

Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion										07/17/2024	
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00								
59TH STREET_GT_1	24138	42.58	39.31	36.75	34.47	33.77	36.65	41.76	42.58	45.81	49.95	53.86	58.90	69.38	81.57	118.03	140.01	149.75	170.43	131.91	93.21	71.53	69.82	58.65	47.29								
		3.66	3.11	3.00	2.79	2.67	2.93	3.26	3.63	4.19	4.87	5.38	6.07	7.15	8.64	9.13	11.90	11.74	11.85	10.44	6.92	5.41	4.44	3.80	3.23								
		-2.28	0.00	0.00	0.00	0.00	0.00	-2.26	-2.63	-2.09	0.00	0.00	0.00	-1.09	-4.39	-41.21	-39.31	-49.07	-65.31	-37.93	-29.54	-15.54	-22.67	-17.63	-7.74								
74TH STREET_GT_1	24260	42.70	39.52	36.82	34.51	33.83	36.68	41.76	42.58	45.81	49.85	53.86	58.80	69.26	81.29	117.90	139.74	149.40	170.15	131.66	93.04	71.57	69.78	58.49	47.22								
		3.77	3.33	3.07	2.82	2.74	2.97	3.26	3.63	4.19	4.78	5.38	5.97	7.03	8.36	9.00	11.63	11.38	11.57	10.19	6.75	5.46	4.40	3.80	3.23								
		-2.28	0.00	0.00	0.00	0.00	0.00	-2.26	-2.63	-2.09	0.00	0.00	0.00	-1.09	-4.39	-41.21	-39.31	-49.07	-65.31	-37.93	-29.54	-15.54	-22.67	-17.47	-7.67								
74TH STREET_GT_2	24261	42.70	39.52	36.82	34.51	33.83	36.68	41.76	42.58	45.81	49.85	53.86	58.80	69.26	81.29	117.90	139.74	149.40	170.15	131.66	93.04	71.57	69.78	58.49	47.22								
		3.77	3.33	3.07	2.82	2.74	2.97	3.26	3.63	4.19	4.78	5.38	5.97	7.03	8.36	9.00	11.63	11.38	11.57	10.19	6.75	5.46	4.40	3.80	3.23								
		-2.28	0.00	0.00	0.00	0.00	0.00	-2.26	-2.63	-2.09	0.00	0.00	0.00	-1.09	-4.39	-41.21	-39.31	-49.07	-65.31	-37.93	-29.54	-15.54	-22.67	-17.47	-7.67								
ADK HUDSON___FALLS	24011	42.49	38.91	36.15	33.90	33.24	36.14	42.09	42.71	52.39	49.04	52.31	57.05	70.56	86.57	143.95	168.18	182.47	209.76	209.08	162.85	123.56	79.91	63.19	49.09								
		2.82	2.71	2.40	2.22	2.15	2.43	2.86	2.91	3.44	3.97	3.83	4.23	5.01	4.80	4.53	6.04	6.14	7.37	7.10	4.71	4.70	3.67	2.83	2.61								
		-3.03	0.00	0.00	0.00	0.00	0.00	-2.99	-3.49	-9.41	0.00	0.00	0.00	-4.41	-13.23	-71.73	-73.35	-87.39	-109.12	-118.44	-101.40	-68.28	-33.53	-23.14	-10.16								
ADK RESOURCE___RCVRY	23798	42.67	39.09	36.31	34.06	33.39	36.35	42.31	42.96	52.75	49.36	52.65	57.42	70.86	86.61	143.61	167.85	182.10	209.52	209.10	163.01	123.85	80.09	63.49	49.33								
		3.00	2.90	2.56	2.38	2.30	2.63	3.08	3.16	3.76	4.28	4.17	4.59	5.44	5.14	4.88	6.57	6.67	8.02	7.77	5.28	5.11	3.97	3.09	2.83								
		-3.03	0.00	0.00	0.00	0.00	0.00	-2.99	-3.49	-9.45	0.00	0.00	0.00	-4.28	-12.92	-71.05	-72.48	-86.49	-108.23	-117.78	-100.99	-68.17	-33.40	-23.18	-10.18								
ADK S GLENS___FALLS	24028	42.49	38.91	36.15	33.90	33.24	36.14	42.09	42.71	52.39	49.04	52.31	57.05	70.56	86.57	143.95	168.18	182.47	209.76	209.08	162.85	123.56	79.91	63.19	49.09								
		2.82	2.71	2.40	2.22	2.15	2.43	2.86	2.91	3.44	3.97	3.83	4.23	5.01	4.80	4.53	6.04	6.14	7.37	7.10	4.71	4.70	3.67	2.83	2.61								
		-3.03	0.00	0.00	0.00	0.00	0.00	-2.99	-3.49	-9.41	0.00	0.00	0.00	-4.41	-13.23	-71.73	-73.35	-87.39	-109.12	-118.44	-101.40	-68.28	-33.53	-23.14	-10.16								
ADK_NYS___DAM	23527	42.22	38.62	36.01	33.81	33.14	35.98	41.58	42.21	49.71	48.46	51.98	56.63	72.49	93.16	157.18	185.25	199.99	225.77	211.59	160.99	116.62	81.33	62.25	48.60								
		2.67	2.43	2.26	2.12	2.05	2.26	2.47	2.54	2.93	3.38	3.49	3.81	4.46	5.28	5.21	6.93	7.02	7.37	6.60	4.48	3.89	3.24	2.75	2.50								
		-2.91	0.00	0.00	0.00	0.00	0.00	-2.88	-3.35	-7.25	0.00	0.00	0.00	-6.89	-19.34	-84.28	-89.52	-104.02	-125.13	-121.44	-99.76	-62.15	-35.37	-22.28	-9.78								
AIR_PRODUCTS___DRP	24190	40.84	37.35	34.80	32.64	31.99	34.73	40.26	40.85	46.62	46.61	50.13	54.41	52.08	45.81	51.93	54.27	62.39	86.66	63.91	49.98	57.06	58.45	60.70	47.19								
		1.28	1.16	1.05	0.95	0.90	1.01	1.12	1.16	1.30	1.53	1.65	1.58	1.77	2.19	2.17	2.84	2.94	3.08	2.67	1.82	1.52	1.20	1.12	1.05								
		-2.92	0.00	0.00	0.00	0.00	0.00	-2.89	-3.37	-5.78	0.00	0.00	0.00	10.84	24.93	17.93	37.37	29.49	9.69	22.30	8.58	-4.97	-14.54	-22.36	-9.82								
AKWESSNE_115KV_BK	355683	35.32	35.29	32.94	30.89	30.32	32.94	35.37	35.33	38.23	43.41	47.41	51.86	59.77	67.21	67.35	89.25	89.39	94.03	80.90	56.26	49.71	41.35	36.10	35.30								
		-1.32	-0.90	-0.81	-0.79	-0.78	-0.78	-0.87	-0.98	-1.30	-1.67	-1.94	-2.17	-2.57	-3.08	-3.18	-4.08	-4.09	-4.20	-3.84	-2.27	-2.02	-1.54	-1.12	-1.02								
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.87	-1.20	-1.20	-1.75	-2.85	-4.53	-4.54	-4.95	-1.20	-1.79	-1.16	-0.17	0.00	0.00								
ALBANY_1_SOLAR	323833	41.51	38.11	35.54	33.33	32.71	35.47	40.95	41.39	46.15	47.06	50.47	54.57	52.45	47.66	56.63	60.45	68.84	93.25	64.82	48.97	54.13	59.23	60.86	47.63								
		2.01	1.92	1.79	1.65	1.62	1.75	1.88	1.78	1.86	1.98	1.99	1.74	0.98	1.16	1.08	1.51	1.69	2.33	2.26	1.65	1.52	1.19	1.75	1.71								
		-2.86	0.00	0.00	0.00	0.00	0.00	-2.83	-3.30	-4.76	0.00	0.00	0.00	9.66	22.05	12.13	29.85	21.79	2.35	20.98	9.43	-2.04	-15.32	-21.89	-9.61								
ALBANY_2_SOLAR	323834	41.51	38.07	35.50	33.33	32.68	35.43	40.92	41.35	46.15	47.06	50.47	54.52	52.47	47.70	56.66	60.48	68.96	93.38	64.93	48.99	54.17	59.25	60.87	47.63								
		2.01	1.88	1.75	1.65	1.58	1.72	1.85	1.74	1.86	1.98	1.99	1.69	0.98	1.16	1.02	1.42	1.69	2.33	2.26	1.59	1.52	1.19	1.75	1.71								
		-2.86	0.00	0.00	0.00	0.00	0.00	-2.83	-3.30	-4.75	0.00	0.00	0.00	9.65	22.01	12.04	29.74	21.67	2.23	20.87	9.35	-2.08	-15.35	-21.90	-9.61								
ALBANY___1	23571	40.84	37.35	34.80	32.64	31.99	34.73	40.26	40.85	46.62	46.61	50.13	54.41	52.08	45.81	51.93	54.27	62.39	86.66	63.91	49.98	57.06	58.45	60.70	47.19								
		1.28	1.16	1.05	0.95	0.90	1.01	1.12	1.16	1.30	1.53	1.65	1.58	1.77	2.19	2.17	2.84	2.94	3.08	2.67	1.82	1.52	1.20	1.12	1.05								
		-2.92	0.00	0.00	0.00	0.00	0.00	-2.89	-3.37	-5.78	0.00	0.00	0.00	10.84	24.93	17.93	37.37	29.49	9.69	22.30	8.58	-4.97	-14.54	-22.36	-9.82								

ALBANY___2 23572	40.84 1.28 -2.92	37.35 1.16 0.00	34.80 1.05 0.00	32.64 0.95 0.00	31.99 0.90 0.00	34.73 1.01 0.00	40.26 1.12 -2.89	40.85 1.16 -3.37	46.62 1.30 -5.78	46.61 1.53 0.00	50.13 1.65 0.00	54.41 1.58 0.00	52.08 1.77 10.84	45.81 2.19 24.93	51.93 2.17 17.93	54.27 2.84 37.37	62.39 2.94 29.49	86.66 3.08 9.69	63.91 2.67 22.30	49.98 1.82 8.58	57.06 1.52 -4.97	58.45 1.20 -14.54	60.70 1.12 -22.36	47.19 1.05 -9.82
ALBANY___3 23573	40.84 1.28 -2.92	37.35 1.16 0.00	34.80 1.05 0.00	32.64 0.95 0.00	31.99 0.90 0.00	34.73 1.01 0.00	40.26 1.12 -2.89	40.85 1.16 -3.37	46.62 1.30 -5.78	46.61 1.53 0.00	50.13 1.65 0.00	54.41 1.58 0.00	52.08 1.77 10.84	45.81 2.19 24.93	51.93 2.17 17.93	54.27 2.84 37.37	62.39 2.94 29.49	86.66 3.08 9.69	63.91 2.67 22.30	49.98 1.82 8.58	57.06 1.52 -4.97	58.45 1.20 -14.54	60.70 1.12 -22.36	47.19 1.05 -9.82
ALBANY___4 23574	40.84 1.28 -2.92	37.35 1.16 0.00	34.80 1.05 0.00	32.64 0.95 0.00	31.99 0.90 0.00	34.73 1.01 0.00	40.26 1.12 -2.89	40.85 1.16 -3.37	46.62 1.30 -5.78	46.61 1.53 0.00	50.13 1.65 0.00	54.41 1.58 0.00	52.08 1.77 10.84	45.81 2.19 24.93	51.93 2.17 17.93	54.27 2.84 37.37	62.39 2.94 29.49	86.66 3.08 9.69	63.91 2.67 22.30	49.98 1.82 8.58	57.06 1.52 -4.97	58.45 1.20 -14.54	60.70 1.12 -22.36	47.19 1.05 -9.82
ALBANY___LFGE 323615	41.31 1.72 -2.95	37.71 1.52 0.00	35.17 1.42 0.00	32.99 1.30 0.00	32.40 1.31 0.00	35.10 1.38 0.00	40.72 1.56 -2.92	41.31 1.60 -3.40	48.24 1.86 -6.84	47.24 2.16 0.00	50.81 2.33 0.00	55.21 2.38 0.00	63.83 2.69 0.00	73.86 3.15 -2.16	115.88 3.05 -45.15	133.62 4.09 -40.74	145.94 4.18 -52.82	171.43 4.48 -73.69	154.50 3.93 -67.02	118.35 2.61 -59.00	93.75 2.22 -40.96	72.13 1.79 -27.63	61.42 1.60 -22.61	47.69 1.45 -9.93
ALCOA_PA_115KV_PL-6C 55860	35.21 -1.43 0.00	35.18 -1.01 0.00	32.84 -0.91 0.00	30.80 -0.89 0.00	30.22 -0.87 0.00	32.81 -0.91 0.00	35.26 -0.98 0.00	35.26 -1.05 0.00	38.03 -1.50 0.00	43.18 -1.89 0.00	47.73 -2.18 -1.43	52.32 -2.48 -1.98	60.18 -2.93 -1.98	68.41 -3.56 -3.43	68.72 -3.66 -4.69	91.55 -4.71 -7.46	91.61 -4.80 -7.47	96.57 -4.85 -8.15	81.01 -4.51 -1.98	57.07 -2.61 -2.94	50.16 -2.33 -1.91	41.20 -1.79 -0.29	35.95 -1.27 0.00	35.15 -1.16 0.00
ALCOA_RYNLDS___DRP 24188	35.21 -1.43 0.00	35.18 -1.01 0.00	32.84 -0.91 0.00	30.80 -0.89 0.00	30.22 -0.87 0.00	32.81 -0.91 0.00	35.26 -0.98 0.00	35.26 -1.05 0.00	38.03 -1.50 0.00	43.18 -1.89 0.00	47.73 -2.18 -1.43	52.32 -2.48 -1.98	60.18 -2.93 -1.98	68.41 -3.56 -3.43	68.72 -3.66 -4.69	91.55 -4.71 -7.46	91.61 -4.80 -7.47	96.57 -4.85 -8.15	81.01 -4.51 -1.98	57.07 -2.61 -2.94	50.16 -2.33 -1.91	41.20 -1.79 -0.29	35.95 -1.27 0.00	35.15 -1.16 0.00
ALCOA___DSASP 323711	35.21 -1.43 0.00	35.14 -1.05 0.00	32.84 -0.91 0.00	30.80 -0.89 0.00	30.22 -0.87 0.00	32.81 -0.91 0.00	35.27 -0.98 0.00	35.30 -1.02 0.00	38.03 -1.50 0.00	43.19 -1.89 0.00	47.73 -2.18 -1.43	52.32 -2.48 -1.98	60.18 -2.93 -1.98	68.40 -3.57 -3.43	68.99 -3.38 -4.69	91.55 -4.71 -7.46	91.60 -4.80 -7.47	96.57 -4.85 -8.15	81.01 -4.51 -1.98	56.96 -2.72 -2.94	50.21 -2.27 -1.91	41.33 -1.67 -0.29	35.95 -1.27 0.00	35.15 -1.16 0.00
ALLEGHENY___COGEN 23514	37.19 0.18 -0.36	35.69 -0.51 0.00	32.87 -0.88 0.00	31.02 -0.67 0.00	30.47 -0.62 0.00	32.97 -0.74 0.00	35.81 -0.80 -0.36	35.76 -0.98 -0.42	38.42 -1.46 -0.35	43.08 -1.98 0.02	45.94 -2.28 0.26	50.77 -2.06 0.00	54.07 -6.54 0.53	61.60 -7.20 -0.25	65.46 -7.52 -5.29	83.27 -10.30 -4.78	84.99 -10.14 -6.19	92.31 -9.60 -8.64	80.43 -7.44 -4.32	56.26 -3.86 -3.38	52.77 0.45 -1.74	46.03 0.09 -3.24	40.00 0.11 -2.67	37.60 0.11 -1.17
ALTAMONT_115KV_TB 2 55880	41.14 1.58 -2.92	37.64 1.45 0.00	35.10 1.35 0.00	32.92 1.24 0.00	32.31 1.21 0.00	35.03 1.31 0.00	40.58 1.45 -2.89	41.14 1.45 -3.37	46.19 1.66 -4.99	46.97 1.89 0.00	50.52 2.04 0.00	54.89 2.06 0.00	57.74 2.32 5.72	59.13 2.74 12.15	81.97 2.64 -11.64	91.57 3.46 0.69	101.62 3.56 -9.13	126.43 3.82 -29.34	97.83 3.43 -10.86	73.37 2.27 -14.36	66.91 2.07 -14.26	65.01 1.71 -20.60	61.11 1.53 -22.37	47.55 1.42 -9.82
ALTONA_WT_PWR 323606	35.32 -1.32 0.00	35.29 -0.90 0.00	32.98 -0.77 0.00	30.89 -0.79 0.00	30.35 -0.75 0.00	32.97 -0.74 0.00	35.48 -0.76 0.00	35.62 -0.69 0.00	38.51 -1.03 0.00	43.14 -1.94 0.00	45.62 -2.86 0.00	49.60 -3.22 0.00	57.23 -3.91 0.00	63.07 -4.66 0.81	63.22 -4.47 0.00	82.67 -6.13 0.00	82.89 -6.05 0.00	87.30 -5.97 0.00	78.20 -5.35 0.00	53.57 -3.18 0.00	48.10 -2.48 0.00	41.43 -1.28 0.00	36.51 -0.71 0.00	35.51 -0.80 0.00
AMERICAN_REF_FUEL 24010	35.43 -1.54 -0.33	34.06 -2.14 0.00	31.15 -2.60 0.00	29.47 -2.22 0.00	29.07 -2.02 0.00	31.22 -2.49 0.00	33.70 -2.86 -0.33	33.68 -3.01 -0.38	36.88 -2.97 -0.31	41.77 -3.29 0.02	44.74 -3.44 0.30	49.29 -3.54 0.00	56.31 -4.22 0.61	64.80 -3.98 -0.23	67.90 -4.60 -4.82	87.29 -5.86 -4.35	88.71 -5.87 -5.64	94.98 -6.16 -7.87	80.54 -5.10 -2.10	54.81 -3.18 -1.24	47.79 -2.78 0.00	43.10 -2.56 -2.95	37.51 -2.12 -2.41	35.70 -1.67 -1.06
ARKWRIGHT___SUMMIT_WT_PWR 323751	36.72 -0.29 -0.37	35.40 -0.80 0.00	32.43 -1.32 0.00	30.77 -0.92 0.00	30.22 -0.87 0.00	32.64 -1.08 0.00	35.38 -1.23 -0.37	35.73 -1.02 -0.43	39.46 -0.43 -0.35	44.83 -0.22 0.02	47.77 -0.44 0.27	52.62 -0.21 0.00	60.34 -0.24 0.56	69.29 0.48 -0.26	73.21 0.07 -5.45	93.98 0.27 -4.92	95.59 0.27 -6.38	102.36 0.19 -8.90	88.42 0.42 -4.45	60.40 0.17 -3.49	52.68 0.31 -1.80	45.70 -0.34 -3.34	39.69 -0.26 -2.73	37.44 -0.07 -1.20
ARTHUR KILL_GT_1 23520	42.59 3.66 -2.29	39.23 3.00 -0.04	36.76 3.00 -0.01	34.48 2.79 -0.01	33.77 2.67 -0.01	36.69 2.97 -0.01	41.55 3.04 -2.27	42.35 3.41 -2.63	43.07 3.88 0.34	46.27 4.19 3.00	45.25 4.89 8.13	46.94 5.44 11.33	50.18 6.42 17.38	64.62 7.54 11.47	98.67 8.25 -22.73	117.42 10.83 -17.80	122.87 10.40 -23.52	134.94 10.54 -31.14	111.34 9.36 -18.44	76.08 6.24 -13.10	54.29 4.86 1.14	54.08 3.97 -7.40	49.67 3.57 -8.88	43.09 2.98 -3.80
ARTHUR_KILL_2 23512	42.41 3.48 -2.29	39.09 2.86 -0.04	36.63 2.87 -0.01	34.36 2.66 -0.01	33.65 2.55 -0.01	36.56 2.83 -0.01	41.41 2.90 -2.27	42.21 3.27 -2.63	42.91 3.72 0.34	46.04 3.97 3.00	45.01 4.65 8.13	46.73 5.23 11.33	49.88 6.11 17.38	64.27 7.20 11.47	98.27 7.85 -22.73	116.89 10.30 -17.80	122.42 9.96 -23.52	134.39 9.98 -31.14	110.84 8.85 -18.44	75.74 5.90 -13.10	53.99 4.55 1.14	53.82 3.71 -7.40	49.48 3.39 -8.88	42.91 2.80 -3.80
ARTHUR_KILL_3 23513	42.15 3.22 -2.28	38.94 2.72 -0.03	36.38 2.63 0.00	34.09 2.41 0.00	33.39 2.30 0.00	36.21 2.49 0.00	41.25 2.75 -2.26	42.07 3.12 -2.63	42.76 3.56 0.33	46.14 4.06 3.00	44.97 4.61 8.12	46.63 5.12 11.32	49.83 6.05 17.37	64.35 7.26 11.46	98.21 7.78 -22.74	116.72 10.12 -17.80	122.43 9.96 -23.53	134.40 9.98 -31.14	110.84 8.85 -18.45	75.75 5.90 -13.10	54.05 4.60 1.13	53.88 3.76 -7.41	49.38 3.28 -8.88	42.81 2.69 -3.81

ARTHUR_KILL_COGEN 323718	42.59 3.66 -2.29	39.23 3.00 -0.04	36.76 3.00 -0.01	34.48 2.79 -0.01	33.77 2.67 -0.01	36.69 2.97 -0.01	41.55 3.04 -2.27	42.35 3.41 -2.63	43.07 3.88 0.34	46.27 4.19 3.00	45.25 4.89 8.13	46.94 5.44 11.33	50.18 6.42 17.38	64.62 7.54 11.47	98.67 8.25 -22.73	117.42 10.83 -17.80	122.87 10.40 -23.52	134.94 10.54 -31.14	111.34 9.36 -18.44	76.08 6.24 -13.10	54.29 4.86 1.14	54.08 3.97 -7.40	49.67 3.57 -8.88	43.09 2.98 -3.80
ASHOKAN____ 23654	41.14 1.90 -2.59	38.98 2.79 0.00	36.31 2.56 0.00	34.06 2.38 0.00	33.45 2.36 0.00	36.25 2.53 0.00	40.51 1.70 -2.56	40.98 1.67 -2.99	45.33 2.09 -3.70	48.37 3.29 0.00	51.98 3.49 0.00	56.26 3.43 0.00	59.90 5.14 6.38	60.41 5.90 14.03	76.36 5.89 -2.79	86.75 7.90 9.95	95.66 8.45 1.74	118.58 9.24 -16.08	86.70 8.35 5.20	62.70 5.45 -0.50	60.14 4.81 -4.76	63.20 3.76 -16.73	58.49 1.41 -19.86	46.34 1.31 -8.72
ASTORIA_EAST_ENERGY_CC1 323581	42.56 3.63 -2.29	39.31 3.11 -0.01	36.83 3.07 -0.01	34.55 2.85 -0.01	33.84 2.74 -0.01	36.58 2.86 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.42 3.80 -2.09	49.04 3.97 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.64 6.42 -1.08	80.41 7.47 -4.39	117.16 8.25 -41.22	138.95 10.83 -39.32	148.51 10.49 -49.08	169.13 10.54 -65.32	130.67 9.19 -37.94	92.48 6.19 -29.55	70.93 4.81 -15.54	69.36 3.97 -22.68	58.40 3.54 -17.64	47.07 3.01 -7.74
ASTORIA_EAST_ENERGY_CC2 323582	42.56 3.63 -2.29	39.31 3.11 -0.01	36.83 3.07 -0.01	34.55 2.85 -0.01	33.84 2.74 -0.01	36.58 2.86 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.42 3.80 -2.09	49.04 3.97 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.64 6.42 -1.08	80.41 7.47 -4.39	117.16 8.25 -41.22	138.95 10.83 -39.32	148.51 10.49 -49.08	169.13 10.54 -65.32	130.67 9.19 -37.94	92.48 6.19 -29.55	70.93 4.81 -15.54	69.36 3.97 -22.68	58.40 3.54 -17.64	47.07 3.01 -7.74
ASTORIA_GT2_1 24094	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT2_2 24095	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT2_3 24096	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT2_4 24097	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT3_1 24098	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT3_2 24099	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT3_3 24100	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT3_4 24101	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT4_1 24102	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT4_2 24103	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT4_3 24104	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67

ASTORIA_GT4_4 24105	42.59 3.66 -2.29	39.50 3.29 -0.01	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.58 2.87 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.08 4.01 0.01	53.18 4.70 0.01	58.31 5.49 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.30 8.39 -41.22	138.95 10.83 -39.32	148.52 10.50 -49.08	169.12 10.54 -65.31	130.75 9.27 -37.94	92.43 6.13 -29.55	70.96 4.86 -15.53	69.36 3.97 -22.68	58.16 3.46 -17.48	46.96 2.98 -7.67
ASTORIA_GT_1 23523	42.70 3.77 -2.29	39.42 3.22 -0.01	36.93 3.17 -0.01	34.64 2.95 -0.01	33.93 2.83 -0.01	36.68 2.97 0.00	41.51 3.01 -2.26	42.40 3.45 -2.63	45.54 3.91 -2.09	49.21 4.14 0.01	53.32 4.85 0.01	58.53 5.71 0.01	68.88 6.67 -1.08	80.68 7.74 -4.39	117.51 8.60 -41.22	139.31 11.19 -39.32	148.87 10.85 -49.08	169.50 10.91 -65.32	131.00 9.52 -37.94	92.71 6.41 -29.55	71.13 5.01 -15.54	69.49 4.10 -22.68	58.51 3.65 -17.64	47.18 3.12 -7.74
ASTORIA_GT_10 24110	42.40 3.48 -2.28	39.31 3.11 0.00	36.65 2.90 0.00	34.35 2.66 0.00	33.67 2.58 0.00	36.48 2.76 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.20 7.27 -4.39	116.89 7.99 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.56 9.98 -65.31	130.24 8.77 -37.93	92.08 5.79 -29.54	64.93 4.60 -9.75	66.54 3.76 -20.07	54.56 3.28 -14.06	46.82 2.83 -7.67
ASTORIA_GT_11 24225	42.40 3.48 -2.28	39.31 3.11 0.00	36.65 2.90 0.00	34.35 2.66 0.00	33.67 2.58 0.00	36.48 2.76 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.20 7.27 -4.39	116.89 7.99 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.56 9.98 -65.31	130.24 8.77 -37.93	92.08 5.79 -29.54	64.93 4.60 -9.75	66.54 3.76 -20.07	54.56 3.28 -14.06	46.82 2.83 -7.67
ASTORIA_GT_12 24226	42.40 3.48 -2.28	39.31 3.11 0.00	36.65 2.90 0.00	34.35 2.66 0.00	33.67 2.58 0.00	36.48 2.76 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.20 7.27 -4.39	116.89 7.99 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.56 9.98 -65.31	130.24 8.77 -37.93	92.08 5.79 -29.54	64.93 4.60 -9.75	66.54 3.76 -20.07	54.56 3.28 -14.06	46.82 2.83 -7.67
ASTORIA_GT_13 24227	42.40 3.48 -2.28	39.31 3.11 0.00	36.65 2.90 0.00	34.35 2.66 0.00	33.67 2.58 0.00	36.48 2.76 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.20 7.27 -4.39	116.89 7.99 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.56 9.98 -65.31	130.24 8.77 -37.93	92.08 5.79 -29.54	64.93 4.60 -9.75	66.54 3.76 -20.07	54.56 3.28 -14.06	46.82 2.83 -7.67
ASTORIA_GT_5 24106	42.70 3.77 -2.29	39.57 3.37 -0.01	36.93 3.17 -0.01	34.64 2.95 -0.01	33.93 2.83 -0.01	36.68 2.97 0.00	41.51 3.01 -2.26	42.43 3.49 -2.63	45.54 3.91 -2.09	49.22 4.15 0.01	53.32 4.85 0.01	58.52 5.71 0.01	68.88 6.66 -1.08	80.68 7.75 -4.39	117.50 8.60 -41.22	139.31 11.19 -39.32	148.87 10.85 -49.08	169.49 10.91 -65.31	131.00 9.52 -37.94	92.65 6.36 -29.55	71.16 5.06 -15.53	69.53 4.14 -22.68	58.27 3.57 -17.48	47.04 3.05 -7.67
ASTORIA_GT_7 24107	42.70 3.77 -2.29	39.57 3.37 -0.01	36.93 3.17 -0.01	34.64 2.95 -0.01	33.93 2.83 -0.01	36.68 2.97 0.00	41.51 3.01 -2.26	42.43 3.49 -2.63	45.54 3.91 -2.09	49.22 4.15 0.01	53.32 4.85 0.01	58.52 5.71 0.01	68.88 6.66 -1.08	80.68 7.75 -4.39	117.50 8.60 -41.22	139.31 11.19 -39.32	148.87 10.85 -49.08	169.49 10.91 -65.31	131.00 9.52 -37.94	92.65 6.36 -29.55	71.16 5.06 -15.53	69.53 4.14 -22.68	58.27 3.57 -17.48	47.04 3.05 -7.67
ASTORIA_GT_8 24108	42.70 3.77 -2.29	39.57 3.37 -0.01	36.93 3.17 -0.01	34.64 2.95 -0.01	33.93 2.83 -0.01	36.68 2.97 0.00	41.51 3.01 -2.26	42.43 3.49 -2.63	45.54 3.91 -2.09	49.22 4.15 0.01	53.32 4.85 0.01	58.52 5.71 0.01	68.88 6.66 -1.08	80.68 7.75 -4.39	117.50 8.60 -41.22	139.31 11.19 -39.32	148.87 10.85 -49.08	169.49 10.91 -65.31	131.00 9.52 -37.94	92.65 6.36 -29.55	71.16 5.06 -15.53	69.53 4.14 -22.68	58.27 3.57 -17.48	47.04 3.05 -7.67
ASTORIA___2 24149	42.59 3.66 -2.29	39.35 3.15 -0.01	36.86 3.10 -0.01	34.58 2.88 -0.01	33.87 2.77 -0.01	36.58 2.86 0.00	41.44 2.93 -2.26	42.33 3.38 -2.63	45.42 3.80 -2.09	49.04 3.97 0.01	53.18 4.70 0.01	58.36 5.55 0.01	68.70 6.48 -1.08	80.48 7.54 -4.39	117.23 8.32 -41.22	138.95 10.83 -39.32	148.51 10.49 -49.08	169.13 10.54 -65.32	130.75 9.27 -37.94	92.48 6.19 -29.55	70.98 4.86 -15.54	69.36 3.97 -22.68	58.40 3.54 -17.64	47.07 3.01 -7.74
ASTORIA___3 23516	42.40 3.48 -2.28	39.12 2.93 0.00	36.65 2.90 0.00	34.38 2.69 0.00	33.67 2.58 0.00	36.48 2.77 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.13 7.20 -4.39	116.82 7.92 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.57 9.98 -65.31	130.24 8.77 -37.93	92.14 5.85 -29.54	64.88 4.55 -9.75	66.54 3.76 -20.07	54.79 3.35 -14.22	46.89 2.83 -7.74
ASTORIA___4 23517	42.40 3.48 -2.28	39.31 3.11 0.00	36.65 2.90 0.00	34.35 2.66 0.00	33.67 2.58 0.00	36.48 2.76 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.13 7.20 -4.39	116.89 7.99 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.56 9.98 -65.31	130.24 8.77 -37.93	92.08 5.79 -29.54	64.93 4.60 -9.75	66.54 3.76 -20.07	54.56 3.28 -14.06	46.82 2.83 -7.67
ASTORIA___5 23518	42.40 3.48 -2.28	39.12 2.93 0.00	36.65 2.90 0.00	34.38 2.69 0.00	33.67 2.58 0.00	36.48 2.77 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.13 7.20 -4.39	116.82 7.92 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.57 9.98 -65.31	130.24 8.77 -37.93	92.14 5.85 -29.54	64.88 4.55 -9.75	66.54 3.76 -20.07	54.79 3.35 -14.22	46.89 2.83 -7.74
AST_ENERGY_2_CC3 323677	42.29 3.37 -2.28	39.02 2.82 0.00	36.48 2.73 0.00	34.19 2.50 0.00	33.49 2.39 0.00	36.35 2.63 0.00	41.36 2.86 -2.26	42.18 3.23 -2.63	45.34 3.72 -2.09	49.31 4.24 0.00	53.28 4.80 0.00	58.22 5.39 0.00	68.52 6.30 -1.09	80.47 7.54 -4.39	117.02 8.12 -41.21	138.67 10.56 -39.31	148.33 10.31 -49.07	168.93 10.35 -65.31	130.66 9.19 -37.93	92.42 6.13 -29.54	70.92 4.81 -15.54	69.31 3.93 -22.67	58.27 3.42 -17.63	46.92 2.87 -7.74
AST_ENERGY_2_CC4 323678	42.29 3.37 -2.28	39.02 2.82 0.00	36.48 2.73 0.00	34.19 2.50 0.00	33.49 2.39 0.00	36.35 2.63 0.00	41.36 2.86 -2.26	42.18 3.23 -2.63	45.34 3.72 -2.09	49.31 4.24 0.00	53.28 4.80 0.00	58.22 5.39 0.00	68.52 6.30 -1.09	80.47 7.54 -4.39	117.02 8.12 -41.21	138.67 10.56 -39.31	148.33 10.31 -49.07	168.93 10.35 -65.31	130.66 9.19 -37.93	92.42 6.13 -29.54	70.92 4.81 -15.54	69.31 3.93 -22.67	58.27 3.42 -17.63	46.92 2.87 -7.74

ATHENS_STG_1 23668	41.08 1.87 -2.58	37.82 1.63 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.50 1.70 -2.55	41.03 1.74 -2.97	43.67 2.02 -2.12	47.42 2.34 0.00	51.05 2.57 0.00	55.62 2.80 0.00	64.38 3.24 0.00	74.27 3.84 -1.89	110.91 3.79 -39.44	129.35 4.97 -35.59	140.06 4.98 -46.14	162.67 5.03 -64.37	119.96 4.51 -31.91	84.64 3.01 -24.89	66.01 2.68 -12.75	69.11 2.26 -24.14	58.95 1.97 -19.76	46.80 1.81 -8.67
ATHENS_STG_2 23670	41.08 1.87 -2.58	37.82 1.63 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.50 1.70 -2.55	41.03 1.74 -2.97	43.67 2.02 -2.12	47.42 2.34 0.00	51.05 2.57 0.00	55.62 2.80 0.00	64.38 3.24 0.00	74.27 3.84 -1.89	110.91 3.79 -39.44	129.35 4.97 -35.59	140.06 4.98 -46.14	162.67 5.03 -64.37	119.96 4.51 -31.91	84.64 3.01 -24.89	66.01 2.68 -12.75	69.11 2.26 -24.14	58.95 1.97 -19.76	46.80 1.81 -8.67
ATHENS_STG_3 23677	41.08 1.87 -2.58	37.82 1.63 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.50 1.70 -2.55	41.03 1.74 -2.97	43.67 2.02 -2.12	47.42 2.34 0.00	51.05 2.57 0.00	55.62 2.80 0.00	64.38 3.24 0.00	74.27 3.84 -1.89	110.91 3.79 -39.44	129.35 4.97 -35.59	140.06 4.98 -46.14	162.67 5.03 -64.37	119.96 4.51 -31.91	84.64 3.01 -24.89	66.01 2.68 -12.75	69.11 2.26 -24.14	58.95 1.97 -19.76	46.80 1.81 -8.67
AUBURN___LFGE 323710	38.09 0.37 -1.09	37.19 -0.04 -1.03	34.62 -0.14 -1.00	32.16 -0.03 -0.51	31.49 -0.03 -0.43	34.55 -0.07 -0.90	37.41 0.04 -1.13	37.60 0.22 -1.07	41.34 0.32 -1.49	47.52 0.50 -1.95	51.08 0.58 -2.02	56.71 0.74 -3.14	65.24 0.92 -3.18	72.87 0.96 -3.37	75.36 0.88 -6.79	98.81 1.15 -8.86	99.54 1.16 -9.44	103.80 1.21 -9.31	88.98 1.25 -4.18	58.52 0.68 -1.09	51.98 0.71 -0.70	45.87 0.47 -2.69	39.79 0.30 -2.27	38.23 0.33 -1.59
BABYLON_RES_REC 323704	85.74 3.74 -45.36	61.94 3.26 -22.49	54.39 3.14 -17.50	49.55 2.85 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.38 3.33 -5.81	50.57 3.74 -10.52	67.01 4.31 -23.17	85.38 4.91 -35.39	98.43 5.48 -44.47	103.86 6.07 -44.96	105.26 7.09 -37.03	121.08 8.22 -44.31	163.53 8.60 -87.24	176.76 11.28 -76.69	226.10 11.30 -125.86	246.75 11.56 -141.91	160.78 10.27 -66.96	122.22 6.92 -58.56	120.26 5.66 -64.02	111.28 4.78 -63.78	97.87 4.13 -56.52	97.64 3.56 -57.77
BABYLON__69_KV_BK2 356345	86.80 4.80 -45.36	62.95 4.27 -22.49	55.16 3.92 -17.50	50.24 3.55 -15.01	46.07 3.48 -11.50	50.08 3.74 -12.62	46.18 4.13 -5.81	51.41 4.58 -10.52	68.04 5.34 -23.17	86.59 6.13 -35.39	100.39 6.69 -45.22	108.59 7.40 -48.37	110.12 8.68 -40.29	127.33 10.28 -48.50	169.07 10.49 -90.89	189.27 13.85 -86.62	232.55 13.79 -129.82	257.02 14.18 -149.57	176.81 12.62 -80.65	140.90 8.46 -75.69	145.03 7.18 -87.27	125.84 5.89 -77.23	98.56 4.99 -56.36	98.55 4.54 -57.70
BALL_HILL_WT_PWR 323825	36.34 -0.66 -0.36	35.07 -1.12 0.00	32.13 -1.62 0.00	30.42 -1.27 0.00	29.88 -1.21 0.00	32.20 -1.52 0.00	34.75 -1.85 -0.36	34.95 -1.78 -0.42	38.58 -1.30 -0.34	43.80 -1.26 0.02	46.60 -1.60 0.28	51.35 -1.48 0.00	58.92 -1.65 0.57	67.63 -1.17 -0.25	71.44 -1.55 -5.31	91.81 -1.78 -4.79	93.37 -1.78 -6.21	99.97 -1.96 -8.66	86.45 -1.42 -4.33	59.11 -1.02 -3.39	51.66 -0.66 -1.75	44.81 -1.15 -3.25	38.90 -0.97 -2.65	36.79 -0.69 -1.17
BARON_WINDS___WT_PWR 323822	36.94 -0.37 -0.67	35.72 -0.72 -0.25	32.95 -1.05 -0.25	31.02 -0.79 -0.13	30.45 -0.75 -0.11	33.00 -0.94 -0.22	35.76 -1.16 -0.68	36.11 -0.94 -0.74	39.77 -0.59 -0.83	45.05 -0.49 -0.47	48.10 -0.73 -0.34	53.16 -0.53 -0.86	61.02 -0.61 -0.49	69.38 -0.41 -1.25	74.70 -0.74 -7.76	95.60 -0.97 -7.78	97.29 -1.16 -9.51	104.37 -1.12 -12.22	89.35 -0.58 -6.39	60.97 -0.34 -4.56	53.13 0.00 -2.56	46.55 -0.47 -4.31	40.32 -0.44 -3.54	37.73 -0.29 -1.71
BARRETT_IC_1 23704	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_10 23701	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_11 23702	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_12 23703	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_2 23705	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_3 23706	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_4 23707	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76

BARRETT_IC_5 23708	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_6 23709	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_7 23710	85.59 3.59 -45.36	62.01 3.33 -22.49	54.35 3.11 -17.50	49.54 2.85 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.95	101.45 5.28 -43.34	102.92 6.30 -35.48	100.54 7.61 -24.39	130.58 8.12 -54.77	156.59 10.57 -57.23	217.85 10.50 -118.41	238.59 10.63 -134.68	153.43 9.44 -60.44	113.39 6.24 -50.40	107.31 5.01 -51.72	103.08 4.06 -56.31	97.18 3.61 -56.36	97.13 3.12 -57.69
BARRETT_IC_8 23711	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT_IC_9 23700	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT___1 23545	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BARRETT___2 23546	85.66 3.66 -45.36	61.90 3.22 -22.49	54.35 3.10 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.24 3.19 -5.81	50.17 3.34 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	97.18 4.75 -43.94	101.49 5.33 -43.34	102.91 6.30 -35.48	100.54 7.61 -24.39	130.51 8.05 -54.77	156.58 10.56 -57.23	217.85 10.49 -118.41	238.58 10.63 -134.68	153.42 9.44 -60.43	113.38 6.24 -50.39	107.30 5.01 -51.72	103.11 4.10 -56.30	97.42 3.69 -56.52	97.20 3.12 -57.76
BATAVIA__115KV_TB1 55881	36.90 -0.04 -0.30	34.96 -1.23 0.00	32.50 -1.25 0.00	30.83 -0.86 0.00	30.19 -0.90 0.00	32.54 -1.18 0.00	35.24 -1.30 -0.30	35.50 -1.16 -0.35	38.43 -1.11 0.00	43.93 -1.13 0.02	47.05 -1.12 0.32	51.82 -1.00 0.00	59.09 -1.41 0.64	67.73 -1.03 -0.21	70.96 -1.15 -4.42	91.19 -1.60 -3.99	92.43 -1.69 -5.18	98.81 -1.68 -7.22	84.30 -1.17 -1.92	56.97 -0.91 -1.14	50.42 -0.15 0.00	45.16 -0.26 -2.71	38.96 -0.48 -2.22	37.07 -0.22 -0.97
BAYONEEC___CTG1 323682	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG10 323750	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG2 323683	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG3 323684	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG4 323685	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG5 323686	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG6 323687	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71

BAYONEEC___CTG7 323688	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG8 323689	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BAYONEEC___CTG9 323749	42.33 3.41 -2.28	39.05 2.86 0.00	36.52 2.77 0.00	34.22 2.54 0.00	33.52 2.43 0.00	36.38 2.66 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	46.37 4.28 3.00	45.21 4.85 8.12	46.90 5.39 11.32	50.13 6.36 17.37	64.69 7.61 11.46	98.54 8.12 -22.74	117.16 10.56 -17.80	122.78 10.31 -23.53	134.86 10.44 -31.14	111.26 9.27 -18.45	75.98 6.13 -13.10	54.30 4.86 1.13	54.04 3.93 -7.41	51.63 3.42 -10.99	44.89 2.87 -5.71
BEACON___LESR 323632	41.57 2.01 -2.92	37.97 1.77 0.00	35.37 1.62 0.00	33.18 1.49 0.00	32.55 1.46 0.00	35.33 1.62 0.00	40.98 1.85 -2.89	41.57 1.89 -3.37	47.57 2.17 -5.86	47.55 2.48 0.00	51.20 2.71 0.00	55.52 2.69 0.00	45.89 3.06 18.30	28.38 3.43 43.59	9.86 3.32 61.15	2.35 4.53 90.97	7.64 4.62 85.92	31.65 5.13 66.75	9.89 4.51 78.17	10.25 3.01 49.50	38.15 2.58 15.00	50.42 2.05 -5.66	61.40 1.82 -22.36	47.84 1.71 -9.81
BEAVER RIVER___HYD 24048	36.42 -0.77 -0.55	36.00 -0.80 -0.60	33.52 -0.81 -0.58	31.22 -0.76 -0.30	30.66 -0.68 -0.25	33.53 -0.71 -0.52	36.31 -0.51 -0.58	36.38 -0.47 -0.54	39.73 -0.67 -0.87	45.40 -0.81 -1.14	46.30 -1.07 1.11	50.21 -1.21 1.40	58.35 -1.47 1.32	61.04 -2.33 5.17	60.49 -2.43 4.77	77.55 -3.28 7.97	77.72 -3.29 7.93	80.60 -3.08 9.60	79.77 -2.50 1.27	50.81 -1.53 4.40	46.73 -1.16 2.69	42.11 -1.03 -0.42	36.91 -1.04 -0.73	36.32 -0.65 -0.66
BEEBEE_GT_13 23619	36.86 -0.04 -0.26	35.18 -1.01 0.00	32.74 -1.01 0.00	30.89 -0.79 0.00	30.28 -0.81 0.00	32.70 -1.01 0.00	35.59 -0.91 -0.25	35.85 -0.76 -0.30	38.75 -0.79 0.00	44.29 -0.77 0.02	47.56 -0.58 0.34	52.40 -0.42 0.00	59.84 -0.61 0.69	68.31 -0.41 -0.18	70.95 -0.47 -3.74	91.64 -0.53 -3.38	92.61 -0.71 -4.38	98.72 -0.65 -6.11	84.59 -0.58 -1.63	57.20 -0.51 -0.96	50.42 -0.15 0.00	44.87 -0.13 -2.29	38.80 -0.30 -1.88	37.00 -0.15 -0.83
BENSHRST_27_KV_BENSHRST_1 355998	78.77 4.03 -38.10	39.80 3.55 -0.06	37.07 3.31 -0.01	34.74 3.04 -0.01	34.02 2.92 -0.01	36.89 3.17 -0.01	41.88 3.37 -2.27	42.73 3.78 -2.63	46.03 4.35 -2.14	49.81 4.73 0.00	78.32 5.48 -24.36	78.30 6.08 -19.40	78.76 7.15 -10.46	81.29 8.36 -4.39	118.03 9.07 -41.27	139.98 11.81 -39.37	149.40 11.38 -49.07	170.05 11.47 -65.31	131.58 10.11 -37.93	93.04 6.75 -29.54	75.00 5.36 -19.07	74.77 4.44 -27.62	74.39 3.91 -33.27	47.36 3.38 -7.67
BETHLEHEM___GRP 23843	40.84 1.28 -2.92	37.35 1.16 0.00	34.80 1.05 0.00	32.64 0.95 0.00	31.99 0.90 0.00	34.73 1.01 0.00	40.26 1.12 -2.89	40.85 1.16 -3.37	46.62 1.30 -5.78	46.61 1.53 0.00	50.13 1.65 0.00	54.41 1.58 0.00	52.08 1.77 10.84	45.81 2.19 24.93	51.93 2.17 17.93	54.27 2.84 37.37	62.39 2.94 29.49	86.66 3.08 9.69	63.91 2.67 22.30	49.98 1.82 8.58	57.06 1.52 -4.97	58.45 1.20 -14.54	60.70 1.12 -22.36	47.19 1.05 -9.82
BETHLEHEM___GS1 323560	40.84 1.28 -2.92	37.28 1.08 0.00	34.80 1.05 0.00	32.64 0.95 0.00	32.06 0.96 0.00	34.73 1.01 0.00	40.26 1.12 -2.89	40.81 1.13 -3.37	46.62 1.30 -5.78	46.61 1.53 0.00	50.13 1.65 0.00	54.41 1.58 0.00	52.08 1.77 10.84	45.74 2.13 24.93	51.86 2.10 17.93	54.27 2.84 37.37	62.39 2.93 29.49	86.66 3.07 9.69	63.91 2.67 22.30	49.98 1.82 8.58	57.06 1.52 -4.97	58.44 1.19 -14.54	60.76 1.16 -22.39	47.20 1.05 -9.83
BETHLEHEM___GS2 323561	40.84 1.28 -2.92	37.28 1.08 0.00	34.80 1.05 0.00	32.64 0.95 0.00	32.06 0.96 0.00	34.73 1.01 0.00	40.26 1.12 -2.89	40.81 1.13 -3.37	46.62 1.30 -5.78	46.61 1.53 0.00	50.13 1.65 0.00	54.41 1.58 0.00	52.08 1.77 10.84	45.74 2.13 24.93	51.86 2.10 17.93	54.27 2.84 37.37	62.39 2.93 29.49	86.66 3.07 9.69	63.91 2.67 22.30	49.98 1.82 8.58	57.06 1.52 -4.97	58.44 1.19 -14.54	60.76 1.16 -22.39	47.20 1.05 -9.83
BETHLEHEM___GS3 323562	40.84 1.28 -2.92	37.28 1.08 0.00	34.80 1.05 0.00	32.64 0.95 0.00	32.06 0.96 0.00	34.73 1.01 0.00	40.26 1.12 -2.89	40.81 1.13 -3.37	46.62 1.30 -5.78	46.61 1.53 0.00	50.13 1.65 0.00	54.41 1.58 0.00	52.08 1.77 10.84	45.74 2.13 24.93	51.86 2.10 17.93	54.27 2.84 37.37	62.39 2.93 29.49	86.66 3.07 9.69	63.91 2.67 22.30	49.98 1.82 8.58	57.06 1.52 -4.97	58.44 1.19 -14.54	60.76 1.16 -22.39	47.20 1.05 -9.83
BETHLEHEM___STEEL 23779	36.19 -0.81 -0.35	34.49 -1.70 0.00	32.03 -1.72 0.00	30.42 -1.27 0.00	29.79 -1.31 0.00	32.03 -1.69 0.00	34.53 -2.07 -0.35	34.73 -2.00 -0.41	38.25 -1.62 -0.34	43.39 -1.67 0.02	46.16 -2.04 0.29	50.92 -1.90 0.00	58.30 -2.26 0.58	66.94 -1.85 -0.25	71.06 -1.83 -5.21	90.74 -2.75 -4.70	92.28 -2.76 -6.09	98.78 -2.98 -8.50	83.47 -2.34 -2.26	56.27 -1.82 -1.34	49.77 -0.81 0.00	44.83 -1.07 -3.19	38.64 -1.19 -2.61	36.59 -0.87 -1.14
BETHLHEM_115KV_TB1 79974	40.91 1.36 -2.92	37.42 1.23 0.00	34.86 1.11 0.00	32.70 1.01 0.00	32.09 0.99 0.00	34.79 1.08 0.00	40.33 1.20 -2.89	40.88 1.20 -3.37	46.51 1.38 -5.59	46.70 1.62 0.00	50.23 1.75 0.00	54.52 1.69 0.00	52.87 1.90 10.16	47.55 2.26 23.26	55.84 2.23 14.08	59.23 3.02 32.58	67.51 3.02 24.45	91.83 3.17 4.61	67.82 2.84 18.56	52.44 1.87 6.18	57.86 1.62 -5.67	59.31 1.28 -15.32	60.76 1.19 -22.35	47.25 1.13 -9.81
BETHPAGE_CC_5 323564	85.77 3.77 -45.36	61.87 3.19 -22.49	54.29 3.04 -17.50	49.55 2.85 -15.01	45.33 2.74 -11.50	49.34 3.00 -12.62	45.35 3.30 -5.81	50.46 3.63 -10.52	66.94 4.23 -23.17	85.33 4.87 -35.39	98.16 5.48 -44.20	102.70 6.07 -43.81	104.28 7.21 -35.93	125.32 8.64 -48.14	171.69 9.00 -95.00	178.23 11.81 -77.62	226.82 11.74 -126.14	245.66 12.04 -140.35	156.46 10.61 -62.30	116.57 7.09 -52.73	113.22 5.76 -56.88	107.34 4.74 -59.89	97.76 4.02 -56.52	97.53 3.45 -57.76
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	36.15 -0.84 -0.36	34.53 -1.66 0.00	32.06 -1.69 0.00	30.45 -1.24 0.00	29.82 -1.27 0.00	32.10 -1.62 0.00	34.50 -2.10 -0.36	34.73 -2.00 -0.42	38.38 -1.50 -0.34	43.52 -1.53 0.02	46.21 -1.99 0.28	50.98 -1.85 0.00	58.43 -2.14 0.57	67.08 -1.71 -0.25	71.27 -1.69 -5.28	90.99 -2.58 -4.76	92.63 -2.49 -6.18	99.18 -2.70 -8.62	85.68 -2.17 -4.30	58.35 -1.76 -3.37	51.70 -0.61 -1.74	44.87 -1.07 -3.23	38.67 -1.19 -2.64	36.57 -0.91 -1.16

BINGHAMTON___COGEN 23790	38.17 0.48 -1.05	36.80 0.14 -0.46	34.27 0.07 -0.45	32.07 0.16 -0.23	31.44 0.16 -0.19	34.22 0.10 -0.40	37.42 0.11 -1.07	37.60 0.15 -1.14	41.28 0.36 -1.39	46.48 0.54 -0.87	49.86 0.48 -0.89	55.23 0.85 -1.56	63.69 1.10 -1.44	71.93 1.23 -2.16	80.57 1.22 -11.67	102.34 1.60 -11.95	105.16 1.78 -14.44	113.37 1.87 -18.23	95.03 1.75 -9.73	64.60 1.02 -6.84	55.62 1.11 -3.93	49.74 0.68 -6.34	42.81 0.45 -5.14	39.32 0.47 -2.54
BIXINCNT_115KV_LOAD 355685	35.66 -1.36 -0.38	34.28 -1.92 0.00	31.93 -1.82 0.00	30.23 -1.46 0.00	29.69 -1.40 0.00	32.00 -1.72 0.00	34.19 -2.43 -0.38	34.76 -2.00 -0.44	38.60 -1.30 -0.37	43.84 -1.22 0.02	46.27 -1.94 0.27	51.03 -1.80 0.00	58.64 -1.96 0.54	67.24 -1.58 -0.27	71.74 -1.56 -5.61	91.55 -2.31 -5.06	93.29 -2.22 -6.57	100.01 -2.43 -9.16	86.22 -1.92 -4.59	58.64 -1.70 -3.60	52.08 -0.35 -1.86	44.91 -1.24 -3.43	38.65 -1.38 -2.81	36.46 -1.09 -1.23
BLACK RIVER___HYD 24047	37.11 -0.44 -0.91	36.63 -0.58 -1.02	34.10 -0.64 -0.99	31.62 -0.57 -0.50	31.02 -0.50 -0.43	34.10 -0.50 -0.89	36.95 -0.25 -0.96	36.98 -0.22 -0.88	40.61 -0.40 -1.47	46.56 -0.45 -1.93	48.36 -0.68 -0.56	52.94 -0.79 -0.91	61.32 -0.98 -1.16	65.00 -1.99 1.55	64.91 -2.17 0.61	84.55 -2.85 1.40	84.68 -2.85 1.41	87.41 -2.61 3.25	82.62 -1.92 -0.99	53.00 -1.08 2.66	48.44 -0.76 1.38	43.02 -0.69 -0.99	37.45 -0.85 -1.08	37.00 -0.36 -1.05
BLACKRVR_115KV_TB2 79977	37.11 -0.44 -0.91	36.59 -0.62 -1.02	34.10 -0.64 -0.99	31.62 -0.57 -0.50	31.02 -0.50 -0.43	34.10 -0.51 -0.89	36.95 -0.25 -0.96	36.98 -0.22 -0.88	40.61 -0.40 -1.47	46.56 -0.45 -1.93	48.36 -0.68 -0.55	52.94 -0.79 -0.91	61.33 -0.98 -1.16	65.01 -1.99 1.55	64.91 -2.17 0.61	84.56 -2.84 1.40	84.69 -2.85 1.41	87.41 -2.61 3.25	82.62 -1.92 -0.99	53.00 -1.08 2.66	48.48 -0.71 1.38	43.06 -0.64 -0.99	37.48 -0.82 -1.08	37.00 -0.36 -1.05
BLISS_WT_PWR 323608	35.52 -1.50 -0.38	34.57 -1.63 0.00	31.83 -1.92 0.00	30.01 -1.68 0.00	29.54 -1.55 0.00	31.89 -1.82 0.00	34.08 -2.54 -0.38	34.65 -2.11 -0.44	38.60 -1.30 -0.37	43.84 -1.21 0.02	46.27 -1.94 0.27	50.98 -1.85 0.00	58.64 -1.96 0.54	67.17 -1.65 -0.27	71.20 -2.10 -5.61	91.55 -2.31 -5.06	93.29 -2.22 -6.57	100.01 -2.43 -9.16	86.22 -1.92 -4.59	58.87 -1.48 -3.60	51.78 -0.66 -1.86	44.52 -1.62 -3.43	38.61 -1.41 -2.81	36.42 -1.13 -1.23
BLUESTONE___WT_PWR 323821	40.26 2.56 -1.05	38.83 2.24 -0.40	36.09 1.96 -0.39	33.75 1.87 -0.20	33.12 1.87 -0.17	36.09 2.02 -0.35	39.78 2.47 -1.08	40.05 2.58 -1.16	44.10 2.93 -1.64	49.38 3.56 -0.75	52.84 3.59 -0.77	59.34 4.81 -1.71	68.16 5.38 -1.64	75.69 4.87 -2.28	83.25 4.47 -11.10	106.57 6.21 -11.56	109.01 6.22 -13.84	117.39 6.90 -17.22	99.28 6.52 -9.22	67.41 4.31 -6.35	58.32 4.05 -3.70	51.66 3.03 -5.92	44.28 2.27 -4.79	41.59 2.87 -2.41
BLUE_CIRC_CHEM_DRP 24182	41.23 1.72 -2.87	37.82 1.63 0.00	35.24 1.49 0.00	33.08 1.39 0.00	32.43 1.34 0.00	35.20 1.48 0.00	40.67 1.59 -2.84	41.15 1.53 -3.31	45.93 1.66 -4.74	46.88 1.80 0.00	50.32 1.84 0.00	54.46 1.64 0.00	52.55 0.67 9.26	48.32 0.82 21.04	58.69 0.68 9.67	62.93 0.98 26.85	71.41 1.07 18.59	95.62 1.40 -0.95	66.95 1.42 18.02	50.42 0.96 7.29	54.51 0.91 -3.03	59.33 0.73 -15.89	60.69 1.53 -21.95	47.44 1.49 -9.64
BOC_GAS_DRP 24189	40.98 1.43 -2.91	37.50 1.30 0.00	34.97 1.22 0.00	32.79 1.11 0.00	32.18 1.09 0.00	34.90 1.18 0.00	40.43 1.30 -2.88	40.98 1.31 -3.36	45.57 1.50 -4.54	46.79 1.71 0.00	50.32 1.84 0.00	54.68 1.85 0.00	56.72 2.02 6.44	57.00 2.40 13.94	77.38 2.37 -7.32	85.93 3.11 5.98	95.57 3.11 -3.51	120.11 3.26 -23.58	88.70 2.92 -2.23	65.86 1.93 -7.18	61.87 1.72 -9.57	63.75 1.41 -19.63	60.83 1.34 -22.27	47.36 1.27 -9.78
BOONVILLE_115KV_TB1 79983	37.70 0.77 -0.29	37.13 0.65 -0.29	34.57 0.54 -0.28	32.33 0.51 -0.14	31.74 0.53 -0.12	34.57 0.61 -0.25	37.38 0.83 -0.30	37.51 0.91 -0.29	40.94 0.99 -0.41	46.84 1.22 -0.54	49.40 1.21 0.29	53.76 1.27 0.34	62.25 1.41 0.30	67.81 0.96 1.69	67.49 0.88 1.08	87.77 1.15 2.18	88.04 1.16 2.05	92.12 1.40 2.55	84.87 1.42 0.09	56.20 0.96 1.51	50.57 0.96 0.96	43.98 0.77 -0.50	38.22 0.45 -0.56	37.48 0.76 -0.41
BORALEX_4TH_BRANCH 23824	42.22 2.67 -2.91	38.65 2.46 0.00	36.01 2.26 0.00	33.78 2.09 0.00	33.14 2.05 0.00	35.97 2.26 0.00	41.58 2.46 -2.88	42.21 2.54 -3.35	49.71 2.93 -7.25	48.46 3.38 0.00	51.97 3.49 0.00	56.63 3.80 0.00	72.49 4.46 -6.89	93.16 5.28 -19.34	157.18 5.21 -84.28	185.25 6.93 -89.52	199.99 7.03 -104.02	225.77 7.37 -125.13	211.59 6.60 -121.44	160.93 4.43 -99.76	116.67 3.94 -62.15	81.33 3.25 -35.37	62.18 2.72 -22.25	48.59 2.51 -9.77
BOWLINE___1 23526	41.62 2.78 -2.19	38.48 2.28 0.00	35.98 2.23 0.00	33.74 2.06 0.00	33.08 1.99 0.00	35.88 2.16 0.00	40.77 2.35 -2.17	41.46 2.62 -2.53	44.63 3.09 -2.00	48.68 3.61 0.00	52.50 4.02 0.00	57.37 4.54 0.00	67.57 5.44 -0.99	79.21 6.58 -4.09	113.90 6.91 -39.31	135.36 9.15 -37.41	144.79 9.08 -46.77	164.79 9.15 -62.37	127.62 8.02 -36.05	90.12 5.28 -28.10	69.61 4.25 -14.78	67.89 3.46 -21.73	57.25 2.98 -17.06	46.27 2.47 -7.49
BOWLINE___2 23595	41.58 2.75 -2.19	38.40 2.21 0.00	35.94 2.19 0.00	33.72 2.03 0.00	33.05 1.96 0.00	35.84 2.13 0.00	40.70 2.28 -2.17	41.39 2.54 -2.53	44.59 3.04 -2.00	48.59 3.52 0.00	52.46 3.98 0.00	57.31 4.49 0.00	67.45 5.32 -0.99	79.07 6.44 -4.09	113.83 6.83 -39.31	135.18 8.96 -37.42	144.61 8.89 -46.78	164.69 9.04 -62.38	127.45 7.85 -36.06	90.01 5.16 -28.10	69.56 4.20 -14.79	67.86 3.42 -21.73	57.18 2.90 -17.06	46.24 2.43 -7.49
BRADY___115KV_TB2 356060	35.21 -1.43 0.00	35.22 -0.98 0.00	32.84 -0.91 0.00	30.83 -0.86 0.00	30.25 -0.84 0.00	32.87 -0.84 0.00	35.41 -0.83 0.00	35.41 -0.91 0.00	38.11 -1.42 0.00	43.14 -1.94 0.00	37.91 -2.28 8.29	38.75 -2.64 11.44	46.65 -3.06 11.44	39.50 -3.91 25.14	36.55 -3.99 27.14	40.46 -5.15 43.19	40.46 -5.25 43.24	40.86 -5.22 47.19	67.35 -4.76 11.44	37.01 -2.72 17.01	37.20 -2.33 11.05	39.26 -1.79 1.66	35.88 -1.34 0.00	35.19 -1.13 0.00
BRANSCOMB___SOLAR 323811	42.21 2.56 -3.01	38.62 2.43 0.00	35.94 2.19 0.00	33.72 2.03 0.00	33.05 1.96 0.00	35.91 2.19 0.00	41.68 2.47 -2.97	42.25 2.47 -3.47	51.50 2.88 -9.08	48.37 3.29 0.00	51.78 3.30 0.00	56.42 3.59 0.00	70.81 4.22 -5.45	88.77 4.39 -15.83	149.39 4.20 -77.51	175.09 5.69 -80.61	189.69 5.78 -94.97	216.45 6.53 -116.66	213.67 6.18 -123.95	165.92 4.31 -104.86	123.74 3.99 -69.17	80.51 3.20 -34.60	62.81 2.57 -23.02	48.82 2.40 -10.11
BRENTWOD_69_KV_W. BRTWOOD 56703	86.61 4.62 -45.36	62.81 4.13 -22.49	54.99 3.75 -17.50	50.11 3.42 -15.01	45.95 3.36 -11.50	49.94 3.61 -12.62	46.07 4.02 -5.81	51.30 4.47 -10.52	67.88 5.18 -23.17	86.37 5.91 -35.39	99.83 6.11 -45.24	107.97 6.71 -48.44	109.45 7.95 -40.36	120.59 9.39 -42.65	157.88 9.41 -80.79	183.09 12.34 -81.95	229.19 12.19 -128.06	254.32 12.50 -148.55	175.60 11.11 -80.94	140.24 7.43 -76.06	169.99 6.52 -112.89	147.55 5.34 -99.50	98.26 4.69 -56.36	98.22 4.21 -57.70

BRISTLHL_115KV_TB1 79998	38.22 -0.37 -1.94	37.81 -0.62 -2.23	35.29 -0.64 -2.18	32.22 -0.57 -1.10	31.47 -0.56 -0.94	35.07 -0.61 -1.96	37.75 -0.54 -2.05	37.71 -0.47 -1.86	42.25 -0.51 -3.23	48.83 -0.50 -4.25	52.83 -0.44 -4.78	59.15 -0.42 -6.75	68.18 -0.49 -7.53	75.04 -0.55 -7.04	76.08 -0.61 -9.00	102.04 -0.80 -14.04	102.01 -0.71 -13.78	103.47 -0.75 -10.95	89.40 -0.67 -6.53	57.16 -0.57 -0.98	51.68 -0.46 -1.56	44.57 -0.43 -2.29	38.67 -0.45 -1.90	37.97 -0.44 -2.09
BROOKHAVEN___DRP 24191	86.47 4.47 -45.36	62.62 3.95 -22.49	54.79 3.54 -17.50	49.89 3.20 -15.01	45.73 3.14 -11.50	49.74 3.41 -12.62	45.82 3.77 -5.81	51.12 4.29 -10.52	67.76 5.06 -23.17	86.14 5.68 -35.39	104.17 6.21 -49.48	127.07 6.81 -67.43	127.63 7.95 -58.55	155.75 9.46 -77.74	198.78 9.88 -121.21	248.67 12.88 -146.99	255.37 12.63 -153.80	299.87 12.96 -193.64	252.59 11.70 -157.35	236.38 7.94 -171.69	212.99 6.83 -155.59	146.56 5.47 -98.38	98.24 4.65 -56.36	98.19 4.18 -57.70
BROOKLYN_NAVY_YARD 23515	42.36 3.44 -2.28	39.05 2.86 0.00	36.48 2.73 0.00	34.22 2.54 0.00	33.49 2.39 0.00	36.35 2.63 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.46 3.83 -2.09	49.45 4.37 0.00	53.43 4.95 0.00	58.32 5.49 0.00	68.70 6.48 -1.09	80.74 7.81 -4.39	117.22 8.32 -41.21	139.03 10.92 -39.31	148.68 10.67 -49.07	169.30 10.72 -65.31	131.08 9.60 -37.93	92.70 6.41 -29.54	71.17 5.06 -15.54	69.44 4.06 -22.67	58.35 3.50 -17.63	46.96 2.91 -7.74
BROOKLYN___ARMY_DRP 323595	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
BROOKVLE_69_KV_TB1 55790	86.06 4.07 -45.36	62.26 3.58 -22.49	54.55 3.31 -17.50	49.86 3.17 -15.01	45.67 3.08 -11.50	49.67 3.34 -12.62	45.71 3.66 -5.81	50.75 3.92 -10.52	67.21 4.51 -23.17	85.74 5.27 -35.39	98.52 6.01 -44.02	102.93 6.76 -43.34	104.69 8.07 -35.48	185.48 9.66 -107.27	274.69 10.15 -196.85	227.35 13.23 -125.32	246.10 13.07 -144.09	257.83 13.34 -151.22	155.77 11.78 -60.44	114.86 7.72 -50.40	108.62 6.32 -51.72	104.19 5.17 -56.31	97.82 4.24 -56.36	97.71 3.70 -57.69
BROOME_2_LFGE 323671	38.17 0.48 -1.05	36.87 0.22 -0.46	34.27 0.07 -0.45	32.04 0.13 -0.23	31.41 0.12 -0.19	34.22 0.10 -0.40	37.42 0.11 -1.07	37.57 0.11 -1.14	41.28 0.36 -1.39	46.49 0.54 -0.87	49.86 0.48 -0.89	55.23 0.84 -1.56	63.70 1.10 -1.46	71.94 1.24 -2.16	80.44 1.08 -11.67	102.35 1.60 -11.95	105.16 1.78 -14.44	113.37 1.86 -18.23	95.03 1.76 -9.73	64.66 1.08 -6.84	55.57 1.06 -3.93	49.65 0.60 -6.34	42.80 0.45 -5.13	39.32 0.47 -2.53
BROOME___LFGE 323600	38.17 0.48 -1.05	36.87 0.22 -0.46	34.27 0.07 -0.45	32.04 0.13 -0.23	31.41 0.12 -0.19	34.22 0.10 -0.40	37.42 0.11 -1.07	37.57 0.11 -1.14	41.28 0.36 -1.39	46.49 0.54 -0.87	49.86 0.48 -0.89	55.23 0.84 -1.56	63.70 1.10 -1.46	71.94 1.24 -2.16	80.44 1.08 -11.67	102.35 1.60 -11.95	105.16 1.78 -14.44	113.37 1.86 -18.23	95.03 1.76 -9.73	64.66 1.08 -6.84	55.57 1.06 -3.93	49.65 0.60 -6.34	42.80 0.45 -5.13	39.32 0.47 -2.53
BROWNFLS_115KV_TB_3_5 80003	35.22 -1.80 -0.38	34.97 -1.63 -0.41	32.63 -1.52 -0.40	30.46 -1.43 -0.20	29.86 -1.40 -0.17	32.62 -1.45 -0.36	35.26 -1.38 -0.40	35.34 -1.34 -0.37	38.43 -1.70 -0.59	43.73 -2.12 -0.78	42.59 -2.47 3.42	45.45 -2.75 4.63	53.33 -3.24 4.57	52.59 -4.32 11.64	51.26 -4.47 11.96	63.73 -5.77 19.30	63.88 -5.78 19.28	65.80 -5.78 21.69	73.92 -5.10 4.53	45.16 -3.12 8.47	42.51 -2.68 5.38	40.25 -2.22 0.24	35.83 -1.90 -0.51	35.17 -1.60 -0.45
BROWNSV1_27_KV_LOAD 356125	42.81 3.88 -2.28	39.63 3.44 0.00	36.89 3.14 0.00	34.57 2.88 0.00	33.86 2.77 0.00	36.75 3.03 0.00	41.84 3.33 -2.26	42.69 3.74 -2.63	45.89 4.27 -2.09	49.99 4.91 0.00	54.01 5.53 0.00	59.01 6.18 0.00	69.50 7.28 -1.09	81.64 8.71 -4.39	118.17 9.27 -41.21	140.19 12.08 -39.31	149.84 11.83 -49.07	170.52 11.94 -65.31	132.17 10.69 -37.93	93.38 7.09 -29.54	71.83 5.71 -15.54	69.99 4.61 -22.67	58.64 3.95 -17.47	47.36 3.38 -7.67
BURROWS___LYONSDAL 23803	37.49 0.51 -0.34	36.90 0.36 -0.35	34.39 0.30 -0.34	32.14 0.29 -0.17	31.55 0.31 -0.15	34.36 0.34 -0.30	37.18 0.58 -0.36	37.30 0.65 -0.34	40.75 0.71 -0.50	46.59 0.86 -0.66	48.80 0.78 0.45	53.07 0.79 0.55	61.50 0.86 0.50	66.51 0.34 2.38	66.09 0.20 1.80	85.75 0.27 3.32	86.00 0.27 3.21	89.90 0.56 3.93	83.89 0.67 0.32	55.18 0.51 2.08	49.83 0.56 1.30	43.62 0.43 -0.49	38.00 0.19 -0.59	37.28 0.51 -0.46
CAITHNESS_CC_1 323624	86.43 4.43 -45.36	62.48 3.80 -22.49	54.79 3.54 -17.50	49.93 3.23 -15.01	45.70 3.11 -11.50	49.74 3.40 -12.62	45.82 3.77 -5.81	51.08 4.25 -10.52	67.69 4.98 -23.17	86.10 5.63 -35.39	104.09 6.16 -49.45	126.82 6.71 -67.29	127.38 7.83 -58.41	155.22 9.25 -77.43	198.11 9.61 -120.82	247.96 12.70 -146.47	254.89 12.36 -153.59	299.24 12.68 -193.29	251.77 11.45 -156.78	235.49 7.77 -170.97	212.24 6.62 -155.04	146.24 5.34 -98.19	98.40 4.65 -56.53	98.19 4.10 -57.77
CALPINE BETH_PAGE_GT4 24209	85.73 3.74 -45.36	61.94 3.26 -22.49	54.25 3.00 -17.50	49.48 2.79 -15.01	45.30 2.71 -11.50	49.27 2.93 -12.62	45.28 3.23 -5.81	50.39 3.56 -10.52	66.86 4.15 -23.17	85.29 4.82 -35.39	98.09 5.43 -44.17	102.60 6.08 -43.70	104.12 7.15 -35.82	132.12 8.57 -55.01	183.58 9.00 -106.89	183.67 11.81 -83.06	228.86 11.74 -128.18	246.72 11.94 -141.51	156.03 10.61 -61.87	115.97 7.04 -52.19	111.94 5.77 -55.60	106.39 4.70 -58.98	97.48 3.91 -56.36	97.42 3.41 -57.69
CALPINE_BETH_PAGE_GT_4 323586	85.74 3.74 -45.36	61.83 3.15 -22.49	54.25 3.00 -17.50	49.48 2.79 -15.01	45.30 2.70 -11.50	49.27 2.93 -12.62	45.27 3.22 -5.81	50.39 3.56 -10.52	66.85 4.15 -23.17	85.29 4.83 -35.39	98.09 5.43 -44.17	102.60 6.07 -43.70	104.11 7.15 -35.82	132.12 8.57 -55.01	183.58 9.00 -106.89	183.58 11.72 -83.06	228.86 11.74 -128.18	246.72 11.94 -141.51	156.03 10.61 -61.87	115.97 7.03 -52.19	111.89 5.71 -55.60	106.39 4.70 -58.98	97.68 3.94 -56.52	97.49 3.41 -57.76
CALPINE_BP_GT1 23823	85.74 3.74 -45.36	61.83 3.15 -22.49	54.25 3.00 -17.50	49.48 2.79 -15.01	45.30 2.70 -11.50	49.27 2.93 -12.62	45.27 3.22 -5.81	50.39 3.56 -10.52	66.85 4.15 -23.17	85.29 4.83 -35.39	98.09 5.43 -44.17	102.60 6.07 -43.70	104.11 7.15 -35.82	132.12 8.57 -55.01	183.58 9.00 -106.89	183.58 11.72 -83.06	228.86 11.74 -128.18	246.72 11.94 -141.51	156.03 10.61 -61.87	115.97 7.03 -52.19	111.89 5.71 -55.60	106.39 4.70 -58.98	97.68 3.94 -56.52	97.49 3.41 -57.76
CALSPAN___DRP 24200	36.19 -0.81 -0.35	34.49 -1.70 0.00	32.03 -1.72 0.00	30.42 -1.27 0.00	29.79 -1.31 0.00	32.03 -1.69 0.00	34.53 -2.07 -0.35	34.73 -2.00 -0.41	38.25 -1.62 -0.34	43.39 -1.67 0.02	46.16 -2.04 0.29	50.92 -1.90 0.00	58.30 -2.26 0.58	66.94 -1.85 -0.25	71.06 -1.83 -5.21	90.74 -2.75 -4.70	92.28 -2.76 -6.09	98.78 -2.98 -8.50	83.47 -2.34 -2.26	56.27 -1.82 -1.34	49.77 -0.81 0.00	44.83 -1.07 -3.19	38.64 -1.19 -2.61	36.59 -0.87 -1.14

CALVERTON___SOLAR 323806	86.54 4.54 -45.36	62.59 3.91 -22.49	54.86 3.61 -17.50	49.96 3.26 -15.01	45.77 3.17 -11.50	49.78 3.44 -12.62	45.85 3.80 -5.81	51.15 4.32 -10.52	67.84 5.14 -23.17	86.24 5.77 -35.39	104.33 6.35 -49.50	127.29 6.97 -67.49	127.94 8.20 -58.60	156.15 9.73 -77.87	199.14 10.09 -121.37	249.33 13.32 -147.21	255.81 12.99 -153.88	300.39 13.34 -193.78	253.24 12.11 -157.59	237.02 8.28 -171.99	213.47 7.08 -155.81	146.80 5.64 -98.46	98.55 4.80 -56.53	98.33 4.25 -57.77
CANDIGU_WT_PWR 323617	36.94 -0.37 -0.67	35.72 -0.72 -0.25	32.95 -1.05 -0.25	31.02 -0.79 -0.13	30.45 -0.75 -0.11	33.00 -0.94 -0.22	35.76 -1.16 -0.68	36.11 -0.94 -0.74	39.77 -0.59 -0.83	45.05 -0.49 -0.47	48.10 -0.73 -0.34	53.16 -0.53 -0.86	61.02 -0.61 -0.49	69.38 -0.41 -1.25	74.70 -0.74 -7.76	95.60 -0.97 -7.78	97.29 -1.16 -9.51	104.37 -1.12 -12.22	89.35 -0.58 -6.39	60.97 -0.34 -4.56	53.13 0.00 -2.56	46.55 -0.47 -4.31	40.32 -0.44 -3.54	37.73 -0.29 -1.71
CARR STREET_E_SYR 24060	37.10 -0.25 -0.72	36.39 -0.47 -0.67	33.86 -0.54 -0.65	31.54 -0.47 -0.33	30.91 -0.47 -0.28	33.80 -0.50 -0.59	36.55 -0.43 -0.75	36.66 -0.36 -0.71	40.19 -0.32 -0.97	46.12 -0.22 -1.26	49.45 -0.15 -1.11	54.62 -0.11 -1.90	62.78 -0.06 -1.70	70.32 -0.14 -1.91	71.73 -0.27 -4.31	94.06 -0.18 -5.44	94.65 -0.18 -5.88	98.86 -0.28 -5.87	85.97 -0.25 -2.67	57.04 -0.28 -0.58	50.65 -0.25 -0.33	44.22 -0.34 -1.86	38.43 -0.34 -1.55	37.08 -0.29 -1.06
CARTHAGE___PAPER 23857	36.68 -0.73 -0.77	36.25 -0.80 -0.85	33.77 -0.81 -0.83	31.35 -0.76 -0.42	30.77 -0.68 -0.36	33.79 -0.67 -0.75	36.62 -0.43 -0.81	36.63 -0.43 -0.75	40.10 -0.67 -1.24	45.89 -0.81 -1.62	47.24 -1.11 0.13	51.57 -1.27 -0.01	59.74 -1.53 -0.13	63.13 -2.46 2.95	62.90 -2.57 2.22	81.48 -3.37 3.94	81.63 -3.38 3.93	84.39 -3.17 5.71	81.24 -2.43 -0.12	51.99 -1.42 3.34	47.62 -1.06 1.89	42.58 -0.90 -0.77	37.16 -1.00 -0.95	36.63 -0.58 -0.90
CASSADAGA_WT_PWR 323784	36.94 -0.07 -0.38	35.61 -0.58 0.00	32.67 -1.08 0.00	30.96 -0.73 0.00	30.41 -0.68 0.00	32.87 -0.84 0.00	35.67 -0.94 -0.37	36.09 -0.65 -0.43	39.85 -0.04 -0.36	45.33 0.27 0.02	48.26 0.05 0.27	53.09 0.27 0.00	60.90 0.31 0.55	69.90 1.09 -0.26	73.84 0.68 -5.48	94.81 1.07 -4.95	96.43 1.07 -6.41	103.15 0.93 -8.95	89.19 1.17 -4.48	60.82 0.57 -3.51	53.10 0.71 -1.81	46.02 -0.04 -3.36	39.96 0.00 -2.74	37.70 0.18 -1.20
CE_DUNWOOD___DRP 24194	42.07 3.15 -2.28	38.98 2.79 0.00	36.28 2.53 0.00	34.03 2.34 0.00	33.36 2.27 0.00	36.18 2.46 0.00	41.21 2.72 -2.25	41.96 3.01 -2.63	45.14 3.52 -2.08	49.13 4.06 0.00	53.04 4.56 0.00	57.90 5.07 0.00	68.21 5.99 -1.08	80.25 7.33 -4.37	116.50 7.72 -41.10	138.03 9.96 -39.20	147.84 9.96 -48.93	168.56 10.17 -65.12	130.30 8.94 -37.82	92.11 5.90 -29.46	70.87 4.80 -15.49	69.20 3.89 -22.61	57.92 3.28 -17.43	46.76 2.80 -7.65
CE_MILLWOOD___DRP 24193	41.98 3.08 -2.27	38.87 2.68 0.00	36.21 2.46 0.00	33.94 2.25 0.00	33.30 2.21 0.00	36.11 2.39 0.00	41.09 2.61 -2.24	41.83 2.91 -2.61	45.01 3.40 -2.07	49.00 3.92 0.00	52.89 4.41 0.00	57.74 4.91 0.00	68.02 5.81 -1.07	80.01 7.13 -4.34	115.99 7.45 -40.86	137.54 9.77 -38.97	147.20 9.61 -48.65	167.83 9.79 -64.76	129.83 8.69 -37.60	91.77 5.73 -29.29	70.68 4.70 -15.40	69.00 3.80 -22.49	57.76 3.20 -17.34	46.65 2.72 -7.61
CE_NYC2_DRP 24202	42.48 3.55 -2.28	39.31 3.11 0.00	36.65 2.90 0.00	34.38 2.69 0.00	33.67 2.58 0.00	36.51 2.80 0.00	41.44 2.94 -2.26	42.33 3.38 -2.63	45.46 3.84 -2.09	49.22 4.15 0.00	53.27 4.80 0.01	57.32 5.28 0.79	68.45 6.24 -1.08	80.27 7.33 -4.39	116.95 8.05 -41.21	138.59 10.48 -39.31	148.07 10.05 -49.07	168.65 10.07 -65.31	130.41 8.94 -37.93	92.19 5.90 -29.54	65.03 4.70 -9.75	66.58 3.80 -20.07	54.63 3.35 -14.06	46.85 2.87 -7.67
CE_NYC_DRP 24195	42.40 3.48 -2.28	39.27 3.08 0.00	36.55 2.80 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.47 2.97 -2.26	42.33 3.38 -2.63	45.50 3.87 -2.09	49.49 4.42 0.00	53.48 4.99 0.00	58.43 5.60 0.00	68.77 6.54 -1.09	80.81 7.88 -4.39	117.36 8.46 -41.21	139.03 10.92 -39.31	148.69 10.67 -49.07	169.31 10.73 -65.31	131.00 9.52 -37.93	92.59 6.30 -29.54	71.17 5.06 -15.54	69.44 4.06 -22.67	58.19 3.50 -17.47	46.96 2.98 -7.67
CHAFFEE___LFGE 323603	36.27 -0.73 -0.37	35.03 -1.16 0.00	32.06 -1.69 0.00	30.36 -1.33 0.00	29.82 -1.28 0.00	32.13 -1.58 0.00	34.54 -2.06 -0.37	34.78 -1.96 -0.43	38.39 -1.50 -0.35	43.57 -1.49 0.02	46.27 -1.94 0.28	51.03 -1.80 0.00	58.57 -2.02 0.56	67.30 -1.51 -0.26	71.13 -1.97 -5.41	91.37 -2.31 -4.88	92.96 -2.31 -6.33	99.59 -2.51 -8.83	86.04 -1.92 -4.42	58.84 -1.36 -3.46	51.50 -0.86 -1.78	44.65 -1.37 -3.31	38.77 -1.15 -2.70	36.67 -0.83 -1.19
CHATEAUG_35_KV_LOAD 355732	35.14 -1.50 0.00	35.14 -1.05 0.00	32.81 -0.95 0.00	30.73 -0.95 0.00	30.19 -0.90 0.00	32.81 -0.91 0.00	35.30 -0.94 0.00	35.33 -0.98 0.00	38.19 -1.34 0.00	43.05 -2.03 0.00	45.20 -2.67 0.61	48.97 -3.01 0.84	56.63 -3.67 0.84	61.63 -4.32 2.60	61.21 -4.47 2.00	80.01 -5.59 3.19	80.24 -5.51 3.19	84.28 -5.50 3.48	77.85 -4.85 0.84	52.71 -2.78 1.26	47.28 -2.48 0.82	40.88 -1.71 0.12	36.29 -0.93 0.00	35.33 -0.98 0.00
CHATEAUG_WT_PWR 323614	35.17 -1.47 0.00	35.14 -1.05 0.00	32.84 -0.91 0.00	30.77 -0.92 0.00	30.19 -0.90 0.00	32.81 -0.91 0.00	35.30 -0.94 0.00	35.41 -0.91 0.00	38.31 -1.23 0.00	43.09 -1.98 0.00	45.77 -2.71 0.00	49.71 -3.12 0.00	57.35 -3.79 0.00	63.28 -4.45 0.82	63.35 -4.33 0.00	82.93 -5.86 0.00	83.25 -5.69 0.00	87.58 -5.69 0.00	78.45 -5.10 0.00	53.68 -3.07 0.00	48.15 -2.43 0.00	41.30 -1.41 0.00	36.32 -0.89 0.00	35.37 -0.94 0.00
CHAT_HIGH_FALL_HYD 323578	35.14 -1.50 0.00	35.14 -1.05 0.00	32.81 -0.95 0.00	30.73 -0.95 0.00	30.19 -0.90 0.00	32.81 -0.91 0.00	35.30 -0.94 0.00	35.33 -0.98 0.00	38.19 -1.34 0.00	43.05 -2.03 0.00	45.20 -2.67 0.61	48.97 -3.01 0.84	56.63 -3.67 0.84	61.63 -4.32 2.60	61.21 -4.47 2.00	80.01 -5.59 3.19	80.24 -5.51 3.19	84.28 -5.50 3.48	77.85 -4.85 0.84	52.71 -2.78 1.26	47.28 -2.48 0.82	40.88 -1.71 0.12	36.29 -0.93 0.00	35.33 -0.98 0.00
CHAUTAUQUA___LFGE 323629	36.71 -0.29 -0.37	35.40 -0.80 0.00	32.47 -1.28 0.00	30.74 -0.95 0.00	30.19 -0.90 0.00	32.57 -1.15 0.00	35.23 -1.38 -0.36	35.54 -1.20 -0.42	39.21 -0.67 -0.35	44.56 -0.49 0.02	47.43 -0.78 0.28	52.30 -0.53 0.00	60.03 -0.55 0.56	68.87 0.07 -0.26	72.80 -0.27 -5.38	93.48 -0.18 -4.86	95.06 -0.18 -6.30	101.78 -0.28 -8.79	87.94 0.00 -4.40	60.07 -0.11 -3.44	52.45 0.10 -1.78	45.49 -0.51 -3.29	39.50 -0.41 -2.69	37.28 -0.22 -1.18
CHERRYST_13_KV_LD 356241	42.55 3.63 -2.28	39.41 3.22 0.00	36.69 2.94 0.00	34.38 2.69 0.00	33.70 2.61 0.00	36.55 2.83 0.00	41.65 3.15 -2.26	42.51 3.56 -2.63	45.74 4.11 -2.09	49.81 4.73 0.00	53.82 5.33 0.00	58.74 5.92 0.00	69.20 6.97 -1.09	81.29 8.36 -4.39	117.83 8.93 -41.21	139.65 11.54 -39.31	149.31 11.30 -49.07	169.96 11.38 -65.31	131.50 10.03 -37.93	92.93 6.64 -29.54	71.42 5.31 -15.54	69.65 4.27 -22.67	58.34 3.65 -17.47	47.11 3.12 -7.67

CHESTROR_138KV_BK263 355645	41.24 2.53 -2.07	38.37 2.17 0.00	35.74 1.99 0.00	33.52 1.84 0.00	32.90 1.80 0.00	35.64 1.92 0.00	40.43 2.14 -2.05	41.03 2.32 -2.39	44.20 2.77 -1.89	48.28 3.20 0.00	52.07 3.59 0.00	56.84 4.01 0.00	66.77 4.77 -0.86	77.97 5.76 -3.67	110.40 6.02 -36.69	131.49 7.90 -34.79	140.37 7.83 -43.60	159.63 8.02 -58.34	124.04 7.02 -33.48	87.46 4.60 -26.12	68.18 3.84 -13.76	66.22 3.08 -20.44	55.73 2.64 -15.87	45.57 2.29 -6.97
CH_MIDHUDSON___DRP 24192	42.02 3.04 -2.34	38.87 2.68 0.00	36.21 2.46 0.00	33.94 2.25 0.00	33.30 2.21 0.00	36.11 2.39 0.00	41.20 2.65 -2.31	41.84 2.83 -2.70	45.03 3.32 -2.17	48.95 3.88 0.00	52.80 4.31 0.00	57.58 4.75 0.00	67.71 5.69 -0.88	79.25 6.79 -3.92	115.48 6.97 -40.82	136.51 9.15 -38.56	146.56 9.16 -48.46	167.64 9.33 -65.04	129.12 8.27 -37.30	91.38 5.45 -29.19	70.65 4.60 -15.47	69.39 3.76 -22.92	58.15 3.05 -17.88	46.89 2.72 -7.85
CH_MISC_IPPS 23765	42.22 3.30 -2.28	38.98 2.79 0.00	36.42 2.67 0.00	34.16 2.47 0.00	33.49 2.39 0.00	36.31 2.60 0.00	41.36 2.86 -2.26	42.00 3.05 -2.64	45.29 3.64 -2.12	49.31 4.24 0.00	53.18 4.70 0.00	58.06 5.23 0.00	68.18 6.24 -0.80	79.68 7.47 -3.66	114.78 7.65 -39.45	135.98 10.03 -37.15	145.77 10.05 -46.78	166.48 10.26 -62.95	128.47 9.03 -35.90	90.81 5.96 -28.11	70.50 5.01 -14.91	69.07 4.06 -22.30	58.04 3.31 -17.51	46.91 2.91 -7.69
CH_RES_BVR_FALLS 23983	35.87 -0.77 0.00	35.58 -0.62 0.00	33.25 -0.51 0.00	31.21 -0.47 0.00	30.63 -0.47 0.00	33.24 -0.47 0.00	35.74 -0.51 0.00	35.81 -0.51 0.00	38.86 -0.67 0.00	44.22 -0.86 0.00	47.72 -0.97 -0.21	52.00 -1.11 -0.29	60.14 -1.29 -0.29	68.08 -1.51 -1.04	66.88 -1.49 -0.68	87.93 -1.95 -1.08	88.07 -1.96 -1.09	92.49 -1.96 -1.19	82.16 -1.67 -0.29	56.09 -1.08 -0.43	49.89 -0.96 -0.28	42.02 -0.73 -0.04	36.62 -0.60 0.00	35.77 -0.54 0.00
CH_RES_NIAGARA 23895	35.28 -1.69 -0.32	33.23 -2.97 0.00	30.88 -2.87 0.00	29.34 -2.34 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.42 -3.27 -0.38	36.48 -3.36 -0.30	41.31 -3.74 0.02	44.30 -3.88 0.31	48.86 -3.96 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.52 -4.94 -4.77	86.36 -6.75 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	53.94 -4.03 -1.23	47.59 -2.98 0.00	43.11 -2.52 -2.92	37.15 -2.46 -2.39	35.40 -1.96 -1.05
CH_RES_SYRACUSE 23985	37.94 0.11 -1.19	37.32 -0.11 -1.23	34.72 -0.23 -1.20	32.11 -0.19 -0.61	31.43 -0.19 -0.52	34.56 -0.23 -1.08	37.34 -0.14 -1.24	37.44 -0.04 -1.16	41.32 0.00 -1.79	47.51 0.09 -2.34	51.15 0.19 -2.48	56.80 0.27 -3.71	65.38 0.37 -3.87	72.79 0.37 -3.90	74.45 0.20 -6.56	98.29 0.36 -9.13	98.82 0.45 -9.43	102.25 0.37 -8.61	88.19 0.34 -4.31	57.76 0.11 -0.91	51.50 0.10 -0.82	44.95 -0.04 -2.28	39.08 -0.04 -1.90	37.85 0.00 -1.53
CLINTON_WT_PWR 323605	35.17 -1.47 0.00	35.14 -1.05 0.00	32.84 -0.91 0.00	30.77 -0.92 0.00	30.19 -0.90 0.00	32.81 -0.91 0.00	35.30 -0.94 0.00	35.41 -0.91 0.00	38.31 -1.23 0.00	43.09 -1.98 0.00	45.77 -2.71 0.00	49.71 -3.12 0.00	57.35 -3.79 0.00	63.28 -4.45 0.82	63.35 -4.33 0.00	82.93 -5.86 0.00	83.25 -5.69 0.00	87.58 -5.69 0.00	78.45 -5.10 0.00	53.68 -3.07 0.00	48.15 -2.43 0.00	41.30 -1.41 0.00	36.32 -0.89 0.00	35.37 -0.94 0.00
CLINTON___LFGE 323618	35.54 -1.10 0.00	35.50 -0.69 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.18 -0.54 0.00	35.77 -0.47 0.00	35.92 -0.40 0.00	38.78 -0.75 0.00	43.32 -1.76 0.00	45.60 -2.71 0.17	49.48 -3.12 0.23	57.18 -3.73 0.23	62.71 -4.53 1.31	62.80 -4.33 0.55	81.87 -6.04 0.88	82.10 -5.96 0.88	86.44 -5.87 0.96	78.05 -5.26 0.23	53.45 -2.95 0.35	48.18 -2.17 0.23	41.70 -0.98 0.03	36.77 -0.44 0.00	35.81 -0.51 0.00
COBBLENY_34_KV_TB1 80064	36.27 -0.73 -0.37	34.56 -1.63 0.00	32.10 -1.65 0.00	30.45 -1.24 0.00	29.85 -1.24 0.00	32.10 -1.62 0.00	34.54 -2.07 -0.37	34.82 -1.92 -0.43	38.39 -1.50 -0.35	43.57 -1.49 0.02	46.31 -1.89 0.28	51.08 -1.74 0.00	58.56 -2.02 0.56	67.23 -1.58 -0.26	71.61 -1.49 -5.41	91.37 -2.31 -4.88	92.96 -2.31 -6.33	99.58 -2.52 -8.83	86.04 -1.92 -4.42	58.61 -1.59 -3.46	51.80 -0.56 -1.78	45.08 -0.94 -3.31	38.81 -1.12 -2.71	36.67 -0.84 -1.19
COFFEEN___115KV_TB3 355620	37.43 -0.15 -0.94	36.91 -0.33 -1.04	34.36 -0.41 -1.02	31.85 -0.35 -0.51	31.25 -0.28 -0.44	34.36 -0.27 -0.91	37.27 0.04 -0.99	37.26 0.04 -0.91	40.97 -0.08 -1.51	46.97 -0.09 -1.99	48.81 -0.34 -0.67	53.52 -0.37 -1.07	61.92 -0.55 -1.33	65.60 -1.65 1.30	65.47 -1.90 0.32	85.45 -2.40 0.95	85.58 -2.40 0.96	88.31 -2.15 2.81	83.27 -1.42 -1.15	53.52 -0.68 2.54	48.98 -0.30 1.29	43.40 -0.34 -1.03	37.73 -0.60 -1.11	37.32 -0.07 -1.07
COLDSPRG_115KV_BK1 355956	36.81 -0.22 -0.39	35.29 -0.90 0.00	32.74 -1.01 0.00	31.08 -0.60 0.00	30.47 -0.62 0.00	32.91 -0.81 0.00	35.54 -1.09 -0.38	36.07 -0.69 -0.45	39.87 -0.04 -0.37	45.64 0.59 0.02	48.41 0.19 0.27	53.25 0.42 0.00	61.15 0.55 0.54	70.19 1.37 -0.27	74.81 1.49 -5.64	95.22 1.33 -5.09	96.96 1.42 -6.60	103.78 1.31 -9.20	89.58 1.42 -4.62	60.81 0.45 -3.61	53.76 1.31 -1.87	46.54 0.38 -3.45	40.12 0.07 -2.82	37.84 0.29 -1.24
COLONIE_LFGE___ 323577	41.77 2.16 -2.97	38.15 1.95 0.00	35.57 1.82 0.00	33.40 1.71 0.00	32.74 1.65 0.00	35.54 1.82 0.00	41.20 2.03 -2.93	41.80 2.07 -3.42	50.09 2.37 -8.18	47.83 2.75 0.00	51.34 2.86 0.00	55.89 3.06 0.00	72.76 3.61 -8.01	94.85 4.11 -22.19	163.35 3.99 -91.67	192.51 5.33 -98.39	207.91 5.43 -113.55	234.20 5.78 -135.15	225.57 5.27 -136.76	172.99 3.58 -112.67	124.50 3.14 -70.79	82.51 2.56 -37.24	62.09 2.16 -22.71	48.28 2.00 -9.97
COOPERNY_115KV_TB1 80082	40.03 1.83 -1.56	37.75 1.56 0.00	35.20 1.45 0.00	33.02 1.33 0.00	32.40 1.31 0.00	35.10 1.38 0.00	39.34 1.56 -1.54	39.82 1.71 -1.80	42.98 2.02 -1.43	47.42 2.34 0.00	51.10 2.62 0.00	55.73 2.91 0.00	64.63 3.48 0.00	73.80 4.11 -1.14	95.78 4.26 -23.83	115.90 5.59 -21.51	122.43 5.60 -27.89	137.86 5.69 -38.90	108.95 5.01 -20.39	76.19 3.29 -16.15	61.97 2.73 -8.66	59.52 2.22 -14.59	50.89 1.75 -11.92	43.11 1.56 -5.23
COPENHAGEN_WT_PWR 323753	37.18 -0.44 -0.98	36.71 -0.58 -1.09	34.17 -0.64 -1.07	31.66 -0.57 -0.54	31.05 -0.50 -0.46	34.17 -0.50 -0.96	36.98 -0.29 -1.03	37.01 -0.25 -0.95	40.72 -0.40 -1.58	46.71 -0.45 -2.08	48.67 -0.68 -0.87	53.38 -0.79 -1.35	61.79 -0.98 -1.63	65.76 -1.92 0.86	65.77 -2.10 -0.18	85.98 -2.66 0.15	86.11 -2.67 0.17	88.71 -2.51 2.04	83.13 -1.84 -1.42	53.39 -1.02 2.33	48.68 -0.76 1.14	43.13 -0.69 -1.10	37.55 -0.82 -1.15	37.04 -0.40 -1.12
CORNELL_____ 23752	38.63 0.99 -1.00	37.49 0.65 -0.64	34.92 0.54 -0.63	32.57 0.57 -0.32	31.95 0.59 -0.27	34.89 0.61 -0.56	38.04 0.76 -1.04	38.32 0.94 -1.06	42.05 1.07 -1.45	47.55 1.26 -1.21	51.02 1.26 -1.28	56.49 1.58 -2.07	65.02 1.90 -1.99	73.10 1.99 -2.56	78.84 1.90 -9.26	101.61 2.58 -10.24	103.31 2.49 -11.88	110.11 2.80 -14.04	93.90 2.76 -7.60	63.37 1.76 -4.87	55.31 1.77 -2.96	48.60 1.28 -4.61	41.91 0.93 -3.76	39.35 1.02 -2.02

CORONA_69_KV_TB1 355595	86.03 4.03 -45.36	62.30 3.62 -22.49	54.62 3.38 -17.50	49.80 3.11 -15.01	45.61 3.02 -11.50	49.61 3.27 -12.62	45.57 3.52 -5.81	50.61 3.78 -10.52	67.01 4.31 -23.17	85.33 4.87 -35.39	97.93 5.48 -43.97	102.30 6.13 -43.34	103.90 7.28 -35.48	140.96 8.77 -63.64	199.01 9.27 -122.06	190.35 12.08 -89.47	231.52 12.01 -130.58	248.01 12.22 -142.52	154.85 10.86 -60.44	114.35 7.21 -50.40	108.17 5.87 -51.72	103.80 4.78 -56.31	97.59 4.02 -56.36	97.53 3.52 -57.69
CORTLAND_115KV_TB3 80093	38.44 0.84 -0.96	37.34 0.51 -0.64	34.81 0.44 -0.62	32.44 0.44 -0.31	31.83 0.47 -0.27	34.75 0.47 -0.56	37.85 0.62 -0.99	38.04 0.73 -1.00	41.78 0.87 -1.37	47.32 1.04 -1.20	50.70 1.07 -1.15	55.95 1.27 -1.86	64.53 1.59 -1.80	72.23 1.58 -2.11	77.55 1.56 -8.31	99.89 2.04 -9.05	101.64 2.13 -10.56	108.05 2.33 -12.45	92.77 2.26 -6.97	62.36 1.36 -4.25	54.58 1.42 -2.59	47.98 0.98 -4.29	41.44 0.71 -3.51	39.02 0.80 -1.91
COXSACKIE___GT 23611	42.50 3.11 -2.75	39.27 3.07 0.00	36.55 2.80 0.00	34.28 2.60 0.00	33.70 2.61 0.00	36.58 2.86 0.00	41.96 3.01 -2.71	42.31 2.83 -3.17	47.07 3.09 -4.45	48.50 3.42 0.00	51.88 3.39 0.00	55.84 3.01 0.00	55.10 3.48 9.52	50.60 3.84 21.78	58.36 3.72 13.05	63.46 5.06 30.40	71.80 5.61 22.75	95.97 6.81 4.10	67.09 6.35 22.80	49.72 4.20 11.23	55.05 3.89 -0.58	60.13 2.99 -14.43	60.66 2.42 -21.03	47.94 2.40 -9.23
CPV_VALLEY___CC1 323721	40.69 2.16 -1.89	37.93 1.74 0.00	35.44 1.69 0.00	33.24 1.55 0.00	32.62 1.52 0.00	35.33 1.62 0.00	39.92 1.81 -1.87	40.49 2.00 -2.18	43.63 2.37 -1.72	47.83 2.75 0.00	51.59 3.11 0.00	56.31 3.49 0.00	66.03 4.16 -0.73	76.76 5.00 -3.21	106.02 5.21 -33.12	126.95 6.84 -31.32	135.12 6.85 -39.33	152.92 6.90 -52.75	119.73 6.10 -30.09	84.27 4.03 -23.49	66.24 3.29 -12.38	63.96 2.69 -18.56	53.72 2.16 -14.35	44.43 1.81 -6.30
CPV_VALLEY___CC2 323722	40.69 2.16 -1.89	37.93 1.74 0.00	35.44 1.69 0.00	33.24 1.55 0.00	32.62 1.52 0.00	35.33 1.62 0.00	39.92 1.81 -1.87	40.49 2.00 -2.18	43.63 2.37 -1.72	47.83 2.75 0.00	51.59 3.11 0.00	56.31 3.49 0.00	66.03 4.16 -0.73	76.76 5.00 -3.21	106.02 5.21 -33.12	126.95 6.84 -31.32	135.12 6.85 -39.33	152.92 6.90 -52.75	119.73 6.10 -30.09	84.27 4.03 -23.49	66.24 3.29 -12.38	63.96 2.69 -18.56	53.72 2.16 -14.35	44.43 1.81 -6.30
CRESCENT___HYD 24018	41.77 2.16 -2.97	38.15 1.95 0.00	35.57 1.82 0.00	33.40 1.71 0.00	32.74 1.65 0.00	35.54 1.82 0.00	41.20 2.03 -2.93	41.80 2.07 -3.42	50.09 2.37 -8.18	47.83 2.75 0.00	51.34 2.86 0.00	55.89 3.06 0.00	72.76 3.61 -8.01	94.85 4.11 -22.19	163.35 5.33 -91.67	192.51 5.43 -98.39	207.91 5.43 -113.55	234.20 5.78 -135.15	225.57 5.27 -136.76	172.99 3.58 -112.67	124.50 3.14 -70.79	82.51 2.56 -37.24	62.09 2.16 -22.71	48.28 2.00 -9.97
CRICKET___VALLEY_CC1 323756	41.75 2.67 -2.43	38.48 2.28 0.00	35.94 2.19 0.00	33.72 2.03 0.00	33.05 1.96 0.00	35.84 2.13 0.00	40.97 2.32 -2.41	41.63 2.50 -2.81	44.81 2.93 -2.34	48.46 3.38 0.00	52.17 3.68 0.00	56.89 4.07 0.00	67.49 4.83 -1.52	79.95 5.82 -5.59	119.61 5.89 -46.04	141.04 7.72 -44.52	151.74 7.73 -55.06	173.60 7.92 -72.40	134.54 7.02 -43.98	95.71 4.65 -34.31	72.72 3.89 -18.25	70.64 3.33 -24.60	58.78 2.87 -18.69	46.99 2.47 -8.21
CRICKET___VALLEY_CC2 323757	41.75 2.67 -2.43	38.48 2.28 0.00	35.94 2.19 0.00	33.72 2.03 0.00	33.05 1.96 0.00	35.84 2.13 0.00	40.97 2.32 -2.41	41.63 2.50 -2.81	44.81 2.93 -2.34	48.46 3.38 0.00	52.17 3.68 0.00	56.89 4.07 0.00	67.49 4.83 -1.52	79.95 5.82 -5.59	119.61 5.89 -46.04	141.04 7.72 -44.52	151.74 7.73 -55.06	173.60 7.92 -72.40	134.54 7.02 -43.98	95.71 4.65 -34.31	72.72 3.89 -18.25	70.64 3.33 -24.60	58.78 2.87 -18.69	46.99 2.47 -8.21
CRICKET___VALLEY_CC3 323758	41.75 2.67 -2.43	38.48 2.28 0.00	35.94 2.19 0.00	33.72 2.03 0.00	33.05 1.96 0.00	35.84 2.13 0.00	40.97 2.32 -2.41	41.63 2.50 -2.81	44.81 2.93 -2.34	48.46 3.38 0.00	52.17 3.68 0.00	56.89 4.07 0.00	67.49 4.83 -1.52	79.95 5.82 -5.59	119.61 5.89 -46.04	141.04 7.72 -44.52	151.74 7.73 -55.06	173.60 7.92 -72.40	134.54 7.02 -43.98	95.71 4.65 -34.31	72.72 3.89 -18.25	70.64 3.33 -24.60	58.78 2.87 -18.69	46.99 2.47 -8.21
CRUCIBLE_METL_DRP 24180	37.94 0.11 -1.19	37.25 -0.18 -1.23	34.72 -0.24 -1.20	32.10 -0.19 -0.61	31.42 -0.19 -0.52	34.56 -0.24 -1.08	37.34 -0.14 -1.24	37.44 -0.04 -1.16	41.32 0.00 -1.79	47.51 0.09 -2.34	51.15 0.19 -2.48	56.80 0.26 -3.71	65.38 0.37 -3.87	72.79 0.34 -3.90	74.51 0.27 -6.56	98.28 0.36 -9.13	98.82 0.44 -9.43	102.25 0.37 -8.61	88.19 0.33 -4.31	57.76 0.11 -0.91	51.55 0.15 -0.82	45.03 0.04 -2.28	39.08 -0.04 -1.90	37.85 0.00 -1.53
DAHOWA___HYDRO 323763	42.36 2.71 -3.01	38.73 2.53 0.00	36.05 2.30 0.00	33.81 2.12 0.00	33.18 2.08 0.00	36.04 2.32 0.00	41.86 2.64 -2.98	42.44 2.65 -3.47	51.83 3.09 -9.21	48.59 3.52 0.00	51.98 3.49 0.00	56.68 3.85 0.00	70.72 4.52 -5.05	87.98 4.59 -14.84	147.39 4.40 -75.30	172.49 5.86 -77.84	186.98 5.96 -92.08	214.05 7.00 -113.78	211.99 6.60 -121.84	164.83 4.54 -103.54	123.70 4.30 -68.83	80.32 3.42 -34.19	63.01 2.72 -23.08	48.95 2.50 -10.13
DANC___LFGE 323619	37.42 -0.44 -1.22	36.98 -0.58 -1.37	34.41 -0.67 -1.34	31.76 -0.60 -0.68	31.14 -0.53 -0.58	34.34 -0.57 -1.20	37.13 -0.40 -1.29	37.09 -0.40 -1.18	41.05 -0.47 -1.98	47.19 -0.49 -2.61	49.82 -0.63 -1.97	54.97 -0.74 -2.88	63.48 -0.92 -3.26	68.58 -1.51 -1.55	68.95 -1.69 -2.95	90.89 -2.13 -4.23	90.98 -2.14 -4.18	93.41 -2.05 -2.19	84.89 -1.59 -2.93	54.61 -0.96 1.17	49.60 -0.71 0.27	43.55 -0.64 -1.48	37.89 -0.71 -1.38	37.29 -0.40 -1.38
DANSKAMMER___1 23586	42.22 3.30 -2.28	38.98 2.79 0.00	36.42 2.67 0.00	34.16 2.47 0.00	33.49 2.39 0.00	36.31 2.60 0.00	41.36 2.86 -2.26	42.00 3.05 -2.64	45.29 3.64 -2.12	49.31 4.24 0.00	53.18 4.70 0.00	58.06 5.23 0.00	68.18 6.24 -0.80	79.68 7.47 -3.66	114.78 7.65 -39.45	135.98 10.03 -37.15	145.77 10.05 -46.78	166.48 10.26 -62.95	128.47 9.03 -35.90	90.81 5.96 -28.11	70.50 5.01 -14.91	69.07 4.06 -22.30	58.04 3.31 -17.51	46.91 2.91 -7.69
DANSKAMMER___2 23589	42.22 3.30 -2.28	38.98 2.79 0.00	36.42 2.67 0.00	34.16 2.47 0.00	33.49 2.39 0.00	36.31 2.60 0.00	41.36 2.86 -2.26	42.00 3.05 -2.64	45.29 3.64 -2.12	49.31 4.24 0.00	53.18 4.70 0.00	58.06 5.23 0.00	68.18 6.24 -0.80	79.68 7.47 -3.66	114.78 7.65 -39.45	135.98 10.03 -37.15	145.77 10.05 -46.78	166.48 10.26 -62.95	128.47 9.03 -35.90	90.81 5.96 -28.11	70.50 5.01 -14.91	69.07 4.06 -22.30	58.04 3.31 -17.51	46.91 2.91 -7.69
DANSKAMMER___3 23590	42.22 3.30 -2.28	38.98 2.79 0.00	36.42 2.67 0.00	34.16 2.47 0.00	33.49 2.39 0.00	36.31 2.60 0.00	41.36 2.86 -2.26	42.00 3.05 -2.64	45.29 3.64 -2.12	49.31 4.24 0.00	53.18 4.70 0.00	58.06 5.23 0.00	68.18 6.24 -0.80	79.68 7.47 -3.66	114.78 7.65 -39.45	135.98 10.03 -37.15	145.77 10.05 -46.78	166.48 10.26 -62.95	128.47 9.03 -35.90	90.81 5.96 -28.11	70.50 5.01 -14.91	69.07 4.06 -22.30	58.04 3.31 -17.51	46.91 2.91 -7.69

DANSKAMMER___4 23591	42.22 3.30 -2.28	38.98 2.79 0.00	36.42 2.67 0.00	34.16 2.47 0.00	33.49 2.39 0.00	36.31 2.60 0.00	41.36 2.86 -2.26	42.00 3.05 -2.64	45.29 3.64 -2.12	49.31 4.24 0.00	53.18 4.70 0.00	58.06 5.23 0.00	68.18 6.24 -0.80	79.68 7.47 -3.66	114.78 7.65 -39.45	135.98 10.03 -37.15	145.77 10.05 -46.78	166.48 10.26 -62.95	128.47 9.03 -35.90	90.81 5.96 -28.11	70.50 5.01 -14.91	69.07 4.06 -22.30	58.04 3.31 -17.51	46.91 2.91 -7.69
DANSKAMMER___DIESEL 23592	42.22 3.30 -2.28	39.09 2.90 0.00	36.42 2.67 0.00	34.13 2.44 0.00	33.49 2.39 0.00	36.31 2.60 0.00	41.37 2.86 -2.26	42.00 3.05 -2.64	45.29 3.64 -2.12	49.31 4.24 0.00	53.19 4.70 0.00	58.06 5.23 0.00	68.17 6.24 -0.80	79.67 7.47 -3.66	114.78 7.65 -39.45	135.98 10.03 -37.15	145.77 10.05 -46.78	166.48 10.26 -62.95	128.46 9.02 -35.90	90.81 5.96 -28.11	70.49 5.01 -14.91	69.07 4.06 -22.30	57.97 3.28 -17.48	46.89 2.91 -7.67
DARBY___SOLAR 323810	42.21 2.56 -3.01	38.62 2.43 0.00	35.94 2.19 0.00	33.72 2.03 0.00	33.05 1.96 0.00	35.91 2.19 0.00	41.71 2.50 -2.97	42.32 2.54 -3.47	51.59 2.97 -9.09	48.46 3.38 0.00	51.88 3.39 0.00	56.52 3.70 0.00	70.92 4.34 -5.43	88.85 4.52 -15.78	149.42 4.34 -77.40	175.04 5.77 -80.47	189.64 5.87 -94.83	216.50 6.72 -116.51	213.66 6.27 -123.84	165.85 4.31 -104.80	123.73 3.99 -69.16	80.49 3.20 -34.58	62.81 2.57 -23.03	48.78 2.36 -10.11
DASHVILLE___HYD 23610	41.40 2.38 -2.38	38.65 2.46 0.00	36.05 2.30 0.00	33.78 2.09 0.00	33.14 2.05 0.00	35.91 2.19 0.00	40.59 1.99 -2.35	41.28 2.22 -2.75	44.94 2.73 -2.67	48.64 3.56 0.00	52.46 3.98 0.00	57.37 4.54 0.00	65.06 5.93 2.01	72.40 7.13 3.27	99.86 7.38 -24.80	116.84 9.59 -18.45	126.08 9.69 -27.44	147.17 9.79 -44.11	111.41 8.61 -19.26	79.16 5.62 -16.80	65.90 4.75 -10.57	66.51 3.89 -19.91	57.86 2.42 -18.22	46.38 2.07 -8.00
DEERFIELD_69_KV_DEERFIELD LD 355887	87.02 5.02 -45.36	63.10 4.42 -22.49	55.16 3.92 -17.50	50.21 3.52 -15.01	46.01 3.42 -11.50	50.08 3.74 -12.62	46.11 4.06 -5.81	51.48 4.65 -10.52	68.36 5.65 -23.17	86.96 6.49 -35.39	105.37 7.37 -49.52	128.64 8.24 -67.57	129.48 9.66 -58.68	158.05 11.45 -78.05	201.26 11.98 -121.60	251.41 15.10 -147.52	257.89 14.94 -154.00	302.55 15.30 -193.98	255.16 13.70 -157.91	238.28 9.14 -172.39	214.80 8.09 -156.13	147.69 6.41 -98.57	98.79 5.21 -56.36	98.70 4.68 -57.70
DELAWARE___LFGE 323621	39.32 1.61 -1.07	37.85 1.45 -0.21	35.30 1.35 -0.20	33.09 1.30 -0.10	32.45 1.27 -0.09	35.28 1.38 -0.18	38.93 1.59 -1.09	39.13 1.60 -1.22	43.33 1.82 -1.98	47.67 2.21 -0.38	51.16 2.33 -0.35	58.97 4.49 -1.66	67.70 5.01 -1.55	75.30 4.52 -2.24	83.38 4.40 -11.29	106.26 5.77 -11.69	108.77 5.78 -14.05	117.18 6.34 -17.57	98.78 5.85 -9.39	67.01 3.75 -6.52	58.04 3.69 -3.78	51.55 2.78 -6.06	44.14 2.01 -4.92	41.31 2.54 -2.45
DERFIELD_115KV_TB7 355931	37.08 0.44 0.00	36.56 0.36 0.00	34.09 0.34 0.00	32.00 0.32 0.00	31.40 0.31 0.00	34.05 0.34 0.00	36.64 0.40 0.00	36.71 0.40 0.00	40.01 0.47 0.00	45.66 0.59 0.00	48.98 0.63 0.13	53.33 0.69 0.18	61.75 0.79 0.18	69.08 0.89 0.35	68.13 0.88 0.44	89.17 1.07 0.69	89.31 1.07 0.70	93.63 1.12 0.76	84.36 1.00 0.18	57.15 0.68 0.27	51.00 0.61 0.18	43.20 0.51 0.03	37.59 0.37 0.00	36.71 0.40 0.00
DOGLEVILLE___HYD 23807	37.99 1.36 0.00	37.42 1.23 0.00	34.86 1.11 0.00	32.73 1.04 0.00	32.12 1.02 0.00	34.86 1.15 0.00	37.55 1.30 0.00	37.62 1.31 0.00	41.00 1.46 0.00	46.83 1.76 0.00	50.24 1.89 0.13	54.70 2.06 0.18	63.34 2.38 0.18	70.59 2.40 0.35	69.62 2.37 0.44	91.12 3.02 0.69	91.27 3.03 0.70	95.77 3.26 0.76	86.36 3.00 0.18	58.46 1.99 0.27	52.22 1.82 0.18	44.18 1.49 0.03	38.44 1.23 0.00	37.66 1.34 0.00
DUNKIRK___115KV_TB_200 55889	36.67 -0.33 -0.37	34.89 -1.30 0.00	32.40 -1.35 0.00	30.77 -0.92 0.00	30.16 -0.93 0.00	32.50 -1.21 0.00	35.16 -1.45 -0.36	35.47 -1.27 -0.42	39.09 -0.79 -0.35	44.38 -0.68 0.02	47.28 -0.92 0.28	52.14 -0.69 0.00	59.84 -0.73 0.57	68.67 -0.14 -0.26	72.99 -0.07 -5.37	93.20 -0.44 -4.85	94.87 -0.36 -6.29	101.48 -0.56 -8.77	87.76 -0.17 -4.39	59.67 -0.51 -3.43	52.60 0.25 -1.77	45.79 -0.21 -3.29	39.43 -0.48 -2.69	37.20 -0.29 -1.18
DUNKIRK___1 23563	36.67 -0.33 -0.37	34.89 -1.30 0.00	32.40 -1.35 0.00	30.77 -0.92 0.00	30.16 -0.93 0.00	32.50 -1.21 0.00	35.16 -1.45 -0.36	35.47 -1.27 -0.42	39.09 -0.79 -0.35	44.38 -0.68 0.02	47.28 -0.92 0.28	52.14 -0.69 0.00	59.84 -0.73 0.57	68.67 -0.14 -0.26	72.99 -0.07 -5.37	93.20 -0.44 -4.85	94.87 -0.36 -6.29	101.48 -0.56 -8.77	87.76 -0.17 -4.39	59.67 -0.51 -3.43	52.60 0.25 -1.77	45.79 -0.21 -3.29	39.43 -0.48 -2.69	37.20 -0.29 -1.18
DUNKIRK___2 23564	36.67 -0.33 -0.37	34.89 -1.30 0.00	32.40 -1.35 0.00	30.77 -0.92 0.00	30.16 -0.93 0.00	32.50 -1.21 0.00	35.16 -1.45 -0.36	35.47 -1.27 -0.42	39.09 -0.79 -0.35	44.38 -0.68 0.02	47.28 -0.92 0.28	52.14 -0.69 0.00	59.84 -0.73 0.57	68.67 -0.14 -0.26	72.99 -0.07 -5.37	93.20 -0.44 -4.85	94.87 -0.36 -6.29	101.48 -0.56 -8.77	87.76 -0.17 -4.39	59.67 -0.51 -3.43	52.60 0.25 -1.77	45.79 -0.21 -3.29	39.43 -0.48 -2.69	37.20 -0.29 -1.18
DUNKIRK___3 23565	36.42 -0.59 -0.36	34.71 -1.48 0.00	32.23 -1.52 0.00	30.61 -1.08 0.00	29.97 -1.12 0.00	32.30 -1.42 0.00	34.86 -1.74 -0.36	35.14 -1.60 -0.42	38.74 -1.15 -0.35	43.98 -1.08 0.02	46.80 -1.41 0.28	51.61 -1.22 0.00	59.23 -1.35 0.57	67.98 -0.82 -0.26	72.30 -0.74 -5.36	92.30 -1.33 -4.84	93.88 -1.33 -6.27	100.53 -1.49 -8.75	86.83 -1.09 -4.37	59.15 -1.02 -3.42	52.14 -0.20 -1.77	45.39 -0.60 -3.28	39.08 -0.82 -2.68	36.91 -0.58 -1.18
DUNKIRK___4 23566	36.42 -0.59 -0.36	34.71 -1.48 0.00	32.23 -1.52 0.00	30.61 -1.08 0.00	29.97 -1.12 0.00	32.30 -1.42 0.00	34.86 -1.74 -0.36	35.14 -1.60 -0.42	38.74 -1.15 -0.35	43.98 -1.08 0.02	46.80 -1.41 0.28	51.61 -1.22 0.00	59.23 -1.35 0.57	67.98 -0.82 -0.26	72.30 -0.74 -5.36	92.30 -1.33 -4.84	93.88 -1.33 -6.27	100.53 -1.49 -8.75	86.83 -1.09 -4.37	59.15 -1.02 -3.42	52.14 -0.20 -1.77	45.39 -0.60 -3.28	39.08 -0.82 -2.68	36.91 -0.58 -1.18
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	42.18 3.26 -2.28	39.09 2.90 0.00	36.38 2.63 0.00	34.13 2.44 0.00	33.46 2.36 0.00	36.28 2.56 0.00	41.33 2.83 -2.26	42.07 3.12 -2.63	45.26 3.64 -2.09	49.27 4.19 0.00	53.19 4.70 0.00	58.06 5.23 0.00	68.40 6.18 -1.09	80.47 7.54 -4.39	116.89 7.99 -41.22	138.50 10.39 -39.31	148.25 10.23 -49.08	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.55	71.07 4.96 -15.54	69.40 4.01 -22.67	58.08 3.39 -17.48	46.89 2.91 -7.67
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	41.69 2.86 -2.19	38.65 2.46 0.00	36.05 2.30 0.00	33.78 2.09 0.00	33.14 2.05 0.00	35.94 2.23 0.00	40.84 2.43 -2.17	41.49 2.65 -2.53	44.70 3.12 -2.04	48.73 3.65 0.00	52.55 4.07 0.00	57.37 4.54 0.00	67.27 5.44 -0.69	78.39 6.51 -3.34	111.96 6.77 -37.51	132.88 8.88 -35.20	142.26 8.89 -44.43	162.28 9.05 -59.97	125.45 7.94 -33.97	88.59 5.22 -26.63	69.07 4.35 -14.14	67.55 3.50 -21.34	56.79 2.79 -16.78	46.15 2.47 -7.37

E179THST_138_KV_TB4_REV_LBMP_J 345001	42.52 3.59 -2.29	39.42 3.22 -0.01	36.76 3.00 -0.01	34.48 2.79 -0.01	33.77 2.67 -0.01	36.51 2.80 0.00	41.36 2.86 -2.26	42.22 3.27 -2.63	45.30 3.68 -2.09	48.99 3.92 0.01	53.08 4.61 0.01	58.15 5.34 0.01	68.45 6.24 -1.08	80.20 7.27 -4.39	117.02 8.12 -41.21	138.69 10.57 -39.32	148.16 10.14 -49.07	168.84 10.26 -65.31	130.42 8.94 -37.94	92.26 5.96 -29.55	70.81 4.70 -15.53	69.23 3.84 -22.68	58.09 3.39 -17.48	46.89 2.91 -7.67
E179THST_13_KV_LOAD 356214	42.81 3.88 -2.29	39.68 3.47 -0.01	37.00 3.24 -0.01	34.67 2.98 -0.01	33.96 2.86 -0.01	36.75 3.03 0.00	41.58 3.08 -2.26	42.47 3.52 -2.63	45.62 3.99 -2.09	49.31 4.24 0.01	53.47 4.99 0.01	58.58 5.76 0.01	68.94 6.73 -1.08	80.81 7.88 -4.39	117.63 8.73 -41.21	139.48 11.37 -39.32	149.04 11.03 -49.07	169.68 11.10 -65.31	131.26 9.77 -37.94	92.77 6.47 -29.55	71.26 5.16 -15.53	69.57 4.19 -22.68	58.39 3.68 -17.48	47.15 3.16 -7.67
EAST HAMPTON___GT 23717	86.94 4.94 -45.36	62.88 4.20 -22.49	55.03 3.78 -17.50	50.05 3.36 -15.01	45.86 3.26 -11.50	49.91 3.57 -12.62	45.89 3.84 -5.81	51.26 4.43 -10.52	68.24 5.53 -23.17	86.91 6.45 -35.39	105.46 7.46 -49.52	128.74 8.34 -67.57	129.61 9.78 -58.69	158.20 11.59 -78.07	201.35 12.05 -121.61	250.63 14.30 -147.54	257.28 14.32 -154.01	301.91 14.64 -193.99	254.51 13.03 -157.94	237.79 8.62 -172.42	214.72 7.99 -156.16	147.66 6.36 -98.58	98.84 5.10 -56.53	98.63 4.54 -57.77
EAST RIVER___6 23660	42.33 3.41 -2.28	39.02 2.82 0.00	36.45 2.70 0.00	34.19 2.50 0.00	33.49 2.39 0.00	36.35 2.63 0.00	41.44 2.93 -2.26	42.29 3.34 -2.63	45.54 3.91 -2.09	49.58 4.51 0.00	53.52 5.04 0.00	58.48 5.66 0.00	68.89 6.67 -1.09	80.81 7.88 -4.39	117.36 8.46 -41.21	138.94 10.83 -39.31	148.59 10.58 -49.07	169.21 10.63 -65.31	130.83 9.36 -37.93	92.59 6.30 -29.54	71.07 4.96 -15.54	69.35 3.97 -22.67	58.39 3.54 -17.63	47.00 2.94 -7.74
EAST RIVER___7 23524	42.33 3.41 -2.28	39.02 2.82 0.00	36.45 2.70 0.00	34.19 2.50 0.00	33.49 2.39 0.00	36.35 2.63 0.00	41.44 2.93 -2.26	42.29 3.34 -2.63	45.54 3.91 -2.09	49.58 4.51 0.00	53.52 5.04 0.00	58.48 5.66 0.00	68.89 6.67 -1.09	80.81 7.88 -4.39	117.36 8.46 -41.21	138.94 10.83 -39.31	148.59 10.58 -49.07	169.21 10.63 -65.31	130.83 9.36 -37.93	92.59 6.30 -29.54	71.07 4.96 -15.54	69.35 3.97 -22.67	58.39 3.54 -17.63	47.00 2.94 -7.74
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	42.07 3.15 -2.28	38.98 2.79 0.00	36.28 2.53 0.00	34.03 2.34 0.00	33.36 2.27 0.00	36.18 2.46 0.00	41.21 2.72 -2.25	41.96 3.01 -2.63	45.14 3.52 -2.08	49.13 4.06 0.00	53.04 4.56 0.00	57.90 5.07 0.00	68.21 5.99 -1.08	80.25 7.33 -4.37	116.50 7.72 -41.10	138.03 10.03 -39.20	147.84 9.96 -48.93	168.56 10.17 -65.12	130.30 8.94 -37.82	92.11 5.90 -29.46	70.87 4.80 -15.49	69.20 3.89 -22.61	57.92 3.28 -17.43	46.76 2.80 -7.65
EAST_HAMPTON___DIESEL 23722	86.83 4.84 -45.36	62.77 4.09 -22.49	54.93 3.68 -17.50	49.96 3.26 -15.01	45.77 3.17 -11.50	49.81 3.47 -12.62	45.82 3.77 -5.81	51.15 4.32 -10.52	68.12 5.42 -23.17	86.77 6.31 -35.39	105.32 7.32 -49.52	128.59 8.19 -67.57	129.42 9.60 -58.68	158.06 11.45 -78.07	201.14 11.84 -121.61	250.45 14.12 -147.54	257.00 14.05 -154.01	301.72 14.46 -193.99	254.26 12.78 -157.93	237.67 8.51 -172.42	214.62 7.89 -156.15	147.53 6.24 -98.58	98.73 4.99 -56.53	98.52 4.43 -57.77
EAST_POINT___SOLAR 323840	43.54 3.55 -3.34	39.52 3.33 0.00	36.72 2.97 0.00	34.47 2.79 0.00	33.83 2.74 0.00	36.72 3.00 0.00	43.21 3.55 -3.41	43.23 2.94 -3.98	50.38 2.53 -8.32	47.46 2.39 0.00	50.61 2.13 0.00	55.84 3.01 0.00	66.25 3.30 -1.81	78.66 3.09 -7.03	133.47 2.91 -62.87	153.15 4.09 -60.27	167.83 3.91 -74.98	199.05 6.43 -99.35	187.64 8.19 -95.90	145.95 6.24 -82.96	112.67 5.76 -56.33	81.66 4.66 -34.30	66.95 3.50 -26.24	51.10 3.27 -11.52
EAST_PULASKI___ESR 323781	37.99 -0.37 -1.71	37.58 -0.58 -1.96	35.02 -0.64 -1.91	32.09 -0.57 -0.97	31.39 -0.53 -0.82	34.86 -0.57 -1.72	37.58 -0.47 -1.81	37.49 -0.47 -1.65	41.86 -0.52 -2.84	48.32 -0.49 -3.74	51.77 -0.53 -3.82	57.61 -0.63 -5.42	66.49 -0.73 -6.09	72.55 -1.03 -5.03	73.29 -1.15 -6.75	97.81 -1.42 -10.44	97.84 -1.33 -10.23	99.37 -1.50 -7.59	87.63 -1.17 -5.25	56.06 -0.79 -0.11	50.84 -0.60 -0.87	44.14 -0.56 -1.98	38.37 -0.56 -1.71	37.77 -0.40 -1.86
EAST_RIVER___1 323558	42.40 3.48 -2.28	39.09 2.90 0.00	36.55 2.80 0.00	34.28 2.60 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.47 2.97 -2.26	42.33 3.38 -2.63	45.50 3.88 -2.09	49.50 4.42 0.00	53.48 4.99 0.00	58.42 5.60 0.00	68.83 6.61 -1.09	80.81 7.88 -4.39	117.29 8.39 -41.21	139.03 10.92 -39.31	148.68 10.67 -49.07	169.30 10.72 -65.31	130.99 9.52 -37.93	92.64 6.35 -29.54	71.12 5.01 -15.54	69.48 4.10 -22.67	58.39 3.54 -17.63	47.03 2.98 -7.74
EAST_RIVER___2 323559	42.33 3.41 -2.28	39.02 2.82 0.00	36.45 2.70 0.00	34.19 2.50 0.00	33.49 2.39 0.00	36.35 2.63 0.00	41.44 2.93 -2.26	42.29 3.34 -2.63	45.54 3.91 -2.09	49.58 4.51 0.00	53.52 5.04 0.00	58.48 5.66 0.00	68.89 6.67 -1.09	80.81 7.88 -4.39	117.36 8.46 -41.21	138.94 10.83 -39.31	148.59 10.58 -49.07	169.21 10.63 -65.31	130.83 9.36 -37.93	92.59 6.30 -29.54	71.07 4.96 -15.54	69.35 3.97 -22.67	58.39 3.54 -17.63	47.00 2.94 -7.74
EAST___DELAWARE_HYD 23607	40.64 1.98 -2.03	37.71 1.52 0.00	35.23 1.48 0.00	33.02 1.33 0.00	32.40 1.31 0.00	35.13 1.42 0.00	39.84 1.59 -2.00	40.40 1.74 -2.34	43.66 2.13 -1.99	47.55 2.48 0.00	51.24 2.76 0.00	56.00 3.17 0.00	64.99 3.85 0.00	74.62 4.59 -1.49	103.49 4.81 -31.00	123.25 6.48 -27.97	131.79 6.58 -36.27	150.67 6.81 -50.59	116.84 5.93 -27.36	82.45 3.86 -21.85	65.76 3.19 -12.00	64.20 2.52 -18.97	54.54 1.82 -15.50	44.71 1.60 -6.80
EIGHT_POINT___WT_PWR 323820	37.21 -0.07 -0.64	35.98 -0.47 -0.26	33.26 -0.74 -0.25	31.30 -0.51 -0.13	30.73 -0.47 -0.11	33.33 -0.61 -0.22	36.07 -0.83 -0.65	36.40 -0.62 -0.70	40.10 -0.24 -0.80	45.50 -0.05 -0.47	48.48 -0.34 -0.34	53.69 0.00 -0.87	61.44 -0.18 -0.48	69.71 -0.07 -1.23	74.12 -0.81 -7.24	94.43 -1.69 -7.32	95.36 -2.49 -8.91	102.50 -2.14 -11.37	88.73 -0.75 -5.94	60.83 -0.11 -4.20	53.44 0.51 -2.36	46.57 -0.13 -3.99	40.43 -0.11 -3.32	38.00 0.07 -1.61
ELBRIDGE_115KV_TB2 80188	37.83 -0.07 -1.26	37.14 -0.36 -1.31	34.62 -0.41 -1.27	31.98 -0.35 -0.64	31.30 -0.34 -0.55	34.49 -0.37 -1.15	37.24 -0.33 -1.32	37.33 -0.22 -1.24	41.23 -0.20 -1.89	47.42 -0.14 -2.48	51.03 -0.10 -2.65	56.74 -0.05 -3.97	65.28 0.00 -4.14	72.75 0.00 -4.21	74.70 -0.07 -7.08	98.56 -0.09 -9.85	99.03 -0.09 -10.18	102.52 -0.09 -9.34	88.16 0.00 -4.62	57.60 -0.17 -1.02	51.43 -0.05 -0.90	45.03 -0.13 -2.45	39.07 -0.19 -2.04	37.81 -0.15 -1.64
ELEC_TRO_TEK 24086	85.73 3.74 -45.36	62.01 3.33 -22.49	54.28 3.04 -17.50	49.51 2.82 -15.01	45.33 2.74 -11.50	49.30 2.97 -12.62	45.31 3.26 -5.81	50.39 3.56 -10.52	66.82 4.11 -23.17	85.24 4.78 -35.39	97.80 5.33 -43.99	102.09 5.92 -43.34	103.66 7.03 -35.48	145.38 8.43 -68.41	206.85 8.93 -130.23	193.82 11.63 -93.39	232.47 11.47 -132.05	248.49 11.75 -143.47	154.35 10.36 -60.44	114.01 6.87 -50.40	107.91 5.61 -51.72	103.59 4.57 -56.31	97.44 3.87 -56.36	97.39 3.38 -57.69

ELLENBURG_WT_PWR 323604	35.17 -1.47 0.00	35.14 -1.05 0.00	32.84 -0.91 0.00	30.77 -0.92 0.00	30.19 -0.90 0.00	32.81 -0.91 0.00	35.30 -0.94 0.00	35.41 -0.91 0.00	38.31 -1.23 0.00	43.09 -1.98 0.00	45.77 -2.71 0.00	49.71 -3.12 0.00	57.35 -3.79 0.00	63.28 -4.45 0.82	63.35 -4.33 0.00	82.93 -5.86 0.00	83.25 -5.69 0.00	87.58 -5.69 0.00	78.45 -5.10 0.00	53.68 -3.07 0.00	48.15 -2.43 0.00	41.30 -1.41 0.00	36.32 -0.89 0.00	35.37 -0.94 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	36.10 -0.88 -0.35	34.31 -1.88 0.00	31.86 -1.89 0.00	30.26 -1.43 0.00	29.63 -1.46 0.00	31.90 -1.82 0.00	34.41 -2.17 -0.34	34.57 -2.14 -0.40	38.01 -1.86 -0.33	43.07 -1.98 0.02	45.96 -2.23 0.29	50.71 -2.11 0.00	58.04 -2.51 0.59	66.66 -2.12 -0.24	70.60 -2.17 -5.08	90.18 -3.20 -4.58	91.68 -3.20 -5.94	98.10 -3.45 -8.28	82.99 -2.76 -2.21	55.95 -2.10 -1.30	49.46 -1.11 0.00	44.62 -1.20 -3.11	38.42 -1.34 -2.54	36.45 -0.98 -1.12
EMPIRE_CC_1 323656	41.23 1.79 -2.80	37.78 1.59 0.00	35.27 1.52 0.00	33.08 1.39 0.00	32.46 1.37 0.00	35.20 1.48 0.00	40.57 1.56 -2.77	41.11 1.56 -3.23	45.05 1.78 -3.73	47.15 2.07 0.00	50.67 2.18 0.00	55.10 2.27 0.00	70.22 2.63 -6.45	89.81 3.09 -18.18	150.88 3.05 -80.15	177.83 4.09 -84.94	191.88 4.09 -98.84	216.72 4.29 -119.16	180.50 3.76 -93.19	132.02 2.61 -72.67	92.79 2.22 -39.99	78.40 1.84 -33.86	60.28 1.60 -21.46	47.23 1.49 -9.42
EMPIRE_CC_2 323658	41.23 1.79 -2.80	37.78 1.59 0.00	35.27 1.52 0.00	33.08 1.39 0.00	32.46 1.37 0.00	35.20 1.48 0.00	40.57 1.56 -2.77	41.11 1.56 -3.23	45.05 1.78 -3.73	47.15 2.07 0.00	50.67 2.18 0.00	55.10 2.27 0.00	70.22 2.63 -6.45	89.81 3.09 -18.18	150.88 3.05 -80.15	177.83 4.09 -84.94	191.88 4.09 -98.84	216.72 4.29 -119.16	180.50 3.76 -93.19	132.02 2.61 -72.67	92.79 2.22 -39.99	78.40 1.84 -33.86	60.28 1.60 -21.46	47.23 1.49 -9.42
ENORWICH_115KV_TB1 80156	40.80 3.11 -1.04	39.35 2.68 -0.48	36.61 2.40 -0.47	34.23 2.31 -0.24	33.63 2.33 -0.20	36.66 2.53 -0.42	40.39 3.08 -1.07	40.65 3.20 -1.14	44.61 3.48 -1.59	50.13 4.15 -0.90	53.49 4.07 -0.93	59.74 5.07 -1.84	68.51 5.62 -1.75	75.94 5.00 -2.39	82.98 4.74 -10.55	106.38 6.39 -11.19	108.71 6.49 -13.27	117.00 7.46 -16.26	99.46 7.18 -8.73	67.41 4.77 -5.90	58.76 4.70 -3.48	51.86 3.63 -5.52	44.30 2.61 -4.48	41.91 3.30 -2.29
ERIE_ST__34_KV_TB1-2 80199	35.90 -1.10 -0.36	34.46 -1.74 0.00	32.00 -1.76 0.00	30.39 -1.30 0.00	29.76 -1.34 0.00	32.03 -1.69 0.00	34.24 -2.36 -0.36	34.51 -2.22 -0.42	38.45 -1.42 -0.34	43.61 -1.44 0.02	46.02 -2.18 0.28	50.82 -2.01 0.00	58.24 -2.32 0.57	67.02 -1.78 -0.25	71.34 -1.62 -5.28	91.08 -2.49 -4.77	92.81 -2.31 -6.18	99.37 -2.52 -8.62	85.85 -2.01 -4.31	58.35 -1.76 -3.37	51.96 -0.35 -1.74	44.75 -1.20 -3.23	38.52 -1.34 -2.64	36.39 -1.09 -1.16
ERIE_WT_PWR 323693	36.22 -0.77 -0.35	35.00 -1.19 0.00	32.03 -1.72 0.00	30.32 -1.36 0.00	29.79 -1.30 0.00	32.06 -1.65 0.00	34.57 -2.03 -0.35	34.69 -2.03 -0.41	38.29 -1.58 -0.34	43.44 -1.62 0.02	46.21 -1.99 0.29	50.93 -1.90 0.00	58.36 -2.20 0.58	67.08 -1.71 -0.25	70.66 -2.23 -5.21	90.83 -2.66 -4.70	92.37 -2.67 -6.09	98.88 -2.89 -8.50	83.56 -2.25 -2.26	56.61 -1.48 -1.34	49.51 -1.06 0.00	44.44 -1.45 -3.19	38.63 -1.19 -2.60	36.59 -0.87 -1.14
ESPRGFLD_115KV_TB1 80157	38.94 2.42 0.12	38.40 2.21 0.00	35.74 1.99 0.00	33.55 1.87 0.00	32.96 1.87 0.00	35.77 2.06 0.00	38.96 2.72 0.00	38.93 2.61 0.00	48.31 2.77 -6.00	48.19 3.11 0.00	51.63 3.15 0.00	56.21 3.38 0.00	66.15 3.73 -1.28	75.43 3.70 -3.19	78.58 3.52 -7.38	102.74 4.80 -9.15	103.11 4.54 -9.63	108.60 5.60 -9.73	143.25 5.76 -53.95	112.11 3.97 -51.39	96.10 3.74 -41.78	47.40 3.08 -1.61	39.41 2.20 0.00	38.49 2.18 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	38.61 0.95 -1.02	37.47 0.62 -0.67	34.91 0.51 -0.65	32.55 0.54 -0.33	31.93 0.56 -0.28	34.87 0.57 -0.58	38.03 0.72 -1.06	38.26 0.87 -1.08	42.00 0.99 -1.48	47.55 1.22 -1.26	50.98 1.16 -1.34	56.45 1.48 -2.14	64.98 1.77 -2.07	73.03 1.85 -2.64	78.78 1.76 -9.34	101.56 2.40 -10.37	103.34 2.40 -12.00	110.10 2.70 -14.12	93.87 2.67 -7.65	63.27 1.65 -4.88	55.23 1.67 -2.98	48.52 1.20 -4.62	41.87 0.89 -3.76	39.33 0.98 -2.03
ETNA____115KV_TB2 80207	38.61 0.95 -1.02	37.47 0.62 -0.67	34.91 0.51 -0.65	32.55 0.54 -0.33	31.93 0.56 -0.28	34.87 0.57 -0.58	38.03 0.72 -1.06	38.26 0.87 -1.08	42.00 0.99 -1.48	47.55 1.22 -1.26	50.98 1.16 -1.34	56.45 1.48 -2.14	64.98 1.77 -2.07	73.03 1.85 -2.64	78.78 1.76 -9.34	101.56 2.40 -10.37	103.34 2.40 -12.00	110.10 2.70 -14.12	93.87 2.67 -7.65	63.27 1.65 -4.88	55.23 1.67 -2.98	48.52 1.20 -4.62	41.87 0.89 -3.76	39.33 0.98 -2.03
EUCLID____115KV_TB2 356179	36.93 -0.33 -0.62	36.14 -0.62 -0.56	33.66 -0.64 -0.55	31.43 -0.54 -0.28	30.80 -0.53 -0.24	33.60 -0.61 -0.49	36.34 -0.54 -0.65	36.46 -0.47 -0.62	39.92 -0.43 -0.82	45.73 -0.41 -1.06	48.94 -0.39 -0.84	54.01 -0.37 -1.56	62.04 -0.37 -1.26	69.67 -0.41 -1.53	71.01 -0.47 -3.80	92.84 -0.62 -4.67	93.43 -0.62 -5.11	97.83 -0.65 -5.21	85.29 -0.58 -2.33	56.73 -0.51 -0.49	50.41 -0.40 -0.24	44.05 -0.38 -1.72	38.25 -0.41 -1.44	36.87 -0.40 -0.95
E_CANADA_CAP_HY 24051	43.11 3.00 -3.47	39.02 2.82 0.00	36.25 2.50 0.00	34.06 2.38 0.00	33.43 2.33 0.00	36.31 2.60 0.00	43.18 3.37 -3.57	43.56 3.08 -4.16	50.26 3.12 -7.60	48.37 3.29 0.00	51.68 3.20 0.00	56.52 3.70 0.00	66.88 4.10 -1.64	79.32 4.04 -6.73	135.75 3.86 -64.21	155.28 5.33 -61.16	170.34 4.98 -76.42	201.91 6.81 -101.84	182.28 7.35 -91.38	140.45 5.33 -78.37	107.67 4.90 -52.19	82.25 4.01 -35.53	67.58 2.98 -27.38	51.13 2.80 -12.02
E_CANADA_MHWK_HY 24050	37.99 1.36 0.00	37.42 1.23 0.00	34.86 1.11 0.00	32.73 1.04 0.00	32.12 1.02 0.00	34.86 1.15 0.00	37.55 1.30 0.00	37.62 1.31 0.00	41.00 1.46 0.00	46.83 1.76 0.00	50.24 1.89 0.13	54.70 2.06 0.18	63.34 2.38 0.18	70.59 2.40 0.35	69.62 2.37 0.44	91.12 3.02 0.69	91.27 3.03 0.70	95.77 3.26 0.76	86.36 3.00 0.18	58.46 1.99 0.27	52.22 1.82 0.18	44.18 1.49 0.03	38.44 1.23 0.00	37.66 1.34 0.00
E_FISHKILL____LBMP 23776	41.77 2.78 -2.35	38.62 2.42 0.00	36.01 2.26 0.00	33.75 2.06 0.00	33.11 2.02 0.00	35.91 2.19 0.00	40.95 2.39 -2.32	41.63 2.61 -2.71	44.76 3.08 -2.14	48.59 3.52 0.00	52.41 3.93 0.00	57.21 4.38 0.00	67.40 5.14 -1.12	79.31 6.24 -4.53	116.57 6.50 -42.38	137.67 8.44 -40.44	147.77 8.36 -50.47	168.91 8.49 -67.15	130.06 7.52 -39.00	92.17 5.05 -30.37	70.73 4.20 -15.96	69.42 3.42 -23.30	58.03 2.87 -17.95	46.70 2.51 -7.88
FALCON____SEABRD_CC1 323796	35.57 -1.06 0.00	35.54 -0.65 0.00	33.21 -0.54 0.00	31.12 -0.57 0.00	30.53 -0.56 0.00	33.18 -0.54 0.00	35.74 -0.51 0.00	35.88 -0.43 0.00	38.78 -0.75 0.00	43.05 -2.03 0.00	45.23 -3.25 0.00	49.18 -3.64 0.00	56.74 -4.40 0.00	62.52 -5.21 0.81	62.61 -5.08 0.00	81.87 -6.93 0.00	82.10 -6.85 0.00	86.47 -6.80 0.00	77.45 -6.10 0.00	53.11 -3.63 0.00	47.79 -2.78 0.00	41.56 -1.15 0.00	36.77 -0.44 0.00	35.77 -0.54 0.00

FALCON___SEABRD_CC2 323797	35.57 -1.06 0.00	35.54 -0.65 0.00	33.21 -0.54 0.00	31.12 -0.57 0.00	30.53 -0.56 0.00	33.18 -0.54 0.00	35.74 -0.51 0.00	35.88 -0.43 0.00	38.78 -0.75 0.00	43.05 -2.03 0.00	45.23 -3.25 0.00	49.18 -3.64 0.00	56.74 -4.40 0.00	62.52 -5.21 0.81	62.61 -5.08 0.00	81.87 -6.93 0.00	82.10 -6.85 0.00	86.47 -6.80 0.00	77.45 -6.10 0.00	53.11 -3.63 0.00	47.79 -2.78 0.00	41.56 -1.15 0.00	36.77 -0.44 0.00	35.77 -0.54 0.00
FAR ROCKAWAY___4 23548	86.17 4.18 -45.36	62.44 3.76 -22.49	54.96 3.71 -17.50	50.11 3.42 -15.01	45.89 3.30 -11.50	49.91 3.57 -12.62	45.89 3.84 -5.81	50.93 4.10 -10.52	67.17 4.47 -23.17	85.24 4.78 -35.39	97.88 5.43 -43.97	102.30 6.13 -43.34	103.90 7.28 -35.48	133.68 8.77 -56.36	186.54 9.27 -109.59	184.46 12.17 -83.50	229.45 12.19 -128.32	246.74 12.41 -141.07	154.93 10.94 -60.44	114.35 7.21 -50.40	108.12 5.82 -51.72	103.76 4.74 -56.31	97.52 3.95 -56.36	97.42 3.41 -57.69
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	42.44 3.52 -2.28	39.31 3.11 0.00	36.59 2.84 0.00	34.28 2.60 0.00	33.61 2.52 0.00	36.45 2.73 0.00	41.51 3.01 -2.26	42.33 3.38 -2.63	45.54 3.91 -2.09	49.54 4.46 0.00	53.48 4.99 0.00	58.43 5.60 0.00	68.77 6.54 -1.09	80.81 7.88 -4.39	117.36 8.46 -41.21	139.03 10.92 -39.31	148.78 10.76 -49.07	169.40 10.82 -65.31	131.08 9.61 -37.93	92.64 6.36 -29.54	71.17 5.06 -15.54	69.48 4.10 -22.67	58.19 3.50 -17.47	46.96 2.98 -7.67
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	42.44 3.52 -2.28	39.31 3.11 0.00	36.59 2.84 0.00	34.28 2.60 0.00	33.61 2.52 0.00	36.45 2.73 0.00	41.51 3.01 -2.26	42.33 3.38 -2.63	45.50 3.87 -2.09	49.54 4.46 0.00	53.48 4.99 0.00	58.43 5.60 0.00	68.77 6.54 -1.09	80.81 7.88 -4.39	117.36 8.46 -41.21	139.03 10.92 -39.31	148.78 10.76 -49.07	169.40 10.82 -65.31	131.08 9.61 -37.93	92.64 6.36 -29.54	71.22 5.11 -15.54	69.52 4.14 -22.67	58.23 3.54 -17.47	47.00 3.01 -7.67
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	42.40 3.48 -2.28	39.27 3.08 0.00	36.55 2.80 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.47 2.97 -2.26	42.33 3.38 -2.63	45.50 3.87 -2.09	49.49 4.42 0.00	53.48 4.99 0.00	58.37 5.55 0.00	68.71 6.48 -1.09	80.75 7.81 -4.39	117.29 8.39 -41.21	138.94 10.83 -39.31	148.69 10.67 -49.07	169.31 10.73 -65.31	131.00 9.52 -37.93	92.59 6.30 -29.54	71.12 5.01 -15.54	69.44 4.06 -22.67	58.15 3.46 -17.47	46.93 2.94 -7.67
FARRAGUT___LBMP 323566	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.22 2.53 0.00	33.55 2.46 0.00	36.38 2.66 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.40 4.33 0.00	53.38 4.90 0.00	58.27 5.44 0.00	68.65 6.42 -1.09	80.61 7.68 -4.39	117.16 8.26 -41.21	138.85 10.74 -39.31	148.51 10.50 -49.07	169.12 10.54 -65.31	130.83 9.36 -37.93	92.47 6.19 -29.54	71.07 4.96 -15.54	69.40 4.01 -22.67	58.12 3.42 -17.47	46.89 2.91 -7.67
FENNER___WINDPWR 24204	38.35 1.02 -0.69	37.53 0.83 -0.50	34.92 0.67 -0.49	32.60 0.67 -0.25	31.99 0.68 -0.21	34.90 0.74 -0.44	37.90 0.94 -0.71	38.04 1.02 -0.71	41.45 1.18 -0.73	47.47 1.44 -0.95	50.74 1.50 -0.76	55.79 1.69 -1.27	64.30 1.96 -1.20	71.53 1.78 -1.21	74.41 1.62 -5.10	96.61 2.30 -5.51	97.69 2.31 -6.44	103.19 2.52 -7.40	88.71 2.34 -2.83	59.05 1.53 -0.77	52.13 1.47 -0.09	46.56 1.11 -2.74	40.31 0.82 -2.27	38.61 1.02 -1.29
FIBERTEK___ENERGY 23856	37.94 0.11 -1.19	37.25 -0.18 -1.23	34.72 -0.24 -1.20	32.10 -0.19 -0.61	31.42 -0.19 -0.52	34.56 -0.24 -1.08	37.34 -0.14 -1.24	37.44 -0.04 -1.16	41.32 0.00 -1.79	47.51 0.09 -2.34	51.15 0.19 -2.48	56.80 0.26 -3.71	65.38 0.37 -3.87	72.79 0.34 -3.90	74.51 0.27 -6.56	98.28 0.36 -9.13	98.82 0.44 -9.43	102.25 0.37 -8.61	88.19 0.33 -4.31	57.76 0.11 -0.91	51.55 0.15 -0.82	45.03 0.04 -2.28	39.08 -0.04 -1.90	37.85 0.00 -1.53
FITZPATRICK____ 23598	30.34 -0.95 5.35	28.22 -1.12 6.85	25.96 -1.11 6.68	27.29 -1.02 3.38	27.22 -1.00 2.88	26.60 -1.11 6.00	29.45 -1.12 5.67	30.25 -1.05 5.01	28.52 -1.11 9.91	30.86 -1.21 13.00	32.64 -1.26 14.58	29.99 -1.32 21.52	37.20 -1.53 22.42	43.85 -1.71 22.98	45.27 -1.82 20.59	48.38 -2.31 38.11	51.72 -2.31 34.91	68.47 -2.43 22.38	64.55 -2.09 16.91	53.26 -1.48 2.01	43.63 -1.32 5.63	39.92 -1.20 1.59	34.92 -1.04 1.26	30.94 -0.98 4.40
FLOWRFLD_69_KV_BK1 356044	86.58 4.58 -45.36	62.73 4.05 -22.49	54.93 3.68 -17.50	50.02 3.33 -15.01	45.83 3.23 -11.50	49.84 3.51 -12.62	45.93 3.88 -5.81	51.23 4.39 -10.52	67.88 5.18 -23.17	86.37 5.91 -35.39	106.42 6.55 -51.39	135.54 6.97 -75.74	135.72 8.07 -66.51	172.46 9.53 -94.39	218.53 9.75 -141.10	278.11 12.79 -176.53	267.03 12.63 -165.46	319.87 12.96 -213.64	285.89 11.53 -190.81	278.15 7.83 -213.57	241.87 6.57 -184.72	155.15 5.42 -107.02	98.35 4.76 -56.37	98.31 4.29 -57.71
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	42.34 3.41 -2.30	39.20 3.00 0.00	36.48 2.73 0.00	34.22 2.53 0.00	33.58 2.49 0.00	36.38 2.66 0.00	41.45 2.94 -2.27	42.12 3.16 -2.65	45.46 3.80 -2.13	49.45 4.37 0.00	53.38 4.90 0.00	58.27 5.44 0.00	68.43 6.48 -0.81	79.91 7.68 -3.69	115.19 7.92 -39.58	136.48 10.39 -37.30	146.20 10.32 -46.94	167.05 10.63 -63.14	128.94 9.36 -36.04	91.03 6.07 -28.21	70.70 5.16 -14.96	69.25 4.14 -22.39	58.14 3.35 -17.57	47.01 2.98 -7.71
FORT ORANGE____ 23900	41.26 1.72 -2.90	37.75 1.56 0.00	35.20 1.45 0.00	33.02 1.33 0.00	32.40 1.31 0.00	35.13 1.42 0.00	40.67 1.56 -2.87	41.19 1.52 -3.35	46.74 1.50 -5.70	46.70 1.62 0.00	50.28 1.79 0.00	54.41 1.58 0.00	45.83 1.90 17.21	29.94 2.26 40.87	14.78 2.17 55.07	8.37 2.93 83.35	14.10 3.11 77.95	37.92 3.45 58.80	15.50 3.09 71.14	14.23 2.10 44.61	39.37 1.77 12.98	50.88 1.37 -6.81	60.75 1.30 -22.23	47.27 1.20 -9.76
FORT_DRUM_COGEN 23780	37.01 -0.51 -0.89	36.49 -0.69 -0.99	34.00 -0.71 -0.96	31.54 -0.63 -0.49	30.95 -0.56 -0.41	34.04 -0.54 -0.86	36.89 -0.29 -0.93	36.88 -0.29 -0.86	40.53 -0.43 -1.42	46.45 -0.50 -1.87	48.19 -0.73 -0.44	52.67 -0.90 -0.74	61.03 -1.10 -0.99	64.67 -2.06 1.81	64.54 -2.23 0.91	83.99 -2.93 1.88	84.13 -2.94 1.88	86.76 -2.80 3.71	82.29 -2.09 -0.83	52.76 -1.19 2.79	48.29 -0.81 1.48	42.94 -0.73 -0.95	37.38 -0.89 -1.06	36.90 -0.44 -1.02
FOX_HILLS___ESR 323835	78.40 3.66 -38.10	39.47 3.22 -0.06	36.80 3.04 -0.01	34.48 2.79 -0.01	33.77 2.67 -0.01	36.66 2.93 -0.01	41.59 3.08 -2.27	42.40 3.45 -2.63	45.63 3.95 -2.14	49.31 4.24 0.00	77.79 4.95 -24.36	77.72 5.49 -19.40	78.09 6.48 -10.46	80.54 7.61 -4.39	117.21 8.26 -41.27	138.91 10.74 -39.37	148.42 10.41 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	74.50 4.86 -19.07	74.30 3.97 -27.62	73.98 3.50 -33.27	47.00 3.01 -7.67
FPL FAR_ROCK_GT1 24212	85.88 3.88 -45.36	62.30 3.62 -22.49	54.96 3.71 -17.50	50.12 3.42 -15.01	45.89 3.29 -11.50	49.91 3.57 -12.62	45.89 3.84 -5.81	50.93 4.10 -10.52	67.17 4.47 -23.17	85.24 4.78 -35.39	97.88 5.43 -43.97	102.35 6.18 -43.34	103.90 7.27 -35.48	133.68 8.78 -56.36	186.54 9.27 -109.59	184.37 12.07 -83.50	229.45 12.19 -128.32	246.75 12.41 -141.07	154.93 10.94 -60.44	114.35 7.21 -50.40	108.11 5.81 -51.72	103.76 4.74 -56.31	97.76 4.02 -56.52	97.49 3.41 -57.76

FPL FAR_ROCK_GT2 23815	85.88 3.88 -45.36	62.30 3.62 -22.49	54.96 3.71 -17.50	50.12 3.42 -15.01	45.89 3.29 -11.50	49.91 3.57 -12.62	45.89 3.84 -5.81	50.93 4.10 -10.52	67.17 4.47 -23.17	85.24 4.78 -35.39	97.88 5.43 -43.97	102.35 6.18 -43.34	103.90 7.27 -35.48	133.68 8.78 -56.36	186.54 9.27 -109.59	184.37 12.07 -83.50	229.45 12.19 -128.32	246.75 12.41 -141.07	154.93 10.94 -60.44	114.35 7.21 -50.40	108.11 5.81 -51.72	103.76 4.74 -56.31	97.76 4.02 -56.52	97.49 3.41 -57.76
FRANKLIN_FALL_HYD 24054	35.06 -1.58 0.00	35.04 -1.16 0.00	32.74 -1.01 0.00	30.67 -1.01 0.00	30.10 -0.99 0.00	32.74 -0.98 0.00	35.30 -0.94 0.00	35.41 -0.91 0.00	38.23 -1.30 0.00	43.18 -1.89 0.00	43.95 -2.47 2.06	47.14 -2.85 2.84	54.88 -3.42 2.84	57.48 -4.25 6.81	56.49 -4.47 6.73	72.40 -5.68 10.71	72.53 -5.69 10.72	75.97 -5.60 11.70	75.61 -5.10 2.84	49.75 -2.78 4.22	45.46 -2.38 2.74	40.55 -1.75 0.41	36.14 -1.08 0.00	35.26 -1.05 0.00
FREEPORT_EQUS_GT1 23764	85.99 3.99 -45.36	62.08 3.40 -22.49	54.59 3.34 -17.50	49.80 3.11 -15.01	45.58 2.99 -11.50	49.57 3.24 -12.62	45.56 3.51 -5.81	50.68 3.85 -10.52	67.01 4.31 -23.17	85.47 5.00 -35.39	97.98 5.48 -44.02	102.29 6.13 -43.34	103.90 7.27 -35.48	139.29 8.78 -61.97	196.09 9.20 -119.20	188.98 12.07 -88.11	231.09 12.09 -130.06	247.77 12.31 -142.19	154.93 10.94 -60.44	114.41 7.27 -50.40	108.16 5.86 -51.72	103.97 4.95 -56.31	97.90 4.17 -56.52	97.67 3.60 -57.76
FREEPORT___CT2 23818	85.99 3.99 -45.36	62.08 3.40 -22.49	54.59 3.34 -17.50	49.80 3.11 -15.01	45.58 2.99 -11.50	49.57 3.24 -12.62	45.56 3.51 -5.81	50.68 3.85 -10.52	67.01 4.31 -23.17	85.47 5.00 -35.39	97.98 5.48 -44.02	102.29 6.13 -43.34	103.90 7.27 -35.48	139.29 8.78 -61.97	196.09 9.20 -119.20	188.98 12.07 -88.11	231.09 12.09 -130.06	247.77 12.31 -142.19	154.93 10.94 -60.44	114.41 7.27 -50.40	108.16 5.86 -51.72	103.97 4.95 -56.31	97.90 4.17 -56.52	97.67 3.60 -57.76
FRESHKLS_33_KV_LOAD 356253	42.59 3.66 -2.29	39.38 3.15 -0.04	36.76 3.00 -0.01	34.45 2.76 -0.01	33.77 2.67 -0.01	36.69 2.97 -0.01	41.55 3.04 -2.27	42.35 3.41 -2.63	43.07 3.87 0.34	46.27 4.19 3.00	45.25 4.90 8.13	46.94 5.44 11.33	50.18 6.42 17.38	64.62 7.54 11.47	98.74 8.33 -22.73	117.43 10.83 -17.80	122.87 10.41 -23.52	134.95 10.54 -31.14	111.34 9.36 -18.44	76.03 6.19 -13.10	54.29 4.86 1.14	54.08 3.97 -7.40	49.43 3.50 -8.72	43.02 2.98 -3.73
FULTON COGEN____ 23766	38.22 -0.37 -1.94	37.81 -0.62 -2.23	35.29 -0.64 -2.18	32.22 -0.57 -1.10	31.47 -0.56 -0.94	35.07 -0.61 -1.96	37.75 -0.54 -2.05	37.71 -0.47 -1.86	42.25 -0.51 -3.23	48.83 -0.50 -4.25	52.83 -0.44 -4.78	59.15 -0.42 -6.75	68.18 -0.49 -7.53	75.04 -0.55 -7.04	76.08 -0.61 -9.00	102.04 -0.80 -14.04	102.01 -0.71 -13.78	103.47 -0.75 -10.95	89.40 -0.67 -6.53	57.16 -0.57 -0.98	51.68 -0.46 -1.56	44.57 -0.43 -2.29	38.67 -0.45 -1.90	37.97 -0.44 -2.09
FULTON___LFGE 323630	45.02 5.06 -3.33	41.01 4.81 0.00	37.93 4.18 0.00	35.61 3.93 0.00	34.95 3.85 0.00	38.07 4.35 0.00	45.34 5.65 -3.45	45.97 5.63 -4.02	53.97 6.29 -8.14	52.11 7.03 0.00	55.61 7.13 0.00	60.70 7.87 0.00	71.90 8.99 -1.77	84.74 9.25 -6.94	139.29 8.73 -62.87	161.25 12.26 -60.19	176.17 12.28 -74.95	207.72 15.02 -99.42	192.77 13.95 -95.27	148.54 9.42 -82.37	114.82 8.40 -55.85	83.75 6.62 -34.42	68.52 4.95 -26.35	52.57 4.69 -11.57
G.F.CEMENT___DRP 24184	42.49 2.82 -3.03	38.91 2.71 0.00	36.15 2.40 0.00	33.90 2.22 0.00	33.24 2.15 0.00	36.14 2.43 0.00	42.09 2.86 -2.99	42.71 2.91 -3.49	52.39 3.44 -9.41	49.04 3.97 0.00	52.31 3.83 0.00	57.05 4.23 0.00	70.56 5.01 -4.41	86.57 4.80 -13.23	143.95 4.53 -71.73	168.18 6.04 -73.35	182.47 6.14 -87.39	209.76 7.37 -109.12	209.08 7.10 -118.44	162.85 4.71 -101.40	123.56 4.70 -68.28	79.91 3.67 -33.53	63.19 2.83 -23.14	49.09 2.61 -10.16
GARDENVILLE___LBMP 24039	36.15 -0.84 -0.35	34.38 -1.81 0.00	31.96 -1.79 0.00	30.32 -1.36 0.00	29.72 -1.37 0.00	31.96 -1.75 0.00	34.45 -2.14 -0.35	34.65 -2.07 -0.41	38.17 -1.70 -0.33	43.30 -1.76 0.02	46.11 -2.08 0.29	50.82 -2.01 0.00	58.23 -2.32 0.58	66.87 -1.92 -0.25	70.90 -1.96 -5.18	90.54 -2.93 -4.68	92.07 -2.94 -6.06	98.56 -3.17 -8.46	83.29 -2.51 -2.25	56.15 -1.93 -1.33	49.66 -0.91 0.00	44.77 -1.11 -3.17	38.55 -1.27 -2.60	36.51 -0.94 -1.14
GARDNVLA_35_KV_LD 355827	36.30 -0.70 -0.35	34.56 -1.63 0.00	32.10 -1.65 0.00	30.48 -1.20 0.00	29.85 -1.24 0.00	32.13 -1.58 0.00	34.60 -1.99 -0.35	34.80 -1.92 -0.41	38.37 -1.50 -0.34	43.52 -1.53 0.02	46.30 -1.89 0.29	51.08 -1.74 0.00	58.54 -2.02 0.58	67.22 -1.58 -0.25	71.34 -1.56 -5.22	91.11 -2.40 -4.71	92.55 -2.49 -6.10	99.08 -2.70 -8.51	83.72 -2.09 -2.27	56.44 -1.65 -1.34	49.92 -0.66 0.00	44.96 -0.94 -3.19	38.75 -1.08 -2.61	36.66 -0.80 -1.15
GELCKHM___115KV_LOAD 80723	37.28 -0.18 -0.82	36.53 -0.47 -0.80	34.03 -0.51 -0.78	31.67 -0.41 -0.40	31.02 -0.40 -0.34	33.95 -0.47 -0.70	36.70 -0.40 -0.86	36.80 -0.33 -0.81	40.38 -0.32 -1.16	46.36 -0.23 -1.51	49.71 -0.19 -1.42	54.99 -0.16 -2.32	63.26 -0.06 -2.18	70.79 -0.14 -2.38	72.28 -0.20 -4.79	94.80 -0.27 -6.27	95.34 -0.27 -6.66	99.43 -0.28 -6.44	86.33 -0.25 -3.03	57.11 -0.28 -0.64	50.82 -0.20 -0.45	44.38 -0.26 -1.93	38.53 -0.30 -1.61	37.22 -0.25 -1.16
GENERAL___MILLS 23808	36.19 -0.81 -0.35	34.49 -1.70 0.00	32.03 -1.72 0.00	30.42 -1.27 0.00	29.79 -1.31 0.00	32.03 -1.69 0.00	34.53 -2.07 -0.35	34.73 -2.00 -0.41	38.25 -1.62 -0.34	43.39 -1.67 0.02	46.16 -2.04 0.29	50.92 -1.90 0.00	58.30 -2.26 0.58	66.94 -1.85 -0.25	71.06 -1.83 -5.21	90.74 -2.75 -4.70	92.28 -2.76 -6.09	98.78 -2.98 -8.50	83.47 -2.34 -2.26	56.27 -1.82 -1.34	49.77 -0.81 0.00	44.83 -1.07 -3.19	38.64 -1.19 -2.61	36.59 -0.87 -1.14
GE_PLASTICS___DRP 24183	41.05 1.50 -2.91	37.61 1.41 0.00	35.03 1.28 0.00	32.86 1.17 0.00	32.24 1.15 0.00	34.96 1.25 0.00	40.49 1.38 -2.87	41.04 1.38 -3.35	46.08 1.54 -5.00	46.88 1.80 0.00	50.37 1.89 0.00	54.36 1.53 0.00	51.94 1.59 10.79	45.63 1.92 24.84	51.57 1.83 17.94	53.98 2.49 37.30	61.96 2.49 29.47	86.19 2.70 9.79	58.39 2.34 27.49	44.53 1.59 13.81	52.37 1.37 -0.42	58.25 1.11 -14.43	60.83 1.38 -22.23	47.38 1.31 -9.76
GILBOA___1 23756	40.42 1.54 -2.24	37.71 1.52 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.16 1.70 -2.22	40.42 1.52 -2.59	43.01 1.66 -1.81	47.01 1.94 0.00	50.57 2.08 0.00	55.10 2.27 0.00	63.77 2.63 0.00	73.20 3.01 -1.64	104.63 2.64 -34.31	123.13 3.37 -30.96	132.46 3.38 -40.14	152.72 3.45 -55.99	114.20 3.09 -27.56	80.37 2.16 -21.46	63.73 2.22 -10.93	65.54 1.84 -21.00	55.95 1.56 -17.17	45.31 1.45 -7.54
GILBOA___2 23757	40.42 1.54 -2.24	37.71 1.52 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.16 1.70 -2.22	40.42 1.52 -2.59	43.01 1.66 -1.81	47.01 1.94 0.00	50.57 2.08 0.00	55.10 2.27 0.00	63.77 2.63 0.00	73.20 3.01 -1.64	104.63 2.64 -34.31	123.13 3.37 -30.96	132.46 3.38 -40.14	152.72 3.45 -55.99	114.20 3.09 -27.56	80.37 2.16 -21.46	63.73 2.22 -10.93	65.54 1.84 -21.00	55.95 1.56 -17.17	45.31 1.45 -7.54

GILBOA___3 23758	40.42 1.54 -2.24	37.71 1.52 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.16 1.70 -2.22	40.42 1.52 -2.59	43.01 1.66 -1.81	47.01 1.94 0.00	50.57 2.08 0.00	55.10 2.27 0.00	63.77 2.63 0.00	73.20 3.01 -1.64	104.63 2.64 -34.31	123.13 3.37 -30.96	132.46 3.38 -40.14	152.72 3.45 -55.99	114.20 3.09 -27.56	80.37 2.16 -21.46	63.73 2.22 -10.93	65.54 1.84 -21.00	55.95 1.56 -17.17	45.31 1.45 -7.54
GILBOA___4 23759	40.42 1.54 -2.24	37.71 1.52 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.16 1.70 -2.22	40.42 1.52 -2.59	43.01 1.66 -1.81	47.01 1.94 0.00	50.57 2.08 0.00	55.10 2.27 0.00	63.77 2.63 0.00	73.20 3.01 -1.64	104.63 2.64 -34.31	123.13 3.37 -30.96	132.46 3.38 -40.14	152.72 3.45 -55.99	114.20 3.09 -27.56	80.37 2.16 -21.46	63.73 2.22 -10.93	65.54 1.84 -21.00	55.95 1.56 -17.17	45.31 1.45 -7.54
GILBOA___ 23599	40.42 1.54 -2.24	37.79 1.59 0.00	35.34 1.59 0.00	33.14 1.46 0.00	32.52 1.43 0.00	35.27 1.55 0.00	40.16 1.70 -2.22	40.42 1.53 -2.59	43.01 1.66 -1.81	47.01 1.94 0.00	50.57 2.08 0.00	55.10 2.27 0.00	63.77 2.63 0.00	73.21 3.02 -1.64	104.70 2.71 -34.31	123.13 3.37 -30.96	132.46 3.38 -40.14	152.72 3.45 -55.99	114.20 3.09 -27.56	80.37 2.16 -21.46	63.63 2.12 -10.93	65.54 1.84 -21.00	55.90 1.53 -17.16	45.30 1.45 -7.53
GINNA___ 23603	35.42 -1.47 -0.25	34.17 -2.03 0.00	31.52 -2.23 0.00	29.69 -2.00 0.00	29.13 -1.96 0.00	31.52 -2.19 0.00	34.31 -2.17 -0.24	34.60 -2.00 -0.28	37.40 -2.14 0.00	42.80 -2.25 0.02	45.92 -2.23 0.33	50.50 -2.32 0.00	57.72 -2.75 0.67	65.77 -2.95 -0.17	68.16 -3.11 -3.59	88.31 -3.73 -3.24	89.14 -4.00 -4.20	95.03 -4.10 -5.86	81.43 -3.67 -1.56	55.17 -2.50 -0.92	48.30 -2.27 0.00	42.86 -2.05 -2.20	37.28 -1.75 -1.81	35.47 -1.63 -0.79
GLEN PARK___ 23778	37.32 -0.25 -0.93	36.83 -0.40 -1.04	34.26 -0.51 -1.01	31.75 -0.44 -0.51	31.16 -0.37 -0.44	34.25 -0.37 -0.91	37.15 -0.07 -0.98	37.14 -0.07 -0.90	40.80 -0.24 -1.50	46.82 -0.22 -1.97	48.64 -0.48 -0.64	53.27 -0.58 -1.02	61.70 -0.73 -1.29	65.33 -1.85 1.37	65.26 -2.03 0.40	85.07 -2.66 1.07	85.20 -2.67 1.08	88.01 -2.33 2.93	82.98 -1.67 -1.11	53.32 -0.85 2.58	48.75 -0.51 1.32	43.22 -0.51 -1.02	37.61 -0.71 -1.10	37.20 -0.18 -1.07
GLENDALE_27_KV_LOAD 356172	42.73 3.81 -2.28	39.56 3.37 0.00	36.86 3.11 0.00	34.54 2.85 0.00	33.86 2.77 0.00	36.72 3.00 0.00	41.69 3.19 -2.26	42.58 3.63 -2.63	45.78 4.15 -2.09	49.58 4.51 0.00	53.66 5.19 0.01	57.94 5.76 0.64	68.94 6.73 -1.08	80.88 7.95 -4.39	117.56 8.66 -41.21	139.39 11.28 -39.31	148.96 10.94 -49.07	169.59 11.01 -65.31	131.16 9.69 -37.93	92.70 6.41 -29.54	66.09 5.16 -10.36	67.46 4.19 -20.56	55.57 3.65 -14.71	47.15 3.16 -7.67
GLENWOOD_IC_1_G5 23712	85.77 3.77 -45.36	62.01 3.33 -22.49	54.28 3.04 -17.50	49.77 3.07 -15.01	45.58 2.98 -11.50	49.54 3.20 -12.62	45.57 3.52 -5.81	50.54 3.70 -10.52	66.89 4.19 -23.17	85.33 4.87 -35.39	98.03 5.53 -44.02	102.46 6.29 -43.34	104.08 7.46 -35.48	200.42 8.98 -122.90	300.74 9.41 -223.65	239.21 12.25 -138.16	250.06 12.19 -148.93	259.92 12.31 -154.34	154.93 10.94 -60.44	114.35 7.21 -50.40	108.12 5.82 -51.72	103.76 4.74 -56.31	97.48 3.91 -56.36	97.42 3.41 -57.69
GLENWOOD_IC_2_G1 23688	85.84 3.85 -45.36	61.97 3.29 -22.49	54.39 3.14 -17.50	49.67 2.98 -15.01	45.45 2.86 -11.50	49.44 3.10 -12.62	45.46 3.41 -5.81	50.54 3.71 -10.52	66.97 4.27 -23.17	85.38 4.91 -35.39	97.98 5.52 -43.97	102.40 6.23 -43.34	104.02 7.39 -35.48	290.63 8.85 -213.24	455.47 9.27 -378.51	313.34 12.17 -212.38	277.85 8.66 -176.91	277.85 12.22 -172.36	154.84 10.86 -60.44	114.35 7.21 -50.40	108.11 5.81 -51.72	103.80 4.78 -56.31	97.76 4.02 -56.52	97.56 3.49 -57.76
GLENWOOD_IC_3_G1 23689	85.84 3.85 -45.36	61.97 3.29 -22.49	54.39 3.14 -17.50	49.67 2.98 -15.01	45.45 2.86 -11.50	49.44 3.10 -12.62	45.46 3.41 -5.81	50.54 3.71 -10.52	66.97 4.27 -23.17	85.38 4.91 -35.39	97.98 5.52 -43.97	102.40 6.23 -43.34	104.02 7.39 -35.48	290.63 8.85 -213.24	455.47 9.27 -378.51	313.34 12.17 -212.38	277.85 8.66 -176.91	277.85 12.22 -172.36	154.84 10.86 -60.44	114.35 7.21 -50.40	108.11 5.81 -51.72	103.80 4.78 -56.31	97.76 4.02 -56.52	97.56 3.49 -57.76
GLENWOOD___4 23550	85.88 3.88 -45.36	62.08 3.40 -22.49	54.39 3.14 -17.50	49.77 3.07 -15.01	45.58 2.98 -11.50	49.54 3.20 -12.62	45.57 3.52 -5.81	50.57 3.74 -10.52	66.97 4.27 -23.17	85.47 5.00 -35.39	98.18 5.67 -44.02	102.56 6.39 -43.34	104.21 7.58 -35.48	200.56 9.12 -122.90	300.94 9.61 -223.65	239.39 12.43 -138.16	250.23 12.36 -148.93	260.20 12.59 -154.34	155.10 11.11 -60.44	114.46 7.32 -50.40	108.27 5.97 -51.72	103.89 4.87 -56.31	97.59 4.02 -56.36	97.49 3.49 -57.69
GLENWOOD___5 23614	85.88 3.88 -45.36	62.08 3.40 -22.49	54.39 3.14 -17.50	49.77 3.07 -15.01	45.58 2.98 -11.50	49.54 3.20 -12.62	45.57 3.52 -5.81	50.57 3.74 -10.52	66.97 4.27 -23.17	85.47 5.00 -35.39	98.18 5.67 -44.02	102.56 6.39 -43.34	104.21 7.58 -35.48	200.56 9.12 -122.90	300.94 9.61 -223.65	239.39 12.43 -138.16	250.23 12.36 -148.93	260.20 12.59 -154.34	155.10 11.11 -60.44	114.46 7.32 -50.40	108.27 5.97 -51.72	103.89 4.87 -56.31	97.59 4.02 -56.36	97.49 3.49 -57.69
GLOBAL GREEN_PORT_GT1 23814	87.20 5.20 -45.36	63.13 4.45 -22.49	55.30 4.05 -17.50	50.30 3.61 -15.01	46.10 3.51 -11.50	50.18 3.84 -12.62	46.22 4.17 -5.81	51.59 4.76 -10.52	68.55 5.85 -23.17	87.22 6.76 -35.39	105.76 7.76 -49.52	129.12 8.71 -67.58	130.04 10.21 -58.69	158.76 12.13 -78.08	201.91 12.59 -121.64	250.48 14.12 -147.56	257.11 14.14 -154.02	301.74 14.46 -194.01	254.37 12.86 -157.96	237.77 8.57 -172.46	215.21 8.45 -156.18	148.05 6.75 -98.59	99.18 5.43 -56.53	98.96 4.87 -57.77
GLOBE___DSASP 323697	35.17 -1.80 -0.32	33.12 -3.08 0.00	30.78 -2.97 0.00	29.25 -2.44 0.00	28.64 -2.46 0.00	30.78 -2.93 0.00	33.34 -3.23 -0.32	33.31 -3.38 -0.38	36.36 -3.48 -0.30	41.22 -3.83 0.02	44.20 -3.98 0.31	48.71 -4.12 0.00	55.62 -4.89 0.62	63.91 -4.87 -0.23	67.37 -5.08 -4.77	86.08 -7.01 -4.30	87.49 -7.03 -5.58	93.68 -7.37 -7.78	79.35 -6.27 -2.07	53.83 -4.14 -1.22	47.44 -3.14 0.00	42.98 -2.65 -2.92	37.04 -2.57 -2.39	35.33 -2.03 -1.05
GOETHSLN___LBMP 323567	42.15 3.22 -2.28	39.09 2.90 0.00	36.35 2.60 0.00	34.09 2.41 0.00	33.39 2.30 0.00	36.21 2.49 0.00	41.26 2.75 -2.26	42.07 3.12 -2.63	42.76 3.56 0.33	46.14 4.06 3.00	44.97 4.61 8.12	46.63 5.12 11.32	49.76 5.99 17.37	64.35 7.27 11.46	98.28 7.85 -22.74	116.72 10.12 -17.80	122.43 9.96 -23.53	134.39 9.98 -31.14	110.85 8.86 -18.45	75.69 5.84 -13.10	54.05 4.60 1.13	53.88 3.76 -7.41	49.14 3.20 -8.72	42.74 2.69 -3.74
GOLAH___69_KV_TB 1_2 80279	37.04 0.15 -0.26	35.32 -0.87 0.00	32.81 -0.95 0.00	30.96 -0.73 0.00	30.35 -0.75 0.00	32.81 -0.91 0.00	35.67 -0.83 -0.26	35.85 -0.76 -0.30	38.67 -0.87 0.00	44.29 -0.77 0.02	47.57 -0.58 0.33	52.40 -0.42 0.00	59.79 -0.67 0.68	68.32 -0.41 -0.18	71.01 -0.47 -3.80	91.70 -0.53 -3.43	92.59 -0.80 -4.45	98.73 -0.75 -6.21	84.78 -0.42 -1.65	57.38 -0.34 -0.98	50.63 0.05 0.00	45.08 0.04 -2.33	39.02 -0.11 -1.91	37.26 0.11 -0.84

GOODYEAR_LAKE_HYD 323669	39.23 1.98 -0.61	38.00 1.81 0.00	35.40 1.65 0.00	33.24 1.55 0.00	32.65 1.55 0.00	35.40 1.69 0.00	38.96 2.07 -0.65	39.14 2.07 -0.76	44.85 2.33 -2.98	47.87 2.79 0.00	51.39 2.91 0.00	55.63 2.80 0.00	64.90 3.18 -0.58	73.75 3.22 -1.98	85.28 3.11 -14.48	107.08 4.08 -14.20	110.25 3.91 -17.39	120.24 4.38 -22.58	120.54 4.18 -32.82	89.21 2.78 -29.68	75.19 2.63 -21.99	52.44 2.14 -7.60	44.34 1.56 -5.56	40.35 1.60 -2.44
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	38.12 0.44 -1.05	36.76 0.11 -0.46	34.26 0.07 -0.44	32.04 0.13 -0.23	31.41 0.12 -0.19	34.22 0.10 -0.40	37.38 0.07 -1.06	37.56 0.11 -1.13	41.23 0.32 -1.37	46.43 0.50 -0.86	49.80 0.44 -0.88	55.17 0.79 -1.55	63.54 0.98 -1.43	71.85 1.17 -2.14	80.51 1.22 -11.60	102.18 1.51 -11.88	105.08 1.78 -14.36	113.27 1.87 -18.13	94.97 1.75 -9.67	64.57 1.02 -6.80	55.60 1.11 -3.91	49.70 0.68 -6.31	42.74 0.41 -5.11	39.30 0.47 -2.52
GOUDEY___7 23579	38.16 0.48 -1.05	36.79 0.14 -0.46	34.26 0.07 -0.44	32.07 0.16 -0.23	31.44 0.16 -0.19	34.25 0.13 -0.40	37.42 0.11 -1.06	37.59 0.15 -1.13	41.27 0.36 -1.37	46.48 0.54 -0.86	49.85 0.48 -0.88	55.22 0.85 -1.55	63.67 1.10 -1.43	71.99 1.30 -2.14	80.58 1.29 -11.60	102.27 1.60 -11.88	105.17 1.87 -14.36	113.36 1.96 -18.13	95.05 1.84 -9.67	64.62 1.08 -6.80	55.65 1.16 -3.91	49.75 0.73 -6.31	42.77 0.45 -5.11	39.34 0.51 -2.52
GOUDEY___8 23580	38.12 0.44 -1.05	36.76 0.11 -0.46	34.26 0.07 -0.44	32.04 0.13 -0.23	31.41 0.12 -0.19	34.22 0.10 -0.40	37.38 0.07 -1.06	37.56 0.11 -1.13	41.23 0.32 -1.37	46.43 0.50 -0.86	49.80 0.44 -0.88	55.17 0.79 -1.55	63.54 0.98 -1.43	71.85 1.17 -2.14	80.51 1.22 -11.60	102.18 1.51 -11.88	105.08 1.78 -14.36	113.27 1.87 -18.13	94.97 1.75 -9.67	64.57 1.02 -6.80	55.60 1.11 -3.91	49.70 0.68 -6.31	42.74 0.41 -5.11	39.30 0.47 -2.52
GOWANUS_GT1_1 24077	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT1_2 24078	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT1_3 24079	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT1_4 24080	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT1_5 24084	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT1_6 24111	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT1_7 24112	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT1_8 24113	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT2_1 24114	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT2_2 24115	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT2_3 24116	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74

GOWANUS_GT2_4 24117	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT2_5 24118	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT2_6 24119	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT2_7 24120	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT2_8 24121	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_1 24122	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_2 24123	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_3 24124	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_4 24125	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_5 24126	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_6 24127	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_7 24128	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT3_8 24129	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
GOWANUS_GT4_1 24130	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT4_2 24131	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67

GOWANUS_GT4_3 24132	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT4_4 24133	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT4_5 24134	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT4_6 24135	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT4_7 24136	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GOWANUS_GT4_8 24137	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GREENBSH_115KV_TB3 55895	41.06 1.50 -2.92	37.53 1.34 0.00	34.97 1.22 0.00	32.79 1.11 0.00	32.18 1.09 0.00	34.90 1.18 0.00	40.47 1.34 -2.89	41.02 1.34 -3.37	46.90 1.50 -5.86	46.79 1.71 0.00	50.32 1.84 0.00	54.62 1.80 0.00	44.86 2.02 18.30	27.36 2.40 43.59	8.91 2.37 61.15	1.02 3.20 90.97	6.22 3.20 85.92	29.98 3.45 66.75	8.39 3.01 78.17	9.29 2.04 49.50	37.29 1.72 15.00	49.74 1.37 -5.66	60.85 1.30 -22.33	47.35 1.23 -9.80
GREENDGE_115KV_TB5 80291	37.47 0.15 -0.69	36.06 -0.51 -0.38	33.54 -0.57 -0.37	31.65 -0.22 -0.19	31.03 -0.22 -0.16	33.61 -0.44 -0.33	36.58 -0.36 -0.70	37.01 -0.04 -0.73	40.54 0.08 -0.92	45.96 0.18 -0.70	49.28 0.19 -0.61	54.43 0.37 -1.24	62.59 0.55 -0.90	70.82 0.69 -1.59	75.07 0.54 -6.84	95.65 -0.44 -7.29	96.94 -0.62 -8.62	103.32 -0.47 -10.52	89.02 -0.08 -5.56	60.44 0.00 -3.70	53.04 0.30 -2.16	46.31 0.04 -3.55	40.32 0.11 -2.99	38.03 0.18 -1.53
GREENIDGE___3 23582	37.47 0.15 -0.69	36.06 -0.51 -0.38	33.54 -0.57 -0.37	31.65 -0.22 -0.19	31.03 -0.22 -0.16	33.61 -0.44 -0.33	36.58 -0.36 -0.70	37.01 -0.04 -0.73	40.54 0.08 -0.92	45.96 0.18 -0.70	49.28 0.19 -0.61	54.43 0.37 -1.24	62.59 0.55 -0.90	70.82 0.69 -1.59	75.07 0.54 -6.84	95.65 -0.44 -7.29	96.94 -0.62 -8.62	103.32 -0.47 -10.52	89.02 -0.08 -5.56	60.44 0.00 -3.70	53.04 0.30 -2.16	46.31 0.04 -3.55	40.32 0.11 -2.99	38.03 0.18 -1.53
GREENIDGE___4 23583	37.47 0.15 -0.69	36.28 -0.29 -0.38	33.54 -0.57 -0.37	31.62 -0.25 -0.19	31.03 -0.22 -0.16	33.61 -0.44 -0.33	36.58 -0.36 -0.70	37.01 -0.04 -0.73	40.54 0.08 -0.92	45.96 0.18 -0.70	49.28 0.19 -0.61	54.44 0.37 -1.24	62.59 0.55 -0.90	70.82 0.69 -1.59	74.87 0.34 -6.84	95.65 -0.44 -7.29	96.95 -0.62 -8.62	103.33 -0.46 -10.52	89.02 -0.08 -5.56	60.61 0.17 -3.70	52.89 0.15 -2.16	46.09 -0.17 -3.55	40.27 0.07 -2.98	37.99 0.15 -1.53
GREENLWN_69_KV_BK 3 55738	85.55 3.55 -45.36	61.79 3.11 -22.49	54.08 2.84 -17.50	49.29 2.60 -15.01	45.11 2.52 -11.50	49.07 2.73 -12.62	45.06 3.01 -5.81	50.21 3.38 -10.52	66.70 3.99 -23.17	85.11 4.64 -35.39	97.47 5.82 -43.17	97.09 6.23 -38.03	98.68 7.15 -30.39	100.50 8.50 -23.46	134.98 8.60 -58.70	146.40 11.28 -46.32	214.12 11.21 -113.97	228.49 11.38 -123.84	132.62 10.03 -39.05	87.35 6.98 -23.62	86.94 5.97 -30.39	95.95 4.83 -48.42	97.25 3.68 -56.35	97.20 3.20 -57.69
GREENWD_138_KV_38B11_REV_LBMP_J 345004	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67
GRISSOM___SOLAR 323813	45.02 5.06 -3.33	41.01 4.81 0.00	37.93 4.18 0.00	35.61 3.93 0.00	34.95 3.85 0.00	38.07 4.35 0.00	45.34 5.65 -3.45	45.97 5.63 -4.02	53.97 6.29 -8.14	52.11 7.03 0.00	55.61 7.13 0.00	60.70 7.87 0.00	71.90 8.99 -1.77	84.74 9.25 -6.94	139.29 8.73 -62.87	161.25 12.26 -60.19	176.17 12.28 -74.95	207.72 15.02 -99.42	192.77 13.95 -95.27	148.54 9.42 -82.37	114.82 8.40 -55.85	83.75 6.62 -34.42	68.52 4.95 -26.35	52.57 4.69 -11.57
GROVEVILLE___HYD 323602	42.34 3.41 -2.30	39.20 3.00 0.00	36.48 2.73 0.00	34.22 2.53 0.00	33.58 2.49 0.00	36.38 2.66 0.00	41.45 2.94 -2.27	42.12 3.16 -2.65	45.46 3.80 -2.13	49.45 4.37 0.00	53.38 4.90 0.00	58.27 5.44 0.00	68.43 6.48 -0.81	79.91 7.68 -3.69	115.19 7.92 -39.58	136.48 10.39 -37.30	146.20 10.32 -46.94	167.05 10.63 -63.14	128.94 9.36 -36.04	91.03 6.07 -28.21	70.70 5.16 -14.96	69.25 4.14 -22.39	58.14 3.35 -17.57	47.01 2.98 -7.71
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	37.94 0.11 -1.19	37.25 -0.18 -1.23	34.72 -0.24 -1.20	32.10 -0.19 -0.61	31.42 -0.19 -0.52	34.56 -0.24 -1.08	37.34 -0.14 -1.24	37.44 -0.04 -1.16	41.32 0.00 -1.79	47.51 0.09 -2.34	51.15 0.19 -2.48	56.80 0.26 -3.71	65.38 0.37 -3.87	72.79 0.34 -3.90	74.51 0.27 -6.56	98.28 0.36 -9.13	98.82 0.44 -9.43	102.25 0.37 -8.61	88.19 0.33 -4.31	57.76 0.11 -0.91	51.55 0.15 -0.82	45.03 0.04 -2.28	39.08 -0.04 -1.90	37.85 0.00 -1.53

HAMLTNNY_34_KV_TB 80303	38.02 0.15 -1.23	37.28 -0.18 -1.26	34.75 -0.24 -1.23	32.15 -0.16 -0.62	31.47 -0.16 -0.53	34.62 -0.20 -1.11	37.42 -0.11 -1.29	37.56 0.04 -1.20	41.45 0.08 -1.83	47.66 0.18 -2.40	51.28 0.24 -2.56	57.03 0.37 -3.83	65.63 0.49 -4.00	73.09 0.48 -4.07	75.12 0.47 -6.96	99.05 0.62 -9.63	99.54 0.62 -9.98	103.14 0.65 -9.22	88.65 0.58 -4.52	57.99 0.23 -1.01	51.75 0.30 -0.87	45.28 0.13 -2.45	39.29 0.04 -2.04	38.00 0.07 -1.61
HAMPSHIRE___PAPER_HYD 323593	35.22 -1.79 -0.38	34.97 -1.63 -0.41	32.63 -1.52 -0.40	30.46 -1.43 -0.20	29.87 -1.40 -0.17	32.63 -1.45 -0.36	35.26 -1.38 -0.40	35.37 -1.31 -0.37	38.43 -1.70 -0.59	43.74 -2.12 -0.78	42.59 -2.47 3.42	45.45 -2.75 4.63	53.32 -3.24 4.57	52.59 -4.32 11.64	51.47 -4.26 11.96	63.73 -5.77 19.30	63.88 -5.78 19.28	65.80 -5.78 21.69	73.91 -5.10 4.53	45.10 -3.18 8.47	42.51 -2.68 5.38	40.34 -2.13 0.24	35.79 -1.94 -0.51	35.17 -1.60 -0.45
HARDSCRABBLE_WT_PWR 323673	37.88 1.25 0.00	37.32 1.12 0.00	34.76 1.01 0.00	32.64 0.95 0.00	32.02 0.93 0.00	34.76 1.05 0.00	37.44 1.19 0.00	37.55 1.24 0.00	40.92 1.38 0.00	46.75 1.67 0.00	50.14 1.79 0.13	54.65 2.01 0.18	63.22 2.26 0.18	70.45 2.26 0.35	69.41 2.17 0.44	90.94 2.84 0.69	91.09 2.85 0.70	95.50 2.98 0.76	86.11 2.75 0.18	58.29 1.82 0.27	52.06 1.67 0.18	44.05 1.37 0.03	38.33 1.12 0.00	37.55 1.24 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	41.75 3.00 -2.10	38.73 2.53 0.00	36.11 2.36 0.00	33.84 2.15 0.00	33.21 2.11 0.00	36.01 2.29 0.00	40.83 2.50 -2.08	41.50 2.76 -2.43	44.78 3.32 -1.92	48.95 3.88 0.00	52.85 4.36 0.00	57.69 4.86 0.00	67.84 5.81 -0.89	79.24 6.92 -3.77	112.28 7.24 -37.36	133.75 9.50 -35.45	142.95 9.61 -44.41	162.33 9.70 -59.36	126.11 8.44 -34.13	88.87 5.50 -26.62	69.14 4.55 -14.02	67.11 3.63 -20.77	56.38 3.05 -16.11	46.07 2.69 -7.07
HARSNRAD_115KV_TB1 81005	35.64 -1.32 -0.32	33.77 -2.42 0.00	31.39 -2.36 0.00	29.82 -1.87 0.00	29.20 -1.90 0.00	31.39 -2.33 0.00	33.91 -2.65 -0.32	34.00 -2.69 -0.37	37.19 -2.65 -0.30	42.17 -2.88 0.02	45.12 -3.05 0.31	49.71 -3.12 0.00	56.73 -3.79 0.62	65.20 -3.56 -0.22	68.71 -3.66 -4.68	87.78 -5.24 -4.22	89.17 -5.25 -5.47	95.40 -5.50 -7.63	80.98 -4.59 -2.03	54.77 -3.18 -1.20	48.45 -2.12 0.00	43.74 -1.84 -2.86	37.70 -1.86 -2.35	35.89 -1.45 -1.03
HARZA MOOSE___RIVER 24016	37.49 0.51 -0.34	36.90 0.36 -0.35	34.39 0.30 -0.34	32.14 0.29 -0.17	31.55 0.31 -0.15	34.36 0.34 -0.30	37.18 0.58 -0.36	37.30 0.65 -0.34	40.75 0.71 -0.50	46.59 0.86 -0.66	48.80 0.78 0.45	53.07 0.79 0.55	61.50 0.86 0.50	66.51 0.34 2.38	66.09 0.20 1.80	85.75 0.27 3.32	86.00 0.27 3.21	89.90 0.56 3.93	83.89 0.67 0.32	55.18 0.51 2.08	49.83 0.56 1.30	43.62 0.43 -0.49	38.00 0.19 -0.59	37.28 0.51 -0.46
HDSNBRDG_115KV_BRDG_TB1 355580	37.13 -0.22 -0.72	36.36 -0.51 -0.67	33.90 -0.51 -0.65	31.57 -0.44 -0.33	30.94 -0.44 -0.28	33.83 -0.47 -0.59	36.55 -0.43 -0.75	36.70 -0.33 -0.71	40.23 -0.28 -0.97	46.16 -0.18 -1.26	49.45 -0.15 -1.11	54.62 -0.11 -1.90	62.83 0.00 -1.69	70.39 -0.07 -1.92	71.89 -0.14 -4.34	94.10 -0.18 -5.48	94.78 -0.09 -5.92	99.01 -0.19 -5.92	86.06 -0.17 -2.68	57.05 -0.28 -0.59	50.76 -0.15 -0.33	44.37 -0.21 -1.87	38.52 -0.26 -1.56	37.13 -0.25 -1.07
HELLGATE_13_KV_LD 55870	42.44 3.52 -2.29	39.31 3.11 0.00	36.69 2.94 0.00	34.38 2.69 0.00	33.71 2.61 0.00	36.51 2.80 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.42 3.80 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.62 5.28 0.49	68.39 6.18 -1.08	80.20 7.27 -4.39	116.95 8.05 -41.21	138.50 10.39 -39.32	148.07 10.05 -49.07	168.65 10.07 -65.31	130.33 8.86 -37.93	92.14 5.84 -29.55	67.18 4.65 -11.95	67.58 3.80 -21.07	55.90 3.31 -15.37	46.82 2.83 -7.67
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	42.44 3.52 -2.29	39.31 3.11 0.00	36.69 2.94 0.00	34.38 2.69 0.00	33.71 2.61 0.00	36.51 2.80 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.42 3.80 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.62 5.28 0.49	68.39 6.18 -1.08	80.20 7.27 -4.39	116.95 8.05 -41.21	138.50 10.39 -39.32	148.07 10.05 -49.07	168.65 10.07 -65.31	130.33 8.86 -37.93	92.14 5.84 -29.55	67.18 4.65 -11.95	67.58 3.80 -21.07	55.90 3.31 -15.37	46.82 2.83 -7.67
HEMPSTEAD____ 23647	85.74 3.74 -45.36	61.83 3.15 -22.49	54.29 3.04 -17.50	49.58 2.88 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.35 3.30 -5.81	50.43 3.60 -10.52	66.85 4.15 -23.17	85.24 4.78 -35.39	97.88 5.38 -44.02	102.24 6.07 -43.34	103.77 7.15 -35.48	159.54 8.64 -82.36	230.91 9.07 -154.15	205.55 11.90 -104.85	237.14 11.83 -136.37	251.56 12.04 -146.25	154.60 10.61 -60.44	114.18 7.03 -50.40	107.96 5.66 -51.72	103.67 4.66 -56.31	97.68 3.94 -56.52	97.46 3.38 -57.76
HEWLETT_69_KV_BK3 55828	86.06 4.07 -45.36	62.34 3.66 -22.49	54.76 3.51 -17.50	49.92 3.23 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.67 3.62 -5.81	50.72 3.89 -10.52	67.05 4.35 -23.17	85.29 4.82 -35.39	97.88 5.43 -43.97	102.30 6.13 -43.34	103.90 7.28 -35.48	133.68 8.77 -56.36	186.54 9.27 -109.59	184.37 12.08 -83.50	229.27 12.01 -128.32	246.65 12.31 -141.07	154.85 10.86 -60.44	114.29 7.15 -50.40	108.12 5.82 -51.72	103.76 4.74 -56.31	97.56 3.98 -56.36	97.46 3.45 -57.69
HICKLING___1 23621	37.66 0.18 -0.84	36.21 -0.36 -0.38	33.68 -0.44 -0.37	31.65 -0.22 -0.19	31.03 -0.22 -0.16	33.71 -0.34 -0.33	36.63 -0.47 -0.86	37.33 0.11 -0.91	41.09 0.47 -1.08	46.50 0.72 -0.70	49.71 0.58 -0.65	54.98 0.90 -1.26	63.37 1.22 -1.01	71.77 1.51 -1.71	78.11 1.56 -8.87	99.81 1.86 -9.15	101.11 1.16 -11.01	108.30 1.21 -13.82	92.12 1.25 -7.32	62.45 0.62 -5.08	54.46 0.96 -2.92	47.83 0.34 -4.78	41.43 0.11 -4.10	38.52 0.18 -2.02
HICKLING___2 23622	37.66 0.18 -0.84	36.21 -0.36 -0.38	33.68 -0.44 -0.37	31.65 -0.22 -0.19	31.03 -0.22 -0.16	33.71 -0.34 -0.33	36.63 -0.47 -0.86	37.33 0.11 -0.91	41.09 0.47 -1.08	46.50 0.72 -0.70	49.71 0.58 -0.65	54.98 0.90 -1.26	63.37 1.22 -1.01	71.77 1.51 -1.71	78.11 1.56 -8.87	99.81 1.86 -9.15	101.11 1.16 -11.01	108.30 1.21 -13.82	92.12 1.25 -7.32	62.45 0.62 -5.08	54.46 0.96 -2.92	47.83 0.34 -4.78	41.43 0.11 -4.10	38.52 0.18 -2.02
HIGH FALLS___HY 23754	42.04 3.11 -2.29	38.84 2.64 0.00	36.21 2.46 0.00	33.94 2.25 0.00	33.30 2.21 0.00	36.11 2.39 0.00	41.12 2.61 -2.27	41.75 2.80 -2.64	45.36 3.36 -2.46	48.95 3.88 0.00	52.85 4.36 0.00	57.79 4.97 0.00	65.97 6.11 1.29	74.27 7.27 1.54	102.93 7.65 -27.60	121.22 10.03 -22.39	130.45 10.23 -31.28	150.99 10.35 -47.37	115.27 9.11 -22.62	81.66 5.96 -18.96	66.84 5.01 -11.25	66.70 4.06 -19.93	57.77 3.01 -17.54	46.70 2.69 -7.70
HIGH_RIVER___SOLAR 323847	42.05 2.27 -3.14	38.29 2.10 0.00	35.67 1.92 0.00	33.46 1.77 0.00	32.83 1.74 0.00	35.64 1.92 0.00	40.97 1.70 -3.03	41.55 1.71 -3.53	51.61 1.98 -10.10	47.33 2.25 0.00	50.81 2.33 0.00	55.41 2.59 0.00	66.78 3.42 -2.22	80.09 3.70 -7.84	132.08 3.58 -60.81	152.80 4.79 -59.21	166.72 4.89 -72.89	194.12 5.60 -95.25	194.14 5.27 -105.33	152.74 3.63 -92.36	118.45 3.29 -64.59	77.31 2.69 -31.91	63.36 2.12 -24.02	48.82 1.96 -10.55

HILLBURN___GT 23639	41.71 2.93 -2.14	38.58 2.39 0.00	36.05 2.30 0.00	33.84 2.16 0.00	33.14 2.05 0.00	35.94 2.22 0.00	40.79 2.43 -2.12	41.51 2.72 -2.47	44.74 3.24 -1.96	48.86 3.79 0.00	52.75 4.27 0.00	57.63 4.81 0.00	67.82 5.75 -0.93	79.37 6.92 -3.90	113.18 7.31 -38.19	134.67 9.59 -36.28	143.88 9.52 -45.41	163.61 9.70 -60.64	126.92 8.43 -34.94	89.49 5.50 -27.25	69.37 4.45 -14.34	67.52 3.63 -21.18	57.00 3.09 -16.69	46.26 2.62 -7.33
HILLSIDE_115KV_TB1 80332	37.18 -0.33 -0.87	35.75 -0.83 -0.39	33.29 -0.84 -0.38	31.24 -0.63 -0.19	30.63 -0.62 -0.16	33.28 -0.78 -0.34	36.15 -0.98 -0.88	36.82 -0.44 -0.94	40.58 -0.08 -1.12	45.89 0.09 -0.73	49.02 -0.15 -0.68	54.28 0.16 -1.30	62.63 0.43 -1.06	71.00 0.69 -1.77	77.71 0.74 -9.28	99.23 0.89 -9.55	100.54 0.09 -11.50	107.83 0.09 -14.46	91.47 0.25 -7.67	61.98 -0.11 -5.34	53.95 0.30 -3.07	47.51 -0.21 -5.01	41.05 -0.41 -4.24	38.04 -0.36 -2.09
HISHELDN_WT_PWR 323625	36.18 -0.84 -0.38	34.89 -1.30 0.00	32.03 -1.72 0.00	30.29 -1.39 0.00	29.76 -1.34 0.00	32.06 -1.65 0.00	34.66 -1.96 -0.38	34.83 -1.93 -0.44	38.36 -1.54 -0.36	43.48 -1.58 0.02	46.32 -1.89 0.27	51.03 -1.80 0.00	58.46 -2.14 0.54	67.03 -1.78 -0.27	71.01 -2.23 -5.56	90.97 -2.85 -5.02	92.51 -2.93 -6.50	99.36 -2.99 -9.07	85.75 -2.34 -4.55	58.77 -1.53 -3.56	51.35 -1.06 -1.84	44.74 -1.37 -3.40	38.85 -1.15 -2.79	36.70 -0.83 -1.22
HOLTSVILLE_IC_1 23690	86.35 4.36 -45.36	62.44 3.76 -22.49	54.76 3.51 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.04 4.21 -10.52	67.61 4.90 -23.17	86.01 5.54 -35.39	103.90 6.01 -49.40	126.41 6.50 -67.09	127.00 7.64 -58.22	154.49 8.98 -76.96	197.19 9.27 -120.23	246.66 12.17 -145.70	254.15 11.92 -153.29	298.28 12.22 -192.79	250.45 10.94 -155.96	234.19 7.49 -169.95	211.04 6.27 -154.19	145.69 5.12 -97.86	98.28 4.54 -56.52	98.12 4.03 -57.77
HOLTSVILLE_IC_10 23699	86.65 4.65 -45.36	62.66 3.98 -22.49	54.96 3.71 -17.50	50.08 3.39 -15.01	45.89 3.29 -11.50	49.91 3.57 -12.62	46.00 3.95 -5.81	51.26 4.43 -10.52	67.92 5.22 -23.17	86.41 5.95 -35.39	104.82 6.50 -49.84	128.85 7.08 -68.95	129.39 8.25 -60.00	159.56 9.73 -81.29	203.41 10.02 -125.70	254.65 13.06 -152.80	257.84 12.81 -156.08	303.81 13.15 -197.39	258.70 11.70 -163.46	244.19 8.11 -179.33	219.07 6.78 -161.72	148.92 5.55 -100.66	98.62 4.87 -56.53	98.41 4.32 -57.78
HOLTSVILLE_IC_2 23691	86.35 4.36 -45.36	62.44 3.76 -22.49	54.76 3.51 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.04 4.21 -10.52	67.61 4.90 -23.17	86.01 5.54 -35.39	103.90 6.01 -49.40	126.41 6.50 -67.09	127.00 7.64 -58.22	154.49 8.98 -76.96	197.19 9.27 -120.23	246.66 12.17 -145.70	254.15 11.92 -153.29	298.28 12.22 -192.79	250.45 10.94 -155.96	234.19 7.49 -169.95	211.04 6.27 -154.19	145.69 5.12 -97.86	98.28 4.54 -56.52	98.12 4.03 -57.77
HOLTSVILLE_IC_3 23692	86.35 4.36 -45.36	62.44 3.76 -22.49	54.76 3.51 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.04 4.21 -10.52	67.61 4.90 -23.17	86.01 5.54 -35.39	103.90 6.01 -49.40	126.41 6.50 -67.09	127.00 7.64 -58.22	154.49 8.98 -76.96	197.19 9.27 -120.23	246.66 12.17 -145.70	254.15 11.92 -153.29	298.28 12.22 -192.79	250.45 10.94 -155.96	234.19 7.49 -169.95	211.04 6.27 -154.19	145.69 5.12 -97.86	98.28 4.54 -56.52	98.12 4.03 -57.77
HOLTSVILLE_IC_4 23693	86.35 4.36 -45.36	62.44 3.76 -22.49	54.76 3.51 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.04 4.21 -10.52	67.61 4.90 -23.17	86.01 5.54 -35.39	103.90 6.01 -49.40	126.41 6.50 -67.09	127.00 7.64 -58.22	154.49 8.98 -76.96	197.19 9.27 -120.23	246.66 12.17 -145.70	254.15 11.92 -153.29	298.28 12.22 -192.79	250.45 10.94 -155.96	234.19 7.49 -169.95	211.04 6.27 -154.19	145.69 5.12 -97.86	98.28 4.54 -56.52	98.12 4.03 -57.77
HOLTSVILLE_IC_5 23694	86.35 4.36 -45.36	62.44 3.76 -22.49	54.76 3.51 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.04 4.21 -10.52	67.61 4.90 -23.17	86.01 5.54 -35.39	103.90 6.01 -49.40	126.41 6.50 -67.09	127.00 7.64 -58.22	154.49 8.98 -76.96	197.19 9.27 -120.23	246.66 12.17 -145.70	254.15 11.92 -153.29	298.28 12.22 -192.79	250.45 10.94 -155.96	234.19 7.49 -169.95	211.04 6.27 -154.19	145.69 5.12 -97.86	98.28 4.54 -56.52	98.12 4.03 -57.77
HOLTSVILLE_IC_6 23695	86.65 4.65 -45.36	62.66 3.98 -22.49	54.96 3.71 -17.50	50.08 3.39 -15.01	45.89 3.29 -11.50	49.91 3.57 -12.62	46.00 3.95 -5.81	51.26 4.43 -10.52	67.92 5.22 -23.17	86.41 5.95 -35.39	104.82 6.50 -49.84	128.85 7.08 -68.95	129.39 8.25 -60.00	159.56 9.73 -81.29	203.41 10.02 -125.70	254.65 13.06 -152.80	257.84 12.81 -156.08	303.81 13.15 -197.39	258.70 11.70 -163.46	244.19 8.11 -179.33	219.07 6.78 -161.72	148.92 5.55 -100.66	98.62 4.87 -56.53	98.41 4.32 -57.78
HOLTSVILLE_IC_7 23696	86.65 4.65 -45.36	62.66 3.98 -22.49	54.96 3.71 -17.50	50.08 3.39 -15.01	45.89 3.29 -11.50	49.91 3.57 -12.62	46.00 3.95 -5.81	51.26 4.43 -10.52	67.92 5.22 -23.17	86.41 5.95 -35.39	104.82 6.50 -49.84	128.85 7.08 -68.95	129.39 8.25 -60.00	159.56 9.73 -81.29	203.41 10.02 -125.70	254.65 13.06 -152.80	257.84 12.81 -156.08	303.81 13.15 -197.39	258.70 11.70 -163.46	244.19 8.11 -179.33	219.07 6.78 -161.72	148.92 5.55 -100.66	98.62 4.87 -56.53	98.41 4.32 -57.78
HOLTSVILLE_IC_8 23697	86.65 4.65 -45.36	62.66 3.98 -22.49	54.96 3.71 -17.50	50.08 3.39 -15.01	45.89 3.29 -11.50	49.91 3.57 -12.62	46.00 3.95 -5.81	51.26 4.43 -10.52	67.92 5.22 -23.17	86.41 5.95 -35.39	104.82 6.50 -49.84	128.85 7.08 -68.95	129.39 8.25 -60.00	159.56 9.73 -81.29	203.41 10.02 -125.70	254.65 13.06 -152.80	257.84 12.81 -156.08	303.81 13.15 -197.39	258.70 11.70 -163.46	244.19 8.11 -179.33	219.07 6.78 -161.72	148.92 5.55 -100.66	98.62 4.87 -56.53	98.41 4.32 -57.78
HOLTSVILLE_IC_9 23698	86.65 4.65 -45.36	62.66 3.98 -22.49	54.96 3.71 -17.50	50.08 3.39 -15.01	45.89 3.29 -11.50	49.91 3.57 -12.62	46.00 3.95 -5.81	51.26 4.43 -10.52	67.92 5.22 -23.17	86.41 5.95 -35.39	104.82 6.50 -49.84	128.85 7.08 -68.95	129.39 8.25 -60.00	159.56 9.73 -81.29	203.41 10.02 -125.70	254.65 13.06 -152.80	257.84 12.81 -156.08	303.81 13.15 -197.39	258.70 11.70 -163.46	244.19 8.11 -179.33	219.07 6.78 -161.72	148.92 5.55 -100.66	98.62 4.87 -56.53	98.41 4.32 -57.78
HOMER_HL_115KV_TB2 355744	35.57 -1.47 -0.40	34.42 -1.77 0.00	31.96 -1.79 0.00	30.29 -1.39 0.00	29.69 -1.40 0.00	32.03 -1.69 0.00	33.92 -2.72 -0.40	34.31 -2.47 -0.47	38.11 -1.82 -0.39	43.21 -1.85 0.02	45.13 -3.10 0.25	49.87 -2.96 0.00	57.45 -3.18 0.51	65.95 -2.88 -0.28	70.95 -2.64 -5.91	90.49 -3.64 -5.33	92.38 -3.47 -6.91	99.18 -3.73 -9.64	85.22 -3.17 -4.85	57.99 -2.55 -3.80	51.59 -0.96 -1.97	44.23 -2.09 -3.61	38.02 -2.16 -2.96	35.98 -1.63 -1.30
HOWARD_WT_PWR 323690	37.23 -0.07 -0.67	36.04 -0.43 -0.27	33.28 -0.74 -0.27	31.35 -0.47 -0.14	30.77 -0.44 -0.12	33.38 -0.57 -0.24	36.12 -0.80 -0.68	36.46 -0.58 -0.73	40.18 -0.20 -0.84	45.58 0.00 -0.51	48.62 -0.24 -0.38	53.81 0.05 -0.93	61.63 -0.06 -0.56	69.91 0.07 -1.30	74.33 -0.74 -7.39	94.71 -1.60 -7.51	95.66 -2.40 -9.11	102.89 -1.96 -11.58	88.94 -0.67 -6.06	60.95 -0.06 -4.26	53.49 0.51 -2.41	46.67 -0.09 -4.05	40.49 -0.11 -3.38	38.04 0.07 -1.65

HQ_GEN_CEDARS 23644	34.92 -1.72 0.00	34.93 -1.27 0.00	32.60 -1.15 0.00	30.58 -1.11 0.00	30.00 -1.09 0.00	32.60 -1.11 0.00	35.05 -1.20 0.00	35.04 -1.27 0.00	37.76 -1.78 0.00	42.82 -2.25 0.00	37.03 -2.57 8.88	37.67 -2.91 12.25	45.47 -3.42 12.25	37.53 -4.11 26.90	34.35 -4.26 29.07	37.03 -5.51 46.26	37.03 -5.60 46.31	37.03 -5.69 50.55	66.03 -5.26 12.25	35.46 -3.06 18.22	36.01 -2.73 11.83	38.80 -2.14 1.77	35.69 -1.53 0.00	34.90 -1.42 0.00
HQ_GEN_CEDARS_PROXY 323590	34.92 -1.72 0.00	34.89 -1.30 0.00	32.60 -1.15 0.00	30.58 -1.11 0.00	30.00 -1.09 0.00	32.60 -1.11 0.00	35.05 -1.20 0.00	35.08 -1.23 0.00	37.76 -1.78 0.00	42.82 -2.25 0.00	37.03 -2.57 8.88	37.67 -2.91 12.25	43.63 -3.42 14.09	37.03 -4.11 27.40	37.03 -3.93 26.73	37.03 -5.51 46.26	37.03 -5.60 46.31	37.03 -5.69 50.55	66.03 -5.26 12.25	37.03 -3.23 16.48	37.03 -2.68 10.86	37.03 -2.01 3.67	34.85 -1.56 0.81	34.93 -1.38 0.00
HQ_GEN_IMPORT 323601	35.61 -1.03 0.00	35.47 -0.72 0.00	33.11 -0.64 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.11 -0.61 0.00	35.48 -0.76 0.00	35.48 -0.83 0.00	38.47 -1.07 0.00	43.77 -1.31 0.00	47.33 -1.45 -0.30	51.60 -1.64 -0.41	57.75 -1.96 1.43	66.47 -2.26 -0.19	68.90 -2.10 -3.32	87.42 -2.93 -1.55	87.56 -2.93 -1.55	91.98 -2.99 -1.69	81.28 -2.68 -0.41	57.34 -1.76 -2.35	50.42 -1.52 -1.36	39.72 -1.15 1.84	35.48 -0.93 0.81	35.48 -0.83 0.00
HQ_GEN_WHEEL 23651	35.61 -1.03 0.00	35.47 -0.72 0.00	33.11 -0.64 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.11 -0.61 0.00	35.48 -0.76 0.00	35.48 -0.83 0.00	38.47 -1.07 0.00	43.77 -1.31 0.00	47.33 -1.45 -0.30	51.60 -1.64 -0.41	57.75 -1.96 1.43	66.47 -2.26 -0.19	68.90 -2.10 -3.32	87.42 -2.93 -1.55	87.56 -2.93 -1.55	91.98 -2.99 -1.69	81.28 -2.68 -0.41	57.34 -1.76 -2.35	50.42 -1.52 -1.36	39.72 -1.15 1.84	35.48 -0.93 0.81	35.48 -0.83 0.00
HUDSON AVE_GT_3 23810	42.48 3.55 -2.28	39.31 3.11 0.00	36.59 2.84 0.00	34.28 2.60 0.00	33.61 2.52 0.00	36.45 2.73 0.00	41.51 3.01 -2.26	42.36 3.41 -2.63	45.54 3.91 -2.09	49.54 4.46 0.00	53.52 5.04 0.00	58.48 5.65 0.00	68.83 6.60 -1.09	80.88 7.95 -4.39	117.43 8.53 -41.21	139.21 11.10 -39.31	148.87 10.85 -49.07	169.49 10.91 -65.31	131.16 9.69 -37.93	92.70 6.41 -29.54	71.27 5.16 -15.54	69.52 4.14 -22.67	58.23 3.54 -17.47	47.00 3.01 -7.67
HUDSON AVE_GT_4 23540	42.48 3.55 -2.28	39.31 3.11 0.00	36.59 2.84 0.00	34.28 2.60 0.00	33.61 2.52 0.00	36.45 2.73 0.00	41.51 3.01 -2.26	42.36 3.41 -2.63	45.54 3.91 -2.09	49.54 4.46 0.00	53.52 5.04 0.00	58.48 5.65 0.00	68.83 6.60 -1.09	80.88 7.95 -4.39	117.43 8.53 -41.21	139.21 11.10 -39.31	148.87 10.85 -49.07	169.49 10.91 -65.31	131.16 9.69 -37.93	92.70 6.41 -29.54	71.27 5.16 -15.54	69.52 4.14 -22.67	58.23 3.54 -17.47	47.00 3.01 -7.67
HUDSON AVE_GT_5 23657	42.48 3.55 -2.28	39.31 3.11 0.00	36.59 2.84 0.00	34.28 2.60 0.00	33.61 2.52 0.00	36.45 2.73 0.00	41.51 3.01 -2.26	42.36 3.41 -2.63	45.54 3.91 -2.09	49.54 4.46 0.00	53.52 5.04 0.00	58.48 5.65 0.00	68.83 6.60 -1.09	80.88 7.95 -4.39	117.43 8.53 -41.21	139.21 11.10 -39.31	148.87 10.85 -49.07	169.49 10.91 -65.31	131.16 9.69 -37.93	92.70 6.41 -29.54	71.27 5.16 -15.54	69.52 4.14 -22.67	58.23 3.54 -17.47	47.00 3.01 -7.67
HUDSON_AVE_10 24168	42.37 3.44 -2.28	39.20 3.00 0.00	36.48 2.73 0.00	34.19 2.50 0.00	33.52 2.43 0.00	36.35 2.63 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.46 3.84 -2.09	49.45 4.37 0.00	53.43 4.95 0.00	58.32 5.49 0.00	68.71 6.48 -1.09	80.75 7.81 -4.39	117.29 8.39 -41.21	139.03 10.92 -39.31	148.69 10.67 -49.07	169.31 10.73 -65.31	131.08 9.61 -37.93	92.64 6.36 -29.54	71.17 5.06 -15.54	69.44 4.06 -22.67	58.15 3.46 -17.47	46.89 2.91 -7.67
HUDSON___115KV_TB 4 355613	41.71 2.23 -2.84	38.40 2.21 0.00	35.74 1.99 0.00	33.52 1.84 0.00	32.90 1.80 0.00	35.71 1.99 0.00	41.15 2.10 -2.80	41.62 2.03 -3.27	46.70 2.13 -5.03	47.47 2.39 0.00	50.96 2.47 0.00	55.05 2.22 0.00	51.10 2.63 12.67	41.98 3.02 29.58	40.72 2.91 29.87	40.96 3.91 51.74	48.21 4.18 44.91	72.34 4.94 25.87	46.17 4.59 41.97	35.47 3.06 24.34	48.78 2.78 4.57	56.40 2.14 -11.55	60.74 1.82 -21.70	47.58 1.74 -9.53
HUNTER MOUNT___DRP 323613	41.69 2.31 -2.75	38.58 2.39 0.00	35.91 2.16 0.00	33.68 2.00 0.00	33.05 1.96 0.00	35.91 2.19 0.00	41.17 2.21 -2.71	41.59 2.11 -3.17	46.24 2.25 -4.45	47.69 2.61 0.00	51.10 2.62 0.00	55.10 2.27 0.00	54.25 2.63 9.52	49.65 2.88 21.78	57.41 2.78 13.05	62.13 3.73 30.40	70.28 4.09 22.75	94.11 4.94 4.10	65.42 4.68 22.80	48.58 3.06 11.23	54.04 2.88 -0.58	59.32 2.18 -14.43	60.01 1.79 -21.00	47.31 1.78 -9.22
HUNTINGTON_RES_REC 323705	86.10 4.10 -45.36	62.15 3.47 -22.49	54.49 3.24 -17.50	49.64 2.95 -15.01	45.45 2.86 -11.50	49.44 3.10 -12.62	45.49 3.44 -5.81	50.72 3.89 -10.52	67.29 4.58 -23.17	85.74 5.27 -35.39	112.41 6.21 -57.72	163.00 6.71 -103.46	161.98 7.77 -93.07	226.38 9.19 -148.64	282.32 9.34 -205.29	375.04 12.26 -273.98	305.11 12.19 -203.98	385.86 12.50 -280.08	396.97 11.03 -302.40	417.57 7.61 -353.22	336.79 6.37 -279.84	182.02 5.25 -134.06	98.09 4.32 -56.55	97.89 3.78 -57.80
HUNTLEY___63 23557	36.13 -0.84 -0.33	34.17 -2.03 0.00	31.73 -2.03 0.00	30.16 -1.52 0.00	29.54 -1.55 0.00	31.73 -1.99 0.00	34.29 -2.28 -0.33	34.41 -2.29 -0.38	37.71 -2.13 -0.31	42.80 -2.25 0.02	45.61 -2.57 0.30	50.29 -2.54 0.00	57.47 -3.06 0.61	65.97 -2.81 -0.23	69.64 -2.91 -4.87	88.93 -4.26 -4.39	90.37 -4.27 -5.69	96.64 -4.57 -7.94	81.98 -3.68 -2.12	55.33 -2.67 -1.25	48.96 -1.62 0.00	44.32 -1.37 -2.98	38.21 -1.45 -2.44	36.30 -1.09 -1.07
HUNTLEY___64 23558	36.13 -0.84 -0.33	34.17 -2.03 0.00	31.73 -2.03 0.00	30.16 -1.52 0.00	29.54 -1.55 0.00	31.73 -1.99 0.00	34.29 -2.28 -0.33	34.41 -2.29 -0.38	37.71 -2.13 -0.31	42.80 -2.25 0.02	45.61 -2.57 0.30	50.29 -2.54 0.00	57.47 -3.06 0.61	65.97 -2.81 -0.23	69.64 -2.91 -4.87	88.93 -4.26 -4.39	90.37 -4.27 -5.69	96.64 -4.57 -7.94	81.98 -3.68 -2.12	55.33 -2.67 -1.25	48.96 -1.62 0.00	44.32 -1.37 -2.98	38.21 -1.45 -2.44	36.30 -1.09 -1.07
HUNTLEY___65 23559	36.13 -0.84 -0.33	34.17 -2.03 0.00	31.73 -2.03 0.00	30.16 -1.52 0.00	29.54 -1.55 0.00	31.73 -1.99 0.00	34.29 -2.28 -0.33	34.41 -2.29 -0.38	37.71 -2.13 -0.31	42.80 -2.25 0.02	45.61 -2.57 0.30	50.29 -2.54 0.00	57.47 -3.06 0.61	65.97 -2.81 -0.23	69.64 -2.91 -4.87	88.93 -4.26 -4.39	90.37 -4.27 -5.69	96.64 -4.57 -7.94	81.98 -3.68 -2.12	55.33 -2.67 -1.25	48.96 -1.62 0.00	44.32 -1.37 -2.98	38.21 -1.45 -2.44	36.30 -1.09 -1.07
HUNTLEY___66 23560	36.13 -0.84 -0.33	34.17 -2.03 0.00	31.73 -2.03 0.00	30.16 -1.52 0.00	29.54 -1.55 0.00	31.73 -1.99 0.00	34.29 -2.28 -0.33	34.41 -2.29 -0.38	37.71 -2.13 -0.31	42.80 -2.25 0.02	45.61 -2.57 0.30	50.29 -2.54 0.00	57.47 -3.06 0.61	65.97 -2.81 -0.23	69.64 -2.91 -4.87	88.93 -4.26 -4.39	90.37 -4.27 -5.69	96.64 -4.57 -7.94	81.98 -3.68 -2.12	55.33 -2.67 -1.25	48.96 -1.62 0.00	44.32 -1.37 -2.98	38.21 -1.45 -2.44	36.30 -1.09 -1.07

HUNTLEY___67 23561	35.88 -1.10 -0.34	34.06 -2.14 0.00	31.62 -2.13 0.00	30.04 -1.65 0.00	29.41 -1.68 0.00	31.66 -2.06 0.00	34.19 -2.39 -0.34	34.31 -2.40 -0.39	37.60 -2.25 -0.32	42.62 -2.43 0.02	45.57 -2.62 0.30	50.24 -2.59 0.00	57.48 -3.06 0.60	66.04 -2.74 -0.24	69.82 -2.84 -4.97	89.20 -4.08 -4.49	90.67 -4.09 -5.82	97.10 -4.29 -8.12	82.20 -3.51 -2.16	55.53 -2.50 -1.28	49.01 -1.57 0.00	44.26 -1.49 -3.04	38.15 -1.56 -2.49	36.21 -1.20 -1.09
HUNTLEY___68 23562	35.88 -1.10 -0.34	34.06 -2.14 0.00	31.62 -2.13 0.00	30.04 -1.65 0.00	29.41 -1.68 0.00	31.66 -2.06 0.00	34.19 -2.39 -0.34	34.31 -2.40 -0.39	37.60 -2.25 -0.32	42.62 -2.43 0.02	45.57 -2.62 0.30	50.24 -2.59 0.00	57.48 -3.06 0.60	66.04 -2.74 -0.24	69.82 -2.84 -4.97	89.20 -4.08 -4.49	90.67 -4.09 -5.82	97.10 -4.29 -8.12	82.20 -3.51 -2.16	55.53 -2.50 -1.28	49.01 -1.57 0.00	44.26 -1.49 -3.04	38.15 -1.56 -2.49	36.21 -1.20 -1.09
HYLAND___LFG 323620	37.33 0.33 -0.36	35.83 -0.36 0.00	33.01 -0.74 0.00	31.12 -0.57 0.00	30.59 -0.50 0.00	33.11 -0.61 0.00	35.95 -0.65 -0.36	35.79 -0.94 -0.42	38.34 -1.54 -0.35	42.85 -2.21 0.02	45.70 -2.52 0.26	50.50 -2.32 0.00	53.82 -6.79 0.53	61.33 -7.47 -0.25	65.20 -7.78 -5.29	83.00 -10.57 -4.78	84.91 -10.23 -6.19	92.40 -9.51 -8.64	80.68 -7.19 -4.32	56.49 -3.63 -3.38	53.02 0.71 -1.74	46.21 0.26 -3.24	40.19 0.30 -2.67	37.74 0.26 -1.17
INDECK___CORINTH 23802	41.91 2.24 -3.03	38.40 2.21 0.00	35.71 1.96 0.00	33.46 1.77 0.00	32.80 1.71 0.00	35.67 1.95 0.00	41.59 2.35 -2.99	42.24 2.43 -3.49	51.98 2.93 -9.52	48.41 3.34 0.00	51.59 3.11 0.00	56.31 3.49 0.00	69.31 4.10 -4.07	84.56 3.63 -12.39	140.94 3.38 -69.87	164.42 4.61 -71.01	178.52 4.62 -84.95	205.76 5.78 -106.70	205.97 5.76 -116.67	160.94 3.91 -100.28	122.51 3.95 -67.99	78.97 3.08 -33.19	62.77 2.35 -23.21	48.61 2.11 -10.19
INDECK___ILION 23567	37.52 0.88 0.00	36.99 0.80 0.00	34.46 0.71 0.00	32.35 0.67 0.00	31.75 0.65 0.00	34.42 0.71 0.00	37.08 0.83 0.00	37.15 0.84 0.00	40.53 0.99 0.00	46.25 1.17 0.00	49.61 1.26 0.13	54.02 1.37 0.18	62.55 1.59 0.18	69.84 1.65 0.35	68.81 1.56 0.44	90.14 2.04 0.69	90.29 2.05 0.70	94.75 2.24 0.76	85.37 2.01 0.18	57.78 1.31 0.27	51.61 1.21 0.18	43.67 0.98 0.03	38.00 0.78 0.00	37.15 0.84 0.00
INDECK___OLEAN 23982	35.57 -1.47 -0.40	34.71 -1.49 0.00	31.96 -1.79 0.00	30.26 -1.43 0.00	29.66 -1.43 0.00	32.03 -1.68 0.00	33.92 -2.72 -0.40	34.27 -2.51 -0.47	38.11 -1.82 -0.39	43.21 -1.85 0.02	45.18 -3.05 0.25	49.87 -2.96 0.00	57.45 -3.18 0.51	65.88 -2.95 -0.28	70.62 -2.98 -5.91	90.48 -3.64 -5.33	92.38 -3.47 -6.91	99.18 -3.73 -9.64	85.22 -3.17 -4.85	58.16 -2.38 -3.80	51.33 -1.21 -1.97	43.98 -2.35 -3.61	37.98 -2.20 -2.95	35.98 -1.63 -1.30
INDECK___OSWEGO 23783	38.53 -0.62 -2.51	38.35 -0.80 -2.95	35.79 -0.84 -2.88	32.38 -0.76 -1.46	31.59 -0.75 -1.24	35.49 -0.81 -2.59	38.10 -0.80 -2.65	37.95 -0.76 -2.40	43.02 -0.79 -4.27	49.90 -0.81 -5.63	54.09 -0.82 -6.44	60.85 -0.90 -8.92	70.34 -0.98 -10.18	76.64 -1.17 -9.26	77.54 -1.22 -11.07	105.09 -1.51 -17.80	104.67 -1.51 -17.24	104.80 -1.59 -13.11	90.39 -1.42 -8.27	56.87 -0.96 -1.09	51.78 -0.86 -2.06	44.42 -0.81 -2.52	38.57 -0.74 -2.09	38.20 -0.69 -2.58
INDECK___YERKES 23781	36.16 -0.81 -0.33	34.78 -1.41 0.00	31.79 -1.96 0.00	30.10 -1.58 0.00	29.54 -1.55 0.00	31.76 -1.96 0.00	34.32 -2.25 -0.33	34.41 -2.29 -0.38	37.79 -2.06 -0.31	42.85 -2.21 0.02	45.61 -2.57 0.30	50.24 -2.59 0.00	57.42 -3.12 0.61	65.96 -2.81 -0.23	69.17 -3.38 -4.87	88.84 -4.35 -4.39	90.37 -4.27 -5.69	96.64 -4.57 -7.94	81.99 -3.67 -2.12	55.61 -2.38 -1.25	48.60 -1.97 0.00	43.90 -1.79 -2.98	38.20 -1.45 -2.44	36.33 -1.05 -1.07
INDIAN POINT_GT_1 24139	41.93 3.04 -2.25	38.84 2.64 0.00	36.18 2.43 0.00	33.90 2.22 0.00	33.27 2.18 0.00	36.04 2.33 0.00	41.04 2.57 -2.23	41.75 2.83 -2.60	44.96 3.36 -2.06	48.95 3.88 0.00	52.80 4.31 0.00	57.69 4.86 0.00	68.01 5.81 -1.06	79.90 7.06 -4.29	115.72 7.45 -40.58	137.25 9.77 -38.69	146.86 9.61 -48.31	167.40 9.79 -64.33	129.55 8.69 -37.32	91.55 5.73 -29.07	70.57 4.70 -15.29	68.86 3.80 -22.35	57.66 3.20 -17.24	46.57 2.69 -7.57
INDIAN POINT_GT_2 23659	41.93 3.04 -2.25	38.84 2.64 0.00	36.18 2.43 0.00	33.90 2.22 0.00	33.27 2.18 0.00	36.04 2.33 0.00	41.04 2.57 -2.23	41.75 2.83 -2.60	44.96 3.36 -2.06	48.95 3.88 0.00	52.80 4.31 0.00	57.69 4.86 0.00	68.01 5.81 -1.06	79.90 7.06 -4.29	115.72 7.45 -40.58	137.25 9.77 -38.69	146.86 9.61 -48.31	167.40 9.79 -64.33	129.55 8.69 -37.32	91.55 5.73 -29.07	70.57 4.70 -15.29	68.86 3.80 -22.35	57.66 3.20 -17.24	46.57 2.69 -7.57
INDIAN POINT_GT_3 24019	41.93 3.04 -2.25	38.84 2.64 0.00	36.18 2.43 0.00	33.90 2.22 0.00	33.27 2.18 0.00	36.04 2.33 0.00	41.04 2.57 -2.23	41.75 2.83 -2.60	44.96 3.36 -2.06	48.95 3.88 0.00	52.80 4.31 0.00	57.69 4.86 0.00	68.01 5.81 -1.06	79.90 7.06 -4.29	115.72 7.45 -40.58	137.25 9.77 -38.69	146.86 9.61 -48.31	167.40 9.79 -64.33	129.55 8.69 -37.32	91.55 5.73 -29.07	70.57 4.70 -15.29	68.86 3.80 -22.35	57.66 3.20 -17.24	46.57 2.69 -7.57
INDIAN POINT___2 23530	41.78 2.93 -2.21	38.62 2.43 0.00	36.08 2.33 0.00	33.84 2.16 0.00	33.18 2.08 0.00	35.98 2.26 0.00	40.90 2.47 -2.19	41.63 2.76 -2.55	44.80 3.24 -2.02	48.82 3.74 0.00	52.70 4.22 0.00	57.58 4.76 0.00	67.77 5.62 -1.01	79.55 6.85 -4.15	114.57 7.17 -39.71	136.02 9.41 -37.81	145.54 9.34 -47.26	165.78 9.52 -62.99	128.35 8.35 -36.45	90.65 5.50 -28.40	69.97 4.45 -14.94	68.27 3.63 -21.93	57.48 3.09 -17.18	46.43 2.58 -7.54
INDIAN POINT___3 23531	41.82 2.93 -2.25	38.73 2.53 0.00	36.08 2.33 0.00	33.84 2.15 0.00	33.21 2.11 0.00	35.97 2.26 0.00	40.97 2.50 -2.23	41.67 2.76 -2.60	44.84 3.24 -2.06	48.82 3.74 0.00	52.70 4.22 0.00	57.53 4.70 0.00	67.76 5.56 -1.06	79.63 6.79 -4.30	115.48 7.17 -40.62	136.85 9.32 -38.73	146.55 9.25 -48.36	167.08 9.42 -64.39	129.17 8.27 -37.36	91.30 5.45 -29.11	70.33 4.45 -15.31	68.67 3.59 -22.37	57.52 3.05 -17.25	46.50 2.61 -7.57
INGHAM_C_115KV_TB7 356103	37.99 1.36 0.00	37.42 1.23 0.00	34.86 1.11 0.00	32.73 1.05 0.00	32.12 1.03 0.00	34.86 1.15 0.00	37.55 1.30 0.00	37.62 1.31 0.00	41.00 1.46 0.00	46.83 1.76 0.00	50.24 1.89 0.13	54.70 2.06 0.18	63.34 2.38 0.18	70.59 2.40 0.35	69.62 2.37 0.44	91.12 3.02 0.69	91.27 3.02 0.70	95.78 3.26 0.76	86.37 3.01 0.18	58.46 1.99 0.27	52.22 1.82 0.18	44.18 1.49 0.03	38.45 1.23 0.00	37.66 1.34 0.00
IP CORINTH___1 23988	42.12 2.45 -3.03	38.62 2.42 0.00	35.88 2.13 0.00	33.62 1.93 0.00	32.99 1.90 0.00	35.87 2.16 0.00	41.77 2.54 -2.99	42.42 2.61 -3.49	52.18 3.12 -9.52	48.68 3.61 0.00	51.88 3.39 0.00	56.58 3.75 0.00	69.67 4.46 -4.07	84.98 4.04 -12.39	141.35 3.79 -69.87	164.87 5.06 -71.01	179.05 5.16 -84.95	206.22 6.25 -106.70	206.48 6.27 -116.67	161.17 4.14 -100.28	122.81 4.25 -67.99	79.23 3.33 -33.19	62.94 2.53 -23.19	48.82 2.32 -10.18

IP___TICONDEROGA 23804	44.39 4.73 -3.03	40.75 4.56 0.00	37.77 4.02 0.00	35.39 3.71 0.00	34.70 3.61 0.00	37.80 4.08 0.00	44.05 4.82 -2.99	44.67 4.87 -3.49	54.72 5.73 -9.45	51.57 6.49 0.00	55.03 6.55 0.00	60.12 7.29 0.00	73.98 8.56 -4.28	89.82 8.36 -12.92	146.72 7.99 -71.05	171.76 10.48 -72.48	186.01 10.58 -86.49	214.18 12.68 -108.23	213.19 11.86 -117.78	165.68 7.94 -100.99	126.43 7.69 -68.17	82.18 6.06 -33.40	65.03 4.65 -23.16	50.84 4.36 -10.17
ISLIP_RES_REC 323679	86.91 4.91 -45.36	62.91 4.23 -22.49	55.19 3.95 -17.50	50.27 3.58 -15.01	46.07 3.48 -11.50	50.11 3.78 -12.62	46.22 4.17 -5.81	51.52 4.69 -10.52	68.24 5.53 -23.17	86.82 6.36 -35.39	104.79 6.98 -49.33	127.14 7.66 -66.66	127.88 8.93 -57.81	156.34 10.49 -77.31	199.72 10.76 -121.27	248.00 14.02 -145.17	255.87 13.87 -153.06	299.55 14.27 -192.01	250.42 12.62 -154.26	233.24 8.68 -167.82	212.65 7.28 -154.79	147.93 5.98 -99.24	98.92 5.17 -56.53	98.70 4.61 -57.78
JAMAICA__27_KV_LOAD 355505	42.73 3.81 -2.28	39.45 3.26 0.00	36.69 2.94 0.00	34.38 2.69 0.00	33.64 2.55 0.00	36.55 2.83 0.00	41.65 3.15 -2.26	42.58 3.63 -2.63	45.85 4.23 -2.09	49.90 4.82 0.00	53.96 5.48 0.00	58.90 6.08 0.00	69.38 7.15 -1.09	81.50 8.57 -4.39	118.24 9.34 -41.21	140.36 12.25 -39.31	150.02 12.01 -49.07	170.71 12.13 -65.31	132.33 10.86 -37.93	93.61 7.32 -29.54	71.93 5.82 -15.54	69.99 4.61 -22.67	58.53 3.83 -17.47	47.18 3.20 -7.67
JANIS___SOLAR 323808	39.69 2.01 -1.03	38.46 1.70 -0.56	35.68 1.38 -0.55	33.32 1.36 -0.28	32.73 1.40 -0.24	35.73 1.52 -0.49	39.19 1.88 -1.06	39.35 1.92 -1.11	43.13 2.05 -1.54	48.48 2.34 -1.06	51.88 2.28 -1.12	57.60 2.80 -1.98	66.23 3.18 -1.91	73.92 2.88 -2.50	80.26 2.57 -10.01	103.44 3.82 -10.82	105.65 4.01 -12.70	113.32 4.75 -15.30	96.64 4.84 -8.25	65.47 3.29 -5.44	56.97 3.14 -3.25	50.17 2.35 -5.11	43.15 1.79 -4.15	40.59 2.11 -2.17
JARVIS____ 23743	37.08 0.44 0.00	36.56 0.36 0.00	34.09 0.34 0.00	32.00 0.32 0.00	31.40 0.31 0.00	34.05 0.34 0.00	36.64 0.40 0.00	36.71 0.40 0.00	40.01 0.48 0.00	45.66 0.58 0.00	48.98 0.63 0.13	53.33 0.68 0.18	61.75 0.79 0.18	69.08 0.89 0.35	68.06 0.82 0.44	89.17 1.07 0.69	89.32 1.07 0.70	93.64 1.12 0.76	84.37 1.01 0.18	57.16 0.68 0.27	51.01 0.61 0.18	43.15 0.47 0.03	37.59 0.37 0.00	36.71 0.40 0.00
JENNISON___1 23625	40.04 2.34 -1.05	38.58 1.99 -0.40	35.89 1.76 -0.39	33.59 1.71 -0.20	32.97 1.71 -0.17	35.92 1.85 -0.35	39.53 2.21 -1.08	39.80 2.32 -1.16	43.83 2.65 -1.64	49.02 3.20 -0.74	52.44 3.20 -0.75	58.92 4.38 -1.71	67.69 4.95 -1.60	75.28 4.46 -2.28	83.05 4.26 -11.10	106.04 5.68 -11.56	108.56 5.78 -13.84	116.93 6.44 -17.22	98.86 6.10 -9.22	67.01 3.92 -6.35	58.12 3.84 -3.70	51.58 2.95 -5.92	44.14 2.12 -4.80	41.38 2.65 -2.41
JENNISON___2 23626	40.04 2.34 -1.05	38.58 1.99 -0.40	35.89 1.76 -0.39	33.59 1.71 -0.20	32.97 1.71 -0.17	35.92 1.85 -0.35	39.53 2.21 -1.08	39.80 2.32 -1.16	43.83 2.65 -1.64	49.02 3.20 -0.74	52.44 3.20 -0.75	58.92 4.38 -1.71	67.69 4.95 -1.60	75.28 4.46 -2.28	83.05 4.26 -11.10	106.04 5.68 -11.56	108.56 5.78 -13.84	116.93 6.44 -17.22	98.86 6.10 -9.22	67.01 3.92 -6.35	58.12 3.84 -3.70	51.58 2.95 -5.92	44.14 2.12 -4.80	41.38 2.65 -2.41
JERICHO_RISE_WT_PWR 323719	35.06 -1.57 0.00	35.03 -1.16 0.00	32.74 -1.01 0.00	30.67 -1.02 0.00	30.10 -1.00 0.00	32.71 -1.01 0.00	35.19 -1.05 0.00	35.26 -1.05 0.00	38.15 -1.38 0.00	43.00 -2.07 0.00	45.14 -2.71 0.62	48.90 -3.07 0.86	56.55 -3.73 0.86	61.52 -4.39 2.64	61.45 -4.20 2.04	79.86 -5.68 3.25	80.09 -5.60 3.25	84.13 -5.59 3.55	77.67 -5.01 0.86	52.40 -3.07 1.28	47.27 -2.48 0.83	41.05 -1.54 0.12	36.14 -1.08 0.00	35.23 -1.09 0.00
KATONAH___115KV_46KV_TB4 355592	42.37 3.41 -2.32	39.20 3.00 0.00	36.48 2.73 0.00	34.19 2.50 0.00	33.55 2.46 0.00	36.35 2.63 0.00	41.44 2.90 -2.30	42.19 3.20 -2.68	45.50 3.84 -2.13	49.54 4.46 0.00	53.43 4.95 0.00	58.43 5.60 0.00	68.96 6.73 -1.09	81.48 8.50 -4.43	118.26 8.73 -41.84	140.14 11.45 -39.89	150.05 11.30 -49.81	171.25 11.66 -66.32	132.49 10.44 -38.51	93.73 6.98 -30.01	72.13 5.77 -15.79	70.40 4.66 -23.04	58.82 3.83 -17.76	47.27 3.16 -7.80
KCE_NY_1 323755	42.33 2.67 -3.02	38.69 2.50 0.00	36.01 2.26 0.00	33.78 2.09 0.00	33.14 2.05 0.00	35.98 2.26 0.00	41.80 2.57 -2.99	42.41 2.62 -3.48	51.94 3.04 -9.36	48.55 3.47 0.00	52.02 3.54 0.00	56.74 3.91 0.00	70.31 4.59 -4.58	87.07 4.87 -13.66	145.05 4.67 -72.70	169.57 6.21 -74.56	183.91 6.32 -88.66	210.83 7.18 -110.38	209.50 6.60 -119.36	163.20 4.48 -101.98	123.10 4.09 -68.43	79.71 3.29 -33.71	63.00 2.64 -23.14	48.94 2.47 -10.16
KCE_NY_6_ESR 323823	36.22 -0.77 -0.35	35.00 -1.19 0.00	32.03 -1.72 0.00	30.32 -1.36 0.00	29.79 -1.30 0.00	32.06 -1.65 0.00	34.57 -2.03 -0.35	34.69 -2.03 -0.41	38.29 -1.58 -0.34	43.44 -1.62 0.02	46.21 -1.99 0.29	50.93 -1.90 0.00	58.36 -2.20 0.58	67.08 -1.71 -0.25	70.66 -2.23 -5.21	90.83 -2.66 -4.70	92.37 -2.67 -6.09	98.88 -2.89 -8.50	83.56 -2.25 -2.26	56.61 -1.48 -1.34	49.51 -1.06 0.00	44.44 -1.45 -3.19	38.63 -1.19 -2.60	36.59 -0.87 -1.14
KEDC_PORT_JEFF_GT2 24210	86.46 4.47 -45.36	62.51 3.83 -22.49	54.82 3.58 -17.50	49.96 3.26 -15.01	45.77 3.17 -11.50	49.78 3.44 -12.62	45.85 3.80 -5.81	51.11 4.28 -10.52	67.77 5.06 -23.17	86.19 5.73 -35.39	105.29 6.30 -50.51	131.32 6.60 -71.89	131.48 7.52 -62.82	164.08 8.78 -86.76	208.72 9.00 -132.03	263.52 11.81 -162.91	260.67 11.65 -160.08	309.51 11.85 -204.39	269.47 10.61 -175.31	258.12 7.21 -194.17	227.95 6.02 -171.36	150.84 4.99 -103.14	98.44 4.69 -56.53	98.27 4.17 -57.78
KEDC_PORT_JEFF_GT3 24211	86.46 4.47 -45.36	62.51 3.83 -22.49	54.82 3.58 -17.50	49.96 3.26 -15.01	45.77 3.17 -11.50	49.78 3.44 -12.62	45.85 3.80 -5.81	51.11 4.28 -10.52	67.77 5.06 -23.17	86.19 5.73 -35.39	105.29 6.30 -50.51	131.32 6.60 -71.89	131.48 7.52 -62.82	164.08 8.78 -86.76	208.72 9.00 -132.03	263.52 11.81 -162.91	260.67 11.65 -160.08	309.51 11.85 -204.39	269.47 10.61 -175.31	258.12 7.21 -194.17	227.95 6.02 -171.36	150.84 4.99 -103.14	98.44 4.69 -56.53	98.27 4.17 -57.78
KEDC_GLWD_GT4 24219	85.77 3.77 -45.36	61.87 3.19 -22.49	54.29 3.04 -17.50	49.77 3.07 -15.01	45.55 2.96 -11.50	49.54 3.20 -12.62	45.56 3.51 -5.81	50.54 3.71 -10.52	66.89 4.19 -23.17	85.33 4.87 -35.39	98.03 5.52 -44.02	102.45 6.28 -43.34	104.08 7.46 -35.48	200.42 8.98 -122.90	300.74 9.41 -223.65	239.22 12.26 -138.16	250.06 12.19 -148.93	259.92 12.31 -154.34	154.93 10.94 -60.44	114.35 7.21 -50.40	108.11 5.81 -51.72	103.76 4.74 -56.31	97.72 3.98 -56.52	97.49 3.41 -57.76
KEDC_GLWD_GT5 24220	85.77 3.77 -45.36	61.87 3.19 -22.49	54.29 3.04 -17.50	49.77 3.07 -15.01	45.55 2.96 -11.50	49.54 3.20 -12.62	45.56 3.51 -5.81	50.54 3.71 -10.52	66.89 4.19 -23.17	85.33 4.87 -35.39	98.03 5.52 -44.02	102.45 6.28 -43.34	104.08 7.46 -35.48	200.42 8.98 -122.90	300.74 9.41 -223.65	239.22 12.26 -138.16	250.06 12.19 -148.93	259.92 12.31 -154.34	154.93 10.94 -60.44	114.35 7.21 -50.40	108.11 5.81 -51.72	103.76 4.74 -56.31	97.72 3.98 -56.52	97.49 3.41 -57.76

KENSICO____ 23655	42.07 3.15 -2.28	38.98 2.79 0.00	36.28 2.53 0.00	34.03 2.34 0.00	33.36 2.27 0.00	36.18 2.46 0.00	41.21 2.72 -2.25	41.96 3.01 -2.63	45.14 3.52 -2.08	49.13 4.06 0.00	53.04 4.56 0.00	57.90 5.07 0.00	68.21 5.99 -1.08	80.25 7.33 -4.37	116.50 7.72 -41.10	138.03 10.03 -39.20	147.84 9.96 -48.93	168.56 10.17 -65.12	130.30 8.94 -37.82	92.11 5.90 -29.46	70.87 4.80 -15.49	69.20 3.89 -22.61	57.92 3.28 -17.43	46.76 2.80 -7.65
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	41.85 3.04 -2.17	38.84 2.64 0.00	36.18 2.43 0.00	33.90 2.22 0.00	33.27 2.18 0.00	36.08 2.36 0.00	40.96 2.57 -2.14	41.57 2.76 -2.50	45.03 3.28 -2.21	48.86 3.79 0.00	52.65 4.17 0.00	57.53 4.70 0.00	66.35 5.75 0.54	75.64 6.85 -0.24	104.89 7.17 -30.03	124.25 9.41 -26.04	133.26 9.61 -34.71	153.14 9.89 -49.98	118.04 8.77 -25.72	83.32 5.67 -20.90	67.19 4.80 -11.81	66.25 3.89 -19.65	56.71 2.90 -16.59	46.21 2.61 -7.28
KIAC_JFK_GT1 23816	42.33 3.41 -2.28	39.09 2.90 0.00	36.35 2.60 0.00	34.06 2.38 0.00	33.36 2.27 0.00	36.21 2.49 0.00	41.33 2.83 -2.26	42.22 3.27 -2.63	45.46 3.84 -2.09	49.45 4.37 0.00	53.43 4.95 0.00	58.32 5.49 0.00	68.71 6.48 -1.09	80.75 7.81 -4.39	117.43 8.53 -41.21	139.30 11.19 -39.31	148.96 10.94 -49.07	169.59 11.01 -65.31	131.33 9.86 -37.93	92.87 6.58 -29.54	71.32 5.21 -15.54	69.48 4.10 -22.67	58.12 3.42 -17.47	46.78 2.80 -7.67
KIAC_JFK_GT2 23817	42.33 3.41 -2.28	39.09 2.90 0.00	36.35 2.60 0.00	34.06 2.38 0.00	33.36 2.27 0.00	36.21 2.49 0.00	41.33 2.83 -2.26	42.22 3.27 -2.63	45.46 3.84 -2.09	49.45 4.37 0.00	53.43 4.95 0.00	58.32 5.49 0.00	68.71 6.48 -1.09	80.75 7.81 -4.39	117.43 8.53 -41.21	139.30 11.19 -39.31	148.96 10.94 -49.07	169.59 11.01 -65.31	131.33 9.86 -37.93	92.87 6.58 -29.54	71.32 5.21 -15.54	69.48 4.10 -22.67	58.12 3.42 -17.47	46.78 2.80 -7.67
KIAC_JFK____ 323774	42.33 3.41 -2.28	38.91 2.72 0.00	36.35 2.60 0.00	34.06 2.38 0.00	33.33 2.24 0.00	36.21 2.49 0.00	41.33 2.83 -2.26	42.22 3.27 -2.63	45.46 3.83 -2.09	49.45 4.37 0.00	53.43 4.95 0.00	58.32 5.49 0.00	68.70 6.48 -1.09	80.74 7.81 -4.39	117.43 8.53 -41.21	139.30 11.19 -39.31	148.95 10.94 -49.07	169.58 11.00 -65.31	131.33 9.85 -37.93	92.93 6.64 -29.54	71.27 5.16 -15.54	69.48 4.10 -22.67	58.35 3.50 -17.63	46.85 2.80 -7.74
KINTIGH____ 23543	36.08 -0.84 -0.29	34.17 -2.03 0.00	31.79 -1.96 0.00	30.13 -1.55 0.00	29.51 -1.59 0.00	31.76 -1.96 0.00	34.57 -1.96 -0.29	34.65 -2.00 -0.33	37.40 -2.13 0.00	42.71 -2.34 0.02	45.92 -2.23 0.34	50.66 -2.17 0.00	57.83 -2.63 0.68	66.35 -2.40 -0.20	69.43 -2.50 -4.25	89.17 -3.46 -3.84	90.36 -3.56 -4.97	96.57 -3.64 -6.94	82.38 -3.01 -1.85	55.74 -2.10 -1.09	48.96 -1.62 0.00	44.12 -1.20 -2.60	38.05 -1.30 -2.13	36.27 -0.98 -0.94
KNTFSRNC_46_KV_46KV_LOAD 80397	35.54 -1.10 0.00	35.54 -0.65 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.18 -0.54 0.00	35.77 -0.47 0.00	35.88 -0.44 0.00	38.79 -0.75 0.00	43.32 -1.76 0.00	45.60 -2.72 0.17	49.48 -3.12 0.23	57.18 -3.73 0.23	62.71 -4.52 1.31	62.33 -4.81 0.55	81.88 -6.04 0.88	82.10 -5.96 0.88	86.43 -5.88 0.96	78.05 -5.26 0.23	53.56 -2.84 0.35	47.87 -2.48 0.23	41.18 -1.49 0.03	36.77 -0.45 0.00	35.81 -0.51 0.00
LACHUTE__HYDRO 323717	44.39 4.73 -3.03	40.75 4.56 0.00	37.76 4.01 0.00	35.39 3.71 0.00	34.70 3.61 0.00	37.79 4.08 0.00	44.05 4.82 -2.99	44.63 4.83 -3.49	54.72 5.73 -9.45	51.57 6.49 0.00	55.02 6.54 0.00	60.12 7.29 0.00	73.92 8.50 -4.28	89.82 8.36 -12.92	146.65 7.92 -71.05	171.75 10.47 -72.48	186.01 10.58 -86.49	214.18 12.68 -108.23	213.27 11.95 -117.78	165.91 8.17 -100.99	126.43 7.68 -68.17	82.14 6.02 -33.40	65.05 4.65 -23.18	50.81 4.32 -10.18
LAWRNCV_115KV_TB1 80681	34.33 -2.31 0.00	34.31 -1.88 0.00	32.03 -1.72 0.00	30.04 -1.65 0.00	29.48 -1.62 0.00	32.06 -1.65 0.00	34.54 -1.70 0.00	34.61 -1.71 0.00	37.24 -2.29 0.00	42.19 -2.88 0.00	38.24 -3.30 6.94	39.50 -3.75 9.58	47.16 -4.40 9.58	42.02 -5.42 21.11	39.41 -5.55 22.73	45.44 -7.19 36.17	45.53 -7.20 36.21	46.38 -7.37 39.52	67.28 -6.68 9.58	38.47 -4.03 14.25	37.73 -3.59 9.25	38.50 -2.82 1.39	35.06 -2.16 0.00	34.32 -2.00 0.00
LEDERLE____ 23769	41.85 3.04 -2.17	38.80 2.61 0.00	36.18 2.43 0.00	33.90 2.22 0.00	33.27 2.18 0.00	36.08 2.36 0.00	40.97 2.57 -2.15	41.65 2.83 -2.51	44.92 3.40 -1.98	49.04 3.97 0.00	52.94 4.46 0.00	57.84 5.02 0.00	68.10 5.99 -0.97	79.75 7.20 -4.01	114.11 7.58 -38.84	135.68 9.95 -36.94	145.02 9.87 -46.20	164.99 10.07 -61.65	127.90 8.77 -35.59	90.22 5.73 -27.74	69.83 4.65 -14.60	67.92 3.72 -21.50	56.97 3.13 -16.63	46.30 2.69 -7.30
LIGHTHSE_115KV_TB6 355974	37.68 -0.37 -1.41	37.17 -0.62 -1.59	34.66 -0.64 -1.55	31.93 -0.54 -0.78	31.23 -0.53 -0.67	34.53 -0.57 -1.39	37.29 -0.43 -1.48	37.24 -0.44 -1.36	41.36 -0.47 -2.30	47.60 -0.50 -3.02	50.77 -0.53 -2.82	56.23 -0.69 -4.09	64.94 -0.73 -4.53	70.81 -1.17 -3.43	71.58 -1.22 -5.12	94.85 -1.60 -7.65	95.00 -1.51 -7.57	97.18 -1.59 -5.50	86.40 -1.25 -4.11	55.57 -0.91 0.27	50.38 -0.61 -0.41	43.98 -0.51 -1.78	38.22 -0.56 -1.56	37.50 -0.40 -1.58
LINDEN COGEN____ 23786	42.15 3.22 -2.28	38.87 2.68 0.00	36.35 2.60 0.00	34.09 2.41 0.00	33.39 2.30 0.00	36.21 2.49 0.00	41.22 2.72 -2.26	42.03 3.08 -2.63	42.72 3.52 0.33	46.09 4.01 3.00	44.92 4.56 8.12	46.63 5.12 11.32	49.77 6.00 17.37	64.35 7.26 11.46	98.21 7.78 -22.74	116.72 10.12 -17.80	122.34 9.87 -23.53	134.30 9.88 -31.14	110.76 8.77 -18.45	75.69 5.85 -13.10	54.05 4.60 1.13	53.83 3.71 -7.41	49.34 3.24 -8.88	42.77 2.65 -3.81
LINDHRST_69_KV_BK1 356055	86.47 4.47 -45.36	62.66 3.98 -22.49	54.89 3.65 -17.50	50.02 3.33 -15.01	45.83 3.23 -11.50	49.84 3.51 -12.62	45.93 3.88 -5.81	51.12 4.29 -10.52	67.69 4.98 -23.17	86.19 5.72 -35.39	99.35 6.30 -44.56	105.29 6.97 -45.49	106.87 8.19 -37.54	125.03 9.73 -46.75	168.65 10.09 -90.88	181.82 13.32 -79.70	229.22 13.25 -127.03	250.35 13.62 -143.46	164.75 12.11 -69.09	126.02 8.06 -61.22	124.58 6.78 -67.23	113.79 5.55 -65.52	98.26 4.69 -56.36	98.26 4.25 -57.69
LIPA_MISC_IPP 23656	86.47 4.47 -45.36	62.62 3.95 -22.49	54.79 3.54 -17.50	49.89 3.20 -15.01	45.73 3.14 -11.50	49.74 3.41 -12.62	45.82 3.77 -5.81	51.12 4.29 -10.52	67.76 5.06 -23.17	86.14 5.68 -35.39	104.17 6.21 -49.48	127.07 6.81 -67.43	127.63 7.95 -58.55	155.75 9.46 -77.74	198.78 9.88 -121.21	248.67 12.88 -146.99	255.37 12.63 -153.80	299.87 12.96 -193.64	252.59 11.70 -157.35	236.38 7.94 -171.69	212.99 6.83 -155.59	146.56 5.47 -98.38	98.24 4.65 -56.36	98.19 4.18 -57.70
LISF__SOLAR 323691	86.58 4.58 -45.36	62.63 3.95 -22.49	54.89 3.65 -17.50	50.02 3.33 -15.01	45.83 3.23 -11.50	49.84 3.51 -12.62	45.93 3.88 -5.81	51.22 4.39 -10.52	67.88 5.18 -23.17	86.28 5.82 -35.39	104.40 6.35 -49.56	127.58 6.97 -67.78	128.15 8.13 -58.88	156.76 9.67 -78.55	199.93 10.02 -122.23	250.35 13.23 -148.32	256.24 12.99 -154.32	301.10 13.34 -194.49	254.40 12.11 -158.75	238.41 8.23 -173.44	214.58 7.03 -156.98	147.24 5.64 -98.89	98.58 4.84 -56.53	98.37 4.28 -57.77

LITTLE FALLS___HYD 24013	37.99 1.36 0.00	37.42 1.23 0.00	34.86 1.11 0.00	32.73 1.05 0.00	32.12 1.03 0.00	34.86 1.15 0.00	37.55 1.30 0.00	37.62 1.31 0.00	41.00 1.46 0.00	46.83 1.76 0.00	50.24 1.89 0.13	54.70 2.06 0.18	63.34 2.38 0.18	70.59 2.40 0.35	69.62 2.37 0.44	91.12 3.02 0.69	91.27 3.02 0.70	95.78 3.26 0.76	86.37 3.01 0.18	58.46 1.99 0.27	52.22 1.82 0.18	44.18 1.49 0.03	38.45 1.23 0.00	37.66 1.34 0.00
LITTLRIV_115KV_TB1 356100	34.85 -1.94 -0.15	34.90 -1.48 -0.19	32.59 -1.35 -0.19	30.48 -1.30 -0.10	29.93 -1.24 -0.08	32.60 -1.28 -0.17	35.17 -1.23 -0.16	35.22 -1.23 -0.15	38.04 -1.78 -0.28	43.10 -2.34 -0.37	39.50 -2.76 6.21	41.13 -3.17 8.53	48.91 -3.73 8.50	44.11 -4.94 19.50	41.63 -5.01 21.05	48.84 -6.57 33.38	48.77 -6.67 33.50	49.57 -6.72 36.99	68.89 -6.02 8.64	39.65 -3.57 13.52	38.82 -3.09 8.67	39.03 -2.43 1.25	35.38 -1.90 -0.06	34.85 -1.60 -0.14
LI_NEWBRDGE___DRP 323616	85.59 3.59 -45.36	61.86 3.19 -22.49	54.18 2.94 -17.50	49.39 2.69 -15.01	45.20 2.61 -11.50	49.17 2.83 -12.62	45.17 3.12 -5.81	50.28 3.45 -10.52	66.70 3.99 -23.17	85.06 4.60 -35.39	97.57 5.14 -43.95	101.87 5.71 -43.34	103.29 6.66 -35.48	98.05 8.02 -21.49	126.01 8.53 -49.80	154.74 11.10 -54.85	217.49 11.03 -117.52	238.57 11.19 -134.11	153.93 9.94 -60.44	113.73 6.58 -50.40	107.66 5.36 -51.72	103.42 4.40 -56.31	97.30 3.72 -56.36	97.24 3.23 -57.69
LOCKPORT_115KV_TB60_63_64 80432	35.78 -1.17 -0.32	33.91 -2.28 0.00	31.49 -2.26 0.00	29.94 -1.74 0.00	29.32 -1.77 0.00	31.49 -2.23 0.00	34.02 -2.54 -0.31	34.14 -2.54 -0.37	37.34 -2.49 -0.30	42.35 -2.70 0.02	45.31 -2.86 0.31	49.92 -2.91 0.00	56.97 -3.55 0.63	65.48 -3.29 -0.22	68.94 -3.38 -4.64	88.10 -4.88 -4.18	89.48 -4.89 -5.43	95.71 -5.13 -7.57	81.38 -4.18 -2.02	54.99 -2.95 -1.19	48.65 -1.92 0.00	43.88 -1.67 -2.84	37.83 -1.71 -2.33	35.99 -1.34 -1.02
LOCKPORT___CC1 323769	35.64 -1.32 -0.32	34.27 -1.92 0.00	31.32 -2.43 0.00	29.66 -2.03 0.00	29.16 -1.93 0.00	31.35 -2.36 0.00	33.91 -2.64 -0.32	33.92 -2.76 -0.37	37.19 -2.65 -0.30	42.17 -2.89 0.02	45.12 -3.05 0.31	49.66 -3.17 0.00	56.73 -3.79 0.62	65.20 -3.57 -0.22	68.23 -4.13 -4.68	87.78 -5.24 -4.22	89.17 -5.25 -5.47	95.40 -5.50 -7.63	80.98 -4.59 -2.03	55.11 -2.84 -1.20	48.15 -2.43 0.00	43.26 -2.31 -2.86	37.66 -1.90 -2.34	35.85 -1.49 -1.03
LOCKPORT___CC2 323770	35.64 -1.32 -0.32	34.27 -1.92 0.00	31.32 -2.43 0.00	29.66 -2.03 0.00	29.16 -1.93 0.00	31.35 -2.36 0.00	33.91 -2.64 -0.32	33.92 -2.76 -0.37	37.19 -2.65 -0.30	42.17 -2.89 0.02	45.12 -3.05 0.31	49.66 -3.17 0.00	56.73 -3.79 0.62	65.20 -3.57 -0.22	68.23 -4.13 -4.68	87.78 -5.24 -4.22	89.17 -5.25 -5.47	95.40 -5.50 -7.63	80.98 -4.59 -2.03	55.11 -2.84 -1.20	48.15 -2.43 0.00	43.26 -2.31 -2.86	37.66 -1.90 -2.34	35.85 -1.49 -1.03
LOCKPORT___CC3 323771	35.64 -1.32 -0.32	34.27 -1.92 0.00	31.32 -2.43 0.00	29.66 -2.03 0.00	29.16 -1.93 0.00	31.35 -2.36 0.00	33.91 -2.64 -0.32	33.92 -2.76 -0.37	37.19 -2.65 -0.30	42.17 -2.89 0.02	45.12 -3.05 0.31	49.66 -3.17 0.00	56.73 -3.79 0.62	65.20 -3.57 -0.22	68.23 -4.13 -4.68	87.78 -5.24 -4.22	89.17 -5.25 -5.47	95.40 -5.50 -7.63	80.98 -4.59 -2.03	55.11 -2.84 -1.20	48.15 -2.43 0.00	43.26 -2.31 -2.86	37.66 -1.90 -2.34	35.85 -1.49 -1.03
LONG_LAKE_PHOENIX 24014	38.22 -0.37 -1.94	37.81 -0.62 -2.23	35.29 -0.64 -2.18	32.22 -0.57 -1.10	31.47 -0.56 -0.94	35.07 -0.61 -1.96	37.75 -0.54 -2.05	37.71 -0.47 -1.86	42.25 -0.51 -3.23	48.83 -0.50 -4.25	52.83 -0.44 -4.78	59.15 -0.42 -6.75	68.18 -0.49 -7.53	75.04 -0.55 -7.04	76.08 -0.61 -9.00	102.04 -0.80 -14.04	102.01 -0.71 -13.78	103.47 -0.75 -10.95	89.40 -0.67 -6.53	57.16 -0.57 -0.98	51.68 -0.46 -1.56	44.57 -0.43 -2.29	38.67 -0.45 -1.90	37.97 -0.44 -2.09
LOVETT___3 23632	41.64 2.82 -2.18	38.62 2.42 0.00	35.98 2.23 0.00	33.75 2.06 0.00	33.11 2.02 0.00	35.87 2.16 0.00	40.76 2.36 -2.16	41.45 2.61 -2.52	44.65 3.12 -1.99	48.68 3.61 0.00	52.55 4.07 0.00	57.42 4.60 0.00	67.62 5.50 -0.98	79.24 6.65 -4.05	113.80 7.04 -39.07	135.21 9.23 -37.17	144.59 9.16 -46.49	164.51 9.23 -62.01	127.47 8.10 -35.82	90.00 5.33 -27.92	69.56 4.30 -14.69	67.78 3.46 -21.61	56.87 2.94 -16.71	46.12 2.47 -7.34
LOVETT___4 23642	41.64 2.82 -2.18	38.62 2.42 0.00	35.98 2.23 0.00	33.75 2.06 0.00	33.11 2.02 0.00	35.87 2.16 0.00	40.76 2.36 -2.16	41.45 2.61 -2.52	44.65 3.12 -1.99	48.68 3.61 0.00	52.55 4.07 0.00	57.42 4.60 0.00	67.62 5.50 -0.98	79.24 6.65 -4.05	113.80 7.04 -39.07	135.21 9.23 -37.17	144.59 9.16 -46.49	164.51 9.23 -62.01	127.47 8.10 -35.82	90.00 5.33 -27.92	69.56 4.30 -14.69	67.78 3.46 -21.61	56.87 2.94 -16.71	46.12 2.47 -7.34
LOVETT___5 23593	41.64 2.82 -2.18	38.62 2.42 0.00	35.98 2.23 0.00	33.75 2.06 0.00	33.11 2.02 0.00	35.87 2.16 0.00	40.76 2.36 -2.16	41.45 2.61 -2.52	44.65 3.12 -1.99	48.68 3.61 0.00	52.55 4.07 0.00	57.42 4.60 0.00	67.62 5.50 -0.98	79.24 6.65 -4.05	113.80 7.04 -39.07	135.21 9.23 -37.17	144.59 9.16 -46.49	164.51 9.23 -62.01	127.47 8.10 -35.82	90.00 5.33 -27.92	69.56 4.30 -14.69	67.78 3.46 -21.61	56.87 2.94 -16.71	46.12 2.47 -7.34
LOWER RAQUET___HYD 24057	34.28 -2.53 -0.16	34.30 -2.10 -0.21	32.06 -1.89 -0.20	29.98 -1.80 -0.10	29.41 -1.77 -0.09	32.08 -1.82 -0.18	34.53 -1.89 -0.17	34.65 -1.81 -0.16	37.38 -2.45 -0.30	42.36 -3.11 -0.39	39.06 -3.54 5.89	40.74 -4.02 8.07	48.39 -4.71 8.05	44.15 -5.83 18.56	42.04 -5.62 20.03	49.32 -7.73 31.75	49.34 -7.74 31.87	50.10 -7.93 35.24	68.17 -7.19 8.19	39.35 -4.48 12.91	38.52 -3.79 8.26	38.58 -2.95 1.18	34.90 -2.38 -0.07	34.28 -2.18 -0.15
LOWER___HUDSON 24059	41.77 2.16 -2.97	38.15 1.95 0.00	35.57 1.82 0.00	33.40 1.71 0.00	32.74 1.65 0.00	35.54 1.82 0.00	41.20 2.03 -2.93	41.80 2.07 -3.42	50.09 2.37 -8.18	47.83 2.75 0.00	51.34 2.86 0.00	55.89 3.06 0.00	72.76 3.61 -8.01	94.85 4.11 -22.19	163.35 3.99 -91.67	192.51 5.33 -98.39	207.91 5.43 -113.55	234.20 5.78 -135.15	225.57 5.27 -136.76	172.99 3.58 -112.67	124.50 3.14 -70.79	82.51 2.56 -37.24	62.09 2.16 -22.71	48.28 2.00 -9.97
LOWVILLE_115KV_TB2 356335	37.05 -0.04 -0.45	36.56 -0.11 -0.48	34.05 -0.17 -0.46	31.76 -0.16 -0.23	31.17 -0.12 -0.20	34.07 -0.07 -0.42	36.86 0.14 -0.47	36.97 0.22 -0.44	40.34 0.12 -0.69	46.11 0.14 -0.90	47.64 -0.05 0.79	51.74 -0.11 0.98	60.04 -0.18 0.92	63.85 -0.89 3.80	63.29 -1.08 3.31	81.78 -1.33 5.69	81.99 -1.33 5.62	85.33 -1.12 6.82	81.99 -0.75 0.80	53.08 -0.40 3.26	48.36 -0.20 2.01	42.99 -0.17 -0.45	37.51 -0.37 -0.66	36.87 0.00 -0.56
LUTHERFT_115KV_GLOB_FND_222 355753	42.30 2.64 -3.02	38.69 2.50 0.00	36.01 2.26 0.00	33.75 2.06 0.00	33.11 2.02 0.00	35.97 2.26 0.00	41.77 2.54 -2.99	42.37 2.58 -3.48	51.90 3.00 -9.36	48.50 3.43 0.00	52.02 3.54 0.00	56.68 3.86 0.00	70.25 4.52 -4.58	87.00 4.80 -13.66	144.98 4.60 -72.70	169.48 6.13 -74.56	183.82 6.23 -88.66	210.74 7.09 -110.38	209.42 6.52 -119.36	163.03 4.31 -101.98	123.05 4.05 -68.43	79.66 3.25 -33.71	62.94 2.61 -23.12	48.90 2.43 -10.15

LUTHERNY_35_KV_BK2 355980	42.34 2.67 -3.02	38.73 2.53 0.00	36.01 2.26 0.00	33.78 2.09 0.00	33.14 2.05 0.00	35.97 2.26 0.00	41.80 2.57 -2.99	42.41 2.61 -3.48	51.94 3.04 -9.36	48.55 3.47 0.00	52.02 3.54 0.00	56.74 3.91 0.00	70.31 4.59 -4.58	87.07 4.87 -13.66	145.05 4.67 -72.70	169.57 6.22 -74.56	183.91 6.31 -88.66	210.83 7.18 -110.38	209.50 6.60 -119.36	163.15 4.43 -101.98	123.15 4.15 -68.43	79.71 3.29 -33.71	62.98 2.64 -23.12	48.93 2.47 -10.15
LWR___OSWEGATCHIE_HYD 23850	35.22 -1.80 -0.38	34.97 -1.63 -0.41	32.63 -1.52 -0.40	30.46 -1.43 -0.20	29.86 -1.40 -0.17	32.62 -1.45 -0.36	35.26 -1.38 -0.40	35.34 -1.34 -0.37	38.43 -1.70 -0.59	43.73 -2.12 -0.78	42.59 -2.47 3.42	45.45 -2.75 4.63	53.33 -3.24 4.57	52.59 -4.32 11.64	51.26 -4.47 11.96	63.73 -5.77 19.30	63.88 -5.78 19.28	65.80 -5.78 21.69	73.92 -5.10 4.53	45.16 -3.12 8.47	42.51 -2.68 5.38	40.25 -2.22 0.24	35.83 -1.90 -0.51	35.17 -1.60 -0.45
LYONS_FALL_HYD 23570	37.49 0.51 -0.34	36.94 0.40 -0.35	34.39 0.30 -0.34	32.14 0.28 -0.17	31.55 0.31 -0.15	34.36 0.34 -0.30	37.18 0.58 -0.36	37.31 0.65 -0.34	40.75 0.71 -0.50	46.59 0.85 -0.66	48.80 0.77 0.45	53.07 0.79 0.55	61.50 0.86 0.50	66.51 0.34 2.38	66.09 0.20 1.80	85.75 0.27 3.32	86.00 0.27 3.21	89.90 0.56 3.93	83.89 0.67 0.32	55.18 0.51 2.08	49.83 0.56 1.30	43.62 0.43 -0.49	38.00 0.19 -0.59	37.28 0.51 -0.46
MADISON___COUNTY_LFGE 323628	38.41 1.36 -0.41	37.68 1.12 -0.37	35.09 0.98 -0.36	32.82 0.95 -0.18	32.18 0.93 -0.15	35.05 1.01 -0.32	37.94 1.27 -0.43	38.11 1.38 -0.41	41.65 1.58 -0.53	47.70 1.94 -0.69	50.82 1.99 -0.35	55.71 2.22 -0.67	64.28 2.57 -0.58	71.08 2.26 -0.28	71.66 2.17 -1.81	93.52 2.84 -1.88	94.00 2.85 -2.21	98.67 3.17 -2.22	87.79 3.01 -1.23	58.53 1.93 0.15	52.27 1.87 0.17	45.32 1.45 -1.16	39.27 1.04 -1.01	38.27 1.31 -0.65
MALONE___115KV_TB1 356076	35.06 -1.58 0.00	35.04 -1.16 0.00	32.74 -1.01 0.00	30.67 -1.01 0.00	30.10 -0.99 0.00	32.74 -0.98 0.00	35.30 -0.94 0.00	35.41 -0.91 0.00	38.23 -1.30 0.00	43.18 -1.89 0.00	43.95 -2.47 2.06	47.14 -2.85 2.84	54.88 -3.42 2.84	57.48 -4.25 6.81	56.49 -4.47 6.73	72.40 -5.68 10.71	72.53 -5.69 10.72	75.97 -5.60 11.70	75.61 -5.10 2.84	49.75 -2.78 4.22	45.46 -2.38 2.74	40.55 -1.75 0.41	36.14 -1.08 0.00	35.26 -1.05 0.00
MAPLEWOD_115KV_TB3 80458	41.60 2.02 -2.95	38.04 1.85 0.00	35.44 1.69 0.00	33.24 1.55 0.00	32.58 1.49 0.00	35.37 1.65 0.00	41.00 1.85 -2.91	41.56 1.85 -3.40	48.58 2.17 -6.86	47.56 2.48 0.00	51.15 2.67 0.00	55.63 2.80 0.00	71.87 3.24 -7.49	93.12 3.70 -20.88	159.70 3.66 -88.36	188.06 4.88 -94.38	203.10 4.89 -109.26	229.27 5.32 -130.69	211.96 4.76 -123.65	160.58 3.18 -100.66	114.91 2.78 -61.56	81.37 2.22 -36.44	61.65 1.90 -22.54	47.99 1.78 -9.89
MAPLE_RIDGE_WT_1 323574	35.91 -0.73 0.00	35.61 -0.58 0.00	33.25 -0.51 0.00	31.21 -0.47 0.00	30.66 -0.44 0.00	33.28 -0.44 0.00	35.81 -0.43 0.00	35.88 -0.43 0.00	38.98 -0.55 0.00	44.35 -0.72 0.00	47.82 -0.82 -0.16	52.10 -0.95 -0.23	60.27 -1.10 -0.23	68.08 -1.30 -0.84	66.93 -1.29 -0.53	87.96 -1.69 -0.85	88.19 -1.60 -0.85	92.61 -1.59 -0.93	82.43 -1.34 -0.23	56.23 -0.85 -0.33	50.04 -0.76 -0.22	42.10 -0.64 -0.03	36.70 -0.52 0.00	35.81 -0.51 0.00
MAPLE_RIDGE_WT_2 323611	35.91 -0.73 0.00	35.61 -0.58 0.00	33.25 -0.51 0.00	31.21 -0.47 0.00	30.66 -0.44 0.00	33.28 -0.44 0.00	35.81 -0.43 0.00	35.88 -0.43 0.00	38.98 -0.55 0.00	44.35 -0.72 0.00	47.82 -0.82 -0.16	52.10 -0.95 -0.23	60.27 -1.10 -0.23	68.08 -1.30 -0.84	66.93 -1.29 -0.53	87.96 -1.69 -0.85	88.19 -1.60 -0.85	92.61 -1.59 -0.93	82.43 -1.34 -0.23	56.23 -0.85 -0.33	50.04 -0.76 -0.22	42.10 -0.64 -0.03	36.70 -0.52 0.00	35.81 -0.51 0.00
MARBLE_RIVER_WT_PWR 323696	35.21 -1.43 0.00	35.14 -1.05 0.00	32.84 -0.91 0.00	30.77 -0.92 0.00	30.22 -0.87 0.00	32.81 -0.91 0.00	35.30 -0.94 0.00	35.44 -0.87 0.00	38.31 -1.23 0.00	43.09 -1.98 0.00	45.77 -2.71 0.00	49.71 -3.12 0.00	57.35 -3.79 0.82	63.27 -4.45 0.00	63.35 -4.33 0.00	82.93 -5.86 0.00	83.25 -5.69 0.00	87.58 -5.69 0.00	78.45 -5.10 0.00	53.68 -3.07 0.00	48.10 -2.48 0.00	41.26 -1.45 0.00	36.29 -0.93 0.00	35.37 -0.94 0.00
MARSHVLE_115KV_TB1 80742	43.22 3.15 -3.43	39.16 2.97 0.00	36.38 2.63 0.00	34.16 2.47 0.00	33.55 2.46 0.00	36.41 2.70 0.00	43.29 3.52 -3.53	43.63 3.20 -4.12	50.50 3.20 -7.76	48.41 3.34 0.00	51.68 3.20 0.00	56.58 3.75 0.00	66.98 4.16 -1.68	79.45 4.11 -6.79	135.55 3.99 -63.87	155.13 5.42 -60.92	170.15 5.16 -76.05	201.66 7.18 -101.21	183.76 7.77 -92.45	141.71 5.50 -79.46	108.96 5.21 -53.18	82.17 4.23 -35.23	67.43 3.13 -27.09	51.15 2.94 -11.89
MARSH_HILL_WT_PWR 323713	37.21 -0.07 -0.64	35.98 -0.47 -0.26	33.26 -0.74 -0.25	31.30 -0.51 -0.13	30.73 -0.47 -0.11	33.33 -0.61 -0.22	36.07 -0.83 -0.65	36.40 -0.62 -0.70	40.10 -0.24 -0.80	45.50 -0.05 -0.47	48.48 -0.34 -0.34	53.69 0.00 -0.87	61.44 -0.18 -0.48	69.71 -0.07 -1.23	74.12 -0.81 -7.24	94.43 -1.69 -7.32	95.36 -2.49 -8.91	102.50 -2.14 -11.37	88.73 -0.75 -5.94	60.83 -0.11 -4.20	53.44 0.51 -2.36	46.57 -0.13 -3.99	40.43 -0.11 -3.32	38.00 0.07 -1.61
MCINTYRE_115KV_TB2 80467	35.14 -1.50 0.00	35.18 -1.01 0.00	32.81 -0.95 0.00	30.80 -0.89 0.00	30.22 -0.87 0.00	32.87 -0.84 0.00	35.45 -0.80 0.00	35.44 -0.87 0.00	38.11 -1.42 0.00	43.14 -1.94 0.00	39.00 -2.38 7.11	40.28 -2.75 9.80	48.16 -3.18 9.80	42.63 -4.32 21.59	40.03 -4.40 23.26	46.01 -5.77 37.01	46.02 -5.87 37.05	47.05 -5.78 40.44	68.56 -5.18 9.80	39.21 -2.95 14.58	38.58 -2.53 9.47	39.33 -1.96 1.42	35.73 -1.49 0.00	35.15 -1.16 0.00
MECO_____69_KV_BK1 80468	45.02 5.06 -3.33	41.01 4.81 0.00	37.94 4.19 0.00	35.61 3.93 0.00	34.98 3.89 0.00	38.07 4.35 0.00	45.35 5.65 -3.45	45.97 5.63 -4.02	53.97 6.29 -8.14	52.11 7.03 0.00	55.61 7.13 0.00	60.70 7.87 0.00	71.90 8.99 -1.77	84.74 9.25 -6.94	139.36 8.80 -62.87	161.33 12.34 -60.19	176.17 12.27 -74.95	207.71 15.02 -99.42	192.77 13.95 -95.27	148.31 9.19 -82.37	114.82 8.40 -55.85	83.79 6.66 -34.42	68.50 4.95 -26.33	52.56 4.68 -11.56
MENANDS___115KV_TB5 355628	41.37 1.80 -2.94	37.82 1.63 0.00	35.24 1.49 0.00	33.05 1.36 0.00	32.43 1.34 0.00	35.17 1.45 0.00	40.78 1.63 -2.91	41.34 1.63 -3.39	48.09 1.90 -6.65	47.24 2.16 0.00	50.81 2.33 0.00	55.20 2.38 0.00	69.29 2.75 -5.40	87.41 3.22 -15.64	147.04 3.18 -76.17	172.35 4.26 -79.29	186.57 4.27 -93.36	212.42 4.57 -114.58	193.98 4.01 -106.42	147.04 2.67 -87.63	107.53 2.33 -54.63	78.50 1.88 -33.92	61.35 1.64 -22.50	47.72 1.53 -9.88
MG INDUSTRY___DRP 24185	41.23 1.72 -2.87	37.82 1.63 0.00	35.24 1.49 0.00	33.08 1.39 0.00	32.43 1.34 0.00	35.20 1.48 0.00	40.67 1.59 -2.84	41.15 1.53 -3.31	45.93 1.66 -4.74	46.88 1.80 0.00	50.32 1.84 0.00	54.46 1.64 0.00	52.55 0.67 9.26	48.32 0.82 21.04	58.69 0.68 9.67	62.93 0.98 26.85	71.41 1.07 18.59	95.62 1.40 -0.95	66.95 1.42 18.02	50.42 0.96 7.29	54.51 0.91 -3.03	59.33 0.73 -15.89	60.69 1.53 -21.95	47.44 1.49 -9.64

MID___OSWEGATCHIE_HYD 23849	35.22 -1.80 -0.38	34.97 -1.63 -0.41	32.63 -1.52 -0.40	30.46 -1.43 -0.20	29.86 -1.40 -0.17	32.62 -1.45 -0.36	35.26 -1.38 -0.40	35.34 -1.34 -0.37	38.43 -1.70 -0.59	43.73 -2.12 -0.78	42.59 -2.47 3.42	45.45 -2.75 4.63	53.33 -3.24 4.57	52.59 -4.32 11.64	51.26 -4.47 11.96	63.73 -5.77 19.30	63.88 -5.78 19.28	65.80 -5.78 21.69	73.92 -5.10 4.53	45.16 -3.12 8.47	42.51 -2.68 5.38	40.25 -2.22 0.24	35.83 -1.90 -0.51	35.17 -1.60 -0.45
MID___RAQUETTE_HYD 23851	34.27 -2.53 -0.16	34.34 -2.06 -0.21	32.06 -1.89 -0.20	29.98 -1.81 -0.10	29.41 -1.77 -0.09	32.08 -1.82 -0.18	34.53 -1.88 -0.17	34.62 -1.85 -0.16	37.38 -2.45 -0.30	42.36 -3.11 -0.39	39.06 -3.54 5.89	40.74 -4.01 8.07	48.39 -4.71 8.05	44.15 -5.83 18.56	41.70 -5.96 20.03	49.32 -7.73 31.75	49.34 -7.74 31.87	50.10 -7.93 35.24	68.17 -7.18 8.19	39.47 -4.37 12.91	38.47 -3.84 8.26	38.50 -3.03 1.18	34.90 -2.38 -0.07	34.28 -2.18 -0.15
MILLIKEN___1 23584	38.63 0.95 -1.04	37.57 0.62 -0.76	35.00 0.51 -0.74	32.60 0.54 -0.37	31.94 0.53 -0.32	34.92 0.54 -0.66	38.01 0.72 -1.05	38.23 0.87 -1.04	42.03 0.99 -1.51	47.68 1.17 -1.43	51.13 1.21 -1.44	56.75 1.43 -2.50	65.38 1.77 -2.46	73.12 1.78 -2.80	77.61 1.69 -8.23	100.69 2.31 -9.58	102.15 2.40 -10.81	107.90 2.61 -12.02	92.95 2.59 -6.81	62.17 1.59 -3.83	54.68 1.62 -2.49	47.74 1.15 -3.88	41.56 0.89 -3.44	39.24 0.94 -1.98
MILLIKEN___2 23585	38.63 0.95 -1.04	37.57 0.62 -0.76	35.00 0.51 -0.74	32.60 0.54 -0.37	31.94 0.53 -0.32	34.92 0.54 -0.66	38.01 0.72 -1.05	38.23 0.87 -1.04	42.03 0.99 -1.51	47.68 1.17 -1.43	51.13 1.21 -1.44	56.75 1.43 -2.50	65.38 1.77 -2.46	73.12 1.78 -2.80	77.61 1.69 -8.23	100.69 2.31 -9.58	102.15 2.40 -10.81	107.90 2.61 -12.02	92.95 2.59 -6.81	62.17 1.59 -3.83	54.68 1.62 -2.49	47.74 1.15 -3.88	41.56 0.89 -3.44	39.24 0.94 -1.98
MILLIKEN___DIESEL 23629	38.63 0.95 -1.04	37.57 0.62 -0.76	35.00 0.51 -0.74	32.60 0.54 -0.37	31.94 0.53 -0.32	34.92 0.54 -0.66	38.01 0.72 -1.05	38.23 0.87 -1.04	42.03 0.99 -1.51	47.68 1.17 -1.43	51.13 1.21 -1.44	56.75 1.43 -2.50	65.38 1.77 -2.46	73.12 1.78 -2.80	77.61 1.69 -8.23	100.69 2.31 -9.58	102.15 2.40 -10.81	107.90 2.61 -12.02	92.95 2.59 -6.81	62.17 1.59 -3.83	54.68 1.62 -2.49	47.74 1.15 -3.88	41.56 0.89 -3.44	39.24 0.94 -1.98
MILLSEAT___LFGE 323607	36.54 -0.40 -0.31	35.07 -1.12 0.00	32.13 -1.62 0.00	30.36 -1.33 0.00	29.88 -1.21 0.00	32.17 -1.55 0.00	34.84 -1.70 -0.30	35.00 -1.67 -0.35	37.99 -1.54 0.00	43.43 -1.62 0.02	46.43 -1.74 0.31	51.13 -1.69 0.00	58.37 -2.14 0.63	66.98 -1.78 -0.22	69.87 -2.30 -4.49	90.18 -2.66 -4.05	91.43 -2.76 -5.25	97.80 -2.80 -7.32	83.32 -2.17 -1.95	56.60 -1.30 -1.15	49.56 -1.01 0.00	44.26 -1.20 -2.75	38.54 -0.93 -2.25	36.68 -0.62 -0.99
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	41.98 3.08 -2.27	38.87 2.68 0.00	36.21 2.46 0.00	33.94 2.25 0.00	33.30 2.21 0.00	36.11 2.39 0.00	41.09 2.61 -2.24	41.83 2.91 -2.61	45.01 3.40 -2.07	49.00 3.92 0.00	52.89 4.41 0.00	57.74 4.91 0.00	68.02 5.81 -1.07	80.01 7.13 -4.34	115.99 7.45 -40.86	137.54 9.77 -38.97	147.20 9.61 -48.65	167.83 9.79 -64.76	129.83 8.69 -37.60	91.77 5.73 -29.29	70.68 4.70 -15.40	69.00 3.80 -22.49	57.76 3.20 -17.34	46.65 2.72 -7.61
MILLWOOD_13_KV_LOAD 356217	42.16 3.26 -2.27	39.05 2.86 0.00	36.35 2.60 0.00	34.06 2.38 0.00	33.42 2.33 0.00	36.21 2.49 0.00	41.24 2.75 -2.24	41.98 3.05 -2.61	45.21 3.60 -2.07	49.27 4.19 0.00	53.14 4.65 0.00	58.06 5.23 0.00	68.45 6.24 -1.07	80.63 7.75 -4.34	116.60 8.05 -40.86	138.34 10.57 -38.97	148.00 10.41 -48.65	168.76 10.73 -64.76	130.67 9.52 -37.60	92.33 6.30 -29.29	71.14 5.16 -15.40	69.38 4.19 -22.49	58.06 3.50 -17.34	46.87 2.94 -7.61
MODEL_CITY_ENERGY 24167	35.53 -1.43 -0.32	34.13 -2.06 0.00	31.22 -2.53 0.00	29.53 -2.16 0.00	29.10 -1.99 0.00	31.29 -2.43 0.00	33.77 -2.79 -0.32	33.78 -2.91 -0.37	36.99 -2.85 -0.30	41.95 -3.11 0.02	44.88 -3.30 0.31	49.44 -3.38 0.00	56.48 -4.04 0.62	64.93 -3.84 -0.23	68.02 -4.40 -4.74	87.48 -5.59 -4.28	88.88 -5.60 -5.54	95.13 -5.87 -7.73	80.76 -4.85 -2.06	54.90 -3.07 -1.22	47.94 -2.63 0.00	43.13 -2.48 -2.90	37.54 -2.05 -2.37	35.76 -1.60 -1.04
MODERN_LFGE___ 323580	35.53 -1.43 -0.32	34.13 -2.06 0.00	31.22 -2.53 0.00	29.53 -2.16 0.00	29.10 -1.99 0.00	31.29 -2.43 0.00	33.77 -2.79 -0.32	33.78 -2.91 -0.37	36.99 -2.85 -0.30	41.95 -3.11 0.02	44.88 -3.30 0.31	49.44 -3.38 0.00	56.48 -4.04 0.62	64.93 -3.84 -0.23	68.02 -4.40 -4.74	87.48 -5.59 -4.28	88.88 -5.60 -5.54	95.13 -5.87 -7.73	80.76 -4.85 -2.06	54.90 -3.07 -1.22	47.94 -2.63 0.00	43.13 -2.48 -2.90	37.54 -2.05 -2.37	35.76 -1.60 -1.04
MOHAWK_PAPER___DRP 24187	41.60 2.02 -2.95	38.04 1.85 0.00	35.44 1.69 0.00	33.24 1.55 0.00	32.58 1.49 0.00	35.37 1.65 0.00	41.00 1.85 -2.91	41.56 1.85 -3.40	48.58 2.17 -6.86	47.56 2.48 0.00	51.15 2.67 0.00	55.63 2.80 0.00	71.87 3.24 -7.49	93.12 3.70 -20.88	159.70 3.66 -88.36	188.06 4.88 -94.38	203.10 4.89 -109.26	229.27 5.32 -130.69	211.96 4.76 -123.65	160.58 3.18 -100.66	114.91 2.78 -61.56	81.37 2.22 -36.44	61.65 1.90 -22.54	47.99 1.78 -9.89
MOHICAN___35_KV_115KV_LD 80490	42.49 2.82 -3.03	38.91 2.71 0.00	36.15 2.40 0.00	33.90 2.22 0.00	33.24 2.15 0.00	36.14 2.43 0.00	42.09 2.86 -2.99	42.71 2.91 -3.49	52.39 3.44 -9.41	49.04 3.97 0.00	52.31 3.83 0.00	57.05 4.23 0.00	70.56 5.01 -4.41	86.57 4.80 -13.23	143.95 4.53 -71.73	168.18 6.04 -73.35	182.47 6.14 -87.39	209.76 7.37 -109.12	209.08 7.10 -118.44	162.85 4.71 -101.40	123.56 4.70 -68.28	79.91 3.67 -33.53	63.19 2.83 -23.14	49.09 2.61 -10.16
MONGAUP___HYD 23641	41.63 2.97 -2.03	38.66 2.46 0.00	36.08 2.33 0.00	33.81 2.12 0.00	33.18 2.08 0.00	35.98 2.26 0.00	40.75 2.50 -2.00	41.19 2.54 -2.34	44.35 2.97 -1.85	48.37 3.29 0.00	51.98 3.49 0.00	56.63 3.81 0.00	66.13 4.16 -0.83	76.69 4.59 -3.55	108.28 4.81 -35.79	129.19 6.48 -33.92	137.43 5.96 -42.53	156.63 6.43 -56.93	121.93 5.76 -32.63	86.46 4.26 -25.46	67.88 3.89 -13.41	66.00 3.33 -19.96	55.58 2.68 -15.68	45.67 2.47 -6.88
MONTAUK___DIESEL 23721	86.94 4.95 -45.36	62.99 4.31 -22.49	55.03 3.78 -17.50	50.02 3.33 -15.01	45.86 3.26 -11.50	49.91 3.57 -12.62	45.89 3.84 -5.81	51.26 4.43 -10.52	68.24 5.54 -23.17	86.91 6.45 -35.39	105.47 7.47 -49.52	128.75 8.35 -67.58	129.61 9.78 -58.69	158.20 11.58 -78.07	201.42 12.12 -121.61	250.72 14.39 -147.54	257.27 14.32 -154.01	301.91 14.64 -193.99	254.51 13.03 -157.94	237.79 8.63 -172.42	214.77 8.04 -156.16	147.65 6.36 -98.58	98.61 5.02 -56.36	98.56 4.54 -57.70
MOONROAD_115KV_HARTFLD_TB1-2 355988	36.94 -0.07 -0.38	35.22 -0.98 0.00	32.70 -1.05 0.00	31.05 -0.63 0.00	30.47 -0.62 0.00	32.87 -0.84 0.00	35.67 -0.94 -0.37	36.13 -0.62 -0.43	39.85 -0.04 -0.36	45.33 0.27 0.02	48.26 0.05 0.27	53.09 0.26 0.00	60.95 0.37 0.56	69.90 1.10 -0.26	74.32 1.15 -5.48	94.81 1.07 -4.95	96.42 1.07 -6.41	103.15 0.93 -8.95	89.19 1.17 -4.48	60.54 0.28 -3.51	53.40 1.01 -1.81	46.41 0.34 -3.36	40.00 0.04 -2.74	37.70 0.18 -1.21

MORTIMER_115KV_TB3 55949	36.79 -0.11 -0.26	35.14 -1.05 0.00	32.67 -1.08 0.00	30.86 -0.82 0.00	30.25 -0.84 0.00	32.67 -1.05 0.00	35.52 -0.98 -0.25	35.78 -0.84 -0.30	38.67 -0.87 0.00	44.20 -0.86 0.02	47.47 -0.68 0.34	52.30 -0.53 0.00	59.67 -0.79 0.68	68.18 -0.55 -0.18	70.84 -0.61 -3.76	91.39 -0.80 -3.39	92.45 -0.89 -4.40	98.48 -0.93 -6.14	84.43 -0.75 -1.64	57.09 -0.62 -0.97	50.32 -0.25 0.00	44.80 -0.21 -2.30	38.74 -0.37 -1.89	36.93 -0.22 -0.83
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.55 2.46 0.00	36.38 2.66 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.36 4.28 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	71.02 4.91 -15.54	69.40 4.01 -22.67	58.12 3.42 -17.48	46.93 2.94 -7.67
MUNSVILLE_WIND_PWR 323609	41.02 3.33 -1.04	39.64 2.97 -0.48	36.78 2.56 -0.47	34.39 2.47 -0.24	33.81 2.52 -0.20	36.87 2.73 -0.42	40.65 3.33 -1.07	40.90 3.45 -1.14	44.89 3.76 -1.59	50.49 4.51 -0.90	53.89 4.46 -0.95	60.16 5.49 -1.84	69.03 6.11 -1.77	76.28 5.35 -2.39	83.18 4.94 -10.55	106.83 6.84 -11.19	109.16 6.94 -13.27	117.37 7.84 -16.26	99.88 7.60 -8.73	67.75 5.11 -5.90	58.91 4.86 -3.48	51.94 3.71 -5.52	44.44 2.75 -4.47	42.13 3.52 -2.29
N SALMON___HYD 24042	35.06 -1.57 0.00	35.03 -1.16 0.00	32.74 -1.01 0.00	30.67 -1.02 0.00	30.10 -1.00 0.00	32.74 -0.98 0.00	35.30 -0.94 0.00	35.44 -0.87 0.00	38.23 -1.30 0.00	43.19 -1.89 0.00	43.96 -2.47 2.06	47.14 -2.85 2.84	54.88 -3.42 2.84	57.48 -4.25 6.81	56.90 -4.06 6.73	72.40 -5.68 10.71	72.53 -5.69 10.72	75.97 -5.59 11.70	75.61 -5.10 2.84	49.63 -2.89 4.22	45.56 -2.27 2.74	40.80 -1.50 0.41	36.14 -1.08 0.00	35.26 -1.05 0.00
N.AKRON___115KV_KNAPP 355671	36.54 -0.40 -0.31	34.60 -1.59 0.00	32.16 -1.59 0.00	30.51 -1.17 0.00	29.91 -1.18 0.00	32.16 -1.55 0.00	34.81 -1.74 -0.31	35.04 -1.63 -0.36	37.99 -1.54 0.00	43.39 -1.67 0.02	46.42 -1.75 0.31	51.19 -1.64 0.00	58.43 -2.08 0.63	66.98 -1.78 -0.22	70.31 -1.90 -4.52	90.21 -2.66 -4.08	91.47 -2.76 -5.29	97.85 -2.80 -7.38	83.25 -2.26 -1.97	56.26 -1.65 -1.16	49.82 -0.76 0.00	44.71 -0.77 -2.77	38.56 -0.93 -2.27	36.69 -0.62 -1.00
N.BELMOR_69_KV_BK1 55787	85.92 3.92 -45.36	62.15 3.47 -22.49	54.49 3.24 -17.50	49.70 3.01 -15.01	45.52 2.92 -11.50	49.51 3.17 -12.62	45.49 3.44 -5.81	50.61 3.78 -10.52	67.01 4.31 -23.17	85.47 5.00 -35.39	98.03 5.53 -44.02	102.35 6.18 -43.34	103.96 7.34 -35.48	144.25 8.84 -66.86	204.54 9.27 -127.58	193.08 12.17 -92.12	232.70 12.19 -131.57	248.84 12.41 -143.16	155.01 11.03 -60.44	114.41 7.26 -50.40	108.22 5.92 -51.72	103.93 4.91 -56.31	97.67 4.09 -56.36	97.60 3.60 -57.69
N.E_GEN_SANDY PD 24062	58.50 2.49 -19.37	58.00 2.13 -19.67	41.29 2.06 -5.48	41.13 1.90 -7.54	38.00 1.87 -5.04	40.38 2.02 -4.64	47.88 2.21 -9.43	42.53 2.33 -3.89	52.60 2.69 -10.37	53.16 3.11 -4.98	51.78 3.30 0.00	56.42 3.59 0.00	67.10 4.22 -1.74	84.00 5.07 -10.38	136.16 5.08 -63.40	157.56 6.66 -62.10	180.72 6.76 -85.02	214.70 6.90 -114.53	209.00 6.18 -119.27	153.40 4.14 -92.51	136.20 3.54 -82.09	97.80 2.99 -52.10	63.26 2.57 -23.48	57.00 2.29 -18.40
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	41.75 2.93 -2.18	38.69 2.50 0.00	36.08 2.33 0.00	33.81 2.12 0.00	33.18 2.08 0.00	35.94 2.23 0.00	40.83 2.43 -2.15	41.55 2.72 -2.51	44.77 3.24 -1.99	48.86 3.79 0.00	52.75 4.27 0.00	57.58 4.75 0.00	67.80 5.69 -0.97	79.50 6.92 -4.03	113.95 7.31 -38.96	135.44 9.59 -37.06	144.80 9.52 -46.34	164.70 9.61 -61.83	127.69 8.44 -35.70	90.08 5.50 -27.83	69.67 4.45 -14.64	67.85 3.59 -21.55	56.90 3.01 -16.67	46.21 2.58 -7.32
N.QUEENS_27_KV_LOAD 356247	42.70 3.77 -2.29	39.57 3.37 -0.01	36.93 3.17 -0.01	34.64 2.95 -0.01	33.93 2.83 -0.01	36.68 2.97 0.00	41.51 3.01 -2.26	42.43 3.49 -2.63	45.54 3.91 -2.09	49.22 4.15 0.01	53.32 4.85 0.01	58.52 5.71 0.01	68.88 6.66 -1.08	80.68 7.75 -4.39	117.50 8.60 -41.22	139.31 11.19 -39.32	148.87 10.85 -49.08	169.49 10.91 -65.31	131.00 9.52 -37.94	92.65 6.36 -29.55	71.16 5.06 -15.53	69.53 4.14 -22.68	58.27 3.57 -17.48	47.04 3.05 -7.67
N.TROY___115KV_TB1 355778	41.77 2.16 -2.97	38.22 2.03 0.00	35.57 1.82 0.00	33.36 1.68 0.00	32.74 1.65 0.00	35.54 1.82 0.00	41.20 2.03 -2.93	41.80 2.07 -3.42	50.09 2.37 -8.18	47.83 2.75 0.00	51.34 2.86 0.00	55.89 3.06 0.00	72.76 3.61 -8.01	94.85 4.11 -22.19	163.35 3.99 -91.67	192.51 5.33 -98.39	207.91 5.43 -113.55	234.20 5.78 -135.15	225.57 5.26 -136.76	172.93 3.52 -112.67	124.55 3.19 -70.79	82.56 2.61 -37.24	62.06 2.16 -22.69	48.27 2.00 -9.96
NARROWS_GT1_1 24228	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT1_2 24229	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT1_3 24230	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT1_4 24231	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT1_5 24232	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74

NARROWS_GT1_6 24233	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT1_7 24234	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT1_8 24235	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_1 24236	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_2 24237	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_3 24238	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_4 24239	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_5 24240	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_6 24241	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_7 24242	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NARROWS_GT2_8 24243	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.59 6.30 -29.54	74.60 4.96 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	41.69 2.31 -2.75	38.58 2.39 0.00	35.91 2.16 0.00	33.68 2.00 0.00	33.05 1.96 0.00	35.91 2.19 0.00	41.17 2.21 -2.71	41.59 2.11 -3.17	46.24 2.25 -4.45	47.69 2.61 0.00	51.10 2.62 0.00	55.10 2.27 0.00	54.25 2.63 9.52	49.65 2.88 21.78	57.41 2.78 13.05	62.13 3.73 30.40	70.28 4.09 22.75	94.11 4.94 4.10	65.42 4.68 22.80	48.58 3.06 11.23	54.04 2.88 -0.58	59.32 2.18 -14.43	60.01 1.79 -21.00	47.31 1.78 -9.22
NCHELSEA_115KV_TR2 355582	42.26 3.33 -2.29	39.13 2.93 0.00	36.45 2.70 0.00	34.16 2.47 0.00	33.52 2.43 0.00	36.35 2.63 0.00	41.37 2.86 -2.26	42.04 3.09 -2.64	45.34 3.68 -2.12	49.36 4.28 0.00	53.23 4.75 0.00	58.11 5.28 0.00	68.25 6.30 -0.81	79.78 7.54 -3.69	114.98 7.72 -39.58	136.22 10.12 -37.30	146.03 10.14 -46.94	166.77 10.35 -63.14	128.69 9.11 -36.04	90.92 5.96 -28.21	70.60 5.06 -14.96	69.13 4.06 -22.36	58.04 3.31 -17.51	46.94 2.94 -7.69
NEG CAPITAL___MECHNVIL 23645	42.36 2.71 -3.01	38.73 2.53 0.00	36.05 2.30 0.00	33.81 2.12 0.00	33.14 2.05 0.00	35.98 2.26 0.00	41.79 2.57 -2.97	42.39 2.62 -3.46	51.68 3.09 -9.05	48.59 3.52 0.00	52.12 3.64 0.00	56.84 4.01 0.00	71.39 4.71 -5.55	89.68 5.07 -16.06	150.57 4.88 -78.01	176.61 6.57 -81.24	191.25 6.67 -95.63	218.05 7.46 -117.31	214.82 6.85 -124.43	166.50 4.59 -105.16	124.02 4.20 -69.25	80.73 3.33 -34.69	62.95 2.72 -23.01	48.92 2.50 -10.10
NEG CENTRAL_HIGH_ACRES 23767	36.34 -0.55 -0.25	35.07 -1.12 0.00	32.37 -1.39 0.00	30.48 -1.20 0.00	29.94 -1.15 0.00	32.37 -1.35 0.00	35.25 -1.23 -0.24	35.51 -1.09 -0.28	38.39 -1.15 0.00	43.93 -1.13 0.02	47.16 -1.02 0.30	51.82 -1.01 0.00	59.31 -1.22 0.60	67.55 -1.17 -0.17	69.86 -1.42 -3.59	90.45 -1.60 -3.24	91.46 -1.69 -4.21	97.36 -1.78 -5.87	83.52 -1.59 -1.56	56.59 -1.08 -0.92	49.51 -1.06 0.00	43.88 -1.03 -2.20	38.18 -0.85 -1.82	36.42 -0.69 -0.80

NEG CENTRAL___DRP 24199	37.74 0.22 -0.88	36.68 -0.29 -0.77	34.13 -0.37 -0.75	31.88 -0.19 -0.38	31.26 -0.16 -0.32	34.12 -0.27 -0.68	37.01 -0.14 -0.92	37.27 0.07 -0.89	40.77 0.12 -1.12	46.81 0.27 -1.46	50.23 0.34 -1.41	55.62 0.48 -2.32	63.93 0.61 -2.18	71.73 0.69 -2.50	74.32 0.61 -6.03	96.67 0.44 -7.43	97.52 0.44 -8.14	102.34 0.56 -8.51	87.75 0.67 -3.54	58.12 0.34 -1.03	51.57 0.51 -0.49	45.55 0.21 -2.63	39.57 0.15 -2.20	37.90 0.18 -1.41
NEG CENTRAL___INDECK 23768	36.89 -0.11 -0.36	35.47 -0.72 0.00	32.67 -1.08 0.00	30.80 -0.89 0.00	30.25 -0.84 0.00	32.74 -0.98 0.00	35.59 -1.01 -0.36	35.68 -1.05 -0.42	38.62 -1.27 -0.35	43.48 -1.58 0.02	46.48 -1.74 0.26	51.29 -1.53 0.00	56.57 -4.04 0.53	64.48 -4.32 -0.25	68.32 -4.67 -5.30	87.28 -6.30 -4.78	88.83 -6.31 -6.20	95.95 -5.97 -8.65	83.35 -4.51 -4.32	57.69 -2.44 -3.38	52.32 0.00 -1.74	45.61 -0.34 -3.24	39.64 -0.26 -2.68	37.31 -0.18 -1.18
NEG CENTRAL___SENECA 23627	37.59 0.33 -0.62	36.28 -0.33 -0.41	33.74 -0.41 -0.40	31.73 -0.16 -0.20	31.14 -0.12 -0.17	33.77 -0.30 -0.36	36.70 -0.18 -0.64	37.03 0.07 -0.65	40.33 0.20 -0.59	46.15 0.32 -0.76	49.48 0.34 -0.66	54.69 0.53 -1.33	62.84 0.73 -0.97	71.00 0.82 -1.63	74.05 0.74 -5.62	95.43 0.36 -6.28	96.45 0.27 -7.24	102.21 0.47 -8.47	87.15 0.67 -2.93	58.38 0.40 -1.24	51.53 0.61 -0.35	45.72 0.26 -2.76	39.70 0.19 -2.29	37.81 0.25 -1.24
NEG CENTRAL___STATE_STREET 24147	38.09 0.37 -1.09	37.19 -0.04 -1.03	34.62 -0.14 -1.00	32.16 -0.03 -0.51	31.49 -0.03 -0.43	34.55 -0.07 -0.90	37.41 0.04 -1.13	37.60 0.22 -1.07	41.34 0.32 -1.49	47.52 0.50 -1.95	51.08 0.58 -2.02	56.71 0.74 -3.14	65.24 0.92 -3.18	72.87 0.96 -3.37	75.36 0.88 -6.79	98.81 1.15 -8.86	99.54 1.16 -9.44	103.80 1.21 -9.31	88.98 1.25 -4.18	58.52 0.68 -1.09	51.98 0.71 -0.70	45.87 0.47 -2.69	39.79 0.30 -2.27	38.23 0.33 -1.59
NEG MILLWOOD___DRP 24198	42.58 3.63 -2.32	39.34 3.15 0.00	36.62 2.87 0.00	34.32 2.63 0.00	33.70 2.61 0.00	36.48 2.76 0.00	41.61 3.08 -2.29	42.33 3.34 -2.67	45.70 4.03 -2.13	49.72 4.64 0.00	53.62 5.14 0.00	58.64 5.81 0.00	69.16 7.03 -0.99	81.55 8.84 -4.17	117.86 9.00 -41.17	139.69 11.81 -39.08	149.62 11.74 -48.94	170.90 12.22 -65.41	132.15 10.86 -37.75	93.47 7.26 -29.47	72.25 6.12 -15.55	70.49 4.91 -22.87	58.92 3.98 -17.72	47.40 3.30 -7.78
NEG NORTH_FLCN_SEA 23793	35.58 -1.06 0.00	35.54 -0.65 0.00	33.21 -0.54 0.00	31.08 -0.60 0.00	30.53 -0.56 0.00	33.18 -0.54 0.00	35.74 -0.51 0.00	35.88 -0.44 0.00	38.79 -0.75 0.00	43.05 -2.03 0.00	45.23 -3.25 0.00	49.18 -3.65 0.00	56.74 -4.40 0.00	62.52 -5.21 0.81	62.20 -5.48 0.00	81.87 -6.93 0.00	82.09 -6.85 0.00	86.46 -6.81 0.00	77.45 -6.10 0.00	53.23 -3.52 0.00	47.44 -3.14 0.00	40.92 -1.79 0.00	36.77 -0.45 0.00	35.77 -0.54 0.00
NEG NORTH_KES_CHATEGAY 23792	35.14 -1.50 0.00	35.14 -1.05 0.00	32.81 -0.95 0.00	30.73 -0.95 0.00	30.19 -0.90 0.00	32.81 -0.91 0.00	35.30 -0.94 0.00	35.33 -0.98 0.00	38.19 -1.34 0.00	43.05 -2.03 0.00	45.20 -2.67 0.61	48.97 -3.01 0.84	56.63 -3.67 0.84	61.63 -4.32 2.60	61.21 -4.47 2.00	80.01 -5.59 3.19	80.24 -5.51 3.19	84.28 -5.50 3.48	77.85 -4.85 0.84	52.71 -2.78 1.26	47.28 -2.48 0.82	40.88 -1.71 0.12	36.29 -0.93 0.00	35.33 -0.98 0.00
NEG NORTH___ALICE_FALLS 23915	35.54 -1.10 0.00	35.54 -0.65 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.18 -0.54 0.00	35.77 -0.47 0.00	35.88 -0.44 0.00	38.79 -0.75 0.00	43.32 -1.76 0.00	45.60 -2.72 0.17	49.48 -3.12 0.23	57.18 -3.73 0.23	62.71 -4.52 1.31	62.33 -4.81 0.55	81.88 -6.04 0.88	82.10 -5.96 0.88	86.43 -5.88 0.96	78.05 -5.26 0.23	53.56 -2.84 0.35	47.87 -2.48 0.23	41.18 -1.49 0.03	36.77 -0.45 0.00	35.81 -0.51 0.00
NEG NORTH___LWR_SARANAC 23913	35.54 -1.10 0.00	35.54 -0.65 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.18 -0.54 0.00	35.77 -0.47 0.00	35.88 -0.44 0.00	38.79 -0.75 0.00	43.32 -1.76 0.00	45.60 -2.72 0.17	49.48 -3.12 0.23	57.18 -3.73 0.23	62.71 -4.52 1.31	62.33 -4.81 0.55	81.88 -6.04 0.88	82.10 -5.96 0.88	86.43 -5.88 0.96	78.05 -5.26 0.23	53.56 -2.84 0.35	47.87 -2.48 0.23	41.18 -1.49 0.03	36.77 -0.45 0.00	35.81 -0.51 0.00
NEG NORTH___PLATTSBURG 23628	35.54 -1.10 0.00	35.50 -0.69 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.18 -0.54 0.00	35.77 -0.47 0.00	35.92 -0.40 0.00	38.78 -0.75 0.00	43.32 -1.76 0.00	45.60 -2.71 0.17	49.48 -3.12 0.23	57.18 -3.73 0.23	62.71 -4.53 1.31	62.80 -4.33 0.55	81.87 -6.04 0.88	82.10 -5.96 0.88	86.44 -5.87 0.96	78.05 -5.26 0.23	53.45 -2.95 0.35	48.18 -2.17 0.23	41.70 -0.98 0.03	36.77 -0.44 0.00	35.81 -0.51 0.00
NEG WEST_LEA_LOCKPORT 23791	35.64 -1.32 -0.32	33.77 -2.42 0.00	31.39 -2.36 0.00	29.82 -1.87 0.00	29.20 -1.90 0.00	31.39 -2.33 0.00	33.91 -2.65 -0.32	34.00 -2.69 -0.37	37.19 -2.65 -0.30	42.17 -2.88 0.02	45.12 -3.05 0.31	49.71 -3.12 0.00	56.73 -3.79 0.62	65.20 -3.56 -0.22	68.71 -3.66 -4.68	87.78 -5.24 -4.22	89.17 -5.25 -5.47	95.40 -5.50 -7.63	80.98 -4.59 -2.03	54.77 -3.18 -1.20	48.45 -2.12 0.00	43.74 -1.84 -2.86	37.70 -1.86 -2.35	35.89 -1.45 -1.03
NEG WEST___LANCASTR 23811	35.25 -1.76 -0.38	34.20 -1.99 0.00	31.76 -1.99 0.00	30.13 -1.55 0.00	29.51 -1.59 0.00	31.79 -1.92 0.00	33.64 -2.97 -0.37	33.95 -2.80 -0.44	38.08 -1.82 -0.36	43.21 -1.85 0.02	45.06 -3.15 0.27	49.76 -3.06 0.00	57.16 -3.42 0.55	65.66 -3.15 -0.27	70.24 -2.98 -5.53	89.62 -4.17 -4.99	91.32 -4.09 -6.47	97.92 -4.38 -9.03	84.39 -3.68 -4.53	57.45 -2.84 -3.54	51.45 -0.96 -1.83	44.00 -2.09 -3.39	37.86 -2.12 -2.77	35.68 -1.85 -1.22
NEG_PENN_ALLEGHNY 23528	38.24 0.55 -1.05	36.98 0.33 -0.46	34.33 0.14 -0.45	32.14 0.22 -0.23	31.50 0.22 -0.19	34.32 0.20 -0.40	37.53 0.22 -1.07	37.67 0.22 -1.14	41.40 0.48 -1.38	46.62 0.68 -0.87	50.00 0.63 -0.89	55.39 1.00 -1.56	63.88 1.29 -1.45	72.20 1.51 -2.15	80.70 1.35 -11.66	102.60 1.87 -11.94	105.50 2.13 -14.43	113.63 2.15 -18.22	95.26 2.00 -9.72	64.82 1.25 -6.83	55.71 1.21 -3.93	49.77 0.73 -6.34	42.87 0.52 -5.13	39.42 0.58 -2.53
NEG___GEN_MONROE 24207	37.04 0.15 -0.26	35.32 -0.87 0.00	32.81 -0.95 0.00	30.96 -0.73 0.00	30.35 -0.75 0.00	32.81 -0.91 0.00	35.67 -0.83 -0.26	35.85 -0.76 -0.30	38.67 -0.87 0.00	44.29 -0.77 0.02	47.57 -0.58 0.33	52.40 -0.42 0.00	59.79 -0.67 0.68	68.32 -0.41 -0.18	71.01 -0.47 -3.80	91.70 -0.53 -3.43	92.59 -0.80 -4.45	98.73 -0.75 -6.21	84.78 -0.42 -1.65	57.38 -0.34 -0.98	50.63 0.05 0.00	45.08 0.04 -2.33	39.02 -0.11 -1.91	37.26 0.11 -0.84
NEPA___ENERGY 23901	36.36 -0.66 -0.38	34.71 -1.48 0.00	32.23 -1.52 0.00	30.58 -1.11 0.00	29.94 -1.15 0.00	32.27 -1.45 0.00	34.81 -1.81 -0.38	35.08 -1.67 -0.44	38.75 -1.15 -0.36	43.98 -1.08 0.02	46.71 -1.50 0.27	51.61 -1.22 0.00	59.31 -1.28 0.55	68.06 -0.75 -0.27	72.66 -0.61 -5.58	92.86 -0.98 -5.04	94.58 -0.89 -6.53	101.36 -1.03 -9.11	87.36 -0.75 -4.57	59.47 -0.85 -3.58	52.32 -0.10 -1.85	45.44 -0.68 -3.42	39.12 -0.89 -2.79	36.85 -0.69 -1.23

NEVERSINK___HYD 23608	40.88 2.24 -2.01	37.97 1.77 0.00	35.47 1.72 0.00	33.24 1.55 0.00	32.62 1.52 0.00	35.37 1.65 0.00	40.08 1.85 -1.99	40.63 2.00 -2.32	43.92 2.41 -1.97	47.87 2.80 0.00	51.59 3.11 0.00	56.31 3.49 0.00	65.42 4.28 0.00	75.02 5.00 -1.47	103.73 5.28 -30.77	123.57 7.01 -27.76	132.14 7.20 -36.00	150.85 7.37 -50.22	117.20 6.52 -27.13	82.61 4.20 -21.66	66.00 3.54 -11.89	64.36 2.82 -18.83	54.68 2.08 -15.38	44.92 1.85 -6.75
NEWKRMKL_115KV_TB1 55635	41.19 1.61 -2.94	37.64 1.45 0.00	35.07 1.32 0.00	32.89 1.20 0.00	32.24 1.15 0.00	35.00 1.28 0.00	40.60 1.45 -2.91	41.16 1.45 -3.39	47.70 1.70 -6.47	47.06 1.98 0.00	50.62 2.13 0.00	54.94 2.11 0.00	59.68 2.45 3.91	63.81 2.88 7.61	92.85 2.78 -22.39	105.08 3.73 -12.55	115.80 3.74 -23.12	140.98 4.10 -43.60	121.98 3.59 -34.85	93.74 2.33 -34.67	80.62 2.02 -28.02	67.24 1.62 -22.91	61.14 1.41 -22.50	47.54 1.34 -9.88
NEWTON___FALLS_HYD 23847	35.22 -1.80 -0.38	34.97 -1.63 -0.41	32.63 -1.52 -0.40	30.46 -1.43 -0.20	29.86 -1.40 -0.17	32.62 -1.45 -0.36	35.26 -1.38 -0.40	35.34 -1.34 -0.37	38.43 -1.70 -0.59	43.73 -2.12 -0.78	42.59 -2.47 3.42	45.45 -2.75 4.63	53.33 -3.24 4.57	52.59 -4.32 11.64	51.26 -4.47 11.96	63.73 -5.77 19.30	63.88 -5.78 19.28	65.80 -5.78 21.69	73.92 -5.10 4.53	45.16 -3.12 8.47	42.51 -2.68 5.38	40.25 -2.22 0.24	35.83 -1.90 -0.51	35.17 -1.60 -0.45
NGRID_A1_DSASP 323792	35.28 -1.68 -0.32	33.88 -2.32 0.00	30.95 -2.80 0.00	29.37 -2.31 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.35 -3.34 -0.38	36.48 -3.36 -0.30	41.36 -3.70 0.02	44.30 -3.88 0.31	48.81 -4.02 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.11 -5.35 -4.77	86.27 -6.84 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	54.22 -3.75 -1.23	47.29 -3.29 0.00	42.64 -2.99 -2.92	37.11 -2.49 -2.39	35.40 -1.96 -1.05
NGRID_A2_DSASP 323793	35.28 -1.68 -0.32	33.88 -2.32 0.00	30.95 -2.80 0.00	29.37 -2.31 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.35 -3.34 -0.38	36.48 -3.36 -0.30	41.36 -3.70 0.02	44.30 -3.88 0.31	48.81 -4.02 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.11 -5.35 -4.77	86.27 -6.84 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	54.22 -3.75 -1.23	47.29 -3.29 0.00	42.64 -2.99 -2.92	37.11 -2.49 -2.39	35.40 -1.96 -1.05
NGRID_A4_DSASP 323807	35.28 -1.68 -0.32	33.88 -2.32 0.00	30.95 -2.80 0.00	29.37 -2.31 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.35 -3.34 -0.38	36.48 -3.36 -0.30	41.36 -3.70 0.02	44.30 -3.88 0.31	48.81 -4.02 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.11 -5.35 -4.77	86.27 -6.84 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	54.22 -3.75 -1.23	47.29 -3.29 0.00	42.64 -2.99 -2.92	37.11 -2.49 -2.39	35.40 -1.96 -1.05
NIAGARA_115E_LBMP 323715	35.39 -1.57 -0.33	34.02 -2.17 0.00	31.08 -2.67 0.00	29.44 -2.25 0.00	29.01 -2.08 0.00	31.19 -2.53 0.00	33.63 -2.93 -0.32	33.60 -3.09 -0.38	36.80 -3.04 -0.31	41.72 -3.34 0.02	44.64 -3.54 0.30	49.18 -3.64 0.00	56.19 -4.34 0.62	64.66 -4.11 -0.23	67.73 -4.74 -4.79	87.08 -6.04 -4.32	88.49 -6.05 -5.60	94.74 -6.35 -7.81	80.37 -5.26 -2.08	54.68 -3.29 -1.23	47.74 -2.83 0.00	42.99 -2.65 -2.93	37.42 -2.20 -2.40	35.66 -1.71 -1.05
NIAGARA_115W_LBMP 323714	35.17 -1.79 -0.32	33.80 -2.39 0.00	30.88 -2.87 0.00	29.31 -2.38 0.00	28.60 -2.49 0.00	30.78 -2.93 0.00	33.34 -3.23 -0.32	33.27 -3.41 -0.38	36.36 -3.48 -0.30	41.22 -3.83 0.02	44.15 -4.02 0.31	48.65 -4.17 0.00	55.63 -4.89 0.62	63.91 -4.87 -0.23	66.97 -5.48 -4.77	86.08 -7.02 -4.30	87.49 -7.03 -5.58	93.68 -7.37 -7.78	79.35 -6.27 -2.07	54.11 -3.86 -1.22	47.19 -3.39 0.00	42.55 -3.08 -2.92	37.04 -2.57 -2.38	35.33 -2.03 -1.05
NIAGARA_230_LBMP 323716	35.57 -1.39 -0.32	34.20 -1.99 0.00	31.29 -2.46 0.00	29.63 -2.06 0.00	29.07 -2.02 0.00	31.29 -2.43 0.00	33.88 -2.68 -0.32	33.81 -2.87 -0.37	36.99 -2.85 -0.30	41.95 -3.11 0.02	44.92 -3.25 0.31	49.50 -3.33 0.00	56.54 -3.97 0.63	65.00 -3.77 -0.23	68.12 -4.26 -4.70	87.71 -5.33 -4.24	89.01 -5.43 -5.50	95.25 -5.69 -7.67	80.91 -4.68 -2.04	55.00 -2.95 -1.21	48.00 -2.58 0.00	43.24 -2.35 -2.88	37.60 -1.97 -2.35	35.82 -1.52 -1.03
NIAGARA___115KV_198_GIBSON 55903	35.17 -1.80 -0.32	33.12 -3.08 0.00	30.78 -2.97 0.00	29.25 -2.44 0.00	28.64 -2.46 0.00	30.78 -2.93 0.00	33.34 -3.23 -0.32	33.31 -3.38 -0.38	36.36 -3.48 -0.30	41.22 -3.83 0.02	44.20 -3.98 0.31	48.71 -4.12 0.00	55.62 -4.89 0.62	63.91 -4.87 -0.23	67.37 -5.08 -4.77	86.08 -7.01 -4.30	87.49 -7.03 -5.58	93.68 -7.37 -7.78	79.35 -6.27 -2.07	53.83 -4.14 -1.22	47.44 -3.14 0.00	42.98 -2.65 -2.92	37.04 -2.57 -2.39	35.33 -2.03 -1.05
NIAGARA____ 23760	35.57 -1.39 -0.32	34.20 -1.99 0.00	31.29 -2.46 0.00	29.63 -2.06 0.00	29.07 -2.02 0.00	31.29 -2.43 0.00	33.88 -2.68 -0.32	33.82 -2.87 -0.37	36.99 -2.85 -0.30	41.95 -3.11 0.02	44.93 -3.25 0.31	49.50 -3.33 0.00	56.54 -3.97 0.62	65.00 -3.77 -0.23	68.16 -4.26 -4.74	87.75 -5.33 -4.27	89.05 -5.43 -5.54	95.31 -5.69 -7.73	80.93 -4.68 -2.06	55.01 -2.95 -1.22	48.00 -2.58 0.00	43.27 -2.35 -2.90	37.62 -1.97 -2.38	35.84 -1.52 -1.05
NINE_MILE_1 23575	30.28 -0.95 5.41	28.14 -1.12 6.94	25.88 -1.11 6.76	27.25 -1.02 3.42	27.18 -1.00 2.91	26.53 -1.11 6.08	29.38 -1.12 5.74	30.19 -1.05 5.07	28.40 -1.11 10.03	30.54 -1.21 13.33	30.04 -1.26 17.18	29.72 -1.32 21.79	32.03 -1.53 27.58	43.57 -1.71 23.26	45.05 -1.82 20.81	47.95 -2.31 38.54	51.33 -2.31 35.29	68.25 -2.43 22.59	64.36 -2.09 17.10	53.24 -1.48 2.03	43.56 -1.32 5.70	39.92 -1.20 1.59	34.92 -1.04 1.25	30.89 -0.98 4.44
NINE_MILE_2 23744	30.19 -0.95 5.49	28.03 -1.12 7.04	25.78 -1.11 6.86	27.20 -1.02 3.47	27.14 -1.00 2.96	26.43 -1.11 6.17	29.29 -1.12 5.82	30.11 -1.05 5.15	28.25 -1.11 10.18	30.34 -1.21 13.53	29.79 -1.26 17.44	29.39 -1.32 22.12	31.62 -1.53 27.99	43.22 -1.71 23.62	44.71 -1.82 21.15	47.33 -2.31 39.15	50.76 -2.31 35.86	67.86 -2.43 22.98	64.09 -2.09 17.37	53.21 -1.48 2.06	43.47 -1.32 5.79	39.88 -1.20 1.64	34.89 -1.04 1.29	30.82 -0.98 4.52
NM_CAPITAL___DRP 24208	41.26 1.69 -2.93	37.75 1.56 0.00	35.17 1.42 0.00	32.95 1.27 0.00	32.34 1.24 0.00	35.10 1.38 0.00	40.66 1.52 -2.90	41.22 1.53 -3.38	47.66 1.74 -6.39	47.11 2.03 0.00	50.66 2.18 0.00	55.05 2.22 0.00	64.50 2.51 -0.85	75.77 2.95 -4.28	120.43 2.91 -49.83	139.34 3.91 -46.63	151.83 3.91 -58.97	177.26 4.20 -79.79	157.61 3.68 -70.39	119.88 2.44 -60.70	93.42 2.12 -40.72	72.91 1.71 -28.49	61.17 1.49 -22.46	47.59 1.42 -9.86
NM_CENTRAL___DRP 24181	37.21 -0.15 -0.71	36.43 -0.43 -0.67	33.93 -0.47 -0.66	31.64 -0.38 -0.33	31.00 -0.37 -0.28	33.87 -0.44 -0.59	36.62 -0.36 -0.74	36.77 -0.25 -0.71	40.31 -0.20 -0.97	46.26 -0.09 -1.27	49.55 -0.05 -1.11	54.77 0.05 -1.90	62.97 0.12 -1.70	70.51 0.07 -1.89	71.92 0.00 -4.24	94.16 0.00 -5.36	94.73 0.00 -5.78	99.00 0.00 -5.73	86.19 0.00 -2.64	57.12 -0.17 -0.54	50.79 -0.10 -0.32	44.36 -0.17 -1.82	38.52 -0.22 -1.52	37.18 -0.18 -1.05

NM_FRONTIER___DRP 24179	35.17 -1.80 -0.32	33.12 -3.08 0.00	30.78 -2.97 0.00	29.25 -2.44 0.00	28.64 -2.46 0.00	30.78 -2.93 0.00	33.34 -3.23 -0.32	33.31 -3.38 -0.38	36.36 -3.48 -0.30	41.22 -3.83 0.02	44.20 -3.98 0.31	48.71 -4.12 0.00	55.62 -4.89 0.62	63.91 -4.87 -0.23	67.37 -5.08 -4.77	86.08 -7.01 -4.30	87.49 -7.03 -5.58	93.68 -7.37 -7.78	79.35 -6.27 -2.07	53.83 -4.14 -1.22	47.44 -3.14 0.00	42.98 -2.65 -2.92	37.04 -2.57 -2.39	35.33 -2.03 -1.05
NM_ST_REGIS___HYD 24053	34.29 -2.34 0.00	34.31 -1.88 0.00	32.03 -1.72 0.00	30.04 -1.65 0.00	29.48 -1.62 0.00	32.06 -1.65 0.00	34.58 -1.67 0.00	34.68 -1.63 0.00	37.36 -2.17 0.00	42.19 -2.88 0.00	39.69 -3.35 5.45	42.09 -3.80 6.93	49.77 -4.46 6.91	46.99 -5.48 16.07	44.78 -5.69 17.22	54.22 -7.28 27.30	54.16 -7.38 27.40	55.49 -7.46 30.32	69.74 -6.77 7.03	41.61 -4.03 11.11	39.93 -3.54 7.10	38.92 -2.78 1.01	35.19 -2.08 -0.06	34.52 -1.92 -0.13
NORTHPORT___1 23551	85.95 3.96 -45.36	62.15 3.47 -22.49	54.49 3.24 -17.50	49.67 2.98 -15.01	45.51 2.92 -11.50	49.47 3.14 -12.62	45.60 3.55 -5.81	50.79 3.96 -10.52	67.25 4.54 -23.17	85.56 5.09 -35.39	97.71 5.04 -44.19	99.52 5.44 -41.25	101.04 6.42 -33.48	104.19 7.68 -27.97	140.37 8.12 -64.57	161.83 10.65 -62.38	201.76 10.40 -102.42	237.58 10.72 -133.59	154.80 9.52 -61.73	116.58 6.35 -53.48	106.70 5.21 -50.91	101.27 4.23 -54.33	97.87 4.13 -56.52	97.71 3.63 -57.77
NORTHPORT___2 23552	85.95 3.96 -45.36	62.15 3.47 -22.49	54.49 3.24 -17.50	49.67 2.98 -15.01	45.51 2.92 -11.50	49.47 3.14 -12.62	45.60 3.55 -5.81	50.79 3.96 -10.52	67.25 4.54 -23.17	85.56 5.09 -35.39	97.71 5.04 -44.19	99.52 5.44 -41.25	101.04 6.42 -33.48	101.98 7.68 -25.76	104.70 8.12 -28.90	104.70 10.65 -5.25	105.70 10.40 -6.36	110.58 10.72 -6.59	105.09 9.52 -12.02	102.94 6.35 -39.84	101.53 5.21 -45.74	101.27 4.23 -54.33	97.87 4.13 -56.52	97.71 3.63 -57.77
NORTHPORT___3 23553	85.37 3.37 -45.36	61.47 2.79 -22.49	53.91 2.67 -17.50	49.13 2.44 -15.01	44.95 2.36 -11.50	48.90 2.56 -12.62	44.88 2.83 -5.81	50.03 3.20 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	98.33 5.67 -44.18	100.04 5.97 -41.25	101.40 6.79 -33.47	103.68 8.02 -27.12	106.90 7.98 -31.23	105.64 10.47 -6.37	106.12 10.40 -6.77	110.66 10.54 -6.85	104.83 9.27 -12.01	103.27 6.69 -39.83	100.54 5.71 -44.25	101.43 4.70 -54.02	97.23 3.50 -56.51	97.09 3.01 -57.76
NORTHPORT___4 23650	85.37 3.37 -45.36	61.47 2.79 -22.49	53.91 2.67 -17.50	49.13 2.44 -15.01	44.95 2.36 -11.50	48.90 2.56 -12.62	44.88 2.83 -5.81	50.03 3.20 -10.52	66.50 3.80 -23.17	84.84 4.37 -35.39	98.33 5.67 -44.18	100.04 5.97 -41.25	101.40 6.79 -33.47	103.68 8.02 -27.12	106.90 7.98 -31.23	105.64 10.47 -6.37	106.12 10.40 -6.77	110.66 10.54 -6.85	104.83 9.27 -12.01	103.27 6.69 -39.83	100.54 5.71 -44.25	101.43 4.70 -54.02	97.23 3.50 -56.51	97.09 3.01 -57.76
NORTHPORT___IC 23718	85.95 3.96 -45.36	62.26 3.58 -22.49	54.49 3.24 -17.50	49.64 2.95 -15.01	45.52 2.92 -11.50	49.47 3.14 -12.62	45.60 3.55 -5.81	50.79 3.96 -10.52	67.25 4.55 -23.17	85.56 5.09 -35.39	97.71 5.04 -44.19	99.52 5.44 -41.25	101.04 6.42 -33.48	101.98 7.68 -25.76	104.70 8.12 -28.90	104.70 10.66 -5.25	105.70 10.41 -6.36	110.58 10.73 -6.59	105.09 9.52 -12.02	102.94 6.36 -39.84	101.58 5.26 -45.74	101.27 4.23 -54.33	97.67 4.09 -56.36	97.64 3.63 -57.69
NORTH___COUNTRY_ESR 323785	35.06 -1.57 0.00	35.03 -1.16 0.00	32.74 -1.01 0.00	30.67 -1.02 0.00	30.10 -1.00 0.00	32.71 -1.01 0.00	35.19 -1.05 0.00	35.26 -1.05 0.00	38.15 -1.38 0.00	43.00 -2.07 0.00	45.14 -2.71 0.62	48.90 -3.07 0.86	56.55 -3.73 0.86	61.52 -4.39 2.64	61.45 -4.20 2.04	79.86 -5.68 3.25	80.09 -5.60 3.25	84.13 -5.59 3.55	77.67 -5.01 0.86	52.40 -3.07 1.28	47.27 -2.48 0.83	41.05 -1.54 0.12	36.14 -1.08 0.00	35.23 -1.09 0.00
NPX_GEN_1385_PROXY 323591	73.80 2.89 -34.27	61.61 2.93 -22.49	53.78 2.53 -17.50	49.07 2.38 -15.01	45.11 2.52 -11.50	49.00 2.66 -12.62	45.46 3.41 -5.81	50.64 3.81 -10.52	66.50 3.80 -23.17	69.00 3.79 -20.14	70.85 3.64 -18.73	87.70 3.91 -30.96	97.49 4.71 -31.64	103.83 8.22 -27.06	138.18 10.09 -60.41	154.00 13.23 -51.97	186.30 12.45 -84.91	216.95 13.24 -110.44	207.90 11.95 -112.41	156.40 8.05 -91.60	132.60 6.73 -75.30	99.54 4.40 -52.43	80.81 3.09 -40.50	67.00 2.58 -28.11
NPX_GEN_CSC 323557	86.32 4.32 -45.36	62.33 3.65 -22.49	54.65 3.41 -17.50	49.77 3.07 -15.01	45.58 2.99 -11.50	49.57 3.24 -12.62	45.64 3.59 -5.81	51.01 4.17 -10.52	67.65 4.94 -23.17	85.96 5.50 -35.39	104.10 6.11 -49.50	127.06 6.71 -67.52	125.82 7.89 -56.79	155.29 9.32 -77.42	201.27 9.81 -123.77	249.17 13.06 -147.31	255.49 12.62 -153.92	300.00 12.88 -193.85	253.04 11.78 -157.71	238.68 8.05 -173.88	214.39 6.93 -156.89	144.72 5.42 -96.59	97.51 4.58 -55.72	98.12 4.03 -57.77
NSINS_S_GLNS_FALLS 23858	42.41 2.75 -3.03	38.91 2.71 0.00	36.15 2.40 0.00	33.87 2.19 0.00	33.21 2.11 0.00	36.11 2.39 0.00	42.06 2.83 -2.99	42.71 2.91 -3.49	52.43 3.44 -9.45	49.00 3.92 0.00	52.26 3.78 0.00	57.00 4.17 0.00	70.37 4.95 -4.28	86.11 4.66 -12.91	143.11 4.40 -71.02	167.20 5.95 -72.45	181.45 6.05 -86.46	208.65 7.18 -108.20	208.32 7.02 -117.76	162.37 4.65 -100.97	123.39 4.65 -68.17	79.74 3.63 -33.40	63.17 2.79 -23.16	49.06 2.58 -10.17
NUCOR_STEEL___DRP 24197	38.17 0.40 -1.13	37.37 0.07 -1.10	34.79 -0.03 -1.07	32.29 0.06 -0.54	31.62 0.06 -0.46	34.68 0.00 -0.97	37.53 0.11 -1.18	37.68 0.25 -1.12	41.45 0.32 -1.60	47.62 0.45 -2.09	51.19 0.48 -2.22	56.82 0.63 -3.36	65.44 0.79 -3.51	72.96 0.82 -3.59	75.30 0.74 -6.87	98.89 0.98 -9.12	99.56 0.98 -9.64	103.71 1.12 -9.32	88.93 1.09 -4.30	58.38 0.57 -1.07	51.99 0.66 -0.75	45.76 0.43 -2.62	39.73 0.30 -2.21	38.24 0.33 -1.60
NUMBER_THREE_WT_PWR 323818	36.99 -0.11 -0.46	36.50 -0.18 -0.49	33.99 -0.23 -0.48	31.71 -0.22 -0.24	31.11 -0.19 -0.21	33.98 -0.17 -0.43	36.80 0.07 -0.48	36.87 0.11 -0.45	40.28 0.04 -0.71	46.05 0.05 -0.93	47.51 -0.15 0.83	51.54 -0.26 1.03	59.81 -0.36 0.96	63.50 -1.10 3.95	63.00 -1.22 3.47	81.27 -1.60 5.94	81.56 -1.51 5.87	84.84 -1.31 7.12	81.77 -0.92 0.85	52.85 -0.51 3.39	48.19 -0.30 2.08	42.86 -0.30 -0.45	37.45 -0.44 -0.67	36.81 -0.07 -0.57
NYISO_LBMP_REFERENCE 24008	36.64 0.00 0.00	36.19 0.00 0.00	33.75 0.00 0.00	31.69 0.00 0.00	31.09 0.00 0.00	33.72 0.00 0.00	36.24 0.00 0.00	36.31 0.00 0.00	39.54 0.00 0.00	45.08 0.00 0.00	48.48 0.00 0.00	52.83 0.00 0.00	61.14 0.00 0.00	68.54 0.00 0.00	67.69 0.00 0.00	88.80 0.00 0.00	88.94 0.00 0.00	93.27 0.00 0.00	83.54 0.00 0.00	56.75 0.00 0.00	50.58 0.00 0.00	42.71 0.00 0.00	37.22 0.00 0.00	36.31 0.00 0.00
NYPA_BRENTWD____GT 24164	86.61 4.62 -45.36	62.70 4.02 -22.49	54.99 3.75 -17.50	50.12 3.42 -15.01	45.92 3.33 -11.50	49.95 3.61 -12.62	46.07 4.02 -5.81	51.30 4.47 -10.52	67.88 5.18 -23.17	86.37 5.90 -35.39	99.83 6.11 -45.24	107.97 6.71 -48.44	109.45 7.94 -40.36	120.59 9.39 -42.65	157.82 9.34 -80.79	183.01 12.26 -81.95	229.19 12.19 -128.06	254.33 12.50 -148.55	175.60 11.11 -80.94	140.29 7.49 -76.06	169.94 6.48 -112.89	147.55 5.34 -99.50	98.46 4.73 -56.52	98.25 4.17 -57.77

NYPA_GOWANUS____GT5 24156	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.83 9.36 -37.93	92.59 6.30 -29.54	74.55 4.90 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NYPA_GOWANUS____GT6 24157	78.51 3.77 -38.10	39.44 3.19 -0.06	36.86 3.10 -0.01	34.58 2.88 -0.01	33.84 2.74 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.50 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.67 -10.46	80.74 7.81 -4.39	117.35 8.39 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.83 9.36 -37.93	92.59 6.30 -29.54	74.55 4.90 -19.07	74.39 4.06 -27.62	74.33 3.69 -33.43	47.14 3.08 -7.74
NYPA_HARLEM__RVR__GT1 24160	42.56 3.63 -2.29	39.31 3.11 -0.01	36.83 3.07 -0.01	34.55 2.85 -0.01	33.84 2.74 -0.01	36.58 2.86 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.38 3.76 -2.09	48.99 3.92 0.01	53.13 4.65 0.01	58.26 5.44 0.01	68.58 6.36 -1.08	80.34 7.41 -4.39	117.09 8.19 -41.22	138.86 10.74 -39.32	148.42 10.40 -49.07	169.03 10.44 -65.31	130.59 9.11 -37.94	92.43 6.13 -29.55	70.86 4.75 -15.53	69.32 3.93 -22.68	58.36 3.50 -17.64	47.03 2.98 -7.74
NYPA_HARLEM__RVR__GT2 24161	42.56 3.63 -2.29	39.31 3.11 -0.01	36.83 3.07 -0.01	34.55 2.85 -0.01	33.84 2.74 -0.01	36.58 2.86 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.38 3.76 -2.09	48.99 3.92 0.01	53.13 4.65 0.01	58.26 5.44 0.01	68.58 6.36 -1.08	80.34 7.41 -4.39	117.09 8.19 -41.22	138.86 10.74 -39.32	148.42 10.40 -49.07	169.03 10.44 -65.31	130.59 9.11 -37.94	92.43 6.13 -29.55	70.86 4.75 -15.53	69.32 3.93 -22.68	58.36 3.50 -17.64	47.03 2.98 -7.74
NYPA_KENT____GT 24152	63.09 3.66 -22.79	39.34 3.11 -0.03	36.79 3.04 0.00	34.48 2.79 0.00	33.77 2.67 0.00	36.62 2.90 0.00	41.58 3.08 -2.26	42.43 3.49 -2.63	45.65 3.99 -2.12	49.36 4.28 0.00	67.37 4.95 -13.94	69.15 5.49 -10.83	74.07 6.48 -6.45	80.54 7.61 -4.39	117.19 8.25 -41.25	138.88 10.74 -39.35	148.33 10.31 -49.07	168.93 10.35 -65.31	130.66 9.19 -37.93	92.42 6.13 -29.54	70.88 4.81 -15.50	71.23 3.93 -24.59	60.98 3.57 -20.19	47.03 2.98 -7.74
NYPA_POUCH1____GT 24155	78.40 3.66 -38.10	39.32 3.07 -0.06	36.76 3.00 -0.01	34.48 2.79 -0.01	33.77 2.67 -0.01	36.66 2.93 -0.01	41.59 3.08 -2.27	42.40 3.45 -2.63	45.63 3.95 -2.14	49.31 4.24 0.00	77.79 4.95 -24.36	77.72 5.49 -19.40	78.08 6.48 -10.46	80.54 7.61 -4.39	117.21 8.25 -41.27	138.91 10.74 -39.37	148.42 10.40 -49.07	169.03 10.44 -65.31	130.74 9.27 -37.93	92.48 6.19 -29.54	74.45 4.81 -19.07	74.30 3.97 -27.62	74.22 3.57 -33.43	47.07 3.01 -7.74
NYPA_VERNON____GT2 24162	47.67 3.55 -7.48	39.20 3.00 -0.01	36.69 2.93 0.00	34.41 2.73 0.00	33.71 2.61 0.00	36.55 2.83 0.00	41.48 2.97 -2.26	42.36 3.41 -2.63	45.51 3.88 -2.10	49.27 4.19 0.00	56.86 4.85 -3.53	60.47 5.39 -2.25	69.88 6.30 -2.44	80.34 7.41 -4.39	117.03 8.12 -41.22	138.68 10.56 -39.32	148.24 10.22 -49.07	168.84 10.26 -65.31	130.50 9.03 -37.93	92.30 6.01 -29.54	67.22 4.70 -11.94	68.16 3.89 -21.56	56.86 3.46 -16.18	46.96 2.91 -7.74
NYPA_VERNON____GT3 24163	47.67 3.55 -7.48	39.20 3.00 -0.01	36.69 2.93 0.00	34.41 2.73 0.00	33.71 2.61 0.00	36.55 2.83 0.00	41.48 2.97 -2.26	42.36 3.41 -2.63	45.51 3.88 -2.10	49.27 4.19 0.00	56.86 4.85 -3.53	60.47 5.39 -2.25	69.88 6.30 -2.44	80.34 7.41 -4.39	117.03 8.12 -41.22	138.68 10.56 -39.32	148.24 10.22 -49.07	168.84 10.26 -65.31	130.50 9.03 -37.93	92.30 6.01 -29.54	67.22 4.70 -11.94	68.16 3.89 -21.56	56.86 3.46 -16.18	46.96 2.91 -7.74
NYPA____ASTORIA_CC1 323568	42.40 3.48 -2.28	39.12 2.93 0.00	36.65 2.90 0.00	34.38 2.69 0.00	33.67 2.58 0.00	36.48 2.77 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.13 7.20 -4.39	116.82 7.92 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.57 9.98 -65.31	130.24 8.77 -37.93	92.14 5.85 -29.54	64.93 4.60 -9.75	66.54 3.76 -20.07	54.79 3.35 -14.22	46.89 2.83 -7.74
NYPA____ASTORIA_CC2 323569	42.40 3.48 -2.28	39.12 2.93 0.00	36.65 2.90 0.00	34.38 2.69 0.00	33.67 2.58 0.00	36.48 2.77 0.00	41.40 2.90 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	49.13 4.06 0.01	53.18 4.70 0.01	57.26 5.23 0.79	68.33 6.11 -1.08	80.13 7.20 -4.39	116.82 7.92 -41.21	138.41 10.30 -39.31	147.98 9.96 -49.07	168.57 9.98 -65.31	130.24 8.77 -37.93	92.14 5.85 -29.54	64.93 4.60 -9.75	66.54 3.76 -20.07	54.79 3.35 -14.22	46.89 2.83 -7.74
NYPA____HOLTSVILL 23794	86.35 4.36 -45.36	62.41 3.73 -22.49	54.72 3.48 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.01 4.17 -10.52	67.61 4.90 -23.17	86.01 5.54 -35.39	103.90 6.01 -49.40	126.41 6.50 -67.09	126.94 7.58 -58.22	154.49 8.98 -76.96	197.19 9.27 -120.23	246.66 12.17 -145.70	254.15 11.92 -153.29	298.28 12.22 -192.79	250.45 10.94 -155.96	234.13 7.43 -169.95	211.04 6.27 -154.19	145.69 5.12 -97.86	98.28 4.54 -56.52	98.12 4.03 -57.77
NYPA____HELLGATE_GT1 24158	42.56 3.63 -2.29	39.31 3.11 -0.01	36.83 3.07 -0.01	34.55 2.85 -0.01	33.84 2.74 -0.01	36.58 2.86 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.38 3.76 -2.09	48.99 3.92 0.01	53.13 4.65 0.01	58.26 5.44 0.01	68.58 6.36 -1.08	80.34 7.41 -4.39	117.09 8.19 -41.21	138.86 10.74 -39.32	148.42 10.40 -49.07	169.02 10.44 -65.31	130.59 9.11 -37.94	92.43 6.13 -29.55	70.86 4.75 -15.53	69.32 3.93 -22.68	58.36 3.50 -17.64	47.00 2.94 -7.74
NYPA____HELLGATE_GT2 24159	42.56 3.63 -2.29	39.31 3.11 -0.01	36.83 3.07 -0.01	34.55 2.85 -0.01	33.84 2.74 -0.01	36.58 2.86 0.00	41.40 2.90 -2.26	42.29 3.34 -2.63	45.38 3.76 -2.09	48.99 3.92 0.01	53.13 4.65 0.01	58.26 5.44 0.01	68.58 6.36 -1.08	80.34 7.41 -4.39	117.09 8.19 -41.21	138.86 10.74 -39.32	148.42 10.40 -49.07	169.02 10.44 -65.31	130.59 9.11 -37.94	92.43 6.13 -29.55	70.86 4.75 -15.53	69.32 3.93 -22.68	58.36 3.50 -17.64	47.00 2.94 -7.74
NYS_BARGE____HYD 23848	35.78 -1.17 -0.32	34.38 -1.81 0.00	31.45 -2.30 0.00	29.75 -1.93 0.00	29.29 -1.80 0.00	31.49 -2.23 0.00	34.02 -2.54 -0.31	34.06 -2.62 -0.37	37.34 -2.49 -0.30	42.35 -2.70 0.02	45.27 -2.91 0.31	49.87 -2.96 0.00	56.97 -3.55 0.62	65.48 -3.29 -0.22	68.47 -3.86 -4.64	88.10 -4.88 -4.18	89.48 -4.89 -5.43	95.71 -5.13 -7.57	81.39 -4.17 -2.02	55.33 -2.61 -1.19	48.35 -2.22 0.00	43.41 -2.13 -2.84	37.79 -1.75 -2.32	35.99 -1.34 -1.02
OAK ORCHARD____HYD 24046	36.79 -0.11 -0.26	35.47 -0.72 0.00	32.67 -1.08 0.00	30.80 -0.89 0.00	30.22 -0.87 0.00	32.67 -1.05 0.00	35.52 -0.98 -0.25	35.74 -0.87 -0.30	38.67 -0.87 0.00	44.20 -0.86 0.02	47.47 -0.68 0.33	52.25 -0.58 0.00	59.67 -0.80 0.68	68.17 -0.55 -0.18	70.57 -0.88 -3.76	91.39 -0.80 -3.39	92.45 -0.89 -4.40	98.48 -0.93 -6.14	84.43 -0.75 -1.64	57.32 -0.39 -0.97	50.12 -0.46 0.00	44.54 -0.47 -2.30	38.74 -0.37 -1.89	36.93 -0.22 -0.83

OAKDALE___35_KV_LOAD 356122	38.08 0.40 -1.04	36.71 0.07 -0.45	34.22 0.03 -0.43	32.00 0.10 -0.22	31.37 0.09 -0.19	34.17 0.07 -0.39	37.33 0.04 -1.05	37.51 0.07 -1.13	41.19 0.28 -1.38	46.37 0.45 -0.84	49.73 0.39 -0.85	55.16 0.79 -1.54	63.53 0.98 -1.41	71.83 1.17 -2.12	80.33 1.15 -11.49	101.98 1.42 -11.76	104.85 1.69 -14.22	112.99 1.77 -17.95	94.79 1.67 -9.57	64.44 0.96 -6.73	55.50 1.06 -3.87	49.60 0.64 -6.25	42.64 0.37 -5.05	39.24 0.44 -2.49
OCC_CHEM___DRP 24175	35.28 -1.69 -0.32	33.23 -2.97 0.00	30.88 -2.87 0.00	29.34 -2.34 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.42 -3.27 -0.38	36.48 -3.36 -0.30	41.31 -3.74 0.02	44.30 -3.88 0.31	48.86 -3.96 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.52 -4.94 -4.77	86.36 -6.75 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	53.94 -4.03 -1.23	47.59 -2.98 0.00	43.11 -2.52 -2.92	37.15 -2.46 -2.39	35.40 -1.96 -1.05
OH_GEN_PROXY 24063	35.57 -1.39 -0.32	34.24 -1.96 0.00	31.32 -2.43 0.00	29.63 -2.06 0.00	29.10 -1.99 0.00	31.32 -2.39 0.00	33.92 -2.64 -0.32	33.85 -2.83 -0.37	37.07 -2.77 -0.30	42.04 -3.02 0.02	44.97 -3.20 0.31	49.60 -3.22 0.00	54.88 -3.79 2.47	64.70 -3.57 0.28	70.69 -4.06 -7.07	88.00 -5.06 -4.26	89.40 -5.07 -5.52	95.66 -5.31 -7.71	81.17 -4.43 -2.05	56.92 -2.78 -2.95	49.12 -2.43 -0.97	41.43 -2.26 -0.99	36.87 -1.90 -1.55	35.83 -1.52 -1.04
OLIN_CORP_DRP 24177	35.43 -1.54 -0.33	33.62 -2.57 0.00	31.22 -2.53 0.00	29.72 -1.96 0.00	29.07 -2.02 0.00	31.22 -2.49 0.00	33.71 -2.86 -0.33	33.72 -2.98 -0.38	36.88 -2.97 -0.31	41.77 -3.29 0.02	44.74 -3.44 0.30	49.34 -3.49 0.00	56.31 -4.22 0.62	64.73 -4.04 -0.23	68.31 -4.20 -4.82	87.29 -5.86 -4.35	88.71 -5.87 -5.64	94.99 -6.16 -7.87	80.55 -5.10 -2.10	54.47 -3.52 -1.24	48.10 -2.48 0.00	43.53 -2.14 -2.95	37.51 -2.12 -2.42	35.70 -1.67 -1.06
OLIN_CORP_DSASP 323712	35.28 -1.68 -0.32	33.88 -2.32 0.00	30.95 -2.80 0.00	29.37 -2.31 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.35 -3.34 -0.38	36.48 -3.36 -0.30	41.36 -3.70 0.02	44.30 -3.88 0.31	48.81 -4.02 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.11 -5.35 -4.77	86.27 -6.84 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	54.22 -3.75 -1.23	47.29 -3.29 0.00	42.64 -2.99 -2.92	37.11 -2.49 -2.39	35.40 -1.96 -1.05
ONEIDA_HERK_LFGE 323681	37.68 0.77 -0.27	37.11 0.65 -0.27	34.55 0.54 -0.26	32.32 0.51 -0.13	31.73 0.53 -0.11	34.52 0.57 -0.23	37.36 0.83 -0.29	37.49 0.91 -0.27	40.91 0.99 -0.39	46.80 1.22 -0.51	49.41 1.21 0.29	53.76 1.27 0.33	62.25 1.41 0.29	67.96 1.03 1.61	67.54 0.88 1.03	87.87 1.15 2.08	88.14 1.15 1.96	92.25 1.40 2.42	84.87 1.42 0.10	56.28 0.96 1.43	50.62 0.96 0.92	43.91 0.73 -0.48	38.20 0.45 -0.53	37.46 0.76 -0.38
ONEIDA___115KV_TB4 55905	38.41 1.36 -0.41	37.68 1.12 -0.37	35.09 0.98 -0.36	32.82 0.95 -0.18	32.18 0.93 -0.15	35.05 1.01 -0.32	37.94 1.27 -0.43	38.11 1.38 -0.41	41.65 1.58 -0.53	47.70 1.94 -0.69	50.82 1.99 -0.35	55.71 2.22 -0.67	64.28 2.57 -0.58	71.08 2.26 -0.28	71.66 2.17 -1.81	93.52 2.84 -1.88	94.00 2.85 -2.21	98.67 3.17 -2.22	87.79 3.01 -1.23	58.53 1.93 0.15	52.27 1.87 0.17	45.32 1.45 -1.16	39.27 1.04 -1.01	38.27 1.31 -0.65
ONONDAGA_REF_OCCRA 23987	37.31 -0.18 -0.85	36.59 -0.43 -0.83	34.09 -0.47 -0.81	31.68 -0.41 -0.41	31.04 -0.40 -0.35	33.97 -0.47 -0.73	36.73 -0.40 -0.89	36.90 -0.25 -0.84	40.54 -0.20 -1.20	46.51 -0.14 -1.57	49.93 -0.05 -1.50	55.30 0.05 -2.42	63.57 0.12 -2.31	71.11 0.07 -2.49	72.76 0.07 -5.01	95.44 0.09 -6.55	95.99 0.09 -6.96	100.10 0.09 -6.74	86.79 0.08 -3.16	57.32 -0.11 -0.69	51.00 -0.05 -0.48	44.58 -0.13 -2.00	38.70 -0.19 -1.67	37.34 -0.18 -1.20
ONONDAGA___COGEN 23986	37.94 0.11 -1.19	37.25 -0.18 -1.23	34.72 -0.24 -1.20	32.10 -0.19 -0.61	31.42 -0.19 -0.52	34.56 -0.24 -1.08	37.34 -0.14 -1.24	37.44 -0.04 -1.16	41.32 0.00 -1.79	47.51 0.09 -2.34	51.15 0.19 -2.48	56.80 0.26 -3.71	65.38 0.37 -3.87	72.79 0.34 -3.90	74.51 0.27 -6.56	98.28 0.36 -9.13	98.82 0.44 -9.43	102.25 0.37 -8.61	88.19 0.33 -4.31	57.76 0.11 -0.91	51.55 0.15 -0.82	45.03 0.04 -2.28	39.08 -0.04 -1.90	37.85 0.00 -1.53
ONTARIO___LFGE 23819	37.59 0.33 -0.62	36.46 -0.14 -0.41	33.75 -0.40 -0.40	31.70 -0.19 -0.20	31.11 -0.15 -0.17	33.77 -0.30 -0.36	36.70 -0.18 -0.64	37.03 0.07 -0.65	40.33 0.20 -0.59	46.16 0.32 -0.76	49.49 0.34 -0.66	54.69 0.53 -1.33	62.84 0.74 -0.97	71.00 0.83 -1.63	73.91 0.61 -5.62	95.43 0.36 -6.28	96.45 0.27 -7.24	102.21 0.47 -8.47	87.14 0.67 -2.93	58.49 0.51 -1.24	51.38 0.45 -0.35	45.55 0.09 -2.76	39.70 0.19 -2.29	37.81 0.26 -1.24
ORANGEVILLE_WT_PWR 323706	36.22 -0.81 -0.39	34.96 -1.23 0.00	32.13 -1.62 0.00	30.36 -1.33 0.00	29.82 -1.28 0.00	32.17 -1.55 0.00	34.79 -1.85 -0.39	35.03 -1.74 -0.45	38.53 -1.38 -0.38	43.66 -1.40 0.02	46.53 -1.70 0.26	51.24 -1.58 0.00	58.73 -1.90 0.52	67.25 -1.57 -0.28	71.40 -2.03 -5.74	91.40 -2.58 -5.18	92.99 -2.67 -6.72	99.93 -2.71 -9.37	86.16 -2.09 -4.71	59.13 -1.30 -3.68	51.62 -0.86 -1.91	45.03 -1.20 -3.51	39.10 -1.00 -2.88	36.82 -0.76 -1.27
ORANGEVILLE___ESR 323794	36.22 -0.81 -0.39	34.96 -1.23 0.00	32.13 -1.62 0.00	30.36 -1.33 0.00	29.82 -1.28 0.00	32.17 -1.55 0.00	34.79 -1.85 -0.39	35.03 -1.74 -0.45	38.53 -1.38 -0.38	43.66 -1.40 0.02	46.53 -1.70 0.26	51.24 -1.58 0.00	58.73 -1.90 0.52	67.25 -1.57 -0.28	71.40 -2.03 -5.74	91.40 -2.58 -5.18	92.99 -2.67 -6.72	99.93 -2.71 -9.37	86.16 -2.09 -4.71	59.13 -1.30 -3.68	51.62 -0.86 -1.91	45.03 -1.20 -3.51	39.10 -1.00 -2.88	36.82 -0.76 -1.27
OSWEGATCHIE___HYD 24044	35.22 -1.79 -0.38	34.97 -1.63 -0.41	32.63 -1.52 -0.40	30.46 -1.43 -0.20	29.87 -1.40 -0.17	32.63 -1.45 -0.36	35.26 -1.38 -0.40	35.37 -1.31 -0.37	38.43 -1.70 -0.59	43.74 -2.12 -0.78	42.59 -2.47 3.42	45.45 -2.75 4.63	53.32 -3.24 4.57	52.59 -4.32 11.64	51.47 -4.26 11.96	63.73 -5.77 19.30	63.88 -5.78 19.28	65.80 -5.78 21.69	73.91 -5.10 4.53	45.10 -3.18 8.47	42.51 -2.68 5.38	40.34 -2.13 0.24	35.79 -1.94 -0.51	35.17 -1.60 -0.45
OSWEGO___5 23606	40.25 -0.66 -4.27	40.53 -0.83 -5.17	37.94 -0.84 -5.04	33.44 -0.79 -2.55	32.52 -0.75 -2.17	37.40 -0.84 -4.53	39.92 -0.83 -4.51	39.57 -0.80 -4.05	46.22 -0.79 -7.47	54.09 -0.86 -9.87	59.58 -0.87 -11.97	68.19 -0.90 -16.26	79.00 -1.04 -18.90	84.91 -1.17 -17.54	85.56 -1.22 -19.09	119.18 -1.60 -31.98	117.85 -1.60 -30.51	114.27 -1.68 -22.67	96.44 -1.42 -14.31	58.15 -1.02 -2.43	53.92 -0.91 -4.25	45.22 -0.85 -3.37	39.20 -0.74 -2.72	39.72 -0.69 -4.10
OSWEGO___6 23613	40.25 -0.66 -4.27	40.53 -0.83 -5.17	37.94 -0.84 -5.04	33.44 -0.79 -2.55	32.52 -0.75 -2.17	37.40 -0.84 -4.53	39.92 -0.83 -4.51	39.57 -0.80 -4.05	46.22 -0.79 -7.47	54.09 -0.86 -9.87	59.58 -0.87 -11.97	68.19 -0.90 -16.26	79.00 -1.04 -18.90	84.91 -1.17 -17.54	85.56 -1.22 -19.09	119.18 -1.60 -31.98	117.85 -1.60 -30.51	114.27 -1.68 -22.67	96.44 -1.42 -14.31	58.15 -1.02 -2.43	53.92 -0.91 -4.25	45.22 -0.85 -3.37	39.20 -0.74 -2.72	39.72 -0.69 -4.10

OUTOKUMPU-AB___DRP 24206	36.13 -0.84 -0.33	34.17 -2.03 0.00	31.73 -2.03 0.00	30.16 -1.52 0.00	29.54 -1.55 0.00	31.73 -1.99 0.00	34.29 -2.28 -0.33	34.41 -2.29 -0.38	37.71 -2.13 -0.31	42.80 -2.25 0.02	45.61 -2.57 0.30	50.29 -2.54 0.00	57.47 -3.06 0.61	65.97 -2.81 -0.23	69.64 -2.91 -4.87	88.93 -4.26 -4.39	90.37 -4.27 -5.69	96.64 -4.57 -7.94	81.98 -3.68 -2.12	55.33 -2.67 -1.25	48.96 -1.62 0.00	44.32 -1.37 -2.98	38.21 -1.45 -2.44	36.30 -1.09 -1.07
OXBOW___BTM 323836	35.68 -1.28 -0.33	34.27 -1.92 0.00	31.32 -2.43 0.00	29.69 -2.00 0.00	29.07 -2.02 0.00	31.26 -2.46 0.00	33.81 -2.76 -0.33	33.82 -2.87 -0.38	37.08 -2.77 -0.31	42.04 -3.02 0.02	44.93 -3.25 0.30	49.50 -3.33 0.00	56.61 -3.91 0.61	64.87 -3.90 -0.23	67.97 -4.53 -4.82	87.38 -5.77 -4.35	88.80 -5.78 -5.64	95.08 -6.06 -7.87	80.54 -5.10 -2.10	54.75 -3.23 -1.24	47.94 -2.63 0.00	43.23 -2.43 -2.95	37.62 -2.01 -2.41	35.85 -1.52 -1.06
OXBOW___ 24026	35.65 -1.32 -0.33	33.66 -2.53 0.00	31.29 -2.46 0.00	29.72 -1.96 0.00	29.07 -2.02 0.00	31.25 -2.46 0.00	33.81 -2.75 -0.33	33.90 -2.80 -0.38	37.08 -2.77 -0.31	42.04 -3.02 0.02	44.93 -3.25 0.31	49.55 -3.28 0.00	56.61 -3.91 0.62	64.87 -3.91 -0.23	68.44 -4.06 -4.82	87.38 -5.77 -4.35	88.80 -5.78 -5.64	95.08 -6.06 -7.87	80.54 -5.10 -2.10	54.47 -3.52 -1.24	48.25 -2.33 0.00	43.69 -1.96 -2.95	37.66 -1.97 -2.42	35.85 -1.53 -1.06
OXY_CHEM_DSASP 323612	35.28 -1.69 -0.32	33.23 -2.97 0.00	30.88 -2.87 0.00	29.34 -2.34 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.42 -3.27 -0.38	36.48 -3.36 -0.30	41.31 -3.74 0.02	44.30 -3.88 0.31	48.86 -3.96 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.52 -4.94 -4.77	86.36 -6.75 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	53.94 -4.03 -1.23	47.59 -2.98 0.00	43.11 -2.52 -2.92	37.15 -2.46 -2.39	35.40 -1.96 -1.05
OZONE_PARK_ESR 323760	42.84 3.92 -2.28	39.67 3.47 0.00	36.92 3.17 0.00	34.60 2.92 0.00	33.89 2.80 0.00	36.75 3.03 0.00	41.84 3.33 -2.26	42.69 3.74 -2.63	45.89 4.27 -2.09	49.99 4.91 0.00	54.01 5.53 0.00	59.01 6.18 0.00	69.50 7.28 -1.09	81.64 8.71 -4.39	118.17 9.27 -41.21	140.19 12.08 -39.31	149.93 11.92 -49.07	170.61 12.03 -65.31	132.17 10.69 -37.93	93.44 7.15 -29.54	71.83 5.71 -15.54	70.04 4.66 -22.67	58.68 3.98 -17.47	47.36 3.38 -7.67
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	35.28 -1.69 -0.32	33.23 -2.97 0.00	30.88 -2.87 0.00	29.34 -2.34 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.42 -3.27 -0.38	36.48 -3.36 -0.30	41.31 -3.74 0.02	44.30 -3.88 0.31	48.86 -3.96 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.52 -4.94 -4.77	86.36 -6.75 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	53.94 -4.03 -1.23	47.59 -2.98 0.00	43.11 -2.52 -2.92	37.15 -2.46 -2.39	35.40 -1.96 -1.05
PACKARD__115KV_DUPONT_184 80571	35.28 -1.69 -0.32	33.23 -2.97 0.00	30.88 -2.87 0.00	29.34 -2.34 0.00	28.70 -2.39 0.00	30.85 -2.87 0.00	33.45 -3.12 -0.32	33.42 -3.27 -0.38	36.48 -3.36 -0.30	41.31 -3.74 0.02	44.30 -3.88 0.31	48.86 -3.96 0.00	55.75 -4.77 0.62	64.11 -4.66 -0.23	67.52 -4.94 -4.77	86.36 -6.75 -4.31	87.68 -6.85 -5.58	93.88 -7.18 -7.79	79.60 -6.02 -2.08	53.94 -4.03 -1.23	47.59 -2.98 0.00	43.11 -2.52 -2.92	37.15 -2.46 -2.39	35.40 -1.96 -1.05
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	42.52 3.59 -2.29	39.42 3.22 -0.01	36.76 3.00 -0.01	34.45 2.76 -0.01	33.77 2.67 -0.01	36.51 2.80 0.00	41.36 2.86 -2.26	42.22 3.27 -2.63	45.30 3.68 -2.09	48.95 3.88 0.01	53.03 4.56 0.01	58.15 5.34 0.01	68.45 6.24 -1.08	80.20 7.27 -4.39	117.02 8.12 -41.21	138.60 10.48 -39.32	148.16 10.14 -49.07	168.75 10.17 -65.31	130.42 8.94 -37.94	92.26 5.96 -29.55	70.81 4.70 -15.53	69.23 3.84 -22.68	58.05 3.35 -17.48	46.85 2.87 -7.67
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	43.11 4.18 -2.29	39.97 3.76 -0.01	37.27 3.51 -0.01	34.93 3.23 -0.01	34.24 3.14 -0.01	37.02 3.30 0.00	41.87 3.37 -2.26	42.69 3.74 -2.63	45.81 4.19 -2.09	49.53 4.46 0.01	53.66 5.19 0.01	58.84 6.02 0.01	69.25 7.03 -1.08	81.09 8.16 -4.39	117.97 9.07 -41.21	139.93 11.81 -39.32	149.40 11.38 -49.07	170.15 11.57 -65.31	131.67 10.19 -37.94	93.16 6.87 -29.55	71.57 5.46 -15.53	69.87 4.48 -22.68	58.65 3.95 -17.48	47.40 3.41 -7.67
PATROON__115KV_TB1 80586	41.31 1.72 -2.95	37.79 1.59 0.00	35.17 1.42 0.00	32.98 1.30 0.00	32.34 1.24 0.00	35.10 1.38 0.00	40.72 1.56 -2.92	41.31 1.60 -3.40	48.24 1.86 -6.84	47.24 2.16 0.00	50.81 2.33 0.00	55.20 2.38 0.00	63.89 2.75 0.00	73.86 3.15 -2.16	115.94 3.11 -45.15	133.62 4.08 -40.74	145.94 4.18 -52.82	171.43 4.48 -73.69	154.50 3.93 -67.02	118.35 2.61 -59.00	93.76 2.23 -40.96	72.13 1.79 -27.63	61.36 1.56 -22.58	47.68 1.45 -9.91
PATTRSNVILLE___SOLAR 323815	41.88 2.12 -3.12	38.18 1.99 0.00	35.57 1.82 0.00	33.36 1.68 0.00	32.74 1.65 0.00	35.54 1.82 0.00	41.57 2.21 -3.12	42.09 2.14 -3.64	51.62 2.41 -9.67	47.74 2.66 0.00	51.24 2.76 0.00	55.89 3.06 0.00	66.56 3.30 -2.12	79.76 3.63 -7.58	131.05 3.45 -59.92	151.72 4.70 -58.22	165.42 4.71 -71.77	192.65 5.41 -93.97	193.61 5.01 -105.05	152.54 3.46 -92.33	118.55 3.14 -64.84	76.97 2.52 -31.74	63.12 2.05 -23.86	48.68 1.89 -10.48
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	35.72 -1.28 -0.36	34.38 -1.81 0.00	31.93 -1.82 0.00	30.32 -1.36 0.00	29.69 -1.40 0.00	31.96 -1.75 0.00	34.07 -2.54 -0.36	34.34 -2.40 -0.42	38.30 -1.58 -0.35	43.43 -1.62 0.02	45.73 -2.47 0.28	50.45 -2.38 0.00	57.88 -2.69 0.57	66.54 -2.26 -0.26	70.86 -2.17 -5.34	90.42 -3.20 -4.82	92.17 -3.02 -6.25	98.72 -3.26 -8.72	85.23 -2.67 -4.36	57.94 -2.21 -3.41	51.68 -0.66 -1.76	44.44 -1.54 -3.27	38.29 -1.60 -2.67	36.14 -1.34 -1.17
PAWLING_115_KV_BK3_REV_LBMP_H 345028	42.58 3.63 -2.32	39.34 3.15 0.00	36.62 2.87 0.00	34.32 2.63 0.00	33.70 2.61 0.00	36.48 2.76 0.00	41.61 3.08 -2.29	42.33 3.34 -2.67	45.70 4.03 -2.13	49.72 4.64 0.00	53.62 5.14 0.00	58.64 5.81 0.00	69.16 7.03 -0.99	81.55 8.84 -4.17	117.86 9.00 -41.17	139.69 11.81 -39.08	149.62 11.74 -48.94	170.90 12.22 -65.41	132.15 10.86 -37.75	93.47 7.26 -29.47	72.25 6.12 -15.55	70.49 4.91 -22.87	58.92 3.98 -17.72	47.40 3.30 -7.78
PEEKSKILL___ 23653	41.93 3.04 -2.25	38.69 2.50 0.00	36.18 2.43 0.00	33.94 2.25 0.00	33.27 2.18 0.00	36.04 2.32 0.00	41.04 2.57 -2.23	41.75 2.83 -2.60	44.95 3.36 -2.06	48.95 3.88 0.00	52.80 4.31 0.00	57.68 4.86 0.00	68.01 5.81 -1.06	79.90 7.06 -4.29	115.65 7.38 -40.58	137.25 9.77 -38.69	146.87 9.61 -48.31	167.39 9.79 -64.33	129.55 8.69 -37.32	91.55 5.73 -29.07	70.52 4.65 -15.29	68.86 3.80 -22.35	57.90 3.24 -17.44	46.66 2.69 -7.66
PGE MADISON___WINDPWR 24146	41.02 3.33 -1.04	39.64 2.97 -0.48	36.78 2.56 -0.47	34.39 2.47 -0.24	33.81 2.52 -0.20	36.87 2.73 -0.42	40.65 3.33 -1.07	40.90 3.45 -1.14	44.89 3.76 -1.59	50.49 4.51 -0.90	53.89 4.46 -0.95	60.16 5.49 -1.84	69.03 6.11 -1.77	76.28 5.35 -2.39	83.18 4.94 -10.55	106.83 6.84 -11.19	109.16 6.94 -13.27	117.37 7.84 -16.26	99.88 7.60 -8.73	67.75 5.11 -5.90	58.91 4.86 -3.48	51.94 3.71 -5.52	44.44 2.75 -4.47	42.13 3.52 -2.29

PIERCEFIELD___HYD 23852	34.27 -2.53 -0.16	34.34 -2.06 -0.21	32.06 -1.89 -0.20	29.98 -1.81 -0.10	29.41 -1.77 -0.09	32.08 -1.82 -0.18	34.53 -1.88 -0.17	34.62 -1.85 -0.16	37.38 -2.45 -0.30	42.36 -3.11 -0.39	39.06 -3.54 5.89	40.74 -4.01 8.07	48.39 -4.71 8.05	44.15 -5.83 18.56	41.70 -5.96 20.03	49.32 -7.73 31.75	49.34 -7.74 31.87	50.10 -7.93 35.24	68.17 -7.18 8.19	39.47 -4.37 12.91	38.47 -3.84 8.26	38.50 -3.03 1.18	34.90 -2.38 -0.07	34.28 -2.18 -0.15
PINELAWN_CC_1 323563	85.74 3.74 -45.36	61.94 3.26 -22.49	54.39 3.14 -17.50	49.55 2.85 -15.01	45.36 2.77 -11.50	49.34 3.00 -12.62	45.38 3.33 -5.81	50.57 3.74 -10.52	67.01 4.31 -23.17	85.38 4.91 -35.39	98.43 5.48 -44.47	103.86 6.07 -44.96	105.26 7.09 -37.03	121.08 8.22 -44.31	163.53 8.60 -87.24	176.76 11.28 -76.69	226.10 11.30 -125.86	246.75 11.56 -141.91	160.78 10.27 -66.96	122.22 6.92 -58.56	120.26 5.66 -64.02	111.28 4.78 -63.78	97.87 4.13 -56.52	97.64 3.56 -57.77
PJM_GEN_HTTP_PROXY 323702	42.29 3.37 -2.28	39.02 2.82 0.00	36.45 2.70 0.00	34.19 2.50 0.00	33.52 2.43 0.00	36.35 2.63 0.00	41.40 2.90 -2.26	42.22 3.27 -2.63	45.38 3.76 -2.09	49.40 4.33 0.00	53.33 4.85 0.00	58.27 5.44 0.00	66.80 6.42 0.76	80.17 7.74 -3.88	119.43 8.19 -43.56	138.76 10.65 -39.31	148.50 10.49 -49.07	169.12 10.54 -65.31	130.91 9.44 -37.93	94.27 6.24 -31.28	72.04 4.96 -16.51	67.49 4.01 -20.77	57.50 3.46 -16.82	46.96 2.91 -7.74
PJM_GEN_KEystone 24065	38.86 0.84 -1.38	35.84 0.40 0.75	32.71 0.20 1.24	31.97 0.28 0.00	31.34 0.25 0.00	33.00 0.20 0.92	35.50 0.11 0.85	37.42 0.26 -0.85	41.35 0.71 -1.10	45.76 0.90 0.22	48.76 0.97 0.69	53.30 1.27 0.79	59.97 1.65 2.82	71.73 2.40 -0.78	95.46 2.51 -25.26	113.69 3.46 -21.43	119.39 3.47 -26.98	132.85 3.45 -36.13	107.26 3.09 -20.62	76.46 1.99 -17.73	60.95 1.57 -8.81	54.23 0.98 -10.54	47.22 0.78 -9.22	41.33 0.62 -4.40
PJM_GEN_NEPTUNE_PROXY 323594	65.68 3.59 -25.45	51.33 3.04 -12.09	46.06 2.90 -9.41	42.45 2.69 -8.07	39.86 2.58 -6.19	43.34 2.83 -6.79	43.53 3.12 -4.17	46.60 3.41 -6.87	56.95 3.99 -13.42	68.66 4.55 -19.03	77.21 5.09 -23.64	81.79 5.66 -23.31	85.55 6.67 -17.75	89.64 8.02 -13.08	128.29 8.46 -52.14	154.74 11.10 -54.85	217.40 10.94 -117.52	238.57 11.19 -134.11	153.84 9.85 -60.44	110.60 6.58 -47.28	91.85 5.31 -35.97	85.93 4.36 -38.86	78.71 3.76 -37.73	74.16 3.20 -34.65
PJM_GEN_VFT_PROXY 323633	42.15 3.22 -2.28	38.87 2.68 0.00	36.35 2.60 0.00	34.09 2.41 0.00	33.39 2.30 0.00	36.21 2.49 0.00	41.22 2.72 -2.26	42.03 3.08 -2.63	42.72 3.52 0.33	46.09 4.01 3.00	44.92 4.56 8.12	46.63 5.12 11.32	47.93 6.00 19.21	63.85 7.26 11.96	100.55 9.87 -25.08	116.72 10.12 -17.80	122.34 9.87 -23.53	134.30 10.94 -31.14	110.76 8.77 -18.45	77.44 5.85 -14.84	55.02 4.60 0.16	51.93 3.71 -5.51	48.53 3.24 -8.07	42.77 2.65 -3.81
PLATSBURG_115KV_PMLD1 355749	35.54 -1.10 0.00	35.51 -0.69 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.14 -0.57 0.00	35.70 -0.54 0.00	35.84 -0.47 0.00	38.75 -0.79 0.00	43.23 -1.85 0.00	45.57 -2.91 0.00	49.50 -3.33 0.00	57.17 -3.97 0.00	62.93 -4.80 0.81	62.68 -5.01 0.00	82.49 -6.30 0.00	82.72 -6.23 0.00	87.02 -6.25 0.00	77.95 -5.60 0.00	53.57 -3.18 0.00	47.79 -2.78 0.00	41.04 -1.67 0.00	36.73 -0.48 0.00	35.73 -0.58 0.00
PLEASANTVLY___LBMP 24000	41.80 2.75 -2.41	38.62 2.42 0.00	35.98 2.23 0.00	33.75 2.06 0.00	33.08 1.99 0.00	35.87 2.16 0.00	41.02 2.39 -2.38	41.67 2.58 -2.78	44.79 3.04 -2.21	48.55 3.47 0.00	52.36 3.88 0.00	57.11 4.28 0.00	67.48 5.07 -1.26	79.57 6.10 -4.92	118.22 7.78 -44.18	139.39 8.26 -42.33	149.80 8.18 -52.68	171.49 8.39 -69.82	131.94 7.44 -40.96	93.56 4.94 -31.88	71.48 4.15 -16.76	70.15 3.37 -24.06	58.52 2.87 -18.44	46.88 2.47 -8.10
PLSNTVLE_13_KV_13.8KVDIST 80602	42.13 3.19 -2.31	38.98 2.79 0.00	36.32 2.57 0.00	34.03 2.34 0.00	33.36 2.27 0.00	36.21 2.49 0.00	41.24 2.72 -2.28	41.99 3.01 -2.66	45.16 3.52 -2.11	49.13 4.06 0.00	53.04 4.56 0.00	57.95 5.12 0.00	68.29 6.05 -1.10	80.38 7.40 -4.44	117.17 7.85 -41.63	138.72 10.21 -39.71	148.65 10.14 -49.57	169.59 10.35 -65.96	130.96 9.11 -38.31	92.65 6.07 -29.84	71.22 4.96 -15.69	69.62 4.01 -22.89	58.25 3.39 -17.64	46.93 2.87 -7.75
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	42.13 3.19 -2.31	38.98 2.79 0.00	36.32 2.57 0.00	34.03 2.34 0.00	33.36 2.27 0.00	36.21 2.49 0.00	41.24 2.72 -2.28	41.99 3.01 -2.66	45.16 3.52 -2.11	49.13 4.06 0.00	53.04 4.56 0.00	57.95 5.12 0.00	68.29 6.05 -1.10	80.38 7.40 -4.44	117.17 7.85 -41.63	138.72 10.21 -39.71	148.65 10.14 -49.57	169.59 10.35 -65.96	130.96 9.11 -38.31	92.65 6.07 -29.84	71.22 4.96 -15.69	69.62 4.01 -22.89	58.25 3.39 -17.64	46.93 2.87 -7.75
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	42.14 3.15 -2.35	38.94 2.75 0.00	36.28 2.53 0.00	34.03 2.34 0.00	33.36 2.27 0.00	36.18 2.46 0.00	41.29 2.72 -2.32	41.97 2.94 -2.71	45.20 3.44 -2.22	49.04 3.97 0.00	52.89 4.41 0.00	57.69 4.86 0.00	67.97 5.81 -1.02	79.75 6.92 -4.28	116.64 7.11 -41.85	137.89 9.32 -39.77	148.05 9.34 -49.77	169.34 9.61 -66.46	130.89 8.52 -38.83	92.70 5.56 -30.39	71.51 4.75 -16.18	69.77 3.84 -23.21	58.33 3.13 -17.98	47.00 2.80 -7.89
POLETTI_____ 23519	42.29 3.37 -2.28	39.16 2.97 0.00	36.48 2.73 0.00	34.19 2.50 0.00	33.52 2.43 0.00	36.35 2.63 0.00	41.36 2.86 -2.26	42.18 3.23 -2.63	45.34 3.72 -2.09	49.31 4.24 0.00	53.28 4.80 0.00	58.16 5.34 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	168.93 10.35 -65.31	130.75 9.27 -37.93	92.36 6.07 -29.54	70.97 4.86 -15.54	69.31 3.93 -22.67	58.04 3.35 -17.47	46.85 2.87 -7.67
POMONA___ESR 323819	41.75 2.93 -2.18	38.58 2.39 0.00	36.08 2.33 0.00	33.84 2.16 0.00	33.18 2.08 0.00	35.94 2.22 0.00	40.83 2.43 -2.15	41.55 2.72 -2.51	44.77 3.24 -1.99	48.86 3.79 0.00	52.75 4.27 0.00	57.63 4.81 0.00	67.86 5.75 -0.97	79.49 6.92 -4.03	113.89 7.25 -38.96	135.45 9.59 -37.06	144.81 9.52 -46.34	164.71 9.61 -61.83	127.68 8.43 -35.70	90.08 5.50 -27.83	69.67 4.45 -14.64	67.85 3.59 -21.55	57.22 3.05 -16.94	46.33 2.58 -7.44
PORT_JEFF_3 23555	86.39 4.39 -45.36	62.44 3.76 -22.49	54.76 3.51 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.04 4.21 -10.52	67.65 4.94 -23.17	86.10 5.63 -35.39	104.18 6.06 -49.64	127.32 6.39 -68.11	127.73 7.39 -59.19	156.18 8.57 -79.07	199.20 8.73 -122.78	249.63 11.46 -149.37	254.98 11.30 -154.74	300.09 11.56 -195.26	253.89 10.27 -160.07	238.88 7.03 -175.10	214.32 5.81 -157.94	146.68 4.91 -99.06	98.32 4.58 -56.53	98.15 4.07 -57.77
PORT_JEFF_4 23616	86.39 4.39 -45.36	62.44 3.76 -22.49	54.76 3.51 -17.50	49.89 3.20 -15.01	45.70 3.11 -11.50	49.71 3.37 -12.62	45.78 3.73 -5.81	51.04 4.21 -10.52	67.65 4.94 -23.17	86.10 5.63 -35.39	104.18 6.06 -49.64	127.32 6.39 -68.11	127.73 7.39 -59.19	156.18 8.57 -79.07	199.20 8.73 -122.78	249.63 11.46 -149.37	254.98 11.30 -154.74	300.09 11.56 -195.26	253.89 10.27 -160.07	238.88 7.03 -175.10	214.32 5.81 -157.94	146.68 4.91 -99.06	98.32 4.58 -56.53	98.15 4.07 -57.77

PORT_JEFF_IC 23713	86.50 4.51 -45.36	62.66 3.98 -22.49	54.82 3.58 -17.50	49.92 3.23 -15.01	45.76 3.17 -11.50	49.78 3.44 -12.62	45.86 3.81 -5.81	51.12 4.29 -10.52	67.76 5.06 -23.17	86.19 5.72 -35.39	105.29 6.30 -50.51	131.32 6.60 -71.89	131.48 7.52 -62.82	164.08 8.77 -86.76	208.78 9.07 -132.03	263.52 11.81 -162.91	260.68 11.65 -160.08	309.51 11.85 -204.39	269.47 10.61 -175.31	258.12 7.21 -194.17	228.01 6.07 -171.36	150.84 5.00 -103.14	98.24 4.65 -56.37	98.20 4.18 -57.71
PPL PILGRIM_ST_GT1 24216	86.61 4.62 -45.36	62.70 4.02 -22.49	54.99 3.75 -17.50	50.12 3.42 -15.01	45.92 3.33 -11.50	49.95 3.61 -12.62	46.07 4.02 -5.81	51.30 4.47 -10.52	67.88 5.18 -23.17	86.37 5.90 -35.39	99.83 6.11 -45.24	107.97 6.71 -48.44	109.45 7.94 -40.36	120.59 9.39 -42.65	157.82 9.34 -80.79	183.01 12.26 -81.95	229.19 12.19 -128.06	254.33 12.50 -148.55	175.60 11.11 -80.94	140.29 7.49 -76.06	169.94 6.48 -112.89	147.55 5.34 -99.50	98.46 4.73 -56.52	98.25 4.17 -57.77
PPL PILGRIM_ST_GT2 24217	86.61 4.62 -45.36	62.70 4.02 -22.49	54.99 3.75 -17.50	50.12 3.42 -15.01	45.92 3.33 -11.50	49.95 3.61 -12.62	46.07 4.02 -5.81	51.30 4.47 -10.52	67.88 5.18 -23.17	86.37 5.90 -35.39	99.83 6.11 -45.24	107.97 6.71 -48.44	109.45 7.94 -40.36	120.59 9.39 -42.65	157.82 9.34 -80.79	183.01 12.26 -81.95	229.19 12.19 -128.06	254.33 12.50 -148.55	175.60 11.11 -80.94	140.29 7.49 -76.06	169.94 6.48 -112.89	147.55 5.34 -99.50	98.46 4.73 -56.52	98.25 4.17 -57.77
PPL_SHRM_GT3 24213	86.39 4.39 -45.36	62.41 3.73 -22.49	54.69 3.44 -17.50	49.83 3.14 -15.01	45.61 3.02 -11.50	49.64 3.31 -12.62	45.67 3.62 -5.81	51.04 4.21 -10.52	67.69 4.98 -23.17	86.01 5.54 -35.39	104.35 6.11 -49.76	128.22 6.76 -68.63	128.78 7.94 -59.70	158.25 9.46 -80.25	201.82 9.88 -124.25	253.38 13.23 -151.34	257.27 12.81 -155.51	302.88 13.06 -196.55	257.68 11.95 -162.19	242.67 8.17 -177.75	217.56 7.03 -159.96	147.99 5.51 -99.77	98.40 4.65 -56.53	98.19 4.10 -57.78
PPL_SHRM_GT4 24214	86.39 4.39 -45.36	62.41 3.73 -22.49	54.69 3.44 -17.50	49.83 3.14 -15.01	45.61 3.02 -11.50	49.64 3.31 -12.62	45.67 3.62 -5.81	51.04 4.21 -10.52	67.69 4.98 -23.17	86.01 5.54 -35.39	104.35 6.11 -49.76	128.22 6.76 -68.63	128.78 7.94 -59.70	158.25 9.46 -80.25	201.82 9.88 -124.25	253.38 13.23 -151.34	257.27 12.81 -155.51	302.88 13.06 -196.55	257.68 11.95 -162.19	242.67 8.17 -177.75	217.56 7.03 -159.96	147.99 5.51 -99.77	98.40 4.65 -56.53	98.19 4.10 -57.78
PROJECT___ORANGE 1 24174	37.24 -0.11 -0.72	36.43 -0.43 -0.67	33.97 -0.44 -0.65	31.64 -0.38 -0.33	31.00 -0.37 -0.28	33.90 -0.40 -0.59	36.66 -0.33 -0.74	36.81 -0.22 -0.71	40.35 -0.16 -0.97	46.25 -0.09 -1.27	49.60 0.00 -1.11	54.78 0.05 -1.90	62.96 0.12 -1.70	70.58 0.14 -1.90	72.03 0.07 -4.27	94.29 0.09 -5.40	94.86 0.09 -5.83	99.07 0.00 -5.80	86.20 0.00 -2.66	57.14 -0.17 -0.56	50.85 -0.05 -0.32	44.42 -0.13 -1.84	38.57 -0.19 -1.54	37.19 -0.18 -1.06
PROJECT___ORANGE 2 24166	37.24 -0.11 -0.72	36.43 -0.43 -0.67	33.97 -0.44 -0.65	31.64 -0.38 -0.33	31.00 -0.37 -0.28	33.90 -0.40 -0.59	36.66 -0.33 -0.74	36.81 -0.22 -0.71	40.35 -0.16 -0.97	46.25 -0.09 -1.27	49.60 0.00 -1.11	54.78 0.05 -1.90	62.96 0.12 -1.70	70.58 0.14 -1.90	72.03 0.07 -4.27	94.29 0.09 -5.40	94.86 0.09 -5.83	99.07 0.00 -5.80	86.20 0.00 -2.66	57.14 -0.17 -0.56	50.85 -0.05 -0.32	44.42 -0.13 -1.84	38.57 -0.19 -1.54	37.19 -0.18 -1.06
PUCKETT___SOLAR 323809	38.83 1.14 -1.05	37.50 0.87 -0.44	34.85 0.67 -0.43	32.60 0.70 -0.22	31.96 0.68 -0.18	34.84 0.74 -0.39	38.18 0.87 -1.07	38.33 0.87 -1.15	42.07 1.07 -1.47	47.26 1.35 -0.83	50.60 1.26 -0.86	56.28 1.85 -1.61	64.73 2.08 -1.51	72.73 1.99 -2.19	81.01 1.83 -11.50	103.29 2.66 -11.83	106.13 2.93 -14.26	114.46 3.26 -17.92	96.37 3.25 -9.57	65.53 2.10 -6.69	56.46 2.03 -3.86	50.33 1.41 -6.21	43.29 1.04 -5.03	40.04 1.24 -2.49
PYRITES___HYD 24023	35.03 -1.76 -0.15	35.08 -1.30 -0.19	32.75 -1.18 -0.18	30.67 -1.11 -0.09	30.11 -1.06 -0.08	32.80 -1.08 -0.17	35.42 -0.98 -0.16	35.48 -0.98 -0.14	38.27 -1.54 -0.27	43.36 -2.07 -0.36	39.70 -2.47 6.31	41.31 -2.85 8.66	49.14 -3.36 8.63	44.17 -4.59 19.78	41.66 -4.67 21.35	48.81 -6.13 33.86	48.65 -6.31 33.98	49.42 -6.34 37.50	69.10 -5.68 8.77	39.75 -3.29 13.71	38.96 -2.83 8.79	39.22 -2.22 1.27	35.57 -1.71 -0.06	35.03 -1.42 -0.13
QUAKERRD_115KV_BK1 80622	36.11 -0.77 -0.25	34.60 -1.59 0.00	32.20 -1.55 0.00	30.39 -1.30 0.00	29.79 -1.31 0.00	32.20 -1.52 0.00	35.04 -1.45 -0.24	35.25 -1.34 -0.28	38.11 -1.42 0.00	43.57 -1.49 0.02	46.79 -1.36 0.33	51.45 -1.37 0.00	58.82 -1.65 0.67	67.07 -1.65 -0.17	69.59 -1.69 -3.59	89.82 -2.22 -3.24	90.83 -2.31 -4.20	96.81 -2.33 -5.87	83.02 -2.09 -1.56	56.14 -1.53 -0.92	49.41 -1.16 0.00	43.93 -0.98 -2.20	38.03 -1.00 -1.81	36.20 -0.91 -0.80
QUENSBRY_115KV_TB8 356137	42.42 2.75 -3.03	38.91 2.71 0.00	36.11 2.36 0.00	33.87 2.19 0.00	33.21 2.11 0.00	36.11 2.39 0.00	42.10 2.86 -2.99	42.75 2.94 -3.49	52.50 3.48 -9.49	49.09 4.01 0.00	52.31 3.83 0.00	57.11 4.28 0.00	70.38 5.07 -4.16	85.83 4.66 -12.63	142.49 4.40 -70.40	166.42 5.95 -71.68	180.64 6.05 -85.65	207.94 7.28 -107.39	207.82 7.10 -117.17	162.06 4.71 -100.60	123.35 4.70 -68.07	79.71 3.72 -33.29	63.22 2.83 -23.17	49.07 2.58 -10.17
RAMAPO___LBMP 323565	41.55 2.75 -2.17	38.55 2.35 0.00	35.91 2.16 0.00	33.68 2.00 0.00	33.05 1.96 0.00	35.81 2.09 0.00	40.67 2.28 -2.15	41.36 2.54 -2.50	44.56 3.04 -1.98	48.59 3.52 0.00	52.46 3.98 0.00	57.32 4.49 0.00	67.42 5.32 -0.96	79.05 6.51 -4.00	113.27 6.84 -38.75	134.62 8.97 -36.85	143.93 8.89 -46.10	163.83 9.05 -61.51	126.98 7.94 -35.50	89.58 5.16 -27.67	69.33 4.20 -14.56	67.54 3.37 -21.45	56.68 2.87 -16.60	46.03 2.43 -7.29
RANKINE____ 23646	36.19 -0.81 -0.35	34.49 -1.70 0.00	32.03 -1.72 0.00	30.42 -1.27 0.00	29.79 -1.31 0.00	32.03 -1.69 0.00	34.53 -2.07 -0.35	34.73 -2.00 -0.41	38.25 -1.62 -0.34	43.39 -1.67 0.02	46.16 -2.04 0.29	50.92 -1.90 0.00	58.30 -2.26 0.58	66.94 -1.85 -0.25	71.06 -1.83 -5.21	90.74 -2.75 -4.70	92.28 -2.76 -6.09	98.78 -2.98 -8.50	83.47 -2.34 -2.26	56.27 -1.82 -1.34	49.77 -0.81 0.00	44.83 -1.07 -3.19	38.64 -1.19 -2.61	36.59 -0.87 -1.14
RAVENSWOOD_GT2_1 24244	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.36 4.28 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.47 7.54 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	168.93 10.35 -65.31	130.66 9.19 -37.93	92.36 6.07 -29.54	70.97 4.86 -15.54	69.35 3.97 -22.67	58.12 3.42 -17.47	46.89 2.91 -7.67
RAVENSWOOD_GT2_2 24245	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.36 4.28 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.47 7.54 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	168.93 10.35 -65.31	130.66 9.19 -37.93	92.36 6.07 -29.54	70.97 4.86 -15.54	69.35 3.97 -22.67	58.12 3.42 -17.47	46.89 2.91 -7.67

RAVENSWOOD_GT2_3 24246	42.40 3.48 -2.28	39.27 3.08 0.00	36.55 2.80 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.47 2.97 -2.26	42.29 3.34 -2.63	45.46 3.84 -2.09	49.40 4.33 0.00	53.38 4.90 0.00	58.27 5.44 0.00	68.58 6.36 -1.09	80.54 7.61 -4.39	117.09 8.19 -41.21	138.77 10.66 -39.31	148.42 10.41 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	71.02 4.91 -15.54	69.40 4.01 -22.67	58.12 3.42 -17.47	46.93 2.94 -7.67
RAVENSWOOD_GT2_4 24247	42.40 3.48 -2.28	39.27 3.08 0.00	36.55 2.80 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.47 2.97 -2.26	42.29 3.34 -2.63	45.46 3.84 -2.09	49.40 4.33 0.00	53.38 4.90 0.00	58.27 5.44 0.00	68.58 6.36 -1.09	80.54 7.61 -4.39	117.09 8.19 -41.21	138.77 10.66 -39.31	148.42 10.41 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	71.02 4.91 -15.54	69.40 4.01 -22.67	58.12 3.42 -17.47	46.93 2.94 -7.67
RAVENSWOOD_GT3_1 24248	42.37 3.44 -2.28	39.23 3.04 0.00	36.55 2.80 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.36 4.28 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	169.03 10.45 -65.31	130.66 9.19 -37.93	92.42 6.13 -29.54	71.02 4.91 -15.54	69.35 3.97 -22.67	58.12 3.42 -17.47	46.89 2.91 -7.67
RAVENSWOOD_GT3_2 24249	42.37 3.44 -2.28	39.23 3.04 0.00	36.55 2.80 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.36 4.28 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	169.03 10.45 -65.31	130.66 9.19 -37.93	92.42 6.13 -29.54	71.02 4.91 -15.54	69.35 3.97 -22.67	58.12 3.42 -17.47	46.89 2.91 -7.67
RAVENSWOOD_GT3_3 24250	42.44 3.52 -2.28	39.31 3.11 0.00	36.59 2.84 0.00	34.32 2.63 0.00	33.61 2.52 0.00	36.48 2.76 0.00	41.51 3.01 -2.26	42.33 3.38 -2.63	45.50 3.87 -2.09	49.49 4.42 0.00	53.48 4.99 0.00	58.37 5.55 0.00	68.71 6.48 -1.09	80.68 7.75 -4.39	117.23 8.33 -41.21	138.94 10.83 -39.31	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	71.12 5.01 -15.54	69.44 4.06 -22.67	58.19 3.50 -17.47	47.00 3.01 -7.67
RAVENSWOOD_GT3_4 24251	42.44 3.52 -2.28	39.31 3.11 0.00	36.59 2.84 0.00	34.32 2.63 0.00	33.61 2.52 0.00	36.48 2.76 0.00	41.51 3.01 -2.26	42.33 3.38 -2.63	45.50 3.87 -2.09	49.49 4.42 0.00	53.48 4.99 0.00	58.37 5.55 0.00	68.71 6.48 -1.09	80.68 7.75 -4.39	117.23 8.33 -41.21	138.94 10.83 -39.31	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	71.12 5.01 -15.54	69.44 4.06 -22.67	58.19 3.50 -17.47	47.00 3.01 -7.67
RAVENSWOOD_GT_1 23729	47.67 3.55 -7.48	39.35 3.15 -0.01	36.69 2.94 0.00	34.38 2.69 0.00	33.71 2.61 0.00	36.55 2.83 0.00	41.47 2.97 -2.26	42.36 3.41 -2.63	45.51 3.87 -2.10	49.27 4.19 0.00	56.86 4.85 -3.53	60.47 5.39 -2.25	69.88 6.30 -2.44	80.33 7.40 -4.39	117.03 8.12 -41.22	138.69 10.57 -39.32	148.24 10.23 -49.07	168.84 10.26 -65.31	130.50 9.02 -37.93	92.25 5.96 -29.54	67.27 4.75 -11.94	68.16 3.89 -21.56	56.63 3.39 -16.02	46.93 2.94 -7.67
RAVENSWOOD_GT_10 24258	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.40 4.33 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	70.76 4.91 -15.28	69.35 3.97 -22.67	58.12 3.42 -17.47	46.93 2.94 -7.67
RAVENSWOOD_GT_11 24259	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.40 4.33 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	70.76 4.91 -15.28	69.35 3.97 -22.67	58.12 3.42 -17.47	46.93 2.94 -7.67
RAVENSWOOD_GT_4 24252	46.32 3.44 -6.24	39.24 3.04 -0.01	36.52 2.77 0.00	34.22 2.53 0.00	33.55 2.46 0.00	36.38 2.66 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.43 3.80 -2.09	49.45 4.37 0.00	56.06 4.90 -2.69	59.98 5.44 -1.72	69.62 6.36 -2.12	80.61 7.68 -4.39	117.10 8.19 -41.22	138.77 10.66 -39.32	148.42 10.41 -49.07	169.12 10.54 -65.31	130.83 9.36 -37.93	92.47 6.19 -29.54	68.33 4.96 -12.79	68.55 4.01 -21.82	57.05 3.46 -16.37	46.93 2.94 -7.67
RAVENSWOOD_GT_5 24254	46.32 3.44 -6.24	39.24 3.04 -0.01	36.52 2.77 0.00	34.22 2.53 0.00	33.55 2.46 0.00	36.38 2.66 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.43 3.80 -2.09	49.45 4.37 0.00	56.06 4.90 -2.69	59.98 5.44 -1.72	69.62 6.36 -2.12	80.61 7.68 -4.39	117.10 8.19 -41.22	138.77 10.66 -39.32	148.42 10.41 -49.07	169.12 10.54 -65.31	130.83 9.36 -37.93	92.47 6.19 -29.54	68.33 4.96 -12.79	68.55 4.01 -21.82	57.05 3.46 -16.37	46.93 2.94 -7.67
RAVENSWOOD_GT_6 24253	46.32 3.44 -6.24	39.24 3.04 -0.01	36.52 2.77 0.00	34.22 2.53 0.00	33.55 2.46 0.00	36.38 2.66 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.43 3.80 -2.09	49.45 4.37 0.00	56.06 4.90 -2.69	59.98 5.44 -1.72	69.62 6.36 -2.12	80.61 7.68 -4.39	117.10 8.19 -41.22	138.77 10.66 -39.32	148.42 10.41 -49.07	169.12 10.54 -65.31	130.83 9.36 -37.93	92.47 6.19 -29.54	68.33 4.96 -12.79	68.55 4.01 -21.82	57.05 3.46 -16.37	46.93 2.94 -7.67
RAVENSWOOD_GT_7 24255	46.32 3.44 -6.24	39.24 3.04 -0.01	36.52 2.77 0.00	34.22 2.53 0.00	33.55 2.46 0.00	36.38 2.66 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.43 3.80 -2.09	49.45 4.37 0.00	56.06 4.90 -2.69	59.98 5.44 -1.72	69.62 6.36 -2.12	80.61 7.68 -4.39	117.10 8.19 -41.22	138.77 10.66 -39.32	148.42 10.41 -49.07	169.12 10.54 -65.31	130.83 9.36 -37.93	92.47 6.19 -29.54	68.33 4.96 -12.79	68.55 4.01 -21.82	57.05 3.46 -16.37	46.93 2.94 -7.67
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.40 4.33 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	70.76 4.91 -15.28	69.35 3.97 -22.67	58.12 3.42 -17.47	46.93 2.94 -7.67
RAVENSWOOD_GT_9 24257	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.94 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.40 4.33 0.00	53.33 4.85 0.00	58.21 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.68 10.57 -39.31	148.33 10.32 -49.07	169.03 10.45 -65.31	130.75 9.27 -37.93	92.42 6.13 -29.54	70.76 4.91 -15.28	69.35 3.97 -22.67	58.12 3.42 -17.47	46.93 2.94 -7.67

RAVENSWOOD___1 23533	42.47 3.55 -2.28	39.16 2.97 0.00	36.65 2.90 0.00	34.38 2.69 0.00	33.67 2.58 0.00	36.51 2.80 0.00	41.47 2.97 -2.26	42.33 3.38 -2.63	45.50 3.88 -2.09	49.22 4.14 0.00	53.28 4.80 0.01	57.37 5.33 0.79	68.46 6.24 -1.08	80.34 7.41 -4.39	116.95 8.05 -41.21	138.58 10.47 -39.31	148.15 10.14 -49.07	168.75 10.17 -65.31	130.42 8.94 -37.93	92.25 5.96 -29.54	65.05 4.70 -9.77	66.64 3.85 -20.09	54.88 3.42 -14.24	46.96 2.91 -7.74
RAVENSWOOD___2 23534	42.40 3.48 -2.28	39.09 2.90 0.00	36.59 2.84 0.00	34.31 2.63 0.00	33.61 2.52 0.00	36.45 2.73 0.00	41.36 2.86 -2.26	42.25 3.30 -2.63	45.38 3.76 -2.09	48.95 3.88 0.00	52.89 4.41 0.01	56.94 4.91 0.80	67.96 5.75 -1.08	79.72 6.79 -4.39	116.35 7.45 -41.21	137.70 9.59 -39.31	147.27 9.25 -49.07	167.82 9.24 -65.31	129.66 8.19 -37.93	91.74 5.45 -29.54	64.53 4.25 -9.71	66.21 3.46 -20.05	54.53 3.13 -14.19	46.81 2.76 -7.74
RAVENSWOOD___3 23535	42.36 3.44 -2.28	39.09 2.90 0.00	36.55 2.80 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.44 2.93 -2.26	42.25 3.30 -2.63	45.42 3.80 -2.09	49.36 4.28 0.00	53.33 4.85 0.00	58.22 5.39 0.00	68.52 6.30 -1.09	80.54 7.61 -4.39	117.02 8.12 -41.21	138.67 10.56 -39.31	148.33 10.31 -49.07	169.03 10.44 -65.31	130.66 9.19 -37.93	92.42 6.13 -29.54	70.97 4.86 -15.54	69.35 3.97 -22.67	58.35 3.50 -17.63	46.96 2.91 -7.74
RAVENSWOOD___4 23820	37.32 3.52 2.83	39.15 2.97 0.01	36.65 2.90 0.00	34.35 2.66 0.00	33.64 2.55 0.00	36.48 2.77 0.00	41.43 2.93 -2.26	42.29 3.34 -2.63	45.45 3.83 -2.08	49.22 4.14 0.00	49.75 4.75 3.49	54.31 5.28 3.80	67.11 6.24 0.26	80.27 7.34 -4.39	116.88 7.98 -41.21	138.49 10.38 -39.31	148.06 10.05 -49.07	168.66 10.08 -65.31	130.32 8.85 -37.93	92.19 5.90 -29.54	62.79 4.65 -7.57	65.10 3.80 -18.59	52.91 3.42 -12.27	46.92 2.87 -7.74
RCPL_TRUST___DRP 24196	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.51 3.01 -2.26	42.33 3.38 -2.63	45.50 3.87 -2.09	49.54 4.46 0.00	53.48 4.99 0.00	58.43 5.60 0.00	68.83 6.60 -1.09	80.88 7.95 -4.39	117.36 8.46 -41.21	139.12 11.01 -39.31	148.87 10.85 -49.07	169.49 10.91 -65.31	131.16 9.69 -37.93	92.64 6.36 -29.54	71.17 5.06 -15.54	69.48 4.10 -22.67	58.19 3.50 -17.47	46.96 2.98 -7.67
RED___ROCHESTER 323720	37.08 0.18 -0.26	35.69 -0.51 0.00	32.87 -0.88 0.00	30.99 -0.70 0.00	30.41 -0.68 0.00	32.87 -0.84 0.00	35.77 -0.72 -0.25	35.99 -0.62 -0.30	38.98 -0.55 0.00	44.60 -0.45 0.02	47.90 -0.24 0.34	52.72 -0.11 0.00	60.21 -0.24 0.69	68.79 0.07 -0.18	71.16 -0.27 -3.74	92.26 0.09 -3.38	93.23 -0.09 -4.38	99.38 0.00 -6.11	85.17 0.00 -1.63	57.76 0.06 -0.96	50.58 0.00 0.00	44.83 -0.17 -2.29	38.99 -0.11 -1.88	37.18 0.04 -0.83
REGAN___SOLAR 323812	45.02 5.06 -3.33	41.01 4.81 0.00	37.93 4.18 0.00	35.61 3.93 0.00	34.95 3.85 0.00	38.07 4.35 0.00	45.34 5.65 -3.45	45.97 5.63 -4.02	53.97 6.29 -8.14	52.11 7.03 0.00	55.61 7.13 0.00	60.70 7.87 0.00	71.90 8.99 -1.77	84.74 9.25 -6.94	139.29 8.73 -62.87	161.25 12.26 -60.19	176.17 12.28 -74.95	207.72 15.02 -99.42	192.77 13.95 -95.27	148.54 9.42 -82.37	114.82 8.40 -55.85	83.75 6.62 -34.42	68.52 4.95 -26.35	52.57 4.69 -11.57
RENSSELAER___COGEN 23796	41.06 1.50 -2.92	37.49 1.30 0.00	34.96 1.21 0.00	32.79 1.11 0.00	32.21 1.12 0.00	34.90 1.18 0.00	40.47 1.34 -2.89	41.02 1.34 -3.37	46.90 1.50 -5.86	46.79 1.71 0.00	50.32 1.84 0.00	54.62 1.80 0.00	44.85 2.01 18.30	27.35 2.40 43.59	8.91 2.37 61.15	1.02 3.19 90.97	6.22 3.20 85.92	29.98 3.45 66.75	8.38 3.00 78.17	9.28 2.04 49.50	37.29 1.72 15.00	49.78 1.41 -5.66	60.91 1.34 -22.36	47.36 1.24 -9.81
REPUBLIC_115KV_BARTNBK 55605	44.83 5.17 -3.03	41.15 4.96 0.00	38.14 4.39 0.00	35.71 4.02 0.00	35.01 3.92 0.00	38.20 4.48 0.00	44.49 5.26 -2.99	45.10 5.30 -3.49	55.23 6.25 -9.45	52.20 7.12 0.00	55.66 8.08 0.00	60.91 9.42 0.00	74.84 9.32 -4.28	90.78 9.32 -12.92	147.60 8.87 -71.05	172.91 11.63 -72.48	187.08 11.65 -86.49	215.49 13.99 -108.23	214.28 12.95 -117.78	166.41 8.68 -100.99	127.14 8.40 -68.17	82.73 6.62 -33.40	65.44 5.06 -23.16	51.20 4.72 -10.17
REVERE_CPPR_DRP 24186	38.62 1.61 -0.37	37.91 1.38 -0.34	35.30 1.22 -0.33	32.99 1.14 -0.17	32.39 1.15 -0.14	35.26 1.25 -0.30	38.23 1.59 -0.39	38.39 1.71 -0.37	41.92 1.90 -0.49	48.06 2.34 -0.64	50.99 2.38 -0.13	55.75 2.59 -0.34	64.34 2.93 -0.27	70.72 2.54 0.36	70.91 2.37 -0.85	92.44 3.11 -0.53	92.85 3.11 -0.80	97.46 3.54 -0.64	87.68 3.34 -0.79	58.36 2.21 0.60	52.26 2.12 0.44	45.32 1.67 -0.94	39.27 1.19 -0.86	38.44 1.56 -0.57
REYNOLDS_115KV_TB3 80639	41.36 1.80 -2.92	37.86 1.66 0.00	35.27 1.52 0.00	33.08 1.39 0.00	32.43 1.34 0.00	35.20 1.48 0.00	40.76 1.63 -2.89	41.36 1.67 -3.37	47.76 1.90 -6.33	47.29 2.21 0.00	50.81 2.33 0.00	55.26 2.43 0.00	77.22 2.81 -13.27	107.13 3.29 -35.29	192.32 3.25 -121.38	228.54 4.26 -135.48	245.74 4.36 -152.44	272.00 4.57 -174.15	250.93 4.09 -163.29	188.27 2.72 -128.80	127.01 2.38 -74.06	87.69 1.92 -43.06	61.25 1.67 -22.35	47.69 1.56 -9.81
RIVERBAY___ 323610	43.11 4.18 -2.29	39.97 3.76 -0.01	37.27 3.51 -0.01	34.93 3.23 -0.01	34.24 3.14 -0.01	37.02 3.30 0.00	41.87 3.37 -2.26	42.69 3.74 -2.63	45.81 4.19 -2.09	49.53 4.46 0.01	53.66 5.19 0.01	58.84 6.02 0.01	69.25 7.03 -1.08	81.09 8.16 -4.39	117.97 9.07 -41.21	139.93 11.81 -39.32	149.40 11.38 -49.07	170.15 11.57 -65.31	131.67 10.19 -37.94	93.16 6.87 -29.55	71.57 5.46 -15.53	69.87 4.48 -22.68	58.65 3.95 -17.48	47.40 3.41 -7.67
RIVERSIDE_115KV_TB3 55908	41.26 1.69 -2.93	37.75 1.56 0.00	35.17 1.42 0.00	32.95 1.27 0.00	32.34 1.24 0.00	35.10 1.38 0.00	40.66 1.52 -2.90	41.22 1.53 -3.38	47.66 1.74 -6.39	47.11 2.03 0.00	50.66 2.18 0.00	55.05 2.22 0.00	64.50 2.51 -0.85	75.77 2.95 -4.28	120.43 2.91 -49.83	139.34 3.91 -46.63	151.83 3.91 -58.97	177.26 4.20 -79.79	157.61 3.68 -70.39	119.88 2.44 -60.70	93.42 2.12 -40.72	72.91 1.71 -28.49	61.17 1.49 -22.46	47.59 1.42 -9.86
ROARING___BROOK_WT_PWR 323790	35.91 -0.73 0.00	35.61 -0.58 0.00	33.25 -0.51 0.00	31.21 -0.47 0.00	30.66 -0.44 0.00	33.28 -0.44 0.00	35.81 -0.43 0.00	35.88 -0.43 0.00	38.98 -0.55 0.00	44.35 -0.72 0.00	47.82 -0.82 -0.16	52.10 -0.95 -0.23	60.27 -1.10 -0.23	68.08 -1.30 -0.84	66.93 -1.29 -0.53	87.96 -1.69 -0.85	88.19 -1.60 -0.85	92.61 -1.59 -0.93	82.43 -1.34 -0.23	56.23 -0.85 -0.33	50.04 -0.76 -0.22	42.10 -0.64 -0.03	36.70 -0.52 0.00	35.81 -0.51 0.00
ROCHESRG_115KV_T4 355643	36.64 -0.26 -0.25	34.96 -1.23 0.00	32.54 -1.22 0.00	30.73 -0.95 0.00	30.13 -0.96 0.00	32.54 -1.18 0.00	35.37 -1.12 -0.25	35.59 -1.02 -0.29	38.47 -1.07 0.00	43.97 -1.08 0.02	47.21 -0.92 0.35	51.98 -0.85 0.00	59.34 -1.10 0.70	67.83 -0.89 -0.18	70.45 -0.95 -3.72	90.91 -1.24 -3.35	91.87 -1.42 -4.35	97.94 -1.40 -6.06	83.99 -1.17 -1.62	56.79 -0.91 -0.95	50.02 -0.56 0.00	44.56 -0.43 -2.27	38.53 -0.56 -1.87	36.73 -0.40 -0.82

ROCHESTER_9_IC 23652	36.86 -0.04 -0.26	35.18 -1.01 0.00	32.74 -1.01 0.00	30.89 -0.79 0.00	30.28 -0.81 0.00	32.70 -1.01 0.00	35.59 -0.91 -0.25	35.85 -0.76 -0.30	38.75 -0.79 0.00	44.29 -0.77 0.02	47.56 -0.58 0.34	52.40 -0.42 0.00	59.84 -0.61 0.69	68.31 -0.41 -0.18	70.95 -0.47 -3.74	91.64 -0.53 -3.38	92.61 -0.71 -4.38	98.72 -0.65 -6.11	84.59 -0.58 -1.63	57.20 -0.51 -0.96	50.42 -0.15 0.00	44.87 -0.13 -2.29	38.80 -0.30 -1.88	37.00 -0.15 -0.83
ROCKVIEW_13_KV_LD 356306	42.37 3.44 -2.28	39.20 3.00 0.00	36.52 2.77 0.00	34.22 2.53 0.00	33.55 2.46 0.00	36.38 2.66 0.00	41.47 2.97 -2.26	42.22 3.27 -2.63	45.46 3.84 -2.09	49.45 4.37 0.00	53.43 4.95 0.00	58.32 5.49 0.00	68.77 6.54 -1.09	80.95 8.02 -4.39	117.43 8.53 -41.22	139.21 11.10 -39.31	149.05 11.03 -49.08	169.78 11.19 -65.31	131.42 9.94 -37.93	92.87 6.58 -29.55	71.47 5.36 -15.54	69.70 4.31 -22.67	58.34 3.65 -17.48	47.04 3.05 -7.67
ROME____115KV_TB2 80656	38.62 1.61 -0.37	37.91 1.38 -0.34	35.30 1.22 -0.33	32.99 1.14 -0.17	32.39 1.15 -0.14	35.26 1.25 -0.30	38.23 1.59 -0.39	38.39 1.71 -0.37	41.92 1.90 -0.49	48.06 2.34 -0.64	50.99 2.38 -0.13	55.75 2.59 -0.34	64.34 2.93 -0.27	70.72 2.54 0.36	70.91 2.37 -0.85	92.44 3.11 -0.53	92.85 3.11 -0.80	97.46 3.54 -0.64	87.68 3.34 -0.79	58.36 2.21 0.60	52.26 2.12 0.44	45.32 1.67 -0.94	39.27 1.19 -0.86	38.44 1.56 -0.57
ROSETON____1 23587	41.52 2.60 -2.28	38.37 2.17 0.00	35.84 2.09 0.00	33.62 1.93 0.00	32.99 1.90 0.00	35.74 2.02 0.00	40.75 2.25 -2.26	41.42 2.47 -2.63	44.49 2.88 -2.07	48.41 3.34 0.00	52.17 3.68 0.00	56.95 4.12 0.00	66.99 4.89 -0.96	78.51 5.90 -4.07	114.19 6.02 -40.48	135.11 7.90 -38.41	144.98 7.91 -48.12	165.54 7.92 -64.34	127.48 7.10 -36.84	90.22 4.77 -28.71	69.59 3.95 -15.07	68.52 3.29 -22.52	57.44 2.75 -17.47	46.34 2.36 -7.67
ROSETON____2 23588	41.52 2.60 -2.28	38.37 2.17 0.00	35.84 2.09 0.00	33.62 1.93 0.00	32.99 1.90 0.00	35.74 2.02 0.00	40.75 2.25 -2.26	41.42 2.47 -2.63	44.49 2.88 -2.07	48.41 3.34 0.00	52.17 3.68 0.00	56.95 4.12 0.00	66.99 4.89 -0.96	78.51 5.90 -4.07	114.19 6.02 -40.48	135.11 7.90 -38.41	144.98 7.91 -48.12	165.54 7.92 -64.34	127.48 7.10 -36.84	90.22 4.77 -28.71	69.59 3.95 -15.07	68.52 3.29 -22.52	57.44 2.75 -17.47	46.34 2.36 -7.67
ROTTDAM_115KV_TB3 80664	41.50 1.80 -3.06	37.86 1.66 0.00	35.27 1.52 0.00	33.11 1.43 0.00	32.46 1.37 0.00	35.23 1.52 0.00	40.97 1.70 -3.03	41.55 1.71 -3.53	51.61 1.98 -10.10	47.33 2.25 0.00	50.81 2.33 0.00	55.41 2.59 0.00	66.36 3.00 -2.22	79.63 3.29 -7.79	130.62 3.25 -59.68	151.26 4.26 -58.20	164.87 4.36 -71.57	191.43 4.76 -93.41	194.83 4.34 -106.94	153.81 2.89 -94.17	119.66 2.68 -66.40	76.19 2.18 -31.30	62.44 1.79 -23.44	48.27 1.67 -10.29
RUSSELL____1 23602	37.08 0.18 -0.26	35.36 -0.83 0.00	32.87 -0.88 0.00	31.05 -0.63 0.00	30.44 -0.65 0.00	32.87 -0.84 0.00	35.77 -0.72 -0.25	36.03 -0.58 -0.30	38.98 -0.55 0.00	44.60 -0.45 0.02	47.90 -0.24 0.34	52.72 -0.11 0.00	60.21 -0.24 0.69	68.79 0.07 -0.18	71.43 0.00 -3.74	92.26 0.09 -3.38	93.23 -0.09 -4.38	99.38 0.00 -6.11	85.17 0.00 -1.63	57.59 -0.11 -0.96	50.73 0.15 0.00	45.13 0.13 -2.29	39.03 -0.07 -1.88	37.18 0.04 -0.83
RUSSELL____2 23532	37.08 0.18 -0.26	35.36 -0.83 0.00	32.87 -0.88 0.00	31.05 -0.63 0.00	30.44 -0.65 0.00	32.87 -0.84 0.00	35.77 -0.72 -0.25	36.03 -0.58 -0.30	38.98 -0.55 0.00	44.60 -0.45 0.02	47.90 -0.24 0.34	52.72 -0.11 0.00	60.21 -0.24 0.69	68.79 0.07 -0.18	71.43 0.00 -3.74	92.26 0.09 -3.38	93.23 -0.09 -4.38	99.38 0.00 -6.11	85.17 0.00 -1.63	57.59 -0.11 -0.96	50.73 0.15 0.00	45.13 0.13 -2.29	39.03 -0.07 -1.88	37.18 0.04 -0.83
RUSSELL____3 23549	37.08 0.18 -0.26	35.36 -0.83 0.00	32.87 -0.88 0.00	31.05 -0.63 0.00	30.44 -0.65 0.00	32.87 -0.84 0.00	35.77 -0.72 -0.25	36.03 -0.58 -0.30	38.98 -0.55 0.00	44.60 -0.45 0.02	47.90 -0.24 0.34	52.72 -0.11 0.00	60.21 -0.24 0.69	68.79 0.07 -0.18	71.43 0.00 -3.74	92.26 0.09 -3.38	93.23 -0.09 -4.38	99.38 0.00 -6.11	85.17 0.00 -1.63	57.59 -0.11 -0.96	50.73 0.15 0.00	45.13 0.13 -2.29	39.03 -0.07 -1.88	37.18 0.04 -0.83
RUSSELL____4 23556	37.08 0.18 -0.26	35.36 -0.83 0.00	32.87 -0.88 0.00	31.05 -0.63 0.00	30.44 -0.65 0.00	32.87 -0.84 0.00	35.77 -0.72 -0.25	36.03 -0.58 -0.30	38.98 -0.55 0.00	44.60 -0.45 0.02	47.90 -0.24 0.34	52.72 -0.11 0.00	60.21 -0.24 0.69	68.79 0.07 -0.18	71.43 0.00 -3.74	92.26 0.09 -3.38	93.23 -0.09 -4.38	99.38 0.00 -6.11	85.17 0.00 -1.63	57.59 -0.11 -0.96	50.73 0.15 0.00	45.13 0.13 -2.29	39.03 -0.07 -1.88	37.18 0.04 -0.83
RUSSELL____STATION 23914	37.08 0.18 -0.26	35.36 -0.83 0.00	32.87 -0.88 0.00	31.05 -0.63 0.00	30.44 -0.65 0.00	32.87 -0.84 0.00	35.77 -0.72 -0.25	36.03 -0.58 -0.30	38.98 -0.55 0.00	44.60 -0.45 0.02	47.90 -0.24 0.34	52.72 -0.11 0.00	60.21 -0.24 0.69	68.79 0.07 -0.18	71.43 0.00 -3.74	92.26 0.09 -3.38	93.23 -0.09 -4.38	99.38 0.00 -6.11	85.17 0.00 -1.63	57.59 -0.11 -0.96	50.73 0.15 0.00	45.13 0.13 -2.29	39.03 -0.07 -1.88	37.18 0.04 -0.83
S SALMON____HYD 24043	37.68 -0.37 -1.41	37.24 -0.54 -1.59	34.66 -0.64 -1.55	31.90 -0.57 -0.78	31.23 -0.53 -0.67	34.53 -0.57 -1.39	37.29 -0.43 -1.48	37.24 -0.43 -1.36	41.36 -0.47 -2.30	47.60 -0.49 -3.02	50.78 -0.53 -2.83	56.22 -0.69 -4.09	64.94 -0.73 -4.53	70.81 -1.17 -3.43	71.51 -1.29 -5.12	94.85 -1.60 -7.65	95.00 -1.51 -7.57	97.18 -1.59 -5.50	86.40 -1.25 -4.11	55.63 -0.85 0.27	50.33 -0.66 -0.41	43.94 -0.56 -1.78	38.22 -0.56 -1.56	37.50 -0.40 -1.58
S.PERRY__115KV_TB1 80734	36.89 -0.11 -0.36	35.14 -1.05 0.00	32.67 -1.08 0.00	30.86 -0.82 0.00	30.28 -0.81 0.00	32.74 -0.98 0.00	35.59 -1.01 -0.36	35.72 -1.02 -0.42	38.62 -1.27 -0.35	43.48 -1.58 0.02	46.52 -1.70 0.26	51.29 -1.53 0.00	56.57 -4.04 0.53	64.48 -4.32 -0.25	68.59 -4.40 -5.30	87.28 -6.30 -4.78	88.83 -6.31 -6.20	95.95 -5.97 -8.65	83.36 -4.51 -4.32	57.52 -2.61 -3.38	52.52 0.20 -1.74	45.95 0.00 -3.24	39.68 -0.22 -2.68	37.31 -0.18 -1.18
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	36.02 -0.95 -0.34	34.17 -2.03 0.00	31.73 -2.03 0.00	30.13 -1.55 0.00	29.51 -1.59 0.00	31.73 -1.99 0.00	34.30 -2.28 -0.34	34.42 -2.29 -0.39	37.72 -2.13 -0.32	42.80 -2.25 0.02	45.71 -2.47 0.30	50.40 -2.43 0.00	57.66 -2.87 0.60	66.25 -2.54 -0.24	70.08 -2.57 -4.97	89.55 -3.73 -4.49	91.02 -3.74 -5.82	97.47 -3.92 -8.11	82.53 -3.17 -2.16	55.70 -2.33 -1.28	49.21 -1.37 0.00	44.43 -1.32 -3.04	38.30 -1.41 -2.49	36.32 -1.09 -1.09
SAWYER____23_KV_LOAD 55526	36.02 -0.95 -0.34	34.17 -2.03 0.00	31.73 -2.03 0.00	30.13 -1.55 0.00	29.51 -1.59 0.00	31.73 -1.99 0.00	34.30 -2.28 -0.34	34.42 -2.29 -0.39	37.72 -2.13 -0.32	42.80 -2.25 0.02	45.71 -2.47 0.30	50.40 -2.43 0.00	57.66 -2.87 0.60	66.25 -2.54 -0.24	70.08 -2.57 -4.97	89.55 -3.73 -4.49	91.02 -3.74 -5.82	97.47 -3.92 -8.11	82.53 -3.17 -2.16	55.70 -2.33 -1.28	49.21 -1.37 0.00	44.43 -1.32 -3.04	38.30 -1.41 -2.49	36.32 -1.09 -1.09

SELKIRK___I 23801	41.23 1.72 -2.87	37.78 1.59 0.00	35.23 1.48 0.00	33.08 1.39 0.00	32.46 1.37 0.00	35.20 1.48 0.00	40.67 1.59 -2.84	41.15 1.52 -3.31	45.93 1.66 -4.74	46.88 1.80 0.00	50.32 1.84 0.00	54.47 1.64 0.00	52.55 0.67 9.26	48.33 0.83 21.04	58.69 0.68 9.67	62.93 0.98 26.85	71.42 1.07 18.59	95.62 1.40 -0.95	66.94 1.42 18.02	50.47 1.02 7.29	54.52 0.91 -3.03	59.33 0.73 -15.89	60.72 1.53 -21.97	47.45 1.49 -9.65
SELKIRK___II 23799	41.05 1.50 -2.91	37.53 1.34 0.00	35.03 1.28 0.00	32.89 1.20 0.00	32.27 1.18 0.00	34.96 1.25 0.00	40.49 1.38 -2.87	41.04 1.38 -3.35	46.08 1.54 -5.00	46.83 1.76 0.00	50.37 1.89 0.00	54.36 1.53 0.00	51.93 1.59 10.79	45.62 1.92 24.84	51.57 1.83 17.94	53.98 2.48 37.30	61.96 2.49 29.47	86.19 2.71 9.79	58.39 2.34 27.49	44.53 1.59 13.81	52.37 1.37 -0.42	58.25 1.11 -14.43	60.89 1.41 -22.26	47.39 1.31 -9.77
SENECA OSWGO___HYD 24041	38.22 -0.37 -1.94	37.85 -0.58 -2.23	35.28 -0.64 -2.18	32.22 -0.57 -1.10	31.47 -0.56 -0.94	35.07 -0.61 -1.96	37.75 -0.54 -2.05	37.67 -0.51 -1.86	42.25 -0.52 -3.23	48.84 -0.49 -4.25	52.83 -0.44 -4.78	59.10 -0.48 -6.75	68.18 -0.49 -7.53	75.03 -0.55 -7.04	76.01 -0.68 -9.00	102.03 -0.80 -14.04	102.01 -0.71 -13.78	103.47 -0.75 -10.95	89.40 -0.67 -6.53	57.22 -0.51 -0.98	51.63 -0.51 -1.56	44.49 -0.51 -2.29	38.63 -0.48 -1.90	37.97 -0.43 -2.09
SENECA___115KV_TB3 355854	36.26 -0.73 -0.35	34.53 -1.66 0.00	32.10 -1.65 0.00	30.45 -1.24 0.00	29.82 -1.27 0.00	32.10 -1.62 0.00	34.56 -2.03 -0.35	34.80 -1.92 -0.41	38.33 -1.54 -0.34	43.48 -1.58 0.02	46.26 -1.94 0.29	51.03 -1.80 0.00	58.42 -2.14 0.58	67.15 -1.65 -0.25	71.20 -1.69 -5.21	90.92 -2.58 -4.70	92.45 -2.58 -6.09	98.97 -2.80 -8.50	83.64 -2.17 -2.26	56.38 -1.70 -1.34	49.87 -0.71 0.00	44.91 -0.98 -3.19	38.71 -1.12 -2.61	36.62 -0.84 -1.14
SENECA___ENERGY 23797	37.61 0.00 -0.97	36.76 -0.33 -0.89	34.07 -0.54 -0.87	31.71 -0.41 -0.44	31.09 -0.37 -0.37	34.05 -0.44 -0.78	36.93 -0.33 -1.01	37.14 -0.14 -0.97	40.74 -0.08 -1.28	46.80 0.05 -1.68	50.26 0.10 -1.68	55.73 0.21 -2.69	64.08 0.31 -2.63	71.78 0.34 -2.89	74.19 0.14 -6.37	96.95 0.09 -8.07	97.75 0.09 -8.72	102.32 0.19 -8.87	87.71 0.34 -3.83	57.97 0.17 -1.06	51.31 0.15 -0.59	45.28 -0.09 -2.66	39.37 -0.07 -2.23	37.80 0.00 -1.49
SHOEMAKER___GT 23640	41.04 2.38 -2.03	38.15 1.95 0.00	35.64 1.89 0.00	33.43 1.74 0.00	32.80 1.71 0.00	35.54 1.82 0.00	40.28 2.03 -2.00	40.83 2.18 -2.34	43.95 2.57 -1.85	48.01 2.93 0.00	51.78 3.30 0.00	56.47 3.64 0.00	66.31 4.34 -0.83	77.24 5.14 -3.55	108.76 5.28 -35.79	129.73 7.01 -33.92	138.49 7.02 -42.53	157.38 7.18 -56.93	122.52 6.35 -32.63	86.40 4.20 -25.46	67.53 3.54 -13.41	65.53 2.86 -19.96	55.21 2.31 -15.68	45.23 2.03 -6.88
SHOEMAKR_138KV_BK 111 55601	40.99 2.34 -2.01	38.22 2.03 0.00	35.61 1.86 0.00	33.40 1.71 0.00	32.77 1.68 0.00	35.54 1.82 0.00	40.22 1.99 -1.99	40.81 2.18 -2.32	43.94 2.57 -1.83	48.05 2.98 0.00	51.78 3.30 0.00	56.47 3.65 0.00	66.29 4.34 -0.81	77.26 5.21 -3.51	108.53 5.41 -35.43	129.47 7.10 -33.56	138.15 7.12 -42.10	156.91 7.28 -56.36	122.18 6.35 -32.28	86.14 4.20 -25.19	67.39 3.54 -13.27	65.34 2.86 -19.77	54.90 2.31 -15.37	45.10 2.03 -6.75
SHOREHAM_IC_1 23715	86.39 4.39 -45.36	62.41 3.73 -22.49	54.69 3.44 -17.50	49.83 3.14 -15.01	45.61 3.02 -11.50	49.64 3.31 -12.62	45.67 3.62 -5.81	51.04 4.21 -10.52	67.69 4.98 -23.17	86.01 5.54 -35.39	104.35 6.11 -49.76	128.22 6.76 -68.63	128.78 7.94 -59.70	158.25 9.46 -80.25	201.82 9.88 -124.25	253.38 13.23 -151.34	257.27 12.81 -155.51	302.88 13.06 -196.55	257.68 11.95 -162.19	242.67 8.17 -177.75	217.56 7.03 -159.96	147.99 5.51 -99.77	98.40 4.65 -56.53	98.19 4.10 -57.78
SHOREHAM_IC_2 23716	86.39 4.39 -45.36	62.41 3.73 -22.49	54.69 3.44 -17.50	49.83 3.14 -15.01	45.61 3.02 -11.50	49.64 3.31 -12.62	45.67 3.62 -5.81	51.04 4.21 -10.52	67.69 4.98 -23.17	86.01 5.54 -35.39	104.35 6.11 -49.76	128.22 6.76 -68.63	128.78 7.94 -59.70	158.25 9.46 -80.25	201.82 9.88 -124.25	253.38 13.23 -151.34	257.27 12.81 -155.51	302.88 13.06 -196.55	257.68 11.95 -162.19	242.67 8.17 -177.75	217.56 7.03 -159.96	147.99 5.51 -99.77	98.40 4.65 -56.53	98.19 4.10 -57.78
SISSONVILLE____ 23735	34.27 -2.53 -0.16	34.34 -2.06 -0.21	32.06 -1.89 -0.20	29.98 -1.81 -0.10	29.41 -1.77 -0.09	32.08 -1.82 -0.18	34.53 -1.88 -0.17	34.62 -1.85 -0.16	37.38 -2.45 -0.30	42.36 -3.11 -0.39	39.06 -3.54 5.89	40.74 -4.01 8.07	48.39 -4.71 8.05	44.15 -5.83 18.56	41.70 -5.96 20.03	49.32 -7.73 31.75	49.34 -7.74 31.87	50.10 -7.93 35.24	68.17 -7.18 8.19	39.47 -4.37 12.91	38.47 -3.84 8.26	38.50 -3.03 1.18	34.90 -2.38 -0.07	34.28 -2.18 -0.15
SITHE_IND_GS1 24169	30.61 -0.99 5.04	28.60 -1.12 6.48	26.29 -1.15 6.31	27.45 -1.04 3.20	27.35 -1.03 2.72	26.93 -1.11 5.68	29.77 -1.12 5.35	30.50 -1.09 4.72	29.02 -1.15 9.37	31.37 -1.26 12.44	31.11 -1.31 16.07	31.11 -1.37 20.34	33.75 -1.59 25.80	45.05 -1.78 21.71	46.57 -1.82 19.29	50.54 -2.39 35.86	53.84 -2.31 32.79	69.89 -2.51 20.86	65.47 -2.17 15.91	53.36 -1.53 1.85	43.89 -1.36 5.32	40.11 -1.20 1.40	35.04 -1.08 1.10	31.18 -1.02 4.12
SITHE_IND_GS2 24170	30.61 -0.99 5.04	28.60 -1.12 6.48	26.29 -1.15 6.31	27.45 -1.04 3.20	27.35 -1.03 2.72	26.93 -1.11 5.68	29.77 -1.12 5.35	30.50 -1.09 4.72	29.02 -1.15 9.37	31.37 -1.26 12.44	31.11 -1.31 16.07	31.11 -1.37 20.34	33.75 -1.59 25.80	45.05 -1.78 21.71	46.57 -1.82 19.29	50.54 -2.39 35.86	53.84 -2.31 32.79	69.89 -2.51 20.86	65.47 -2.17 15.91	53.36 -1.53 1.85	43.89 -1.36 5.32	40.11 -1.20 1.40	35.04 -1.08 1.10	31.18 -1.02 4.12
SITHE_IND_GS3 24171	30.61 -0.99 5.04	28.60 -1.12 6.48	26.29 -1.15 6.31	27.45 -1.04 3.20	27.35 -1.03 2.72	26.93 -1.11 5.68	29.77 -1.12 5.35	30.50 -1.09 4.72	29.02 -1.15 9.37	31.37 -1.26 12.44	31.11 -1.31 16.07	31.11 -1.37 20.34	33.75 -1.59 25.80	45.05 -1.78 21.71	46.57 -1.82 19.29	50.54 -2.39 35.86	53.84 -2.31 32.79	69.89 -2.51 20.86	65.47 -2.17 15.91	53.36 -1.53 1.85	43.89 -1.36 5.32	40.11 -1.20 1.40	35.04 -1.08 1.10	31.18 -1.02 4.12
SITHE_IND_GS4 24172	30.61 -0.99 5.04	28.60 -1.12 6.48	26.29 -1.15 6.31	27.45 -1.04 3.20	27.35 -1.03 2.72	26.93 -1.11 5.68	29.77 -1.12 5.35	30.50 -1.09 4.72	29.02 -1.15 9.37	31.37 -1.26 12.44	31.11 -1.31 16.07	31.11 -1.37 20.34	33.75 -1.59 25.80	45.05 -1.78 21.71	46.57 -1.82 19.29	50.54 -2.39 35.86	53.84 -2.31 32.79	69.89 -2.51 20.86	65.47 -2.17 15.91	53.36 -1.53 1.85	43.89 -1.36 5.32	40.11 -1.20 1.40	35.04 -1.08 1.10	31.18 -1.02 4.12
SITHE___BATAVIA 24024	36.97 0.04 -0.30	35.47 -0.72 0.00	32.54 -1.21 0.00	30.74 -0.95 0.00	30.22 -0.87 0.00	32.57 -1.15 0.00	35.31 -1.23 -0.30	35.53 -1.13 -0.34	38.55 -0.99 0.00	44.06 -0.99 0.02	47.15 -1.02 0.32	51.88 -0.95 0.00	59.28 -1.22 0.64	67.93 -0.82 -0.21	70.70 -1.35 -4.37	91.31 -1.42 -3.94	92.54 -1.51 -5.11	99.00 -1.40 -7.13	84.44 -1.00 -1.90	57.36 -0.51 -1.12	50.27 -0.30 0.00	44.78 -0.60 -2.67	38.96 -0.44 -2.19	37.09 -0.18 -0.96

SITHE___INDEPEND 23800	30.61 -0.99 5.04	28.52 -1.19 6.48	26.29 -1.15 6.31	27.44 -1.05 3.20	27.35 -1.03 2.72	26.93 -1.11 5.68	29.77 -1.12 5.35	30.50 -1.09 4.72	29.02 -1.15 9.37	31.37 -1.26 12.44	31.11 -1.31 16.07	31.11 -1.37 20.34	33.75 -1.59 25.80	45.05 -1.78 21.71	46.64 -1.76 19.29	50.54 -2.40 35.86	53.84 -2.31 32.79	69.89 -2.52 20.86	65.47 -2.17 15.91	53.30 -1.59 1.85	43.94 -1.31 5.32	40.16 -1.15 1.40	35.04 -1.08 1.10	31.18 -1.02 4.12
SITHE___MASSENA 23902	35.17 -1.47 0.00	35.14 -1.05 0.00	32.81 -0.94 0.00	30.80 -0.89 0.00	30.19 -0.90 0.00	32.81 -0.91 0.00	35.27 -0.98 0.00	35.26 -1.05 0.00	38.03 -1.50 0.00	43.14 -1.94 0.00	37.00 -2.23 9.25	37.54 -2.53 12.76	45.45 -2.93 12.76	36.91 -3.63 28.00	34.03 -3.38 30.27	35.83 -4.80 48.17	35.82 -4.89 48.23	35.69 -4.95 52.64	66.28 -4.51 12.76	34.99 -2.78 18.98	35.93 -2.33 12.32	39.15 -1.71 1.85	35.91 -1.30 0.00	35.15 -1.16 0.00
SITHE___OGDNSBRG 24021	35.17 -1.47 0.00	35.18 -1.01 0.00	32.84 -0.91 0.00	30.80 -0.89 0.00	30.25 -0.84 0.00	32.87 -0.84 0.00	35.41 -0.83 0.00	35.44 -0.87 0.00	38.11 -1.42 0.00	43.14 -1.94 0.00	38.65 -2.38 7.46	39.84 -2.69 10.29	47.73 -3.12 10.29	41.71 -4.18 22.66	39.00 -4.26 24.42	44.34 -5.59 38.87	44.34 -5.69 38.91	45.11 -5.69 42.47	68.16 -5.10 10.29	38.54 -2.89 15.31	38.16 -2.48 9.94	39.30 -1.92 1.49	35.77 -1.45 0.00	35.15 -1.16 0.00
SITHE___STERLING 23777	38.41 1.36 -0.41	37.72 1.16 -0.37	35.09 0.98 -0.36	32.82 0.95 -0.18	32.18 0.93 -0.15	35.05 1.01 -0.32	37.94 1.27 -0.43	38.11 1.38 -0.41	41.65 1.58 -0.53	47.70 1.94 -0.69	50.82 1.99 -0.35	55.71 2.22 -0.67	64.29 2.57 -0.58	71.08 2.26 -0.28	71.60 2.10 -1.81	93.52 2.84 -1.88	94.00 2.85 -2.21	98.67 3.17 -2.22	87.78 3.00 -1.23	58.58 1.99 0.15	52.22 1.82 0.17	45.28 1.41 -1.16	39.27 1.04 -1.01	38.27 1.31 -0.65
SLEIGHT___34_KV_TB1 80719	37.01 -0.07 -0.44	35.61 -0.83 -0.25	33.15 -0.84 -0.24	31.14 -0.67 -0.12	30.51 -0.68 -0.10	33.12 -0.81 -0.22	36.04 -0.65 -0.45	36.31 -0.47 -0.47	39.42 -0.47 -0.36	45.12 -0.41 -0.45	48.50 -0.24 -0.26	53.54 -0.11 -0.82	61.28 -0.18 -0.32	69.46 -0.14 -1.05	71.93 -0.20 -4.45	93.38 -0.18 -4.76	94.29 -0.27 -5.62	99.83 -0.28 -6.83	85.53 -0.25 -2.24	57.42 -0.34 -1.02	50.64 -0.15 -0.21	44.84 -0.17 -2.30	38.86 -0.26 -1.91	37.12 -0.18 -0.98
SOUTH CAIRO___GT 23612	42.20 2.82 -2.75	39.02 2.82 0.00	36.32 2.57 0.00	34.06 2.38 0.00	33.42 2.33 0.00	36.31 2.60 0.00	41.68 2.72 -2.71	42.02 2.54 -3.17	46.75 2.77 -4.45	48.19 3.11 0.00	51.59 3.10 0.00	55.57 2.75 0.00	54.80 3.18 9.52	50.26 3.50 21.78	58.02 3.38 13.05	62.93 4.53 30.40	71.26 5.07 22.75	95.23 6.06 4.10	66.42 5.68 22.80	49.26 3.75 11.23	54.69 3.54 -0.58	59.83 2.69 -14.43	60.38 2.16 -21.00	47.71 2.18 -9.22
SOUTH HAMPTN___IC 23720	86.91 4.91 -45.36	62.88 4.20 -22.49	55.09 3.85 -17.50	50.18 3.49 -15.01	45.98 3.39 -11.50	50.01 3.68 -12.62	46.07 4.02 -5.81	51.44 4.61 -10.52	68.28 5.58 -23.17	86.82 6.36 -35.39	105.13 7.13 -49.52	128.32 7.92 -67.57	129.11 9.29 -58.68	157.63 11.04 -78.05	200.72 11.44 -121.59	251.05 14.74 -147.51	257.45 14.50 -154.00	302.17 14.92 -193.98	254.82 13.36 -157.91	238.16 9.02 -172.39	214.54 7.84 -156.13	147.52 6.24 -98.57	98.88 5.14 -56.53	98.66 4.58 -57.77
SOUTHDOW___115KV_TB1 355954	37.13 0.11 -0.38	35.47 -0.72 0.00	32.91 -0.84 0.00	31.24 -0.44 0.00	30.66 -0.44 0.00	33.11 -0.61 0.00	36.04 -0.58 -0.37	36.53 -0.22 -0.44	40.33 0.43 -0.36	45.87 0.81 0.02	48.75 0.53 0.27	53.57 0.74 0.00	61.51 0.92 0.55	70.59 1.78 -0.27	75.16 1.90 -5.58	95.70 1.86 -5.04	97.34 1.87 -6.53	104.15 1.77 -9.11	89.95 1.84 -4.57	61.06 0.74 -3.57	53.89 1.47 -1.85	46.81 0.68 -3.42	40.35 0.33 -2.79	38.01 0.47 -1.23
SOUTHOLD_69_KV_BK 2 55809	87.20 5.20 -45.36	63.24 4.56 -22.49	55.30 4.05 -17.50	50.30 3.61 -15.01	46.11 3.51 -11.50	50.18 3.84 -12.62	46.22 4.17 -5.81	51.59 4.76 -10.52	68.56 5.85 -23.17	87.23 6.76 -35.39	105.76 7.76 -49.52	129.07 8.66 -67.58	130.04 10.21 -58.69	158.76 12.13 -78.08	201.91 12.59 -121.64	250.57 14.21 -147.56	257.11 14.14 -154.02	301.74 14.46 -194.01	254.37 12.87 -157.96	237.71 8.51 -172.46	215.26 8.50 -156.18	148.05 6.75 -98.59	98.94 5.36 -56.36	98.88 4.87 -57.70
SOUTHOLD___IC 23719	87.20 5.20 -45.36	63.13 4.45 -22.49	55.30 4.05 -17.50	50.30 3.61 -15.01	46.10 3.51 -11.50	50.18 3.84 -12.62	46.22 4.17 -5.81	51.59 4.76 -10.52	68.55 5.85 -23.17	87.22 6.76 -35.39	105.76 7.76 -49.52	129.12 8.71 -67.58	130.04 10.21 -58.69	158.76 12.13 -78.08	201.91 12.59 -121.64	250.48 14.12 -147.56	257.11 14.14 -154.02	301.74 14.46 -194.01	254.37 12.86 -157.96	237.77 8.57 -172.46	215.21 8.45 -156.18	148.05 6.75 -98.59	99.18 5.43 -56.53	98.96 4.87 -57.77
SOUTH_FORK_WT_PWR 323839	86.83 4.84 -45.36	62.77 4.09 -22.49	54.93 3.68 -17.50	49.96 3.26 -15.01	45.77 3.17 -11.50	49.81 3.47 -12.62	45.82 3.77 -5.81	51.15 4.32 -10.52	68.12 5.42 -23.17	86.77 6.31 -35.39	105.32 7.32 -49.52	128.59 8.19 -67.57	129.42 9.60 -58.68	158.06 11.45 -78.07	201.14 11.84 -121.61	250.45 14.12 -147.54	257.00 14.05 -154.01	301.72 14.46 -193.99	254.26 12.78 -157.93	237.67 8.51 -172.42	214.62 7.89 -156.15	147.53 6.24 -98.58	98.73 4.99 -56.53	98.52 4.43 -57.77
SPIERFLS_115KV_TB 1 80737	42.12 2.45 -3.03	38.62 2.42 0.00	35.88 2.13 0.00	33.62 1.93 0.00	32.99 1.90 0.00	35.87 2.16 0.00	41.77 2.54 -2.99	42.42 2.61 -3.49	52.18 3.12 -9.52	48.68 3.61 0.00	51.88 3.39 0.00	56.58 3.75 0.00	69.67 4.46 -4.07	84.98 4.04 -12.39	141.35 3.79 -69.87	164.87 5.06 -71.01	179.05 5.16 -84.95	206.22 6.25 -106.70	206.48 6.27 -116.67	161.17 4.14 -100.28	122.81 4.25 -67.99	79.23 3.33 -33.19	62.94 2.53 -23.19	48.82 2.32 -10.18
ST LAWRENCE____ 23600	35.28 -1.35 0.00	35.18 -1.01 0.00	32.84 -0.91 0.00	30.83 -0.85 0.00	30.25 -0.84 0.00	32.84 -0.88 0.00	35.23 -1.01 0.00	35.23 -1.09 0.00	38.15 -1.38 0.00	43.27 -1.80 0.00	47.13 -2.03 -0.68	51.54 -2.27 -0.98	59.40 -2.69 -0.94	66.68 -3.15 -1.29	67.05 -2.98 -2.34	88.44 -4.08 -3.73	88.59 -4.09 -3.73	93.24 -4.10 -4.07	80.76 -3.76 -0.97	55.78 -2.44 -1.47	49.41 -2.08 -0.91	41.31 -1.54 -0.14	35.99 -1.23 0.00	35.19 -1.13 0.00
STATE_CA_115KV_115_LB 55624	41.35 1.76 -2.95	37.79 1.59 0.00	35.17 1.42 0.00	32.98 1.30 0.00	32.37 1.27 0.00	35.10 1.38 0.00	40.72 1.56 -2.92	41.32 1.60 -3.40	48.31 1.86 -6.91	47.24 2.16 0.00	50.81 2.33 0.00	55.20 2.38 0.00	63.89 2.75 0.00	73.86 3.15 -2.17	115.98 3.11 -45.18	133.65 4.08 -40.77	145.98 4.18 -52.86	171.49 4.48 -73.74	155.01 3.93 -67.54	118.86 2.61 -59.51	94.24 2.28 -41.39	72.15 1.79 -27.65	61.38 1.56 -22.60	47.69 1.45 -9.92
STATE_ST_34_KV_LOAD 55959	38.09 0.37 -1.09	37.19 -0.04 -1.03	34.62 -0.14 -1.00	32.16 -0.03 -0.51	31.49 -0.03 -0.43	34.55 -0.07 -0.90	37.41 0.04 -1.13	37.60 0.22 -1.07	41.34 0.32 -1.49	47.52 0.50 -1.95	51.08 0.58 -2.02	56.71 0.74 -3.14	65.24 0.92 -3.18	72.87 0.96 -3.37	75.36 0.88 -6.79	98.81 1.15 -8.86	99.54 1.16 -9.44	103.80 1.21 -9.31	88.98 1.25 -4.18	58.52 0.68 -1.09	51.98 0.71 -0.70	45.87 0.47 -2.69	39.79 0.30 -2.27	38.23 0.33 -1.59

STATION 5_MISC_HYD 23604	36.86 -0.04 -0.26	35.50 -0.69 0.00	32.74 -1.01 0.00	30.83 -0.85 0.00	30.28 -0.81 0.00	32.71 -1.01 0.00	35.59 -0.90 -0.25	35.81 -0.80 -0.30	38.75 -0.79 0.00	44.29 -0.77 0.02	47.56 -0.58 0.34	52.35 -0.48 0.00	59.78 -0.67 0.69	68.32 -0.41 -0.18	70.75 -0.68 -3.74	91.64 -0.53 -3.38	92.60 -0.71 -4.38	98.73 -0.65 -6.11	84.67 -0.50 -1.63	57.42 -0.28 -0.96	50.22 -0.35 0.00	44.61 -0.39 -2.29	38.76 -0.34 -1.88	36.96 -0.18 -0.83
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	37.36 0.26 -0.46	35.91 -0.54 -0.26	33.43 -0.57 -0.26	31.44 -0.38 -0.13	30.83 -0.37 -0.11	33.44 -0.51 -0.23	36.35 -0.36 -0.47	36.66 -0.15 -0.49	39.84 -0.08 -0.38	45.65 0.09 -0.48	49.03 0.24 -0.30	54.12 0.42 -0.87	61.95 0.43 -0.38	70.27 0.62 -1.11	72.81 0.54 -4.58	94.43 0.71 -4.92	95.27 0.53 -5.80	100.95 0.65 -7.03	86.44 0.58 -2.31	58.07 0.28 -1.05	51.26 0.46 -0.23	45.37 0.30 -2.36	39.28 0.11 -1.95	37.51 0.18 -1.01
STA_56_34_KV_BUS2_REV_LBMP_B 345033	36.67 -0.22 -0.25	35.07 -1.12 0.00	32.60 -1.15 0.00	30.77 -0.92 0.00	30.19 -0.90 0.00	32.60 -1.11 0.00	35.48 -1.01 -0.25	35.73 -0.87 -0.29	38.63 -0.91 0.00	44.20 -0.86 0.02	47.47 -0.68 0.34	52.30 -0.53 0.00	59.73 -0.73 0.68	68.17 -0.55 -0.18	70.78 -0.61 -3.70	91.42 -0.71 -3.34	92.38 -0.89 -4.33	98.47 -0.84 -6.04	84.40 -0.75 -1.61	57.07 -0.62 -0.95	50.22 -0.35 0.00	44.67 -0.30 -2.26	38.63 -0.45 -1.86	36.80 -0.33 -0.82
STA_56____34_KV_BUS2 355983	36.67 -0.22 -0.25	35.07 -1.12 0.00	32.60 -1.15 0.00	30.77 -0.92 0.00	30.19 -0.90 0.00	32.60 -1.11 0.00	35.48 -1.01 -0.25	35.73 -0.87 -0.29	38.63 -0.91 0.00	44.20 -0.86 0.02	47.47 -0.68 0.34	52.30 -0.53 0.00	59.73 -0.73 0.68	68.17 -0.55 -0.18	70.78 -0.61 -3.70	91.42 -0.71 -3.34	92.38 -0.89 -4.33	98.47 -0.84 -6.04	84.40 -0.75 -1.61	57.07 -0.62 -0.95	50.22 -0.35 0.00	44.67 -0.30 -2.26	38.63 -0.45 -1.86	36.80 -0.33 -0.82
STA_67____115KV_BK2 355882	36.78 -0.11 -0.26	35.11 -1.09 0.00	32.64 -1.11 0.00	30.83 -0.86 0.00	30.22 -0.87 0.00	32.64 -1.08 0.00	35.52 -0.98 -0.25	35.74 -0.87 -0.29	38.63 -0.91 0.00	44.15 -0.90 0.02	47.41 -0.73 0.34	52.25 -0.58 0.00	59.65 -0.79 0.69	68.11 -0.62 -0.18	70.75 -0.68 -3.74	91.37 -0.80 -3.37	92.34 -0.98 -4.37	98.44 -0.93 -6.10	84.42 -0.75 -1.63	57.08 -0.62 -0.96	50.27 -0.30 0.00	44.78 -0.21 -2.29	38.69 -0.41 -1.88	36.89 -0.25 -0.83
STA_7____115KV_9TRANS 80674	37.08 0.18 -0.26	35.36 -0.83 0.00	32.87 -0.88 0.00	31.05 -0.63 0.00	30.44 -0.65 0.00	32.87 -0.84 0.00	35.77 -0.72 -0.25	36.03 -0.58 -0.30	38.98 -0.55 0.00	44.60 -0.45 0.02	47.90 -0.24 0.34	52.72 -0.11 0.00	60.21 -0.24 0.69	68.79 0.07 -0.18	71.43 0.00 -3.74	92.26 0.09 -3.38	93.23 -0.09 -4.38	99.38 0.00 -6.11	85.17 0.00 -1.63	57.59 -0.11 -0.96	50.73 0.15 0.00	45.13 0.13 -2.29	39.03 -0.07 -1.88	37.18 0.04 -0.83
STA_82____115KV_TB1 80780	36.78 -0.11 -0.26	35.11 -1.09 0.00	32.67 -1.08 0.00	30.86 -0.82 0.00	30.25 -0.84 0.00	32.67 -1.05 0.00	35.52 -0.98 -0.25	35.74 -0.87 -0.30	38.63 -0.91 0.00	44.20 -0.86 0.02	47.47 -0.68 0.34	52.25 -0.58 0.00	59.66 -0.79 0.68	68.11 -0.62 -0.18	70.83 -0.61 -3.76	91.39 -0.80 -3.39	92.36 -0.98 -4.40	98.47 -0.93 -6.13	84.43 -0.75 -1.63	57.09 -0.62 -0.97	50.27 -0.30 0.00	44.80 -0.21 -2.30	38.74 -0.37 -1.89	36.89 -0.25 -0.83
STEEL____WIND 323596	36.22 -0.77 -0.35	35.00 -1.19 0.00	32.03 -1.72 0.00	30.32 -1.36 0.00	29.79 -1.30 0.00	32.06 -1.65 0.00	34.57 -2.03 -0.35	34.69 -2.03 -0.41	38.29 -1.58 -0.34	43.44 -1.62 0.02	46.21 -1.99 0.29	50.93 -1.90 0.00	58.36 -2.20 0.58	67.08 -1.71 -0.25	70.66 -2.23 -5.21	90.83 -2.66 -4.70	92.37 -2.67 -6.09	98.88 -2.89 -8.50	83.56 -2.25 -2.26	56.61 -1.48 -1.34	49.51 -1.06 0.00	44.44 -1.45 -3.19	38.63 -1.19 -2.60	36.59 -0.87 -1.14
STEPHTWN_115KV_BK_2 55603	41.57 2.02 -2.92	38.04 1.85 0.00	35.37 1.62 0.00	33.17 1.49 0.00	32.52 1.43 0.00	35.33 1.62 0.00	40.98 1.85 -2.89	41.57 1.89 -3.37	47.57 2.17 -5.86	47.56 2.48 0.00	51.20 2.72 0.00	55.52 2.69 0.00	45.90 3.06 18.30	28.38 3.43 43.59	9.92 3.38 61.15	2.35 4.53 90.97	7.65 4.62 85.92	31.66 5.13 66.75	9.89 4.51 78.17	10.20 2.95 49.50	38.15 2.58 15.00	50.42 2.05 -5.66	61.37 1.82 -22.33	47.82 1.71 -9.80
STEUBEN_REC_LFGE 323667	37.48 0.11 -0.73	35.91 -0.62 -0.33	33.43 -0.64 -0.32	31.53 -0.32 -0.16	30.92 -0.31 -0.14	33.57 -0.44 -0.29	36.34 -0.65 -0.75	36.78 -0.33 -0.80	40.52 0.04 -0.95	45.96 0.27 -0.62	49.01 0.00 -0.52	54.25 0.32 -1.11	62.23 0.31 -0.79	70.53 0.48 -1.51	75.52 0.00 -7.84	95.99 -0.89 -8.08	96.98 -1.69 -9.73	104.18 -1.31 -12.22	89.81 -0.17 -6.44	61.21 0.00 -4.47	54.09 0.96 -2.55	47.24 0.30 -4.23	40.82 0.04 -3.57	38.30 0.22 -1.76
STILLWATER____SOLAR 323814	42.26 2.60 -3.02	38.62 2.43 0.00	35.94 2.19 0.00	33.72 2.03 0.00	33.08 1.99 0.00	35.91 2.19 0.00	41.72 2.50 -2.98	42.33 2.54 -3.47	51.69 2.93 -9.23	48.46 3.38 0.00	51.93 3.44 0.00	56.58 3.75 0.00	70.54 4.40 -5.00	87.90 4.66 -14.69	147.14 4.47 -74.99	172.28 6.04 -77.44	186.65 6.05 -91.66	213.54 6.90 -113.37	211.43 6.35 -121.54	164.41 4.31 -103.35	123.35 3.99 -68.78	80.05 3.20 -34.13	62.91 2.60 -23.09	48.85 2.40 -10.14
STONY____BROOK 24151	86.54 4.54 -45.36	62.59 3.91 -22.49	54.89 3.65 -17.50	50.02 3.33 -15.01	45.80 3.20 -11.50	49.84 3.51 -12.62	45.89 3.84 -5.81	51.19 4.36 -10.52	67.84 5.14 -23.17	86.32 5.86 -35.39	106.07 6.50 -51.09	134.13 6.86 -74.44	134.35 7.94 -65.27	169.68 9.32 -91.81	215.27 9.55 -138.04	273.26 12.52 -171.94	264.95 12.36 -163.65	316.47 12.68 -210.52	280.40 11.27 -185.59	271.43 7.66 -207.03	237.21 6.42 -180.21	153.71 5.29 -105.71	98.55 4.80 -56.53	98.34 4.25 -57.78
STURGEON_POOL_HYD 23609	41.64 2.64 -2.37	38.69 2.50 0.00	36.08 2.33 0.00	33.81 2.12 0.00	33.18 2.08 0.00	35.94 2.23 0.00	40.83 2.25 -2.34	41.52 2.47 -2.73	45.15 3.00 -2.61	48.77 3.70 0.00	52.65 4.17 0.00	57.58 4.75 0.00	65.38 5.99 1.75	73.10 7.20 2.64	101.28 7.51 -26.09	118.68 9.77 -20.11	127.87 9.78 -29.14	148.81 9.79 -45.74	112.83 8.61 -20.69	80.17 5.67 -17.75	66.23 4.75 -10.91	66.70 3.89 -20.10	58.06 2.72 -18.13	46.63 2.36 -7.96
ST_LAW_115_BK7_LBMP 345037	35.13 -1.50 0.00	35.07 -1.12 0.00	32.77 -0.98 0.00	30.74 -0.95 0.00	30.16 -0.93 0.00	32.74 -0.98 0.00	35.16 -1.09 0.00	35.15 -1.16 0.00	38.03 -1.50 0.00	43.14 -1.94 0.00	47.17 -2.18 -0.87	51.54 -2.48 -1.20	59.47 -2.87 -1.20	66.87 -3.43 -1.75	67.29 -3.25 -2.85	88.89 -4.44 -4.53	89.04 -4.44 -4.54	93.66 -4.57 -4.95	80.65 -4.09 -1.20	55.87 -2.67 -1.79	49.46 -2.27 -1.16	41.22 -1.67 -0.17	35.88 -1.34 0.00	35.08 -1.23 0.00
ST_LAW_115_BK8_LBMP 345038	35.13 -1.50 0.00	35.07 -1.12 0.00	32.77 -0.98 0.00	30.74 -0.95 0.00	30.16 -0.93 0.00	32.74 -0.98 0.00	35.16 -1.09 0.00	35.15 -1.16 0.00	38.03 -1.50 0.00	43.14 -1.94 0.00	47.17 -2.18 -0.87	51.54 -2.48 -1.20	59.47 -2.87 -1.20	66.87 -3.43 -1.75	67.29 -3.25 -2.85	88.89 -4.44 -4.53	89.04 -4.44 -4.54	93.66 -4.57 -4.95	80.65 -4.09 -1.20	55.87 -2.67 -1.79	49.46 -2.27 -1.16	41.22 -1.67 -0.17	35.88 -1.34 0.00	35.08 -1.23 0.00

ST_LAW_230_BK5_LBMP 345035	35.28 -1.35 0.00	35.18 -1.01 0.00	32.84 -0.91 0.00	30.83 -0.85 0.00	30.25 -0.84 0.00	32.84 -0.88 0.00	35.23 -1.01 0.00	35.23 -1.09 0.00	38.15 -1.38 0.00	43.27 -1.80 0.00	46.96 -2.03 -0.51	51.26 -2.27 -0.70	59.15 -2.69 -0.70	66.06 -3.15 -0.67	66.37 -2.98 -1.66	87.36 -4.08 -2.65	87.50 -4.09 -2.65	92.06 -4.10 -2.89	80.49 -3.76 -0.70	55.35 -2.44 -1.04	49.18 -2.08 -0.68	41.28 -1.54 -0.10	35.99 -1.23 0.00	35.19 -1.13 0.00
ST_LAW_230_BK6_LBMP 345036	35.28 -1.35 0.00	35.18 -1.01 0.00	32.84 -0.91 0.00	30.83 -0.85 0.00	30.25 -0.84 0.00	32.84 -0.88 0.00	35.23 -1.01 0.00	35.23 -1.09 0.00	38.15 -1.38 0.00	43.27 -1.80 0.00	46.96 -2.03 -0.51	51.26 -2.27 -0.70	59.15 -2.69 -0.70	66.06 -3.15 -0.67	66.37 -2.98 -1.66	87.36 -4.08 -2.65	87.50 -4.09 -2.65	92.06 -4.10 -2.89	80.49 -3.76 -0.70	55.35 -2.44 -1.04	49.18 -2.08 -0.68	41.28 -1.54 -0.10	35.99 -1.23 0.00	35.19 -1.13 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	41.33 2.60 -2.09	38.44 2.24 0.00	35.81 2.06 0.00	33.59 1.90 0.00	32.96 1.87 0.00	35.71 1.99 0.00	40.52 2.21 -2.07	41.16 2.43 -2.41	44.33 2.89 -1.91	48.41 3.34 0.00	52.26 3.78 0.00	57.05 4.23 0.00	67.03 5.01 -0.87	78.29 6.03 -3.71	111.04 6.36 -36.99	132.23 8.35 -35.09	141.18 8.27 -43.97	160.47 8.39 -58.80	124.67 7.35 -33.77	87.92 4.82 -26.35	68.45 4.00 -13.88	66.50 3.20 -20.59	55.95 2.75 -15.98	45.73 2.40 -7.02
SWANROAD_115KV_TB1 355699	35.42 -1.54 -0.32	33.62 -2.57 0.00	31.22 -2.53 0.00	29.72 -1.96 0.00	29.07 -2.02 0.00	31.22 -2.49 0.00	33.70 -2.86 -0.32	33.71 -2.98 -0.38	36.88 -2.97 -0.30	41.77 -3.29 0.02	44.73 -3.44 0.31	49.34 -3.49 0.00	56.30 -4.22 0.62	64.73 -4.04 -0.23	68.25 -4.76 -4.30	87.24 -5.86 -4.30	88.65 -5.87 -5.57	94.89 -6.16 -7.78	80.52 -5.10 -2.07	54.39 -3.57 -1.22	48.10 -2.48 0.00	43.49 -2.14 -2.92	37.49 -2.12 -2.39	35.69 -1.67 -1.05
SYNERGY___BIOGAS 323694	36.97 0.04 -0.30	35.47 -0.72 0.00	32.54 -1.21 0.00	30.74 -0.95 0.00	30.22 -0.87 0.00	32.57 -1.15 0.00	35.31 -1.23 -0.30	35.53 -1.13 -0.34	38.55 -0.99 0.00	44.06 -0.99 0.02	47.15 -1.02 0.32	51.88 -0.95 0.00	59.28 -1.22 0.64	67.93 -0.82 -0.21	70.70 -1.35 -4.37	91.31 -1.42 -3.94	92.54 -1.51 -5.11	99.00 -1.40 -7.13	84.44 -1.00 -1.90	57.36 -0.51 -1.12	50.27 -0.30 0.00	44.78 -0.60 -2.67	38.96 -0.44 -2.19	37.09 -0.18 -0.96
SYRACUSE___ENERGY_ST1 323597	37.94 0.11 -1.19	37.25 -0.18 -1.23	34.72 -0.24 -1.20	32.10 -0.19 -0.61	31.42 -0.19 -0.52	34.56 -0.24 -1.08	37.34 -0.14 -1.24	37.44 -0.04 -1.16	41.32 0.00 -1.79	47.51 0.09 -2.34	51.15 0.19 -2.48	56.80 0.26 -3.71	65.38 0.37 -3.87	72.79 0.34 -3.90	74.51 0.27 -6.56	98.28 0.36 -9.13	98.82 0.44 -9.43	102.25 0.37 -8.61	88.19 0.33 -4.31	57.76 0.11 -0.91	51.55 0.15 -0.82	45.03 0.04 -2.28	39.08 -0.04 -1.90	37.85 0.00 -1.53
SYRACUSE___ENERGY_ST2 323598	37.94 0.11 -1.19	37.25 -0.18 -1.23	34.72 -0.24 -1.20	32.10 -0.19 -0.61	31.42 -0.19 -0.52	34.56 -0.24 -1.08	37.34 -0.14 -1.24	37.44 -0.04 -1.16	41.32 0.00 -1.79	47.51 0.09 -2.34	51.15 0.19 -2.48	56.80 0.26 -3.71	65.38 0.37 -3.87	72.79 0.34 -3.90	74.51 0.27 -6.56	98.28 0.36 -9.13	98.82 0.44 -9.43	102.25 0.37 -8.61	88.19 0.33 -4.31	57.76 0.11 -0.91	51.55 0.15 -0.82	45.03 0.04 -2.28	39.08 -0.04 -1.90	37.85 0.00 -1.53
SYRACUSE___POWER 24017	37.34 -0.15 -0.85	36.63 -0.40 -0.83	34.12 -0.44 -0.81	31.72 -0.38 -0.41	31.07 -0.37 -0.35	34.01 -0.44 -0.73	36.81 -0.33 -0.89	36.94 -0.22 -0.84	40.54 -0.20 -1.20	46.56 -0.09 -1.57	49.98 0.00 -1.50	55.30 0.05 -2.42	63.64 0.18 -2.31	71.18 0.14 -2.49	72.76 0.07 -5.01	95.44 0.09 -6.55	96.08 0.18 -6.96	100.10 0.09 -6.74	86.79 0.08 -3.16	57.32 -0.11 -0.69	51.00 -0.05 -0.48	44.58 -0.13 -2.00	38.70 -0.19 -1.67	37.34 -0.18 -1.20
TALLMAN___138KV_BK151 55660	41.69 2.89 -2.16	38.65 2.46 0.00	36.01 2.26 0.00	33.78 2.09 0.00	33.14 2.05 0.00	35.91 2.19 0.00	40.77 2.39 -2.14	41.50 2.69 -2.49	44.71 3.20 -1.97	48.82 3.74 0.00	52.70 4.22 0.00	57.58 4.75 0.00	67.72 5.62 -0.95	79.37 6.85 -3.97	113.54 7.24 -38.61	135.01 9.50 -36.71	144.29 9.43 -45.92	164.08 9.51 -61.29	127.26 8.35 -35.36	89.76 5.45 -27.57	69.48 4.40 -14.51	67.64 3.54 -21.39	56.75 2.98 -16.55	46.12 2.54 -7.27
TEALLAVE_115KV_TB7 355573	37.21 -0.15 -0.71	36.43 -0.43 -0.67	33.93 -0.47 -0.66	31.64 -0.38 -0.33	31.00 -0.37 -0.28	33.87 -0.44 -0.59	36.62 -0.36 -0.74	36.77 -0.25 -0.71	40.31 -0.20 -0.97	46.26 -0.09 -1.27	49.55 -0.05 -1.11	54.77 0.05 -1.90	62.97 0.12 -1.70	70.51 0.07 -1.89	71.92 0.00 -4.24	94.16 0.00 -5.36	94.73 0.00 -5.78	99.00 0.00 -5.73	86.19 0.00 -2.64	57.12 -0.17 -0.54	50.79 -0.10 -0.32	44.36 -0.17 -1.82	38.52 -0.22 -1.52	37.18 -0.18 -1.05
TELGRAPH_34_KV_EAST 80808	36.25 -0.70 -0.31	34.38 -1.81 0.00	31.93 -1.82 0.00	30.32 -1.36 0.00	29.69 -1.40 0.00	31.93 -1.79 0.00	34.55 -1.99 -0.30	34.74 -1.92 -0.36	37.68 -1.86 0.00	43.07 -1.98 0.02	46.08 -2.08 0.31	50.77 -2.06 0.00	57.94 -2.57 0.63	66.50 -2.26 -0.22	69.83 -2.37 -4.51	89.50 -3.37 -4.07	90.75 -3.47 -5.28	97.09 -3.54 -7.37	82.67 -2.84 -1.96	55.86 -2.04 -1.16	49.41 -1.16 0.00	44.40 -1.07 -2.76	38.29 -1.19 -2.26	36.44 -0.87 -0.99
TEMPLE___115KV_TB 2 55572	37.24 -0.11 -0.72	36.43 -0.43 -0.67	33.97 -0.44 -0.65	31.64 -0.38 -0.33	31.00 -0.37 -0.28	33.90 -0.40 -0.59	36.66 -0.33 -0.74	36.81 -0.22 -0.71	40.35 -0.16 -0.97	46.25 -0.09 -1.27	49.60 0.00 -1.11	54.78 0.05 -1.90	62.96 0.12 -1.70	70.58 0.14 -1.90	72.03 0.07 -4.27	94.29 0.09 -5.40	94.86 0.09 -5.83	99.07 0.00 -5.80	86.20 0.00 -2.66	57.14 -0.17 -0.56	50.85 -0.05 -0.32	44.42 -0.13 -1.84	38.57 -0.19 -1.54	37.19 -0.18 -1.06
TIANA___69_KV_BK 1 55817	86.83 4.84 -45.36	62.95 4.27 -22.49	55.09 3.85 -17.50	50.15 3.45 -15.01	45.95 3.36 -11.50	49.98 3.64 -12.62	46.07 4.02 -5.81	51.41 4.58 -10.52	68.20 5.50 -23.17	86.68 6.22 -35.39	104.98 6.98 -49.52	128.12 7.71 -67.58	128.88 9.05 -58.69	157.38 10.76 -78.08	200.55 11.24 -121.63	250.92 14.56 -147.56	257.28 14.32 -154.02	302.01 14.74 -194.00	254.70 13.20 -157.95	238.10 8.91 -172.44	214.54 7.79 -156.17	147.45 6.15 -98.59	98.65 5.06 -56.36	98.56 4.54 -57.70
TILDEN___115KV_TB1 80814	37.34 -0.15 -0.85	36.63 -0.40 -0.83	34.12 -0.44 -0.81	31.72 -0.38 -0.41	31.07 -0.37 -0.35	34.01 -0.44 -0.73	36.81 -0.33 -0.89	36.94 -0.22 -0.84	40.54 -0.20 -1.20	46.56 -0.09 -1.57	49.98 0.00 -1.50	55.30 0.05 -2.42	63.64 0.18 -2.31	71.18 0.14 -2.49	72.76 0.07 -5.01	95.44 0.09 -6.55	96.08 0.18 -6.96	100.10 0.09 -6.74	86.79 0.08 -3.16	57.32 -0.11 -0.69	51.00 -0.05 -0.48	44.58 -0.13 -2.00	38.70 -0.19 -1.67	37.34 -0.18 -1.20
TRIGEN___CC 323695	85.73 3.74 -45.36	62.01 3.33 -22.49	54.28 3.04 -17.50	49.51 2.82 -15.01	45.33 2.74 -11.50	49.30 2.97 -12.62	45.31 3.26 -5.81	50.39 3.56 -10.52	66.82 4.11 -23.17	85.24 4.78 -35.39	97.80 5.33 -43.99	102.09 5.92 -43.34	103.66 7.03 -35.48	145.38 8.43 -68.41	206.85 8.93 -130.23	193.82 11.63 -93.39	232.47 11.47 -132.05	248.49 11.75 -143.47	154.35 10.36 -60.44	114.01 6.87 -50.40	107.91 5.61 -51.72	103.59 4.57 -56.31	97.44 3.87 -56.36	97.39 3.38 -57.69

TRINITY__115KV__4 BK 55933	41.14 1.58 -2.93	37.61 1.41 0.00	35.03 1.28 0.00	32.86 1.17 0.00	32.24 1.15 0.00	34.96 1.25 0.00	40.55 1.41 -2.89	41.10 1.42 -3.37	47.18 1.62 -6.02	46.97 1.89 0.00	50.52 2.04 0.00	54.83 2.01 0.00	57.32 2.32 6.14	58.09 2.74 13.20	79.68 2.71 -9.29	88.72 3.55 3.63	98.54 3.56 -6.04	123.35 3.82 -26.26	101.81 3.34 -14.93	78.26 2.27 -19.25	71.83 1.92 -19.33	64.39 1.54 -20.14	61.00 1.38 -22.40	47.46 1.31 -9.84
UNION__PROCESSING_DRP 323587	36.79 -0.11 -0.26	35.14 -1.05 0.00	32.67 -1.08 0.00	30.86 -0.82 0.00	30.25 -0.84 0.00	32.67 -1.05 0.00	35.52 -0.98 -0.25	35.78 -0.84 -0.30	38.67 -0.87 0.00	44.20 -0.86 0.02	47.47 -0.68 0.34	52.30 -0.53 0.00	59.67 -0.79 0.68	68.18 -0.55 -0.18	70.84 -0.61 -3.76	91.39 -0.80 -3.39	92.45 -0.89 -4.40	98.48 -0.93 -6.14	84.43 -0.75 -1.64	57.09 -0.62 -0.97	50.32 -0.25 0.00	44.80 -0.21 -2.30	38.74 -0.37 -1.89	36.93 -0.22 -0.83
UPPER HUDSON__HYD 24058	42.13 2.46 -3.03	38.58 2.39 0.00	35.88 2.13 0.00	33.62 1.93 0.00	32.99 1.90 0.00	35.88 2.16 0.00	41.77 2.54 -2.99	42.42 2.62 -3.49	52.18 3.12 -9.52	48.68 3.61 0.00	51.88 3.39 0.00	56.58 3.75 0.00	69.67 4.46 -4.07	84.98 4.04 -12.39	141.28 3.72 -69.87	164.87 5.06 -71.01	179.05 5.16 -84.95	206.22 6.25 -106.70	206.48 6.27 -116.67	161.29 4.26 -100.28	122.76 4.20 -67.99	79.19 3.29 -33.19	62.96 2.53 -23.21	48.83 2.33 -10.19
UPPER RAQUET__HYD 24056	34.28 -2.53 -0.16	34.30 -2.10 -0.21	32.06 -1.89 -0.20	29.98 -1.80 -0.10	29.41 -1.77 -0.09	32.08 -1.82 -0.18	34.53 -1.89 -0.17	34.65 -1.81 -0.16	37.38 -2.45 -0.30	42.36 -3.11 -0.39	39.06 -3.54 5.89	40.74 -4.02 8.07	48.39 -4.71 8.05	44.15 -5.83 18.56	42.04 -5.62 20.03	49.32 -7.73 31.75	49.34 -7.74 31.87	50.10 -7.93 35.24	68.17 -7.19 8.19	39.35 -4.48 12.91	38.52 -3.79 8.26	38.58 -2.95 1.18	34.90 -2.38 -0.07	34.28 -2.18 -0.15
VALLEY44_115KV_TB2 355964	35.57 -1.47 -0.40	34.38 -1.81 0.00	31.93 -1.82 0.00	30.26 -1.43 0.00	29.66 -1.43 0.00	32.00 -1.72 0.00	33.96 -2.68 -0.40	34.31 -2.47 -0.46	38.22 -1.70 -0.38	43.35 -1.71 0.02	45.36 -2.86 0.26	50.13 -2.69 0.00	57.68 -2.93 0.52	66.22 -2.60 -0.28	71.17 -2.37 -5.85	90.79 -3.29 -5.28	92.67 -3.11 -6.85	99.46 -3.36 -9.55	85.42 -2.92 -4.80	58.12 -2.38 -3.76	51.72 -0.81 -1.95	44.37 -1.92 -3.58	38.17 -1.97 -2.93	36.00 -1.60 -1.29
VALLEY__115KV_TB 1-4 80826	37.81 1.17 0.00	37.24 1.05 0.00	34.70 0.95 0.00	32.57 0.89 0.00	31.96 0.87 0.00	34.69 0.98 0.00	37.37 1.12 0.00	37.48 1.16 0.00	40.88 1.34 0.00	46.70 1.62 0.00	50.09 1.75 0.13	54.54 1.90 0.18	63.16 2.20 0.18	70.39 2.19 0.35	69.35 2.10 0.44	90.86 2.75 0.69	90.91 2.67 0.70	95.31 2.80 0.76	85.95 2.59 0.18	58.17 1.70 0.27	51.97 1.57 0.18	43.96 1.28 0.03	38.22 1.00 0.00	37.48 1.16 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	39.94 2.23 -1.07	38.46 2.06 -0.21	35.84 1.89 -0.20	33.59 1.81 -0.10	32.95 1.77 -0.09	35.78 1.89 -0.18	39.58 2.25 -1.09	39.82 2.29 -1.22	44.17 2.65 -1.98	48.66 3.20 -0.38	52.18 3.35 -0.35	60.03 5.55 -1.66	68.86 6.18 -1.55	76.33 5.55 -2.24	84.33 5.35 -11.29	107.51 7.01 -11.69	109.93 6.94 -14.05	118.39 7.55 -17.57	99.95 7.02 -9.39	67.75 4.48 -6.52	58.75 4.40 -3.78	52.15 3.37 -6.06	44.55 2.42 -4.92	41.89 3.12 -2.45
VISCHER__FERRY HYD 24020	41.77 2.16 -2.97	38.15 1.95 0.00	35.57 1.82 0.00	33.40 1.71 0.00	32.74 1.65 0.00	35.54 1.82 0.00	41.20 2.03 -2.93	41.80 2.07 -3.42	50.09 2.37 -8.18	47.83 2.75 0.00	51.34 2.86 0.00	55.89 3.06 0.00	72.76 3.61 -8.01	94.85 4.11 -22.19	163.35 3.99 -91.67	192.51 5.33 -98.39	207.91 5.43 -113.55	234.20 5.78 -135.15	225.57 5.27 -136.76	172.99 3.58 -112.67	124.50 3.14 -70.79	82.51 2.56 -37.24	62.09 2.16 -22.71	48.28 2.00 -9.97
V_A_10_SYNC_DSASP 323832	36.09 -0.84 -0.29	34.64 -1.56 0.00	31.79 -1.96 0.00	30.04 -1.65 0.00	29.47 -1.62 0.00	31.76 -1.96 0.00	34.57 -1.96 -0.29	34.58 -2.07 -0.33	37.40 -2.14 0.00	42.71 -2.35 0.02	45.92 -2.23 0.33	50.61 -2.22 0.00	57.78 -2.69 0.68	66.35 -2.40 -0.20	69.10 -2.84 -4.25	89.17 -3.46 -3.84	90.35 -3.56 -4.97	96.57 -3.64 -6.94	82.39 -3.00 -1.85	55.97 -1.87 -1.09	48.76 -1.82 0.00	43.73 -1.58 -2.60	38.04 -1.30 -2.13	36.27 -0.98 -0.93
V_CMM_10_SYNC_DSASP 323787	35.32 -1.32 0.00	35.25 -0.94 0.00	32.91 -0.84 0.00	30.86 -0.82 0.00	30.28 -0.81 0.00	32.91 -0.81 0.00	35.34 -0.90 0.00	35.34 -0.98 0.00	38.19 -1.34 0.00	43.36 -1.71 0.00	47.36 -1.99 -0.87	51.81 -2.22 -1.20	59.71 -2.63 -1.20	67.14 -3.15 -1.75	67.56 -2.98 -2.85	89.16 -4.17 -4.53	89.30 -4.18 -4.54	94.03 -4.20 -4.95	80.90 -3.84 -1.20	56.09 -2.44 -1.79	49.71 -2.02 -1.16	41.39 -1.50 -0.17	36.06 -1.15 0.00	35.26 -1.05 0.00
V_CMP_10_SYNC_DSASP 323788	35.54 -1.10 0.00	35.50 -0.69 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.14 -0.57 0.00	35.70 -0.54 0.00	35.84 -0.47 0.00	38.75 -0.79 0.00	43.23 -1.85 0.00	45.57 -2.91 0.00	49.50 -3.33 0.00	57.17 -3.97 0.00	62.93 -4.80 0.81	63.08 -4.60 0.00	82.49 -6.30 0.00	82.71 -6.23 0.00	87.02 -6.25 0.00	77.95 -5.60 0.00	53.45 -3.29 0.00	48.10 -2.48 0.00	41.60 -1.11 0.00	36.73 -0.48 0.00	35.73 -0.58 0.00
V_D_10_SYNC_DSASP 323841	35.21 -1.43 0.00	35.14 -1.05 0.00	32.84 -0.91 0.00	30.80 -0.89 0.00	30.22 -0.87 0.00	32.81 -0.91 0.00	35.27 -0.98 0.00	35.30 -1.02 0.00	38.03 -1.50 0.00	43.19 -1.89 0.00	47.73 -2.18 -1.43	52.32 -2.48 -1.98	60.18 -2.93 -1.98	68.40 -3.57 -3.43	68.99 -3.38 -4.69	91.55 -4.71 -7.46	91.60 -4.80 -7.47	96.57 -4.85 -8.15	81.01 -4.51 -1.98	56.96 -2.72 -2.94	50.21 -2.27 -1.91	41.33 -1.67 -0.29	35.95 -1.27 0.00	35.15 -1.16 0.00
V_E_10_SYNC_DSASP 323830	41.02 3.33 -1.04	39.64 2.97 -0.48	36.78 2.56 -0.47	34.39 2.47 -0.24	33.81 2.52 -0.20	36.87 2.73 -0.42	40.65 3.33 -1.07	40.90 3.45 -1.14	44.89 3.76 -1.59	50.49 4.51 -0.90	53.89 4.46 -0.95	60.16 5.49 -1.84	69.03 6.11 -1.77	76.28 5.35 -2.39	83.18 4.94 -10.55	106.83 6.84 -11.19	109.16 6.94 -13.27	117.37 7.84 -16.26	99.88 7.60 -8.73	67.75 5.11 -5.90	58.91 4.86 -3.48	51.94 3.71 -5.52	44.44 2.75 -4.47	42.13 3.52 -2.29
V_F_30_NSYNC__DSASP 323816	42.30 2.64 -3.02	38.69 2.50 0.00	36.01 2.26 0.00	33.78 2.09 0.00	33.11 2.02 0.00	35.98 2.26 0.00	41.76 2.54 -2.99	42.38 2.58 -3.48	51.90 3.00 -9.36	48.50 3.42 0.00	52.02 3.54 0.00	56.68 3.85 0.00	70.25 4.52 -4.58	87.00 4.80 -13.66	144.99 4.60 -72.70	169.48 6.12 -74.56	183.82 6.22 -88.66	210.74 7.09 -110.38	209.42 6.52 -119.36	163.15 4.43 -101.98	123.05 4.05 -68.43	79.66 3.24 -33.71	63.00 2.64 -23.14	48.91 2.43 -10.16
V_F_30_SYNC_DSASP 323786	41.31 1.72 -2.95	37.79 1.59 0.00	35.17 1.42 0.00	32.98 1.30 0.00	32.34 1.24 0.00	35.10 1.38 0.00	40.72 1.56 -2.92	41.31 1.60 -3.40	48.24 1.86 -6.84	47.24 2.16 0.00	50.81 2.33 0.00	55.20 2.38 0.00	63.89 2.75 0.00	73.86 3.15 -2.16	115.94 3.11 -45.15	133.62 4.08 -40.74	145.94 4.18 -52.82	171.43 4.48 -73.69	154.50 3.93 -67.02	118.35 2.61 -59.00	93.76 2.23 -40.96	72.13 1.79 -27.63	61.36 1.56 -22.58	47.68 1.45 -9.91

V_XM10_SYNC_DSASP 323789	35.54 -1.10 0.00	35.50 -0.69 0.00	33.18 -0.57 0.00	31.08 -0.60 0.00	30.50 -0.59 0.00	33.14 -0.57 0.00	35.70 -0.54 0.00	35.84 -0.47 0.00	38.75 -0.79 0.00	43.23 -1.85 0.00	45.57 -2.91 0.00	49.50 -3.33 0.00	57.17 -3.97 0.00	62.93 -4.80 0.81	63.08 -4.60 0.00	82.49 -6.30 0.00	82.71 -6.23 0.00	87.02 -6.25 0.00	77.95 -5.60 0.00	53.45 -3.29 0.00	48.10 -2.48 0.00	41.60 -1.11 0.00	36.73 -0.48 0.00	35.73 -0.58 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	41.82 3.00 -2.18	38.76 2.57 0.00	36.11 2.36 0.00	33.87 2.19 0.00	33.24 2.15 0.00	36.01 2.29 0.00	40.90 2.50 -2.16	41.62 2.80 -2.51	44.85 3.32 -1.99	48.95 3.88 0.00	52.85 4.36 0.00	57.74 4.91 0.00	67.98 5.87 -0.97	79.64 7.06 -4.03	114.11 7.45 -38.97	135.64 9.77 -37.07	145.00 9.69 -46.37	164.92 9.79 -61.86	127.87 8.61 -35.72	90.21 5.62 -27.84	69.78 4.55 -14.65	67.95 3.67 -21.56	56.98 3.09 -16.68	46.29 2.65 -7.32
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	42.37 3.44 -2.28	39.23 3.04 0.00	36.52 2.77 0.00	34.25 2.57 0.00	33.58 2.49 0.00	36.41 2.70 0.00	41.51 3.01 -2.26	42.33 3.38 -2.63	45.50 3.87 -2.09	49.54 4.46 0.00	53.48 4.99 0.00	58.43 5.60 0.00	68.83 6.60 -1.09	80.88 7.95 -4.39	117.36 8.46 -41.21	139.12 11.01 -39.31	148.87 10.85 -49.07	169.49 10.91 -65.31	131.16 9.69 -37.93	92.64 6.36 -29.54	71.17 5.06 -15.54	69.48 4.10 -22.67	58.19 3.50 -17.47	46.96 2.98 -7.67
W50THST__13_KV_LOAD 356117	42.59 3.66 -2.28	39.45 3.26 0.00	36.75 3.00 0.00	34.44 2.76 0.00	33.77 2.67 0.00	36.65 2.93 0.00	41.76 3.26 -2.26	42.62 3.67 -2.63	45.85 4.23 -2.09	49.99 4.91 0.00	53.91 5.43 0.00	58.90 6.08 0.00	69.38 7.15 -1.09	81.64 8.71 -4.39	118.04 9.14 -41.21	140.01 11.90 -39.31	149.76 11.74 -49.07	170.43 11.85 -65.31	131.91 10.44 -37.93	93.16 6.87 -29.54	71.52 5.41 -15.54	69.82 4.44 -22.67	58.41 3.72 -17.47	47.22 3.23 -7.67
WADING RIVER_IC_1 23522	86.32 4.32 -45.36	62.33 3.65 -22.49	54.65 3.41 -17.50	49.77 3.07 -15.01	45.58 2.99 -11.50	49.57 3.24 -12.62	45.64 3.59 -5.81	51.01 4.17 -10.52	67.65 4.94 -23.17	85.96 5.50 -35.39	104.09 6.11 -49.50	127.04 6.71 -67.51	127.65 7.89 -58.62	155.83 9.39 -77.90	198.89 9.81 -121.39	249.20 13.14 -147.26	255.47 12.62 -153.90	300.05 12.96 -193.82	252.98 11.78 -157.65	236.87 8.05 -172.07	213.42 6.98 -155.86	146.65 5.47 -98.47	98.32 4.58 -56.53	98.12 4.03 -57.77
WADING RIVER_IC_2 23547	86.32 4.32 -45.36	62.33 3.65 -22.49	54.65 3.41 -17.50	49.77 3.07 -15.01	45.58 2.99 -11.50	49.57 3.24 -12.62	45.64 3.59 -5.81	51.01 4.17 -10.52	67.65 4.94 -23.17	85.96 5.50 -35.39	104.09 6.11 -49.50	127.04 6.71 -67.51	127.65 7.89 -58.62	155.83 9.39 -77.90	198.89 9.81 -121.39	249.20 13.14 -147.26	255.47 12.62 -153.90	300.05 12.96 -193.82	252.98 11.78 -157.65	236.87 8.05 -172.07	213.42 6.98 -155.86	146.65 5.47 -98.47	98.32 4.58 -56.53	98.12 4.03 -57.77
WADING RIVER_IC_3 23601	86.32 4.32 -45.36	62.33 3.65 -22.49	54.65 3.41 -17.50	49.77 3.07 -15.01	45.58 2.99 -11.50	49.57 3.24 -12.62	45.64 3.59 -5.81	51.01 4.17 -10.52	67.65 4.94 -23.17	85.96 5.50 -35.39	104.09 6.11 -49.50	127.04 6.71 -67.51	127.65 7.89 -58.62	155.83 9.39 -77.90	198.89 9.81 -121.39	249.20 13.14 -147.26	255.47 12.62 -153.90	300.05 12.96 -193.82	252.98 11.78 -157.65	236.87 8.05 -172.07	213.42 6.98 -155.86	146.65 5.47 -98.47	98.32 4.58 -56.53	98.12 4.03 -57.77
WALDENNY_12_KV_BK2 80841	36.29 -0.70 -0.35	34.53 -1.66 0.00	32.06 -1.69 0.00	30.45 -1.24 0.00	29.82 -1.27 0.00	32.10 -1.62 0.00	34.60 -1.99 -0.35	34.80 -1.92 -0.41	38.33 -1.54 -0.33	43.48 -1.58 0.02	46.30 -1.89 0.29	51.08 -1.74 0.00	58.48 -2.08 0.59	67.22 -1.58 -0.25	71.22 -1.62 -5.16	90.97 -2.49 -4.66	92.40 -2.58 -6.04	98.89 -2.80 -8.42	83.62 -2.17 -2.24	56.37 -1.70 -1.33	49.87 -0.71 0.00	44.88 -0.98 -3.16	38.69 -1.12 -2.58	36.65 -0.80 -1.13
WALDEN__HYDRO 24148	41.72 2.89 -2.19	38.69 2.50 0.00	36.05 2.30 0.00	33.81 2.12 0.00	33.18 2.08 0.00	35.94 2.23 0.00	40.88 2.46 -2.17	41.49 2.65 -2.53	44.73 3.16 -2.04	48.73 3.65 0.00	52.55 4.07 0.00	57.37 4.54 0.00	67.27 5.44 -0.69	78.39 6.51 -3.34	112.03 6.84 -37.51	132.88 8.88 -35.20	142.35 8.98 -44.43	162.38 9.14 -59.97	125.53 8.02 -33.97	88.65 5.28 -26.63	69.12 4.40 -14.14	67.60 3.54 -21.34	56.83 2.83 -16.78	46.19 2.51 -7.37
WARRENSBURG____ 23737	42.13 2.46 -3.03	38.58 2.39 0.00	35.88 2.13 0.00	33.62 1.93 0.00	32.99 1.90 0.00	35.88 2.16 0.00	41.77 2.54 -2.99	42.42 2.62 -3.49	52.18 3.12 -9.52	48.68 3.61 0.00	51.88 3.39 0.00	56.58 3.75 0.00	69.67 4.46 -4.07	84.98 4.04 -12.39	141.28 3.72 -69.87	164.87 5.06 -71.01	179.05 5.16 -84.95	206.22 6.25 -106.70	206.48 6.27 -116.67	161.29 4.26 -100.28	122.76 4.20 -67.99	79.19 3.29 -33.19	62.96 2.53 -23.21	48.83 2.33 -10.19
WATERSIDE____6 8 9 23538	37.32 3.52 2.83	39.30 3.11 0.01	36.65 2.90 0.00	34.35 2.66 0.00	33.64 2.55 0.00	36.48 2.76 0.00	41.44 2.94 -2.26	42.29 3.34 -2.63	45.45 3.84 -2.08	49.22 4.15 0.00	49.76 4.75 3.47	55.85 5.28 2.26	67.07 6.18 0.25	80.27 7.33 -4.39	116.95 8.05 -41.21	138.49 10.39 -39.31	148.07 10.05 -49.07	168.65 10.07 -65.31	130.33 8.86 -37.93	92.13 5.84 -29.54	69.02 4.65 -13.80	70.15 3.80 -23.64	59.26 3.31 -18.73	46.85 2.87 -7.67
WATKINRD_115KV_LN8_ILLION 55919	37.52 0.88 0.00	36.99 0.80 0.00	34.46 0.71 0.00	32.35 0.67 0.00	31.75 0.65 0.00	34.42 0.71 0.00	37.08 0.83 0.00	37.15 0.84 0.00	40.53 0.99 0.00	46.25 1.17 0.00	49.61 1.26 0.13	54.02 1.37 0.18	62.55 1.59 0.18	69.84 1.65 0.35	68.81 1.56 0.44	90.14 2.04 0.69	90.29 2.05 0.70	94.75 2.24 0.76	85.37 2.01 0.18	57.78 1.31 0.27	51.61 1.21 0.18	43.67 0.98 0.03	38.00 0.78 0.00	37.15 0.84 0.00
WATSON__69_KV_BK 1 55734	87.02 5.02 -45.36	63.17 4.49 -22.49	55.30 4.05 -17.50	50.40 3.71 -15.01	46.20 3.61 -11.50	50.25 3.91 -12.62	46.36 4.31 -5.81	51.62 4.79 -10.52	68.32 5.61 -23.17	86.91 6.45 -35.39	102.30 6.98 -46.83	116.04 7.66 -55.55	117.36 9.05 -47.17	137.21 10.69 -57.97	178.23 10.90 -99.65	211.19 14.30 -108.10	241.55 14.23 -138.38	273.79 14.64 -165.87	206.14 13.03 -109.57	177.37 8.74 -111.88	179.17 7.49 -121.11	141.09 6.11 -92.28	98.79 5.21 -56.36	98.73 4.72 -57.70
WDELAWARE__HYD 323627	40.68 2.01 -2.02	37.71 1.52 0.00	35.23 1.48 0.00	33.05 1.36 0.00	32.43 1.34 0.00	35.13 1.42 0.00	39.84 1.59 -2.00	40.43 1.78 -2.34	43.70 2.17 -1.99	47.60 2.52 0.00	51.29 2.81 0.00	56.00 3.17 0.00	65.06 3.92 0.00	74.62 4.59 -1.48	103.52 4.88 -30.96	123.21 6.48 -27.93	131.83 6.67 -36.22	150.60 6.81 -50.53	116.88 6.02 -27.32	82.42 3.86 -21.82	65.74 3.19 -11.98	64.17 2.52 -18.95	54.52 1.82 -15.48	44.71 1.60 -6.80
WEST BABYLON__IC 23714	86.65 4.65 -45.36	62.84 4.16 -22.49	55.03 3.78 -17.50	50.15 3.45 -15.01	45.95 3.36 -11.50	49.98 3.64 -12.62	46.07 4.02 -5.81	51.26 4.43 -10.52	67.88 5.18 -23.17	86.41 5.95 -35.39	99.74 6.50 -44.76	106.38 7.24 -46.32	107.97 8.50 -38.33	125.41 10.01 -46.86	168.25 10.36 -90.21	183.75 13.59 -81.37	230.17 13.52 -127.71	252.40 13.99 -145.14	168.32 12.36 -72.41	130.41 8.28 -65.38	130.70 6.98 -73.15	117.50 5.77 -69.02	98.45 4.88 -56.36	98.44 4.43 -57.70

WEST CANADA___HYD 24049	37.08 0.44 0.00	36.56 0.36 0.00	34.09 0.34 0.00	32.00 0.32 0.00	31.40 0.31 0.00	34.05 0.34 0.00	36.64 0.40 0.00	36.71 0.40 0.00	40.01 0.48 0.00	45.66 0.58 0.00	48.98 0.63 0.13	53.33 0.68 0.18	61.75 0.79 0.18	69.08 0.89 0.35	68.06 0.82 0.44	89.17 1.07 0.69	89.32 1.07 0.70	93.64 1.12 0.76	84.37 1.01 0.18	57.16 0.68 0.27	51.01 0.61 0.18	43.15 0.47 0.03	37.59 0.37 0.00	36.71 0.40 0.00
WESTERN_NY_WIND 24143	36.90 -0.04 -0.30	34.96 -1.23 0.00	32.50 -1.25 0.00	30.83 -0.86 0.00	30.19 -0.90 0.00	32.54 -1.18 0.00	35.24 -1.30 -0.30	35.50 -1.16 -0.35	38.43 -1.11 0.00	43.93 -1.13 0.02	47.05 -1.12 0.32	51.82 -1.00 0.00	59.09 -1.41 0.64	67.73 -1.03 -0.21	70.96 -1.15 -4.42	91.19 -1.60 -3.99	92.43 -1.69 -5.18	98.81 -1.68 -7.22	84.30 -1.17 -1.92	56.97 -0.91 -1.14	50.42 -0.15 0.00	45.16 -0.26 -2.71	38.96 -0.48 -2.22	37.07 -0.22 -0.97
WESTOVER___LESR 323668	38.16 0.48 -1.05	36.79 0.14 -0.46	34.26 0.07 -0.44	32.07 0.16 -0.23	31.44 0.16 -0.19	34.25 0.13 -0.40	37.42 0.11 -1.06	37.59 0.15 -1.13	41.27 0.36 -1.37	46.48 0.54 -0.86	49.85 0.48 -0.88	55.22 0.85 -1.55	63.67 1.10 -1.43	71.99 1.30 -2.14	80.58 1.29 -11.60	102.27 1.60 -11.88	105.17 1.87 -14.36	113.36 1.96 -18.13	95.05 1.84 -9.67	64.62 1.08 -6.80	55.65 1.16 -3.91	49.75 0.73 -6.31	42.77 0.45 -5.11	39.34 0.51 -2.52
WETHRSFD_WT_PWR 323626	36.26 -0.77 -0.40	35.00 -1.19 0.00	32.13 -1.62 0.00	30.39 -1.30 0.00	29.85 -1.24 0.00	32.20 -1.52 0.00	34.82 -1.81 -0.39	35.07 -1.71 -0.46	38.57 -1.34 -0.38	43.71 -1.35 0.02	46.58 -1.65 0.25	51.29 -1.53 0.00	58.79 -1.83 0.51	67.31 -1.51 -0.28	71.51 -1.97 -5.79	91.53 -2.49 -5.22	93.13 -2.58 -6.77	100.01 -2.71 -9.45	86.29 -2.01 -4.75	59.21 -1.25 -3.72	51.69 -0.81 -1.93	45.10 -1.15 -3.54	39.16 -0.97 -2.91	36.86 -0.73 -1.28
WHAVSTOR_138KV_BK127 55557	41.64 2.82 -2.18	38.62 2.42 0.00	36.01 2.26 0.00	33.75 2.06 0.00	33.11 2.02 0.00	35.87 2.16 0.00	40.76 2.36 -2.16	41.48 2.65 -2.52	44.65 3.12 -1.99	48.73 3.65 0.00	52.60 4.12 0.00	57.42 4.60 0.00	67.62 5.50 -0.98	79.24 6.65 -4.04	113.77 7.04 -39.05	135.18 9.23 -37.15	144.56 9.16 -46.45	164.56 9.33 -61.97	127.53 8.19 -35.79	89.98 5.33 -27.90	69.61 4.35 -14.68	67.77 3.46 -21.60	56.86 2.94 -16.70	46.15 2.51 -7.33
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	41.64 2.82 -2.18	38.62 2.42 0.00	36.01 2.26 0.00	33.75 2.06 0.00	33.11 2.02 0.00	35.87 2.16 0.00	40.76 2.36 -2.16	41.48 2.65 -2.52	44.65 3.12 -1.99	48.73 3.65 0.00	52.60 4.12 0.00	57.42 4.60 0.00	67.62 5.50 -0.98	79.24 6.65 -4.04	113.77 7.04 -39.05	135.18 9.23 -37.15	144.56 9.16 -46.45	164.56 9.33 -61.97	127.53 8.19 -35.79	89.98 5.33 -27.90	69.61 4.35 -14.68	67.77 3.46 -21.60	56.86 2.94 -16.70	46.15 2.51 -7.33
WHITEHAL_115KV_TB1 80871	43.15 3.48 -3.03	39.56 3.37 0.00	36.69 2.94 0.00	34.38 2.69 0.00	33.70 2.61 0.00	36.72 3.00 0.00	42.79 3.55 -2.99	43.43 3.63 -3.49	53.26 4.27 -9.45	49.94 4.87 0.00	53.23 4.75 0.00	58.11 5.28 0.00	71.60 6.18 -4.28	87.43 5.96 -12.92	144.35 5.62 -71.05	168.83 7.55 -72.48	183.17 7.74 -86.49	210.83 9.33 -108.23	210.27 8.94 -117.78	163.69 5.96 -100.99	124.61 5.87 -68.17	80.68 4.57 -33.40	63.87 3.50 -23.16	49.71 3.23 -10.17
WHITEPLN_13_KV_LOAD 356215	42.65 3.74 -2.28	39.45 3.26 0.00	36.72 2.97 0.00	34.41 2.72 0.00	33.74 2.64 0.00	36.62 2.90 0.00	41.72 3.23 -2.25	42.50 3.56 -2.63	45.81 4.19 -2.08	49.94 4.87 0.00	53.96 5.48 0.00	59.01 6.18 0.00	69.56 7.34 -1.08	82.10 9.18 -4.37	118.60 9.81 -41.10	140.78 12.79 -39.20	150.68 12.81 -48.93	171.64 13.24 -65.12	132.89 11.53 -37.82	93.75 7.55 -29.46	72.19 6.12 -15.49	70.27 4.95 -22.61	58.78 4.13 -17.43	47.34 3.38 -7.65
WM_FLOYD_69_KV_BK2 356380	86.69 4.69 -45.36	62.84 4.16 -22.49	54.99 3.75 -17.50	50.08 3.39 -15.01	45.89 3.30 -11.50	49.91 3.57 -12.62	46.00 3.95 -5.81	51.33 4.50 -10.52	68.00 5.30 -23.17	86.41 5.95 -35.39	104.64 6.55 -49.61	127.95 7.13 -67.99	128.60 8.38 -59.08	157.52 9.94 -79.04	200.89 10.36 -122.85	251.42 13.50 -149.13	256.92 13.34 -154.64	302.00 13.71 -195.02	255.51 12.36 -159.61	239.65 8.40 -174.51	215.64 7.23 -157.84	147.73 5.81 -99.21	98.46 4.88 -56.37	98.41 4.39 -57.70
WOODARD__115KV_TB2 355635	37.35 -0.18 -0.89	36.65 -0.43 -0.89	34.15 -0.47 -0.87	31.71 -0.41 -0.44	31.09 -0.37 -0.37	34.06 -0.44 -0.78	36.81 -0.36 -0.93	36.94 -0.25 -0.88	40.59 -0.24 -1.29	46.58 -0.18 -1.69	50.02 -0.10 -1.64	55.37 -0.05 -2.60	63.67 0.00 -2.53	71.14 -0.07 -2.66	72.60 -0.14 -5.05	95.37 -0.18 -6.75	95.96 -0.09 -7.10	99.79 -0.19 -6.71	86.63 -0.17 -3.25	57.18 -0.23 -0.66	50.94 -0.15 -0.51	44.45 -0.21 -1.95	38.59 -0.26 -1.63	37.32 -0.22 -1.22
YORK___WARBASSE 23770	78.51 3.77 -38.10	39.58 3.33 -0.06	36.86 3.11 -0.01	34.55 2.85 -0.01	33.87 2.77 -0.01	36.72 3.00 -0.01	41.66 3.15 -2.27	42.51 3.56 -2.63	45.75 4.07 -2.14	49.49 4.42 0.00	77.98 5.14 -24.36	77.93 5.71 -19.40	78.27 6.66 -10.46	80.75 7.81 -4.39	117.42 8.46 -41.27	139.18 11.01 -39.37	148.60 10.58 -49.07	169.21 10.63 -65.31	130.91 9.44 -37.93	92.53 6.24 -29.54	74.60 4.96 -19.07	74.43 4.10 -27.62	74.10 3.61 -33.27	47.11 3.12 -7.67