49 -8.40	60.78 -0.07 -22.80	63.33 0.31 -21.80	53.89 0.47 -14.79	47.17 0.32 -1.72	74.68 0.09 -24.65	74.60 -0.38 -25.92	67.84 -0.33 -24.60	76.09 -0.57 -26.32	63.50 -0.23 -20.47	74.73 0.31 -25.76	74.43 0.04 -26.45	78.69 0.11 -26.94	118.07 0.73 -37.83	109.72 1.70 -32.28	112.86 1.99 -27.13	90.65 0.52 -30.93	80.82 0.15 -28.48	68.11 -0.30 -22.32
GREENLWN_69_KV_BK 3 55738	45.54 3.47 -0.10	39.37 2.86 0.00	38.10 2.62 0.00	36.15 2.34 0.00	34.51 2.39 -0.01	36.57 2.49 -0.06	41.35 3.30 0.00	44.98 3.76 0.00	42.12 3.48 0.00	48.95 3.81 0.00	55.57 5.19 -0.45	58.39 5.69 -3.63	83.39 5.21 -34.61	61.78 5.46 -5.97	82.55 5.14 -34.15	99.97 5.98 -45.33	135.07 6.01 -81.12	148.95 6.67 -90.65	120.96 9.04 -32.42	88.73 8.25 -4.73	92.36 8.38 -0.25	63.37 5.16 0.99	56.32 4.12 0.00	50.00 3.58 -0.33
GREENWD_138_KV_38B11_REV_LBMP_J 345004	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33
GRISSOM___SOLAR 323813	44.06 2.10 0.00	38.29 1.78 0.00	37.17 1.69 0.00	35.39 1.57 0.00	33.68 1.55 0.00	35.88 1.80 -0.05	40.03 1.98 0.00	42.60 1.38 0.00	39.65 1.02 0.00	46.35 1.21 0.00	51.01 1.07 0.00	50.00 0.93 0.00	43.97 0.39 0.00	51.19 0.85 0.00	45.11 1.55 -0.30	49.39 0.72 0.00	48.82 0.88 0.00	52.79 1.15 0.00	82.34 2.84 0.00	79.99 4.25 0.00	89.08 5.35 0.00	62.78 3.57 0.00	55.16 2.97 0.00	48.74 2.36 -0.29
GROVEVILLE___HYD 323602	45.02 3.06 0.00	39.10 2.59 0.00	37.94 2.45 0.00	36.07 2.25 0.00	34.31 2.18 -0.01	36.40 2.32 -0.06	41.00 2.95 0.00	44.69 3.46 0.00	42.09 3.46 0.00	48.95 3.81 0.00	54.64 4.70 0.00	54.38 5.26 -0.05	49.25 4.75 -0.92	59.02 5.35 -3.34	65.73 4.93 -17.55	76.50 5.85 -21.99	89.81 5.79 -36.08	79.85 6.36 -21.86	92.03 8.66 -3.87	83.74 8.01 0.00	92.04 8.31 0.00	64.67 5.46 0.00	56.76 4.56 0.00	50.08 3.66 -0.33
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	42.00 0.04 0.00	36.49 -0.02 0.00	35.46 -0.02 0.00	33.75 -0.07 0.00	32.02 -0.09 0.01	33.89 -0.05 0.08	38.05 0.00 0.00	41.20 -0.03 0.00	39.20 0.04 -0.52	48.02 0.00 -2.87	53.59 0.02 -3.63	52.32 -0.15 -3.39	45.91 -0.08 -2.42	53.84 -0.17 -3.67	45.23 0.02 -1.95	52.31 0.13 -3.52	51.33 0.07 -3.32	55.96 0.31 -4.01	89.62 0.56 -9.55	86.26 1.00 -9.52	95.84 1.09 -11.01	65.20 0.35 -5.63	56.33 0.08 -4.06	45.96 -0.12 0.02
HAMLTNNY_34_KV_TB 80303	42.13 0.17 0.00	36.59 0.08 0.00	35.55 0.06 0.00	33.84 0.02 0.00	32.08 -0.03 0.01	33.96 0.03 0.09	38.16 0.11 0.00	41.30 0.08 0.00	39.33 0.17 -0.52	48.16 0.15 -2.88	53.74 0.16 -3.64	52.35 -0.10 -3.39	45.98 -0.01 -2.42	53.81 -0.19 -3.66	45.13 -0.01 -1.88	52.31 0.13 -3.52	51.35 0.10 -3.31	56.03 0.39 -4.00	89.74 0.71 -9.54	86.55 1.31 -9.50	96.26 1.54 -10.99	65.44 0.61 -5.62	56.53 0.28 -4.05	46.02 0.01 0.09

HAMPSHIRE___PAPER_HYD 323593	40.23 -1.73 0.00	34.48 -2.02 0.01	33.51 -1.97 0.00	32.01 -1.81 0.00	30.46 -1.66 0.00	15.54 -2.01 16.46	1.02 -2.36 34.67	21.35 -2.52 17.36	8.85 -2.40 27.39	43.38 -2.48 -0.71	47.94 -2.90 16.45	28.78 -3.84 38.65	1.39 -3.54 42.24	4.13 -3.97 38.51	1.20 -3.55 41.38	3.26 -4.02 41.22	3.01 -3.71 43.35	4.55 -3.74 50.52	24.14 -4.84 1.62	71.46 -2.65 1.62	84.17 -2.15 -2.58	45.76 -2.28 11.17	42.00 -1.94 8.25	34.51 -1.85 9.73
HARDSCRABBLE_WT_PWR 323673	44.10 2.14 0.00	38.39 1.88 0.00	37.27 1.79 0.00	35.59 1.78 0.00	34.04 1.92 0.00	37.88 2.23 -1.63	44.16 2.69 -3.42	45.32 2.39 -1.71	43.08 1.73 -2.71	47.12 1.98 0.00	51.54 1.60 0.00	52.85 2.07 -1.71	48.25 0.80 -3.87	56.22 1.62 -4.26	49.29 2.17 -3.86	54.67 1.84 -4.17	53.84 1.75 -4.15	58.43 2.42 -4.38	89.36 4.61 -5.25	81.63 5.48 -0.41	89.98 6.24 0.00	64.67 4.14 -1.33	56.31 3.13 -0.98	49.61 2.48 -1.05
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	44.80 2.83 0.00	38.88 2.37 0.00	37.71 2.22 0.00	35.85 2.03 0.00	34.08 1.95 -0.01	36.16 2.07 -0.07	40.75 2.70 0.00	44.43 3.20 0.00	41.94 3.31 0.00	48.82 3.68 0.00	54.56 4.63 0.00	54.55 5.22 -0.27	55.50 4.77 -7.16	75.10 5.31 -19.44	150.72 4.89 -102.57	185.00 5.72 -130.62	267.91 5.68 -214.29	187.74 6.26 -129.84	110.85 8.38 -22.97	83.43 7.69 0.00	91.63 7.90 0.00	64.35 5.14 0.00	56.46 4.26 0.00	49.88 3.42 -0.36
HARSNRAD_115KV_TB1 81005	26.67 -2.64 12.65	33.66 -2.82 0.03	33.06 -2.42 0.00	31.24 -2.57 0.00	29.41 -2.69 0.02	25.59 -2.57 5.86	21.04 -2.55 14.46	25.59 -1.91 13.73	27.74 -1.63 9.26	42.76 -1.89 0.49	33.51 -1.50 14.92	30.91 -2.16 15.99	25.79 -2.56 15.23	31.48 -2.77 16.09	25.81 -2.24 15.21	30.06 -2.83 15.78	28.42 -3.24 16.28	32.24 -2.96 16.44	52.58 -4.70 22.22	53.24 -4.01 18.49	64.90 -3.98 14.85	36.91 -3.81 18.50	31.82 -3.31 17.07	26.57 -2.91 16.61
HARZA MOOSE___RIVER 24016	42.14 0.17 0.00	36.04 -0.47 0.00	35.03 -0.45 0.00	33.40 -0.42 0.00	31.76 -0.36 0.00	33.51 -0.51 0.00	37.63 -0.42 0.00	40.79 -0.44 0.00	38.43 -0.34 -0.14	45.77 -0.12 -0.75	50.83 -0.05 -0.95	48.82 -1.14 -0.89	42.90 -1.31 -0.63	50.00 -1.31 -0.96	42.63 -1.25 -0.63	48.38 -1.21 -0.93	47.93 -0.88 -0.87	52.08 -0.61 -1.05	81.91 -0.10 -2.51	79.96 1.77 -2.45	89.10 2.53 -2.84	61.33 0.66 -1.45	53.77 0.53 -1.05	46.33 0.13 -0.11
HDSNBRDG_115KV_BRDG_TB1 355580	41.73 -0.24 0.00	36.25 -0.26 0.00	35.24 -0.24 0.00	33.52 -0.29 0.00	31.80 -0.31 0.01	33.67 -0.29 0.06	37.78 -0.26 0.00	40.98 -0.25 0.00	38.74 -0.17 -0.28	46.45 -0.23 -1.53	51.66 -0.21 -1.94	50.54 -0.34 -1.82	44.58 -0.29 -1.30	51.92 -0.39 -1.97	43.98 -0.20 -0.93	50.43 -0.12 -1.89	49.55 -0.17 -1.78	53.81 0.03 -2.15	84.73 0.11 -5.12	81.30 0.46 -5.10	90.07 0.44 -5.89	62.14 -0.08 -3.01	54.07 -0.30 -2.17	45.57 0.12
HELLGATE_13_KV_LD 55870	45.20 3.24 0.00	39.16 2.65 0.00	38.01 2.53 0.00	36.14 2.33 0.00	34.41 2.29 -0.01	36.41 2.33 -0.06	41.22 3.18 0.00	45.06 3.83 0.00	42.51 3.88 0.00	49.56 4.42 0.00	55.44 5.50 0.00	55.31 6.17 -0.08	54.40 5.65 -5.17	61.99 6.12 -5.52	77.95 5.31 -29.38	91.94 6.17 -37.11	114.76 5.95 -60.87	95.10 6.58 -36.88	91.18 8.94 -2.74	81.30 8.19 2.63	90.48 8.37 1.62	64.85 5.64 0.00	57.14 4.94 0.00	50.49 4.07 -0.33
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	45.20 3.24 0.00	39.16 2.65 0.00	38.01 2.53 0.00	36.14 2.33 0.00	34.41 2.29 -0.01	36.41 2.33 -0.06	41.22 3.18 0.00	45.06 3.83 0.00	42.51 3.88 0.00	49.56 4.42 0.00	55.44 5.50 0.00	55.31 6.17 -0.08	54.40 5.65 -5.17	61.99 6.12 -5.52	77.95 5.31 -29.38	91.94 6.17 -37.11	114.76 5.95 -60.87	95.10 6.58 -36.88	91.18 8.94 -2.74	81.30 8.19 2.63	90.48 8.37 1.62	64.85 5.64 0.00	57.14 4.94 0.00	50.49 4.07 -0.33
HEMPSTEAD____ 23647	45.43 3.36 -0.10	39.22 2.71 0.00	37.96 2.48 0.00	36.05 2.24 0.00	34.38 2.26 -0.01	36.44 2.36 -0.06	41.16 3.11 0.00	44.88 3.66 0.00	42.18 3.54 0.00	49.03 3.89 0.00	55.66 5.28 -0.45	58.55 5.85 -3.63	83.49 5.30 -34.61	61.45 5.60 -5.51	85.69 5.31 -37.12	102.27 6.31 -47.30	137.69 6.30 -83.45	181.12 6.96 -122.52	147.15 9.48 -58.16	104.43 8.69 -20.00	102.83 8.99 -10.11	66.53 5.49 -1.82	56.67 4.48 0.00	50.31 3.88 -0.33
HICKLING___1 23621	48.41 -0.76 -7.20	35.90 -0.63 -0.02	35.17 -0.31 0.00	33.42 -0.39 0.00	31.32 -0.74 0.06	35.62 -0.77 -2.37	45.78 -0.27 -8.01	49.41 0.06 -8.13	44.58 0.33 -5.62	46.58 0.23 -1.21	59.83 0.15 -9.75	57.60 0.02 -8.51	51.62 0.06 -7.98	58.99 -0.04 -8.69	47.52 0.43 -3.84	58.17 1.01 -8.49	56.93 0.37 -8.62	60.99 0.44 -8.92	93.67 0.73 -13.44	90.56 1.35 -13.47	97.44 1.44 -12.27	71.00 -0.05 -11.84	63.12 -0.39 -11.31	50.97 -0.70 -5.58
HICKLING___2 23622	48.41 -0.76 -7.20	35.90 -0.63 -0.02	35.17 -0.31 0.00	33.42 -0.39 0.00	31.32 -0.74 0.06	35.62 -0.77 -2.37	45.78 -0.27 -8.01	49.41 0.06 -8.13	44.58 0.33 -5.62	46.58 0.23 -1.21	59.83 0.15 -9.75	57.60 0.02 -8.51	51.62 0.06 -7.98	58.99 -0.04 -8.69	47.52 0.43 -3.84	58.17 1.01 -8.49	56.93 0.37 -8.62	60.99 0.44 -8.92	93.67 0.73 -13.44	90.56 1.35 -13.47	97.44 1.44 -12.27	71.00 -0.05 -11.84	63.12 -0.39 -11.31	50.97 -0.70 -5.58
HIGH FALLS___HY 23754	45.07 3.10 0.00	39.13 2.62 0.00	37.94 2.46 0.00	36.06 2.25 0.00	34.30 2.18 -0.01	36.39 2.30 -0.06	41.00 2.95 0.00	44.72 3.50 0.00	42.18 3.55 0.00	49.00 3.85 0.00	54.59 4.65 0.00	54.25 5.15 -0.03	49.01 4.73 -0.70	57.20 4.99 -1.86	58.00 4.62 -10.13	67.03 5.88 -12.49	74.22 5.79 -20.49	68.90 6.29 -10.98	90.49 8.80 -2.20	83.93 8.19 0.00	92.31 8.57 0.00	65.11 5.90 0.00	57.08 4.89 0.00	50.30 3.86 -0.34
HIGH_RIVER___SOLAR 323847	43.60 1.64 0.00	37.94 1.43 0.00	36.86 1.38 0.00	35.11 1.29 0.00	33.39 1.26 0.00	35.44 1.42 0.00	39.64 1.60 0.00	42.55 1.33 0.00	39.51 0.87 0.00	46.07 0.93 0.00	50.75 0.81 0.00	49.83 0.76 0.00	43.91 0.42 0.09	51.03 0.68 0.00	44.56 1.31 0.00	49.55 0.88 0.00	48.92 0.98 0.00	52.98 1.35 0.00	82.27 2.76 0.00	79.09 3.35 0.00	87.61 3.88 0.00	61.87 2.66 0.00	54.42 2.22 0.00	47.88 1.78 0.00
HILLBURN___GT 23639	44.66 2.70 0.00	38.76 2.25 0.00	37.60 2.12 0.00	35.74 1.93 0.00	33.99 1.86 -0.01	36.05 1.96 -0.06	40.64 2.59 0.00	44.36 3.14 0.00	41.88 3.24 0.00	48.73 3.59 0.00	54.40 4.47 0.00	54.34 5.05 -0.22	54.65 4.62 -6.45	71.30 5.10 -15.86	131.67 4.67 -83.75	160.59 5.35 -106.57	228.14 5.36 -174.84	163.52 5.95 -105.94	106.15 7.91 -18.74	82.97 7.24 0.00	91.17 7.43 0.00	64.03 4.82 0.00	56.22 4.02 0.00	49.72 3.27 -0.35
HILLSIDE_115KV_TB1 80332	46.41 -1.02 -5.47	35.64 -0.88 -0.01	34.83 -0.65 0.00	33.10 -0.71 0.00	31.07 -0.98 0.07	34.73 -0.93 -1.64	43.75 -0.52 -6.22	47.03 -0.28 -6.09	42.89 0.00 -4.26	46.18 -0.13 -1.17	57.60 -0.06 -7.73	56.72 -0.07 -7.72	50.79 0.00 -7.21	58.21 -0.02 -7.88	46.07 0.37 -2.45	57.23 0.87 -7.70	55.91 0.17 -7.81	59.95 0.21 -8.10	92.11 0.23 -12.37	87.67 0.76 -11.17	94.69 0.76 -10.20	68.46 -0.53 -9.78	60.14 -0.88 -8.82	47.82 -1.05 -2.78

HISHELDN_WT_PWR 323625	3.91 -2.54 35.51	34.09 -2.34 0.09	33.63 -1.85 0.00	31.80 -2.02 0.00	29.76 -2.33 0.03	15.52 -2.50 16.00	-5.03 -2.42 40.66	0.81 -1.85 38.57	11.36 -1.41 25.87	41.99 -1.78 1.37	4.37 -1.80 43.76	2.30 -2.19 44.58	-1.47 -2.50 42.54	2.42 -2.80 45.12	0.12 -2.20 40.93	2.24 -2.22 44.21	-0.18 -2.60 45.52	3.22 -2.45 45.96	13.63 -3.75 62.12	20.97 -3.10 51.66	39.06 -3.18 41.49	4.18 -3.32 51.71	1.43 -2.68 48.09	-1.57 -2.94 44.72
HOLTSVILLE_IC_1 23690	46.04 3.98 -0.10	39.66 3.14 0.00	38.33 2.85 0.00	36.38 2.57 0.00	34.78 2.65 -0.01	36.81 2.73 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.23 3.59 0.00	48.92 3.77 0.00	55.51 5.13 -0.45	58.35 5.65 -3.63	83.43 5.25 -34.61	60.62 5.50 -4.77	72.50 5.15 -24.10	82.16 5.80 -27.70	93.06 5.87 -39.25	101.54 6.58 -43.31	85.01 9.07 3.56	87.98 8.57 -3.67	91.96 8.67 0.44	63.33 5.31 1.20	56.45 4.25 0.00	50.16 3.74 -0.33
HOLTSVILLE_IC_10 23699	46.27 4.20 -0.10	39.81 3.30 0.00	38.48 3.00 0.00	36.52 2.70 0.00	34.91 2.79 -0.01	36.95 2.87 -0.06	41.81 3.76 0.00	45.48 4.26 0.00	42.40 3.77 0.00	49.10 3.96 0.00	55.73 5.35 -0.45	58.58 5.88 -3.63	83.67 5.49 -34.61	61.03 5.79 -4.89	73.89 5.42 -25.21	84.32 6.07 -29.59	97.78 6.14 -43.70	107.43 6.89 -48.90	89.78 9.57 -0.71	88.90 9.09 -4.07	92.74 9.19 0.18	63.75 5.65 1.12	56.73 4.53 0.00	50.38 3.95 -0.33
HOLTSVILLE_IC_2 23691	46.04 3.98 -0.10	39.66 3.14 0.00	38.33 2.85 0.00	36.38 2.57 0.00	34.78 2.65 -0.01	36.81 2.73 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.23 3.59 0.00	48.92 3.77 0.00	55.51 5.13 -0.45	58.35 5.65 -3.63	83.43 5.25 -34.61	60.62 5.50 -4.77	72.50 5.15 -24.10	82.16 5.80 -27.70	93.06 5.87 -39.25	101.54 6.58 -43.31	85.01 9.07 3.56	87.98 8.57 -3.67	91.96 8.67 0.44	63.33 5.31 1.20	56.45 4.25 0.00	50.16 3.74 -0.33
HOLTSVILLE_IC_3 23692	46.04 3.98 -0.10	39.66 3.14 0.00	38.33 2.85 0.00	36.38 2.57 0.00	34.78 2.65 -0.01	36.81 2.73 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.23 3.59 0.00	48.92 3.77 0.00	55.51 5.13 -0.45	58.35 5.65 -3.63	83.43 5.25 -34.61	60.62 5.50 -4.77	72.50 5.15 -24.10	82.16 5.80 -27.70	93.06 5.87 -39.25	101.54 6.58 -43.31	85.01 9.07 3.56	87.98 8.57 -3.67	91.96 8.67 0.44	63.33 5.31 1.20	56.45 4.25 0.00	50.16 3.74 -0.33
HOLTSVILLE_IC_4 23693	46.04 3.98 -0.10	39.66 3.14 0.00	38.33 2.85 0.00	36.38 2.57 0.00	34.78 2.65 -0.01	36.81 2.73 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.23 3.59 0.00	48.92 3.77 0.00	55.51 5.13 -0.45	58.35 5.65 -3.63	83.43 5.25 -34.61	60.62 5.50 -4.77	72.50 5.15 -24.10	82.16 5.80 -27.70	93.06 5.87 -39.25	101.54 6.58 -43.31	85.01 9.07 3.56	87.98 8.57 -3.67	91.96 8.67 0.44	63.33 5.31 1.20	56.45 4.25 0.00	50.16 3.74 -0.33
HOLTSVILLE_IC_5 23694	46.04 3.98 -0.10	39.66 3.14 0.00	38.33 2.85 0.00	36.38 2.57 0.00	34.78 2.65 -0.01	36.81 2.73 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.23 3.59 0.00	48.92 3.77 0.00	55.51 5.13 -0.45	58.35 5.65 -3.63	83.43 5.25 -34.61	60.62 5.50 -4.77	72.50 5.15 -24.10	82.16 5.80 -27.70	93.06 5.87 -39.25	101.54 6.58 -43.31	85.01 9.07 3.56	87.98 8.57 -3.67	91.96 8.67 0.44	63.33 5.31 1.20	56.45 4.25 0.00	50.16 3.74 -0.33
HOLTSVILLE_IC_6 23695	46.27 4.20 -0.10	39.81 3.30 0.00	38.48 3.00 0.00	36.52 2.70 0.00	34.91 2.79 -0.01	36.95 2.87 -0.06	41.81 3.76 0.00	45.48 4.26 0.00	42.40 3.77 0.00	49.10 3.96 0.00	55.73 5.35 -0.45	58.58 5.88 -3.63	83.67 5.49 -34.61	61.03 5.79 -4.89	73.89 5.42 -25.21	84.32 6.07 -29.59	97.78 6.14 -43.70	107.43 6.89 -48.90	89.78 9.57 -0.71	88.90 9.09 -4.07	92.74 9.19 0.18	63.75 5.65 1.12	56.73 4.53 0.00	50.38 3.95 -0.33
HOLTSVILLE_IC_7 23696	46.27 4.20 -0.10	39.81 3.30 0.00	38.48 3.00 0.00	36.52 2.70 0.00	34.91 2.79 -0.01	36.95 2.87 -0.06	41.81 3.76 0.00	45.48 4.26 0.00	42.40 3.77 0.00	49.10 3.96 0.00	55.73 5.35 -0.45	58.58 5.88 -3.63	83.67 5.49 -34.61	61.03 5.79 -4.89	73.89 5.42 -25.21	84.32 6.07 -29.59	97.78 6.14 -43.70	107.43 6.89 -48.90	89.78 9.57 -0.71	88.90 9.09 -4.07	92.74 9.19 0.18	63.75 5.65 1.12	56.73 4.53 0.00	50.38 3.95 -0.33
HOLTSVILLE_IC_8 23697	46.27 4.20 -0.10	39.81 3.30 0.00	38.48 3.00 0.00	36.52 2.70 0.00	34.91 2.79 -0.01	36.95 2.87 -0.06	41.81 3.76 0.00	45.48 4.26 0.00	42.40 3.77 0.00	49.10 3.96 0.00	55.73 5.35 -0.45	58.58 5.88 -3.63	83.67 5.49 -34.61	61.03 5.79 -4.89	73.89 5.42 -25.21	84.32 6.07 -29.59	97.78 6.14 -43.70	107.43 6.89 -48.90	89.78 9.57 -0.71	88.90 9.09 -4.07	92.74 9.19 0.18	63.75 5.65 1.12	56.73 4.53 0.00	50.38 3.95 -0.33
HOLTSVILLE_IC_9 23698	46.27 4.20 -0.10	39.81 3.30 0.00	38.48 3.00 0.00	36.52 2.70 0.00	34.91 2.79 -0.01	36.95 2.87 -0.06	41.81 3.76 0.00	45.48 4.26 0.00	42.40 3.77 0.00	49.10 3.96 0.00	55.73 5.35 -0.45	58.58 5.88 -3.63	83.67 5.49 -34.61	61.03 5.79 -4.89	73.89 5.42 -25.21	84.32 6.07 -29.59	97.78 6.14 -43.70	107.43 6.89 -48.90	89.78 9.57 -0.71	88.90 9.09 -4.07	92.74 9.19 0.18	63.75 5.65 1.12	56.73 4.53 0.00	50.38 3.95 -0.33
HOMER_HL_115KV_TB2 355744	27.41 -1.71 12.84	34.62 -1.86 0.03	33.83 -1.66 0.00	32.01 -1.80 0.00	30.09 -2.00 0.03	26.25 -1.81 5.96	21.91 -1.45 14.69	26.47 -0.83 13.92	28.65 -0.63 9.35	43.85 -0.79 0.50	34.48 -0.42 15.03	32.36 -0.61 16.10	27.38 -0.90 15.29	33.12 -0.94 16.28	27.23 -0.30 15.72	32.28 -0.44 15.95	29.94 -1.09 16.91	33.39 -0.98 17.26	54.76 -1.42 23.33	55.47 -0.83 19.44	67.51 -0.60 15.62	38.08 -1.68 19.45	32.27 -1.85 18.07	26.48 -1.90 17.72
HOWARD_WT_PWR 323690	89.23 -2.52 -49.79	34.79 -1.84 -0.12	34.65 -0.83 0.00	32.99 -0.83 0.00	30.39 -1.69 0.04	52.90 -2.69 -21.58	93.14 -1.89 -56.99	94.29 -1.17 -54.23	74.49 -0.64 -36.50	46.39 -1.44 -2.69	106.71 -2.59 -59.37	109.08 -3.17 -63.18	100.99 -2.87 -60.28	110.97 -3.40 -64.02	94.17 -2.31 -53.23	109.98 -1.37 -62.69	110.48 -2.02 -64.56	114.77 -2.28 -65.41	165.84 -3.23 -89.57	148.82 -2.14 -75.22	142.45 -2.69 -61.41	130.57 -2.78 -74.14	118.84 -2.12 -68.76	101.80 -2.80 -58.50
HQ_GEN_CEDARS 23644	40.92 -1.05 0.00	35.56 -0.94 0.00	34.54 -0.94 0.00	33.02 -0.79 0.00	31.39 -0.73 0.00	29.55 -0.86 3.61	29.33 -1.13 7.59	36.30 -1.12 3.80	31.47 -1.14 6.02	44.03 -1.11 0.00	48.42 -1.51 0.00	43.53 -1.75 3.79	33.54 -1.45 8.60	39.32 -1.58 9.45	33.15 -1.54 8.56	37.42 -1.98 9.26	36.83 -1.90 9.21	39.91 -2.01 9.71	65.13 -2.62 11.75	72.06 -2.67 1.02	81.26 -2.47 0.00	54.22 -1.71 3.29	48.31 -1.47 2.42	42.32 -1.19 2.59
HQ_GEN_CEDARS_PROXY 323590	40.92 -1.04 0.00	35.56 -0.94 0.00	34.54 -0.94 0.00	33.02 -0.79 0.00	31.39 -0.73 0.00	29.55 -0.86 3.61	26.61 -1.13 10.31	36.32 -1.12 3.78	31.47 -1.14 6.02	43.67 -1.11 0.36	48.41 -1.52 0.00	43.52 -1.76 3.79	33.53 -1.45 8.60	39.30 -1.59 9.45	33.15 -1.54 8.56	46.54 -1.98 0.14	36.84 -1.89 9.21	39.90 -2.02 9.71	65.13 -2.62 11.75	72.06 -2.67 1.02	81.26 -2.47 0.00	65.67 -1.71 -8.16	46.12 -1.46 4.61	42.31 -1.20 2.59

HQ_GEN_CHPE_PROXY 323851	44.83 2.86 0.00	38.46 2.35 0.40	37.71 2.22 0.00	35.85 2.04 0.00	34.14 2.02 -0.01	36.16 2.08 -0.06	40.83 2.79 0.00	45.41 3.39 -0.81	42.05 3.41 0.00	49.03 3.89 0.00	54.83 4.90 0.00	54.67 5.53 -0.08	53.82 5.08 -5.17	61.45 5.58 -5.52	77.55 4.91 -29.38	91.48 5.71 -37.11	114.32 5.49 -60.89	94.62 6.09 -36.89	55.79 8.07 31.79	61.45 7.32 21.61	77.89 7.53 13.37	64.31 5.10 0.00	56.57 4.37 0.00	50.01 3.58 -0.33
HQ_GEN_IMPORT 323601	41.66 -0.30 0.00	35.83 -0.28 0.40	35.19 -0.29 0.00	33.58 -0.24 0.00	31.90 -0.22 0.00	33.76 -0.26 0.00	37.72 -0.33 0.00	41.70 -0.33 -0.81	38.30 -0.33 0.00	44.87 -0.28 0.00	49.58 -0.36 0.00	48.68 -0.39 0.00	43.30 -0.27 0.00	50.05 -0.30 0.00	42.81 -0.44 0.00	48.11 -0.55 0.00	47.40 -0.53 0.00	50.93 -0.71 0.00	78.72 -0.78 0.00	74.77 -0.97 0.00	82.83 -0.91 0.00	58.76 -0.45 0.00	51.90 -0.30 0.00	45.95 -0.14 0.00
HQ_GEN_WHEEL 23651	41.66 -0.30 0.00	35.83 -0.28 0.40	35.19 -0.29 0.00	33.58 -0.24 0.00	31.90 -0.22 0.00	33.76 -0.26 0.00	37.72 -0.33 0.00	41.70 -0.33 -0.81	38.30 -0.33 0.00	44.87 -0.28 0.00	49.58 -0.36 0.00	48.68 -0.39 0.00	43.30 -0.27 0.00	50.05 -0.30 0.00	42.81 -0.44 0.00	48.11 -0.55 0.00	47.40 -0.53 0.00	50.93 -0.71 0.00	78.72 -0.78 0.00	74.77 -0.97 0.00	82.83 -0.91 0.00	58.76 -0.45 0.00	51.90 -0.30 0.00	45.95 -0.14 0.00
HUDSON_AVE_GT_3 23810	45.00 3.04 0.00	38.98 2.47 0.00	37.82 2.33 0.00	35.95 2.14 0.00	34.23 2.11 -0.01	36.26 2.18 -0.06	41.00 2.95 0.00	44.78 3.56 0.00	42.22 3.59 0.00	49.25 4.11 0.00	55.11 5.17 0.00	54.94 5.80 -0.08	54.05 5.31 -5.17	61.75 5.88 -5.52	77.81 5.16 -29.39	91.78 5.99 -37.13	114.65 5.80 -60.91	94.96 6.42 -36.91	107.35 8.27 -19.58	92.28 7.50 -9.04	97.04 7.71 -5.59	64.44 5.23 0.00	56.68 4.49 0.00	50.08 3.66 -0.33
HUDSON_AVE_GT_4 23540	45.00 3.04 0.00	38.98 2.47 0.00	37.82 2.33 0.00	35.95 2.14 0.00	34.23 2.11 -0.01	36.26 2.18 -0.06	41.00 2.95 0.00	44.78 3.56 0.00	42.22 3.59 0.00	49.25 4.11 0.00	55.11 5.17 0.00	54.94 5.80 -0.08	54.05 5.31 -5.17	61.75 5.88 -5.52	77.81 5.16 -29.39	91.78 5.99 -37.13	114.65 5.80 -60.91	94.96 6.42 -36.91	107.35 8.27 -19.58	92.28 7.50 -9.04	97.04 7.71 -5.59	64.44 5.23 0.00	56.68 4.49 0.00	50.08 3.66 -0.33
HUDSON_AVE_GT_5 23657	45.00 3.04 0.00	38.98 2.47 0.00	37.82 2.33 0.00	35.95 2.14 0.00	34.23 2.11 -0.01	36.26 2.18 -0.06	41.00 2.95 0.00	44.78 3.56 0.00	42.22 3.59 0.00	49.25 4.11 0.00	55.11 5.17 0.00	54.94 5.80 -0.08	54.05 5.31 -5.17	61.75 5.88 -5.52	77.81 5.16 -29.39	91.78 5.99 -37.13	114.65 5.80 -60.91	94.96 6.42 -36.91	107.35 8.27 -19.58	92.28 7.50 -9.04	97.04 7.71 -5.59	64.44 5.23 0.00	56.68 4.49 0.00	50.08 3.66 -0.33
HUDSON_AVE_10 24168	44.76 2.79 0.00	38.78 2.27 0.00	37.64 2.16 0.00	35.80 1.99 0.00	34.09 1.96 -0.01	36.08 2.00 -0.06	40.79 2.74 0.00	44.53 3.31 0.00	42.00 3.37 0.00	48.99 3.85 0.00	54.80 4.87 0.00	54.66 5.51 -0.08	53.80 5.05 -5.17	61.46 5.59 -5.52	77.51 4.86 -29.39	91.45 5.66 -37.13	103.35 5.45 -49.96	94.59 6.06 -36.89	107.19 8.11 -19.58	92.09 7.31 -9.04	96.83 7.51 -5.59	64.33 5.12 0.00	56.63 4.43 0.00	50.01 3.59 -0.33
HUDSON___115KV_TB 4 355613	43.96 1.99 0.00	38.30 1.79 0.00	37.21 1.73 0.00	35.42 1.61 0.00	33.67 1.55 0.00	35.70 1.68 0.00	39.99 1.94 0.00	43.22 2.00 0.00	40.24 1.61 0.00	46.45 1.31 0.00	51.29 1.35 0.00	50.59 1.52 0.00	44.67 1.18 0.09	51.77 1.43 0.00	45.22 1.97 0.00	51.17 2.51 0.00	50.56 2.62 0.00	48.88 2.65 5.40	82.99 3.49 0.00	79.39 3.66 0.00	87.62 3.89 0.00	61.88 2.67 0.00	54.42 2.22 0.00	47.94 1.84 0.00
HUNTER MOUNT___DRP 323613	44.08 2.12 0.00	38.39 1.88 0.00	37.28 1.80 0.00	35.50 1.68 0.00	33.74 1.63 0.00	35.80 1.77 0.00	40.10 2.06 0.00	43.37 2.15 0.00	40.36 1.72 0.00	46.58 1.44 0.00	51.39 1.45 0.00	50.69 1.62 0.00	44.82 1.25 0.00	51.87 1.52 0.00	45.40 2.14 0.00	51.35 2.68 0.00	50.74 2.80 0.00	46.50 2.72 7.86	83.31 3.81 0.00	79.72 3.98 0.00	87.98 4.24 0.00	62.09 2.88 0.00	54.56 2.36 0.00	48.07 1.98 0.00
HUNTINGTON_RES_REC 323705	45.83 3.77 -0.10	39.55 3.04 0.00	38.25 2.77 0.00	36.30 2.48 0.00	34.67 2.55 -0.01	36.72 2.64 -0.06	41.53 3.48 0.00	45.18 3.96 0.00	42.21 3.58 0.00	49.01 3.87 0.00	55.64 5.26 -0.45	58.49 5.79 -3.63	83.60 5.41 -34.61	61.61 5.71 -5.55	79.19 5.37 -30.57	93.87 6.11 -39.09	120.44 6.16 -66.34	132.07 6.87 -73.55	108.32 9.41 -19.41	88.70 8.80 -4.16	92.53 8.91 0.12	63.55 5.44 1.10	56.52 4.32 0.00	50.22 3.79 -0.33
HUNTLEY___63 23557	25.89 -1.78 14.30	34.44 -2.04 0.04	33.81 -1.68 0.00	31.93 -1.88 0.00	30.01 -2.08 0.02	25.50 -1.93 6.59	19.90 -1.81 16.34	24.66 -1.05 15.51	27.42 -0.76 10.45	43.74 -0.85 0.55	32.73 -0.40 16.82	30.03 -1.02 18.02	24.86 -1.53 17.18	30.66 -1.51 18.17	25.06 -1.09 17.09	29.42 -1.43 17.81	27.55 -2.05 18.34	31.42 -1.70 18.51	51.72 -2.76 25.02	52.70 -2.22 20.82	64.87 -2.15 16.72	35.82 -2.56 20.83	30.59 -2.34 19.27	25.42 -2.05 18.64
HUNTLEY___64 23558	25.89 -1.78 14.30	34.44 -2.04 0.04	33.81 -1.68 0.00	31.93 -1.88 0.00	30.01 -2.08 0.02	25.50 -1.93 6.59	19.90 -1.81 16.34	24.66 -1.05 15.51	27.42 -0.76 10.45	43.74 -0.85 0.55	32.73 -0.40 16.82	30.03 -1.02 18.02	24.86 -1.53 17.18	30.66 -1.51 18.17	25.06 -1.09 17.09	29.42 -1.43 17.81	27.55 -2.05 18.34	31.42 -1.70 18.51	51.72 -2.76 25.02	52.70 -2.22 20.82	64.87 -2.15 16.72	35.82 -2.56 20.83	30.59 -2.34 19.27	25.42 -2.05 18.64
HUNTLEY___65 23559	25.89 -1.78 14.30	34.44 -2.04 0.04	33.81 -1.68 0.00	31.93 -1.88 0.00	30.01 -2.08 0.02	25.50 -1.93 6.59	19.90 -1.81 16.34	24.66 -1.05 15.51	27.42 -0.76 10.45	43.74 -0.85 0.55	32.73 -0.40 16.82	30.03 -1.02 18.02	24.86 -1.53 17.18	30.66 -1.51 18.17	25.06 -1.09 17.09	29.42 -1.43 17.81	27.55 -2.05 18.34	31.42 -1.70 18.51	51.72 -2.76 25.02	52.70 -2.22 20.82	64.87 -2.15 16.72	35.82 -2.56 20.83	30.59 -2.34 19.27	25.42 -2.05 18.64
HUNTLEY___66 23560	25.89 -1.78 14.30	34.44 -2.04 0.04	33.81 -1.68 0.00	31.93 -1.88 0.00	30.01 -2.08 0.02	25.50 -1.93 6.59	19.90 -1.81 16.34	24.66 -1.05 15.51	27.42 -0.76 10.45	43.74 -0.85 0.55	32.73 -0.40 16.82	30.03 -1.02 18.02	24.86 -1.53 17.18	30.66 -1.51 18.17	25.06 -1.09 17.09	29.42 -1.43 17.81	27.55 -2.05 18.34	31.42 -1.70 18.51	51.72 -2.76 25.02	52.70 -2.22 20.82	64.87 -2.15 16.72	35.82 -2.56 20.83	30.59 -2.34 19.27	25.42 -2.05 18.64
HUNTLEY___67 23561	23.44 -2.77 15.75	33.73 -2.74 0.04	33.14 -2.34 0.00	31.32 -2.50 0.00	29.43 -2.66 0.02	24.17 -2.65 7.20	17.37 -2.65 18.03	22.08 -2.04 17.10	25.49 -1.69 11.46	42.76 -1.77 0.61	29.99 -1.54 18.41	27.19 -2.15 19.73	22.18 -2.52 18.88	27.63 -2.72 19.99	22.33 -2.18 18.75	26.46 -2.63 19.58	24.80 -3.02 20.12	28.59 -2.75 20.30	47.75 -4.31 27.44	49.15 -3.75 22.83	61.64 -3.75 18.34	32.64 -3.72 22.85	27.51 -3.40 21.28	22.63 -3.09 20.39

HUNTLEY___68 23562	23.44 -2.77 15.75	33.73 -2.74 0.04	33.14 -2.34 0.00	31.32 -2.50 0.00	29.43 -2.66 0.02	24.17 -2.65 7.20	17.37 -2.65 18.03	22.08 -2.04 17.10	25.49 -1.69 11.46	42.76 -1.77 0.61	29.99 -1.54 18.41	27.19 -2.15 19.73	22.18 -2.52 18.88	27.63 -2.72 19.99	22.33 -2.18 18.75	26.46 -2.63 19.58	24.80 -3.02 20.12	28.59 -2.75 20.30	47.75 -4.31 27.44	49.15 -3.75 22.83	61.64 -3.75 18.34	32.64 -3.72 22.85	27.51 -3.40 21.28	22.63 -3.09 20.39
HYLAND___LFG 323620	88.38 0.84 -45.57	37.15 0.53 -0.11	36.37 0.89 0.00	34.47 0.66 0.00	32.35 0.26 0.03	54.12 0.24 -19.86	91.19 0.97 -52.17	92.55 1.77 -49.56	73.33 1.48 -33.22	47.53 0.63 -1.76	103.43 0.12 -53.37	105.04 -1.53 -57.51	94.52 -3.99 -54.93	103.55 -5.12 -58.32	87.75 -4.63 -49.12	101.18 -4.61 -57.12	101.75 -5.05 -58.86	106.08 -5.13 -59.58	153.09 -7.55 -81.14	138.71 -4.88 -67.85	134.73 -4.02 -55.02	123.70 -2.81 -67.30	117.52 2.82 -62.50	101.40 1.27 -54.04
INDECK___CORINTH 23802	43.71 1.74 0.00	37.88 1.37 0.00	36.87 1.38 0.00	35.15 1.33 0.00	33.37 1.25 0.00	35.60 1.58 0.00	39.89 1.84 0.00	43.03 1.81 0.00	40.08 1.45 0.00	46.66 1.52 0.00	51.86 1.93 0.00	51.23 2.17 0.00	45.09 1.62 0.10	52.29 1.94 0.00	45.17 1.91 0.00	51.07 2.41 0.00	50.45 2.51 0.00	54.42 2.78 0.00	83.92 4.42 0.00	80.00 4.26 0.00	88.39 4.65 0.00	62.48 3.27 0.00	54.90 2.70 0.00	48.38 2.28 0.00
INDECK___ILION 23567	44.79 2.82 0.00	39.05 2.54 0.00	37.91 2.42 0.00	36.15 2.34 0.00	34.54 2.42 0.00	38.36 2.71 -1.63	44.68 3.21 -3.42	45.77 2.83 -1.71	43.36 2.02 -2.71	47.44 2.30 0.00	51.79 1.85 0.00	53.24 2.47 -1.71	48.54 1.09 -3.87	56.70 2.09 -4.26	49.76 2.65 -3.86	55.28 2.45 -4.17	54.53 2.44 -4.15	59.10 3.09 -4.38	90.37 5.62 -5.25	82.66 6.51 -0.41	91.11 7.37 0.00	65.56 5.02 -1.33	57.21 4.03 -0.98	50.38 3.24 -1.05
INDECK___OLEAN 23982	27.48 -1.64 12.84	34.63 -1.85 0.03	33.83 -1.66 0.00	32.01 -1.80 0.00	30.05 -2.05 0.03	26.26 -1.79 5.96	22.00 -1.35 14.69	26.50 -0.79 13.92	28.67 -0.61 9.35	43.85 -0.80 0.50	34.55 -0.36 15.03	32.43 -0.54 16.10	27.40 -0.88 15.29	33.21 -1.02 16.28	27.20 -0.34 15.72	32.23 -0.48 15.95	30.03 -1.00 16.91	33.47 -0.90 17.26	54.87 -1.30 23.33	55.49 -0.81 19.44	67.59 -0.52 15.62	38.17 -1.59 19.45	32.38 -1.75 18.07	26.51 -1.87 17.72
INDECK___OSWEGO 23783	41.11 -0.86 0.00	35.73 -0.78 0.00	34.74 -0.74 0.00	33.05 -0.76 0.00	31.39 -0.73 0.00	32.37 -0.74 0.91	35.44 -0.81 1.79	39.38 -0.95 0.90	37.71 -0.85 0.08	51.53 -1.02 -7.41	58.17 -1.13 -9.36	55.78 -1.22 -7.93	46.76 -1.09 -4.27	56.38 -1.02 -7.32	46.16 -1.08 -3.92	54.58 -1.08 -6.99	53.34 -1.07 -6.48	58.79 -0.98 -8.14	100.17 -1.48 -22.14	99.29 -1.05 -24.60	111.28 -1.14 -28.68	72.13 -1.11 -14.02	61.16 -1.12 -10.09	45.24 -1.11 -0.25
INDECK___YERKES 23781	26.05 -1.62 14.30	34.48 -2.00 0.04	33.83 -1.65 0.00	31.96 -1.86 0.00	30.00 -2.09 0.02	25.54 -1.88 6.59	20.10 -1.61 16.34	24.76 -0.95 15.51	27.50 -0.68 10.45	43.78 -0.81 0.55	32.92 -0.20 16.82	30.19 -0.86 18.02	24.95 -1.44 17.18	30.86 -1.31 18.17	25.08 -1.07 17.09	29.42 -1.44 17.81	27.68 -1.92 18.34	31.57 -1.55 18.51	51.90 -2.59 25.02	52.72 -2.20 20.82	64.97 -2.04 16.72	35.96 -2.42 20.83	30.80 -2.14 19.27	25.53 -1.94 18.64
INDIAN POINT__GT_1 24139	44.63 2.67 0.00	38.73 2.23 0.00	37.58 2.10 0.00	35.74 1.92 0.00	34.00 1.87 -0.01	36.05 1.96 -0.06	40.66 2.61 0.00	44.34 3.12 0.00	41.79 3.16 0.00	48.63 3.49 0.00	54.31 4.37 0.00	54.10 4.94 -0.09	52.91 4.51 -4.82	61.76 4.98 -6.44	81.98 4.51 -34.22	97.22 5.26 -43.29	124.15 5.19 -71.02	100.43 5.76 -43.03	94.72 7.61 -7.61	82.68 6.94 0.00	90.85 7.12 0.00	63.91 4.70 0.00	56.14 3.95 0.00	49.64 3.21 -0.33
INDIAN POINT__GT_2 23659	44.63 2.67 0.00	38.73 2.23 0.00	37.58 2.10 0.00	35.74 1.92 0.00	34.00 1.87 -0.01	36.05 1.96 -0.06	40.66 2.61 0.00	44.34 3.12 0.00	41.79 3.16 0.00	48.63 3.49 0.00	54.31 4.37 0.00	54.10 4.94 -0.09	52.91 4.51 -4.82	61.76 4.98 -6.44	81.98 4.51 -34.22	97.22 5.26 -43.29	124.15 5.19 -71.02	100.43 5.76 -43.03	94.72 7.61 -7.61	82.68 6.94 0.00	90.85 7.12 0.00	63.91 4.70 0.00	56.14 3.95 0.00	49.64 3.21 -0.33
INDIAN POINT__GT_3 24019	44.63 2.67 0.00	38.73 2.23 0.00	37.58 2.10 0.00	35.74 1.92 0.00	34.00 1.87 -0.01	36.05 1.96 -0.06	40.66 2.61 0.00	44.34 3.12 0.00	41.79 3.16 0.00	48.63 3.49 0.00	54.31 4.37 0.00	54.10 4.94 -0.09	52.91 4.51 -4.82	61.76 4.98 -6.44	81.98 4.51 -34.22	97.22 5.26 -43.29	124.15 5.19 -71.02	100.43 5.76 -43.03	94.72 7.61 -7.61	82.68 6.94 0.00	90.85 7.12 0.00	63.91 4.70 0.00	56.14 3.95 0.00	49.64 3.21 -0.33
INDIAN POINT___2 23530	44.59 2.63 0.00	38.71 2.20 0.00	37.55 2.07 0.00	35.71 1.89 0.00	33.96 1.84 -0.01	36.01 1.93 -0.06	40.60 2.56 0.00	44.30 3.08 0.00	41.78 3.15 0.00	48.61 3.46 0.00	54.27 4.33 0.00	54.07 4.90 -0.10	52.91 4.49 -4.85	62.80 4.92 -7.54	87.72 4.47 -39.99	104.55 5.23 -50.66	136.18 5.13 -83.11	107.70 5.71 -50.36	95.94 7.52 -8.91	82.64 6.90 0.00	90.82 7.08 0.00	63.82 4.61 0.00	56.08 3.88 0.00	49.61 3.17 -0.34
INDIAN POINT___3 23531	44.58 2.62 0.00	38.70 2.19 0.00	37.55 2.07 0.00	35.71 1.89 0.00	33.97 1.85 -0.01	36.02 1.94 -0.06	40.62 2.58 0.00	44.29 3.07 0.00	41.75 3.11 0.00	48.56 3.42 0.00	54.22 4.28 0.00	54.03 4.87 -0.09	52.79 4.43 -4.79	61.72 4.88 -6.50	82.17 4.42 -34.50	97.48 5.17 -43.65	124.63 5.08 -71.61	100.67 5.64 -43.39	94.62 7.45 -7.67	82.54 6.81 0.00	90.71 6.98 0.00	63.79 4.58 0.00	56.06 3.86 0.00	49.57 3.14 -0.33
INDIANH__69_KV_BK1 55831	46.04 3.97 -0.10	39.68 3.17 0.00	38.36 2.87 0.00	36.39 2.57 0.00	34.76 2.64 -0.01	36.82 2.74 -0.06	41.68 3.63 0.00	45.32 4.10 0.00	42.33 3.69 0.00	49.11 3.97 -0.45	55.78 5.39 -3.63	58.66 5.96 -34.61	83.73 5.55 -5.41	61.65 5.90 -5.41	78.18 5.53 -29.41	91.91 6.23 -37.03	115.64 6.28 -61.41	126.84 7.05 -68.16	104.50 9.69 -15.31	88.99 9.13 -4.12	92.78 9.19 0.15	63.76 5.66 1.11	56.73 4.53 0.00	50.36 3.93 -0.33
INGHAM_C_115KV_TB7 356103	44.79 2.82 0.00	39.05 2.54 0.00	37.91 2.42 0.00	36.15 2.34 0.00	34.54 2.42 0.00	38.36 2.71 -1.63	44.68 3.21 -3.42	45.77 2.83 -1.71	43.36 2.02 -2.71	47.44 2.30 0.00	51.79 1.85 0.00	53.24 2.47 -1.71	48.54 1.09 -3.87	56.70 2.09 -4.26	49.76 2.65 -3.86	55.28 2.45 -4.17	54.53 2.44 -4.15	59.10 3.09 -4.38	90.37 5.62 -5.25	82.66 6.51 -0.41	91.11 7.37 0.00	65.56 5.02 -1.33	57.21 4.03 -0.98	50.38 3.24 -1.05
IP CORINTH___1 23988	43.92 1.96 0.00	38.06 1.55 0.00	37.04 1.56 0.00	35.32 1.50 0.00	33.53 1.41 0.00	35.78 1.76 0.00	40.09 2.04 0.00	43.26 2.03 0.00	40.29 1.66 0.00	46.90 1.76 0.00	52.12 2.18 0.00	51.50 2.43 0.00	45.32 1.85 0.10	52.56 2.21 0.00	45.41 2.15 0.00	51.35 2.69 0.00	50.72 2.78 0.00	54.71 3.08 0.00	84.37 4.87 0.00	80.42 4.68 0.00	88.87 5.14 0.00	62.81 3.61 0.00	55.18 2.98 0.00	48.61 2.52 0.00

IP__TICONDEROGA 23804	45.68 3.71 0.00	39.18 2.67 0.00	38.20 2.72 0.00	36.48 2.66 0.00	34.49 2.37 0.00	37.39 3.37 0.00	41.85 3.81 0.00	44.70 3.48 0.00	41.67 3.04 0.00	48.35 3.21 0.00	53.53 3.59 0.00	52.90 3.83 0.00	46.47 3.00 0.10	53.76 3.41 0.00	46.54 3.29 0.00	53.33 4.67 0.00	52.91 4.97 0.00	57.03 5.40 0.00	88.18 8.68 0.00	83.46 7.72 0.00	93.05 9.31 0.00	65.76 6.55 0.00	58.14 5.94 0.00	51.08 4.98 0.00
ISLIP_RES_REC 323679	46.43 4.36 -0.10	39.94 3.43 0.00	38.59 3.11 0.00	36.62 2.81 0.00	35.02 2.90 -0.01	37.06 2.98 -0.06	41.95 3.90 0.00	45.64 4.42 0.00	42.56 3.92 0.00	49.29 4.15 0.00	55.94 5.55 -0.45	58.80 6.10 -3.63	83.88 5.70 -34.61	61.28 6.04 -4.90	74.34 5.65 -25.43	84.91 6.33 -29.92	98.79 6.40 -44.45	109.05 7.17 -50.24	91.28 10.02 -1.76	89.61 9.53 -4.35	93.39 9.66 0.00	64.10 5.96 1.07	56.97 4.77 0.00	50.58 4.16 -0.33
JAMAICA__27_KV_LOAD 355505	44.85 2.88 0.00	38.86 2.35 0.00	37.70 2.22 0.00	35.91 2.09 0.00	34.19 2.07 -0.01	36.19 2.11 -0.06	40.88 2.83 0.00	44.60 3.38 0.00	42.09 3.45 0.00	49.05 3.91 0.00	54.88 4.94 0.00	54.77 5.62 -0.08	53.87 5.13 -5.17	61.58 5.71 -5.52	77.51 4.86 -29.39	91.47 5.68 -37.13	103.28 5.38 -49.96	94.55 6.02 -36.89	107.09 8.01 -19.58	91.98 7.19 -9.04	96.77 7.45 -5.59	64.49 5.28 0.00	56.88 4.68 0.00	50.19 3.76 -0.33
JANIS__SOLAR 323808	46.06 1.02 -3.07	37.33 0.81 -0.01	36.29 0.81 0.00	34.67 0.86 0.00	33.04 0.92 0.00	36.49 1.12 -1.35	42.96 1.37 -3.54	46.56 1.60 -3.73	43.04 1.69 -2.72	48.02 1.54 -1.34	56.71 1.24 -5.54	55.22 0.77 -5.38	48.99 0.49 -4.91	56.73 0.85 -5.53	48.26 0.55 -4.46	54.83 0.78 -5.39	53.67 0.33 -5.40	58.64 1.25 -5.75	92.33 3.13 -9.69	89.18 4.59 -8.86	97.72 5.30 -8.68	69.25 2.99 -7.05	60.25 2.02 -6.04	51.38 1.36 -3.92
JARVIS____ 23743	42.23 0.27 0.00	36.77 0.26 0.00	35.73 0.25 0.00	34.05 0.24 0.00	32.34 0.23 0.00	35.89 0.24 -1.63	41.77 0.30 -3.42	43.23 0.30 -1.71	41.63 0.28 -2.71	45.42 0.27 0.00	50.27 0.33 0.00	51.12 0.34 -1.71	47.71 0.26 -3.87	54.92 0.32 -4.26	47.45 0.34 -3.86	53.22 0.38 -4.17	52.45 0.36 -4.15	56.43 0.42 -4.38	85.30 0.55 -5.25	76.78 0.63 -0.41	84.36 0.62 0.00	60.92 0.39 -1.33	53.52 0.34 -0.98	47.39 0.25 -1.05
JENNISON__1 23625	42.77 0.80 0.00	37.22 0.70 0.00	36.10 0.61 0.00	34.49 0.68 0.00	33.06 0.92 -0.02	35.33 1.08 -0.23	39.27 1.22 0.00	42.75 1.52 0.00	40.54 1.76 -0.15	47.87 1.91 -0.82	52.87 1.90 -1.03	51.84 1.78 -0.99	45.46 1.29 -0.59	51.55 1.56 0.35	38.94 1.31 5.63	41.66 1.70 8.70	34.53 1.61 15.02	45.50 2.36 8.50	84.84 4.18 -1.16	83.47 4.86 -2.86	91.84 4.79 -3.31	63.43 2.52 -1.70	55.09 1.67 -1.22	48.56 1.10 -1.36
JENNISON__2 23626	42.77 0.80 0.00	37.22 0.70 0.00	36.10 0.61 0.00	34.49 0.68 0.00	33.06 0.92 -0.02	35.33 1.08 -0.23	39.27 1.22 0.00	42.75 1.52 0.00	40.54 1.76 -0.15	47.87 1.91 -0.82	52.87 1.90 -1.03	51.84 1.78 -0.99	45.46 1.29 -0.59	51.55 1.56 0.35	38.94 1.31 5.63	41.66 1.70 8.70	34.53 1.61 15.02	45.50 2.36 8.50	84.84 4.18 -1.16	83.47 4.86 -2.86	91.84 4.79 -3.31	63.43 2.52 -1.70	55.09 1.67 -1.22	48.56 1.10 -1.36
JERICHO_RISE_WT_PWR 323719	40.66 -1.31 0.00	35.27 -1.24 0.00	34.10 -1.39 0.00	32.76 -1.06 0.00	31.19 -0.92 0.00	30.24 -1.06 2.72	30.90 -1.43 5.72	36.70 -1.65 2.87	32.45 -1.63 4.56	43.60 -1.54 0.00	47.89 -2.05 0.00	44.13 -2.08 2.86	35.21 -1.88 6.49	41.12 -2.08 7.14	34.79 -2.00 6.47	39.06 -2.62 6.99	38.44 -2.54 6.96	41.66 -2.64 7.34	67.53 -3.22 8.76	71.84 -3.25 0.65	80.43 -3.30 0.00	54.81 -2.31 2.09	48.73 -1.93 1.54	42.67 -1.78 1.65
KATONAH__115KV_46KV_TB4 355592	44.83 2.87 0.00	38.89 2.38 0.00	37.73 2.25 0.00	35.87 2.06 0.00	34.13 2.00 -0.01	36.20 2.12 -0.06	40.83 2.78 0.00	44.53 3.30 0.00	41.95 3.32 0.00	48.84 3.69 0.00	54.55 4.62 0.00	54.34 5.22 -0.05	47.96 4.77 0.39	59.49 5.33 -3.82	68.50 4.85 -20.40	79.99 5.67 -25.65	95.59 5.57 -42.07	83.23 6.10 -25.49	92.17 8.16 -4.51	83.23 7.49 0.00	91.40 7.67 0.00	64.26 5.05 0.00	56.43 4.23 0.00	49.86 3.44 -0.32
KCE_NY_1 323755	44.22 2.26 0.00	38.41 1.90 0.00	37.34 1.86 0.00	35.57 1.76 0.00	33.79 1.68 0.00	35.91 1.89 0.00	40.24 2.19 0.00	43.47 2.25 0.00	40.55 1.91 0.00	47.20 2.06 0.00	52.31 2.38 0.00	51.63 2.56 0.00	45.53 2.06 0.10	52.84 2.49 0.00	45.78 2.53 0.00	51.55 2.89 0.00	50.89 2.96 0.00	54.91 3.27 0.00	84.50 4.99 0.00	80.62 4.88 0.00	88.92 5.19 0.00	62.81 3.60 0.00	55.26 3.06 0.00	48.60 2.50 0.00
KCE_NY_6_ESR 323823	23.03 -2.23 16.71	34.15 -2.32 0.04	33.56 -1.92 0.00	31.71 -2.10 0.00	29.70 -2.40 0.02	24.08 -2.29 7.66	16.82 -2.12 19.11	21.55 -1.54 18.13	25.26 -1.19 12.18	43.17 -1.33 0.65	29.43 -0.92 19.59	26.56 -1.51 21.00	21.56 -1.96 20.05	27.15 -1.98 21.22	21.79 -1.61 19.86	25.94 -1.93 20.79	24.38 -2.20 21.36	28.20 -1.89 21.55	47.39 -2.99 29.12	48.97 -2.53 24.24	61.83 -2.43 19.47	32.23 -2.72 24.25	27.12 -2.56 22.51	21.96 -2.54 21.60
KEDC_PORT_JEFF_GT2 24210	46.14 4.07 -0.10	39.73 3.22 0.00	38.40 2.92 0.00	36.43 2.62 0.00	34.83 2.71 -0.01	36.86 2.78 -0.06	41.72 3.67 0.00	45.36 4.14 0.00	42.28 3.65 0.00	48.99 3.85 0.00	55.65 5.26 -0.45	58.52 5.81 -3.63	83.62 5.43 -34.61	61.01 5.75 -4.92	73.97 5.35 -25.37	84.28 5.71 -29.90	98.14 5.74 -44.46	107.52 6.44 -49.44	89.46 8.85 -1.10	88.37 8.71 -3.92	92.10 8.65 0.28	63.38 5.32 1.14	56.52 4.32 0.00	50.26 3.83 -0.33
KEDC_PORT_JEFF_GT3 24211	46.14 4.07 -0.10	39.73 3.22 0.00	38.40 2.92 0.00	36.43 2.62 0.00	34.83 2.71 -0.01	36.86 2.78 -0.06	41.72 3.67 0.00	45.36 4.14 0.00	42.28 3.65 0.00	48.99 3.85 0.00	55.65 5.26 -0.45	58.52 5.81 -3.63	83.62 5.43 -34.61	61.01 5.75 -4.92	73.97 5.35 -25.37	84.28 5.71 -29.90	98.14 5.74 -44.46	107.52 6.44 -49.44	89.46 8.85 -1.10	88.37 8.71 -3.92	92.10 8.65 0.28	63.38 5.32 1.14	56.52 4.32 0.00	50.26 3.83 -0.33
KEDC_GLWD_GT4 24219	45.46 3.40 -0.10	39.29 2.78 0.00	38.06 2.58 0.00	36.16 2.34 0.00	34.45 2.33 -0.01	36.52 2.44 -0.06	41.23 3.18 0.00	44.99 3.76 0.00	42.31 3.68 0.00	49.03 3.89 0.00	55.77 5.39 -0.45	58.73 6.03 -3.63	83.66 5.48 -34.61	61.72 5.86 -5.51	85.25 5.31 -36.68	101.58 6.18 -46.74	136.29 6.08 -82.27	177.65 6.70 -119.32	144.16 9.03 -55.63	102.94 8.21 -19.00	101.65 8.46 -9.46	66.21 5.37 -1.64	56.63 4.43 0.00	50.41 3.98 -0.33
KEDC_GLWD_GT5 24220	45.46 3.40 -0.10	39.29 2.78 0.00	38.06 2.58 0.00	36.16 2.34 0.00	34.45 2.33 -0.01	36.52 2.44 -0.06	41.23 3.18 0.00	44.99 3.76 0.00	42.31 3.68 0.00	49.03 3.89 0.00	55.77 5.39 -0.45	58.73 6.03 -3.63	83.66 5.48 -34.61	61.72 5.86 -5.51	85.25 5.31 -36.68	101.58 6.18 -46.74	136.29 6.08 -82.27	177.65 6.70 -119.32	144.16 9.03 -55.63	102.94 8.21 -19.00	101.65 8.46 -9.46	66.21 5.37 -1.64	56.63 4.43 0.00	50.41 3.98 -0.33

KENSICO____ 23655	44.76 2.79 0.00	38.84 2.33 0.00	37.68 2.20 0.00	35.83 2.01 0.00	34.09 1.97 -0.01	36.15 2.07 -0.06	40.78 2.73 0.00	44.49 3.26 0.00	41.92 3.29 0.00	48.79 3.64 0.00	54.52 4.58 0.00	54.32 5.17 -0.08	53.26 4.70 -4.98	61.27 5.18 -5.74	78.45 4.67 -30.52	92.68 5.45 -38.57	116.56 5.34 -63.28	95.90 5.92 -38.34	94.13 7.84 -6.78	82.88 7.14 0.00	91.09 7.36 0.00	64.07 4.87 0.00	56.32 4.12 0.00	49.79 3.37 -0.33
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	45.09 3.12 0.00	39.14 2.63 0.00	37.95 2.47 0.00	36.08 2.27 0.00	34.31 2.19 -0.01	36.41 2.32 -0.07	41.01 2.96 0.00	44.70 3.48 0.00	42.13 3.49 0.00	48.89 3.75 0.00	54.47 4.54 0.00	54.12 5.02 -0.03	49.09 4.56 -0.96	57.11 4.73 -2.03	58.72 4.45 -11.02	67.91 5.66 -13.59	75.83 5.60 -22.29	70.31 6.09 -12.59	90.34 8.45 -2.39	83.65 7.92 0.00	92.04 8.31 0.00	65.05 5.84 0.00	57.02 4.82 0.00	50.30 3.83 -0.38
KIAC_JFK_GT1 23816	44.60 2.63 0.00	38.65 2.14 0.00	37.50 2.02 0.00	35.72 1.91 0.00	34.00 1.88 -0.01	35.99 1.91 -0.06	40.64 2.59 0.00	44.34 3.12 0.00	41.84 3.21 0.00	48.77 3.63 0.00	54.55 4.61 0.00	54.45 5.30 -0.08	53.60 4.86 -5.17	61.21 5.34 -5.52	77.07 4.42 -29.39	90.96 5.17 -37.13	102.78 4.89 -49.96	94.01 5.48 -36.89	106.22 7.14 -19.58	91.16 6.38 -9.04	95.86 6.53 -5.59	63.86 4.65 0.00	56.51 4.31 0.00	49.89 3.47 -0.33
KIAC_JFK_GT2 23817	44.60 2.63 0.00	38.65 2.14 0.00	37.50 2.02 0.00	35.72 1.91 0.00	34.00 1.88 -0.01	35.99 1.91 -0.06	40.64 2.59 0.00	44.34 3.12 0.00	41.84 3.21 0.00	48.77 3.63 0.00	54.55 4.61 0.00	54.45 5.30 -0.08	53.60 4.86 -5.17	61.21 5.34 -5.52	77.07 4.42 -29.39	90.96 5.17 -37.13	102.78 4.89 -49.96	94.01 5.48 -36.89	106.22 7.14 -19.58	91.16 6.38 -9.04	95.86 6.53 -5.59	63.86 4.65 0.00	56.51 4.31 0.00	49.89 3.47 -0.33
KIAC_JFK____ 323774	44.58 2.62 0.00	38.65 2.14 0.00	37.49 2.01 0.00	35.72 1.91 0.00	34.01 1.88 -0.01	35.99 1.91 -0.06	40.61 2.56 0.00	44.33 3.11 0.00	41.83 3.20 0.00	48.78 3.64 0.00	54.54 4.60 0.00	54.43 5.29 -0.08	53.61 4.86 -5.17	61.19 5.32 -5.52	77.07 4.43 -29.39	90.96 5.17 -37.13	102.77 4.87 -49.96	93.99 5.46 -36.89	106.23 7.15 -19.58	91.20 6.43 -9.04	95.88 6.55 -5.59	63.86 4.65 0.00	56.49 4.29 0.00	49.89 3.47 -0.33
KINTIGH_24_KV_GSU 356498	30.37 -2.34 9.26	34.11 -2.38 0.02	33.41 -2.07 0.00	31.63 -2.19 0.00	29.78 -2.33 0.02	27.47 -2.27 4.28	25.26 -2.18 10.61	29.43 -1.72 10.07	30.45 -1.45 6.73	43.29 -1.49 0.36	37.92 -1.21 10.80	35.71 -1.79 11.57	30.30 -2.19 11.09	36.31 -2.29 11.75	29.86 -2.00 11.40	34.77 -2.39 11.50	33.59 -2.54 11.80	37.49 -2.23 11.91	59.95 -3.46 16.10	59.25 -3.10 13.39	69.97 -3.01 10.76	42.69 -3.12 13.41	36.82 -2.85 12.53	31.18 -2.63 12.29
KINTIGH____ 23543	30.26 -2.45 9.26	34.08 -2.41 0.02	33.38 -2.10 0.00	31.61 -2.21 0.00	29.78 -2.32 0.02	27.43 -2.31 4.28	25.10 -2.33 10.61	29.35 -1.81 10.07	30.40 -1.51 6.73	43.28 -1.51 0.36	37.77 -1.37 10.80	35.59 -1.90 11.57	30.24 -2.25 11.09	36.15 -2.44 11.75	29.87 -1.99 11.40	34.79 -2.36 11.50	33.44 -2.70 11.80	37.33 -2.40 11.91	59.73 -3.67 16.10	59.16 -3.18 13.39	69.81 -3.16 10.76	42.52 -3.28 13.41	36.65 -3.02 12.53	31.08 -2.73 12.29
KNTFSRNC_46_KV_46KV_LOAD 80397	41.18 -0.79 0.00	35.67 -0.83 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.53 -0.59 0.00	31.28 -0.56 2.18	32.56 -0.90 4.59	37.78 -1.13 2.31	34.25 -0.63 3.75	44.74 -0.40 0.00	48.87 -1.07 0.00	45.74 -0.98 2.35	37.14 -1.10 5.34	43.45 -1.03 5.87	36.90 -1.03 5.31	41.22 -1.70 5.74	40.38 -1.84 5.72	43.44 -2.17 6.03	69.33 -2.96 7.21	72.35 -2.84 0.55	80.74 -2.99 0.00	55.54 -1.90 1.77	49.94 -0.95 1.31	43.88 -0.83 1.39
LACHUTE____HYDRO 323717	45.68 3.71 0.00	39.18 2.67 0.00	38.20 2.72 0.00	36.48 2.66 0.00	34.49 2.37 0.00	37.39 3.37 0.00	41.86 3.80 0.00	44.70 3.48 0.00	41.67 3.04 0.00	48.35 3.20 0.00	53.53 3.59 0.00	52.90 3.83 0.00	46.46 2.99 0.10	53.75 3.41 0.00	46.54 3.29 0.00	53.34 4.68 0.00	52.91 4.97 0.00	57.04 5.40 0.00	88.18 8.68 0.00	83.46 7.72 0.00	93.04 9.31 0.00	65.75 6.54 0.00	58.15 5.95 0.00	51.08 4.99 0.00
LAWRNCV_115KV_TB1 80681	40.12 -1.85 0.00	34.74 -1.77 0.00	33.71 -1.77 0.00	32.26 -1.56 0.00	30.68 -1.44 0.00	24.26 -1.75 8.01	18.90 -2.27 16.88	30.38 -2.39 8.45	22.90 -2.34 13.39	42.63 -2.51 0.00	46.78 -3.15 0.00	37.08 -3.57 8.42	21.34 -3.13 19.11	25.83 -3.50 21.01	21.01 -3.21 19.04	24.24 -3.85 20.57	23.82 -3.65 20.47	26.19 -3.85 21.59	48.68 -5.19 25.64	69.91 -4.05 1.77	79.95 -3.79 0.00	50.74 -2.75 5.73	45.58 -2.40 4.22	39.65 -1.94 4.50
LEDERLE____ 23769	44.82 2.85 0.00	38.89 2.39 0.00	37.73 2.25 0.00	35.87 2.06 0.00	34.10 1.98 -0.01	36.17 2.09 -0.06	40.81 2.76 0.00	44.53 3.30 0.00	42.03 3.40 0.00	48.90 3.76 0.00	54.62 4.68 0.00	54.49 5.27 -0.15	53.79 4.82 -5.39	66.60 5.34 -10.92	105.88 4.87 -57.76	127.70 5.68 -73.36	173.90 5.61 -120.35	130.77 6.21 -72.92	100.68 8.28 -12.90	83.32 7.58 0.00	91.53 7.80 0.00	64.30 5.09 0.00	56.44 4.24 0.00	49.89 3.45 -0.34
LIGHTHSE_115KV_TB6 355974	41.16 -0.81 0.00	35.53 -0.98 0.00	34.57 -0.91 0.00	32.88 -0.93 0.00	31.23 -0.89 0.00	26.88 -0.99 6.16	24.19 -1.01 12.85	33.80 -0.99 6.44	27.94 -0.92 9.77	46.60 -0.94 -2.39	51.89 -1.06 -3.02	43.85 -1.64 3.57	29.56 -1.49 12.52	35.62 -1.79 12.93	29.06 -1.42 12.77	34.37 -1.58 12.72	33.64 -1.49 12.81	37.17 -1.38 13.09	66.23 -1.62 11.65	81.86 -0.36 -6.48	92.66 -0.26 -9.20	58.22 -0.93 0.07	51.36 -0.71 0.13	41.41 -1.00 3.69
LINDEN COGEN____ 23786	44.72 2.75 0.00	38.75 2.24 0.00	37.60 2.11 0.00	35.73 1.92 0.00	34.01 1.88 -0.01	36.03 1.95 -0.06	40.71 2.66 0.00	44.49 3.27 0.00	41.96 3.33 0.00	48.94 3.80 0.00	54.71 4.78 0.00	54.56 5.42 -0.08	53.75 5.01 -5.17	61.39 5.52 -5.52	77.48 4.83 -29.39	91.43 5.64 -37.13	114.33 5.48 -60.91	94.68 6.14 -36.91	107.14 8.06 -19.58	92.05 7.27 -9.04	96.82 7.49 -5.59	64.24 5.03 0.00	56.53 4.33 0.00	49.95 3.53 -0.33
LINDHRST_69_KV_BK1 356055	46.28 4.22 -0.10	39.91 3.40 0.00	38.59 3.11 0.00	36.62 2.81 0.00	34.94 2.82 -0.01	37.04 2.96 -0.06	41.92 3.87 0.00	45.67 4.45 0.00	42.78 4.15 0.00	49.69 4.55 0.00	56.39 6.00 -0.45	59.22 6.52 -3.63	84.07 5.88 -34.61	61.97 6.26 -5.36	80.79 5.88 -31.66	95.16 6.76 -39.73	121.71 6.83 -66.94	145.01 7.68 -85.69	119.42 10.69 -29.22	95.89 10.02 -10.13	97.89 10.42 -3.73	65.86 6.65 0.00	57.58 5.38 0.00	50.98 4.56 -0.33
LIPA_MISC_IPP 23656	46.27 4.21 -0.10	39.68 3.17 0.00	38.36 2.88 0.00	36.39 2.58 0.00	34.84 2.72 -0.01	36.83 2.75 -0.06	41.70 3.65 0.00	45.34 4.12 0.00	42.18 3.55 0.00	48.76 3.61 0.00	55.34 4.95 -0.45	58.18 5.48 -3.63	83.28 5.10 -34.61	60.51 5.37 -4.80	72.62 5.05 -24.32	82.40 5.66 -28.07	93.89 5.82 -40.14	102.59 6.56 -44.40	85.88 9.12 2.74	88.12 8.65 -3.73	92.10 8.76 0.40	63.37 5.34 1.18	56.45 4.25 0.00	50.10 3.68 -0.33

LISF___SOLAR 323691	46.37 4.31 -0.10	39.76 3.25 0.00	38.43 2.95 0.00	36.47 2.65 0.00	34.91 2.78 -0.01	36.91 2.83 -0.06	41.76 3.72 0.00	45.43 4.21 0.00	42.25 3.61 0.00	48.81 3.66 0.00	55.36 4.98 -0.45	58.21 5.51 -3.63	83.33 5.14 -34.61	60.56 5.40 -4.82	72.87 5.10 -24.51	82.81 5.74 -28.41	94.76 5.90 -40.92	103.67 6.65 -45.38	86.85 9.33 1.98	88.39 8.85 -3.80	92.37 8.99 0.35	63.52 5.47 1.17	56.53 4.33 0.00	50.19 3.77 -0.33
LITTLE FALLS___HYD 24013	44.79 2.82 0.00	39.05 2.54 0.00	37.91 2.42 0.00	36.15 2.34 0.00	34.54 2.42 0.00	38.36 2.71 -1.63	44.68 3.21 -3.42	45.77 2.83 -1.71	43.36 2.02 -2.71	47.44 2.30 0.00	51.79 1.85 0.00	53.24 2.47 -1.71	48.54 1.09 -3.87	56.70 2.09 -4.26	49.76 2.65 -3.86	55.28 2.45 -4.17	54.53 2.44 -4.15	59.10 3.09 -4.38	90.37 5.62 -5.25	82.66 6.51 -0.41	91.11 7.37 0.00	65.56 5.02 -1.33	57.21 4.03 -0.98	50.38 3.24 -1.05
LITTLRIV_115KV_TB1 356100	40.49 -1.48 0.00	35.06 -1.45 0.00	34.03 -1.46 0.00	32.56 -1.25 0.00	30.97 -1.15 0.00	23.82 -1.42 8.78	17.66 -1.90 18.49	29.99 -1.98 9.25	21.97 -1.99 14.67	42.92 -2.22 0.00	46.93 -3.01 0.00	36.26 -3.59 9.22	19.53 -3.12 20.93	23.85 -3.48 23.01	19.22 -3.18 20.86	22.25 -3.87 22.54	21.85 -3.67 22.43	24.11 -3.87 23.65	46.36 -5.10 28.04	70.22 -3.62 1.89	80.85 -2.88 0.00	51.04 -2.04 6.13	45.85 -1.84 4.51	39.80 -1.47 4.82
LI_NEWBRDGE___DRP 323616	45.33 3.27 -0.10	39.14 2.63 0.00	37.89 2.41 0.00	35.97 2.16 0.00	34.32 2.20 -0.01	36.37 2.29 -0.06	41.12 3.07 0.00	44.76 3.54 0.00	42.00 3.36 0.00	48.84 3.70 0.00	55.50 5.11 -0.45	58.34 5.64 -3.63	83.17 4.99 -34.60	61.18 5.33 -5.51	77.00 5.00 -28.74	91.06 5.84 -36.56	114.59 5.85 -60.81	119.34 6.47 -61.24	97.98 8.75 -9.73	84.67 8.07 -0.87	89.74 8.25 2.25	62.69 5.19 1.71	56.36 4.16 0.00	49.98 3.56 -0.33
LOCKPORT_115KV_TB60_63_64 80432	27.56 -2.52 11.89	33.71 -2.78 0.03	33.09 -2.39 0.00	31.27 -2.54 0.00	29.46 -2.64 0.02	26.00 -2.50 5.53	22.02 -2.45 13.57	26.53 -1.80 12.89	28.38 -1.54 8.72	42.84 -1.84 0.46	34.49 -1.40 14.05	31.95 -2.07 15.06	26.79 -2.47 14.32	32.57 -2.65 15.13	26.78 -2.14 14.34	31.09 -2.74 14.84	29.47 -3.15 15.32	33.31 -2.85 15.48	53.99 -4.59 20.92	54.46 -3.88 17.40	65.91 -3.84 13.98	38.13 -3.68 17.41	33.00 -3.17 16.03	27.64 -2.77 15.68
LOCKPORT___CC1 323769	26.79 -2.52 12.65	33.68 -2.80 0.03	33.06 -2.43 0.00	31.24 -2.58 0.00	29.38 -2.72 0.02	25.61 -2.55 5.86	21.22 -2.37 14.46	25.66 -1.83 13.73	27.79 -1.58 9.26	42.76 -1.89 0.49	33.67 -1.35 14.92	31.04 -2.04 15.99	25.83 -2.52 15.23	31.64 -2.61 16.09	25.79 -2.25 15.21	30.01 -2.88 15.78	28.59 -3.07 16.28	32.42 -2.77 16.44	52.79 -4.49 22.22	53.29 -3.95 18.49	65.02 -3.86 14.85	37.07 -3.64 18.50	32.08 -3.05 17.07	26.65 -2.83 16.61
LOCKPORT___CC2 323770	26.79 -2.52 12.65	33.68 -2.80 0.03	33.06 -2.43 0.00	31.24 -2.58 0.00	29.38 -2.72 0.02	25.61 -2.55 5.86	21.22 -2.37 14.46	25.66 -1.83 13.73	27.79 -1.58 9.26	42.76 -1.89 0.49	33.67 -1.35 14.92	31.04 -2.04 15.99	25.83 -2.52 15.23	31.64 -2.61 16.09	25.79 -2.25 15.21	30.01 -2.88 15.78	28.59 -3.07 16.28	32.42 -2.77 16.44	52.79 -4.49 22.22	53.29 -3.95 18.49	65.02 -3.86 14.85	37.07 -3.64 18.50	32.08 -3.05 17.07	26.65 -2.83 16.61
LOCKPORT___CC3 323771	26.79 -2.52 12.65	33.68 -2.80 0.03	33.06 -2.43 0.00	31.24 -2.58 0.00	29.38 -2.72 0.02	25.61 -2.55 5.86	21.22 -2.37 14.46	25.66 -1.83 13.73	27.79 -1.58 9.26	42.76 -1.89 0.49	33.67 -1.35 14.92	31.04 -2.04 15.99	25.83 -2.52 15.23	31.64 -2.61 16.09	25.79 -2.25 15.21	30.01 -2.88 15.78	28.59 -3.07 16.28	32.42 -2.77 16.44	52.79 -4.49 22.22	53.29 -3.95 18.49	65.02 -3.86 14.85	37.07 -3.64 18.50	32.08 -3.05 17.07	26.65 -2.83 16.61
LOCUSVLY_69_KV_BK2 55797	45.73 3.66 -0.10	39.48 2.97 0.00	38.22 2.74 0.00	36.29 2.48 0.00	34.61 2.48 -0.01	36.67 2.59 -0.06	41.45 3.40 0.00	45.18 3.96 0.00	42.47 3.84 0.00	49.38 4.24 0.00	56.08 5.69 -0.45	59.03 6.33 -3.63	83.93 5.74 -34.61	62.25 6.27 -5.63	85.21 5.75 -36.20	102.00 6.71 -46.62	137.15 6.68 -82.53	171.92 7.33 -112.96	139.89 9.94 -50.45	100.36 9.08 -15.55	100.30 9.33 -7.23	66.12 5.90 -1.00	57.02 4.82 0.00	50.60 4.18 -0.33
LONG_LAKE_PHOENIX 24014	41.04 -0.92 0.00	35.66 -0.85 0.00	34.66 -0.82 0.00	32.98 -0.84 0.00	31.31 -0.80 0.00	32.38 -0.82 0.81	35.56 -0.89 1.60	39.46 -0.96 0.80	37.45 -0.87 0.31	49.37 -1.04 -5.26	55.45 -1.14 -6.65	53.27 -1.27 -5.47	45.12 -1.12 -2.67	53.78 -1.36 -4.79	44.54 -1.03 -2.32	52.10 -1.13 -4.57	50.99 -1.15 -4.20	55.97 -1.03 -5.36	93.27 -1.46 -15.23	92.20 -0.96 -17.43	103.06 -1.03 -20.36	67.98 -1.07 -9.84	58.13 -1.14 -7.08	44.96 -1.13 0.01
LOVETT___3 23632	44.52 2.55 0.00	38.67 2.16 0.00	37.52 2.04 0.00	35.67 1.86 0.00	33.93 1.81 -0.01	35.98 1.90 -0.06	40.58 2.53 0.00	44.23 3.00 0.00	41.73 3.09 0.00	48.51 3.37 0.00	54.16 4.22 0.00	53.99 4.79 -0.12	52.98 4.38 -5.02	64.13 4.81 -8.98	95.19 4.37 -47.56	114.10 5.10 -60.33	151.95 5.04 -98.98	117.20 5.59 -59.97	97.48 7.37 -10.61	82.48 6.74 0.00	90.62 6.89 0.00	63.72 4.51 0.00	55.99 3.79 0.00	49.51 3.07 -0.34
LOVETT___4 23642	44.52 2.55 0.00	38.67 2.16 0.00	37.52 2.04 0.00	35.67 1.86 0.00	33.93 1.81 -0.01	35.98 1.90 -0.06	40.58 2.53 0.00	44.23 3.00 0.00	41.73 3.09 0.00	48.51 3.37 0.00	54.16 4.22 0.00	53.99 4.79 -0.12	52.98 4.38 -5.02	64.13 4.81 -8.98	95.19 4.37 -47.56	114.10 5.10 -60.33	151.95 5.04 -98.98	117.20 5.59 -59.97	97.48 7.37 -10.61	82.48 6.74 0.00	90.62 6.89 0.00	63.72 4.51 0.00	55.99 3.79 0.00	49.51 3.07 -0.34
LOVETT___5 23593	44.52 2.55 0.00	38.67 2.16 0.00	37.52 2.04 0.00	35.67 1.86 0.00	33.93 1.81 -0.01	35.98 1.90 -0.06	40.58 2.53 0.00	44.23 3.00 0.00	41.73 3.09 0.00	48.51 3.37 0.00	54.16 4.22 0.00	53.99 4.79 -0.12	52.98 4.38 -5.02	64.13 4.81 -8.98	95.19 4.37 -47.56	114.10 5.10 -60.33	151.95 5.04 -98.98	117.20 5.59 -59.97	97.48 7.37 -10.61	82.48 6.74 0.00	90.62 6.89 0.00	63.72 4.51 0.00	55.99 3.79 0.00	49.51 3.07 -0.34
LOWER RAQUET___HYD 24057	39.85 -2.11 0.00	34.46 -2.05 0.00	33.45 -2.03 0.00	32.01 -1.80 0.00	30.45 -1.67 0.00	22.57 -2.03 9.42	15.58 -2.64 19.83	28.49 -2.80 9.93	20.17 -2.73 15.74	42.18 -2.96 0.00	46.25 -3.69 0.00	35.00 -4.17 9.89	17.45 -3.68 22.45	21.51 -4.14 24.69	17.14 -3.74 22.37	20.04 -4.45 24.18	19.66 -4.22 24.05	21.81 -4.46 25.37	43.42 -6.03 30.06	69.23 -4.50 2.01	79.52 -4.21 0.00	49.64 -3.07 6.50	44.69 -2.71 4.79	38.78 -2.20 5.11
LOWER___HUDSON 24059	43.69 1.73 0.00	38.03 1.52 0.00	36.97 1.49 0.00	35.23 1.42 0.00	33.49 1.37 0.00	35.52 1.50 0.00	39.77 1.72 0.00	43.02 1.80 0.00	40.14 1.51 0.00	46.60 1.46 0.00	51.54 1.60 0.00	50.92 1.85 0.00	44.95 1.49 0.12	52.10 1.76 0.00	45.16 1.91 0.00	50.85 2.19 0.00	50.29 2.35 0.00	54.16 2.52 0.00	82.96 3.46 0.00	79.01 3.27 0.00	87.09 3.36 0.00	61.68 2.47 0.00	54.37 2.17 0.00	47.88 1.79 0.00

LOWVILLE_115KV_TB2 356335	41.49 -0.47 0.00	35.24 -1.28 -0.01	34.26 -1.22 0.00	32.69 -1.12 0.00	31.12 -1.00 0.00	68.88 -1.28 -36.14	112.89 -1.27 -76.11	77.95 -1.37 -38.10	97.99 -1.20 -60.55	45.05 -0.98 -0.89	50.13 -0.93 -1.13	85.81 -2.29 -39.03	128.05 -2.44 -86.91	143.62 -2.60 -95.88	127.48 -2.36 -86.59	140.06 -2.47 -93.87	139.20 -2.08 -93.34	148.38 -1.86 -98.61	197.32 -1.91 -119.73	88.38 0.61 -12.02	88.60 1.49 -3.37	90.04 -0.40 -31.22	74.88 -0.30 -22.97	68.82 -0.60 -23.32
LUTHERFT_115KV_GLOB_FND_222 355753	44.16 2.19 0.00	38.37 1.85 0.00	37.29 1.81 0.00	35.53 1.72 0.00	33.75 1.63 0.00	35.87 1.85 0.00	40.18 2.13 0.00	43.41 2.19 0.00	40.48 1.85 0.00	47.11 1.97 0.00	52.22 2.28 0.00	51.55 2.48 0.00	45.45 1.98 0.10	52.74 2.39 0.00	45.67 2.41 0.00	51.43 2.76 0.00	50.81 2.87 0.00	54.81 3.17 0.00	84.31 4.81 0.00	80.41 4.68 0.00	88.71 4.98 0.00	62.69 3.48 0.00	55.16 2.96 0.00	48.53 2.44 0.00
LUTHERNY_35_KV_BK2 355980	44.23 2.26 0.00	38.41 1.90 0.00	37.34 1.86 0.00	35.57 1.76 0.00	33.80 1.68 0.00	35.91 1.89 0.00	40.24 2.19 0.00	43.47 2.25 0.00	40.55 1.91 0.00	47.19 2.05 0.00	52.32 2.38 0.00	51.64 2.57 0.00	45.53 2.06 0.10	52.84 2.49 0.00	45.78 2.52 0.00	51.54 2.88 0.00	50.90 2.96 0.00	54.91 3.27 0.00	84.50 4.99 0.00	80.62 4.88 0.00	88.92 5.19 0.00	62.81 3.60 0.00	55.25 3.05 0.00	48.61 2.51 0.00
LWR__OSWEGATCHIE_HYD 23850	40.24 -1.73 0.00	34.48 -2.02 0.01	33.51 -1.97 0.00	32.01 -1.81 0.00	30.46 -1.66 0.00	15.54 -2.01 16.46	1.02 -2.35 34.67	21.35 -2.51 17.36	8.85 -2.40 27.39	43.37 -2.48 -0.71	47.95 -2.89 -0.90	28.79 -3.83 16.45	1.39 -3.54 38.65	4.13 -3.97 42.24	1.20 -3.55 38.51	3.26 -4.02 41.38	3.01 -3.70 41.22	4.55 -3.73 43.35	24.15 -4.83 50.52	71.46 -2.65 1.62	84.17 -2.15 -2.58	45.76 -2.28 11.17	42.00 -1.94 8.25	34.52 -1.85 9.73
LYONS_FALL_HYD 23570	42.14 0.17 0.00	36.04 -0.47 0.00	35.03 -0.45 0.00	33.40 -0.42 0.00	31.76 -0.36 0.00	33.51 -0.51 0.00	37.62 -0.43 0.00	40.79 -0.44 0.00	38.42 -0.34 -0.14	45.77 -0.12 -0.75	50.83 -0.05 -0.95	48.82 -1.14 -0.89	42.90 -1.31 -0.63	50.01 -1.31 -0.96	42.63 -1.25 -0.63	48.38 -1.21 -0.93	47.93 -0.88 -0.87	52.08 -0.61 -1.05	81.91 -0.10 -2.51	79.96 1.77 -2.45	89.10 2.53 -2.84	61.32 0.66 -1.45	53.77 0.53 -1.05	46.33 0.13 -0.11
MADISON__COUNTY_LFGE 323628	43.17 1.21 0.00	37.41 0.90 0.00	36.34 0.86 0.00	34.60 0.79 0.00	32.86 0.74 0.00	39.46 0.80 -4.63	48.83 1.02 -9.76	47.23 1.12 -4.88	47.64 1.11 -7.89	47.26 1.29 -0.83	52.39 1.40 -1.05	55.76 0.83 -5.86	56.01 0.68 -11.75	64.45 0.88 -13.22	55.61 0.65 -11.71	62.51 0.92 -12.92	61.80 1.05 -12.80	66.66 1.38 -13.65	99.92 2.65 -17.77	83.12 3.43 -3.95	90.98 4.04 -3.21	66.93 2.28 -5.44	57.95 1.77 -3.98	50.49 1.29 -3.11
MALONE__115KV_TB1 356076	40.55 -1.41 0.00	35.16 -1.35 0.00	34.01 -1.47 0.00	32.65 -1.16 0.00	31.08 -1.04 0.00	28.41 -1.21 4.40	27.18 -1.60 9.27	34.84 -1.75 4.64	29.55 -1.73 7.36	43.45 -1.70 0.00	47.64 -2.30 0.00	41.94 -2.50 4.63	30.80 -2.27 10.50	36.30 -2.50 11.55	30.46 -2.34 10.46	34.30 -3.06 11.31	33.83 -2.86 11.25	36.81 -2.96 11.86	61.70 -3.69 14.11	71.49 -3.26 0.99	80.68 -3.06 0.00	53.81 -2.19 3.20	47.96 -1.89 2.36	41.85 -1.73 2.52
MAPLEWOD_115KV_TB3 80458	43.65 1.68 0.00	38.04 1.53 0.00	36.96 1.48 0.00	35.20 1.39 0.00	33.47 1.35 0.00	35.46 1.44 0.00	39.68 1.64 0.00	42.96 1.73 0.00	40.12 1.49 0.00	46.61 1.47 0.00	51.57 1.63 0.00	50.92 1.85 0.00	44.99 1.53 0.12	52.18 1.84 0.00	45.23 1.97 0.00	50.82 2.16 0.00	50.27 2.33 0.00	54.15 2.51 0.00	82.84 3.34 0.00	78.88 3.14 0.00	86.86 3.13 0.00	61.47 2.26 0.00	54.15 1.95 0.00	47.70 1.61 0.00
MAPLE_RIDGE_WT_1 323574	41.31 -0.66 0.00	35.76 -0.75 0.00	34.79 -0.70 0.00	33.29 -0.52 0.00	31.59 -0.53 0.00	33.38 -0.65 0.00	37.18 -0.86 0.00	40.33 -0.90 0.00	37.81 -0.82 0.00	44.59 -0.55 0.00	49.18 -0.76 0.00	48.00 -1.07 0.00	42.42 -1.15 0.00	49.01 -1.34 0.00	42.09 -1.16 0.00	47.15 -1.51 0.00	46.56 -1.37 0.00	50.49 -1.15 0.00	77.85 -1.65 0.00	74.44 -1.30 0.00	82.47 -1.27 0.00	57.99 -1.22 0.00	51.13 -1.07 0.00	45.17 -0.92 0.00
MAPLE_RIDGE_WT_2 323611	41.31 -0.66 0.00	35.76 -0.75 0.00	34.79 -0.70 0.00	33.29 -0.52 0.00	31.59 -0.53 0.00	33.38 -0.65 0.00	37.18 -0.86 0.00	40.33 -0.90 0.00	37.81 -0.82 0.00	44.59 -0.55 0.00	49.18 -0.76 0.00	48.00 -1.07 0.00	42.42 -1.15 0.00	49.01 -1.34 0.00	42.09 -1.16 0.00	47.15 -1.51 0.00	46.56 -1.37 0.00	50.49 -1.15 0.00	77.85 -1.65 0.00	74.44 -1.30 0.00	82.47 -1.27 0.00	57.99 -1.22 0.00	51.13 -1.07 0.00	45.17 -0.92 0.00
MARBLE_RIVER_WT_PWR 323696	40.79 -1.17 0.00	35.37 -1.14 0.00	34.21 -1.28 0.00	32.84 -0.97 0.00	31.25 -0.87 0.00	31.07 -0.97 1.99	32.56 -1.30 4.19	37.59 -1.54 2.09	33.79 -1.53 3.31	43.69 -1.45 0.00	48.00 -1.94 0.00	45.04 -1.95 2.08	37.10 -1.75 4.72	43.21 -1.94 5.19	36.68 -1.87 4.70	41.12 -2.46 5.08	40.47 -2.41 5.06	43.80 -2.51 5.33	70.05 -3.06 6.39	72.11 -3.13 0.49	80.53 -3.20 0.00	55.37 -2.24 1.60	49.17 -1.85 1.18	43.15 -1.69 1.26
MARSHVLE_115KV_TB1 80742	43.56 1.60 0.00	37.81 1.30 0.00	36.72 1.24 0.00	34.99 1.17 0.00	33.33 1.21 -0.01	35.57 1.48 -0.07	39.75 1.70 0.00	42.40 1.17 0.00	39.63 1.00 0.00	46.38 1.24 0.00	51.11 1.17 0.00	49.99 0.93 0.00	43.98 0.40 0.00	51.09 0.75 0.00	44.82 1.19 -0.37	49.17 0.51 0.00	48.23 0.29 0.00	52.34 0.70 0.00	81.66 2.16 0.00	79.28 3.54 0.00	88.22 4.48 0.00	62.06 2.85 0.00	54.54 2.34 0.00	48.31 1.86 -0.35
MARSH_HILL_WT_PWR 323713	93.86 -2.61 -54.50	34.71 -1.94 -0.14	34.57 -0.92 0.00	32.90 -0.92 0.00	30.32 -1.76 0.04	54.94 -2.76 -23.68	98.44 -2.00 -62.38	99.28 -1.29 -59.34	77.79 -0.77 -39.93	46.43 -1.56 -2.84	112.12 -2.65 -64.84	114.97 -3.17 -69.07	106.58 -2.93 -65.93	116.86 -3.46 -69.98	99.38 -2.39 -58.51	115.74 -1.46 -68.54	116.41 -2.12 -70.59	120.78 -2.36 -71.50	173.85 -3.40 -97.75	155.41 -2.31 -81.99	147.74 -2.80 -66.80	137.28 -2.90 -80.96	125.07 -2.24 -75.11	107.52 -2.89 -64.31
MCINTYRE_115KV_TB2 80467	41.08 -0.89 0.00	35.62 -0.88 0.00	34.59 -0.89 0.00	33.09 -0.72 0.00	31.47 -0.65 0.00	25.44 -0.82 7.76	20.54 -1.17 16.33	31.87 -1.18 8.17	24.40 -1.27 12.96	43.65 -1.49 0.00	47.68 -2.25 0.00	38.08 -2.84 8.15	22.67 -2.42 18.49	27.35 -2.67 20.33	22.33 -2.50 18.42	25.63 -3.12 19.91	25.17 -2.96 19.81	27.60 -3.15 20.89	50.67 -4.03 24.81	71.22 -2.81 1.71	82.06 -1.68 0.00	52.57 -1.11 5.52	47.09 -1.04 4.07	40.95 -0.80 4.34
MECO____69_KV_BK1 80468	44.56 2.59 0.00	38.67 2.16 0.00	37.52 2.04 0.00	35.72 1.90 0.00	34.00 1.87 0.00	36.26 2.18 -0.06	40.57 2.52 0.00	43.22 2.00 0.00	40.07 1.44 0.00	47.09 1.95 0.00	51.73 1.79 0.00	50.51 1.45 0.00	44.30 0.72 0.00	51.53 1.19 0.00	45.76 2.19 -0.31	49.90 1.24 0.00	49.14 1.20 0.00	53.51 1.88 0.00	83.82 4.32 0.00	81.41 5.67 0.00	90.55 6.81 0.00	63.75 4.54 0.00	55.86 3.67 0.00	49.31 2.91 -0.30

MENANDS__115KV_TB5 355628	43.39 1.42 0.00	37.83 1.32 0.00	36.77 1.29 0.00	35.02 1.21 0.00	33.31 1.19 0.00	35.28 1.26 0.00	39.48 1.43 0.00	42.74 1.52 0.00	39.91 1.27 0.00	46.36 1.22 0.00	51.25 1.32 0.00	50.63 1.56 0.00	44.73 1.27 0.12	51.86 1.52 0.00	44.92 1.67 0.00	50.49 1.83 0.00	49.95 2.01 0.00	53.74 2.10 0.00	82.11 2.61 0.00	78.14 2.40 0.00	86.03 2.30 0.00	60.91 1.70 0.00	53.70 1.50 0.00	47.35 1.25 0.00
MG INDUSTRY__DRP 24185	43.36 1.39 0.00	37.84 1.34 0.00	36.79 1.31 0.00	35.04 1.23 0.00	33.32 1.20 0.00	35.30 1.28 0.00	39.47 1.42 0.00	42.58 1.36 0.00	39.71 1.08 0.00	46.08 0.94 0.00	50.94 1.01 0.00	50.08 1.02 0.00	43.69 0.21 0.10	50.50 0.16 0.00	43.78 0.52 0.00	49.21 0.55 0.00	48.63 0.69 0.00	45.98 0.52 6.18	80.03 0.53 0.00	76.37 0.63 0.00	84.19 0.46 0.00	59.60 0.39 0.00	52.60 0.40 0.00	46.66 0.57 0.00
MID__OSWEGATCHIE_HYD 23849	40.24 -1.73 0.00	34.48 -2.02 0.01	33.51 -1.97 0.00	32.01 -1.81 0.00	30.46 -1.66 0.00	15.54 -2.01 16.46	1.02 -2.35 34.67	21.35 -2.51 17.36	8.85 -2.40 27.39	43.37 -2.48 -0.71	47.95 -2.89 -0.90	28.79 -3.83 16.45	1.39 -3.54 38.65	4.13 -3.97 42.24	1.20 -3.55 38.51	3.26 -4.02 41.38	3.01 -3.70 41.22	4.55 -3.73 43.35	24.15 -4.83 50.52	71.46 -2.65 1.62	84.17 -2.15 -2.58	45.76 -2.28 11.17	42.00 -1.94 8.25	34.52 -1.85 9.73
MID__RAQUETTE_HYD 23851	39.86 -2.11 0.00	34.46 -2.05 0.00	33.45 -2.04 0.00	32.01 -1.80 0.00	30.45 -1.67 0.00	22.57 -2.03 9.42	15.59 -2.63 19.83	28.49 -2.80 9.93	20.17 -2.73 15.74	42.18 -2.96 0.00	46.27 -3.67 0.00	35.01 -4.17 9.89	17.45 -3.68 22.45	21.52 -4.13 24.69	17.14 -3.74 22.37	20.03 -4.46 24.18	19.67 -4.22 24.05	21.82 -4.45 25.37	43.42 -6.03 30.06	69.23 -4.50 2.01	79.53 -4.21 0.00	49.64 -3.07 6.50	44.70 -2.71 4.79	38.79 -2.19 5.11
MILLIKEN__1 23584	46.09 0.68 -3.44	37.06 0.54 -0.01	36.00 0.51 0.00	34.27 0.46 0.00	32.51 0.41 0.01	35.89 0.51 -1.36	42.79 0.73 -4.02	47.32 1.34 -4.75	43.48 1.38 -3.47	48.24 1.42 -1.69	58.34 1.38 -7.03	56.16 0.65 -6.44	49.72 0.46 -5.68	57.44 0.49 -6.60	48.17 0.53 -4.39	55.94 0.85 -6.43	54.93 0.57 -6.42	59.44 0.90 -6.90	93.35 1.90 -11.94	89.54 2.78 -11.02	97.95 3.22 -11.00	69.47 1.71 -8.55	60.59 1.16 -7.24	50.40 0.69 -3.61
MILLIKEN__2 23585	46.09 0.68 -3.44	37.06 0.54 -0.01	36.00 0.51 0.00	34.27 0.46 0.00	32.51 0.41 0.01	35.89 0.51 -1.36	42.79 0.73 -4.02	47.32 1.34 -4.75	43.48 1.38 -3.47	48.24 1.42 -1.69	58.34 1.38 -7.03	56.16 0.65 -6.44	49.72 0.46 -5.68	57.44 0.49 -6.60	48.17 0.53 -4.39	55.94 0.85 -6.43	54.93 0.57 -6.42	59.44 0.90 -6.90	93.35 1.90 -11.94	89.54 2.78 -11.02	97.95 3.22 -11.00	69.47 1.71 -8.55	60.59 1.16 -7.24	50.40 0.69 -3.61
MILLIKEN__DIESEL 23629	46.09 0.68 -3.44	37.06 0.54 -0.01	36.00 0.51 0.00	34.27 0.46 0.00	32.51 0.41 0.01	35.89 0.51 -1.36	42.79 0.73 -4.02	47.32 1.34 -4.75	43.48 1.38 -3.47	48.24 1.42 -1.69	58.34 1.38 -7.03	56.16 0.65 -6.44	49.72 0.46 -5.68	57.44 0.49 -6.60	48.17 0.53 -4.39	55.94 0.85 -6.43	54.93 0.57 -6.42	59.44 0.90 -6.90	93.35 1.90 -11.94	89.54 2.78 -11.02	97.95 3.22 -11.00	69.47 1.71 -8.55	60.59 1.16 -7.24	50.40 0.69 -3.61
MILLSEAT__LFGE 323607	30.87 -1.24 9.85	34.75 -1.73 0.03	34.03 -1.45 0.00	32.17 -1.65 0.00	30.29 -1.81 0.02	27.86 -1.56 4.61	25.57 -1.23 11.25	29.92 -0.61 10.69	30.81 -0.59 7.23	43.99 -0.77 0.38	37.84 -0.45 11.65	35.40 -1.18 12.48	29.96 -1.75 11.87	36.07 -1.74 12.54	29.88 -1.35 12.03	34.64 -1.73 12.29	33.17 -2.08 12.69	37.24 -1.57 12.82	59.99 -2.18 17.33	60.11 -1.21 14.41	71.55 -0.61 11.58	43.38 -1.41 14.42	37.62 -1.30 13.27	31.57 -1.40 13.12
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	44.67 2.71 0.00	38.76 2.25 0.00	37.62 2.13 0.00	35.77 1.95 0.00	34.03 1.90 -0.01	36.09 2.00 -0.06	40.70 2.65 0.00	44.38 3.16 0.00	41.82 3.18 0.00	48.66 3.52 0.00	54.35 4.42 0.00	54.14 4.99 -0.08	52.93 4.55 -4.81	61.45 5.01 -6.09	80.16 4.53 -32.37	94.88 5.29 -40.93	120.28 5.20 -67.14	98.09 5.77 -40.68	94.33 7.63 -7.19	82.71 6.97 0.00	90.89 7.16 0.00	63.93 4.71 0.00	56.18 3.98 0.00	49.67 3.24 -0.33
MILLWOOD_13_KV_LOAD 356217	44.79 2.83 0.00	38.87 2.36 0.00	37.70 2.22 0.00	35.85 2.03 0.00	34.11 1.99 -0.01	36.17 2.09 -0.06	40.80 2.75 0.00	44.49 3.27 0.00	41.93 3.30 0.00	48.78 3.64 0.00	54.52 4.58 0.00	54.31 5.16 -0.08	53.09 4.70 -4.81	61.66 5.23 -6.09	80.35 4.72 -32.37	95.12 5.53 -40.93	120.53 5.45 -67.14	98.33 6.01 -40.68	94.69 8.00 -7.19	83.03 7.29 0.00	91.26 7.52 0.00	64.15 4.94 0.00	56.36 4.16 0.00	49.82 3.39 -0.33
MODEL_CITY_ENERGY 24167	26.57 -2.83 12.56	33.26 -3.21 0.03	32.67 -2.81 0.00	30.89 -2.92 0.00	29.06 -3.04 0.02	25.34 -2.82 5.85	21.07 -2.66 14.32	25.46 -2.15 13.61	27.49 -1.91 9.23	42.27 -2.38 0.49	33.36 -1.69 14.90	30.75 -2.36 15.97	25.61 -2.81 15.15	31.40 -2.96 15.99	25.56 -2.61 15.08	29.63 -3.35 15.69	28.20 -3.50 16.24	31.93 -3.29 16.42	51.87 -5.45 22.19	52.33 -4.95 18.46	63.92 -4.98 14.83	36.42 -4.33 18.46	31.78 -3.49 16.92	26.35 -3.17 16.57
MODERN_LFGE__ 323580	26.57 -2.83 12.56	33.26 -3.21 0.03	32.67 -2.81 0.00	30.89 -2.92 0.00	29.06 -3.04 0.02	25.34 -2.82 5.85	21.07 -2.66 14.32	25.46 -2.15 13.61	27.49 -1.91 9.23	42.27 -2.38 0.49	33.36 -1.69 14.90	30.75 -2.36 15.97	25.61 -2.81 15.15	31.40 -2.96 15.99	25.56 -2.61 15.08	29.63 -3.35 15.69	28.20 -3.50 16.24	31.93 -3.29 16.42	51.87 -5.45 22.19	52.33 -4.95 18.46	63.92 -4.98 14.83	36.42 -4.33 18.46	31.78 -3.49 16.92	26.35 -3.17 16.57
MOHAWK_PAPER__DRP 24187	43.65 1.68 0.00	38.04 1.53 0.00	36.96 1.48 0.00	35.20 1.39 0.00	33.47 1.35 0.00	35.46 1.44 0.00	39.68 1.64 0.00	42.96 1.73 0.00	40.12 1.49 0.00	46.61 1.47 0.00	51.57 1.63 0.00	50.92 1.85 0.00	44.99 1.53 0.12	52.18 1.84 0.00	45.23 1.97 0.00	50.82 2.16 0.00	50.27 2.33 0.00	54.15 2.51 0.00	82.84 3.34 0.00	78.88 3.14 0.00	86.86 3.13 0.00	61.47 2.26 0.00	54.15 1.95 0.00	47.70 1.61 0.00
MOHICAN__35_KV_115KV_LD 80490	44.36 2.40 0.00	38.41 1.90 0.00	37.38 1.90 0.00	35.63 1.82 0.00	33.81 1.69 0.00	36.13 2.10 0.00	40.48 2.44 0.00	43.64 2.42 0.00	40.59 1.96 0.00	47.22 2.08 0.00	52.49 2.55 0.00	51.87 2.80 0.00	45.64 2.17 0.10	52.92 2.58 0.00	45.75 2.50 0.00	51.82 3.16 0.00	51.16 3.22 0.00	55.20 3.56 0.00	85.17 5.67 0.00	81.16 5.42 0.00	89.74 6.00 0.00	63.41 4.20 0.00	55.76 3.56 0.00	49.06 2.97 0.00
MONGAUP__HYD 23641	44.37 2.41 0.00	38.54 2.03 0.00	37.58 2.10 0.00	35.84 2.03 0.00	34.08 1.96 -0.01	36.17 2.09 -0.07	40.73 2.68 0.00	44.15 2.93 0.00	41.39 2.76 0.00	47.87 2.73 0.00	53.36 3.42 0.00	52.57 3.92 0.42	40.48 3.57 6.67	24.36 3.89 29.87	-109.88 3.62 156.76	-147.58 4.59 200.84	-277.02 4.51 329.48	-142.43 5.57 199.64	50.55 6.36 35.31	82.10 6.37 0.00	90.70 6.97 0.00	63.73 4.52 0.00	55.89 3.69 0.00	49.38 2.91 -0.37

MONTAUK___DIESEL 23721	45.48 3.41 -0.10	38.88 2.37 0.00	37.57 2.09 0.00	35.63 1.82 0.00	34.16 2.04 -0.01	36.11 2.03 -0.06	40.94 2.89 0.00	44.52 3.29 0.00	41.40 2.77 0.00	47.78 2.64 0.00	54.26 3.88 -0.45	57.18 4.47 -3.63	82.41 4.23 -34.61	59.57 4.42 -4.80	71.93 4.29 -24.39	81.72 4.86 -28.19	93.54 5.18 -40.42	102.33 5.95 -44.74	85.26 8.24 2.47	87.25 7.76 -3.76	91.14 7.79 0.38	62.50 4.47 1.17	55.51 3.31 0.00	49.18 2.76 -0.33
MOONROAD_115KV_HARTFLD_TB1-2 355988	24.91 -1.76 15.29	34.83 -1.63 0.04	34.15 -1.33 0.00	31.62 -2.19 0.00	29.28 -2.82 0.02	24.19 -2.79 7.03	18.67 -1.89 17.49	23.28 -1.36 16.59	26.48 -1.01 11.14	43.49 -1.06 0.59	31.14 -0.89 17.90	28.04 -1.84 19.19	23.56 -1.77 18.25	29.66 -1.29 19.40	24.11 -0.78 18.36	28.61 -1.05 19.01	26.40 -1.80 19.74	29.76 -1.88 20.00	49.09 -3.38 27.03	51.25 -1.98 22.51	63.87 -1.78 18.08	34.94 -1.75 22.52	28.43 -2.84 20.93	22.67 -3.20 20.22
MORRIS_RIDGE___SOLAR 323848	-19.78 -2.28 59.46	34.45 -1.91 0.15	34.18 -1.30 0.00	32.41 -1.40 0.00	30.24 -1.84 0.03	5.17 -2.20 26.66	-31.93 -1.89 68.09	-24.78 -1.43 64.57	-5.64 -1.07 43.21	41.84 -1.55 1.76	-23.81 -2.10 71.64	-27.14 -2.22 73.99	-29.53 -2.30 70.81	-27.22 -2.71 74.85	-26.17 -2.10 67.32	-26.35 -1.67 73.34	-29.79 -2.10 75.62	-26.79 -2.18 76.25	-25.95 -3.20 102.26	-11.31 -2.33 84.71	13.85 -2.50 67.38	-29.09 -2.74 85.55	-29.78 -2.18 79.81	-30.56 -2.55 74.11
MORTIMER_115KV_TB3 55949	41.27 -0.70 -0.01	35.66 -0.85 0.00	34.74 -0.75 0.00	32.93 -0.89 0.00	31.12 -0.98 0.01	32.95 -0.92 0.16	37.26 -0.81 -0.02	40.86 -0.38 -0.01	38.43 -0.20 0.00	44.98 -0.16 0.00	49.91 -0.03 0.00	48.66 -0.40 0.00	42.81 -0.77 -0.01	49.61 -0.74 -0.01	41.87 -0.51 0.87	48.26 -0.41 -0.01	47.32 -0.62 0.00	51.49 -0.15 0.00	79.57 0.07 0.00	76.20 0.46 0.00	84.35 0.62 0.00	58.77 -0.44 0.00	51.55 -0.67 -0.02	44.44 -0.80 0.85
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	44.88 2.92 0.00	38.90 2.39 0.00	37.75 2.27 0.00	35.89 2.08 0.00	34.17 2.04 -0.01	36.21 2.13 -0.06	40.90 2.85 0.00	44.64 3.42 0.00	42.07 3.43 0.00	49.03 3.89 0.00	54.84 4.91 0.00	54.67 5.53 -0.08	53.80 5.05 -5.17	61.43 5.57 -5.52	77.53 4.92 -29.36	91.46 5.71 -37.08	114.31 5.54 -60.83	94.64 6.15 -36.86	89.51 8.16 -1.85	79.89 7.39 3.24	89.34 7.60 2.00	64.34 5.13 0.00	56.58 4.38 0.00	50.02 3.59 -0.33
MUNSVILLE_WIND_PWR 323609	45.66 1.44 -2.25	37.70 1.19 -0.01	36.71 1.23 0.00	35.31 1.49 0.00	33.94 1.81 -0.01	37.24 2.12 -1.10	43.00 2.36 -2.59	46.44 2.50 -2.71	43.38 2.75 -2.00	49.02 2.77 -1.11	56.71 2.58 -4.20	55.48 2.32 -4.09	48.92 1.54 -3.81	56.57 2.01 -4.22	48.69 1.46 -3.97	54.13 1.36 -4.11	53.06 1.02 -4.11	58.74 2.71 -4.39	92.82 5.80 -7.52	89.80 7.18 -6.89	98.48 7.93 -6.82	69.19 4.58 -5.40	59.94 3.15 -4.59	51.79 2.23 -3.46
N SALMON___HYD 24042	40.55 -1.41 0.00	35.16 -1.35 0.00	34.01 -1.47 0.00	32.65 -1.16 0.00	31.09 -1.03 0.00	28.41 -1.21 4.40	27.18 -1.61 9.27	34.84 -1.75 4.64	29.55 -1.72 7.36	43.45 -1.70 0.00	47.63 -2.31 0.00	41.93 -2.51 4.63	30.80 -2.27 10.50	36.29 -2.51 11.55	30.46 -2.33 10.46	34.30 -3.06 11.31	33.82 -2.87 11.25	36.81 -2.96 11.86	61.71 -3.69 14.11	71.49 -3.26 0.99	80.68 -3.06 0.00	53.81 -2.20 3.20	47.95 -1.89 2.36	41.85 -1.73 2.52
N.AKRON__115KV_KNAPP 355671	29.66 -1.64 10.66	34.47 -2.01 0.03	33.79 -1.69 0.00	31.94 -1.87 0.00	30.10 -2.01 0.02	27.25 -1.80 4.97	24.24 -1.64 12.17	28.72 -0.94 11.56	30.00 -0.82 7.82	43.74 -0.99 0.41	36.63 -0.71 12.60	34.14 -1.43 13.50	28.92 -1.82 12.84	34.89 -1.89 13.56	29.15 -1.16 12.94	33.49 -1.87 13.30	31.77 -2.43 13.73	35.80 -1.96 13.87	57.85 -2.90 18.75	58.19 -1.95 15.60	69.67 -1.54 12.53	41.49 -2.13 15.60	35.89 -1.94 14.36	30.16 -1.80 14.14
N.BELMOR_69_KV_BK1 55787	45.69 3.63 -0.10	39.43 2.92 0.00	38.14 2.66 0.00	36.22 2.41 0.00	34.55 2.42 -0.01	36.62 2.54 -0.06	41.39 3.34 0.00	45.10 3.88 0.00	42.35 3.72 0.00	49.26 4.12 0.00	55.92 5.53 -0.45	58.78 6.07 -3.63	83.51 5.33 -34.61	61.53 5.67 -5.51	86.70 5.42 -38.03	103.40 6.27 -48.46	140.15 6.30 -85.90	187.81 7.02 -129.16	152.52 9.61 -63.41	106.66 8.85 -22.07	104.46 9.28 -11.44	67.34 5.93 -2.21	57.02 4.82 0.00	50.52 4.10 -0.33
N.E._GEN_SANDY PD 24062	50.56 1.94 -6.66	44.52 1.68 -6.33	50.39 1.65 -13.26	40.23 1.56 -4.85	43.50 1.55 -9.84	39.99 1.64 -4.33	43.19 1.93 -3.21	47.52 2.12 -4.17	40.82 1.90 -0.29	47.70 1.84 -0.71	51.60 2.06 0.40	51.51 2.44 0.00	45.42 2.06 0.22	52.70 2.35 0.00	45.64 2.38 0.00	53.89 2.73 -2.49	140.93 2.95 -90.04	87.68 3.17 -32.87	85.65 4.03 -2.12	84.35 3.70 -4.91	87.44 3.71 0.00	72.84 2.74 -10.89	75.94 2.42 -21.32	58.40 2.01 -10.30
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	44.64 2.68 0.00	38.77 2.26 0.00	37.60 2.12 0.00	35.76 1.94 0.00	34.00 1.88 -0.01	36.06 1.98 -0.06	40.67 2.62 0.00	44.34 3.11 0.00	41.84 3.21 0.00	48.67 3.53 0.00	54.35 4.41 0.00	54.22 5.01 -0.14	53.41 4.59 -5.24	65.56 5.07 -10.14	101.57 4.62 -53.70	122.23 5.40 -68.17	165.12 5.34 -111.84	125.31 5.90 -67.77	99.32 7.82 -11.99	82.88 7.14 0.00	91.05 7.32 0.00	63.99 4.78 0.00	56.20 4.00 0.00	49.68 3.24 -0.34
N.QUEENS_27_KV_LOAD 356247	45.06 3.09 0.00	39.06 2.55 0.00	37.96 2.48 0.00	36.11 2.29 0.00	34.35 2.23 -0.01	36.26 2.18 -0.06	41.12 3.08 0.00	44.90 3.68 0.00	42.33 3.69 0.00	49.30 4.15 0.00	55.14 5.20 0.00	55.03 5.89 -0.08	54.11 5.36 -5.17	61.62 5.75 -5.52	77.79 5.16 -29.38	91.81 6.04 -37.11	114.33 5.53 -60.87	94.54 6.02 -36.88	85.91 8.26 1.85	79.35 7.54 3.92	88.96 7.65 2.43	64.25 5.05 0.01	56.58 4.39 0.01	50.03 3.60 -0.33
N.TROY___115KV_TB1 355778	43.69 1.73 0.00	38.03 1.52 0.00	36.97 1.49 0.00	35.23 1.42 0.00	33.50 1.37 0.00	35.52 1.50 0.00	39.77 1.72 0.00	43.02 1.79 0.00	40.14 1.51 0.00	46.60 1.46 0.00	51.54 1.61 0.00	50.92 1.85 0.00	44.95 1.49 0.12	52.11 1.77 0.00	45.16 1.91 0.00	50.85 2.18 0.00	50.29 2.35 0.00	54.16 2.52 0.00	82.96 3.46 0.00	79.01 3.27 0.00	87.09 3.36 0.00	61.70 2.49 0.00	54.38 2.18 0.00	47.88 1.79 0.00
NARROWS_GT1_1 24228	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT1_2 24229	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33

NARROWS_GT1_3 24230	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT1_4 24231	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT1_5 24232	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT1_6 24233	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT1_7 24234	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT1_8 24235	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT2_1 24236	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.70 5.07 -29.38	91.67 5.90 -37.11	114.50 5.68 -60.87	94.79 6.27 -36.88	103.38 8.70 -15.17	92.80 8.03 -9.03	97.40 8.08 -5.58	64.54 5.33 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NARROWS_GT2_2 24237	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.																				

NCHELSEA_115KV_TR2 355582	44.96 3.00 0.00	39.05 2.54 0.00	37.88 2.40 0.00	36.02 2.21 0.00	34.26 2.14 -0.01	36.36 2.28 -0.06	40.94 2.90 0.00	44.62 3.40 0.00	42.02 3.39 0.00	48.86 3.72 0.00	54.54 4.60 0.00	54.28 5.17 -0.05	49.22 4.65 -0.99	59.14 5.22 -3.57	66.77 4.83 -18.69	77.84 5.72 -23.45	92.10 5.68 -38.48	81.18 6.23 -23.32	92.09 8.46 -4.12	83.59 7.85 0.00	91.86 8.12 0.00	64.54 5.34 0.00	56.66 4.46 0.00	50.00 3.58 -0.33
NEG CAPITAL___MECHNVIL 23645	44.29 2.33 0.00	38.49 1.98 0.00	37.40 1.92 0.00	35.63 1.81 0.00	33.84 1.73 0.00	35.96 1.94 0.00	40.28 2.24 0.00	43.55 2.33 0.00	40.64 2.01 0.00	47.31 2.17 0.00	52.41 2.47 0.00	51.75 2.68 0.00	45.64 2.17 0.11	52.96 2.62 0.00	45.88 2.63 0.00	51.67 3.01 0.00	51.07 3.13 0.00	55.10 3.47 0.00	84.68 5.18 0.00	80.73 4.99 0.00	89.04 5.30 0.00	62.90 3.69 0.00	55.32 3.12 0.00	48.66 2.56 0.00
NEG CENTRAL_HIGH_ACRES 23767	40.85 -1.12 0.00	35.33 -1.18 0.00	34.37 -1.11 0.00	32.61 -1.20 0.00	30.85 -1.25 0.01	32.69 -1.19 0.14	36.93 -1.12 0.00	40.32 -0.90 0.00	37.90 -0.73 0.00	44.32 -0.83 0.00	49.15 -0.79 0.00	47.99 -1.08 0.00	42.32 -1.25 0.00	49.04 -1.30 0.00	41.42 -1.06 0.78	47.61 -1.05 0.00	46.95 -0.99 0.00	50.97 -0.67 0.00	78.83 -0.68 0.00	75.43 -0.31 0.00	83.39 -0.34 0.00	58.21 -1.00 0.00	51.00 -1.20 0.00	44.04 -1.30 0.75
NEG CENTRAL___DRP 24199	46.45 0.07 -4.42	36.52 0.00 -0.01	35.54 0.06 0.00	33.80 -0.01 0.00	31.95 -0.15 0.02	35.68 -0.12 -1.78	43.24 0.13 -5.06	46.46 0.39 -4.84	42.74 0.54 -3.57	47.59 0.47 -1.98	57.82 0.39 -7.49	56.72 0.01 -7.65	50.28 -0.08 -6.79	58.01 -0.22 -7.89	48.74 0.05 -5.44	56.74 0.39 -7.69	55.97 0.30 -7.73	60.27 0.41 -8.23	94.30 1.03 -13.77	90.13 1.85 -12.53	98.07 2.11 -12.23	70.05 0.80 -10.04	61.20 0.38 -8.62	50.86 0.00 -4.76
NEG CENTRAL___INDECK 23768	87.96 0.21 -45.78	36.63 0.00 -0.11	35.85 0.37 0.00	33.99 0.18 0.00	31.89 -0.20 0.03	53.70 -0.27 -19.95	90.81 0.34 -52.41	92.06 1.04 -49.79	73.09 1.00 -33.46	47.92 0.59 -2.18	104.21 0.14 -54.13	106.08 -0.82 -57.83	96.27 -2.49 -55.19	105.63 -3.30 -58.59	89.53 -3.07 -49.35	103.18 -2.87 -57.39	103.76 -3.31 -59.13	108.25 -3.24 -59.85	156.38 -4.64 -81.52	140.94 -2.96 -68.16	136.37 -2.64 -55.28	124.55 -2.28 -67.62	116.31 1.32 -62.79	100.81 0.42 -54.29
NEG CENTRAL___SENECA 23627	48.99 -0.02 -7.04	36.45 -0.08 -0.02	35.54 0.06 0.00	33.77 -0.05 0.00	31.85 -0.24 0.02	36.68 -0.22 -2.88	46.22 0.13 -8.05	49.42 0.51 -7.69	44.62 0.65 -5.33	46.98 0.57 -1.27	59.91 0.45 -9.53	59.03 0.04 -9.92	52.70 -0.07 -9.19	60.26 -0.21 -10.13	50.65 0.09 -7.31	59.11 0.55 -9.89	58.39 0.36 -10.10	62.55 0.48 -10.44	96.34 1.27 -15.57	91.50 2.14 -13.62	98.30 2.41 -12.15	72.33 0.89 -12.23	63.65 0.44 -11.01	53.64 0.01 -7.54
NEG CENTRAL___STATE_STREET 24147	44.12 0.39 -1.76	36.81 0.29 0.00	35.68 0.20 0.00	34.03 0.21 0.00	32.26 0.15 0.01	34.92 0.24 -0.66	40.47 0.33 -2.09	44.72 0.61 -2.89	41.71 0.76 -2.32	48.14 0.78 -2.22	56.50 0.78 -5.78	54.33 0.18 -5.08	47.76 0.07 -4.10	55.57 -0.05 -5.27	46.77 0.24 -3.27	54.26 0.48 -5.11	53.35 0.40 -5.01	57.73 0.48 -5.61	91.58 1.01 -11.06	88.23 1.92 -10.57	97.31 2.25 -11.32	67.50 1.00 -7.29	58.64 0.63 -5.81	48.14 0.18 -1.86
NEG MILLWOOD___DRP 24198	45.03 3.06 0.00	39.06 2.55 0.00	37.90 2.42 0.00	36.02 2.21 0.00	34.28 2.15 -0.01	36.37 2.29 -0.06	40.99 2.94 0.00	44.71 3.49 0.00	42.12 3.48 0.00	49.01 3.87 0.00	54.74 4.81 0.00	54.53 5.41 -0.05	48.74 4.93 -0.24	59.14 5.55 -3.25	65.65 5.08 -17.32	76.34 5.98 -21.71	89.45 5.90 -35.60	79.68 6.48 -21.57	92.11 8.80 -3.82	83.84 8.11 0.00	92.09 8.35 0.00	64.69 5.48 0.00	56.76 4.56 0.00	50.10 3.68 -0.32
NEG NORTH_FLCN_SEA 23793	41.22 -0.74 0.00	35.68 -0.83 0.00	34.55 -0.93 0.00	33.16 -0.66 0.00	31.54 -0.58 0.00	31.38 -0.56 2.08	32.81 -0.86 4.38	37.91 -1.13 2.19	34.51 -0.54 3.58	44.83 -0.31 0.00	49.08 -0.86 0.00	46.09 -0.72 2.26	37.54 -0.92 5.12	43.89 -0.83 5.63	37.34 -0.81 5.10	41.58 -1.57 5.51	40.66 -1.79 5.49	43.55 -2.29 5.79	69.23 -3.35 6.93	71.79 -3.42 0.53	79.92 -3.81 0.00	55.18 -2.32 1.71	49.98 -0.95 1.26	44.02 -0.73 1.35
NEG NORTH_KES_CHATEGAY 23792	40.73 -1.24 0.00	35.31 -1.20 0.00	34.14 -1.34 0.00	32.81 -1.00 0.00	31.24 -0.88 0.00	30.30 -1.01 2.70	31.00 -1.35 5.69	36.78 -1.59 2.85	32.50 -1.60 4.53	43.63 -1.51 0.00	47.91 -2.03 0.00	44.15 -2.07 2.85	35.25 -1.87 6.46	41.17 -2.06 7.11	34.82 -1.99 6.44	39.10 -2.61 6.96	38.49 -2.52 6.93	41.71 -2.62 7.30	67.57 -3.22 8.72	71.87 -3.23 0.64	80.56 -3.17 0.00	54.93 -2.20 2.08	48.84 -1.82 1.54	42.78 -1.68 1.64
NEG NORTH___ALICE_FALLS 23915	41.18 -0.79 0.00	35.67 -0.83 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.53 -0.59 0.00	31.28 -0.56 2.18	32.56 -0.90 4.59	37.78 -1.13 2.31	34.25 -0.63 3.75	44.74 -0.40 0.00	48.87 -1.07 0.00	45.74 -0.98 2.35	37.14 -1.10 5.34	43.45 -1.03 5.87	36.90 -1.03 5.31	41.22 -1.70 5.74	40.38 -1.84 5.72	43.44 -2.17 6.03	69.33 -2.96 7.21	72.35 -2.84 0.55	80.74 -2.99 0.00	55.54 -1.90 1.77	49.94 -0.95 1.31	43.88 -0.88 1.39
NEG NORTH___LWR_SARANAC 23913	41.18 -0.79 0.00	35.67 -0.83 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.53 -0.59 0.00	31.28 -0.56 2.18	32.56 -0.90 4.59	37.78 -1.13 2.31	34.25 -0.63 3.75	44.74 -0.40 0.00	48.87 -1.07 0.00	45.74 -0.98 2.35	37.14 -1.10 5.34	43.45 -1.03 5.87	36.90 -1.03 5.31	41.22 -1.70 5.74	40.38 -1.84 5.72	43.44 -2.17 6.03	69.33 -2.96 7.21	72.35 -2.84 0.55	80.74 -2.99 0.00	55.54 -1.90 1.77	49.94 -0.95 1.31	43.88 -0.88 1.39
NEG NORTH___PLATTSBURG 23628	41.18 -0.79 0.00	35.68 -0.84 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.53 -0.59 0.00	31.28 -0.56 2.18	32.56 -0.91 4.59	37.78 -1.14 2.31	34.25 -0.63 3.75	44.74 -0.40 0.00	48.87 -1.07 0.00	45.74 -0.98 2.35	37.14 -1.10 5.34	43.44 -1.04 5.87	36.91 -1.03 5.31	41.22 -1.70 5.74	40.38 -1.85 5.72	43.44 -2.17 6.03	69.33 -2.96 7.21	72.35 -2.85 0.55	80.74 -2.99 0.00	55.54 -1.90 1.77	49.94 -0.95 1.31	43.87 -0.83 1.39
NEG WEST_LEA_LOCKPORT 23791	26.67 -2.64 12.65	33.66 -2.82 0.03	33.06 -2.42 0.00	31.24 -2.57 0.00	29.41 -2.69 0.02	25.59 -2.57 5.86	21.04 -2.55 14.46	25.59 -1.91 13.73	27.74 -1.63 9.26	42.76 -1.89 0.49	33.51 -1.50 14.92	30.91 -2.16 15.99	25.79 -2.56 15.23	31.48 -2.77 16.09	25.81 -2.24 15.21	30.06 -2.83 15.78	28.42 -3.24 16.28	32.24 -2.96 16.44	52.58 -4.70 22.22	53.24 -4.01 18.49	64.90 -3.98 14.85	36.91 -3.81 18.50	31.82 -3.31 17.07	26.57 -2.91 16.61
NEG WEST___LANCASTER 23811	25.03 -2.39 14.54	33.98 -2.49 0.04	33.31 -2.17 0.00	31.52 -2.30 0.00	29.62 -2.48 0.02	24.96 -2.35 6.71	19.20 -2.22 16.63	23.83 -1.62 15.78	26.74 -1.29 10.60	43.11 -1.47 0.56	31.79 -1.10 17.05	29.27 -1.53 18.27	24.36 -1.85 17.36	29.81 -2.08 18.46	24.28 -1.45 17.53	28.84 -1.73 18.09	27.03 -2.21 18.70	30.75 -1.97 18.91	50.90 -3.04 25.56	51.91 -2.53 21.29	64.21 -2.42 17.10	35.07 -2.85 21.30	29.69 -2.74 19.77	24.29 -2.61 19.19

NEG_PENN_ALLEGHNY 23528	42.18 0.22 0.00	36.70 0.19 0.00	35.72 0.24 0.00	33.96 0.15 0.00	32.22 0.05 -0.05	34.68 0.14 -0.52	38.44 0.40 0.00	41.80 0.58 0.00	39.54 0.71 -0.19	46.94 0.73 -1.07	52.12 0.83 -1.35	51.25 0.88 -1.30	45.47 0.80 -1.09	52.74 0.99 -1.41	48.12 1.03 -3.83	51.43 1.41 -1.35	50.24 1.02 -1.27	54.50 1.33 -1.54	85.19 2.02 -3.67	81.72 2.32 -3.65	90.35 2.40 -4.23	62.41 1.04 -2.16	54.35 0.60 -1.56	49.33 0.28 -2.96
NEG___GEN_MONROE 24207	39.57 -0.51 1.89	35.74 -0.76 0.00	34.84 -0.64 0.00	33.00 -0.82 0.00	31.18 -0.92 0.01	32.20 -0.82 1.00	35.25 -0.64 2.16	39.03 -0.13 2.07	37.25 0.01 1.40	45.09 0.02 0.07	47.76 0.07 2.25	46.34 -0.32 2.40	40.51 -0.78 2.29	47.18 -0.75 2.42	39.77 -0.48 3.00	45.95 -0.35 2.37	44.83 -0.68 2.43	49.03 -0.15 2.45	76.41 0.21 3.31	73.80 0.79 2.73	82.68 1.14 2.19	56.36 -0.11 2.74	49.30 -0.38 2.52	42.37 -0.59 3.14
NEPA___ENERGY 23901	25.17 -1.77 15.03	34.74 -1.74 0.04	34.03 -1.45 0.00	32.10 -1.72 0.00	30.00 -2.10 0.02	25.13 -1.97 6.92	19.31 -1.54 17.20	23.92 -0.99 16.31	27.09 -0.60 10.94	43.91 -0.65 0.58	32.03 -0.32 17.59	29.47 -0.75 18.85	24.71 -0.94 17.93	30.49 -0.79 19.07	24.91 -0.25 18.09	29.85 -0.13 18.68	27.70 -0.97 19.26	31.34 -0.83 19.46	51.73 -1.46 26.31	53.03 -0.80 21.91	65.50 -0.63 17.60	35.53 -1.76 21.92	29.61 -2.20 20.38	24.15 -2.21 19.74
NEVERSINK___HYD 23608	44.76 2.80 0.00	38.89 2.37 0.00	37.72 2.24 0.00	35.86 2.05 0.00	34.12 1.99 -0.01	36.22 2.12 -0.08	40.73 2.69 0.00	44.40 3.18 0.00	41.84 3.21 0.00	48.57 3.43 0.00	54.11 4.17 0.00	53.69 4.62 0.00	48.16 4.02 -0.56	53.53 3.18 0.00	46.83 3.14 -0.43	52.70 4.03 0.00	51.92 3.99 0.00	55.45 4.39 0.58	85.41 5.90 0.00	81.30 5.56 0.00	89.59 5.85 0.00	64.49 5.29 0.00	56.56 4.36 0.00	49.98 3.46 -0.42
NEWKRMKL_115KV_TB1 55635	43.25 1.28 0.00	37.72 1.21 0.00	36.66 1.18 0.00	34.91 1.10 0.00	33.19 1.08 0.00	35.17 1.15 0.00	39.34 1.30 0.00	42.58 1.36 0.00	39.75 1.12 0.00	46.20 1.05 0.00	51.10 1.16 0.00	50.46 1.39 0.00	44.57 1.11 0.12	51.69 1.34 0.00	44.77 1.51 0.00	50.33 1.66 0.00	49.76 1.82 0.00	53.54 1.90 0.00	81.86 2.36 0.00	77.90 2.17 0.00	85.77 2.03 0.00	60.68 1.47 0.00	53.47 1.27 0.00	47.17 1.07 0.00
NEWTON___FALLS_HYD 23847	40.24 -1.73 0.00	34.48 -2.02 0.01	33.51 -1.97 0.00	32.01 -1.81 0.00	30.46 -1.66 0.00	15.54 -2.01 16.46	1.02 -2.35 34.67	21.35 -2.51 17.36	8.85 -2.40 27.39	43.37 -2.48 -0.71	47.95 -2.89 -0.90	28.79 -3.83 16.45	1.39 -3.54 38.65	4.13 -3.97 42.24	1.20 -3.55 38.51	3.26 -4.02 41.38	3.01 -3.70 41.22	4.55 -3.73 43.35	24.15 -2.65 50.52	71.46 -2.15 1.62	84.17 -2.58 -2.58	45.76 -2.28 11.17	42.00 -1.94 8.25	34.52 -1.85 9.73
NGRID_A1_DSASP 323792	25.96 -3.13 12.87	33.33 -3.15 0.03	32.73 -2.75 0.00	30.96 -2.85 0.00	29.15 -2.95 0.02	25.21 -2.91 5.90	20.34 -2.96 14.75	24.83 -2.40 13.99	27.22 -2.06 9.35	42.38 -2.27 0.50	32.99 -1.95 15.00	30.41 -2.57 16.08	25.26 -2.91 15.41	30.79 -3.23 16.33	25.07 -2.66 15.52	29.23 -3.33 16.10	27.55 -3.73 16.66	31.28 -3.51 16.85	51.24 -5.47 22.79	49.36 -4.92 21.46	44.26 -5.00 34.49	35.00 -4.59 19.62	30.82 -3.96 17.42	25.82 -3.48 16.80
NGRID_A2_DSASP 323793	25.96 -3.13 12.87	33.33 -3.15 0.03	32.73 -2.75 0.00	30.96 -2.85 0.00	29.15 -2.95 0.02	25.21 -2.91 5.90	20.34 -2.96 14.75	24.83 -2.40 13.99	27.22 -2.06 9.35	42.38 -2.27 0.50	32.99 -1.95 15.00	30.41 -2.57 16.08	25.26 -2.91 15.41	30.79 -3.23 16.33	25.07 -2.66 15.52	29.23 -3.33 16.10	27.55 -3.73 16.66	31.28 -3.51 16.85	51.24 -5.47 22.79	49.36 -4.92 21.46	44.26 -5.00 34.49	35.00 -4.59 19.62	30.82 -3.96 17.42	25.82 -3.48 16.80
NGRID_A4_DSASP 323807	25.96 -3.13 12.87	33.33 -3.15 0.03	32.73 -2.75 0.00	30.96 -2.85 0.00	29.15 -2.95 0.02	25.21 -2.91 5.90	20.34 -2.96 14.75	24.83 -2.40 13.99	27.22 -2.06 9.35	42.38 -2.27 0.50	32.99 -1.95 15.00	30.41 -2.57 16.08	25.26 -2.91 15.41	30.79 -3.23 16.33	25.07 -2.66 15.52	29.23 -3.33 16.10	27.55 -3.73 16.66	31.28 -3.51 16.85	51.24 -5.47 22.79	49.36 -4.92 21.46	44.26 -5.00 34.49	35.00 -4.59 19.62	30.82 -3.96 17.42	25.82 -3.48 16.80
NIAGARA_115E_LBMP 323715	26.00 -3.08 12.88	33.01 -3.47 0.03	32.42 -3.06 0.00	30.66 -3.16 0.00	28.85 -3.25 0.02	24.99 -3.02 6.02	20.48 -2.88 14.68	24.86 -2.40 13.96	27.00 -2.15 9.48	41.94 -2.70 0.50	32.71 -1.92 15.31	30.06 -2.60 16.41	24.98 -3.04 15.56	30.71 -3.22 16.41	24.94 -2.87 15.45	28.90 -3.66 16.10	27.44 -3.82 16.69	31.12 -3.64 16.87	50.60 -6.10 22.80	51.15 -5.61 18.98	62.74 -5.75 15.24	35.42 -4.82 18.97	31.03 -3.81 17.36	25.65 -3.45 17.00
NIAGARA_115W_LBMP 323714	26.02 -3.08 12.86	33.28 -3.20 0.03	32.66 -2.82 0.00	30.89 -2.92 0.00	29.05 -3.05 0.02	25.18 -2.95 5.89	20.45 -2.86 14.74	24.85 -2.40 13.98	27.22 -2.08 9.34	42.27 -2.38 0.50	33.07 -1.88 14.99	30.49 -2.51 16.06	25.25 -2.93 15.40	30.87 -3.17 16.31	24.97 -2.78 15.51	29.05 -3.52 16.09	27.59 -3.70 16.65	31.32 -3.48 16.83	51.27 -5.47 22.77	49.26 -5.04 21.44	44.19 -5.08 34.47	35.05 -4.55 19.60	30.88 -3.92 17.40	25.86 -3.45 16.79
NIAGARA_230_LBMP 323716	26.11 -3.09 12.76	33.37 -3.10 0.03	32.76 -2.72 0.00	30.99 -2.83 0.00	29.14 -2.96 0.02	25.27 -2.91 5.85	20.54 -2.87 14.63	24.94 -2.41 13.87	27.29 -2.07 9.27	42.43 -2.22 0.49	33.18 -1.88 14.87	30.59 -2.54 15.94	25.34 -2.96 15.28	30.99 -3.17 16.19	25.04 -2.79 15.43	29.42 -3.38 15.85	28.13 -3.54 16.27	31.94 -3.29 16.41	52.16 -5.16 22.17	52.50 -4.78 18.45	64.15 -4.76 14.82	36.38 -4.36 18.48	31.08 -3.84 17.27	26.00 -3.43 16.66
NIAGARA___115KV_198_GIBSON 55903	25.92 -3.18 12.86	33.26 -3.22 0.03	32.66 -2.82 0.00	30.89 -2.92 0.00	29.09 -3.01 0.02	25.16 -2.97 5.89	20.30 -3.01 14.74	24.78 -2.47 13.98	27.17 -2.13 9.34	42.28 -2.36 0.50	32.93 -2.02 14.99	30.37 -2.63 16.06	25.20 -2.98 15.40	30.71 -3.32 16.31	25.01 -2.73 15.51	29.12 -3.45 16.09	27.45 -3.85 16.65	31.16 -3.64 16.83	51.05 -5.68 22.77	49.20 -5.10 21.44	44.07 -5.20 34.47	34.89 -4.72 19.60	30.76 -4.04 17.40	25.78 -3.53 16.79
NIAGARA____ 23760	26.08 -3.09 12.79	33.37 -3.10 0.03	32.76 -2.72 0.00	30.99 -2.83 0.00	29.14 -2.96 0.02	25.24 -2.91 5.88	20.52 -2.87 14.65	24.92 -2.41 13.89	27.26 -2.07 9.30	42.43 -2.22 0.49	33.13 -1.88 14.93	30.53 -2.54 16.00	25.30 -2.96 15.32	30.95 -3.17 16.23	25.03 -2.79 15.44	29.34 -3.38 15.94	27.99 -3.54 16.41	31.77 -3.29 16.58	51.90 -5.16 22.44	51.84 -4.78 19.12	60.56 -4.76 18.41	36.09 -4.36 18.77	31.06 -3.84 17.30	25.94 -3.43 16.72
NINE_MILE_1 23575	40.90 -1.06 0.00	35.56 -0.95 0.00	34.57 -0.91 0.00	32.91 -0.90 0.00	31.25 -0.87 0.00	33.11 -0.91 0.00	37.04 -1.01 0.00	40.07 -1.15 0.00	34.74 -1.05 2.84	28.23 -1.27 15.64	28.80 -1.38 19.76	28.98 -1.43 18.66	28.94 -1.31 13.32	28.63 -1.53 20.19	28.80 -1.23 13.22	27.96 -1.30 19.40	28.33 -1.32 18.28	28.30 -1.28 22.06	24.97 -1.93 52.60	21.69 -1.60 52.45	21.31 -1.77 60.65	26.66 -1.52 31.03	28.39 -1.47 22.35	42.47 -1.38 2.25

NINE_MILE_2 23744	40.90 -1.06 0.00	35.56 -0.95 0.00	34.58 -0.91 0.00	32.91 -0.90 0.00	31.25 -0.87 0.00	33.12 -0.90 0.00	37.04 -1.01 0.00	40.08 -1.15 0.00	34.70 -1.05 2.89	28.00 -1.27 15.88	28.50 -1.38 20.06	28.70 -1.43 18.94	28.75 -1.31 13.52	28.32 -1.53 20.50	28.61 -1.23 13.42	27.67 -1.30 19.69	28.06 -1.32 18.56	27.97 -1.28 22.39	24.18 -1.93 53.40	20.90 -1.60 53.24	20.39 -1.77 61.57	26.19 -1.52 31.50	28.05 -1.47 22.69	42.43 -1.38 2.28
NM_CAPITAL___DRP 24208	43.29 1.32 0.00	37.75 1.25 0.00	36.70 1.21 0.00	34.95 1.14 0.00	33.24 1.12 0.00	35.21 1.19 0.00	39.39 1.35 0.00	42.64 1.42 0.00	39.82 1.19 0.00	46.24 1.10 0.00	51.13 1.19 0.00	50.51 1.44 0.00	44.62 1.16 0.12	51.72 1.37 0.00	44.80 1.55 0.00	50.37 1.70 0.00	49.81 1.87 0.00	53.58 1.95 0.00	81.87 2.37 0.00	77.91 2.17 0.00	85.79 2.05 0.00	60.74 1.53 0.00	53.54 1.35 0.00	47.22 1.13 0.00
NM_CENTRAL___DRP 24181	41.78 -0.18 0.00	36.28 -0.23 0.00	35.27 -0.21 0.00	33.56 -0.26 0.00	31.83 -0.28 0.01	33.70 -0.25 0.06	37.82 -0.23 0.00	41.02 -0.21 0.00	38.78 -0.14 -0.28	46.50 -0.18 -1.54	51.72 -0.16 -1.94	50.59 -0.30 -1.82	44.61 -0.27 -1.30	51.97 -0.35 -1.97	44.03 -0.17 -0.94	50.48 -0.08 -1.89	49.60 -0.13 -1.78	53.87 0.08 -2.15	84.85 0.21 -5.13	81.43 0.57 -5.11	90.24 0.59 -5.91	62.24 0.00 -3.03	54.17 -0.21 -2.18	45.63 -0.35 0.11
NM_FRONTIER___DRP 24179	25.92 -3.18 12.86	33.26 -3.22 0.03	32.66 -2.82 0.00	30.89 -2.92 0.00	29.09 -3.01 0.02	25.16 -2.97 5.89	20.30 -3.01 14.74	24.78 -2.47 13.98	27.17 -2.13 9.34	42.28 -2.36 0.50	32.93 -2.02 14.99	30.37 -2.63 16.06	25.20 -2.98 15.40	30.71 -3.32 16.31	25.01 -2.73 15.51	29.12 -3.45 16.09	27.45 -3.85 16.65	31.16 -3.64 16.83	51.05 -5.68 22.77	49.20 -5.10 21.44	44.07 -5.20 34.47	34.89 -4.72 19.60	30.76 -4.04 17.40	25.78 -3.53 16.79
NM_ST_REGIS___HYD 24053	40.04 -1.93 0.00	34.64 -1.87 0.00	33.59 -1.89 0.00	32.17 -1.64 0.00	30.62 -1.49 0.00	23.82 -1.82 8.38	18.03 -2.37 17.66	29.85 -2.54 8.84	22.14 -2.48 14.01	42.49 -2.65 0.00	46.58 -3.35 0.00	36.48 -3.78 8.81	20.23 -3.35 19.99	24.60 -3.75 21.98	19.92 -3.42 19.92	22.99 -4.15 21.53	22.59 -3.93 21.42	24.92 -4.12 22.59	47.25 -5.48 26.77	69.71 -4.22 1.80	79.80 -3.93 0.00	50.52 -2.86 5.83	45.42 -2.49 4.29	39.45 -2.07 4.58
NORTHPORT___1 23551	45.54 3.47 -0.10	39.38 2.87 0.00	38.10 2.62 0.00	36.16 2.35 0.00	34.53 2.41 -0.01	36.58 2.49 -0.06	41.35 3.30 0.00	44.98 3.76 0.00	42.06 3.42 0.00	48.83 3.68 0.00	55.36 4.98 -0.45	58.15 5.45 -3.63	83.21 5.03 -34.60	59.62 5.15 -4.12	66.69 4.85 -18.59	72.29 5.60 -18.03	69.88 5.64 -16.30	75.36 6.28 -17.43	64.77 8.51 23.24	86.70 7.85 -3.11	90.85 7.92 0.80	62.76 4.84 1.30	56.08 3.88 0.00	49.87 3.44 -0.33
NORTHPORT___2 23552	45.54 3.47 -0.10	39.38 2.87 0.00	38.10 2.62 0.00	36.16 2.35 0.00	34.53 2.41 -0.01	36.58 2.49 -0.06	41.35 3.30 0.00	44.98 3.76 0.00	42.06 3.42 0.00	48.83 3.68 0.00	55.36 4.98 -0.45	58.15 5.45 -3.63	83.21 5.03 -34.60	59.62 5.15 -4.12	66.69 4.85 -18.59	72.29 5.60 -18.03	69.88 5.64 -16.30	75.36 6.28 -17.43	64.77 8.51 23.24	86.70 7.85 -3.11	90.85 7.92 0.80	62.76 4.84 1.30	56.08 3.88 0.00	49.87 3.44 -0.33
NORTHPORT___3 23553	45.48 3.42 -0.10	39.35 2.84 0.00	38.07 2.59 0.00	36.14 2.33 0.00	34.51 2.38 -0.01	36.55 2.47 -0.06	41.31 3.27 0.00	44.94 3.72 0.00	42.03 3.40 0.00	48.82 3.68 0.00	55.35 4.96 -0.45	58.15 5.45 -3.63	83.21 5.03 -34.60	58.36 5.15 -2.85	56.58 4.85 -8.47	54.36 5.64 -0.05	27.06 5.69 26.57	29.17 6.31 28.78	29.78 8.55 58.27	86.75 7.83 -3.19	90.87 7.89 0.75	62.74 4.81 1.29	56.05 3.85 0.00	49.85 3.43 -0.33
NORTHPORT___4 23650	45.48 3.42 -0.10	39.35 2.84 0.00	38.07 2.59 0.00	36.14 2.33 0.00	34.51 2.38 -0.01	36.55 2.47 -0.06	41.31 3.27 0.00	44.94 3.72 0.00	42.03 3.40 0.00	48.82 3.68 0.00	55.35 4.96 -0.45	58.15 5.45 -3.63	83.21 5.03 -34.60	58.36 5.15 -2.85	56.58 4.85 -8.47	54.36 5.64 -0.05	27.06 5.69 26.57	29.17 6.31 28.78	29.78 8.55 58.27	86.75 7.83 -3.19	90.87 7.89 0.75	62.74 4.81 1.29	56.05 3.85 0.00	49.85 3.43 -0.33
NORTHPORT___IC 23718	45.54 3.48 -0.10	39.38 2.88 0.00	38.10 2.62 0.00	36.16 2.35 0.00	34.53 2.41 -0.01	36.58 2.50 -0.06	41.37 3.32 0.00	44.99 3.76 0.00	42.06 3.43 0.00	48.82 3.68 0.00	55.38 5.00 -0.45	58.17 5.47 -3.63	83.20 5.02 -34.60	59.63 5.16 -4.12	66.69 4.85 -18.59	72.29 5.59 -18.03	69.88 5.64 -16.30	75.36 6.29 -17.43	64.78 8.52 23.24	86.71 7.85 -3.11	90.87 7.93 0.80	62.78 4.87 1.30	56.13 3.93 0.00	49.87 3.45 -0.33
NORTH___COUNTRY_ESR 323785	40.66 -1.31 0.00	35.27 -1.24 0.00	34.10 -1.39 0.00	32.76 -1.06 0.00	31.19 -0.92 0.00	30.24 -1.06 2.72	30.90 -1.43 5.72	36.70 -1.65 2.87	32.45 -1.63 4.56	43.60 -1.54 0.00	47.89 -2.05 0.00	44.13 -2.08 2.86	35.21 -1.88 6.49	41.12 -2.08 7.14	34.79 -2.00 6.47	39.06 -2.62 6.99	38.44 -2.54 6.96	41.66 -2.64 7.34	67.53 -3.22 8.76	71.84 -3.25 0.65	80.43 -3.30 0.00	54.81 -2.31 2.09	48.73 -1.93 1.54	42.67 -1.78 1.65
NPX_GEN_1385_PROXY 323591	45.54 3.47 -0.10	39.38 2.87 0.00	38.10 2.62 0.00	36.16 2.35 0.00	34.53 2.41 -0.01	36.58 2.49 -0.06	38.63 3.30 2.72	45.01 3.76 -0.02	42.06 3.42 0.00	48.47 3.68 0.36	55.36 4.98 -0.45	58.15 5.45 -3.63	83.21 5.03 -34.60	59.62 5.15 -4.12	66.69 4.85 -18.59	81.41 5.60 -27.15	69.88 5.64 -16.30	75.36 6.28 -17.43	64.77 8.51 23.24	86.70 7.85 -3.11	90.85 7.92 0.80	74.21 4.84 -10.15	53.89 3.88 2.19	49.87 3.44 -0.33
NPX_GEN_CSC 323557	46.36 4.29 -0.10	39.60 3.09 0.00	38.28 2.79 0.00	36.32 2.51 0.00	34.83 2.70 -0.01	36.76 2.68 -0.06	38.89 3.56 2.72	45.26 4.02 -0.02	42.01 3.38 0.00	48.10 3.31 0.36	54.98 4.60 -0.45	57.86 5.15 -3.63	83.03 4.85 -34.61	60.21 5.06 -4.80	72.42 4.82 -24.35	91.28 5.38 -37.24	93.79 5.59 -40.26	102.46 6.29 -44.53	85.67 8.81 2.63	87.81 8.33 -3.73	91.74 8.40 0.40	74.52 5.05 -10.26	53.96 3.95 2.19	49.85 3.42 -0.33
NSINS_S_GLNS_FALLS 23858	44.25 2.28 0.00	38.32 1.81 0.00	37.29 1.81 0.00	35.55 1.74 0.00	33.74 1.63 0.00	36.04 2.01 0.00	40.38 2.33 0.00	43.55 2.33 0.00	40.54 1.90 0.00	47.17 2.02 0.00	52.43 2.49 0.00	51.81 2.74 0.00	45.58 2.11 0.10	52.88 2.53 0.00	45.70 2.44 0.00	51.72 3.06 0.00	51.06 3.12 0.00	55.10 3.46 0.00	85.01 5.50 0.00	81.00 5.26 0.00	89.55 5.81 0.00	63.27 4.06 0.00	55.62 3.42 0.00	48.95 2.85 0.00
NUCOR_STEEL___DRP 24197	42.34 0.38 0.00	36.80 0.28 0.00	35.65 0.17 0.00	34.01 0.19 0.00	32.26 0.15 0.01	34.15 0.24 0.10	38.31 0.26 0.00	41.21 -0.01 0.00	39.36 0.24 -0.49	48.04 0.22 -2.68	53.58 0.26 -3.38	52.20 0.08 -3.06	45.79 0.04 -2.17	53.55 -0.08 -3.29	45.05 0.22 -1.57	52.27 0.45 -3.16	51.30 0.38 -2.98	55.66 0.43 -3.59	88.98 0.90 -8.57	86.08 1.80 -8.54	95.71 2.10 -9.88	65.18 0.92 -5.05	56.42 0.59 -3.64	46.04 0.13 0.19

NUMBER_THREE_WT_PWR 323818	41.39 -0.57 0.00	35.09 -1.41 0.01	34.15 -1.33 0.00	32.58 -1.23 0.00	31.01 -1.10 0.00	3.20 -1.41 29.41	-25.30 -1.41 61.93	8.70 -1.52 31.00	-11.70 -1.36 48.98	44.91 -1.13 -0.91	50.00 -1.08 -1.15	16.80 -2.45 29.81	-28.32 -2.57 69.33	-28.32 -2.75 75.91	-28.32 -2.49 69.08	-28.32 -2.62 74.36	-28.32 -2.22 74.04	-28.32 -2.02 77.93	-14.40 -2.18 91.73	71.91 0.39 4.22	88.43 1.27 -3.43	37.09 -0.60 21.52	35.88 -0.44 15.88	27.18 -0.74 18.17
NYISO_LBMP_REFERENCE 24008	41.96 0.00 0.00	36.51 0.00 0.00	35.48 0.00 0.00	33.81 0.00 0.00	32.12 0.00 0.00	34.02 0.00 0.00	38.05 0.00 0.00	41.22 0.00 0.00	38.63 0.00 0.00	45.14 0.00 0.00	49.94 0.00 0.00	49.07 0.00 0.00	43.58 0.00 0.00	50.34 0.00 0.00	43.25 0.00 0.00	48.66 0.00 0.00	47.94 0.00 0.00	51.64 0.00 0.00	79.50 0.00 0.00	75.74 0.00 0.00	83.73 0.00 0.00	59.21 0.00 0.00	52.20 0.00 0.00	46.10 0.00 0.00
NYPA_BRENTWD____GT 24164	46.13 4.07 -0.10	39.80 3.30 0.00	38.49 3.01 0.00	36.52 2.71 0.00	34.88 2.76 -0.01	36.96 2.87 -0.06	41.81 3.77 0.00	45.51 4.29 0.00	42.53 3.90 0.00	49.35 4.21 0.00	55.98 5.60 -0.45	58.80 6.09 -3.63	83.81 5.63 -34.61	61.09 5.91 -4.83	73.68 5.41 -25.01	83.81 6.05 -29.10	96.47 6.12 -42.41	107.30 6.85 -48.81	89.75 9.54 -0.71	89.58 9.10 -4.74	93.23 9.24 -0.25	63.94 5.72 0.99	56.94 4.74 0.00	50.55 4.13 -0.33
NYPA_GOWANUS____GT5 24156	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.69 5.06 -29.38	91.67 5.89 -37.11	114.48 5.67 -60.87	94.78 6.26 -36.88	103.37 8.69 -15.17	92.78 8.01 -9.03	97.38 8.06 -5.58	64.52 5.31 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NYPA_GOWANUS____GT6 24157	45.03 3.07 0.00	39.05 2.54 0.00	37.89 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.28 2.20 -0.06	41.04 3.00 0.00	44.87 3.65 0.00	42.33 3.70 0.00	49.35 4.21 0.00	55.18 5.25 0.00	55.07 5.92 -0.08	54.21 5.46 -5.17	61.76 5.90 -5.52	77.69 5.06 -29.38	91.67 5.89 -37.11	114.48 5.67 -60.87	94.78 6.26 -36.88	103.37 8.69 -15.17	92.78 8.01 -9.03	97.38 8.06 -5.58	64.52 5.31 0.00	57.60 4.68 -0.73	50.24 3.82 -0.33
NYPA_HARLEM__RVR__GT1 24160	44.92 2.96 0.00	38.95 2.44 0.00	37.86 2.38 0.00	36.02 2.20 0.00	34.27 2.14 -0.01	36.17 2.09 -0.06	40.98 2.94 0.00	44.77 3.54 0.00	42.18 3.55 0.00	49.14 4.00 0.00	54.94 5.01 0.00	54.82 5.68 -0.08	53.92 5.17 -5.17	61.38 5.51 -5.52	77.58 4.95 -29.38	91.58 5.81 -37.11	114.15 5.34 -60.87	94.32 5.81 -36.88	78.22 8.34 9.62	75.98 7.81 7.57	86.82 7.78 4.70	64.06 4.87 0.02	56.43 4.24 0.01	49.94 3.51 -0.33
NYPA_HARLEM__RVR__GT2 24161	44.92 2.96 0.00	38.95 2.44 0.00	37.86 2.38 0.00	36.02 2.20 0.00	34.27 2.14 -0.01	36.17 2.09 -0.06	40.98 2.94 0.00	44.77 3.54 0.00	42.18 3.55 0.00	49.14 4.00 0.00	54.94 5.01 0.00	54.82 5.68 -0.08	53.92 5.17 -5.17	61.38 5.51 -5.52	77.58 4.95 -29.38	91.58 5.81 -37.11	114.15 5.34 -60.87	94.32 5.81 -36.88	78.22 8.34 9.62	75.98 7.81 7.57	86.82 7.78 4.70	64.06 4.87 0.02	56.43 4.24 0.01	49.94 3.51 -0.33
NYPA_KENT____GT 24152	44.96 3.00 0.00	38.99 2.48 0.00	37.84 2.36 0.00	35.98 2.16 0.00	34.25 2.13 -0.01	36.23 2.15 -0.06	40.98 2.93 0.00	44.80 3.57 0.00	42.25 3.62 0.00	49.28 4.14 0.00	55.09 5.15 0.00	54.96 5.81 -0.08	54.11 5.36 -5.17	61.63 5.76 -5.52	77.60 4.97 -29.38	91.57 5.80 -37.11	114.38 5.57 -60.87	94.65 6.13 -36.88	79.64 8.42 8.28	71.43 7.73 12.03	84.09 7.79 7.44	64.34 5.13 0.00	56.29 4.52 0.42	50.16 3.73 -0.33
NYPA_POUCH1____GT 24155	45.04 3.08 0.00	39.05 2.54 0.00	37.90 2.41 0.00	36.02 2.21 0.00	34.29 2.16 -0.01	36.27 2.19 -0.06	41.03 2.98 0.00	44.86 3.64 0.00	42.32 3.68 0.00	49.34 4.19 0.00	55.13 5.19 0.00	54.99 5.85 -0.08	54.12 5.37 -5.17	61.64 5.77 -5.52	77.52 4.88 -29.38	91.52 5.75 -37.11	114.33 5.52 -60.87	94.58 6.06 -36.88	103.13 8.46 -15.17	92.64 7.87 -9.03	97.17 7.85 -5.58	64.40 5.19 0.00	57.51 4.58 -0.73	50.13 3.70 -0.33
NYPA_VERNON____GT2 24162	44.89 2.93 0.00	38.92 2.41 0.00	37.78 2.29 0.00	35.92 2.10 0.00	34.20 2.08 -0.01	36.19 2.11 -0.06	40.93 2.88 0.00	44.73 3.51 0.00	42.17 3.54 0.00	49.20 4.06 0.00	55.00 5.06 0.00	54.87 5.72 -0.08	54.02 5.27 -5.17	61.51 5.65 -5.52	77.52 4.89 -29.38	91.45 5.68 -37.11	114.26 5.44 -60.87	94.54 6.02 -36.88	84.82 8.20 2.88	76.28 7.53 6.99	87.00 7.58 4.32	64.22 5.02 0.00	56.47 4.39 0.11	50.07 3.65 -0.33
NYPA_VERNON____GT3 24163	44.89 2.93 0.00	38.92 2.41 0.00	37.78 2.29 0.00	35.92 2.10 0.00	34.20 2.08 -0.01	36.19 2.11 -0.06	40.93 2.88 0.00	44.73 3.51 0.00	42.17 3.54 0.00	49.20 4.06 0.00	55.00 5.06 0.00	54.87 5.72 -0.08	54.02 5.27 -5.17	61.51 5.65 -5.52	77.52 4.89 -29.38	91.45 5.68 -37.11	114.26 5.44 -60.87	94.54 6.02 -36.88	84.82 8.20 2.88	76.28 7.53 6.99	87.00 7.58 4.32	64.22 5.02 0.00	56.47 4.39 0.11	50.07 3.65 -0.33
NYPA__ASTORIA_CC1 323568	44.82 2.86 0.00	38.86 2.35 0.00	37.73 2.24 0.00	35.88 2.06 0.00	34.17 2.05 -0.01	36.14 2.06 -0.06	40.87 2.82 0.00	44.67 3.45 0.00	42.12 3.49 0.00	49.11 3.97 0.00	54.92 4.98 0.00	54.78 5.63 -0.08	53.94 5.20 -5.17	61.43 5.57 -5.52	77.46 4.83 -29.38	91.35 5.58 -37.11	114.15 5.34 -60.87	94.42 5.90 -36.88	88.43 8.08 -0.85	79.26 7.46 3.93	88.75 7.45 2.43	64.11 4.90 0.00	56.52 4.32 0.00	50.02 3.60 -0.33
NYPA__ASTORIA_CC2 323569	44.82 2.86 0.00	38.86 2.35 0.00	37.73 2.24 0.00	35.88 2.06 0.00	34.17 2.05 -0.01	36.14 2.06 -0.06	40.87 2.82 0.00	44.67 3.45 0.00	42.12 3.49 0.00	49.11 3.97 0.00	54.92 4.98 0.00	54.78 5.63 -0.08	53.94 5.20 -5.17	61.43 5.57 -5.52	77.46 4.83 -29.38	91.35 5.58 -37.11	114.15 5.34 -60.87	94.42 5.90 -36.88	88.43 8.08 -0.85	79.26 7.46 3.93	88.75 7.45 2.43	64.11 4.90 0.00	56.52 4.32 0.00	50.02 3.60 -0.33
NYPA__HOLTSVILL 23794	46.03 3.96 -0.10	39.66 3.14 0.00	38.33 2.85 0.00	36.38 2.57 0.00	34.78 2.65 -0.01	36.81 2.73 -0.06	41.64 3.60 0.00	45.29 4.07 0.00	42.22 3.59 0.00	48.91 3.76 0.00	55.50 5.12 -0.45	58.33 5.63 -3.63	83.42 5.23 -34.61	60.59 5.47 -4.77	72.48 5.13 -24.10	82.15 5.79 -27.70	93.04 5.85 -39.25	101.50 6.55 -43.31	84.97 9.03 3.56	87.97 8.56 -3.67	91.92 8.63 0.44	63.30 5.28 1.20	56.42 4.23 0.00	50.14 3.71 -0.33
NYPA__HELLGATE_GT1 24158	44.92 2.96 0.00	38.95 2.44 0.00	37.86 2.38 0.00	36.02 2.20 0.00	34.27 2.14 -0.01	36.17 2.09 -0.06	40.98 2.94 0.00	44.77 3.54 0.00	42.18 3.55 0.00	49.14 4.00 0.00	54.94 5.01 0.00	54.84 5.69 -0.08	53.95 5.21 -5.17	61.41 5.54 -5.52	77.61 4.98 -29.38	91.58 5.81 -37.11	114.14 5.33 -60.87	94.30 5.79 -36.87	93.77 8.34 -5.93	83.27 7.81 0.27	91.37 7.78 0.15	64.07 4.87 0.00	56.44 4.24 0.00	49.93 3.50 -0.33

OSWEGATCHIE___HYD 24044	40.23 -1.73 0.00	34.48 -2.02 0.01	33.51 -1.97 0.00	32.01 -1.81 0.00	30.46 -1.66 0.00	15.54 -2.01 16.46	1.02 -2.36 34.67	21.35 -2.52 17.36	8.85 -2.40 27.39	43.38 -2.48 -0.71	47.94 -2.90 -0.90	28.78 -3.84 16.45	1.39 -3.54 38.65	4.13 -3.97 42.24	1.20 -3.55 38.51	3.26 -4.02 41.38	3.01 -3.71 41.22	4.55 -3.74 43.35	24.14 -4.84 50.52	71.46 -2.65 1.62	84.17 -2.15 -2.58	45.76 -2.28 11.17	42.00 -1.94 8.25	34.51 -1.85 9.73
OSWEGO___5 23606	41.18 -0.78 0.00	35.79 -0.72 0.00	34.79 -0.69 0.00	33.12 -0.69 0.00	31.44 -0.67 0.00	33.33 -0.69 0.00	37.31 -0.74 0.00	40.38 -0.84 0.00	40.01 -0.76 -2.14	55.98 -0.91 -11.75	63.80 -0.99 -14.85	62.01 -1.07 -14.01	52.61 -0.98 -10.00	64.37 -1.14 -15.16	52.29 -0.89 -9.93	62.30 -0.93 -14.57	60.72 -0.95 -13.73	67.32 -0.88 -16.56	117.71 -1.30 -39.50	114.15 -0.97 -39.38	128.20 -1.08 -45.54	81.46 -1.05 -23.30	67.92 -1.06 -16.78	46.74 -1.05 -1.69
OSWEGO___6 23613	41.18 -0.78 0.00	35.79 -0.72 0.00	34.79 -0.69 0.00	33.12 -0.69 0.00	31.44 -0.67 0.00	33.33 -0.69 0.00	37.31 -0.74 0.00	40.38 -0.84 0.00	40.01 -0.76 -2.14	55.98 -0.91 -11.75	63.80 -0.99 -14.85	62.01 -1.07 -14.01	52.61 -0.98 -10.00	64.37 -1.14 -15.16	52.29 -0.89 -9.93	62.30 -0.93 -14.57	60.72 -0.95 -13.73	67.32 -0.88 -16.56	117.71 -1.30 -39.50	114.15 -0.97 -39.38	128.20 -1.08 -45.54	81.46 -1.05 -23.30	67.92 -1.06 -16.78	46.74 -1.05 -1.69
OUTOKUMPU-AB___DRP 24206	25.89 -1.78 14.30	34.44 -2.04 0.04	33.81 -1.68 0.00	31.93 -1.88 0.00	30.01 -2.08 0.02	25.50 -1.93 6.59	19.90 -1.81 16.34	24.66 -1.05 15.51	27.42 -0.76 10.45	43.74 -0.85 0.55	32.73 -0.40 16.82	30.03 -1.02 18.02	24.86 -1.53 17.18	30.66 -1.51 18.17	25.06 -1.09 17.09	29.42 -1.43 17.81	27.55 -2.05 18.34	31.42 -1.70 18.51	51.72 -2.76 25.02	52.70 -2.22 20.82	64.87 -2.15 16.72	35.82 -2.56 20.83	30.59 -2.34 19.27	25.42 -2.05 18.64
OXBOW___BTM 323836	26.43 -2.66 12.87	33.65 -2.83 0.03	33.02 -2.47 0.00	31.23 -2.58 0.00	29.37 -2.73 0.02	25.51 -2.61 5.90	20.82 -2.48 14.75	25.26 -1.98 13.99	27.60 -1.68 9.35	42.76 -1.88 0.50	33.59 -1.35 15.00	30.99 -2.00 16.08	25.70 -2.47 15.41	31.41 -2.61 16.33	25.45 -2.28 15.52	29.61 -2.95 16.10	28.18 -3.10 16.66	31.97 -2.82 16.85	52.26 -4.45 22.79	50.19 -4.09 21.46	45.22 -4.03 34.49	35.71 -3.88 19.62	31.42 -3.36 17.42	26.30 -3.00 16.80
OXBOW___ 24026	26.32 -2.77 12.87	33.63 -2.84 0.03	33.01 -2.47 0.00	31.23 -2.58 0.00	29.41 -2.69 0.02	25.49 -2.63 5.90	20.65 -2.64 14.75	25.18 -2.05 13.99	27.56 -1.72 9.35	42.77 -1.87 0.50	33.44 -1.50 15.00	30.86 -2.13 16.08	25.66 -2.51 15.41	31.27 -2.75 16.33	25.49 -2.25 15.52	29.68 -2.87 16.10	28.02 -3.26 16.66	31.80 -2.99 16.85	52.04 -4.67 22.79	50.14 -4.14 21.46	45.08 -4.17 34.49	35.55 -4.04 19.62	31.28 -3.50 17.42	26.20 -3.09 16.80
OXY_CHEM_DSASP 323612	25.96 -3.13 12.87	33.33 -3.15 0.03	32.73 -2.75 0.00	30.96 -2.85 0.00	29.15 -2.95 0.02	25.21 -2.91 5.90	20.34 -2.96 14.75	24.83 -2.40 13.99	27.22 -2.06 9.35	42.38 -2.27 0.50	32.99 -1.95 15.00	30.41 -2.57 16.08	25.26 -2.91 15.41	30.79 -3.23 16.33	25.07 -2.66 15.52	29.23 -3.33 16.10	27.55 -3.73 16.66	31.28 -3.51 16.85	51.24 -5.47 22.79	49.36 -4.92 21.46	44.26 -5.00 34.49	35.00 -4.59 19.62	30.82 -3.96 17.42	25.82 -3.48 16.80
OZONE_PARK_ESR 323760	45.34 3.38 0.00	39.27 2.76 0.00	38.09 2.61 0.00	36.19 2.37 0.00	34.45 2.32 -0.01	36.49 2.41 -0.06	41.28 3.23 0.00	45.11 3.89 0.00	42.52 3.88 0.00	49.59 4.45 0.00	55.48 5.55 0.00	55.33 6.18 -0.08	54.39 5.65 -5.17	62.15 6.28 -5.52	78.16 5.52 -29.39	92.19 6.40 -37.13	115.05 6.20 -60.91	95.44 6.89 -36.91	108.35 9.27 -19.58	93.23 8.45 -9.04	98.09 8.76 -5.59	65.17 5.96 0.00	57.31 5.11 0.00	50.61 4.19 -0.33
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	25.96 -3.13 12.87	33.33 -3.15 0.03	32.73 -2.75 0.00	30.96 -2.85 0.00	29.15 -2.95 0.02	25.21 -2.91 5.90	20.34 -2.96 14.75	24.83 -2.40 13.99	27.22 -2.06 9.35	42.38 -2.27 0.50	32.99 -1.95 15.00	30.41 -2.57 16.08	25.26 -2.91 15.41	30.79 -3.23 16.33	25.07 -2.66 15.52	29.23 -3.33 16.10	27.55 -3.73 16.66	31.28 -3.51 16.85	51.24 -5.47 22.79	49.36 -4.92 21.46	44.26 -5.00 34.49	35.00 -4.59 19.62	30.82 -3.96 17.42	25.82 -3.48 16.80
PACKARD___115KV_DUPONT_184 80571	26.08 -3.01 12.87	33.35 -3.13 0.03	32.73 -2.75 0.00	30.96 -2.85 0.00	29.11 -2.99 0.02	25.24 -2.89 5.90	20.49 -2.80 14.75	24.90 -2.33 13.99	27.27 -2.02 9.35	42.37 -2.27 0.50	33.14 -1.79 15.00	30.55 -2.44 16.08	25.29 -2.88 15.41	30.94 -3.08 16.33	25.03 -2.70 15.52	29.15 -3.41 16.10	27.69 -3.59 16.66	31.45 -3.34 16.85	51.45 -5.26 22.79	49.42 -4.86 21.46	44.40 -4.85 34.49	35.15 -4.44 19.62	30.96 -3.83 17.42	25.91 -3.39 16.80
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	44.89 2.93 0.00	38.91 2.40 0.00	37.81 2.33 0.00	35.93 2.11 0.00	34.19 2.06 -0.01	36.14 2.06 -0.06	40.96 2.91 0.00	44.71 3.48 0.00	42.14 3.51 0.00	49.09 3.95 0.00	54.90 4.96 0.00	54.74 5.60 -0.08	53.84 5.09 -5.17	61.34 5.48 -5.52	77.51 4.88 -29.38	91.50 5.73 -37.11	114.28 5.47 -60.87	94.57 6.05 -36.88	94.53 8.29 -6.73	83.45 7.61 -0.10	91.56 7.74 -0.08	64.31 5.10 0.00	56.64 4.44 0.00	50.03 3.61 -0.33
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	45.75 3.79 0.00	39.67 3.15 0.00	38.53 3.05 0.00	36.66 2.84 0.00	34.90 2.78 -0.01	36.93 2.85 -0.06	41.80 3.75 0.00	45.65 4.43 0.00	43.02 4.39 0.00	50.12 4.98 0.00	56.06 6.13 0.00	56.14 6.99 -0.08	55.00 6.25 -5.17	62.71 6.84 -5.52	78.66 6.03 -29.38	92.78 7.01 -37.11	115.52 6.71 -60.87	95.53 7.01 -36.88	96.16 9.93 -6.73	84.98 9.14 -0.10	93.29 9.47 -0.08	65.51 6.30 0.00	57.70 5.50 0.00	51.04 4.62 -0.33
PATROON___115KV_TB1 80586	43.38 1.42 0.00	37.83 1.32 0.00	36.77 1.28 0.00	35.01 1.20 0.00	33.29 1.17 0.00	35.27 1.25 0.00	39.47 1.42 0.00	42.72 1.49 0.00	39.89 1.26 0.00	46.37 1.23 0.00	51.30 1.37 0.00	50.66 1.59 0.00	44.75 1.29 0.12	51.91 1.56 0.00	44.97 1.71 0.00	50.54 1.87 0.00	49.98 2.04 0.00	53.76 2.13 0.00	82.22 2.71 0.00	78.24 2.50 0.00	86.12 2.38 0.00	60.92 1.71 0.00	53.67 1.48 0.00	47.33 1.24 0.00
PATTRSNVILLE___SOLAR 323815	43.55 1.59 0.00	37.89 1.38 0.00	36.82 1.34 0.00	35.07 1.25 0.00	33.34 1.22 0.00	35.38 1.37 0.00	39.58 1.53 0.00	42.58 1.36 0.00	39.66 1.02 0.00	46.30 1.16 0.00	51.12 1.18 0.00	50.28 1.21 0.00	44.32 0.83 0.09	51.46 1.12 0.00	44.76 1.51 0.00	49.94 1.27 0.00	49.28 1.34 0.00	53.25 1.62 0.00	82.33 2.83 0.00	78.99 3.25 0.00	87.39 3.65 0.00	61.72 2.51 0.00	54.32 2.12 0.00	47.80 1.71 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	24.57 -2.22 15.17	34.12 -2.36 0.04	33.46 -2.02 0.00	31.64 -2.18 0.00	29.73 -2.37 0.02	24.78 -2.25 6.99	18.58 -2.12 17.35	23.29 -1.47 16.46	26.42 -1.14 11.07	43.29 -1.26 0.59	31.24 -0.90 17.80	28.61 -1.38 19.08	23.60 -1.76 18.21	29.17 -1.90 19.27	23.76 -1.32 18.18	28.18 -1.61 18.88	26.44 -2.02 19.48	30.24 -1.72 19.67	50.26 -2.65 26.59	51.45 -2.16 22.13	63.87 -2.08 17.78	34.44 -2.62 22.15	29.14 -2.52 20.54	23.82 -2.42 19.86

PAWLING_115_KV_BK3_REV_LBMP_H 345028	45.03 3.06 0.00	39.06 2.55 0.00	37.90 2.42 0.00	36.02 2.21 0.00	34.28 2.15 -0.01	36.37 2.29 -0.06	40.99 2.94 0.00	44.71 3.49 0.00	42.12 3.48 0.00	49.01 3.87 0.00	54.74 4.81 0.00	54.53 5.41 -0.05	48.74 4.93 -0.24	59.14 5.55 -3.25	65.65 5.08 -17.32	76.34 5.98 -21.71	89.45 5.90 -35.60	79.68 6.48 -21.57	92.11 8.80 -3.82	83.84 8.11 0.00	92.09 8.35 0.00	64.69 5.48 0.00	56.76 4.56 0.00	50.10 3.68 -0.32
PEEKSKILL____ 23653	44.62 2.66 0.00	38.74 2.23 0.00	37.58 2.10 0.00	35.73 1.92 0.00	34.00 1.87 -0.01	36.05 1.96 -0.06	40.64 2.59 0.00	44.34 3.12 0.00	41.78 3.15 0.00	48.63 3.49 0.00	54.30 4.36 0.00	54.10 4.94 -0.09	52.91 4.51 -4.82	61.75 4.97 -6.44	81.99 4.51 -34.22	97.22 5.27 -43.29	124.14 5.18 -71.02	100.41 5.74 -43.03	94.70 7.59 -7.61	82.68 6.94 0.00	90.85 7.11 0.00	63.87 4.66 0.00	56.13 3.93 0.00	49.64 3.21 -0.33
PGE MADISON__WINDPWR 24146	45.65 1.44 -2.25	37.71 1.19 -0.01	36.71 1.23 0.00	35.31 1.49 0.00	33.94 1.82 -0.01	37.24 2.12 -1.10	43.00 2.36 -2.59	46.45 2.51 -2.71	43.39 2.75 -2.00	49.02 2.77 -1.11	56.72 2.59 -4.20	55.48 2.32 -4.09	48.92 1.54 -3.81	56.57 2.01 -4.22	48.69 1.47 -3.97	54.14 1.37 -4.11	53.09 1.04 -4.11	58.75 2.72 -4.39	92.82 5.80 -7.52	89.80 7.18 -6.89	98.49 7.94 -6.82	69.19 4.58 -5.40	59.94 3.15 -4.59	51.79 2.24 -3.46
PIERCEFIELD__HYD 23852	39.86 -2.11 0.00	34.46 -2.05 0.00	33.45 -2.04 0.00	32.01 -1.80 0.00	30.45 -1.67 0.00	22.57 -2.03 9.42	15.59 -2.63 19.83	28.49 -2.80 9.93	20.17 -2.73 15.74	42.18 -2.96 0.00	46.27 -3.67 0.00	35.01 -4.17 9.89	17.45 -3.68 22.45	21.52 -4.13 24.69	17.14 -3.74 22.37	20.03 -4.46 24.18	19.67 -4.22 24.05	21.82 -4.45 25.37	43.42 -6.03 30.06	69.23 -4.50 2.01	79.53 -4.21 0.00	49.64 -3.07 6.50	44.70 -2.71 4.79	38.79 -2.19 5.11
PINELAWN_CC_I 323563	45.88 3.82 -0.10	39.58 3.08 0.00	38.29 2.80 0.00	36.35 2.53 0.00	34.69 2.56 -0.01	36.76 2.68 -0.06	41.57 3.52 0.00	45.30 4.08 0.00	42.41 3.77 0.00	49.25 4.11 0.00	55.87 5.49 -0.45	58.68 5.98 -3.63	83.63 5.44 -34.61	61.48 5.74 -5.39	80.54 5.41 -31.88	95.04 6.26 -40.12	122.14 6.35 -67.85	145.39 7.08 -86.67	119.31 9.84 -29.97	95.06 9.19 -10.13	96.91 9.44 -3.73	65.13 5.92 0.00	56.96 4.76 0.00	50.49 4.07 -0.33
PJM_GEN_HTP_PROXY 323702	44.88 2.92 0.00	38.49 2.38 0.40	37.74 2.25 0.00	35.87 2.05 0.00	34.16 2.03 -0.01	36.18 2.10 -0.06	40.90 2.85 0.00	45.50 3.47 -0.81	42.12 3.49 0.00	49.14 4.00 0.00	54.97 5.03 0.00	54.80 5.66 -0.08	53.93 5.19 -5.16	61.61 5.73 -5.53	77.73 5.05 -29.42	91.70 5.87 -37.16	114.59 6.30 -60.97	94.88 8.36 -36.94	105.62 7.60 -17.76	91.12 7.60 -7.78	96.35 7.81 -4.81	64.43 5.23 0.00	56.64 4.45 0.00	50.05 3.62 -0.33
PJM_GEN_KEystone 24065	38.47 0.29 3.78	36.19 0.09 0.41	35.61 0.13 0.00	33.81 0.00 0.00	31.98 -0.13 0.01	32.22 -0.03 1.77	34.15 0.43 4.33	38.83 0.89 3.28	36.99 1.10 2.74	46.20 1.20 0.15	47.31 1.77 4.40	46.40 1.98 4.66	43.30 1.69 1.97	51.73 1.88 0.50	62.90 1.87 -17.78	78.32 2.24 -27.42	126.73 1.94 -76.86	308.03 2.32 -254.07	303.62 2.87 -221.25	236.30 2.72 -157.84	137.58 2.79 -51.06	54.83 1.18 5.56	47.79 0.78 5.19	41.36 0.46 5.20
PJM_GEN_NEPTUNE_PROXY 323594	45.29 3.22 -0.10	38.71 2.60 0.40	37.86 2.38 0.00	35.95 2.14 0.00	34.30 2.18 -0.01	36.35 2.27 -0.06	41.07 3.02 0.00	45.55 3.52 -0.81	41.96 3.33 0.00	48.81 3.67 0.00	55.46 5.07 -0.45	58.30 5.60 -3.63	83.15 4.97 -34.60	61.14 5.29 -5.51	76.97 4.97 -28.74	91.03 5.81 -36.56	114.56 5.82 -60.81	119.29 6.42 -61.24	97.94 8.70 -9.73	84.62 8.01 -0.87	89.69 8.21 2.25	62.60 5.10 1.71	56.29 4.10 0.00	49.95 3.53 -0.33
PJM_GEN_VFT_PROXY 323633	44.72 2.75 0.00	38.35 2.24 0.40	37.60 2.11 0.00	35.73 1.92 0.00	34.01 1.88 -0.01	36.03 1.95 -0.06	40.71 2.66 0.00	45.30 3.27 -0.81	41.96 3.33 0.00	48.94 3.80 0.00	54.71 4.78 0.00	54.56 5.42 -0.08	53.75 5.01 -5.17	61.39 5.52 -5.52	77.48 4.83 -29.39	91.43 5.64 -37.13	114.33 5.48 -60.91	94.68 6.14 -36.91	107.14 8.06 -19.58	92.05 7.27 -9.04	96.82 7.49 -5.59	64.24 5.03 0.00	56.53 4.33 0.00	49.95 3.53 -0.33
PLATSBURG_115KV_PMLD1 355749	41.20 -0.77 0.00	35.66 -0.85 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.52 -0.60 0.00	31.36 -0.58 2.08	32.79 -0.88 4.37	37.88 -1.16 2.19	34.49 -0.56 3.58	44.80 -0.35 0.00	49.04 -0.89 0.00	46.06 -0.75 2.26	37.53 -0.93 5.12	43.88 -0.84 5.63	37.32 -0.83 5.10	41.61 -1.54 5.51	40.72 -1.73 5.48	43.71 -2.15 5.78	69.56 -3.03 6.92	72.10 -3.11 0.53	80.34 -3.40 0.00	55.42 -2.08 1.71	49.99 -0.95 1.26	43.99 -0.76 1.35
PLEASANTVLY__LBMP 24000	44.32 2.36 0.00	38.50 1.99 0.00	37.37 1.89 0.00	35.55 1.74 0.00	33.84 1.71 0.00	35.89 1.81 -0.06	40.41 2.36 0.00	44.00 2.78 0.00	41.40 2.77 0.00	48.13 2.99 0.00	53.65 3.72 0.00	53.31 4.22 -0.03	47.59 3.81 -0.20	56.57 4.20 -2.02	58.06 3.87 -10.94	66.78 4.55 -13.57	74.70 4.50 -22.27	70.10 4.97 -13.49	88.41 6.52 -2.39	81.72 5.98 0.00	89.85 6.11 0.00	63.23 4.02 0.00	55.61 3.41 0.00	49.17 2.77 -0.31
PLSNTVLE_13_KV_13.8KVDIST 80602	44.88 2.91 0.00	38.91 2.40 0.00	37.76 2.28 0.00	35.90 2.08 0.00	34.16 2.03 -0.01	36.22 2.14 -0.06	40.86 2.81 0.00	44.59 3.37 0.00	42.01 3.38 0.00	48.91 3.77 0.00	54.67 4.73 0.00	54.46 5.33 -0.07	54.19 4.86 -5.76	60.54 5.38 -4.82	73.76 4.84 -25.66	86.68 5.66 -32.36	106.57 5.55 -53.09	89.91 6.11 -32.17	93.31 8.12 -5.69	83.14 7.40 0.00	91.34 7.61 0.00	64.27 5.07 0.00	56.48 4.28 0.00	49.91 3.49 -0.33
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	44.88 2.91 0.00	38.91 2.40 0.00	37.76 2.28 0.00	35.90 2.08 0.00	34.16 2.03 -0.01	36.22 2.14 -0.06	40.86 2.81 0.00	44.59 3.37 0.00	42.01 3.38 0.00	48.91 3.77 0.00	54.67 4.73 0.00	54.46 5.33 -0.07	54.19 4.86 -5.76	60.54 5.38 -4.82	73.76 4.84 -25.66	86.68 5.66 -32.36	106.57 5.55 -53.09	89.91 6.11 -32.17	93.31 8.12 -5.69	83.14 7.40 0.00	91.34 7.61 0.00	64.27 5.07 0.00	56.48 4.28 0.00	49.91 3.49 -0.33
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	44.70 2.73 0.00	38.83 2.32 0.00	37.68 2.20 0.00	35.84 2.02 0.00	34.10 1.98 0.00	36.19 2.11 -0.06	40.73 2.69 0.00	44.36 3.13 0.00	41.72 3.08 0.00	48.44 3.30 0.00	53.99 4.05 0.00	53.65 4.55 -0.03	48.18 4.12 -0.48	57.45 4.64 -2.46	61.07 4.31 -13.51	70.67 5.16 -16.85	80.69 5.11 -27.64	73.97 5.58 -16.75	90.09 7.62 -2.96	82.92 7.18 0.00	91.44 7.70 0.00	64.27 5.06 0.00	56.42 4.22 0.00	49.68 3.27 -0.31
POLETTI____ 23519	44.84 2.87 0.00	38.86 2.35 0.00	37.72 2.23 0.00	35.85 2.04 0.00	34.13 2.01 -0.01	36.17 2.09 -0.06	40.87 2.82 0.00	44.61 3.39 0.00	42.05 3.42 0.00	49.03 3.88 0.00	54.85 4.91 0.00	54.69 5.54 -0.08	53.82 5.07 -5.17	61.45 5.59 -5.52	77.54 4.91 -29.38	91.48 5.70 -37.11	114.32 5.50 -60.89	94.63 6.11 -36.89	62.91 8.08 24.67	61.44 7.31 21.61	77.88 7.51 13.37	64.32 5.11 0.00	56.60 4.40 0.00	50.01 3.58 -0.33

POMONA___ESR 323819	44.63 2.67 0.00	38.77 2.26 0.00	37.61 2.13 0.00	35.76 1.94 0.00	34.01 1.88 -0.01	36.06 1.98 -0.06	40.64 2.59 0.00	44.33 3.11 0.00	41.84 3.21 0.00	48.68 3.54 0.00	54.34 4.40 0.00	54.20 5.00 -0.14	53.41 4.59 -5.24	65.55 5.07 -10.14	101.58 4.63 -53.70	122.24 5.41 -68.17	165.11 5.33 -111.84	125.30 5.89 -67.77	99.31 7.82 -11.99	82.88 7.15 0.00	91.04 7.30 0.00	63.97 4.76 0.00	56.18 3.98 0.00	49.67 3.23 -0.34
PORT_JEFF_3 23555	46.06 3.99 -0.10	39.68 3.16 0.00	38.36 2.88 0.00	36.39 2.58 0.00	34.80 2.67 -0.01	36.83 2.75 -0.06	41.67 3.62 0.00	45.31 4.08 0.00	42.22 3.59 0.00	48.92 3.77 0.00	55.58 5.19 -0.45	58.42 5.72 -3.63	83.52 5.33 -34.61	60.77 5.61 -4.81	72.94 5.23 -24.45	82.69 5.72 -28.31	94.34 5.71 -40.69	103.03 6.39 -45.00	86.00 8.78 2.28	87.88 8.41 -3.73	91.77 8.43 0.40	63.19 5.16 1.18	56.38 4.18 0.00	50.17 3.74 -0.33
PORT_JEFF_4 23616	46.06 3.99 -0.10	39.68 3.16 0.00	38.36 2.88 0.00	36.39 2.58 0.00	34.80 2.67 -0.01	36.83 2.75 -0.06	41.67 3.62 0.00	45.31 4.08 0.00	42.22 3.59 0.00	48.92 3.77 0.00	55.58 5.19 -0.45	58.42 5.72 -3.63	83.52 5.33 -34.61	60.77 5.61 -4.81	72.94 5.23 -24.45	82.69 5.72 -28.31	94.34 5.71 -40.69	103.03 6.39 -45.00	86.00 8.78 2.28	87.88 8.41 -3.73	91.77 8.43 0.40	63.19 5.16 1.18	56.38 4.18 0.00	50.17 3.74 -0.33
PORT_JEFF_IC 23713	46.14 4.08 -0.10	39.73 3.22 0.00	38.40 2.92 0.00	36.43 2.61 0.00	34.83 2.70 -0.01	36.87 2.79 -0.06	41.73 3.68 0.00	45.36 4.14 0.00	42.29 3.65 0.00	48.99 3.84 0.00	55.67 5.28 -0.45	58.53 5.83 -3.63	83.61 5.43 -34.61	61.02 5.76 -4.92	73.97 5.35 -25.37	84.27 5.71 -29.90	98.14 5.74 -44.46	107.53 6.45 -49.44	89.46 8.86 -1.10	88.38 8.72 -3.92	92.08 8.63 0.28	63.41 5.35 1.14	56.55 4.35 0.00	50.26 3.83 -0.33
PPL PILGRIM_ST_GT1 24216	46.13 4.07 -0.10	39.80 3.30 0.00	38.49 3.01 0.00	36.52 2.71 0.00	34.88 2.76 -0.01	36.96 2.87 -0.06	41.81 3.77 0.00	45.51 4.29 0.00	42.53 3.90 0.00	49.35 4.21 0.00	55.98 5.60 -0.45	58.80 6.09 -3.63	83.81 5.63 -34.61	61.09 5.91 -4.83	73.68 5.41 -25.01	83.81 6.05 -29.10	96.47 6.12 -42.41	107.30 6.85 -48.81	89.75 9.54 -0.71	89.58 9.10 -4.74	93.23 9.24 -0.25	63.94 5.72 0.99	56.94 4.74 0.00	50.55 4.13 -0.33
PPL PILGRIM_ST_GT2 24217	46.13 4.07 -0.10	39.80 3.30 0.00	38.49 3.01 0.00	36.52 2.71 0.00	34.88 2.76 -0.01	36.96 2.87 -0.06	41.81 3.77 0.00	45.51 4.29 0.00	42.53 3.90 0.00	49.35 4.21 0.00	55.98 5.60 -0.45	58.80 6.09 -3.63	83.81 5.63 -34.61	61.09 5.91 -4.83	73.68 5.41 -25.01	83.81 6.05 -29.10	96.47 6.12 -42.41	107.30 6.85 -48.81	89.75 9.54 -0.71	89.58 9.10 -4.74	93.23 9.24 -0.25	63.94 5.72 0.99	56.94 4.74 0.00	50.55 4.13 -0.33
PPL_SHRM_GT3 24213	46.40 4.33 -0.10	39.65 3.14 0.00	38.32 2.84 0.00	36.36 2.55 0.00	34.86 2.73 -0.01	36.80 2.71 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.05 3.42 0.00	48.50 3.36 0.00	55.03 4.65 -0.45	57.91 5.20 -3.63	83.08 4.89 -34.61	60.30 5.12 -4.84	72.82 4.88 -24.68	82.84 5.47 -28.71	95.25 5.68 -41.64	104.23 6.40 -46.19	87.08 8.95 1.37	88.03 8.47 -3.82	91.92 8.53 0.34	63.19 5.14 1.16	56.21 4.01 0.00	49.91 3.48 -0.33
PPL_SHRM_GT4 24214	46.40 4.33 -0.10	39.65 3.14 0.00	38.32 2.84 0.00	36.36 2.55 0.00	34.86 2.73 -0.01	36.80 2.71 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.05 3.42 0.00	48.50 3.36 0.00	55.03 4.65 -0.45	57.91 5.20 -3.63	83.08 4.89 -34.61	60.30 5.12 -4.84	72.82 4.88 -24.68	82.84 5.47 -28.71	95.25 5.68 -41.64	104.23 6.40 -46.19	87.08 8.95 1.37	88.03 8.47 -3.82	91.92 8.53 0.34	63.19 5.14 1.16	56.21 4.01 0.00	49.91 3.48 -0.33
PROJECT___ORANGE 1 24174	41.80 -0.16 0.00	36.31 -0.20 0.00	35.30 -0.19 0.00	33.58 -0.24 0.00	31.85 -0.26 0.01	33.73 -0.23 0.06	37.85 -0.20 0.00	41.05 -0.17 0.00	38.81 -0.10 -0.28	46.54 -0.14 -1.54	51.76 -0.12 -1.94	50.64 -0.25 -1.82	44.66 -0.21 -1.30	52.02 -0.29 -1.97	44.08 -0.11 -0.94	50.53 -0.02 -1.89	49.65 -0.07 -1.78	53.92 0.14 -2.15	84.93 0.30 -5.13	81.49 0.64 -5.11	90.31 0.67 -5.91	62.28 0.05 -3.02	54.18 -0.19 -2.18	45.66 -0.32 0.12
PROJECT___ORANGE 2 24166	41.80 -0.16 0.00	36.31 -0.20 0.00	35.30 -0.19 0.00	33.58 -0.24 0.00	31.85 -0.26 0.01	33.73 -0.23 0.06	37.85 -0.20 0.00	41.05 -0.17 0.00	38.81 -0.10 -0.28	46.54 -0.14 -1.54	51.76 -0.12 -1.94	50.64 -0.25 -1.82	44.66 -0.21 -1.30	52.02 -0.29 -1.97	44.08 -0.11 -0.94	50.53 -0.02 -1.89	49.65 -0.07 -1.78	53.92 0.14 -2.15	84.93 0.30 -5.13	81.49 0.64 -5.11	90.31 0.67 -5.91	62.28 0.05 -3.02	54.18 -0.19 -2.18	45.66 -0.32 0.12
PUCKETT___SOLAR 323809	42.46 0.49 0.00	36.93 0.43 0.00	35.92 0.43 0.00	34.20 0.38 0.00	32.55 0.39 -0.04	34.94 0.51 -0.42	38.79 0.74 0.00	42.11 0.88 0.00	39.72 0.91 -0.18	47.03 0.90 -0.99	51.96 0.77 -1.25	50.99 0.71 -1.21	45.22 0.58 -1.06	52.60 0.94 -1.31	47.36 0.90 -3.21	51.22 1.29 -1.26	50.04 0.92 -1.19	54.39 1.32 -1.44	85.40 2.48 -3.42	82.32 3.17 -3.41	90.99 3.32 -3.94	62.87 1.64 -2.02	54.69 1.04 -1.45	49.14 0.64 -2.40
PYRITES___HYD 24023	40.75 -1.22 0.00	35.30 -1.20 0.00	34.28 -1.21 0.00	32.79 -1.02 0.00	31.20 -0.92 0.00	24.28 -1.15 8.59	18.37 -1.59 18.09	30.52 -1.65 9.06	22.58 -1.69 14.36	43.23 -1.91 0.00	47.17 -2.76 0.00	36.65 -3.39 9.03	20.18 -2.92 20.48	24.58 -3.24 22.52	19.86 -2.98 20.41	22.95 -3.66 22.06	22.51 -3.49 21.95	24.81 -3.68 23.15	47.30 -4.76 27.45	70.63 -3.25 1.86	81.43 -2.30 0.00	51.60 -1.60 6.02	46.30 -1.47 4.43	40.20 -1.16 4.73
QUAKERRD_115KV_BK1 80622	40.55 -1.42 0.00	35.10 -1.41 0.00	34.16 -1.32 0.00	32.43 -1.38 0.00	30.69 -1.42 0.01	32.47 -1.41 0.14	36.62 -1.43 0.00	40.01 -1.21 0.00	37.62 -1.02 0.00	44.02 -1.12 0.00	48.79 -1.14 0.00	47.66 -1.41 0.00	42.04 -1.54 0.00	48.66 -1.69 0.00	41.13 -1.32 0.80	47.32 -1.35 0.00	46.53 -1.41 0.00	50.50 -1.14 0.00	78.08 -1.42 0.00	74.74 -1.00 0.00	82.64 -1.09 0.00	57.71 -1.50 0.00	50.58 -1.61 0.00	43.69 -1.64 0.77
QUENSBRY_115KV_TB8 356137	44.43 2.47 0.00	38.43 1.92 0.00	37.40 1.92 0.00	35.66 1.84 0.00	33.81 1.70 0.00	36.20 2.18 0.00	40.57 2.52 0.00	43.73 2.50 0.00	40.68 2.05 0.00	47.34 2.19 0.00	52.64 2.71 0.00	52.05 2.98 0.00	45.79 2.32 0.10	53.11 2.77 0.00	45.88 2.63 0.00	52.05 3.39 0.00	51.40 3.46 0.00	55.47 3.84 0.00	85.63 6.13 0.00	81.50 5.76 0.00	90.14 6.41 0.00	63.67 4.46 0.00	55.99 3.79 0.00	49.25 3.16 0.00
RAMAPO___LBMP 323565	44.48 2.51 0.00	38.61 2.10 0.00	37.46 1.98 0.00	35.62 1.80 0.00	33.87 1.75 -0.01	35.92 1.84 -0.06	40.51 2.46 0.00	44.16 2.94 0.00	41.67 3.03 0.00	48.46 3.32 0.00	54.08 4.15 0.00	53.91 4.72 -0.12	52.57 4.30 -4.69	63.87 4.72 -8.81	94.24 4.31 -46.67	112.91 5.05 -59.19	150.02 4.98 -97.10	116.03 5.55 -58.84	97.25 7.34 -10.41	82.44 6.70 0.00	90.60 6.87 0.00	63.67 4.46 0.00	55.93 3.74 0.00	49.47 3.03 -0.35

RANKINE____ 23646	22.94 -2.32 16.71	34.14 -2.33 0.04	33.55 -1.93 0.00	31.70 -2.12 0.00	29.74 -2.36 0.02	24.04 -2.32 7.66	16.69 -2.25 19.11	21.50 -1.59 18.13	25.22 -1.23 12.18	43.20 -1.30 0.65	29.31 -1.04 19.59	26.47 -1.60 21.00	21.53 -2.00 20.05	27.01 -2.12 21.22	21.82 -1.57 19.86	26.00 -1.87 20.79	24.28 -2.30 21.36	28.08 -2.01 21.55	47.22 -3.16 29.12	48.91 -2.59 24.24	61.75 -2.51 19.47	32.07 -2.89 24.25	26.97 -2.72 22.51	21.90 -2.60 21.60
RAVENSWOOD_GT2_1 24244	44.85 2.89 0.00	38.86 2.35 0.00	37.72 2.24 0.00	35.86 2.05 0.00	34.14 2.02 -0.01	36.18 2.09 -0.06	40.87 2.82 0.00	44.62 3.40 0.00	42.06 3.43 0.00	49.03 3.88 0.00	54.85 4.91 0.00	54.68 5.54 -0.08	53.81 5.06 -5.17	61.45 5.58 -5.52	77.54 4.91 -29.38	91.47 5.70 -37.11	114.32 5.51 -60.87	94.65 6.12 -36.88	77.79 8.09 9.80	71.75 7.32 11.31	84.27 7.53 6.99	64.32 5.11 0.00	56.60 4.40 0.00	50.01 3.58 -0.33
RAVENSWOOD_GT2_2 24245	44.85 2.89 0.00	38.86 2.35 0.00	37.72 2.24 0.00	35.86 2.05 0.00	34.14 2.02 -0.01	36.18 2.09 -0.06	40.87 2.82 0.00	44.62 3.40 0.00	42.06 3.43 0.00	49.03 3.88 0.00	54.85 4.91 0.00	54.68 5.54 -0.08	53.81 5.06 -5.17	61.45 5.58 -5.52	77.54 4.91 -29.38	91.47 5.70 -37.11	114.32 5.51 -60.87	94.65 6.12 -36.88	77.79 8.09 9.80	71.75 7.32 11.31	84.27 7.53 6.99	64.32 5.11 0.00	56.60 4.40 0.00	50.01 3.58 -0.33
RAVENSWOOD_GT2_3 24246	44.88 2.92 0.00	38.89 2.38 0.00	37.74 2.26 0.00	35.88 2.07 0.00	34.17 2.04 -0.01	36.18 2.10 -0.06	40.90 2.85 0.00	44.65 3.42 0.00	42.08 3.45 0.00	49.05 3.91 0.00	54.88 4.95 0.00	54.72 5.58 -0.08	53.85 5.10 -5.17	61.50 5.63 -5.52	77.57 4.94 -29.38	91.51 5.74 -37.11	114.37 5.55 -60.87	94.69 6.17 -36.88	80.60 8.17 7.07	73.71 7.39 9.42	85.51 7.60 5.83	64.38 5.17 0.00	56.63 4.43 0.00	50.04 3.61 -0.33
RAVENSWOOD_GT2_4 24247	44.88 2.92 0.00	38.89 2.38 0.00	37.74 2.26 0.00	35.88 2.07 0.00	34.17 2.04 -0.01	36.18 2.10 -0.06	40.90 2.85 0.00	44.65 3.42 0.00	42.08 3.45 0.00	49.05 3.91 0.00	54.88 4.95 0.00	54.72 5.58 -0.08	53.85 5.10 -5.17	61.50 5.63 -5.52	77.57 4.94 -29.38	91.51 5.74 -37.11	114.37 5.55 -60.87	94.69 6.17 -36.88	80.60 8.17 7.07	73.71 7.39 9.42	85.51 7.60 5.83	64.38 5.17 0.00	56.63 4.43 0.00	50.04 3.61 -0.33
RAVENSWOOD_GT3_1 24248	44.88 2.92 0.00	38.89 2.38 0.00	37.74 2.26 0.00	35.88 2.06 0.00	34.16 2.04 -0.01	36.18 2.10 -0.06	40.89 2.84 0.00	44.64 3.42 0.00	42.07 3.43 0.00	49.05 3.91 0.00	54.86 4.92 0.00	54.69 5.55 -0.08	53.83 5.08 -5.17	61.46 5.59 -5.52	77.55 4.92 -29.37	91.48 5.71 -37.10	114.36 5.55 -60.87	94.70 6.18 -36.88	97.97 8.16 -10.31	85.74 7.39 -2.62	92.94 7.59 -1.62	64.34 5.13 0.00	56.60 4.40 0.00	50.02 3.60 -0.33
RAVENSWOOD_GT3_2 24249	44.88 2.92 0.00	38.89 2.38 0.00	37.74 2.26 0.00	35.88 2.06 0.00	34.16 2.04 -0.01	36.18 2.10 -0.06	40.89 2.84 0.00	44.64 3.42 0.00	42.07 3.43 0.00	49.05 3.91 0.00	54.86 4.92 0.00	54.69 5.55 -0.08	53.83 5.08 -5.17	61.46 5.59 -5.52	77.55 4.92 -29.37	91.48 5.71 -37.10	114.36 5.55 -60.87	94.70 6.18 -36.88	97.97 8.16 -10.31	85.74 7.39 -2.62	92.94 7.59 -1.62	64.34 5.13 0.00	56.60 4.40 0.00	50.02 3.60 -0.33
RAVENSWOOD_GT3_3 24250	44.95 2.99 0.00	38.95 2.44 0.00	37.80 2.32 0.00	35.94 2.12 0.00	34.21 2.09 -0.01	36.25 2.17 -0.06	40.97 2.92 0.00	44.73 3.51 0.00	42.16 3.53 0.00	49.15 4.01 0.00	54.99 5.05 0.00	54.83 5.68 -0.08	53.94 5.19 -5.17	61.60 5.73 -5.52	77.66 5.04 -29.38	91.61 5.84 -37.11	114.49 5.68 -60.87	94.82 6.30 -36.88	94.39 8.37 -6.52	83.33 7.59 0.00	91.55 7.82 0.00	64.49 5.28 0.00	56.73 4.53 0.00	50.13 3.70 -0.33
RAVENSWOOD_GT3_4 24251	44.95 2.99 0.00	38.95 2.44 0.00	37.80 2.32 0.00	35.94 2.12 0.00	34.21 2.09 -0.01	36.25 2.17 -0.06	40.97 2.92 0.00	44.73 3.51 0.00	42.16 3.53 0.00	49.15 4.01 0.00	54.99 5.05 0.00	54.83 5.68 -0.08	53.94 5.19 -5.17	61.60 5.73 -5.52	77.66 5.04 -29.38	91.61 5.84 -37.11	114.49 5.68 -60.87	94.82 6.30 -36.88	94.39 8.37 -6.52	83.33 7.59 0.00	91.55 7.82 0.00	64.49 5.28 0.00	56.73 4.53 0.00	50.13 3.70 -0.33
RAVENSWOOD_GT_1 23729	44.91 2.94 0.00	38.92 2.41 0.00	37.78 2.29 0.00	35.91 2.10 0.00	34.20 2.07 -0.01	36.19 2.11 -0.06	40.95 2.90 0.00	44.74 3.52 0.00	42.19 3.55 0.00	49.19 4.05 0.00	55.02 5.08 0.00	54.88 5.73 -0.08	54.01 5.26 -5.17	61.53 5.67 -5.52	77.52 4.89 -29.38	91.45 5.68 -37.11	114.28 5.47 -60.87	94.57 6.05 -36.88	84.69 8.07 2.88	76.09 7.35 6.99	86.88 7.47 4.32	64.25 5.04 0.00	56.51 4.43 0.11	50.08 3.66 -0.33
RAVENSWOOD_GT_10 24258	44.85 2.89 0.00	38.87 2.36 0.00	37.72 2.24 0.00	35.86 2.05 0.00	34.14 2.01 -0.01	36.18 2.09 -0.06	40.87 2.82 0.00	44.62 3.40 0.00	42.05 3.41 0.00	49.02 3.88 0.00	54.84 4.91 0.00	54.68 5.54 -0.08	53.81 5.06 -5.17	61.44 5.58 -5.52	77.54 4.91 -29.38	91.48 5.71 -37.11	114.33 5.51 -60.87	94.65 6.13 -36.88	78.87 8.11 8.74	72.49 7.33 10.58	84.74 7.54 6.54	64.32 5.11 0.00	56.60 4.40 0.00	50.00 3.57 -0.33
RAVENSWOOD_GT_11 24259	44.85 2.89 0.00	38.87 2.36 0.00	37.72 2.24 0.00	35.86 2.05 0.00	34.14 2.01 -0.01	36.18 2.09 -0.06	40.87 2.82 0.00	44.62 3.40 0.00	42.05 3.41 0.00	49.02 3.88 0.00	54.84 4.91 0.00	54.68 5.54 -0.08	53.81 5.06 -5.17	61.44 5.58 -5.52	77.54 4.91 -29.38	91.48 5.71 -37.11	114.33 5.51 -60.87	94.65 6.13 -36.88	78.87 8.11 8.74	72.49 7.33 10.58	84.74 7.54 6.54	64.32 5.11 0.00	56.60 4.40 0.00	50.00 3.57 -0.33
RAVENSWOOD_GT_4 24252	44.86 2.89 0.00	38.87 2.36 0.00	37.73 2.25 0.00	35.87 2.06 0.00	34.16 2.03 -0.01	36.17 2.09 -0.06	40.89 2.84 0.00	44.65 3.43 0.00	42.09 3.45 0.00	49.06 3.92 0.00	54.87 4.94 0.00	54.72 5.58 -0.08	53.87 5.12 -5.17	61.46 5.59 -5.52	77.51 4.88 -29.38	91.44 5.67 -37.11	114.29 5.48 -60.87	94.60 6.08 -36.88	90.96 8.07 -3.39	81.38 7.31 1.67	90.21 7.51 1.03	64.28 5.07 0.00	56.71 4.39 -0.12	50.02 3.60 -0.33
RAVENSWOOD_GT_5 24254	44.86 2.89 0.00	38.87 2.36 0.00	37.73 2.25 0.00	35.87 2.06 0.00	34.16 2.03 -0.01	36.17 2.09 -0.06	40.89 2.84 0.00	44.65 3.43 0.00	42.09 3.45 0.00	49.06 3.92 0.00	54.87 4.94 0.00	54.72 5.58 -0.08	53.87 5.12 -5.17	61.46 5.59 -5.52	77.51 4.88 -29.38	91.44 5.67 -37.11	114.29 5.48 -60.87	94.60 6.08 -36.88	90.96 8.07 -3.39	81.38 7.31 1.67	90.21 7.51 1.03	64.28 5.07 0.00	56.71 4.39 -0.12	50.02 3.60 -0.33
RAVENSWOOD_GT_6 24253	44.86 2.89 0.00	38.87 2.36 0.00	37.73 2.25 0.00	35.87 2.06 0.00	34.16 2.03 -0.01	36.17 2.09 -0.06	40.89 2.84 0.00	44.65 3.43 0.00	42.09 3.45 0.00	49.06 3.92 0.00	54.87 4.94 0.00	54.72 5.58 -0.08	53.87 5.12 -5.17	61.46 5.59 -5.52	77.51 4.88 -29.38	91.44 5.67 -37.11	114.29 5.48 -60.87	94.60 6.08 -36.88	90.96 8.07 -3.39	81.38 7.31 1.67	90.21 7.51 1.03	64.28 5.07 0.00	56.71 4.39 -0.12	50.02 3.60 -0.33

RAVENSWOOD_GT_7 24255	44.86 2.89 0.00	38.87 2.36 0.00	37.73 2.25 0.00	35.87 2.06 0.00	34.16 2.03 -0.01	36.17 2.09 -0.06	40.89 2.84 0.00	44.65 3.43 0.00	42.09 3.45 0.00	49.06 3.92 0.00	54.87 4.94 0.00	54.72 5.58 -0.08	53.87 5.12 -5.17	61.46 5.59 -5.52	77.51 4.88 -29.38	91.44 5.67 -37.11	114.29 5.48 -60.87	94.60 6.08 -36.88	90.96 8.07 -3.39	81.38 7.31 1.67	90.21 7.51 1.03	64.28 5.07 0.00	56.71 4.39 -0.12	50.02 3.60 -0.33
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	44.85 2.89 0.00	38.87 2.36 0.00	37.72 2.24 0.00	35.86 2.05 0.00	34.14 2.01 -0.01	36.18 2.09 -0.06	40.87 2.82 0.00	44.62 3.40 0.00	42.05 3.41 0.00	49.02 3.88 0.00	54.84 4.91 0.00	54.68 5.54 -0.08	53.81 5.06 -5.17	61.44 5.58 -5.52	77.54 4.91 -29.38	91.48 5.71 -37.11	114.33 5.51 -60.87	94.65 6.13 -36.88	78.87 8.11 8.74	72.49 7.33 10.58	84.74 7.54 6.54	64.32 5.11 0.00	56.60 4.40 0.00	50.00 3.57 -0.33
RAVENSWOOD_GT_9 24257	44.85 2.89 0.00	38.87 2.36 0.00	37.72 2.24 0.00	35.86 2.05 0.00	34.14 2.01 -0.01	36.18 2.09 -0.06	40.87 2.82 0.00	44.62 3.40 0.00	42.05 3.41 0.00	49.02 3.88 0.00	54.84 4.91 0.00	54.68 5.54 -0.08	53.81 5.06 -5.17	61.44 5.58 -5.52	77.54 4.91 -29.38	91.48 5.71 -37.11	114.33 5.51 -60.87	94.65 6.13 -36.88	78.87 8.11 8.74	72.49 7.33 10.58	84.74 7.54 6.54	64.32 5.11 0.00	56.60 4.40 0.00	50.00 3.57 -0.33
RAVENSWOOD____1 23533	44.86 2.90 0.00	38.89 2.38 0.00	37.76 2.27 0.00	35.90 2.09 0.00	34.19 2.07 -0.01	36.17 2.09 -0.06	40.91 2.86 0.00	44.71 3.49 0.00	42.16 3.53 0.00	49.16 4.02 0.00	54.97 5.03 0.00	54.83 5.68 -0.08	54.00 5.25 -5.17	61.50 5.63 -5.52	77.51 4.88 -29.38	91.43 5.66 -37.11	114.24 5.43 -60.87	94.52 6.00 -36.88	88.50 8.16 -0.84	79.28 7.48 3.94	88.86 7.56 2.44	64.20 4.99 0.00	56.57 4.38 0.00	50.07 3.64 -0.33
RAVENSWOOD____2 23534	44.77 2.81 0.00	38.81 2.30 0.00	37.69 2.20 0.00	35.83 2.02 0.00	34.13 2.00 -0.01	36.11 2.03 -0.06	40.83 2.78 0.00	44.62 3.40 0.00	42.07 3.44 0.00	49.06 3.92 0.00	54.82 4.89 0.00	54.70 5.56 -0.08	53.87 5.12 -5.17	61.24 5.38 -5.52	77.15 4.53 -29.38	91.02 5.25 -37.11	113.83 5.02 -60.87	94.08 5.56 -36.88	87.88 7.50 -0.88	78.70 6.87 3.91	88.18 6.86 2.42	63.75 4.54 0.00	56.22 4.02 0.00	49.86 3.44 -0.33
RAVENSWOOD____3 23535	44.85 2.88 0.00	38.87 2.36 0.00	37.74 2.25 0.00	35.87 2.06 0.00	34.16 2.03 -0.01	36.18 2.10 -0.06	40.86 2.81 0.00	44.63 3.40 0.00	42.05 3.42 0.00	49.03 3.89 0.00	54.85 4.91 0.00	54.68 5.54 -0.08	53.83 5.09 -5.17	61.45 5.58 -5.52	77.55 4.92 -29.38	91.48 5.71 -37.11	114.33 5.52 -60.87	94.65 6.13 -36.88	88.10 8.14 -0.46	78.93 7.39 4.20	88.72 7.59 2.60	64.31 5.10 0.00	56.58 4.38 0.00	50.02 3.59 -0.33
RAVENSWOOD____4 23820	44.84 2.88 0.00	38.88 2.37 0.00	37.75 2.26 0.00	35.88 2.07 0.00	34.17 2.05 -0.01	36.16 2.08 -0.06	40.89 2.84 0.00	44.68 3.46 0.00	42.12 3.49 0.00	49.13 3.99 0.00	54.93 5.00 0.00	54.79 5.65 -0.08	53.96 5.21 -5.17	61.48 5.61 -5.52	77.49 4.86 -29.38	91.40 5.63 -37.11	114.21 5.40 -60.87	94.50 5.98 -36.88	92.03 8.14 -4.39	82.15 7.46 1.04	90.63 7.54 0.65	64.18 4.98 0.00	56.67 4.36 -0.10	50.05 3.63 -0.33
RCPL_TRUST____DRP 24196	45.21 3.25 0.00	39.15 2.64 0.00	37.98 2.50 0.00	36.09 2.27 0.00	34.37 2.25 -0.01	36.43 2.35 -0.06	41.24 3.19 0.00	45.14 3.92 0.00	42.61 3.98 0.00	49.75 4.60 0.00	55.69 5.75 0.00	55.55 6.40 -0.08	54.52 5.78 -5.16	62.26 6.39 -5.53	78.26 5.59 -29.42	92.31 6.48 -37.16	115.21 6.31 -60.97	95.53 6.95 -36.94	106.49 9.23 -17.76	91.86 8.34 -7.78	97.16 8.62 -4.81	64.98 5.78 0.00	57.14 4.95 0.00	50.50 4.08 -0.33
RED____ROCHESTER 323720	41.76 -0.21 -0.01	36.01 -0.50 0.00	35.06 -0.42 0.00	33.21 -0.60 0.00	31.37 -0.73 0.01	33.25 -0.62 0.16	37.69 -0.37 -0.01	41.30 0.07 -0.01	38.85 0.22 0.00	45.44 0.30 0.00	50.54 0.60 0.00	49.28 0.21 0.00	43.34 -0.24 -0.01	50.29 -0.06 -0.01	42.39 0.00 0.87	48.89 0.22 -0.01	48.06 0.12 0.00	52.37 0.73 0.00	80.91 1.41 0.00	77.35 1.61 0.00	85.52 1.79 0.00	59.55 0.34 0.00	52.22 0.00 -0.01	44.97 -0.29 0.84
REGAN____SOLAR 323812	44.39 2.43 0.00	38.55 2.04 0.00	37.42 1.94 0.00	35.62 1.80 0.00	33.90 1.78 0.00	36.12 2.05 -0.05	40.36 2.31 0.00	42.82 1.60 0.00	39.61 0.98 0.00	46.65 1.51 0.00	51.18 1.25 0.00	49.90 0.83 0.00	43.74 0.16 0.00	51.02 0.68 0.00	45.19 1.64 -0.30	49.42 0.76 0.00	48.52 0.58 0.00	52.85 1.21 0.00	82.99 3.48 0.00	80.79 5.05 0.00	89.97 6.23 0.00	63.38 4.16 0.00	55.60 3.40 0.00	49.10 2.71 -0.29
RENSSELAER____COGEN 23796	43.09 1.13 0.00	37.60 1.09 0.00	36.55 1.07 0.00	34.81 1.00 0.00	33.10 0.99 0.00	35.06 1.04 0.00	39.22 1.17 0.00	42.45 1.23 0.00	39.63 1.00 0.00	46.00 0.86 0.00	50.83 0.90 0.00	50.17 1.10 0.00	44.32 0.86 0.12	51.35 1.01 0.00	44.48 1.23 0.00	50.06 1.40 0.00	49.46 1.52 0.00	53.17 1.53 0.00	81.27 1.77 0.00	77.38 1.64 0.00	85.21 1.48 0.00	60.33 1.12 0.00	53.19 0.99 0.00	46.95 0.85 0.00
REPUBLIC_115KV_BARTNBRK 55605	45.91 3.95 0.00	39.39 2.88 0.00	38.40 2.92 0.00	36.67 2.85 0.00	34.67 2.55 0.00	37.59 3.58 0.00	42.10 4.05 0.00	44.95 3.73 0.00	42.00 3.37 0.00	48.72 3.58 0.00	53.88 3.94 0.00	53.25 4.18 0.00	46.74 3.27 0.10	54.03 3.69 0.00	46.81 3.56 0.00	53.63 4.97 0.00	53.23 5.30 0.00	57.39 5.75 0.00	88.86 9.36 0.00	84.10 8.36 0.00	93.77 10.03 0.00	66.25 7.04 0.00	58.55 6.35 0.00	51.41 5.31 0.00
REVERE_CPPR_DRP 24186	43.49 1.52 0.00	37.53 1.01 0.00	36.44 0.96 0.00	34.69 0.87 0.00	32.95 0.82 0.00	42.95 0.88 -8.06	56.15 1.13 -16.97	50.98 1.27 -8.49	53.50 1.26 -13.60	47.45 1.53 -0.78	52.60 1.68 -0.99	59.25 0.79 -9.39	64.03 0.58 -19.87	73.22 0.75 -22.12	63.58 0.54 -19.80	71.15 0.84 -21.65	70.54 1.12 -21.49	75.96 1.52 -22.80	111.42 3.26 -28.65	84.76 4.39 -4.63	91.89 5.16 -3.00	70.21 2.87 -8.13	60.44 2.28 -5.96	53.03 1.64 -5.29
REYNLDDPA_13_KV_LD 356490	41.18 -0.79 0.00	35.81 -0.70 0.00	34.69 -0.79 0.00	33.17 -0.64 0.00	31.52 -0.60 0.00	30.97 -0.69 2.36	32.18 -0.90 4.97	37.86 -0.87 2.49	33.79 -0.90 3.94	44.33 -0.82 0.00	48.69 -1.25 0.00	45.22 -1.37 2.48	36.85 -1.10 5.62	42.96 -1.20 6.19	36.46 -1.20 5.60	41.04 -1.57 6.06	40.48 -1.43 6.03	43.72 -1.56 6.36	69.77 -2.07 7.66	72.84 -2.26 0.64	81.76 -1.98 0.00	55.84 -1.30 2.07	49.47 -1.20 1.52	43.56 -0.91 1.62
REYNOLDS_115KV_TB3 80639	43.38 1.42 0.00	37.82 1.31 0.00	36.77 1.29 0.00	35.02 1.21 0.00	33.31 1.19 0.00	35.28 1.26 0.00	39.47 1.42 0.00	42.73 1.51 0.00	39.91 1.28 0.00	46.33 1.19 0.00	51.21 1.28 0.00	50.59 1.52 0.00	44.70 1.24 0.12	51.79 1.45 0.00	44.86 1.61 0.00	50.44 1.78 0.00	49.91 1.97 0.00	53.69 2.05 0.00	81.98 2.48 0.00	78.02 2.29 0.00	85.90 2.16 0.00	60.86 1.65 0.00	53.69 1.49 0.00	47.33 1.24 0.00

RIVERBAY____ 323610	45.75 3.79 0.00	39.67 3.15 0.00	38.53 3.05 0.00	36.66 2.84 0.00	34.90 2.78 -0.01	36.93 2.85 -0.06	41.80 3.75 0.00	45.65 4.43 0.00	43.02 4.39 0.00	50.12 4.98 0.00	56.06 6.13 0.00	56.14 6.99 -0.08	55.00 6.25 -5.17	62.71 6.84 -5.52	78.66 6.03 -29.38	92.78 7.01 -37.11	115.52 6.71 -60.87	95.53 7.01 -36.88	96.16 9.93 -6.73	84.98 9.14 -0.10	93.29 9.47 -0.08	65.51 6.30 0.00	57.70 5.50 0.00	51.04 4.62 -0.33
RIVERSDE_115KV_TB3 55908	43.29 1.32 0.00	37.75 1.25 0.00	36.70 1.21 0.00	34.95 1.14 0.00	33.24 1.12 0.00	35.21 1.19 0.00	39.39 1.35 0.00	42.64 1.42 0.00	39.82 1.19 0.00	46.24 1.10 0.00	51.13 1.19 0.00	50.51 1.44 0.00	44.62 1.16 0.12	51.72 1.37 0.00	44.80 1.55 0.00	50.37 1.70 0.00	49.81 1.87 0.00	53.58 1.95 0.00	81.87 2.37 0.00	77.91 2.17 0.00	85.79 2.05 0.00	60.74 1.53 0.00	53.54 1.35 0.00	47.22 1.13 0.00
ROARING__BROOK_WT_PWR 323790	41.31 -0.66 0.00	35.76 -0.75 0.00	34.79 -0.70 0.00	33.29 -0.52 0.00	31.59 -0.53 0.00	33.38 -0.65 0.00	37.18 -0.86 0.00	40.33 -0.90 0.00	37.81 -0.82 0.00	44.59 -0.55 0.00	49.18 -0.76 0.00	48.00 -1.07 0.00	42.42 -1.15 0.00	49.01 -1.34 0.00	42.09 -1.16 0.00	47.15 -1.51 0.00	46.56 -1.37 0.00	50.49 -1.15 0.00	77.85 -1.65 0.00	74.44 -1.30 0.00	82.47 -1.27 0.00	57.99 -1.22 0.00	51.13 -1.07 0.00	45.17 -0.92 0.00
ROCHESRG_115KV_T4 355643	39.05 -0.96 1.95	35.45 -1.06 0.00	34.55 -0.93 0.00	32.75 -1.06 0.00	30.97 -1.14 0.01	31.91 -1.09 1.02	34.79 -1.02 2.24	38.46 -0.63 2.14	36.76 -0.44 1.44	44.66 -0.41 0.08	47.32 -0.30 2.31	45.93 -0.67 2.47	40.22 -1.00 2.36	46.82 -1.03 2.50	39.45 -0.75 3.05	45.48 -0.74 2.45	44.52 -0.92 2.50	48.62 -0.50 2.52	75.59 -0.51 3.40	72.80 -0.13 2.82	81.46 -0.01 2.26	55.50 -0.88 2.82	48.56 -1.02 2.62	41.81 -1.10 3.19
ROCHESTER_9_IC 23652	41.47 -0.51 -0.01	35.82 -0.69 0.00	34.88 -0.60 0.00	33.06 -0.76 0.00	31.24 -0.86 0.01	33.08 -0.79 0.16	37.42 -0.64 -0.02	41.05 -0.19 -0.01	38.61 -0.02 0.00	45.21 0.07 0.00	50.17 0.23 0.00	48.93 -0.14 0.00	43.05 -0.54 -0.01	49.89 -0.47 -0.01	42.12 -0.26 0.87	48.56 -0.11 -0.01	47.63 -0.32 0.00	51.84 0.20 0.00	80.12 0.61 0.00	76.69 0.96 0.00	84.83 1.10 0.00	59.07 -0.14 0.00	51.81 -0.41 -0.01	44.65 -0.60 0.84
ROCKVIEW_13_KV_LD 356306	45.06 3.10 0.00	39.07 2.56 0.00	37.90 2.42 0.00	36.04 2.22 0.00	34.30 2.17 -0.01	36.35 2.27 -0.06	41.05 3.00 0.00	44.79 3.57 0.00	42.22 3.58 0.00	49.18 4.04 0.00	54.99 5.05 0.00	54.79 5.65 -0.08	53.91 5.17 -5.17	61.60 5.73 -5.52	77.77 5.12 -29.40	91.76 5.97 -37.13	114.68 5.82 -60.92	94.98 6.44 -36.91	94.66 8.63 -6.53	83.64 7.90 0.00	91.88 8.15 0.00	64.63 5.42 0.00	56.79 4.59 0.00	50.19 3.77 -0.33
ROME____115KV_TB2 80656	43.49 1.52 0.00	37.53 1.01 0.00	36.44 0.96 0.00	34.69 0.87 0.00	32.95 0.82 0.00	42.95 0.88 -8.06	56.15 1.13 -16.97	50.98 1.27 -8.49	53.50 1.26 -13.60	47.45 1.53 -0.78	52.60 1.68 -0.99	59.25 0.79 -9.39	64.03 0.58 -19.87	73.22 0.75 -22.12	63.58 0.54 -19.80	71.15 0.84 -21.65	70.54 1.12 -21.49	75.96 1.52 -22.80	111.42 3.26 -28.65	84.76 4.39 -4.63	91.89 5.16 -3.00	70.21 2.87 -8.13	60.44 2.28 -5.96	53.03 1.64 -5.29
ROSETON__1 23587	44.24 2.28 0.00	38.48 1.97 0.00	37.35 1.86 0.00	35.52 1.71 0.00	33.81 1.69 -0.01	35.86 1.78 -0.06	40.34 2.30 0.00	43.94 2.71 0.00	41.35 2.72 0.00	48.09 2.96 0.00	53.59 3.66 0.00	53.20 4.13 0.00	47.30 3.72 0.00	54.38 4.04 0.00	47.34 3.75 -0.34	53.05 4.39 0.00	52.27 4.33 0.00	56.41 4.77 0.00	85.72 6.22 0.00	81.46 5.72 0.00	89.56 5.82 0.00	63.03 3.82 0.00	55.46 3.26 0.00	49.09 2.67 -0.33
ROSETON__2 23588	44.24 2.28 0.00	38.48 1.97 0.00	37.35 1.86 0.00	35.52 1.71 0.00	33.81 1.69 -0.01	35.86 1.78 -0.06	40.34 2.30 0.00	43.94 2.71 0.00	41.35 2.72 0.00	48.09 2.96 0.00	53.59 3.66 0.00	53.20 4.13 0.00	47.30 3.72 0.00	54.38 4.04 0.00	47.34 3.75 -0.34	53.05 4.39 0.00	52.27 4.33 0.00	56.41 4.77 0.00	85.72 6.22 0.00	81.46 5.72 0.00	89.56 5.82 0.00	63.03 3.82 0.00	55.46 3.26 0.00	49.09 2.67 -0.33
ROTTDRAM_115KV_TB3 80664	43.38 1.42 0.00	37.77 1.26 0.00	36.71 1.23 0.00	34.97 1.15 0.00	33.23 1.11 0.00	35.23 1.21 0.00	39.44 1.39 0.00	42.64 1.41 0.00	39.87 1.24 0.00	46.45 1.31 0.00	51.41 1.48 0.00	50.69 1.62 0.00	44.79 1.31 0.10	51.90 1.55 0.00	44.88 1.63 0.00	50.43 1.77 0.00	49.76 1.82 0.00	53.66 2.02 0.00	82.39 2.89 0.00	78.61 2.87 0.00	86.77 3.03 0.00	61.36 2.15 0.00	54.04 1.84 0.00	47.57 1.47 0.00
RUSSELL__1 23602	41.70 -0.27 -0.01	36.01 -0.51 0.00	35.06 -0.42 0.00	33.21 -0.60 0.00	31.39 -0.71 0.01	33.24 -0.62 0.16	37.60 -0.46 -0.01	41.26 0.03 -0.01	38.81 0.18 0.00	45.43 0.29 0.00	50.45 0.52 0.00	49.21 0.14 0.00	43.31 -0.27 -0.01	50.20 -0.15 -0.01	42.41 0.03 0.87	48.92 0.25 -0.01	47.99 0.05 0.00	52.27 0.64 0.00	80.82 1.32 0.00	77.30 1.57 0.00	85.44 1.71 0.00	59.48 0.26 0.00	52.13 -0.09 -0.01	44.91 -0.34 0.84
RUSSELL__2 23532	41.70 -0.27 -0.01	36.01 -0.51 0.00	35.06 -0.42 0.00	33.21 -0.60 0.00	31.39 -0.71 0.01	33.24 -0.62 0.16	37.60 -0.46 -0.01	41.26 0.03 -0.01	38.81 0.18 0.00	45.43 0.29 0.00	50.45 0.52 0.00	49.21 0.14 0.00	43.31 -0.27 -0.01	50.20 -0.15 -0.01	42.41 0.03 0.87	48.92 0.25 -0.01	47.99 0.05 0.00	52.27 0.64 0.00	80.82 1.32 0.00	77.30 1.57 0.00	85.44 1.71 0.00	59.48 0.26 0.00	52.13 -0.09 -0.01	44.91 -0.34 0.84
RUSSELL__3 23549	41.70 -0.27 -0.01	36.01 -0.51 0.00	35.06 -0.42 0.00	33.21 -0.60 0.00	31.39 -0.71 0.01	33.24 -0.62 0.16	37.60 -0.46 -0.01	41.26 0.03 -0.01	38.81 0.18 0.00	45.43 0.29 0.00	50.45 0.52 0.00	49.21 0.14 0.00	43.31 -0.27 -0.01	50.20 -0.15 -0.01	42.41 0.03 0.87	48.92 0.25 -0.01	47.99 0.05 0.00	52.27 0.64 0.00	80.82 1.32 0.00	77.30 1.57 0.00	85.44 1.71 0.00	59.48 0.26 0.00	52.13 -0.09 -0.01	44.91 -0.34 0.84
RUSSELL__4 23556	41.70 -0.27 -0.01	36.01 -0.51 0.00	35.06 -0.42 0.00	33.21 -0.60 0.00	31.39 -0.71 0.01	33.24 -0.62 0.16	37.60 -0.46 -0.01	41.26 0.03 -0.01	38.81 0.18 0.00	45.43 0.29 0.00	50.45 0.52 0.00	49.21 0.14 0.00	43.31 -0.27 -0.01	50.20 -0.15 -0.01	42.41 0.03 0.87	48.92 0.25 -0.01	47.99 0.05 0.00	52.27 0.64 0.00	80.82 1.32 0.00	77.30 1.57 0.00	85.44 1.71 0.00	59.48 0.26 0.00	52.13 -0.09 -0.01	44.91 -0.34 0.84
RUSSELL__STATION 23914	41.70 -0.27 -0.01	36.01 -0.51 0.00	35.06 -0.42 0.00	33.21 -0.60 0.00	31.39 -0.71 0.01	33.24 -0.62 0.16	37.60 -0.46 -0.01	41.26 0.03 -0.01	38.81 0.18 0.00	45.43 0.29 0.00	50.45 0.52 0.00	49.21 0.14 0.00	43.31 -0.27 -0.01	50.20 -0.15 -0.01	42.41 0.03 0.87	48.92 0.25 -0.01	47.99 0.05 0.00	52.27 0.64 0.00	80.82 1.32 0.00	77.30 1.57 0.00	85.44 1.71 0.00	59.48 0.26 0.00	52.13 -0.09 -0.01	44.91 -0.34 0.84

S SALMON___HYD 24043	41.16 -0.81 0.00	35.53 -0.98 0.00	34.58 -0.91 0.00	32.88 -0.93 0.00	31.23 -0.88 0.00	26.88 -0.99 6.16	24.20 -1.00 12.85	33.80 -0.99 6.44	27.94 -0.92 9.77	46.59 -0.94 -2.39	51.90 -1.05 -3.02	43.85 -1.64 3.57	29.57 -1.49 12.52	35.63 -1.79 12.93	29.04 -1.43 12.77	34.36 -1.58 12.72	33.65 -1.49 12.81	37.17 -1.38 13.09	66.24 -1.61 11.65	81.86 -0.36 -6.48	92.66 -0.26 -9.20	58.22 -0.93 0.07	51.36 -0.71 0.13	41.42 -0.99 3.69
S.PERRY___115KV_TB1 80734	87.90 0.15 -45.78	36.62 0.00 -0.11	35.86 0.38 0.00	33.99 0.17 0.00	31.91 -0.19 0.03	53.70 -0.27 -19.95	90.73 0.26 -52.41	92.02 1.01 -49.79	73.08 0.99 -33.46	47.92 0.60 -2.18	104.14 0.07 -54.13	106.02 -0.88 -57.83	96.26 -2.51 -55.19	105.54 -3.39 -58.59	89.57 -3.03 -49.35	103.21 -2.83 -57.39	103.72 -3.35 -59.13	108.16 -3.33 -59.85	156.30 -4.72 -81.52	140.91 -2.99 -68.16	136.29 -2.72 -55.28	124.49 -2.34 -67.62	116.23 1.24 -62.79	100.77 0.38 -54.29
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	23.60 -2.65 15.71	33.83 -2.64 0.04	33.22 -2.26 0.00	31.40 -2.41 0.00	29.51 -2.59 0.02	24.27 -2.57 7.18	17.50 -2.55 17.99	22.22 -1.94 17.07	25.62 -1.57 11.44	42.88 -1.65 0.61	30.17 -1.40 18.37	27.35 -2.02 19.69	22.35 -2.39 18.84	27.83 -2.57 19.95	22.50 -2.05 18.71	26.64 -2.48 19.54	25.00 -2.86 20.08	28.79 -2.59 20.26	48.08 -4.05 27.38	49.48 -3.48 22.78	61.97 -3.46 18.30	32.87 -3.53 22.80	27.72 -3.24 21.24	22.80 -2.95 20.34
SAWYER___23_KV_LOAD 55526	23.60 -2.65 15.71	33.83 -2.64 0.04	33.22 -2.26 0.00	31.40 -2.41 0.00	29.51 -2.59 0.02	24.27 -2.57 7.18	17.50 -2.55 17.99	22.22 -1.94 17.07	25.62 -1.57 11.44	42.88 -1.65 0.61	30.17 -1.40 18.37	27.35 -2.02 19.69	22.35 -2.39 18.84	27.83 -2.57 19.95	22.50 -2.05 18.71	26.64 -2.48 19.54	25.00 -2.86 20.08	28.79 -2.59 20.26	48.08 -4.05 27.38	49.48 -3.48 22.78	61.97 -3.46 18.30	32.87 -3.53 22.80	27.72 -3.24 21.24	22.80 -2.95 20.34
SELKIRK___I 23801	43.36 1.39 0.00	37.84 1.34 0.00	36.79 1.31 0.00	35.04 1.22 0.00	33.32 1.20 0.00	35.30 1.28 0.00	39.47 1.42 0.00	42.58 1.36 0.00	39.70 1.07 0.00	46.08 0.94 0.00	50.94 1.00 0.00	50.08 1.02 0.00	43.67 0.20 0.10	50.50 0.15 0.00	43.79 0.53 0.00	49.22 0.56 0.00	48.62 0.68 0.00	45.98 0.52 6.18	80.02 0.52 0.00	76.37 0.63 0.00	84.19 0.45 0.00	59.60 0.39 0.00	52.59 0.40 0.00	46.66 0.57 0.00
SELKIRK___II 23799	43.17 1.21 0.00	37.67 1.16 0.00	36.62 1.14 0.00	34.87 1.06 0.00	33.16 1.04 0.00	35.12 1.10 0.00	39.29 1.24 0.00	42.53 1.31 0.00	39.77 1.13 0.00	46.12 0.97 0.00	50.89 0.95 0.00	50.11 1.05 0.00	44.22 0.75 0.11	51.19 0.84 0.00	44.31 1.06 0.00	49.88 1.21 0.00	49.21 1.27 0.00	30.52 1.22 22.33	80.86 1.36 0.00	77.02 1.29 0.00	84.86 1.13 0.00	60.08 0.87 0.00	53.01 0.81 0.00	46.85 0.76 0.00
SENECA OSWGO___HYD 24041	41.05 -0.91 0.00	35.66 -0.85 0.00	34.66 -0.82 0.00	32.98 -0.84 0.00	31.31 -0.80 0.00	32.38 -0.82 0.81	35.56 -0.89 1.60	39.46 -0.96 0.80	37.45 -0.86 0.31	49.36 -1.04 -5.26	55.45 -1.13 -6.65	53.28 -1.26 -5.47	45.13 -1.12 -2.67	53.79 -1.35 -4.79	44.55 -1.03 -2.32	52.09 -1.14 -4.57	51.01 -1.13 -4.20	55.98 -1.02 -5.36	93.28 -1.45 -15.23	92.20 -0.96 -17.43	103.06 -1.03 -20.36	68.00 -1.05 -9.84	58.13 -1.14 -7.08	44.97 -1.12 0.01
SENECA___115KV_TB3 355854	23.10 -2.15 16.71	34.22 -2.25 0.04	33.60 -1.88 0.00	31.75 -2.07 0.00	29.75 -2.34 0.02	24.11 -2.25 7.66	16.88 -2.06 19.11	21.62 -1.47 18.13	25.33 -1.12 12.18	43.27 -1.23 0.65	29.53 -0.82 19.59	26.65 -1.42 21.00	21.65 -1.87 20.05	27.23 -1.90 21.22	21.88 -1.52 19.86	26.04 -1.83 20.79	24.48 -2.09 21.36	28.31 -1.78 21.55	47.57 -2.81 29.12	49.13 -2.37 24.24	62.00 -2.26 19.47	32.31 -2.65 24.25	27.21 -2.47 22.51	22.04 -2.46 21.60
SENECA___ENERGY 23797	45.10 -0.10 -3.23	36.36 -0.16 -0.01	35.37 -0.12 0.00	33.64 -0.17 0.00	31.81 -0.29 0.01	35.04 -0.26 -1.28	41.73 -0.06 -3.73	45.24 0.05 -3.97	41.88 0.23 -3.01	47.38 0.15 -2.09	56.76 0.10 -6.73	55.41 -0.16 -6.50	48.86 -0.30 -5.59	56.66 -0.40 -6.72	47.60 -0.12 -4.47	55.37 0.17 -6.53	54.62 0.17 -6.51	58.93 0.23 -7.06	92.82 0.76 -12.56	88.91 1.51 -11.65	97.29 1.73 -11.82	68.57 0.55 -8.81	59.72 0.16 -7.36	49.37 -0.19 -3.47
SHOEMAKER___GT 23640	44.23 2.27 0.00	38.46 1.94 0.00	37.33 1.85 0.00	35.50 1.68 0.00	33.76 1.63 -0.01	35.82 1.73 -0.07	40.29 2.24 0.00	43.84 2.62 0.00	41.27 2.64 0.00	47.93 2.79 0.00	53.43 3.49 0.00	52.65 3.99 0.42	40.54 3.63 6.67	24.43 3.96 29.87	-109.82 3.69 156.76	-147.77 4.41 200.84	-277.18 4.35 329.48	-143.03 4.97 199.64	50.62 6.42 35.31	81.73 5.99 0.00	89.95 6.21 0.00	63.24 4.03 0.00	55.55 3.35 0.00	49.16 2.70 -0.37
SHOEMAKR_138KV_BK 111 55601	44.22 2.25 0.00	38.43 1.92 0.00	37.30 1.82 0.00	35.48 1.66 0.00	33.74 1.62 -0.01	35.81 1.72 -0.07	40.29 2.24 0.00	43.84 2.61 0.00	41.29 2.65 0.00	47.96 2.82 0.00	53.49 3.55 0.00	52.49 4.05 0.63	36.35 3.68 10.91	9.26 4.03 45.11	-189.92 3.71 236.89	-250.17 4.42 303.25	-445.16 4.38 497.49	-244.84 4.96 301.44	32.61 6.43 53.32	81.71 5.97 0.00	89.90 6.16 0.00	63.22 4.01 0.00	55.54 3.34 0.00	49.15 2.68 -0.37
SHOREHAM_IC_1 23715	46.40 4.33 -0.10	39.65 3.14 0.00	38.32 2.84 0.00	36.36 2.55 0.00	34.86 2.73 -0.01	36.80 2.71 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.05 3.42 0.00	48.50 3.36 0.00	55.03 4.65 -0.45	57.91 5.20 -3.63	83.08 4.89 -34.61	60.30 5.12 -4.84	72.82 4.88 -24.68	82.84 5.47 -28.71	95.25 5.68 -41.64	104.23 6.40 -46.19	87.08 8.95 1.37	88.03 8.47 -3.82	91.92 8.53 0.34	63.19 5.14 1.16	56.21 4.01 0.00	49.91 3.48 -0.33
SHOREHAM_IC_2 23716	46.40 4.33 -0.10	39.65 3.14 0.00	38.32 2.84 0.00	36.36 2.55 0.00	34.86 2.73 -0.01	36.80 2.71 -0.06	41.64 3.60 0.00	45.30 4.08 0.00	42.05 3.42 0.00	48.50 3.36 0.00	55.03 4.65 -0.45	57.91 5.20 -3.63	83.08 4.89 -34.61	60.30 5.12 -4.84	72.82 4.88 -24.68	82.84 5.47 -28.71	95.25 5.68 -41.64	104.23 6.40 -46.19	87.08 8.95 1.37	88.03 8.47 -3.82	91.92 8.53 0.34	63.19 5.14 1.16	56.21 4.01 0.00	49.91 3.48 -0.33
SISSONVILLE____ 23735	39.86 -2.11 0.00	34.46 -2.05 0.00	33.45 -2.04 0.00	32.01 -1.80 0.00	30.45 -1.67 0.00	22.57 -2.03 9.42	15.59 -2.63 19.83	28.49 -2.80 9.93	20.17 -2.73 15.74	42.18 -2.96 0.00	46.27 -3.67 0.00	35.01 -4.17 9.89	17.45 -3.68 22.45	21.52 -4.13 24.69	17.14 -3.74 22.37	20.03 -4.46 24.18	19.67 -4.22 24.05	21.82 -4.45 25.37	43.42 -6.03 30.06	69.23 -4.50 2.01	79.53 -4.21 0.00	49.64 -3.07 6.50	44.70 -2.71 4.79	38.79 -2.19 5.11
SITHE_IND_GS1 24169	40.93 -1.03 0.00	35.58 -0.93 0.00	34.59 -0.90 0.00	32.93 -0.88 0.00	31.26 -0.86 0.00	33.13 -0.89 0.00	37.04 -1.01 0.00	40.07 -1.16 0.00	34.91 -1.07 2.65	29.25 -1.29 14.60	30.09 -1.40 18.45	30.19 -1.46 17.42	29.81 -1.33 12.44	29.94 -1.55 18.85	29.66 -1.25 12.35	29.22 -1.33 18.11	29.54 -1.33 17.07	29.74 -1.30 20.59	28.43 -1.96 49.11	25.16 -1.61 48.97	25.32 -1.79 56.63	28.71 -1.53 28.97	29.85 -1.48 20.87	42.59 -1.41 2.10

SITHE_IND_GS2 24170	40.93 -1.03 0.00	35.58 -0.93 0.00	34.59 -0.90 0.00	32.93 -0.88 0.00	31.26 -0.86 0.00	33.13 -0.89 0.00	37.04 -1.01 0.00	40.07 -1.16 0.00	34.91 -1.07 2.65	29.25 -1.29 14.60	30.09 -1.40 18.45	30.19 -1.46 17.42	29.81 -1.33 12.44	29.94 -1.55 18.85	29.66 -1.25 12.35	29.22 -1.33 18.11	29.54 -1.33 17.07	29.74 -1.30 20.59	28.43 -1.96 49.11	25.16 -1.61 48.97	25.32 -1.79 56.63	28.71 -1.53 28.97	29.85 -1.48 20.87	42.59 -1.41 2.10
SITHE_IND_GS3 24171	40.93 -1.03 0.00	35.58 -0.93 0.00	34.59 -0.90 0.00	32.93 -0.88 0.00	31.26 -0.86 0.00	33.13 -0.89 0.00	37.04 -1.01 0.00	40.07 -1.16 0.00	34.91 -1.07 2.65	29.25 -1.29 14.60	30.09 -1.40 18.45	30.19 -1.46 17.42	29.81 -1.33 12.44	29.94 -1.55 18.85	29.66 -1.25 12.35	29.22 -1.33 18.11	29.54 -1.33 17.07	29.74 -1.30 20.59	28.43 -1.96 49.11	25.16 -1.61 48.97	25.32 -1.79 56.63	28.71 -1.53 28.97	29.85 -1.48 20.87	42.59 -1.41 2.10
SITHE_IND_GS4 24172	40.93 -1.03 0.00	35.58 -0.93 0.00	34.59 -0.90 0.00	32.93 -0.88 0.00	31.26 -0.86 0.00	33.13 -0.89 0.00	37.04 -1.01 0.00	40.07 -1.16 0.00	34.91 -1.07 2.65	29.25 -1.29 14.60	30.09 -1.40 18.45	30.19 -1.46 17.42	29.81 -1.33 12.44	29.94 -1.55 18.85	29.66 -1.25 12.35	29.22 -1.33 18.11	29.54 -1.33 17.07	29.74 -1.30 20.59	28.43 -1.96 49.11	25.16 -1.61 48.97	25.32 -1.79 56.63	28.71 -1.53 28.97	29.85 -1.48 20.87	42.59 -1.41 2.10
SITHE___BATAVIA 24024	32.98 -0.63 8.36	35.34 -1.15 0.02	34.54 -0.94 0.00	32.67 -1.15 0.00	30.78 -1.32 0.02	29.04 -1.05 3.93	27.82 -0.68 9.54	32.11 -0.04 9.07	32.40 -0.10 6.13	44.65 -0.17 0.33	40.07 0.02 9.88	37.76 -0.72 10.59	32.19 -1.32 10.07	38.46 -1.25 10.64	32.04 -0.88 10.33	37.15 -1.08 10.43	35.66 -1.51 10.77	39.82 -0.93 10.88	63.87 -0.93 14.70	63.70 0.18 12.22	74.87 0.96 9.82	46.66 -0.32 12.23	40.47 -0.47 11.26	34.14 -0.71 11.25
SITHE___INDEPEND 23800	40.92 -1.04 0.00	35.58 -0.93 0.00	34.59 -0.90 0.00	32.93 -0.89 0.00	31.26 -0.86 0.00	33.13 -0.89 0.00	37.04 -1.01 0.00	40.06 -1.16 0.00	34.91 -1.07 2.65	29.25 -1.29 14.60	30.09 -1.40 18.45	30.19 -1.46 17.42	29.81 -1.33 12.44	29.95 -1.54 18.85	29.67 -1.24 12.35	29.23 -1.32 18.11	29.53 -1.34 17.07	29.73 -1.31 20.59	28.41 -1.98 49.11	25.16 -1.60 48.97	25.31 -1.79 56.63	28.70 -1.54 28.97	29.83 -1.50 20.87	42.59 -1.41 2.10
SITHE___MASSENA 23902	40.99 -0.97 0.00	35.64 -0.87 0.00	34.61 -0.87 0.00	33.09 -0.73 0.00	31.45 -0.66 0.00	30.05 -0.79 3.18	30.32 -1.03 6.70	36.85 -1.02 3.36	32.28 -1.03 5.32	44.15 -0.99 0.00	48.56 -1.38 0.00	44.12 -1.60 3.34	34.67 -1.32 7.59	40.57 -1.43 8.34	34.29 -1.40 7.56	38.68 -1.81 8.17	38.06 -1.75 8.13	41.20 -1.86 8.58	66.77 -2.38 10.35	72.43 -2.43 0.87	81.50 -2.24 0.00	54.86 -1.53 2.83	48.81 -1.30 2.08	42.80 -1.07 2.22
SITHE___OGDNSBRG 24021	41.09 -0.87 0.00	35.64 -0.86 0.00	34.61 -0.88 0.00	33.11 -0.70 0.00	31.48 -0.64 0.00	26.22 -0.80 7.00	22.18 -1.13 14.73	32.71 -1.14 7.38	25.72 -1.22 11.69	43.73 -1.41 0.00	47.83 -2.11 0.00	39.07 -2.65 7.35	24.64 -2.26 16.68	29.52 -2.48 18.34	24.30 -2.33 16.62	27.79 -2.92 17.96	27.30 -2.77 17.87	29.84 -2.95 18.85	53.33 -3.76 22.41	71.44 -2.73 1.57	82.02 -1.71 0.00	53.00 -1.14 5.08	47.41 -1.05 3.74	41.28 -0.82 3.99
SITHE___STERLING 23777	43.17 1.21 0.00	37.41 0.89 0.00	36.34 0.86 0.00	34.60 0.78 0.00	32.86 0.74 0.00	39.46 0.80 -4.63	48.82 1.02 -9.76	47.23 1.12 -4.88	47.64 1.11 -7.89	47.26 1.28 -0.83	52.38 1.39 -1.05	55.75 0.83 -5.86	56.01 0.68 -11.75	64.45 0.89 -13.22	55.61 0.65 -11.71	62.51 0.92 -12.92	61.80 1.05 -12.80	66.66 1.37 -13.65	99.93 2.66 -17.77	83.13 3.44 -3.95	90.98 4.04 -3.21	66.93 2.28 -5.44	57.95 1.77 -3.98	50.50 1.30 -3.11
SLEIGHT__34_KV_TB1 80719	41.45 -0.52 0.00	35.89 -0.61 0.00	34.89 -0.59 0.00	33.15 -0.66 0.00	31.39 -0.72 0.01	33.23 -0.66 0.13	37.49 -0.56 0.00	40.84 -0.39 0.00	38.54 -0.21 -0.12	45.56 -0.23 -0.65	50.51 -0.25 -0.82	49.30 -0.50 -0.74	43.38 -0.72 -0.52	50.34 -0.79 -0.79	42.50 -0.52 0.23	48.99 -0.44 -0.76	48.31 -0.35 -0.71	52.33 -0.17 -0.86	81.71 0.15 -2.06	78.55 0.76 -2.05	87.01 0.91 -2.37	60.36 -0.06 -1.21	52.67 -0.40 -0.87	44.82 -0.65 0.63
SOUTH CAIRO___GT 23612	44.57 2.60 0.00	38.78 2.27 0.00	37.66 2.18 0.00	35.84 2.03 0.00	34.07 1.95 0.00	36.15 2.13 0.00	40.54 2.49 0.00	43.86 2.64 0.00	40.71 2.08 0.00	46.90 1.75 0.00	51.72 1.78 0.00	51.04 1.97 0.00	45.18 1.60 0.00	52.23 1.89 0.00	45.96 2.71 0.00	51.99 3.32 0.00	51.40 3.46 0.00	47.07 3.29 7.86	84.34 4.84 0.00	80.88 5.15 0.00	89.36 5.63 0.00	63.00 3.79 0.00	55.28 3.08 0.00	48.62 2.52 0.00
SOUTH HAMPTN___IC 23720	46.27 4.20 -0.10	39.57 3.06 0.00	38.25 2.77 0.00	36.29 2.47 0.00	34.78 2.65 -0.01	36.75 2.66 -0.06	41.60 3.56 0.00	45.26 4.04 0.00	42.07 3.44 0.00	48.58 3.44 0.00	55.12 4.74 -0.45	58.00 5.30 -3.63	83.16 4.98 -34.61	60.38 5.23 -4.80	72.62 4.98 -24.38	82.46 5.61 -28.19	94.18 5.84 -40.41	102.98 6.61 -44.73	86.27 9.25 2.49	88.25 8.76 -3.75	92.20 8.86 0.39	63.33 5.30 1.18	56.30 4.11 0.00	49.95 3.53 -0.33
SOUTHDOW__115KV_TB1 355954	26.51 -1.00 14.45	35.38 -1.10 0.04	34.64 -0.85 0.00	32.36 -1.46 0.00	30.15 -1.95 0.02	25.57 -1.78 6.67	20.51 -1.00 16.53	25.23 -0.32 15.68	28.08 -0.02 10.53	44.61 0.02 0.56	33.39 0.38 16.92	30.63 -0.31 18.13	25.86 -0.49 17.24	32.03 0.01 18.33	26.13 0.33 17.46	30.94 0.24 17.96	28.69 -0.48 18.77	32.24 -0.33 19.06	52.99 -0.75 25.76	54.56 0.28 21.46	67.10 0.61 17.24	37.30 -0.44 21.47	30.87 -1.37 19.95	24.93 -1.80 19.36
SOUTHOLD_69_KV_BK 2 55809	45.95 3.89 -0.10	39.30 2.79 0.00	37.98 2.49 0.00	36.03 2.22 0.00	34.53 2.40 -0.01	36.51 2.42 -0.06	41.37 3.32 0.00	44.99 3.77 0.00	41.84 3.21 0.00	48.32 3.17 0.00	54.86 4.47 -0.45	57.75 5.05 -3.63	82.92 4.73 -34.61	60.16 5.01 -4.81	72.45 4.80 -24.39	82.30 5.43 -28.20	94.08 5.71 -40.44	102.94 6.54 -44.77	86.16 9.11 2.45	88.11 8.62 -3.76	92.06 8.71 0.38	63.17 5.13 1.17	56.10 3.91 0.00	49.70 3.28 -0.33
SOUTHOLD___IC 23719	45.93 3.87 -0.10	39.30 2.79 0.00	37.98 2.49 0.00	36.03 2.22 0.00	34.53 2.41 -0.01	36.50 2.42 -0.06	41.35 3.30 0.00	44.98 3.76 0.00	41.83 3.19 0.00	48.32 3.18 0.00	54.84 4.45 -0.45	57.74 5.03 -3.63	82.92 4.74 -34.61	60.14 4.99 -4.81	72.46 4.81 -24.39	82.30 5.43 -28.20	94.09 5.71 -40.44	102.93 6.53 -44.77	86.16 9.12 2.45	88.10 8.60 -3.76	92.07 8.72 0.39	63.14 5.11 1.18	56.08 3.88 0.00	49.70 3.27 -0.33
SOUTH_FORK_WT_PWR 323839	45.39 3.32 -0.10	38.81 2.30 0.00	37.49 2.01 0.00	35.56 1.75 0.00	34.10 1.98 -0.01	36.04 1.96 -0.06	40.83 2.79 0.00	44.42 3.20 0.00	41.31 2.68 0.00	47.69 2.55 0.00	54.14 3.75 -0.45	57.06 4.35 -3.63	82.33 4.15 -34.61	59.46 4.31 -4.80	71.86 4.22 -24.39	81.62 4.76 -28.19	93.45 5.09 -40.42	102.22 5.84 -44.74	85.11 8.08 2.47	87.11 7.62 -3.76	90.98 7.63 0.39	62.35 4.31 1.18	55.37 3.17 0.00	49.08 2.66 -0.33

SPIERFLS_115KV_TB 1 80737	43.92 1.96 0.00	38.06 1.55 0.00	37.04 1.56 0.00	35.32 1.50 0.00	33.53 1.41 0.00	35.78 1.76 0.00	40.09 2.04 0.00	43.26 2.03 0.00	40.29 1.66 0.00	46.90 1.76 0.00	52.12 2.18 0.00	51.50 2.43 0.00	45.32 1.85 0.10	52.56 2.21 0.00	45.41 2.15 0.00	51.35 2.69 0.00	50.72 2.78 0.00	54.71 3.08 0.00	84.37 4.87 0.00	80.42 4.68 0.00	88.87 5.14 0.00	62.81 3.61 0.00	55.18 2.98 0.00	48.61 2.52 0.00
ST LAWRENCE____ 23600	40.84 -1.12 0.00	35.48 -1.03 0.00	34.44 -1.05 0.00	32.93 -0.89 0.00	31.28 -0.84 0.00	31.00 -0.93 2.09	32.47 -1.18 4.39	37.82 -1.20 2.20	33.96 -1.19 3.49	44.01 -1.13 0.00	48.48 -1.46 0.00	45.31 -1.57 2.19	37.25 -1.36 4.97	43.38 -1.50 5.47	36.83 -1.47 4.96	41.44 -1.87 5.36	40.79 -1.82 5.33	44.08 -1.93 5.62	70.25 -2.48 6.77	72.61 -2.57 0.56	81.20 -2.53 0.00	55.70 -1.69 1.81	49.41 -1.44 1.36	43.46 -1.20 1.43
STATE_CA_115KV_115_LB 55624	43.38 1.42 0.00	37.83 1.32 0.00	36.77 1.28 0.00	35.02 1.20 0.00	33.29 1.17 0.00	35.27 1.25 0.00	39.47 1.42 0.00	42.72 1.50 0.00	39.91 1.27 0.00	46.38 1.24 0.00	51.31 1.38 0.00	50.67 1.61 0.00	44.75 1.29 0.11	51.91 1.57 0.00	44.97 1.72 0.00	50.56 1.89 0.00	49.99 2.05 0.00	53.78 2.15 0.00	82.23 2.73 0.00	78.26 2.52 0.00	86.14 2.41 0.00	60.93 1.72 0.00	53.68 1.49 0.00	47.33 1.24 0.00
STATE_ST_34_KV_LOAD 55959	44.12 0.39 -1.76	36.81 0.29 0.00	35.68 0.20 0.00	34.03 0.21 0.00	32.26 0.15 0.01	34.92 0.24 -0.66	40.47 0.33 -2.09	44.72 0.61 -2.89	41.71 0.76 -2.32	48.14 0.78 -2.22	56.50 0.78 -5.78	54.33 0.18 -5.08	47.76 0.07 -4.10	55.57 -0.05 -5.27	46.77 0.24 -3.27	54.26 0.48 -5.11	53.35 0.40 -5.01	57.73 0.48 -5.61	91.58 1.01 -11.06	88.23 1.92 -10.57	97.31 2.25 -11.32	67.50 1.00 -7.29	58.64 0.63 -5.81	48.14 0.18 -1.86
STATION 5_MISC_HYD 23604	41.53 -0.44 -0.01	35.82 -0.69 0.00	34.88 -0.60 0.00	33.06 -0.76 0.00	31.23 -0.88 0.01	33.09 -0.77 0.16	37.50 -0.56 -0.02	41.09 -0.15 -0.01	38.64 0.00 0.00	45.20 0.06 0.00	50.25 0.31 0.00	49.00 -0.07 0.00	43.08 -0.51 -0.01	49.96 -0.39 -0.01	42.09 -0.29 0.87	48.54 -0.14 -0.01	47.70 -0.24 0.00	51.92 0.29 0.00	80.24 0.74 0.00	76.73 0.99 0.00	84.92 1.18 0.00	59.16 -0.05 0.00	51.90 -0.32 -0.01	44.70 -0.55 0.84
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	41.69 -0.28 0.00	36.10 -0.41 0.00	35.13 -0.36 0.00	33.35 -0.47 0.00	31.53 -0.57 0.01	33.37 -0.50 0.15	37.70 -0.34 0.00	41.20 -0.02 0.00	38.89 0.14 -0.12	45.96 0.14 -0.68	51.00 0.20 -0.86	49.79 -0.09 -0.80	43.81 -0.34 -0.57	50.81 -0.40 -0.87	42.80 -0.18 0.28	49.55 0.05 -0.83	48.66 -0.06 -0.79	52.87 0.28 -0.95	82.61 0.84 -2.27	79.31 1.32 -2.26	87.80 1.46 -2.61	60.78 0.24 -1.33	53.03 -0.12 -0.96	44.99 -0.39 0.72
STA_56_34_KV_BUS2_REV_LBMP_B 345033	41.21 -0.76 -0.01	35.62 -0.89 0.00	34.68 -0.81 0.00	32.88 -0.93 0.00	31.09 -1.01 0.01	32.91 -0.95 0.15	37.19 -0.87 -0.01	40.75 -0.48 -0.01	38.33 -0.31 0.00	44.87 -0.27 0.00	49.80 -0.14 0.00	48.60 -0.47 0.00	42.79 -0.79 -0.01	49.61 -0.74 -0.01	41.92 -0.50 0.85	48.29 -0.38 -0.01	47.41 -0.53 0.00	51.56 -0.08 0.00	79.70 0.19 0.00	76.28 0.54 0.00	84.37 0.63 0.00	58.78 -0.43 0.00	51.53 -0.68 -0.01	44.42 -0.85 0.82
STA_56____34_KV_BUS2 355983	41.21 -0.76 -0.01	35.62 -0.89 0.00	34.68 -0.81 0.00	32.88 -0.93 0.00	31.09 -1.01 0.01	32.91 -0.95 0.15	37.19 -0.87 -0.01	40.75 -0.48 -0.01	38.33 -0.31 0.00	44.87 -0.27 0.00	49.80 -0.14 0.00	48.60 -0.47 0.00	42.79 -0.79 -0.01	49.61 -0.74 -0.01	41.92 -0.50 0.85	48.29 -0.38 -0.01	47.41 -0.53 0.00	51.56 -0.08 0.00	79.70 0.19 0.00	76.28 0.54 0.00	84.37 0.63 0.00	58.78 -0.43 0.00	51.53 -0.68 -0.01	44.42 -0.85 0.82
STA_67____115KV_BK2 355882	41.37 -0.60 -0.01	35.74 -0.77 0.00	34.81 -0.67 0.00	32.99 -0.82 0.00	31.19 -0.92 0.01	33.01 -0.85 0.16	37.34 -0.72 -0.02	40.96 -0.28 -0.01	38.53 -0.11 0.00	45.10 -0.04 0.00	50.05 0.12 0.00	48.80 -0.27 0.00	42.94 -0.64 -0.01	49.76 -0.60 -0.01	42.00 -0.38 0.87	48.42 -0.26 -0.01	47.48 -0.46 0.00	51.67 0.04 0.00	79.86 0.36 0.00	76.46 0.72 0.00	84.60 0.87 0.00	58.92 -0.29 0.00	51.69 -0.53 -0.02	44.55 -0.71 0.85
STA_7____115KV_9TRANS 80674	41.70 -0.27 -0.01	36.01 -0.51 0.00	35.06 -0.42 0.00	33.21 -0.60 0.00	31.39 -0.71 0.01	33.24 -0.62 0.16	37.60 -0.46 -0.01	41.26 0.03 -0.01	38.81 0.18 0.00	45.43 0.29 0.00	50.45 0.52 0.00	49.21 0.14 0.00	43.31 -0.27 -0.01	50.20 -0.15 -0.01	42.41 0.03 0.87	48.92 0.25 -0.01	47.99 0.05 0.00	52.27 0.64 0.00	80.82 1.32 0.00	77.30 1.57 0.00	85.44 1.71 0.00	59.48 0.26 0.00	52.13 -0.09 -0.01	44.91 -0.34 0.84
STA_82____115KV_TB1 80780	41.26 -0.71 -0.01	35.65 -0.86 0.00	34.73 -0.75 0.00	32.92 -0.89 0.00	31.12 -0.98 0.01	32.94 -0.93 0.16	37.25 -0.82 -0.02	40.85 -0.38 -0.01	38.42 -0.21 0.00	44.98 -0.16 0.00	49.91 -0.03 0.00	48.66 -0.41 0.00	42.81 -0.77 -0.01	49.60 -0.75 -0.01	41.86 -0.52 0.87	48.25 -0.43 -0.01	47.31 -0.63 0.00	51.48 -0.15 0.00	79.55 0.05 0.00	76.17 0.43 0.00	84.32 0.59 0.00	58.74 -0.48 0.00	51.54 -0.67 -0.02	44.42 -0.83 0.85
STEEL____WIND 323596	23.03 -2.23 16.71	34.15 -2.32 0.04	33.56 -1.92 0.00	31.71 -2.10 0.00	29.70 -2.40 0.02	24.08 -2.29 7.66	16.82 -2.12 19.11	21.55 -1.54 18.13	25.26 -1.19 12.18	43.17 -1.33 0.65	29.43 -0.92 19.59	26.56 -1.51 21.00	21.56 -1.96 20.05	27.15 -1.98 21.22	21.79 -1.61 19.86	25.94 -1.93 20.79	24.38 -2.20 21.36	28.20 -1.89 21.55	47.39 -2.99 29.12	48.97 -2.53 24.24	61.83 -2.43 19.47	32.23 -2.72 24.25	27.12 -2.56 22.51	21.96 -2.54 21.60
STEPHTWN_115KV_BK_2 55603	43.47 1.51 0.00	37.92 1.41 0.00	36.85 1.36 0.00	35.09 1.27 0.00	33.37 1.25 0.00	35.36 1.34 0.00	39.59 1.55 0.00	42.86 1.63 0.00	40.00 1.36 0.00	46.46 1.32 0.00	51.30 1.37 0.00	50.63 1.56 0.00	44.71 1.25 0.12	51.84 1.50 0.00	44.96 1.71 0.00	50.62 1.95 0.00	50.00 2.06 0.00	53.77 2.13 0.00	82.26 2.75 0.00	78.33 2.59 0.00	86.22 2.49 0.00	60.98 1.77 0.00	53.71 1.51 0.00	47.36 1.26 0.00
STEBEN_REC_LFGE 323667	75.64 -1.97 -35.65	35.17 -1.43 -0.09	34.95 -0.53 0.00	33.23 -0.58 0.00	30.73 -1.35 0.04	47.09 -2.21 -15.28	77.41 -1.43 -40.79	79.45 -0.68 -38.90	64.65 -0.23 -26.24	46.47 -0.91 -2.24	91.04 -1.86 -42.96	92.13 -2.43 -45.50	84.75 -2.18 -43.35	93.77 -2.70 -46.13	79.01 -1.62 -37.39	93.11 -0.72 -45.16	92.98 -1.43 -46.47	97.19 -1.60 -47.15	142.46 -2.07 -65.03	129.66 -0.99 -54.92	127.56 -1.40 -45.23	110.97 -1.92 -53.68	100.44 -1.46 -49.70	85.03 -2.14 -41.07
STILLWATER____SOLAR 323814	44.12 2.15 0.00	38.34 1.83 0.00	37.27 1.79 0.00	35.51 1.70 0.00	33.74 1.63 0.00	35.86 1.84 0.00	40.16 2.11 0.00	43.37 2.15 0.00	40.42 1.79 0.00	47.03 1.88 0.00	52.12 2.18 0.00	51.46 2.39 0.00	45.36 1.89 0.11	52.63 2.29 0.00	45.58 2.33 0.00	51.37 2.70 0.00	50.74 2.80 0.00	54.72 3.08 0.00	84.19 4.69 0.00	80.32 4.58 0.00	88.63 4.89 0.00	62.63 3.42 0.00	55.12 2.92 0.00	48.50 2.41 0.00

STONY___BROOK 24151	46.15 4.09 -0.10	39.74 3.23 0.00	38.41 2.93 0.00	36.44 2.63 0.00	34.84 2.71 -0.01	36.88 2.80 -0.06	41.74 3.69 0.00	45.40 4.18 0.00	42.34 3.71 0.00	49.08 3.94 0.00	55.75 5.37 -0.45	58.62 5.92 -3.63	83.73 5.55 -34.61	61.22 5.90 -4.98	74.61 5.51 -25.85	85.40 6.00 -30.74	100.42 6.03 -46.45	110.08 6.76 -51.69	91.64 9.33 -2.81	88.74 9.03 -3.97	92.51 9.02 0.25	63.60 5.53 1.13	56.66 4.46 0.00	50.35 3.92 -0.33
STURGEON_POOL_HYD 23609	44.51 2.55 0.00	38.70 2.19 0.00	37.55 2.07 0.00	35.71 1.90 0.00	33.97 1.85 -0.01	36.04 1.96 -0.06	40.55 2.50 0.00	44.16 2.94 0.00	41.60 2.97 0.00	48.38 3.24 0.00	53.91 3.98 0.00	53.57 4.47 -0.02	48.16 4.11 -0.48	56.62 4.52 -1.75	56.98 4.15 -9.57	65.53 5.07 -11.80	72.30 5.00 -19.36	67.08 5.47 -9.97	88.88 7.30 -2.08	82.42 6.68 0.00	90.64 6.90 0.00	63.82 4.61 0.00	56.08 3.88 0.00	49.51 3.09 -0.32
ST_LAW_115_BK7_LBMP 345037	40.76 -1.20 0.00	35.42 -1.09 0.00	34.37 -1.11 0.00	32.87 -0.94 0.00	31.23 -0.88 0.00	30.67 -1.00 2.36	31.84 -1.24 4.97	37.47 -1.27 2.49	33.43 -1.26 3.94	43.92 -1.22 0.00	48.36 -1.57 0.00	44.89 -1.70 2.48	36.50 -1.45 5.62	42.57 -1.59 6.19	36.09 -1.55 5.60	40.64 -1.97 6.06	40.00 -1.91 6.03	43.23 -2.05 6.36	69.20 -2.63 7.66	72.32 -2.78 0.64	81.02 -2.72 0.00	55.35 -1.80 2.07	49.14 -1.54 1.52	43.19 -1.28 1.62
ST_LAW_115_BK8_LBMP 345038	40.76 -1.20 0.00	35.42 -1.09 0.00	34.37 -1.11 0.00	32.87 -0.94 0.00	31.23 -0.88 0.00	30.67 -1.00 2.36	31.84 -1.24 4.97	37.47 -1.27 2.49	33.43 -1.26 3.94	43.92 -1.22 0.00	48.36 -1.57 0.00	44.89 -1.70 2.48	36.50 -1.45 5.62	42.57 -1.59 6.19	36.09 -1.55 5.60	40.64 -1.97 6.06	40.00 -1.91 6.03	43.23 -2.05 6.36	69.20 -2.63 7.66	72.32 -2.78 0.64	81.02 -2.72 0.00	55.35 -1.80 2.07	49.14 -1.54 1.52	43.19 -1.28 1.62
ST_LAW_230_BK5_LBMP 345035	40.84 -1.12 0.00	35.48 -1.03 0.00	34.44 -1.05 0.00	32.93 -0.89 0.00	31.28 -0.84 0.00	31.22 -0.93 1.87	32.94 -1.18 3.93	38.05 -1.20 1.97	34.32 -1.19 3.12	44.01 -1.13 0.00	48.48 -1.46 0.00	45.54 -1.57 1.96	37.77 -1.36 4.44	43.96 -1.50 4.89	37.35 -1.47 4.43	42.00 -1.87 4.79	41.35 -1.82 4.76	44.68 -1.93 5.03	70.98 -2.48 6.05	72.67 -2.57 0.50	81.20 -2.53 0.00	55.91 -1.69 1.61	49.58 -1.44 1.19	43.62 -1.20 1.26
ST_LAW_230_BK6_LBMP 345036	40.84 -1.12 0.00	35.48 -1.03 0.00	34.44 -1.05 0.00	32.93 -0.89 0.00	31.28 -0.84 0.00	31.22 -0.93 1.87	32.94 -1.18 3.93	38.05 -1.20 1.97	34.32 -1.19 3.12	44.01 -1.13 0.00	48.48 -1.46 0.00	45.54 -1.57 1.96	37.77 -1.36 4.44	43.96 -1.50 4.89	37.35 -1.47 4.43	42.00 -1.87 4.79	41.35 -1.82 4.76	44.68 -1.93 5.03	70.98 -2.48 6.05	72.67 -2.57 0.50	81.20 -2.53 0.00	55.91 -1.69 1.61	49.58 -1.44 1.19	43.62 -1.20 1.26
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	44.43 2.47 0.00	38.60 2.09 0.00	37.45 1.97 0.00	35.61 1.79 0.00	33.86 1.74 -0.01	35.92 1.84 -0.07	40.46 2.42 0.00	44.08 2.86 0.00	41.56 2.93 0.00	48.33 3.19 0.00	53.95 4.02 0.00	53.92 4.56 -0.29	55.18 4.14 -7.46	75.91 4.56 -21.00	158.24 4.20 -110.79	194.71 4.94 -141.11	284.33 4.89 -231.50	197.34 5.43 -140.27	111.48 7.17 -24.81	82.32 6.59 0.00	90.49 6.76 0.00	63.61 4.40 0.00	55.88 3.68 0.00	49.41 2.96 -0.36
SWANROAD_115KV_TB1 355699	26.25 -3.09 12.63	33.13 -3.35 0.03	32.56 -2.93 0.00	30.78 -3.03 0.00	28.99 -3.11 0.02	25.20 -2.93 5.89	20.70 -2.94 14.40	25.19 -2.34 13.69	27.29 -2.05 9.29	42.12 -2.53 0.49	33.00 -1.95 14.99	30.40 -2.60 16.07	25.36 -2.97 15.25	31.00 -3.26 16.09	25.35 -2.73 15.16	29.42 -3.45 15.78	27.78 -3.82 16.34	31.50 -3.62 16.52	51.20 -5.97 22.33	51.85 -5.31 18.58	63.34 -5.47 14.92	35.91 -4.73 18.57	31.24 -3.94 17.02	26.05 -3.38 16.67
SYNERGY___BIOGAS 323694	32.87 -0.74 8.36	35.33 -1.17 0.02	34.55 -0.94 0.00	32.67 -1.15 0.00	30.81 -1.29 0.02	29.02 -1.07 3.93	27.68 -0.82 9.54	32.05 -0.10 9.07	32.36 -0.14 6.13	44.66 -0.16 0.33	39.94 -0.11 9.88	37.65 -0.83 10.59	32.15 -1.35 10.07	38.32 -1.39 10.64	32.07 -0.85 10.33	37.18 -1.05 10.43	35.52 -1.65 10.77	39.69 -1.06 10.88	63.70 -1.10 14.70	63.63 0.12 12.22	74.76 0.84 9.82	46.51 -0.47 12.23	40.27 -0.67 11.26	34.06 -0.79 11.25
SYRACUSE___ENERGY_ST1 323597	42.00 0.04 0.00	36.49 -0.02 0.00	35.46 -0.02 0.00	33.75 -0.07 0.00	32.02 -0.09 0.01	33.89 -0.05 0.08	38.05 0.00 0.00	41.20 -0.03 0.00	39.20 0.04 -0.52	48.02 0.00 -2.87	53.59 0.02 -3.63	52.32 -0.15 -3.39	45.91 -0.08 -2.42	53.84 -0.17 -3.67	45.23 0.02 -1.95	52.31 0.13 -3.52	51.33 0.07 -3.32	55.96 0.31 -4.01	89.62 0.56 -9.55	86.26 1.00 -9.52	95.84 1.09 -11.01	65.20 0.35 -5.63	56.33 0.08 -4.06	45.96 -0.12 0.02
SYRACUSE___ENERGY_ST2 323598	42.00 0.04 0.00	36.49 -0.02 0.00	35.46 -0.02 0.00	33.75 -0.07 0.00	32.02 -0.09 0.01	33.89 -0.05 0.08	38.05 0.00 0.00	41.20 -0.03 0.00	39.20 0.04 -0.52	48.02 0.00 -2.87	53.59 0.02 -3.63	52.32 -0.15 -3.39	45.91 -0.08 -2.42	53.84 -0.17 -3.67	45.23 0.02 -1.95	52.31 0.13 -3.52	51.33 0.07 -3.32	55.96 0.31 -4.01	89.62 0.56 -9.55	86.26 1.00 -9.52	95.84 1.09 -11.01	65.20 0.35 -5.63	56.33 0.08 -4.06	45.96 -0.12 0.02
SYRACUSE___POWER 24017	42.02 0.06 0.00	36.49 -0.02 0.00	35.48 -0.01 0.00	33.75 -0.07 0.00	32.02 -0.10 0.01	33.88 -0.06 0.07	38.07 0.02 0.00	41.29 0.07 0.00	39.10 0.13 -0.34	47.12 0.10 -1.87	52.44 0.14 -2.36	51.26 -0.03 -2.22	45.17 0.00 -1.59	52.70 -0.05 -2.40	44.52 0.09 -1.17	51.19 0.21 -2.31	50.27 0.15 -2.18	54.68 0.42 -2.63	86.51 0.74 -6.27	83.10 1.12 -6.24	92.14 1.19 -7.22	63.32 0.42 -3.69	54.98 0.12 -2.66	45.92 -0.06 0.12
TALLMAN__138KV_BK151 55660	44.62 2.65 0.00	38.73 2.22 0.00	37.57 2.08 0.00	35.71 1.90 0.00	33.96 1.84 -0.01	36.02 1.93 -0.06	40.63 2.58 0.00	44.31 3.08 0.00	41.83 3.19 0.00	48.66 3.52 0.00	54.34 4.40 0.00	54.23 4.98 -0.18	53.97 4.56 -5.83	68.33 5.03 -12.95	116.29 4.58 -68.45	141.04 5.36 -87.02	196.00 5.30 -142.76	144.01 5.87 -86.50	102.57 7.77 -15.30	82.83 7.09 0.00	91.01 7.27 0.00	63.93 4.72 0.00	56.14 3.95 0.00	49.65 3.20 -0.35
TEALLAVE_115KV_TB7 355573	41.78 -0.18 0.00	36.28 -0.23 0.00	35.27 -0.21 0.00	33.56 -0.26 0.00	31.83 -0.28 0.01	33.70 -0.25 0.06	37.82 -0.23 0.00	41.02 -0.21 0.00	38.78 -0.14 -0.28	46.50 -0.18 -1.54	51.72 -0.16 -1.94	50.59 -0.30 -1.82	44.61 -0.27 -1.30	51.97 -0.35 -1.97	44.03 -0.17 -0.94	50.48 -0.08 -1.89	49.60 -0.13 -1.78	53.87 0.08 -2.15	84.85 0.21 -5.13	81.43 0.57 -5.11	90.24 0.59 -5.91	62.24 0.00 -3.03	54.17 -0.21 -2.18	45.63 -0.35 0.11
TELGRAPH_34_KV_EAST 80808	29.64 -1.87 10.45	34.30 -2.18 0.03	33.62 -1.86 0.00	31.78 -2.03 0.00	29.96 -2.14 0.02	27.18 -1.96 4.88	24.26 -1.85 11.94	28.70 -1.18 11.34	29.96 -1.00 7.67	43.52 -1.21 0.41	36.72 -0.86 12.36	34.27 -1.56 13.24	29.01 -1.97 12.59	34.97 -2.07 13.30	29.01 -1.53 12.71	33.56 -2.06 13.05	31.96 -2.50 13.47	35.93 -2.10 13.61	57.90 -3.20 18.40	58.02 -2.41 15.30	69.27 -2.17 12.29	41.38 -2.53 15.30	35.84 -2.27 14.09	30.16 -2.05 13.88

TEMPLE___115KV_TB 2 55572	41.80 -0.16 0.00	36.31 -0.20 0.00	35.30 -0.19 0.00	33.58 -0.24 0.00	31.85 -0.26 0.01	33.73 -0.23 0.06	37.85 -0.20 0.00	41.05 -0.17 0.00	38.81 -0.10 -0.28	46.54 -0.14 -1.54	51.76 -0.12 -1.94	50.64 -0.25 -1.82	44.66 -0.21 -1.30	52.02 -0.29 -1.97	44.08 -0.11 -0.94	50.53 -0.02 -1.89	49.65 -0.07 -1.78	53.92 0.14 -2.15	84.93 0.30 -5.13	81.49 0.64 -5.11	90.31 0.67 -5.91	62.28 0.05 -3.02	54.18 -0.19 -2.18	45.66 -0.32 0.12
TIANA____69_KV_BK 1 55817	46.39 4.33 -0.10	39.69 3.18 0.00	38.36 2.88 0.00	36.39 2.58 0.00	34.86 2.74 -0.01	36.84 2.77 -0.06	41.73 3.68 0.00	45.38 4.16 0.00	42.18 3.55 0.00	48.70 3.56 0.00	55.27 4.88 -0.45	58.13 5.43 -3.63	83.25 5.06 -34.61	60.50 5.34 -4.81	72.70 5.06 -24.39	82.56 5.70 -28.20	94.29 5.92 -40.43	103.12 6.72 -44.76	86.43 9.39 2.46	88.41 8.91 -3.76	92.38 9.04 0.38	63.50 5.47 1.17	56.47 4.28 0.00	50.09 3.67 -0.33
TILDEN___115KV_TB1 80814	42.02 0.06 0.00	36.49 -0.02 0.00	35.48 -0.01 0.00	33.75 -0.07 0.00	32.02 -0.10 0.01	33.88 -0.06 0.07	38.07 0.02 0.00	41.29 0.07 0.00	39.10 0.13 -0.34	47.12 0.10 -1.87	52.44 0.14 -2.36	51.26 -0.03 -2.22	45.17 0.00 -1.59	52.70 -0.05 -2.40	44.52 0.09 -1.17	51.19 0.21 -2.31	50.27 0.15 -2.18	54.68 0.42 -2.63	86.51 0.74 -6.27	83.10 1.12 -6.24	92.14 1.19 -7.22	63.32 0.42 -3.69	54.98 0.12 -2.66	45.92 -0.06 0.12
TRIGEN___CC 323695	45.42 3.36 -0.10	39.22 2.71 0.00	37.98 2.49 0.00	36.07 2.25 0.00	34.39 2.27 -0.01	36.46 2.38 -0.06	41.20 3.15 0.00	44.88 3.66 0.00	42.17 3.53 0.00	49.07 3.93 0.00	55.67 5.29 -0.45	58.52 5.81 -3.63	83.36 5.17 -34.61	61.46 5.60 -5.51	89.41 5.22 -40.94	106.98 6.12 -52.20	147.82 6.11 -93.78	208.82 6.72 -150.46	168.87 9.13 -80.24	112.86 8.40 -28.72	108.12 8.64 -15.74	68.13 5.49 -3.43	56.65 4.45 0.00	50.20 3.77 -0.33
TRINITY__115KV__ 4 BK 55933	43.18 1.21 0.00	37.66 1.15 0.00	36.60 1.12 0.00	34.87 1.05 0.00	33.16 1.04 0.00	35.12 1.10 0.00	39.30 1.25 0.00	42.53 1.31 0.00	39.70 1.07 0.00	46.11 0.97 0.00	50.98 1.05 0.00	50.36 1.29 0.00	44.49 1.03 0.12	51.56 1.22 0.00	44.65 1.40 0.00	50.21 1.55 0.00	49.64 1.70 0.00	53.39 1.76 0.00	81.62 2.12 0.00	77.68 1.94 0.00	85.52 1.79 0.00	60.54 1.33 0.00	53.38 1.18 0.00	47.08 0.99 0.00
UNION___PROCESSING_DRP 323587	41.27 -0.70 -0.01	35.66 -0.85 0.00	34.74 -0.75 0.00	32.93 -0.89 0.00	31.12 -0.98 0.01	32.95 -0.92 0.16	37.26 -0.81 -0.02	40.86 -0.38 -0.01	38.43 -0.20 0.00	44.98 -0.16 0.00	49.91 -0.03 0.00	48.66 -0.40 0.00	42.81 -0.77 -0.01	49.61 -0.74 -0.01	41.87 -0.51 0.87	48.26 -0.41 -0.01	47.32 -0.62 0.00	51.49 -0.15 0.00	79.57 0.07 0.00	76.20 0.46 0.00	84.35 0.62 0.00	58.77 -0.44 0.00	51.55 -0.67 -0.02	44.44 -0.80 0.85
UPPER HUDSON___HYD 24058	43.92 1.96 0.00	38.06 1.55 0.00	37.05 1.56 0.00	35.32 1.51 0.00	33.53 1.41 0.00	35.77 1.76 0.00	40.08 2.04 0.00	43.26 2.03 0.00	40.29 1.66 0.00	46.90 1.76 0.00	52.12 2.18 0.00	51.50 2.43 0.00	45.32 1.85 0.10	52.56 2.22 0.00	45.41 2.16 0.00	51.35 2.68 0.00	50.72 2.78 0.00	54.71 3.08 0.00	84.37 4.87 0.00	80.42 4.68 0.00	88.86 5.13 0.00	62.82 3.61 0.00	55.18 2.98 0.00	48.61 2.51 0.00
UPPER RAQUET___HYD 24056	39.85 -2.11 0.00	34.46 -2.05 0.00	33.45 -2.03 0.00	32.01 -1.80 0.00	30.45 -1.67 0.00	22.57 -2.03 9.42	15.58 -2.64 19.83	28.49 -2.80 9.93	20.17 -2.73 15.74	42.18 -2.96 0.00	46.25 -3.69 0.00	35.00 -4.17 9.89	17.45 -3.68 22.45	21.51 -4.14 24.69	17.14 -3.74 22.37	20.04 -4.45 24.18	19.66 -4.22 24.05	21.81 -4.46 25.37	43.42 -6.03 30.06	69.23 -4.50 2.01	79.52 -4.21 0.00	49.64 -3.07 6.50	44.69 -2.71 4.79	38.78 -2.20 5.11
VALLEY44_115KV_TB2 355964	27.49 -1.90 12.57	34.45 -2.03 0.03	33.66 -1.82 0.00	31.90 -1.92 0.00	29.99 -2.10 0.03	26.27 -1.90 5.85	22.06 -1.61 14.38	26.57 -1.02 13.64	28.67 -0.81 9.16	43.69 -0.97 0.48	34.61 -0.61 14.72	32.53 -0.77 15.76	27.56 -1.05 14.97	33.28 -1.13 15.94	27.31 -0.51 15.43	32.41 -0.64 15.62	29.69 -1.35 16.90	33.04 -1.21 17.38	54.25 -1.76 23.49	54.96 -1.21 19.58	67.03 -0.97 15.73	37.68 -1.94 19.59	31.95 -2.05 18.20	26.25 -2.02 17.82
VALLEY___115KV_TB 1-4 80826	43.74 1.78 0.00	38.08 1.57 0.00	36.97 1.49 0.00	35.27 1.46 0.00	33.68 1.57 0.00	37.45 1.81 -1.63	43.63 2.16 -3.42	44.88 1.94 -1.71	42.81 1.46 -2.71	46.82 1.68 0.00	51.35 1.42 0.00	52.55 1.77 -1.71	48.21 0.76 -3.87	56.05 1.45 -4.26	48.92 1.80 -3.86	54.42 1.59 -4.17	53.61 1.52 -4.15	58.07 2.06 -4.38	88.59 3.83 -5.25	80.66 4.51 -0.41	88.83 5.09 0.00	63.88 3.35 -1.33	55.74 2.56 -0.98	49.19 2.05 -1.05
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	43.55 1.58 0.00	38.03 1.52 0.00	36.94 1.45 0.00	35.16 1.34 0.00	33.45 1.31 -0.02	35.65 1.44 -0.18	39.75 1.70 0.00	43.11 1.89 0.00	40.65 1.92 -0.09	47.72 2.07 -0.51	53.06 2.47 -0.65	52.23 2.53 -0.63	46.59 2.35 -0.67	53.62 2.59 -0.68	47.16 2.43 -1.47	52.10 2.78 -0.65	51.19 2.64 -0.62	55.46 3.09 -0.74	85.72 4.45 -1.77	81.87 4.36 -1.77	90.27 4.49 -2.04	63.07 2.81 -1.05	55.25 2.30 -0.75	48.96 1.80 -1.06
VISCHER___FERRY HYD 24020	43.69 1.73 0.00	38.03 1.52 0.00	36.97 1.49 0.00	35.23 1.42 0.00	33.49 1.37 0.00	35.52 1.50 0.00	39.77 1.72 0.00	43.02 1.80 0.00	40.14 1.51 0.00	46.60 1.46 0.00	51.54 1.60 0.00	50.92 1.85 0.00	44.95 1.49 0.12	52.10 1.76 0.00	45.16 1.91 0.00	50.85 2.19 0.00	50.29 2.35 0.00	54.16 2.52 0.00	82.96 3.46 0.00	79.01 3.27 0.00	87.09 3.36 0.00	61.68 2.47 0.00	54.37 2.17 0.00	47.88 1.79 0.00
V_A_10_SYNC_DSASP 323832	30.26 -2.45 9.26	34.08 -2.41 0.02	33.38 -2.10 0.00	31.61 -2.21 0.00	29.78 -2.32 0.02	27.43 -2.31 4.28	25.10 -2.33 10.61	29.35 -1.81 10.07	30.40 -1.51 6.73	43.28 -1.51 0.36	37.77 -1.37 10.80	35.59 -1.90 11.57	30.24 -2.25 11.09	36.15 -2.44 11.75	29.87 -1.99 11.40	34.79 -2.36 11.50	33.44 -2.70 11.80	37.33 -2.40 11.91	59.73 -3.67 16.10	59.16 -3.18 13.39	69.81 -3.16 10.76	42.52 -3.28 13.41	36.65 -3.02 12.53	31.08 -2.73 12.29
V_CMM_10_SYNC_DSASP 323787	40.97 -1.00 0.00	35.61 -0.90 0.00	34.54 -0.94 0.00	33.02 -0.80 0.00	31.37 -0.75 0.00	30.81 -0.84 2.36	32.02 -1.06 4.97	37.67 -1.07 2.49	33.62 -1.08 3.94	44.13 -1.02 0.00	48.53 -1.41 0.00	45.08 -1.52 2.48	36.69 -1.26 5.62	42.77 -1.39 6.19	36.27 -1.38 5.60	40.82 -1.78 6.06	40.24 -1.67 6.03	43.48 -1.80 6.36	69.48 -2.35 7.66	72.60 -2.50 0.64	81.39 -2.34 0.00	55.59 -1.56 2.07	49.30 -1.37 1.52	43.38 -1.09 1.62
V_CMP_10_SYNC_DSASP 323788	41.20 -0.77 0.00	35.66 -0.85 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.52 -0.60 0.00	31.36 -0.58 2.08	32.79 -0.88 4.37	37.88 -1.16 2.19	34.49 -0.56 3.58	44.80 -0.35 0.00	49.04 -0.89 0.00	46.06 -0.75 2.26	37.53 -0.93 5.12	43.88 -0.84 5.63	37.32 -0.83 5.10	41.61 -1.54 5.51	40.72 -1.73 5.48	43.71 -2.15 5.78	69.56 -3.03 6.92	72.10 -3.11 0.53	80.34 -3.40 0.00	55.42 -2.08 1.71	49.99 -0.95 1.26	43.99 -0.76 1.35

V_D_10_SYNC_DSASP 323841	41.00 -0.96 0.00	35.64 -0.86 0.00	34.61 -0.87 0.00	33.10 -0.72 0.00	31.46 -0.66 0.00	30.11 -0.79 3.12	30.45 -1.02 6.58	36.92 -1.01 3.29	32.39 -1.02 5.22	44.16 -0.98 0.00	48.57 -1.37 0.00	44.21 -1.57 3.28	34.82 -1.31 7.45	40.74 -1.41 8.19	34.45 -1.38 7.42	38.84 -1.80 8.02	38.22 -1.73 7.98	41.38 -1.84 8.42	66.98 -2.36 10.16	72.48 -2.41 0.86	81.52 -2.22 0.00	54.92 -1.52 2.77	48.86 -1.29 2.04	42.86 -1.06 2.18
V_E_10_SYNC_DSASP 323830	45.65 1.44 -2.25	37.71 1.19 -0.01	36.71 1.23 0.00	35.31 1.49 0.00	33.94 1.82 -0.01	37.24 2.12 -1.10	43.00 2.36 -2.59	46.45 2.51 -2.71	43.39 2.75 -2.00	49.02 2.77 -1.11	56.72 2.59 -4.20	55.48 2.32 -4.09	48.92 1.54 -3.81	56.57 2.01 -4.22	48.69 1.47 -3.97	54.14 1.37 -4.11	53.09 1.04 -4.11	58.75 2.72 -4.39	92.82 5.80 -7.52	89.80 7.18 -6.89	98.49 7.94 -6.82	69.19 4.58 -5.40	59.94 3.15 -4.59	51.79 2.24 -3.46
V_F_30_NSYNC___DSASP 323816	44.16 2.19 0.00	38.37 1.85 0.00	37.29 1.81 0.00	35.53 1.72 0.00	33.75 1.63 0.00	35.87 1.85 0.00	40.18 2.13 0.00	43.41 2.19 0.00	40.48 1.85 0.00	47.11 1.97 0.00	52.22 2.28 0.00	51.55 2.48 0.00	45.45 1.98 0.10	52.74 2.39 0.00	45.67 2.41 0.00	51.43 2.76 0.00	50.81 2.87 0.00	54.81 3.17 0.00	84.31 4.81 0.00	80.41 4.68 0.00	88.71 4.98 0.00	62.69 3.48 0.00	55.16 2.96 0.00	48.53 2.44 0.00
V_F_30_SYNC_DSASP 323786	43.38 1.42 0.00	37.83 1.32 0.00	36.77 1.28 0.00	35.01 1.20 0.00	33.29 1.17 0.00	35.27 1.25 0.00	39.47 1.42 0.00	42.72 1.49 0.00	39.89 1.26 0.00	46.37 1.23 0.00	51.30 1.37 0.00	50.66 1.59 0.00	44.75 1.29 0.12	51.91 1.56 0.00	44.97 1.71 0.00	50.54 1.87 0.00	49.98 2.04 0.00	53.76 2.13 0.00	82.22 2.71 0.00	78.24 2.50 0.00	86.12 2.38 0.00	60.92 1.71 0.00	53.67 1.48 0.00	47.33 1.24 0.00
V_XM_10_SYNC_DSASP 323789	41.20 -0.77 0.00	35.66 -0.85 0.00	34.53 -0.95 0.00	33.15 -0.67 0.00	31.52 -0.60 0.00	31.36 -0.58 2.08	32.79 -0.88 4.37	37.88 -1.16 2.19	34.49 -0.56 3.58	44.80 -0.35 0.00	49.04 -0.89 0.00	46.06 -0.75 2.26	37.53 -0.93 5.12	43.88 -0.84 5.63	37.32 -0.83 5.10	41.61 -1.54 5.51	40.72 -1.73 5.48	43.71 -2.15 5.78	69.56 -3.03 6.92	72.10 -3.11 0.53	80.34 -3.40 0.00	55.42 -2.08 1.71	49.99 -0.95 1.26	43.99 -0.76 1.35
W.BABYLN_69_KV_BK1 56697	46.35 4.29 -0.10	39.96 3.45 0.00	38.64 3.16 0.00	36.66 2.84 0.00	34.99 2.87 -0.01	37.09 3.01 -0.06	41.98 3.93 0.00	45.73 4.51 0.00	42.79 4.16 0.00	49.67 4.53 0.00	56.36 5.98 -0.45	59.19 6.48 -3.63	84.08 5.90 -34.61	61.94 6.28 -5.31	80.34 5.84 -31.24	94.35 6.70 -38.99	119.88 6.77 -65.17	143.03 7.62 -83.77	117.91 10.02 -27.77	95.89 10.02 -10.13	97.83 10.37 -3.73	65.79 6.58 0.00	57.54 5.34 0.00	50.96 4.53 -0.33
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	44.76 2.80 0.00	38.86 2.35 0.00	37.70 2.21 0.00	35.84 2.02 0.00	34.08 1.95 -0.01	36.14 2.06 -0.06	40.77 2.72 0.00	44.47 3.25 0.00	41.97 3.34 0.00	48.83 3.69 0.00	54.54 4.61 0.00	54.39 5.19 -0.14	53.52 4.74 -5.19	65.55 5.27 -9.94	100.68 4.79 -52.63	121.07 5.59 -66.81	163.07 5.54 -109.60	124.15 6.11 -66.41	99.38 8.13 -11.75	83.18 7.44 0.00	91.39 7.65 0.00	64.20 4.99 0.00	56.36 4.16 0.00	49.81 3.37 -0.34
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	44.97 3.01 0.00	38.96 2.45 0.00	37.80 2.32 0.00	35.93 2.11 0.00	34.21 2.09 -0.01	36.25 2.17 -0.06	41.01 2.96 0.00	44.82 3.60 0.00	42.26 3.63 0.00	49.30 4.16 0.00	55.18 5.24 0.00	55.03 5.88 -0.08	54.07 5.33 -5.16	61.79 5.91 -5.53	77.86 5.18 -29.42	91.85 6.03 -37.16	114.75 5.84 -60.97	95.06 6.49 -36.94	105.84 8.58 -17.76	91.28 7.76 -7.78	96.55 8.00 -4.81	64.60 5.39 0.00	56.79 4.60 0.00	50.18 3.75 -0.33
W50THST__13_KV_LOAD 356117	45.22 3.26 0.00	39.16 2.65 0.00	37.98 2.50 0.00	36.10 2.29 0.00	34.39 2.26 -0.01	36.45 2.37 -0.06	41.26 3.21 0.00	45.15 3.93 0.00	42.61 3.98 0.00	49.74 4.60 0.00	55.69 5.75 0.00	55.55 6.40 -0.08	54.51 5.77 -5.16	62.26 6.39 -5.53	78.26 5.59 -29.42	92.30 6.48 -37.16	115.20 6.30 -60.97	95.53 6.95 -36.94	106.49 9.23 -17.76	91.86 8.34 -7.78	97.16 8.62 -4.81	64.98 5.78 0.00	57.14 4.95 0.00	50.51 4.08 -0.33
WADING RIVER_IC_1 23522	46.37 4.31 -0.10	39.60 3.09 0.00	38.28 2.79 0.00	36.32 2.51 0.00	34.83 2.70 -0.01	36.76 2.68 -0.06	41.60 3.56 0.00	45.24 4.02 0.00	42.00 3.37 0.00	48.44 3.30 0.00	54.97 4.58 -0.45	57.84 5.14 -3.63	83.01 4.83 -34.61	60.20 5.05 -4.80	72.40 4.81 -24.34	82.15 5.37 -28.12	93.77 5.59 -40.24	102.43 6.29 -44.51	85.64 8.79 2.65	87.80 8.33 -3.73	91.73 8.40 0.40	63.07 5.05 1.18	56.13 3.93 0.00	49.83 3.41 -0.33
WADING RIVER_IC_2 23547	46.37 4.31 -0.10	39.60 3.09 0.00	38.28 2.79 0.00	36.32 2.51 0.00	34.83 2.70 -0.01	36.76 2.68 -0.06	41.60 3.56 0.00	45.24 4.02 0.00	42.00 3.37 0.00	48.44 3.30 0.00	54.97 4.58 -0.45	57.84 5.14 -3.63	83.01 4.83 -34.61	60.20 5.05 -4.80	72.40 4.81 -24.34	82.15 5.37 -28.12	93.77 5.59 -40.24	102.43 6.29 -44.51	85.64 8.79 2.65	87.80 8.33 -3.73	91.73 8.40 0.40	63.07 5.05 1.18	56.13 3.93 0.00	49.83 3.41 -0.33
WADING RIVER_IC_3 23601	46.37 4.31 -0.10	39.60 3.09 0.00	38.28 2.79 0.00	36.32 2.51 0.00	34.83 2.70 -0.01	36.76 2.68 -0.06	41.60 3.56 0.00	45.24 4.02 0.00	42.00 3.37 0.00	48.44 3.30 0.00	54.97 4.58 -0.45	57.84 5.14 -3.63	83.01 4.83 -34.61	60.20 5.05 -4.80	72.40 4.81 -24.34	82.15 5.37 -28.12	93.77 5.59 -40.24	102.43 6.29 -44.51	85.64 8.79 2.65	87.80 8.33 -3.73	91.73 8.40 0.40	63.07 5.05 1.18	56.13 3.93 0.00	49.83 3.41 -0.33
WALDENNY_12_KV_BK2 80841	23.50 -2.20 16.27	34.18 -2.29 0.04	33.59 -1.89 0.00	31.73 -2.09 0.00	29.80 -2.30 0.02	24.31 -2.24 7.47	17.30 -2.15 18.61	22.10 -1.46 17.65	25.63 -1.13 11.87	43.32 -1.19 0.63	29.99 -0.85 19.10	27.17 -1.43 20.47	22.20 -1.84 19.54	27.76 -1.92 20.67	22.49 -1.41 19.36	26.67 -1.75 20.25	24.97 -2.15 20.82	28.80 -1.83 21.01	48.16 -2.94 28.40	49.73 -2.38 23.63	62.39 -2.36 18.98	32.80 -2.77 23.65	27.69 -2.58 21.93	22.58 -2.45 21.07
WALDEN___HYDRO 24148	44.77 2.81 0.00	38.88 2.37 0.00	37.71 2.23 0.00	35.85 2.04 0.00	34.09 1.97 -0.01	36.17 2.08 -0.06	40.75 2.70 0.00	44.41 3.19 0.00	41.84 3.20 0.00	48.62 3.47 0.00	54.26 4.32 0.00	54.03 4.88 -0.09	50.38 4.43 -2.38	61.53 4.89 -6.30	81.06 4.50 -33.30	96.12 5.35 -42.10	122.40 5.40 -69.07	99.50 6.01 -41.85	94.93 8.02 -7.40	83.17 7.43 0.00	91.46 7.72 0.00	64.28 5.07 0.00	56.41 4.21 0.00	49.82 3.38 -0.35
WARRENSBURG____ 23737	43.92 1.96 0.00	38.06 1.55 0.00	37.04 1.56 0.00	35.32 1.50 0.00	33.53 1.41 0.00	35.78 1.76 0.00	40.09 2.04 0.00	43.26 2.03 0.00	40.29 1.66 0.00	46.90 1.76 0.00	52.12 2.18 0.00	51.50 2.43 0.00	45.32 1.85 0.10	52.56 2.21 0.00	45.41 2.15 0.00	51.35 2.69 0.00	50.72 2.78 0.00	54.71 3.08 0.00	84.37 4.87 0.00	80.42 4.68 0.00	88.87 5.14 0.00	62.81 3.61 0.00	55.18 2.98 0.00	48.61 2.52 0.00

WATERSIDE___6 8 9 23538	44.86 2.90 0.00	38.88 2.37 0.00	37.74 2.26 0.00	35.88 2.06 0.00	34.17 2.04 -0.01	36.16 2.08 -0.06	40.91 2.87 0.00	44.69 3.47 0.00	42.14 3.51 0.00	49.12 3.98 0.00	54.96 5.02 0.00	54.81 5.67 -0.08	53.97 5.22 -5.17	61.50 5.63 -5.52	77.48 4.85 -29.38	91.40 5.63 -37.11	114.24 5.43 -60.87	94.53 6.01 -36.88	91.93 8.03 -4.39	81.99 7.29 1.04	90.54 7.45 0.65	64.21 5.00 0.00	56.69 4.39 -0.10	50.05 3.62 -0.33
WATKINRD_115KV_LN8_ILLION 55919	44.79 2.82 0.00	39.05 2.54 0.00	37.91 2.42 0.00	36.15 2.34 0.00	34.54 2.42 0.00	38.36 2.71 -1.63	44.68 3.21 -3.42	45.77 2.83 -1.71	43.36 2.02 -2.71	47.44 2.30 0.00	51.79 1.85 0.00	53.24 2.47 -1.71	48.54 1.09 -3.87	56.70 2.09 -4.26	49.76 2.65 -3.86	55.28 2.45 -4.17	54.53 2.44 -4.15	59.10 3.09 -4.38	90.37 5.62 -5.25	82.66 6.51 -0.41	91.11 7.37 0.00	65.56 5.02 -1.33	57.21 4.03 -0.98	50.38 3.24 -1.05
WDELAWARE___HYD 323627	44.65 2.69 0.00	38.79 2.28 0.00	37.62 2.14 0.00	35.76 1.95 0.00	34.02 1.90 -0.01	36.12 2.02 -0.08	40.63 2.58 0.00	44.29 3.06 0.00	41.73 3.09 0.00	48.44 3.29 0.00	53.96 4.03 0.00	53.55 4.48 0.00	48.04 3.91 -0.55	53.53 3.18 0.00	46.82 3.14 -0.43	52.70 4.04 0.00	51.94 4.00 0.00	55.44 4.39 0.59	85.41 5.91 0.00	81.29 5.56 0.00	89.57 5.83 0.00	64.35 5.14 0.00	56.42 4.22 0.00	49.84 3.34 -0.41
WEST BABYLON___IC 23714	46.35 4.29 -0.10	39.96 3.45 0.00	38.64 3.16 0.00	36.66 2.84 0.00	34.99 2.87 -0.01	37.09 3.01 -0.06	41.98 3.93 0.00	45.73 4.51 0.00	42.79 4.16 0.00	49.67 4.53 0.00	56.36 5.98 -0.45	59.19 6.48 -3.63	84.08 5.90 -34.61	61.94 6.28 -5.31	80.34 5.84 -31.24	94.35 6.70 -38.99	119.88 6.77 -65.17	143.03 7.62 -83.77	117.91 10.63 -27.77	95.89 10.02 -10.13	97.83 10.37 -3.73	65.79 6.58 0.00	57.54 5.34 0.00	50.96 4.53 -0.33
WEST CANADA___HYD 24049	42.23 0.27 0.00	36.77 0.26 0.00	35.73 0.25 0.00	34.05 0.24 0.00	32.34 0.23 0.00	35.89 0.24 -1.63	41.77 0.30 -3.42	43.23 0.30 -1.71	41.63 0.28 -2.71	45.42 0.27 0.00	50.27 0.33 0.00	51.12 0.34 -1.71	47.71 0.26 -3.87	54.92 0.32 -4.26	47.45 0.34 -3.86	53.22 0.38 -4.17	52.45 0.36 -4.15	56.43 0.42 -4.38	85.30 0.55 -5.25	76.78 0.63 -0.41	84.36 0.62 0.00	60.92 0.39 -1.33	53.52 0.34 -0.98	47.39 0.25 -1.05
WESTERN_NY_WIND 24143	32.13 -0.82 9.02	35.25 -1.24 0.02	34.47 -1.01 0.00	32.60 -1.21 0.00	30.75 -1.35 0.02	28.65 -1.14 4.23	26.86 -0.90 10.29	31.26 -0.18 9.78	31.80 -0.22 6.61	44.54 -0.25 0.35	39.09 -0.18 10.66	36.74 -0.91 11.42	31.28 -1.43 10.86	37.40 -1.47 11.48	31.26 -0.92 11.08	36.26 -1.15 11.25	34.58 -1.75 11.62	38.73 -1.17 11.74	62.33 -1.31 15.86	62.48 -0.06 13.19	73.76 0.62 10.59	45.40 -0.62 13.19	39.26 -0.79 12.15	33.13 -0.89 12.08
WESTOVER___LESR 323668	42.19 0.23 0.00	36.71 0.19 0.00	35.74 0.25 0.00	33.98 0.17 0.00	32.24 0.07 -0.05	34.77 0.17 -0.58	38.45 0.41 0.00	41.81 0.59 0.00	39.54 0.71 -0.19	46.94 0.73 -1.07	52.13 0.84 -1.35	51.22 0.86 -1.30	45.44 0.77 -1.09	52.70 0.95 -1.41	48.40 0.99 -4.16	51.38 1.37 -1.35	50.21 1.00 -1.27	54.43 1.26 -1.54	85.04 1.88 -3.66	81.62 2.23 -3.65	90.27 2.31 -4.22	62.37 1.00 -2.16	54.33 0.58 -1.56	49.64 0.28 -3.27
WETHRSFD_WT_PWR 323626	-4.77 -2.54 44.19	34.17 -2.23 0.11	33.80 -1.68 0.00	31.99 -1.83 0.00	29.90 -2.19 0.03	11.70 -2.45 19.86	-14.91 -2.36 50.60	-8.58 -1.81 47.99	5.16 -1.37 32.11	42.04 -1.83 1.28	-6.02 -2.04 53.91	-8.22 -2.33 54.96	-11.57 -2.56 52.59	-8.17 -2.92 55.59	-9.31 -2.27 50.30	-7.92 -2.10 54.47	-10.76 -2.55 56.15	-7.43 -2.46 56.61	-0.07 -3.70 75.87	9.91 -2.97 62.85	30.68 -3.09 49.96	-7.56 -3.26 63.51	-9.60 -2.55 59.25	-12.20 -2.96 55.34
WHAVSTOR_138KV_BK127 55557	44.52 2.56 0.00	38.67 2.16 0.00	37.53 2.05 0.00	35.68 1.86 0.00	33.94 1.81 -0.01	35.98 1.90 -0.06	40.57 2.52 0.00	44.22 3.00 0.00	41.73 3.10 0.00	48.52 3.37 0.00	54.17 4.23 0.00	54.01 4.81 -0.13	53.06 4.39 -5.09	64.59 4.83 -9.42	97.55 4.39 -49.90	117.12 5.14 -63.32	156.87 5.06 -103.87	120.21 5.63 -62.94	98.06 7.42 -11.13	82.51 6.77 0.00	90.67 6.94 0.00	63.73 4.52 0.00	55.99 3.79 0.00	49.52 3.08 -0.34
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	44.52 2.56 0.00	38.67 2.16 0.00	37.53 2.05 0.00	35.68 1.86 0.00	33.94 1.81 -0.01	35.98 1.90 -0.06	40.57 2.52 0.00	44.22 3.00 0.00	41.73 3.10 0.00	48.52 3.37 0.00	54.17 4.23 0.00	54.01 4.81 -0.13	53.06 4.39 -5.09	64.59 4.83 -9.42	97.55 4.39 -49.90	117.12 5.14 -63.32	156.87 5.06 -103.87	120.21 5.63 -62.94	98.06 7.42 -11.13	82.51 6.77 0.00	90.67 6.94 0.00	63.73 4.52 0.00	55.99 3.79 0.00	49.52 3.08 -0.34
WHITEHAL_115KV_TB1 80871	45.10 3.14 0.00	38.71 2.20 0.00	37.73 2.25 0.00	36.02 2.21 0.00	34.05 1.93 0.00	36.91 2.89 0.00	41.34 3.29 0.00	44.32 3.10 0.00	41.13 2.50 0.00	47.63 2.48 0.00	52.89 2.95 0.00	52.33 3.26 0.00	46.02 2.55 0.10	53.32 2.97 0.00	46.12 2.87 0.00	52.88 4.22 0.00	52.34 4.40 0.00	56.43 4.79 0.00	87.04 7.54 0.00	82.33 6.59 0.00	91.38 7.64 0.00	64.61 5.40 0.00	57.21 5.02 0.00	50.32 4.23 0.00
WHITEPLN_13_KV_LOAD 356215	45.20 3.24 0.00	39.19 2.68 0.00	38.01 2.53 0.00	36.14 2.33 0.00	34.38 2.26 -0.01	36.47 2.39 -0.06	41.20 3.15 0.00	44.99 3.77 0.00	42.41 3.78 0.00	49.41 4.26 0.00	55.24 5.30 0.00	55.04 5.89 -0.08	53.95 5.39 -4.98	62.12 6.03 -5.74	79.19 5.41 -30.52	93.59 6.36 -38.57	117.48 6.26 -63.28	96.91 6.93 -38.34	95.57 9.28 -6.78	84.23 8.49 0.00	92.49 8.75 0.00	64.99 5.78 0.00	57.06 4.86 0.00	50.39 3.96 -0.33
WM_FLOYD_69_KV_BK2 356380	46.44 4.38 -0.10	39.82 3.31 0.00	38.50 3.02 0.00	36.52 2.71 0.00	34.95 2.83 -0.01	36.96 2.88 -0.06	41.85 3.80 0.00	45.51 4.28 0.00	42.32 3.69 0.00	48.89 3.75 0.00	55.49 5.11 -0.45	58.33 5.62 -3.63	83.42 5.24 -34.61	60.70 5.53 -4.83	73.08 5.19 -24.64	83.13 5.85 -28.62	95.37 6.02 -41.41	104.44 6.80 -46.00	87.53 9.53 1.51	88.65 9.05 -3.85	92.61 9.20 0.32	63.70 5.65 1.16	56.69 4.50 0.00	50.30 3.88 -0.33
WOODARD__115KV_TB2 355635	41.70 -0.26 0.00	36.23 -0.28 0.00	35.21 -0.27 0.00	33.50 -0.31 0.00	31.79 -0.32 0.01	33.65 -0.31 0.07	37.75 -0.29 0.00	40.91 -0.31 0.00	38.78 -0.23 -0.38	46.89 -0.31 -2.06	52.24 -0.31 -2.61	51.08 -0.43 -2.44	44.94 -0.38 -1.74	52.50 -0.48 -2.64	44.33 -0.28 -1.35	50.98 -0.22 -2.53	50.08 -0.25 -2.39	54.45 -0.07 -2.88	86.35 -0.02 -6.88	82.93 0.34 -6.85	92.01 0.35 -7.92	63.11 -0.15 -4.05	54.80 -0.32 -2.92	45.59 -0.44 0.06
YORK___WARBASSE 23770	45.05 3.09 0.00	39.05 2.54 0.00	37.90 2.42 0.00	36.02 2.20 0.00	34.28 2.16 -0.01	36.27 2.19 -0.06	41.06 3.01 0.00	44.88 3.65 0.00	42.34 3.71 0.00	49.35 4.21 0.00	55.20 5.26 0.00	55.08 5.93 -0.08	54.20 5.45 -5.17	61.77 5.90 -5.52	77.69 5.06 -29.38	91.68 5.91 -37.11	114.51 5.70 -60.87	94.81 6.29 -36.88	103.21 8.54 -15.17	92.59 7.82 -9.03	97.29 7.97 -5.58	64.56 5.35 0.00	57.64 4.71 -0.73	50.24 3.81 -0.33