

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$		--- Marginal Cost of Losses										--- Marginal Cost of Congestion										02/13/2025		
Generator Data																								
Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	80.59	65.53	70.33	74.10	70.75	72.30	160.82	170.92	124.47	119.24	163.92	124.48	109.82	78.35	78.04	56.73	72.83	82.63	101.51	127.12	71.36	70.99	81.64	75.90
24138	2.57	2.51	2.89	2.93	2.83	3.75	9.04	10.40	7.16	6.94	10.86	3.85	4.79	3.91	5.24	3.69	3.73	4.37	5.34	7.22	3.60	3.95	4.25	3.75
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.86	-44.23	-24.06	-2.42	-4.45	-10.26	-11.92	-11.09	-4.01	-12.00	-3.22	0.00	-3.39
74TH STREET_GT_1	80.61	65.58	70.41	74.18	70.84	72.38	161.09	170.99	124.45	119.15	163.81	124.44	109.75	78.28	77.97	56.69	72.78	82.59	101.46	127.05	71.35	70.98	81.64	75.91
24260	2.59	2.56	2.96	3.00	2.92	3.83	9.31	10.47	7.14	6.85	10.75	3.80	4.72	3.84	5.17	3.65	3.67	4.33	5.29	7.14	3.59	3.94	4.25	3.76
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
74TH STREET_GT_2	80.61	65.58	70.41	74.18	70.84	72.38	161.09	170.99	124.45	119.15	163.81	124.44	109.75	78.28	77.97	56.69	72.78	82.59	101.46	127.05	71.35	70.98	81.64	75.91
24261	2.59	2.56	2.96	3.00	2.92	3.83	9.31	10.47	7.14	6.85	10.75	3.80	4.72	3.84	5.17	3.65	3.67	4.33	5.29	7.14	3.59	3.94	4.25	3.76
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
ADK HUDSON___FALLS	241.97	252.97	216.57	220.46	225.99	151.93	175.47	175.52	134.67	226.03	169.55	144.63	123.16	97.79	103.47	101.26	174.77	200.95	212.63	170.07	189.91	104.47	84.48	111.33
24011	4.17	4.26	5.12	5.35	5.04	5.93	14.30	15.01	11.03	10.25	15.18	5.22	6.57	5.29	7.14	4.93	5.76	6.66	8.44	11.19	5.32	6.07	7.09	6.16
	-195.09	-204.90	-158.91	-158.82	-168.75	-85.41	-10.36	0.00	-6.98	-114.11	-6.33	-90.64	-55.80	-42.13	-25.95	-47.74	-110.18	-127.96	-119.11	-42.99	-128.83	-34.58	0.00	-36.41
ADK RESOURCE___RCVRY	243.40	254.58	217.95	221.84	227.46	152.99	176.67	176.71	135.67	227.60	170.94	145.29	123.96	98.46	104.34	102.02	175.97	202.32	214.16	171.35	191.10	105.21	85.10	112.00
23798	4.55	4.64	5.54	5.77	5.49	6.48	15.43	16.19	11.99	11.13	16.57	5.81	7.33	5.85	7.86	5.40	6.30	7.26	9.26	12.20	5.74	6.60	7.72	6.61
	-196.14	-206.14	-159.86	-159.78	-169.76	-85.92	-10.43	0.00	-7.02	-114.80	-6.34	-90.70	-55.84	-42.23	-26.10	-48.02	-110.84	-128.72	-119.82	-43.24	-129.60	-34.79	0.00	-36.63
ADK S GLENS___FALLS	241.97	252.97	216.57	220.46	225.99	151.93	175.47	175.52	134.67	226.03	169.55	144.63	123.16	97.79	103.47	101.26	174.77	200.95	212.63	170.07	189.91	104.47	84.48	111.33
24028	4.17	4.26	5.12	5.35	5.04	5.93	14.30	15.01	11.03	10.25	15.18	5.22	6.57	5.29	7.14	4.93	5.76	6.66	8.44	11.19	5.32	6.07	7.09	6.16
	-195.09	-204.90	-158.91	-158.82	-168.75	-85.41	-10.36	0.00	-6.98	-114.11	-6.33	-90.64	-55.80	-42.13	-25.95	-47.74	-110.18	-127.96	-119.11	-42.99	-128.83	-34.58	0.00	-36.41
ADK_NYS___DAM	188.59	190.18	167.42	171.28	173.99	124.48	167.27	169.79	128.12	188.31	164.18	139.86	119.29	91.46	93.96	85.78	140.17	160.70	174.32	153.80	149.72	92.40	82.57	99.00
23527	3.13	3.23	3.87	4.03	3.76	4.15	9.21	9.26	6.58	6.83	10.03	3.67	4.68	3.99	5.43	3.80	4.28	4.87	5.94	7.84	3.86	4.39	5.19	4.78
	-142.75	-143.14	-111.01	-110.96	-118.02	-59.74	-7.25	0.00	-4.88	-79.82	-6.11	-87.43	-53.82	-37.10	-18.15	-33.39	-77.06	-89.49	-83.30	-30.06	-90.10	-24.19	0.00	-25.47
AIR_PRODUCTS___DRP	153.96	148.83	134.79	138.57	139.22	105.81	160.59	164.65	123.47	162.48	158.65	138.14	116.88	86.84	85.83	74.31	116.15	132.59	147.25	140.46	122.51	83.16	79.51	89.48
24190	1.52	1.59	2.03	2.10	1.82	2.10	4.55	4.13	3.28	3.19	4.48	1.68	2.11	1.88	2.35	1.61	1.69	1.65	2.04	2.85	1.70	1.88	2.12	2.34
	-109.73	-103.43	-80.22	-80.17	-85.20	-43.12	-5.23	0.00	-3.52	-57.62	-6.13	-87.69	-53.98	-34.59	-13.10	-24.10	-55.63	-64.61	-60.14	-21.70	-65.05	-17.46	0.00	-18.38
AKWESSNE_115KV_BK	42.55	43.68	52.26	56.24	52.19	60.51	151.39	161.16	116.94	101.20	147.28	48.27	60.16	49.69	69.79	48.11	58.60	66.06	84.99	115.74	55.62	63.72	77.76	69.12
355683	-0.16	-0.12	-0.28	-0.06	-0.01	-0.08	0.58	0.64	0.28	-0.46	-0.76	-0.50	-0.63	-0.68	-0.59	-0.48	-0.23	-0.28	-0.09	-0.16	-0.14	-0.10	0.37	0.37
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	139.47	131.97	122.88	126.92	126.42	101.44	168.17	173.59	130.27	157.76	166.80	137.21	117.33	85.94	85.88	71.28	108.49	123.17	138.89	140.96	111.80	82.24	82.71	88.72
323833	4.21	4.38	5.36	5.69	5.21	5.92	13.12	13.07	10.76	9.43	12.85	3.79	4.42	3.23	4.89	3.17	4.61	4.82	5.57	7.64	3.86	4.41	5.32	5.22
	-92.55	-83.78	-64.98	-64.94	-69.01	-34.93	-4.24	0.00	-2.85	-46.66	-5.91	-84.65	-52.11	-32.34	-10.61	-19.52	-45.05	-52.02	-48.25	-17.41	-52.19	-14.01	0.00	-14.75
ALBANY_2_SOLAR	139.47	131.97	122.88	126.92	126.42	101.44	168.17	173.59	130.27	157.76	166.80	137.20	117.32	85.94	85.88	71.28	108.49	123.16	138.87	140.94	111.80	82.23	82.69	88.70
323834	4.21	4.38	5.36	5.69	5.21	5.92	13.12	13.07	10.76	9.43	12.85	3.78	4.42	3.22	4.89	3.17	4.60	4.81	5.55	7.63	3.86	4.40	5.30	5.20
	-92.55	-83.78	-64.98	-64.94	-69.01	-34.93	-4.24	0.00	-2.85	-46.66	-5.91	-84.65	-52.11	-32.34	-10.61	-19.52	-45.05	-52.01	-48.24	-17.41	-52.18	-14.01	0.00	-14.75
ALBANY___1	153.96	148.83	134.79	138.57	139.22	105.81	160.59	164.65	123.47	162.48	158.65	138.14	116.88	86.84	85.83	74.31	116.15	132.59	147.25	140.46	122.51	83.16	79.51	89.48
23571	1.52	1.59	2.03	2.10	1.82	2.10	4.55	4.13	3.28	3.19	4.48	1.68	2.11	1.88	2.35	1.61	1.69	1.65	2.04	2.85	1.70	1.88	2.12	2.34
	-109.73	-103.43	-80.22	-80.17	-85.20	-43.12	-5.23	0.00	-3.52	-57.62	-6.13	-87.69	-53.98	-34.59	-13.10	-24.10	-55.63	-64.61	-60.14	-21.70	-65.05	-17.46	0.00	-18.38



ALBANY___2 23572	153.96 1.52 -109.73	148.83 1.59 -103.43	134.79 2.03 -80.22	138.57 2.10 -80.17	139.22 1.82 -85.20	105.81 2.10 -43.12	160.59 4.55 -5.23	164.65 4.13 0.00	123.47 3.28 -3.52	162.48 3.19 -57.62	158.65 4.48 -6.13	138.14 1.68 -87.69	116.88 2.11 -53.98	86.84 1.88 -34.59	85.83 2.35 -13.10	74.31 1.61 -24.10	116.15 1.69 -55.63	132.59 1.65 -64.61	147.25 2.04 -60.14	140.46 2.85 -21.70	122.51 1.70 -65.05	83.16 1.88 -17.46	79.51 2.12 0.00	89.48 2.34 -18.38
ALBANY___3 23573	153.96 1.52 -109.73	148.83 1.59 -103.43	134.79 2.03 -80.22	138.57 2.10 -80.17	139.22 1.82 -85.20	105.81 2.10 -43.12	160.59 4.55 -5.23	164.65 4.13 0.00	123.47 3.28 -3.52	162.48 3.19 -57.62	158.65 4.48 -6.13	138.14 1.68 -87.69	116.88 2.11 -53.98	86.84 1.88 -34.59	85.83 2.35 -13.10	74.31 1.61 -24.10	116.15 1.69 -55.63	132.59 1.65 -64.61	147.25 2.04 -60.14	140.46 2.85 -21.70	122.51 1.70 -65.05	83.16 1.88 -17.46	79.51 2.12 0.00	89.48 2.34 -18.38
ALBANY___4 23574	153.96 1.52 -109.73	148.83 1.59 -103.43	134.79 2.03 -80.22	138.57 2.10 -80.17	139.22 1.82 -85.20	105.81 2.10 -43.12	160.59 4.55 -5.23	164.65 4.13 0.00	123.47 3.28 -3.52	162.48 3.19 -57.62	158.65 4.48 -6.13	138.14 1.68 -87.69	116.88 2.11 -53.98	86.84 1.88 -34.59	85.83 2.35 -13.10	74.31 1.61 -24.10	116.15 1.69 -55.63	132.59 1.65 -64.61	147.25 2.04 -60.14	140.46 2.85 -21.70	122.51 1.70 -65.05	83.16 1.88 -17.46	79.51 2.12 0.00	89.48 2.34 -18.38
ALBANY___LFGE 323615	180.00 1.89 -135.40	179.74 1.98 -133.95	158.88 2.45 -103.89	162.68 2.55 -103.83	164.78 2.25 -110.33	119.05 2.62 -55.85	163.53 5.94 -6.78	166.25 5.73 0.00	125.65 4.43 -4.56	180.50 4.21 -74.61	160.28 6.06 -6.18	139.50 2.20 -88.53	118.06 2.77 -54.50	89.60 2.39 -36.84	90.44 3.10 -16.97	81.95 2.14 -31.21	133.21 2.34 -72.04	152.47 2.47 -83.66	166.00 3.05 -77.88	148.20 4.19 -28.11	142.28 2.29 -84.23	88.97 2.54 -22.61	80.26 2.88 0.00	95.48 2.92 -23.81
ALCOA_PA_115KV_PL-6C 55860	42.97 0.26 0.00	43.93 0.12 0.00	52.42 -0.12 0.00	56.43 0.14 0.00	52.36 0.16 0.00	60.71 0.12 0.00	152.21 1.40 0.00	161.82 1.30 0.00	117.74 1.09 0.00	101.87 0.21 0.00	148.44 0.39 0.00	48.66 -0.11 0.00	60.55 -0.24 0.00	49.95 -0.43 0.00	70.16 -0.22 0.00	48.29 -0.30 0.00	58.82 -0.01 0.00	66.26 -0.08 0.00	85.23 0.15 0.00	116.06 0.16 0.00	55.77 0.01 0.00	63.94 0.12 0.00	78.08 0.70 0.00	69.33 0.57 0.00
ALCOA_RYNLDS___DRP 24188	42.97 0.26 0.00	43.93 0.12 0.00	52.42 -0.12 0.00	56.43 0.14 0.00	52.36 0.16 0.00	60.71 0.12 0.00	152.21 1.40 0.00	161.82 1.30 0.00	117.74 1.09 0.00	101.87 0.21 0.00	148.44 0.39 0.00	48.66 -0.11 0.00	60.55 -0.24 0.00	49.95 -0.43 0.00	70.16 -0.22 0.00	48.29 -0.30 0.00	58.82 -0.01 0.00	66.26 -0.08 0.00	85.23 0.15 0.00	116.06 0.16 0.00	55.77 0.01 0.00	63.94 0.12 0.00	78.08 0.70 0.00	69.33 0.57 0.00
ALCOA___DSASP 323711	42.97 0.26 0.00	43.93 0.12 0.00	52.42 -0.12 0.00	56.43 0.14 0.00	52.36 0.16 0.00	60.71 0.12 0.00	152.21 1.40 0.00	161.82 1.30 0.00	117.75 1.10 0.00	101.92 0.25 0.00	148.44 0.40 0.00	48.66 -0.11 0.00	60.55 -0.24 0.00	49.95 -0.43 0.00	70.16 -0.22 0.00	48.29 -0.30 0.00	58.82 -0.01 0.00	66.25 -0.08 0.00	85.23 0.16 0.00	116.07 0.17 0.00	55.77 0.01 0.00	63.94 0.12 0.00	78.08 0.70 0.00	69.32 0.57 0.00
ALLEGHENY___COGEN 23514	39.09 -2.08 1.54	41.77 -2.03 0.00	49.87 -2.67 0.00	53.37 -2.93 0.00	49.77 -2.43 0.00	58.10 -2.49 0.00	144.09 -6.72 0.00	152.55 -7.97 0.00	108.97 -6.59 1.10	76.44 -7.06 18.17	136.29 -11.34 0.41	59.14 -3.45 -13.83	65.11 -4.20 -8.51	51.91 -2.86 -4.40	65.51 -4.87 0.00	45.07 -3.52 0.00	54.81 -4.02 0.00	62.11 -3.61 0.62	77.73 -4.23 3.12	97.57 -5.56 12.77	53.19 -2.57 0.00	61.55 -2.27 0.00	76.25 -1.13 0.00	67.30 -1.45 0.00
ALTAMONT_115KV_TB 2 55880	134.33 1.58 -90.05	125.28 1.64 -79.83	116.47 2.01 -61.92	120.24 2.07 -61.88	119.82 1.86 -65.75	96.04 2.18 -33.28	159.68 4.83 -4.04	165.42 4.90 0.00	122.97 3.60 -2.72	149.67 3.54 -44.47	159.40 5.24 -6.12	138.26 1.89 -87.61	117.10 2.37 -53.93	85.38 1.99 -33.02	83.12 2.63 -10.11	69.03 1.83 -18.60	103.74 1.97 -42.93	118.46 2.25 -49.86	134.25 2.76 -46.42	136.41 3.76 -16.75	107.92 1.95 -50.21	79.47 2.17 -13.48	79.83 2.44 0.00	85.26 2.31 -14.19
ALTONA_WT_PWR 323606	42.41 -0.30 0.00	43.26 -0.55 0.00	51.88 -0.67 0.00	56.15 -0.15 0.00	52.50 0.30 0.00	60.55 -0.04 0.00	150.89 0.08 0.00	161.01 0.49 0.00	117.94 1.28 0.00	102.28 0.62 0.00	148.22 0.18 0.00	48.43 -0.34 0.00	60.05 -0.74 0.00	49.22 -1.16 0.00	69.04 -1.35 0.00	25.66 -1.46 21.47	-23.21 -1.50 80.55	-17.30 -1.61 82.03	-23.70 -1.80 106.97	14.39 -2.66 98.85	42.38 -1.35 12.02	22.70 -1.54 39.58	-8.30 -1.44 84.25	36.38 -1.15 31.23
AMERICAN_REF_FUEL 24010	38.22 -4.82 -0.33	39.33 -4.48 0.00	47.16 -5.38 0.00	50.51 -5.78 0.00	47.05 -5.14 0.00	54.79 -5.79 0.00	134.01 -16.80 0.00	140.70 -19.82 0.00	101.32 -14.71 0.62	77.56 -13.78 10.33	126.60 -21.53 -0.09	54.19 -7.02 -12.43	59.97 -8.47 -7.65	47.98 -6.35 -3.96	61.09 -9.29 0.00	42.08 -6.52 0.00	50.73 -8.10 0.00	56.03 -9.61 0.70	70.69 -12.20 2.19	92.33 -16.24 7.33	48.06 -7.70 0.00	55.57 -8.25 0.00	68.52 -8.86 0.00	60.80 -7.95 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	38.88 -3.95 -0.12	40.44 -3.37 0.00	48.60 -3.95 0.00	52.24 -4.06 0.00	48.31 -3.89 0.00	56.11 -4.48 0.00	138.09 -12.72 0.00	145.86 -14.66 0.00	104.22 -11.70 0.74	77.97 -11.49 12.20	130.42 -17.64 -0.02	56.89 -5.46 -13.57	62.59 -6.55 -8.36	50.03 -4.68 -4.34	63.21 -7.17 0.00	43.24 -5.36 0.00	52.54 -6.29 0.00	58.26 -7.43 0.65	73.37 -9.31 2.40	95.33 -11.83 8.74	50.76 -5.00 0.00	58.89 -4.93 0.00	71.11 -6.27 0.00	62.00 -6.75 0.00
ARTHUR KILL_GT_1 23520	80.74 2.67 -35.37	66.86 2.66 -20.39	70.40 2.96 -14.90	74.17 2.99 -14.88	70.84 2.92 -15.72	72.47 3.92 -7.96	161.00 9.22 -0.97	170.59 10.07 0.00	123.92 6.62 -0.65	118.81 6.50 -10.64	162.86 9.79 -5.02	124.05 3.40 -71.88	109.27 4.22 -44.26	78.88 3.62 -24.88	78.07 4.76 -2.92	65.02 3.55 -12.88	72.41 3.31 -10.26	81.88 3.89 -11.64	100.18 4.74 -10.36	142.75 6.72 -20.12	71.84 3.50 -12.58	72.25 3.79 -4.63	81.44 4.01 -0.05	75.70 3.55 -3.39
ARTHUR_KILL_2 23512	80.62 2.54 -35.37	66.72 2.53 -20.39	70.25 2.81 -14.90	74.02 2.84 -14.88	70.70 2.77 -15.72	72.28 3.74 -7.96	160.53 8.75 -0.97	170.07 9.55 0.00	123.54 6.23 -0.65	118.48 6.17 -10.64	162.42 9.35 -5.02	123.92 3.27 -71.88	109.10 4.05 -44.26	78.73 3.47 -24.88	77.85 4.55 -2.92	64.87 3.40 -12.88	72.23 3.13 -10.26	81.65 3.67 -11.64	99.90 4.46 -10.36	142.33 6.31 -20.12	71.66 3.32 -12.58	72.04 3.59 -4.63	81.19 3.76 -0.05	75.49 3.35 -3.39
ARTHUR_KILL_3 23513	80.13 2.06 -35.37	66.22 2.00 -20.40	69.43 2.28 -14.61	68.48 2.27 -9.91	70.17 2.25 -15.72	68.50 3.05 -4.86	121.67 7.21 36.35	120.03 8.22 48.71	106.73 5.47 15.40	115.84 5.41 -8.76	154.86 8.61 1.79	118.40 3.07 -66.56	108.60 3.82 -43.98	78.20 3.08 -24.74	70.68 4.10 3.81	64.52 2.91 -13.02	67.99 2.76 -6.39	79.66 3.34 -9.98	95.95 4.02 -6.86	119.14 5.42 2.18	70.98 2.75 -12.46	71.43 2.98 -4.63	66.14 3.10 14.34	66.49 2.77 5.04



ARTHUR_KILL_COGEN 323718	80.74 2.67 -35.37	66.86 2.66 -20.39	70.40 2.96 -14.90	74.17 2.99 -14.88	70.84 2.92 -15.72	72.47 3.92 -7.96	161.00 9.22 -0.97	170.59 10.07 0.00	123.92 6.62 -0.65	118.81 6.50 -10.64	162.86 9.79 -5.02	124.05 3.40 -71.88	109.27 4.22 -44.26	78.88 3.62 -24.88	78.07 4.76 -2.92	65.02 3.55 -12.88	72.41 3.31 -10.26	81.88 3.89 -11.64	100.18 4.74 -10.36	142.75 6.72 -20.12	71.84 3.50 -12.58	72.25 3.79 -4.63	81.44 4.01 -0.05	75.70 3.55 -3.39
ASHOKAN____ 23654	117.63 3.29 -71.63	107.27 3.30 -60.16	103.16 3.96 -46.66	107.09 4.16 -46.63	105.59 3.87 -49.52	90.52 4.86 -25.07	165.48 11.62 -3.04	172.97 12.45 0.00	128.53 9.82 -2.05	143.45 8.31 -33.48	166.42 12.79 -5.59	132.65 3.89 -79.99	114.66 4.63 -49.24	83.27 3.58 -29.32	82.82 4.82 -7.62	65.92 3.32 -14.01	95.23 4.07 -32.33	108.71 4.89 -37.48	126.06 6.13 -34.85	137.12 8.65 -12.58	97.64 4.18 -37.70	78.91 4.97 -10.12	83.32 5.94 0.00	84.51 5.10 -10.65
ASTORIA_EAST_ENERGY_CC1 323581	80.28 2.26 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.69 2.51 -14.88	70.40 2.47 -15.72	71.86 3.32 -7.96	160.25 8.48 -0.97	169.85 9.33 0.00	123.13 5.82 -0.65	118.10 5.80 -10.63	162.73 9.67 -5.02	124.05 3.41 -71.87	109.25 4.22 -44.24	77.84 3.40 -24.07	77.43 4.63 -2.42	56.35 3.31 -4.45	72.26 3.16 -10.26	82.04 3.78 -11.92	100.76 4.59 -11.10	126.12 6.22 -4.01	71.01 3.25 -12.00	70.51 3.47 -3.22	81.07 3.69 0.00	75.48 3.33 -3.39
ASTORIA_EAST_ENERGY_CC2 323582	80.29 2.27 -35.31	65.24 2.22 -19.21	69.98 2.54 -14.90	73.69 2.51 -14.88	70.41 2.48 -15.72	71.87 3.32 -7.96	160.21 8.43 -0.97	169.78 9.26 0.00	123.11 5.80 -0.65	118.10 5.80 -10.63	162.73 9.67 -5.02	124.05 3.41 -71.87	109.25 4.22 -44.24	77.84 3.40 -24.07	77.43 4.63 -2.42	56.35 3.31 -4.45	72.26 3.16 -10.26	82.04 3.78 -11.92	100.76 4.59 -11.10	126.12 6.22 -4.01	71.01 3.25 -12.00	70.51 3.47 -3.22	81.07 3.69 0.00	75.48 3.33 -3.39
ASTORIA_GT2_1 24094	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT2_2 24095	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT2_3 24096	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT2_4 24097	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT3_1 24098	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT3_2 24099	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT3_3 24100	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT3_4 24101	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT4_1 24102	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT4_2 24103	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT4_3 24104	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39



ASTORIA_GT4_4 24105	80.31 2.28 -35.31	65.26 2.24 -19.21	70.00 2.56 -14.90	73.74 2.56 -14.88	70.44 2.52 -15.72	71.90 3.36 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.15 5.84 -0.65	118.18 5.87 -10.63	162.79 9.73 -5.02	124.09 3.45 -71.87	109.27 4.24 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.37 3.33 -4.45	72.29 3.19 -10.26	82.11 3.85 -11.92	100.80 4.62 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA_GT_1 23523	80.38 2.36 -35.31	65.34 2.32 -19.21	70.10 2.66 -14.90	73.82 2.65 -14.88	70.53 2.61 -15.72	72.02 3.48 -7.96	160.61 8.83 -0.97	170.21 9.69 0.00	123.43 6.12 -0.65	118.41 6.10 -10.63	163.10 10.04 -5.02	124.20 3.55 -71.87	109.42 4.38 -44.24	77.99 3.55 -24.07	77.63 4.83 -2.42	56.48 3.44 -4.45	72.43 3.33 -10.26	82.24 3.98 -11.92	101.01 4.84 -11.10	126.46 6.55 -4.01	71.16 3.40 -12.00	70.68 3.64 -3.22	81.29 3.90 0.00	75.64 3.50 -3.39
ASTORIA_GT_10 24110	80.42 2.40 -35.31	65.39 2.37 -19.21	70.15 2.71 -14.90	73.91 2.73 -14.88	70.60 2.67 -15.72	72.06 3.51 -7.96	160.36 8.59 -0.97	170.17 9.65 0.00	123.78 6.47 -0.65	118.67 6.36 -10.63	163.13 10.06 -5.02	124.21 3.57 -71.87	109.46 4.42 -44.24	78.02 3.57 -24.07	77.59 4.79 -2.42	56.43 3.39 -4.45	72.40 3.30 -10.26	82.19 3.92 -11.92	100.92 4.75 -11.10	126.36 6.46 -4.01	71.01 3.25 -12.00	70.57 3.53 -3.22	81.15 3.76 0.00	75.55 3.41 -3.39
ASTORIA_GT_11 24225	80.42 2.40 -35.31	65.39 2.37 -19.21	70.15 2.71 -14.90	73.91 2.73 -14.88	70.60 2.67 -15.72	72.06 3.51 -7.96	160.36 8.59 -0.97	170.17 9.65 0.00	123.78 6.47 -0.65	118.67 6.36 -10.63	163.13 10.06 -5.02	124.21 3.57 -71.87	109.46 4.42 -44.24	78.02 3.57 -24.07	77.59 4.79 -2.42	56.43 3.39 -4.45	72.40 3.30 -10.26	82.19 3.92 -11.92	100.92 4.75 -11.10	126.36 6.46 -4.01	71.01 3.25 -12.00	70.57 3.53 -3.22	81.15 3.76 0.00	75.55 3.41 -3.39
ASTORIA_GT_12 24226	80.42 2.40 -35.31	65.39 2.37 -19.21	70.15 2.71 -14.90	73.91 2.73 -14.88	70.60 2.67 -15.72	72.06 3.51 -7.96	160.36 8.59 -0.97	170.17 9.65 0.00	123.78 6.47 -0.65	118.67 6.36 -10.63	163.13 10.06 -5.02	124.21 3.57 -71.87	109.46 4.42 -44.24	78.02 3.57 -24.07	77.59 4.79 -2.42	56.43 3.39 -4.45	72.40 3.30 -10.26	82.19 3.92 -11.92	100.92 4.75 -11.10	126.36 6.46 -4.01	71.01 3.25 -12.00	70.57 3.53 -3.22	81.15 3.76 0.00	75.55 3.41 -3.39
ASTORIA_GT_13 24227	80.42 2.40 -35.31	65.39 2.37 -19.21	70.15 2.71 -14.90	73.91 2.73 -14.88	70.60 2.67 -15.72	72.06 3.51 -7.96	160.36 8.59 -0.97	170.17 9.65 0.00	123.78 6.47 -0.65	118.67 6.36 -10.63	163.13 10.06 -5.02	124.21 3.57 -71.87	109.46 4.42 -44.24	78.02 3.57 -24.07	77.59 4.79 -2.42	56.43 3.39 -4.45	72.40 3.30 -10.26	82.19 3.92 -11.92	100.92 4.75 -11.10	126.36 6.46 -4.01	71.01 3.25 -12.00	70.57 3.53 -3.22	81.15 3.76 0.00	75.55 3.41 -3.39
ASTORIA_GT_5 24106	80.38 2.35 -35.31	65.35 2.32 -19.21	70.10 2.66 -14.90	73.84 2.66 -14.88	70.53 2.61 -15.72	72.02 3.48 -7.96	160.61 8.84 -0.97	170.22 9.70 0.00	123.45 6.14 -0.65	118.41 6.11 -10.63	163.10 10.04 -5.02	124.20 3.55 -71.87	109.41 4.38 -44.24	77.99 3.55 -24.07	77.64 4.83 -2.42	56.48 3.44 -4.45	72.43 3.33 -10.26	82.24 3.98 -11.92	101.00 4.82 -11.10	126.46 6.56 -4.01	71.17 3.41 -12.00	70.68 3.64 -3.22	81.28 3.90 0.00	75.64 3.50 -3.39
ASTORIA_GT_7 24107	80.38 2.35 -35.31	65.35 2.32 -19.21	70.10 2.66 -14.90	73.84 2.66 -14.88	70.53 2.61 -15.72	72.02 3.48 -7.96	160.61 8.84 -0.97	170.22 9.70 0.00	123.45 6.14 -0.65	118.41 6.11 -10.63	163.10 10.04 -5.02	124.20 3.55 -71.87	109.41 4.38 -44.24	77.99 3.55 -24.07	77.64 4.83 -2.42	56.48 3.44 -4.45	72.43 3.33 -10.26	82.24 3.98 -11.92	101.00 4.82 -11.10	126.46 6.56 -4.01	71.17 3.41 -12.00	70.68 3.64 -3.22	81.28 3.90 0.00	75.64 3.50 -3.39
ASTORIA_GT_8 24108	80.38 2.35 -35.31	65.35 2.32 -19.21	70.10 2.66 -14.90	73.84 2.66 -14.88	70.53 2.61 -15.72	72.02 3.48 -7.96	160.61 8.84 -0.97	170.22 9.70 0.00	123.45 6.14 -0.65	118.41 6.11 -10.63	163.10 10.04 -5.02	124.20 3.55 -71.87	109.41 4.38 -44.24	77.99 3.55 -24.07	77.64 4.83 -2.42	56.48 3.44 -4.45	72.43 3.33 -10.26	82.24 3.98 -11.92	101.00 4.82 -11.10	126.46 6.56 -4.01	71.17 3.41 -12.00	70.68 3.64 -3.22	81.28 3.90 0.00	75.64 3.50 -3.39
ASTORIA___2 24149	80.30 2.28 -35.31	65.25 2.23 -19.21	70.00 2.55 -14.90	73.73 2.55 -14.88	70.44 2.52 -15.72	71.90 3.35 -7.96	160.31 8.53 -0.97	169.85 9.33 0.00	123.14 5.83 -0.65	118.16 5.86 -10.63	162.78 9.72 -5.02	124.09 3.45 -71.87	109.27 4.23 -44.24	77.87 3.43 -24.07	77.48 4.68 -2.42	56.38 3.34 -4.45	72.29 3.19 -10.26	82.10 3.84 -11.92	100.79 4.61 -11.10	126.22 6.31 -4.01	71.05 3.28 -12.00	70.54 3.50 -3.22	81.13 3.74 0.00	75.51 3.36 -3.39
ASTORIA___3 23516	80.42 2.40 -35.31	65.39 2.36 -19.21	70.15 2.71 -14.90	73.91 2.73 -14.88	70.59 2.66 -15.72	72.06 3.51 -7.96	160.36 8.58 -0.97	170.16 9.64 0.00	123.77 6.46 -0.65	118.64 6.34 -10.63	163.12 10.05 -5.02	124.20 3.56 -71.87	109.46 4.42 -44.24	78.01 3.57 -24.07	77.59 4.79 -2.42	56.43 3.39 -4.45	72.40 3.29 -10.26	82.18 3.92 -11.92	100.91 4.74 -11.10	126.34 6.43 -4.01	71.01 3.25 -12.00	70.57 3.53 -3.22	81.14 3.76 0.00	75.55 3.40 -3.39
ASTORIA___4 23517	80.42 2.40 -35.31	65.39 2.37 -19.21	70.15 2.71 -14.90	73.91 2.73 -14.88	70.60 2.67 -15.72	72.06 3.51 -7.96	160.36 8.59 -0.97	170.17 9.65 0.00	123.78 6.47 -0.65	118.67 6.36 -10.63	163.11 10.05 -5.02	124.21 3.57 -71.87	109.46 4.42 -44.24	78.02 3.57 -24.07	77.59 4.79 -2.42	56.43 3.39 -4.45	72.40 3.30 -10.26	82.19 3.92 -11.92	100.92 4.75 -11.10	126.36 6.46 -4.01	71.01 3.25 -12.00	70.57 3.53 -3.22	81.15 3.76 0.00	75.55 3.41 -3.39
ASTORIA___5 23518	80.42 2.40 -35.31	65.39 2.36 -19.21	70.15 2.71 -14.90	73.91 2.73 -14.88	70.59 2.66 -15.72	72.06 3.51 -7.96	160.36 8.58 -0.97	170.17 9.65 0.00	123.77 6.46 -0.65	118.64 6.34 -10.63	163.13 10.06 -5.02	124.20 3.56 -71.87	109.46 4.42 -44.24	78.01 3.57 -24.07	77.59 4.79 -2.42	56.43 3.39 -4.45	72.40 3.29 -10.26	82.18 3.92 -11.92	100.91 4.74 -11.10	126.34 6.43 -4.01	71.01 3.25 -12.00	70.57 3.53 -3.22	81.14 3.76 0.00	75.55 3.40 -3.39
AST_ENERGY_2_CC3 323677	80.14 2.12 -35.31	65.11 2.08 -19.21	69.83 2.39 -14.90	73.57 2.39 -14.88	70.28 2.36 -15.72	71.72 3.17 -7.96	159.38 7.61 -0.97	169.21 8.69 0.00	123.12 5.82 -0.65	117.88 5.58 -10.63	162.12 9.05 -5.02	123.88 3.24 -71.87	109.04 4.00 -44.24	77.71 3.27 -24.07	77.15 4.35 -2.42	56.16 3.12 -4.45	72.10 3.00 -10.26	81.81 3.55 -11.92	100.44 4.27 -11.10	125.68 5.78 -4.01	70.72 2.96 -12.00	70.27 3.23 -3.22	80.76 3.38 0.00	75.15 3.01 -3.39
AST_ENERGY_2_CC4 323678	80.14 2.12 -35.31	65.11 2.08 -19.21	69.83 2.39 -14.90	73.57 2.39 -14.88	70.28 2.36 -15.72	71.72 3.17 -7.96	159.38 7.61 -0.97	169.21 8.69 0.00	123.12 5.82 -0.65	117.88 5.58 -10.63	162.12 9.05 -5.02	123.88 3.24 -71.87	109.04 4.00 -44.24	77.71 3.27 -24.07	77.15 4.35 -2.42	56.16 3.12 -4.45	72.10 3.00 -10.26	81.81 3.55 -11.92	100.44 4.27 -11.10	125.68 5.78 -4.01	70.72 2.96 -12.00	70.27 3.23 -3.22	80.76 3.38 0.00	75.15 3.01 -3.39



ATHENS_STG_1 23668	77.77 1.67 -33.39	60.20 1.72 -14.68	66.00 2.08 -11.38	69.78 2.11 -11.37	66.17 1.93 -12.04	68.94 2.26 -6.10	156.68 5.13 -0.74	165.95 5.43 0.00	120.96 3.81 -0.50	113.69 3.87 -8.15	159.52 5.97 -5.50	129.75 2.17 -78.81	112.04 2.73 -48.52	78.60 2.25 -25.98	75.22 2.98 -1.85	54.11 2.10 -3.41	68.87 2.18 -7.86	78.00 2.53 -9.13	96.65 3.08 -8.50	123.16 4.20 -3.07	67.10 2.15 -9.19	68.66 2.37 -2.47	80.00 2.62 0.00	73.71 2.36 -2.60
ATHENS_STG_2 23670	77.77 1.67 -33.39	60.20 1.72 -14.68	66.00 2.08 -11.38	69.78 2.11 -11.37	66.17 1.93 -12.04	68.94 2.26 -6.10	156.68 5.13 -0.74	165.95 5.43 0.00	120.96 3.81 -0.50	113.69 3.87 -8.15	159.52 5.97 -5.50	129.75 2.17 -78.81	112.04 2.73 -48.52	78.60 2.25 -25.98	75.22 2.98 -1.85	54.11 2.10 -3.41	68.87 2.18 -7.86	78.00 2.53 -9.13	96.65 3.08 -8.50	123.16 4.20 -3.07	67.10 2.15 -9.19	68.66 2.37 -2.47	80.00 2.62 0.00	73.71 2.36 -2.60
ATHENS_STG_3 23677	77.77 1.67 -33.39	60.20 1.72 -14.68	66.00 2.08 -11.38	69.78 2.11 -11.37	66.17 1.93 -12.04	68.94 2.26 -6.10	156.68 5.13 -0.74	165.95 5.43 0.00	120.96 3.81 -0.50	113.69 3.87 -8.15	159.52 5.97 -5.50	129.75 2.17 -78.81	112.04 2.73 -48.52	78.60 2.25 -25.98	75.22 2.98 -1.85	54.11 2.10 -3.41	68.87 2.18 -7.86	78.00 2.53 -9.13	96.65 3.08 -8.50	123.16 4.20 -3.07	67.10 2.15 -9.19	68.66 2.37 -2.47	80.00 2.62 0.00	73.71 2.36 -2.60
AUBURN___LFGE 323710	45.96 -0.76 -4.01	43.11 -0.70 0.00	51.71 -0.83 0.00	55.27 -1.03 0.00	51.55 -0.65 0.00	59.93 -0.66 0.00	148.74 -2.07 0.00	158.14 -2.38 0.00	115.08 -1.82 -0.25	104.02 -1.73 -4.08	146.50 -2.59 -1.05	58.54 -0.77 -10.54	66.32 -0.96 -6.49	53.16 -0.56 -3.35	69.29 -1.09 0.00	47.82 -0.77 0.00	57.77 -1.07 0.00	65.15 -0.88 0.31	84.01 -1.24 -0.18	117.10 -1.67 -2.87	55.01 -0.74 0.00	63.01 -0.81 0.00	76.34 -1.05 0.00	67.56 -1.19 0.00
BABYLON_RES_REC 323704	81.05 3.04 -35.30	65.93 2.92 -19.21	70.76 3.32 -14.90	74.50 3.33 -14.88	71.20 3.28 -15.72	72.97 4.43 -7.96	162.38 10.61 -0.97	172.36 11.84 0.00	125.69 8.38 -0.65	120.43 8.13 -10.63	166.01 12.74 -5.23	124.91 4.29 -71.85	110.22 5.20 -44.23	81.25 4.43 -26.45	80.02 6.03 -3.60	59.73 4.37 -6.77	73.51 4.41 -10.26	83.46 5.20 -11.92	102.90 6.73 -11.09	128.90 8.99 -4.01	72.11 4.35 -12.00	71.84 4.79 -3.22	89.85 5.68 -6.79	88.56 4.95 -14.86
BABYLON__69_KV_BK2 356345	81.53 3.51 -35.30	66.39 3.38 -19.21	71.31 3.87 -14.90	75.10 3.93 -14.88	71.75 3.83 -15.72	73.63 5.09 -7.96	163.97 12.20 -0.97	173.92 13.40 0.00	126.97 9.67 -0.65	121.61 9.31 -10.63	167.70 14.42 -5.23	125.42 4.81 -71.85	110.86 5.84 -44.23	81.82 5.00 -26.44	80.78 6.79 -3.60	60.30 4.93 -6.77	74.21 5.11 -10.26	84.25 5.99 -11.92	103.96 7.79 -11.09	130.34 10.43 -4.01	72.78 5.03 -12.00	72.57 5.53 -3.22	90.76 6.58 -6.79	89.30 5.68 -14.86
BALL_HILL_WT_PWR 323825	39.24 -3.58 -0.11	40.55 -3.25 0.00	48.66 -3.89 0.00	52.21 -4.09 0.00	48.50 -3.70 0.00	56.36 -4.23 0.00	138.51 -12.30 0.00	146.15 -14.37 0.00	104.94 -11.00 0.72	79.03 -10.76 11.87	131.68 -16.39 -0.02	56.85 -5.11 -13.20	62.77 -6.14 -8.12	50.18 -4.43 -4.23	63.62 -6.77 0.00	43.69 -4.91 0.00	52.88 -5.95 0.00	58.67 -7.01 0.66	73.75 -8.95 2.38	95.80 -11.55 8.55	50.48 -5.27 0.00	58.50 -5.32 0.00	71.37 -6.01 0.00	62.82 -5.93 0.00
BARON_WINDS___WT_PWR 323822	43.15 -2.60 -3.04	47.02 -2.61 -5.81	53.73 -3.32 -4.51	57.10 -3.71 -4.51	53.88 -3.10 -4.78	59.41 -3.60 -2.42	141.28 -9.83 -0.29	149.03 -11.49 0.00	106.71 -8.80 1.14	73.70 -9.05 18.92	136.91 -10.65 0.48	62.59 -3.28 -17.10	67.37 -3.95 -10.53	53.19 -2.99 -5.81	65.87 -5.25 -0.74	46.16 -3.79 -1.35	57.49 -4.47 -3.13	64.55 -4.91 -3.12	78.77 -6.15 0.15	93.91 -7.64 14.35	55.78 -3.63 -3.65	61.08 -3.73 -0.98	72.57 -4.82 0.00	64.85 -4.94 -1.03
BARRETT_IC_1 23704	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_10 23701	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_11 23702	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_12 23703	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_2 23705	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_3 23706	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_4 23707	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86



BARRETT_IC_5 23708	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_6 23709	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_7 23710	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.52 -14.90	73.69 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.91 8.13 -0.97	169.64 9.12 0.00	123.70 6.39 -0.65	118.66 6.36 -10.63	163.21 9.93 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.49 3.68 -26.44	78.94 4.96 -3.60	58.93 3.57 -6.77	72.47 3.37 -10.26	82.17 3.91 -11.92	101.15 4.99 -11.09	126.59 6.68 -4.01	71.05 3.29 -12.00	70.66 3.62 -3.22	88.38 4.21 -6.79	87.55 3.93 -14.86
BARRETT_IC_8 23711	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT_IC_9 23700	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT___1 23545	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BARRETT___2 23546	80.35 2.34 -35.30	65.25 2.24 -19.21	69.96 2.53 -14.90	73.70 2.52 -14.88	70.40 2.47 -15.72	71.96 3.41 -7.96	159.90 8.13 -0.97	169.64 9.12 0.00	123.68 6.37 -0.65	118.65 6.35 -10.63	163.21 9.94 -5.23	124.16 3.54 -71.85	109.35 4.33 -44.23	80.48 3.66 -26.45	78.94 4.96 -3.60	58.93 3.56 -6.77	72.46 3.36 -10.26	82.17 3.91 -11.92	101.15 4.98 -11.09	126.58 6.67 -4.01	71.04 3.28 -12.00	70.66 3.62 -3.22	88.38 4.20 -6.79	87.55 3.93 -14.86
BATAVIA__115KV_TB1 55881	40.38 -2.83 -0.50	41.28 -2.53 0.00	49.47 -3.07 0.00	52.99 -3.30 0.00	49.40 -2.80 0.00	57.63 -2.96 0.00	141.90 -8.91 0.00	149.83 -10.69 0.00	108.03 -8.10 0.53	84.68 -8.12 8.86	134.94 -13.25 -0.15	56.19 -4.20 -11.61	63.17 -4.77 -7.15	50.75 -3.32 -3.70	65.12 -5.26 0.00	44.83 -3.77 0.00	54.34 -4.49 0.00	60.45 -5.17 0.72	76.52 -6.51 2.04	100.93 -8.58 6.39	51.67 -4.09 0.00	59.50 -4.32 0.00	72.88 -4.51 0.00	64.48 -4.27 0.00
BAYONEEC___CTG1 323682	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG10 323750	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG2 323683	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG3 323684	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG4 323685	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG5 323686	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG6 323687	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39



BAYONEEC___CTG7 323688	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG8 323689	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BAYONEEC___CTG9 323749	80.26 2.24 -35.31	65.23 2.21 -19.21	69.97 2.53 -14.90	73.72 2.54 -14.88	70.41 2.48 -15.72	71.86 3.31 -7.96	159.65 7.87 -0.97	169.51 8.99 0.00	123.33 6.02 -0.65	118.18 5.88 -10.63	162.35 9.29 -5.02	123.95 3.32 -71.87	109.15 4.11 -44.24	77.78 3.34 -24.07	77.28 4.48 -2.42	56.24 3.20 -4.45	72.18 3.08 -10.26	81.31 3.67 -11.30	99.19 4.43 -9.69	124.48 6.00 -2.57	70.80 3.04 -12.00	70.40 3.36 -3.22	80.91 3.53 0.00	75.28 3.14 -3.39
BEACON___LESR 323632	156.88 2.21 -111.96	152.20 2.26 -106.13	137.67 2.82 -82.31	141.45 2.89 -82.26	142.25 2.62 -87.43	107.86 3.02 -44.25	163.18 7.00 -5.37	167.29 6.77 0.00	125.59 5.32 -3.62	165.79 4.99 -59.13	161.21 7.05 -6.12	138.96 2.58 -87.61	117.85 3.12 -53.93	87.81 2.70 -34.74	87.15 3.32 -13.44	75.64 2.32 -24.73	118.56 2.64 -57.09	135.61 2.97 -66.30	150.58 3.80 -61.71	143.40 5.23 -22.27	125.18 2.68 -66.75	84.83 3.10 -17.92	80.85 3.47 0.00	91.02 3.40 -18.86
BEAVER RIVER___HYD 24048	43.72 0.14 -0.87	44.15 0.34 0.00	53.42 0.88 0.00	56.96 0.66 0.00	52.78 0.57 0.00	60.74 0.16 0.00	152.86 2.05 0.00	161.36 0.84 0.00	116.99 0.33 0.00	101.46 -0.20 0.00	148.13 -0.13 -0.23	52.14 0.15 -3.22	62.78 0.00 -1.98	51.32 -0.07 -1.02	72.77 2.39 0.00	50.26 1.67 0.00	60.94 2.11 0.00	67.98 1.71 0.07	85.58 0.59 0.09	116.57 0.67 0.00	56.07 0.31 0.00	63.64 -0.18 0.00	77.32 -0.06 0.00	68.51 -0.24 0.00
BEEBEE_GT_13 23619	40.94 -2.56 -0.79	41.45 -2.36 0.00	49.72 -2.82 0.00	53.23 -3.07 0.00	49.55 -2.65 0.00	57.70 -2.89 0.00	142.78 -8.03 0.00	151.11 -9.40 0.00	109.12 -7.13 0.41	87.94 -6.94 6.78	137.43 -10.82 -0.21	55.65 -3.40 -10.28	63.05 -4.07 -6.33	50.65 -2.99 -3.27	65.86 -4.52 0.00	45.39 -3.21 0.00	54.93 -3.91 0.00	61.03 -4.55 0.76	77.44 -5.84 1.79	103.29 -7.81 4.80	52.03 -3.73 0.00	59.83 -3.99 0.00	73.02 -4.37 0.00	64.69 -4.06 0.00
BENSHRST_27_KV_BENSHRST_1 355998	81.00 2.91 -35.37	67.07 2.87 -20.39	70.71 3.27 -14.90	74.50 3.31 -14.88	71.13 3.20 -15.72	72.75 4.20 -7.96	161.99 10.21 -0.97	171.88 11.36 0.00	124.97 7.67 -0.65	119.78 7.47 -10.64	164.58 11.52 -5.02	124.70 4.05 -71.88	110.06 5.01 -44.26	79.42 4.17 -24.88	78.87 5.57 -2.92	65.49 4.01 -12.88	73.07 3.97 -10.26	85.86 4.69 -14.83	112.30 5.76 -21.46	143.95 7.93 -20.12	72.35 4.02 -12.58	72.84 4.39 -4.63	82.17 4.74 -0.05	76.32 4.18 -3.39
BETHLEHEM___GRP 23843	153.96 1.52 -109.73	148.83 1.59 -103.43	134.79 2.03 -80.22	138.57 2.10 -80.17	139.22 1.82 -85.20	105.81 2.10 -43.12	160.59 4.55 -5.23	164.65 4.13 0.00	123.47 3.28 -3.52	162.48 3.19 -57.62	158.65 4.48 -6.13	138.14 1.68 -87.69	116.88 2.11 -53.98	86.84 1.88 -34.59	85.83 2.35 -13.10	74.31 1.61 -24.10	116.15 1.69 -55.63	132.59 1.65 -64.61	147.25 2.04 -60.14	140.46 2.85 -21.70	122.51 1.70 -65.05	83.16 1.88 -17.46	79.51 2.12 0.00	89.48 2.34 -18.38
BETHLEHEM___GS1 323560	153.97 1.52 -109.73	148.83 1.59 -103.43	134.79 2.03 -80.22	138.57 2.10 -80.17	139.22 1.82 -85.20	105.81 2.10 -43.12	160.59 4.55 -5.23	164.66 4.14 0.00	123.48 3.29 -3.52	162.46 3.18 -57.62	158.65 4.49 -6.13	138.14 1.68 -87.69	116.88 2.10 -53.98	86.84 1.88 -34.59	85.83 2.35 -13.10	74.31 1.62 -24.10	116.15 1.68 -55.63	132.60 1.66 -64.61	147.23 2.02 -60.14	140.44 2.83 -21.70	122.51 1.70 -65.05	83.16 1.88 -17.46	79.51 2.13 0.00	89.48 2.34 -18.38
BETHLEHEM___GS2 323561	153.97 1.52 -109.73	148.83 1.59 -103.43	134.79 2.03 -80.22	138.57 2.10 -80.17	139.22 1.82 -85.20	105.81 2.10 -43.12	160.59 4.55 -5.23	164.66 4.14 0.00	123.48 3.29 -3.52	162.46 3.18 -57.62	158.65 4.49 -6.13	138.14 1.68 -87.69	116.88 2.10 -53.98	86.84 1.88 -34.59	85.83 2.35 -13.10	74.31 1.62 -24.10	116.15 1.68 -55.63	132.60 1.66 -64.61	147.23 2.02 -60.14	140.44 2.83 -21.70	122.51 1.70 -65.05	83.16 1.88 -17.46	79.51 2.13 0.00	89.48 2.34 -18.38
BETHLEHEM___GS3 323562	153.97 1.52 -109.73	148.83 1.59 -103.43	134.79 2.03 -80.22	138.57 2.10 -80.17	139.22 1.82 -85.20	105.81 2.10 -43.12	160.59 4.55 -5.23	164.66 4.14 0.00	123.48 3.29 -3.52	162.46 3.18 -57.62	158.65 4.49 -6.13	138.14 1.68 -87.69	116.88 2.10 -53.98	86.84 1.88 -34.59	85.83 2.35 -13.10	74.31 1.62 -24.10	116.15 1.68 -55.63	132.60 1.66 -64.61	147.23 2.02 -60.14	140.44 2.83 -21.70	122.51 1.70 -65.05	83.16 1.88 -17.46	79.51 2.13 0.00	89.48 2.34 -18.38
BETHLEHEM___STEEL 23779	39.57 -3.29 -0.15	40.75 -3.06 0.00	48.84 -3.70 0.00	52.29 -4.00 0.00	48.76 -3.44 0.00	56.74 -3.85 0.00	139.43 -11.38 0.00	146.86 -13.66 0.00	105.77 -10.18 0.71	80.08 -9.86 11.73	132.87 -15.21 -0.03	57.12 -4.83 -13.18	63.07 -5.84 -8.11	50.33 -4.24 -4.20	63.87 -6.51 0.00	43.94 -4.65 0.00	53.08 -5.75 0.00	58.84 -6.83 0.67	74.02 -8.71 2.34	96.27 -11.30 8.33	50.48 -5.28 0.00	58.37 -5.45 0.00	71.50 -5.89 0.00	63.21 -5.54 0.00
BETHLHEM_115KV_TB1 79974	149.25 1.51 -105.04	143.21 1.58 -97.82	130.41 2.01 -75.86	134.18 2.06 -75.82	134.59 1.80 -80.58	103.47 2.09 -40.79	160.29 4.53 -4.95	164.70 4.18 0.00	123.26 3.27 -3.33	159.35 3.19 -54.49	158.74 4.58 -6.12	138.08 1.69 -87.62	116.87 2.14 -53.94	86.45 1.88 -34.20	85.14 2.37 -12.39	73.03 1.64 -22.80	113.15 1.70 -52.61	129.19 1.75 -61.10	144.09 2.14 -56.88	139.42 3.00 -20.53	119.00 1.72 -61.52	82.25 1.92 -16.51	79.52 2.14 0.00	88.44 2.30 -17.39
BETHPAGE_CC_5 323564	80.57 2.56 -35.30	65.45 2.44 -19.21	70.23 2.79 -14.90	73.95 2.78 -14.88	70.65 2.73 -15.72	72.32 3.78 -7.96	160.72 8.95 -0.97	170.54 10.02 0.00	124.44 7.13 -0.65	119.31 7.01 -10.63	164.29 11.02 -5.23	124.38 3.77 -71.85	109.58 4.56 -44.23	80.71 3.89 -26.45	79.27 5.28 -3.60	59.19 3.83 -6.77	72.83 3.73 -10.26	82.68 4.42 -11.92	101.90 5.73 -11.09	127.59 7.69 -4.01	71.49 3.73 -12.00	71.11 4.07 -3.22	88.93 4.75 -6.79	87.83 4.22 -14.86
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	39.77 -3.08 -0.14	40.95 -2.86 0.00	49.08 -3.46 0.00	52.55 -3.74 0.00	49.00 -3.20 0.00	57.02 -3.57 0.00	140.22 -10.59 0.00	147.84 -12.68 0.00	106.47 -9.47 0.72	80.65 -9.14 11.87	133.86 -14.21 -0.03	57.53 -4.57 -13.33	63.51 -5.49 -8.21	50.66 -3.96 -4.25	64.27 -6.11 0.00	44.24 -4.36 0.00	53.45 -5.39 0.00	59.26 -6.41 0.66	74.54 -8.18 2.36	96.91 -10.57 8.42	50.86 -4.90 0.00	58.82 -5.00 0.00	72.01 -5.37 0.00	63.68 -5.07 0.00



BINGHAMTON___COGEN 23790	54.38 -0.56 -12.23	52.25 -0.51 -8.95	58.95 -0.53 -6.94	62.52 -0.71 -6.94	59.03 -0.53 -7.36	63.68 -0.63 -3.72	149.24 -2.02 -0.45	158.27 -2.25 0.00	114.79 -1.81 0.05	99.16 -1.61 0.90	147.30 -1.98 -1.24	72.30 -0.54 -24.08	75.01 -0.61 -14.82	58.18 -0.42 -8.23	70.58 -0.93 -1.13	49.95 -0.73 -2.08	62.77 -0.86 -4.80	70.64 -0.98 -5.28	87.77 -1.38 -4.07	111.99 -1.68 2.24	60.55 -0.82 -5.61	64.54 -0.79 -1.51	76.35 -1.04 0.00	69.23 -1.11 -1.59
BIXINCNT_115KV_LOAD 355685	38.91 -3.93 -0.13	39.97 -3.84 0.00	48.04 -4.50 0.00	51.48 -4.81 0.00	48.08 -4.12 0.00	56.14 -4.45 0.00	138.75 -12.06 0.00	147.23 -13.29 0.00	106.34 -9.56 0.76	80.89 -8.22 12.56	134.02 -14.05 -0.03	57.68 -5.08 -13.99	63.09 -6.31 -8.61	50.36 -4.77 -4.76	64.22 -6.75 -0.59	45.06 -4.63 -1.09	55.54 -5.82 -2.53	61.72 -6.92 -2.29	77.31 -8.09 -0.32	97.29 -10.74 7.87	54.17 -4.55 -2.95	60.85 -3.77 -0.79	73.51 -3.88 0.00	65.45 -4.14 -0.83
BLACK RIVER___HYD 24047	43.92 -0.01 -1.22	43.93 0.12 0.00	53.15 0.61 0.00	56.93 0.63 0.00	53.01 0.81 0.00	60.59 0.00 0.00	152.71 1.90 0.00	162.20 1.68 0.00	117.37 0.71 0.00	101.79 0.12 0.00	148.58 0.22 -0.32	53.69 0.38 -4.54	63.73 0.15 -2.79	51.82 0.00 -1.44	73.19 2.81 0.00	50.84 2.25 0.00	61.59 2.76 0.00	68.26 1.92 0.00	86.19 1.12 0.00	117.32 1.42 0.00	56.34 0.58 0.00	63.99 0.16 0.00	77.56 0.18 0.00	68.49 -0.26 0.00
BLACKRVR_115KV_TB2 79977	43.92 -0.01 -1.22	43.93 0.12 0.00	53.15 0.61 0.00	56.93 0.64 0.00	53.02 0.81 0.00	60.59 0.00 0.00	152.71 1.90 0.00	162.20 1.68 0.00	117.37 0.71 0.00	101.80 0.13 0.00	148.56 0.20 -0.32	53.69 0.38 -4.54	63.73 0.15 -2.79	51.81 0.00 -1.44	73.19 2.81 0.00	50.84 2.24 0.00	61.59 2.76 0.00	68.25 1.92 0.00	86.19 1.12 0.00	117.32 1.42 0.00	56.34 0.58 0.00	63.98 0.16 0.00	77.56 0.18 0.00	68.49 -0.27 0.00
BLISS_WT_PWR 323608	38.40 -4.44 -0.13	39.44 -4.36 0.00	47.38 -5.16 0.00	50.81 -5.49 0.00	47.45 -4.75 0.00	55.48 -5.11 0.00	137.37 -13.44 0.00	145.93 -14.59 0.00	105.53 -10.36 0.76	80.32 -8.79 12.56	133.01 -15.06 -0.03	57.19 -5.57 -13.99	62.42 -6.99 -8.61	49.78 -5.35 -4.76	63.54 -7.44 -0.59	44.63 -5.06 -1.09	55.02 -6.35 -2.53	61.13 -7.50 -2.29	76.75 -8.65 -0.32	96.41 -11.63 7.87	53.88 -4.83 -2.95	60.71 -3.90 -0.79	73.38 -4.01 0.00	65.21 -4.38 -0.83
BLUESTONE___WT_PWR 323821	64.08 -0.94 -22.31	59.23 -0.92 -16.34	64.13 -1.09 -12.67	68.25 -0.71 -12.67	65.34 -0.30 -13.44	67.22 -0.17 -6.80	151.61 -0.03 -0.83	160.80 0.29 0.00	118.54 0.96 -0.93	119.26 2.40 -15.19	153.46 3.15 -2.26	75.10 0.52 -25.81	77.54 0.86 -15.89	60.37 0.74 -9.25	72.02 -0.43 -2.07	51.32 -1.07 -3.80	66.54 -1.06 -8.77	75.22 -1.06 -9.94	93.78 -1.31 -10.01	121.88 -1.75 -7.72	65.02 -0.99 -10.25	65.27 -1.31 -2.75	75.61 -1.78 0.00	69.74 -1.92 -2.90
BLUE_CIRC_CHEM_DRP 24182	139.47 4.20 -92.55	131.97 4.38 -83.78	122.88 5.36 -64.98	126.93 5.69 -64.94	126.42 5.21 -69.01	101.43 5.92 -34.93	168.17 13.12 -4.24	173.59 13.07 0.00	130.27 10.76 -2.85	157.77 9.44 -46.66	166.79 12.83 -5.91	137.20 3.78 -84.65	117.32 4.41 -52.11	85.94 3.23 -32.34	85.88 4.89 -10.61	71.28 3.17 -19.52	108.49 4.60 -45.05	122.96 4.64 -51.97	138.53 5.27 -48.18	140.51 7.21 -17.39	111.54 3.67 -52.11	82.01 4.20 -13.99	82.43 5.05 0.00	88.46 4.97 -14.73
BOC_GAS_DRP 24189	123.02 1.36 -78.95	111.87 1.42 -66.64	105.99 1.77 -51.69	109.76 1.81 -51.66	108.70 1.60 -54.90	90.21 1.83 -27.79	158.16 3.98 -3.37	164.47 3.95 0.00	121.83 2.91 -2.27	141.72 2.93 -37.13	158.52 4.39 -6.09	137.63 1.63 -87.23	116.55 2.05 -53.70	84.17 1.75 -32.04	81.09 2.26 -8.44	65.70 1.57 -15.53	96.31 1.63 -35.84	109.80 1.83 -41.63	126.06 2.23 -38.76	132.92 3.03 -13.99	99.31 1.63 -41.92	76.88 1.81 -11.25	79.41 2.02 0.00	82.58 1.98 -11.84
BOONVILLE_115KV_TB1 79983	44.30 0.86 -0.72	44.83 1.02 0.00	54.07 1.53 0.00	57.64 1.34 0.00	53.41 1.21 0.00	61.83 1.24 0.00	154.85 4.03 0.00	164.11 3.59 0.00	119.24 2.59 0.00	103.84 2.17 0.00	151.49 3.26 -0.19	52.65 1.18 -2.69	63.88 1.43 -1.66	52.44 1.21 -0.86	73.21 2.83 0.00	50.56 1.97 0.00	61.24 2.40 0.00	68.70 2.48 0.11	87.16 2.21 0.13	118.82 2.92 0.00	57.12 1.36 0.00	64.97 1.15 0.00	78.72 1.34 0.00	69.83 1.08 0.00
BORALEX_4TH_BRANCH 23824	188.59 3.13 -142.75	190.18 3.23 -143.14	167.42 3.87 -111.01	171.28 4.03 -110.96	173.99 3.77 -118.02	124.47 4.15 -59.74	167.27 9.21 -7.25	169.79 9.27 0.00	128.12 6.59 -4.88	188.31 6.83 -79.82	164.18 10.03 -6.11	139.86 3.67 -87.43	119.29 4.68 -53.82	91.46 3.99 -37.10	93.96 5.43 -18.15	85.78 3.80 -33.39	140.17 4.28 -77.06	160.72 4.89 -89.49	174.33 5.95 -83.30	153.79 7.83 -30.06	149.72 3.86 -90.10	92.40 4.39 -24.19	82.57 5.19 0.00	99.00 4.78 -25.47
BOWLINE___1 23526	78.61 1.69 -34.20	64.05 1.66 -18.58	68.86 1.91 -14.41	72.61 1.92 -14.39	69.29 1.89 -15.21	70.85 2.57 -7.70	157.68 5.94 -0.93	167.18 6.66 0.00	121.60 4.32 -0.63	116.34 4.40 -10.28	159.89 6.98 -4.86	120.98 2.56 -69.65	106.88 3.21 -42.87	76.30 2.61 -23.32	76.18 3.46 -2.34	55.38 2.49 -4.30	71.17 2.40 -9.93	80.77 2.90 -11.53	99.31 3.50 -10.73	124.58 4.81 -3.87	69.82 2.46 -11.61	69.59 2.65 -3.12	80.19 2.81 0.00	74.51 2.48 -3.28
BOWLINE___2 23595	78.67 1.75 -34.21	64.12 1.73 -18.58	68.95 2.00 -14.41	72.71 2.02 -14.40	69.38 1.97 -15.21	70.94 2.66 -7.70	157.96 6.21 -0.93	167.39 6.87 0.00	121.77 4.49 -0.63	116.47 4.53 -10.28	160.10 7.19 -4.87	121.06 2.63 -69.66	106.97 3.30 -42.88	76.37 2.67 -23.32	76.29 3.56 -2.34	55.44 2.55 -4.30	71.26 2.49 -9.93	80.88 3.01 -11.53	99.43 3.62 -10.73	124.75 4.98 -3.88	69.92 2.55 -11.61	69.69 2.75 -3.12	80.31 2.92 0.00	74.62 2.58 -3.28
BRADY___115KV_TB2 356060	43.52 0.81 0.00	44.48 0.67 0.00	53.06 0.51 0.00	57.12 0.83 0.00	53.04 0.83 0.00	61.44 0.86 0.00	154.54 3.74 0.00	164.00 3.48 0.00	119.11 2.45 0.00	102.93 1.26 0.00	150.31 2.26 0.00	49.23 0.46 0.00	61.16 0.36 0.00	50.38 0.00 0.00	70.95 0.56 0.00	48.78 0.18 0.00	59.41 0.58 0.00	67.01 0.67 0.00	86.17 1.10 0.00	117.34 1.43 0.00	56.35 0.59 0.00	64.69 0.87 0.00	79.09 1.71 0.00	70.16 1.41 0.00
BRANSCOMB___SOLAR 323811	232.25 3.25 -186.29	241.66 3.34 -194.51	207.41 4.01 -150.85	211.26 4.20 -150.77	216.32 3.90 -160.21	146.23 4.55 -81.09	171.49 10.84 -9.84	171.87 11.35 0.00	131.54 8.26 -6.63	217.79 7.79 -108.34	165.79 11.45 -6.29	142.81 3.94 -90.10	121.18 4.92 -55.47	95.71 4.05 -41.28	100.57 5.55 -24.63	97.76 3.85 -45.32	167.88 4.44 -104.61	192.97 5.16 -121.48	204.64 6.48 -113.08	165.36 8.65 -40.81	182.23 4.16 -122.31	101.36 4.70 -32.83	82.87 5.49 0.00	108.19 4.87 -34.57
BRENTWOD_69_KV_W. BRTWOOD 56703	81.46 3.45 -35.30	66.31 3.30 -19.21	71.27 3.83 -14.90	75.04 3.87 -14.88	71.69 3.77 -15.72	73.56 5.02 -7.96	163.57 11.79 -0.97	173.12 12.60 0.00	126.55 9.24 -0.65	121.36 9.06 -10.63	167.21 13.94 -5.23	125.28 4.66 -71.85	110.67 5.65 -44.23	81.73 4.91 -26.44	80.67 6.69 -3.60	60.21 4.84 -6.77	74.09 4.99 -10.26	84.06 5.80 -11.92	103.65 7.48 -11.09	129.91 10.00 -4.01	72.57 4.82 -12.00	72.33 5.28 -3.22	90.53 6.35 -6.79	89.13 5.52 -14.86



BRISTLHL_115KV_TB1 79998	43.11 -1.52 -1.92	42.34 -1.47 0.00	50.76 -1.78 0.00	54.29 -2.01 0.00	50.40 -1.80 0.00	58.59 -1.99 0.00	145.63 -5.18 0.00	154.86 -5.66 0.00	112.51 -4.14 0.00	98.01 -3.66 0.00	143.25 -5.30 -0.50	54.26 -1.65 -7.15	63.15 -2.04 -4.40	51.09 -1.55 -2.27	68.09 -2.29 0.00	47.02 -1.58 0.00	56.91 -1.93 0.00	64.25 -2.19 -0.10	82.25 -2.94 -0.12	111.91 -3.99 0.00	53.82 -1.93 0.00	61.61 -2.21 0.00	74.64 -2.75 0.00	66.15 -2.60 0.00
BROOKHAVEN___DRP 24191	81.16 3.14 -35.30	65.97 2.96 -19.21	70.80 3.36 -14.90	74.55 3.38 -14.88	71.25 3.33 -15.72	73.10 4.55 -7.96	162.09 10.32 -0.97	172.46 11.94 0.00	125.05 7.74 -0.65	120.31 8.00 -10.63	166.39 13.11 -5.23	124.58 3.96 -71.85	109.69 4.66 -44.23	80.80 3.99 -26.44	79.43 5.44 -3.60	59.37 4.00 -6.77	73.21 4.11 -10.26	83.20 4.94 -11.92	102.62 6.45 -11.09	128.49 8.59 -4.01	71.88 4.12 -12.00	71.56 4.52 -3.22	90.09 5.91 -6.79	88.68 5.07 -14.86
BROOKLYN_NAVY_YARD 23515	80.23 2.21 -35.31	65.18 2.16 -19.21	69.97 2.53 -14.90	73.70 2.52 -14.88	70.41 2.49 -15.72	71.87 3.33 -7.96	159.86 8.08 -0.97	169.81 9.29 0.00	123.49 6.18 -0.65	118.32 6.02 -10.63	162.60 9.54 -5.02	124.04 3.40 -71.87	109.24 4.21 -44.24	77.86 3.42 -24.07	77.35 4.55 -2.42	56.29 3.25 -4.45	72.28 3.18 -10.26	82.06 3.80 -11.92	100.76 4.59 -11.10	126.15 6.25 -4.01	70.91 3.15 -12.00	70.48 3.44 -3.22	81.02 3.63 0.00	75.35 3.21 -3.39
BROOKLYN___ARMY_DRP 323595	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
BROOKVLE_69_KV_TB1 55790	81.04 3.03 -35.30	65.94 2.92 -19.21	70.76 3.32 -14.90	74.54 3.37 -14.88	71.17 3.25 -15.72	72.92 4.38 -7.96	162.43 10.65 -0.97	172.37 11.85 0.00	125.79 8.48 -0.65	120.43 8.13 -10.63	165.93 12.65 -5.23	124.98 4.36 -71.85	110.33 5.31 -44.23	81.31 4.49 -26.44	80.06 6.07 -3.60	59.73 4.37 -6.77	73.51 4.41 -10.26	83.46 5.21 -11.92	102.81 6.64 -11.09	128.85 8.94 -4.01	72.13 4.37 -12.00	71.78 4.74 -3.22	89.55 5.37 -6.79	88.20 4.58 -14.86
BROOME_2_LFGE 323671	54.37 -0.57 -12.23	52.25 -0.51 -8.95	58.95 -0.53 -6.94	62.52 -0.71 -6.94	59.03 -0.53 -7.36	63.67 -0.64 -3.72	149.24 -2.03 -0.45	158.29 -2.23 0.00	114.78 -1.82 0.05	99.12 -1.65 0.90	147.30 -1.98 -1.24	72.30 -0.55 -24.08	75.01 -0.61 -14.82	58.18 -0.42 -8.23	70.59 -0.93 -1.13	49.95 -0.73 -2.08	62.76 -0.87 -4.80	70.64 -0.98 -5.28	87.77 -1.38 -4.07	111.98 -1.68 2.24	60.55 -0.83 -5.61	64.54 -0.79 -1.51	76.35 -1.03 0.00	69.23 -1.11 -1.59
BROOME___LFGE 323600	54.37 -0.57 -12.23	52.25 -0.51 -8.95	58.95 -0.53 -6.94	62.52 -0.71 -6.94	59.03 -0.53 -7.36	63.67 -0.64 -3.72	149.24 -2.03 -0.45	158.29 -2.23 0.00	114.78 -1.82 0.05	99.12 -1.65 0.90	147.30 -1.98 -1.24	72.30 -0.55 -24.08	75.01 -0.61 -14.82	58.18 -0.42 -8.23	70.59 -0.93 -1.13	49.95 -0.73 -2.08	62.76 -0.87 -4.80	70.64 -0.98 -5.28	87.77 -1.38 -4.07	111.98 -1.68 2.24	60.55 -0.83 -5.61	64.54 -0.79 -1.51	76.35 -1.03 0.00	69.23 -1.11 -1.59
BROWNFLS_115KV_TB_3_5 80003	43.52 0.21 -0.61	44.05 0.24 0.00	52.99 0.45 0.00	56.72 0.43 0.00	52.58 0.38 0.00	60.68 0.09 0.00	152.72 1.91 0.00	161.24 0.73 0.00	116.77 0.11 0.00	101.10 -0.57 0.00	147.76 -0.44 -0.16	50.88 -0.15 -2.26	61.80 -0.38 -1.39	50.60 -0.49 -0.72	71.40 1.02 0.00	49.10 0.51 0.00	59.58 0.74 0.00	66.79 0.45 0.00	84.79 -0.29 0.00	115.40 -0.50 0.00	55.49 -0.27 0.00	63.36 -0.46 0.00	77.40 0.02 0.00	68.61 -0.14 0.00
BROWNSV1_27_KV_LOAD 356125	80.75 2.73 -35.31	65.71 2.69 -19.21	70.54 3.10 -14.90	74.34 3.16 -14.88	70.97 3.04 -15.72	72.54 4.00 -7.96	161.48 9.71 -0.97	171.49 10.97 0.00	124.81 7.50 -0.65	119.46 7.16 -10.63	164.34 11.27 -5.02	124.59 3.95 -71.87	109.93 4.90 -44.24	78.43 3.99 -24.07	78.19 5.39 -2.42	56.85 3.81 -4.45	72.97 3.87 -10.26	82.81 4.55 -11.92	101.73 5.56 -11.10	127.48 7.58 -4.01	71.56 3.80 -12.00	71.24 4.20 -3.22	81.93 4.54 0.00	76.13 3.98 -3.39
BURROWS___LYONSDAL 23803	44.10 0.63 -0.75	44.64 0.83 0.00	53.95 1.41 0.00	57.43 1.13 0.00	53.15 0.95 0.00	61.49 0.90 0.00	154.16 3.35 0.00	163.02 2.50 0.00	118.42 1.76 0.00	103.01 1.34 0.00	150.30 2.06 -0.20	52.40 0.83 -2.80	63.49 0.98 -1.72	52.06 0.80 -0.89	73.13 2.74 0.00	50.51 1.92 0.00	61.20 2.37 0.00	68.56 2.33 0.11	86.66 1.71 0.12	118.12 2.22 0.00	56.78 1.02 0.00	64.48 0.66 0.00	78.17 0.79 0.00	69.34 0.59 0.00
CAITHNESS_CC_1 323624	81.07 3.05 -35.30	65.89 2.87 -19.21	70.70 3.26 -14.90	74.44 3.27 -14.88	71.16 3.24 -15.72	72.98 4.43 -7.96	161.82 10.05 -0.97	172.12 11.60 0.00	124.93 7.62 -0.65	120.12 7.82 -10.63	166.01 12.74 -5.23	124.56 3.94 -71.85	109.68 4.66 -44.23	80.81 3.99 -26.45	79.42 5.44 -3.60	59.35 3.99 -6.77	73.17 4.07 -10.26	83.14 4.88 -11.92	102.52 6.35 -11.09	128.36 8.45 -4.01	71.82 4.06 -12.00	71.49 4.45 -3.22	89.90 5.72 -6.79	88.53 4.92 -14.86
CALPINE BETH_PAGE_GT4 24209	80.50 2.49 -35.30	65.37 2.36 -19.21	70.12 2.68 -14.90	73.84 2.66 -14.88	70.54 2.62 -15.72	72.20 3.65 -7.96	160.48 8.70 -0.97	170.24 9.72 0.00	124.23 6.92 -0.65	119.20 6.90 -10.63	164.11 10.83 -5.23	124.32 3.71 -71.85	109.48 4.46 -44.23	80.62 3.80 -26.44	79.13 5.15 -3.60	59.10 3.73 -6.77	72.72 3.62 -10.26	82.56 4.30 -11.92	101.74 5.57 -11.09	127.40 7.49 -4.01	71.39 3.63 -12.00	70.99 3.95 -3.22	88.78 4.61 -6.79	87.76 4.15 -14.86
CALPINE_BETH_PAGE_GT_4 323586	80.50 2.49 -35.30	65.37 2.36 -19.21	70.11 2.68 -14.90	73.83 2.66 -14.88	70.54 2.62 -15.72	72.20 3.65 -7.96	160.48 8.70 -0.97	170.26 9.74 0.00	124.23 6.92 -0.65	119.20 6.90 -10.63	164.10 10.83 -5.23	124.32 3.71 -71.85	109.48 4.46 -44.23	80.62 3.80 -26.45	79.13 5.15 -3.60	59.10 3.74 -6.77	72.72 3.62 -10.26	82.55 4.29 -11.92	101.73 5.57 -11.09	127.39 7.48 -4.01	71.40 3.64 -12.00	71.00 3.96 -3.22	88.78 4.61 -6.79	87.76 4.15 -14.86
CALPINE_BP_GT1 23823	80.50 2.49 -35.30	65.37 2.36 -19.21	70.11 2.68 -14.90	73.83 2.66 -14.88	70.54 2.62 -15.72	72.20 3.65 -7.96	160.48 8.70 -0.97	170.26 9.74 0.00	124.23 6.92 -0.65	119.20 6.90 -10.63	164.10 10.83 -5.23	124.32 3.71 -71.85	109.48 4.46 -44.23	80.62 3.80 -26.45	79.13 5.15 -3.60	59.10 3.74 -6.77	72.72 3.62 -10.26	82.55 4.29 -11.92	101.73 5.57 -11.09	127.39 7.48 -4.01	71.40 3.64 -12.00	71.00 3.96 -3.22	88.78 4.61 -6.79	87.76 4.15 -14.86
CALSPAN___DRP 24200	39.57 -3.29 -0.15	40.75 -3.06 0.00	48.84 -3.70 0.00	52.29 -4.00 0.00	48.76 -3.44 0.00	56.74 -3.85 0.00	139.43 -11.38 0.00	146.86 -13.66 0.00	105.77 -10.18 0.71	80.08 -9.86 11.73	132.87 -15.21 -0.03	57.12 -4.83 -13.18	63.07 -5.84 -8.11	50.33 -4.24 -4.20	63.87 -6.51 0.00	43.94 -4.65 0.00	53.08 -5.75 0.00	58.84 -6.83 0.67	74.02 -8.71 2.34	96.27 -11.30 8.33	50.48 -5.28 0.00	58.37 -5.45 0.00	71.50 -5.89 0.00	63.21 -5.54 0.00



CALVERTON___SOLAR 323806	81.24 3.23 -35.30	66.05 3.03 -19.21	70.87 3.43 -14.90	74.63 3.46 -14.88	71.34 3.42 -15.72	73.21 4.67 -7.96	162.26 10.48 -0.97	172.80 12.29 0.00	125.23 7.92 -0.65	120.48 8.19 -10.63	166.72 13.44 -5.23	124.63 4.02 -71.85	109.69 4.67 -44.23	80.81 3.99 -26.45	79.41 5.43 -3.60	59.37 4.00 -6.77	73.26 4.17 -10.26	83.29 5.03 -11.92	102.75 6.58 -11.09	128.65 8.74 -4.01	71.93 4.17 -12.00	71.62 4.58 -3.22	90.24 6.06 -6.79	88.80 5.18 -14.86
CANDIGU_WT_PWR 323617	43.15 -2.60 -3.04	47.02 -2.61 -5.81	53.73 -3.32 -4.51	57.10 -3.71 -4.51	53.88 -3.10 -4.78	59.41 -3.60 -2.42	141.28 -9.83 -0.29	149.03 -11.49 0.00	106.71 -8.80 1.14	73.70 -9.05 18.92	136.91 -10.65 0.48	62.59 -3.28 -17.10	67.37 -3.95 -10.53	53.19 -2.99 -5.81	65.87 -5.25 -0.74	46.16 -3.79 -1.35	57.49 -4.47 -3.13	64.55 -4.91 -3.12	78.77 -6.15 0.15	93.91 -7.64 14.35	55.78 -3.63 -3.65	61.08 -3.73 -0.98	72.57 -4.82 0.00	64.85 -4.94 -1.03
CARR STREET_E_SYR 24060	43.45 -1.40 -2.14	42.46 -1.35 0.00	50.91 -1.63 0.00	54.45 -1.84 0.00	50.56 -1.64 0.00	58.77 -1.82 0.00	146.09 -4.72 0.00	155.35 -5.17 0.00	112.84 -3.82 0.00	98.28 -3.38 0.00	143.71 -4.89 -0.56	55.23 -1.51 -7.97	63.83 -1.87 -4.91	51.50 -1.40 -2.53	68.25 -2.13 0.00	47.13 -1.46 0.00	57.02 -1.82 0.00	63.83 -2.05 0.46	81.80 -2.75 0.53	112.16 -3.74 0.00	53.94 -1.82 0.00	61.78 -2.04 0.00	74.85 -2.53 0.00	66.33 -2.42 0.00
CARTHAGE___PAPER 23857	44.22 0.43 -1.08	44.38 0.57 0.00	53.72 1.18 0.00	57.40 1.11 0.00	53.30 1.10 0.00	61.14 0.55 0.00	154.12 3.31 0.00	163.19 2.67 0.00	118.31 1.65 0.00	102.63 0.96 0.00	149.79 1.47 -0.28	53.48 0.68 -4.03	63.83 0.55 -2.48	51.99 0.33 -1.28	73.54 3.16 0.00	50.93 2.34 0.00	61.74 2.91 0.00	68.73 2.39 0.00	86.69 1.61 0.00	117.94 2.04 0.00	56.68 0.92 0.00	64.34 0.52 0.00	78.11 0.73 0.00	69.10 0.35 0.00
CASSADAGA_WT_PWR 323784	39.25 -3.58 -0.12	40.92 -2.89 0.00	49.26 -3.28 0.00	52.90 -3.40 0.00	49.02 -3.18 0.00	56.96 -3.62 0.00	140.36 -10.45 0.00	147.43 -13.08 0.00	105.18 -10.73 0.74	78.54 -10.84 12.28	131.51 -16.56 -0.02	57.22 -5.21 -13.66	62.96 -6.24 -8.41	50.34 -4.40 -4.37	63.63 -6.75 0.00	43.55 -5.04 0.00	52.93 -5.90 0.00	58.69 -7.00 0.65	73.99 -8.68 2.40	96.27 -10.84 8.78	51.33 -4.43 0.00	59.53 -4.29 0.00	71.74 -5.64 0.00	62.44 -6.32 0.00
CE_DUNWOOD___DRP 24194	80.07 2.14 -35.22	65.09 2.11 -19.16	69.85 2.45 -14.86	73.62 2.48 -14.84	70.28 2.39 -15.69	71.70 3.17 -7.94	159.28 7.51 -0.96	168.96 8.44 0.00	123.02 5.71 -0.65	117.86 5.58 -10.61	161.84 8.80 -5.01	123.60 3.16 -71.66	108.84 3.93 -44.11	77.59 3.22 -24.00	77.11 4.31 -2.41	56.10 3.07 -4.44	72.12 3.05 -10.24	81.86 3.63 -11.89	100.58 4.44 -11.07	125.93 6.03 -4.00	70.77 3.04 -11.97	70.36 3.32 -3.21	81.00 3.61 0.00	75.30 3.17 -3.38
CE_MILLWOOD___DRP 24193	79.86 2.05 -35.11	64.94 2.02 -19.11	69.69 2.33 -14.82	73.46 2.37 -14.80	70.12 2.28 -15.64	71.52 3.02 -7.92	158.93 7.15 -0.96	168.52 8.00 0.00	122.68 5.37 -0.65	117.52 5.28 -10.58	161.37 8.34 -4.99	123.21 3.02 -71.43	108.52 3.76 -43.97	77.36 3.06 -23.92	76.89 4.10 -2.40	55.94 2.93 -4.43	71.94 2.90 -10.21	81.67 3.47 -11.86	100.32 4.21 -11.04	125.65 5.76 -3.98	70.61 2.91 -11.94	70.21 3.18 -3.21	80.82 3.43 0.00	75.16 3.03 -3.37
CE_NYC2_DRP 24202	80.44 2.41 -35.31	65.41 2.39 -19.21	70.18 2.74 -14.90	73.94 2.76 -14.88	70.61 2.68 -15.72	72.10 3.55 -7.96	160.41 8.64 -0.97	170.21 9.69 0.00	123.84 6.53 -0.65	118.70 6.40 -10.63	163.18 10.11 -5.02	124.24 3.59 -71.87	109.50 4.46 -44.24	78.05 3.61 -24.07	77.63 4.83 -2.42	56.47 3.43 -4.45	72.46 3.36 -10.26	82.61 3.99 -12.28	101.78 4.81 -11.90	127.23 6.53 -4.80	71.06 3.30 -12.00	70.63 3.59 -3.22	81.22 3.83 0.00	75.59 3.45 -3.39
CE_NYC_DRP 24195	80.32 2.30 -35.31	65.29 2.27 -19.21	70.05 2.61 -14.90	73.81 2.63 -14.88	70.50 2.57 -15.72	71.97 3.42 -7.96	159.90 8.13 -0.97	169.80 9.28 0.00	123.60 6.30 -0.65	118.41 6.11 -10.63	162.73 9.67 -5.02	124.09 3.45 -71.86	109.32 4.29 -44.24	77.93 3.49 -24.07	77.48 4.68 -2.42	56.36 3.32 -4.45	72.38 3.28 -10.26	82.15 3.88 -11.92	100.86 4.69 -11.10	126.24 6.33 -4.01	70.97 3.21 -12.00	70.54 3.50 -3.22	81.10 3.72 0.00	75.44 3.30 -3.39
CHAFFEE___LFGE 323603	40.01 -2.84 -0.14	41.23 -2.58 0.00	49.36 -3.18 0.00	52.86 -3.43 0.00	49.30 -2.90 0.00	57.34 -3.25 0.00	141.00 -9.81 0.00	148.78 -11.74 0.00	107.09 -8.82 0.74	80.76 -8.76 12.15	134.62 -13.46 -0.03	58.13 -4.23 -13.58	64.02 -5.14 -8.36	51.03 -3.67 -4.33	64.69 -5.69 0.00	44.48 -4.11 0.00	53.82 -5.02 0.00	59.71 -5.97 0.65	75.11 -7.58 2.38	97.48 -9.83 8.59	51.15 -4.61 0.00	59.09 -4.73 0.00	72.28 -5.10 0.00	63.94 -4.81 0.00
CHATEAUG_35_KV_LOAD 355732	42.29 -0.42 0.00	43.15 -0.66 0.00	51.75 -0.79 0.00	56.11 -0.18 0.00	52.37 0.17 0.00	60.55 -0.05 0.00	151.27 0.46 0.00	161.52 1.00 0.00	118.14 1.49 0.00	102.27 0.60 0.00	148.00 -0.04 0.00	48.35 -0.42 0.00	59.83 -0.96 0.00	49.01 -1.36 0.00	68.82 -1.56 0.00	49.21 -1.55 -2.16	65.45 -1.50 -8.12	72.99 -1.61 -8.27	94.08 -1.78 -10.78	123.37 -2.49 -9.96	55.75 -1.22 -1.21	66.42 -1.39 -3.99	84.60 -1.28 -8.49	70.81 -1.09 -3.15
CHATEAUG_WT_PWR 323614	42.10 -0.62 0.00	42.99 -0.82 0.00	51.57 -0.97 0.00	55.90 -0.39 0.00	52.22 0.02 0.00	60.39 -0.20 0.00	150.82 0.01 0.00	161.06 0.54 0.00	117.74 1.09 0.00	102.01 0.34 0.00	147.55 -0.49 0.00	48.20 -0.57 0.00	59.73 -1.06 0.00	48.93 -1.45 0.00	68.70 -1.68 0.00	26.14 -1.69 20.77	-20.82 -1.73 77.92	-14.93 -1.92 79.35	-20.59 -2.18 103.48	17.27 -3.01 95.62	42.66 -1.47 11.63	23.87 -1.67 38.29	-5.75 -1.63 81.50	37.17 -1.37 30.21
CHAT_HIGH_FALL_HYD 323578	42.29 -0.42 0.00	43.15 -0.66 0.00	51.75 -0.79 0.00	56.11 -0.18 0.00	52.37 0.17 0.00	60.55 -0.05 0.00	151.27 0.46 0.00	161.52 1.00 0.00	118.14 1.49 0.00	102.27 0.60 0.00	148.00 -0.04 0.00	48.35 -0.42 0.00	59.83 -0.96 0.00	49.01 -1.36 0.00	68.82 -1.56 0.00	49.21 -1.55 -2.16	65.45 -1.50 -8.12	72.99 -1.61 -8.27	94.08 -1.78 -10.78	123.37 -2.49 -9.96	55.75 -1.22 -1.21	66.42 -1.39 -3.99	84.60 -1.28 -8.49	70.81 -1.09 -3.15
CHAUTAUQUA___LFGE 323629	39.26 -3.57 -0.12	40.68 -3.13 0.00	48.84 -3.70 0.00	52.44 -3.85 0.00	48.62 -3.58 0.00	56.52 -4.07 0.00	139.03 -11.78 0.00	146.82 -13.70 0.00	105.20 -10.73 0.73	79.04 -10.61 12.02	131.87 -16.19 -0.03	57.13 -5.02 -13.38	63.02 -6.01 -8.23	50.40 -4.26 -4.29	63.85 -6.53 0.00	43.75 -4.85 0.00	53.12 -5.72 0.00	58.94 -6.75 0.65	74.15 -8.54 2.39	96.37 -10.89 8.64	50.95 -4.81 0.00	59.04 -4.78 0.00	71.66 -5.72 0.00	62.84 -5.91 0.00
CHERRYST_13_KV_LD 356241	80.43 2.41 -35.31	65.41 2.39 -19.21	70.19 2.75 -14.90	73.95 2.78 -14.88	70.65 2.72 -15.72	72.14 3.59 -7.96	160.36 8.59 -0.97	170.33 9.81 0.00	123.98 6.67 -0.65	118.78 6.48 -10.63	163.26 10.20 -5.02	124.27 3.64 -71.86	109.53 4.50 -44.24	78.11 3.67 -24.07	77.72 4.92 -2.42	56.55 3.51 -4.45	72.58 3.48 -10.26	82.36 4.10 -11.92	101.13 4.96 -11.10	126.59 6.68 -4.01	71.13 3.37 -12.00	70.73 3.69 -3.22	81.32 3.93 0.00	75.61 3.47 -3.39



CHESTROR_138KV_BK263 355645	77.15 1.67 -32.77	63.24 1.66 -17.78	68.28 1.94 -13.79	72.04 1.97 -13.77	68.65 1.89 -14.56	70.46 2.50 -7.37	157.54 5.84 -0.89	167.00 6.48 0.00	121.55 4.30 -0.60	115.78 4.29 -9.82	159.47 6.77 -4.66	117.87 2.44 -66.66	104.89 3.07 -41.03	75.16 2.47 -22.32	75.97 3.35 -2.24	55.10 2.39 -4.12	70.73 2.39 -9.51	80.24 2.86 -11.04	98.83 3.48 -10.27	124.37 4.76 -3.71	69.30 2.42 -11.11	69.44 2.63 -2.98	80.19 2.81 0.00	74.35 2.45 -3.14
CH_MIDHUDSON___DRP 24192	81.60 2.28 -36.61	66.44 2.26 -20.37	71.01 2.67 -15.80	74.79 2.71 -15.78	71.47 2.59 -16.68	72.32 3.30 -8.44	159.65 7.82 -1.03	169.27 8.75 0.00	123.56 6.21 -0.70	119.05 6.02 -11.36	162.48 9.30 -5.14	125.73 3.32 -73.64	110.28 4.15 -45.33	78.45 3.36 -24.71	77.35 4.40 -2.56	56.41 3.11 -4.72	72.95 3.23 -10.89	82.83 3.85 -12.64	101.59 4.74 -11.77	126.64 6.50 -4.25	71.75 3.26 -12.73	70.84 3.60 -3.42	81.33 3.94 0.00	75.77 3.42 -3.60
CH_MISC_IPPS 23765	81.06 2.46 -35.89	66.16 2.44 -19.92	70.87 2.88 -15.45	74.65 2.93 -15.43	71.32 2.81 -16.31	72.42 3.58 -8.26	160.43 8.61 -1.00	170.22 9.70 0.00	124.84 7.49 -0.69	120.00 7.08 -11.25	164.04 10.88 -5.12	125.86 3.82 -73.27	110.66 4.77 -45.10	78.84 3.88 -24.58	77.61 4.72 -2.51	56.54 3.33 -4.61	72.99 3.51 -10.65	82.90 4.20 -12.36	101.77 5.19 -11.51	127.18 7.13 -4.15	71.77 3.57 -12.45	71.08 3.92 -3.34	81.68 4.29 0.00	76.01 3.74 -3.52
CH_RES_BVR_FALLS 23983	42.08 -0.63 0.00	43.18 -0.62 0.00	51.75 -0.79 0.00	55.53 -0.76 0.00	51.42 -0.78 0.00	59.66 -0.93 0.00	149.05 -1.76 0.00	158.74 -1.77 0.00	115.54 -1.12 0.00	100.06 -1.61 0.00	145.50 -2.54 0.00	47.87 -0.90 0.00	59.63 -1.16 0.00	49.22 -1.16 0.00	69.51 -0.88 0.00	48.01 -0.58 0.00	58.30 -0.54 0.00	65.35 -0.99 0.00	83.65 -1.43 0.00	113.75 -2.15 0.00	54.66 -1.10 0.00	62.57 -1.25 0.00	76.15 -1.23 0.00	67.79 -0.97 0.00
CH_RES_NIAGARA 23895	38.32 -4.74 -0.35	39.49 -4.32 0.00	47.40 -5.14 0.00	50.76 -5.53 0.00	47.28 -4.92 0.00	54.98 -5.60 0.00	134.42 -16.40 0.00	140.79 -19.73 0.00	101.43 -14.60 0.62	77.60 -13.81 10.26	126.54 -21.59 -0.09	54.10 -7.02 -12.35	59.80 -8.60 -7.60	47.81 -6.50 -3.93	60.91 -9.48 0.00	41.92 -6.67 0.00	50.57 -8.26 0.00	55.82 -9.82 0.70	70.28 -12.61 2.18	91.89 -16.75 7.26	47.82 -7.94 0.00	55.33 -8.48 0.00	68.21 -9.17 0.00	60.60 -8.16 0.00
CH_RES_SYRACUSE 23985	44.05 -1.01 -2.35	42.87 -0.93 0.00	51.41 -1.13 0.00	54.98 -1.32 0.00	51.08 -1.12 0.00	59.39 -1.20 0.00	147.61 -3.20 0.00	156.97 -3.55 0.00	114.01 -2.64 0.00	99.30 -2.37 0.00	145.24 -3.41 -0.61	56.49 -1.04 -8.76	64.88 -1.30 -5.39	52.22 -0.93 -2.78	68.93 -1.45 0.00	47.59 -1.00 0.00	57.59 -1.25 0.00	64.75 -1.33 0.26	82.95 -1.82 0.30	113.41 -2.50 0.00	54.55 -1.21 0.00	62.46 -1.36 0.00	75.67 -1.72 0.00	67.03 -1.72 0.00
CLINTON_WT_PWR 323605	42.10 -0.62 0.00	42.99 -0.82 0.00	51.57 -0.97 0.00	55.90 -0.39 0.00	52.22 0.02 0.00	60.39 -0.20 0.00	150.82 0.01 0.00	161.06 0.54 0.00	117.74 1.09 0.00	102.01 0.34 0.00	147.55 -0.49 0.00	48.20 -0.57 0.00	59.73 -1.06 0.00	48.93 -1.45 0.00	68.70 -1.68 0.00	26.14 -1.69 20.77	-20.82 -1.73 77.92	-14.93 -1.92 79.35	-20.59 -2.18 103.48	17.27 -3.01 95.62	42.66 -1.47 11.63	23.87 -1.67 38.29	-5.75 -1.63 81.50	37.17 -1.37 30.21
CLINTON___LFGE 323618	42.98 0.27 0.00	43.82 0.01 0.00	52.51 -0.03 0.00	56.80 0.50 0.00	53.05 0.85 0.00	61.27 0.68 0.00	152.72 1.91 0.00	162.77 2.25 0.00	119.35 2.69 0.00	103.57 1.90 0.00	149.95 1.91 0.00	49.02 0.25 0.00	60.76 -0.03 0.00	49.78 -0.60 0.00	69.81 -0.58 0.00	63.16 -0.91 -15.47	116.11 -0.77 -58.04	124.64 -0.80 -59.10	161.40 -0.75 -77.08	185.98 -1.15 -71.23	63.83 -0.60 -8.66	91.60 -0.74 -28.52	137.66 -0.43 -60.71	91.08 -0.18 -22.50
COBBLENY_34_KV_TB1 80064	39.99 -2.86 -0.14	41.19 -2.62 0.00	49.37 -3.18 0.00	52.85 -3.44 0.00	49.29 -2.91 0.00	57.33 -3.26 0.00	140.99 -9.82 0.00	148.77 -11.75 0.00	107.11 -8.81 0.74	80.88 -8.64 12.15	134.61 -13.46 -0.03	58.11 -4.25 -13.58	64.02 -5.14 -8.36	51.03 -3.67 -4.33	64.68 -5.71 0.00	44.48 -4.12 0.00	53.79 -5.04 0.00	59.68 -6.01 0.65	75.08 -7.61 2.38	97.50 -9.82 8.59	51.14 -4.62 0.00	59.08 -4.74 0.00	72.27 -5.11 0.00	63.94 -4.81 0.00
COFFEEN___115KV_TB3 355620	44.30 0.35 -1.24	44.29 0.48 0.00	53.56 1.02 0.00	57.36 1.06 0.00	53.42 1.22 0.00	61.08 0.50 0.00	154.07 3.26 0.00	163.70 3.18 0.00	118.48 1.83 0.00	102.80 1.13 0.00	150.00 1.63 -0.32	54.24 0.84 -4.63	64.30 0.66 -2.85	52.30 0.45 -1.47	73.72 3.33 0.00	51.21 2.61 0.00	62.07 3.24 0.00	68.92 2.58 0.00	87.12 2.05 0.00	118.62 2.71 0.00	56.93 1.18 0.00	64.65 0.83 0.00	78.31 0.93 0.00	69.10 0.34 0.00
COLDSPRG_115KV_BK1 355956	44.71 -2.06 -4.05	46.90 -1.63 -4.72	54.36 -1.85 -3.67	57.99 -1.97 -3.67	54.45 -1.64 -3.88	60.70 -1.85 -1.97	144.87 -6.17 -0.24	152.84 -7.68 0.00	109.43 -6.62 0.61	85.00 -6.59 10.07	137.97 -10.09 -0.02	59.71 -3.16 -14.11	65.84 -3.64 -8.68	52.78 -2.40 -4.81	67.12 -3.87 -0.60	46.72 -2.99 -1.11	57.81 -3.58 -2.56	64.31 -4.37 -2.34	79.88 -5.53 -0.34	101.30 -6.59 8.01	55.87 -2.88 -3.00	62.08 -2.55 -0.80	74.40 -2.98 0.00	66.30 -3.30 -0.85
COLONIE_LFGE___ 323577	209.03 2.43 -163.90	214.33 2.50 -168.02	185.87 3.01 -130.31	189.66 3.12 -130.24	193.49 2.87 -138.42	133.92 3.27 -70.06	166.86 7.54 -8.50	168.29 7.77 0.00	127.96 5.58 -5.73	200.79 5.52 -93.61	162.30 8.05 -6.21	140.58 2.87 -88.94	119.18 3.63 -54.75	92.62 3.06 -39.19	95.79 4.12 -21.28	90.62 2.87 -39.16	152.43 3.22 -90.38	174.96 3.67 -104.96	187.32 4.54 -97.70	157.23 6.07 -35.26	164.47 3.03 -105.67	95.59 3.40 -28.37	81.31 3.93 0.00	102.24 3.62 -29.86
COOPERNY_115KV_TB1 80082	70.82 1.18 -26.92	59.75 1.19 -14.75	65.39 1.41 -11.44	69.13 1.41 -11.43	65.65 1.36 -12.08	68.47 1.77 -6.12	155.58 4.03 -0.74	164.98 4.46 0.00	120.14 2.98 -0.50	112.84 3.02 -8.16	156.64 4.79 -3.80	104.89 1.75 -54.37	96.48 2.22 -33.47	70.38 1.78 -18.22	74.62 2.38 -1.86	53.71 1.70 -3.42	68.38 1.66 -7.89	77.50 2.00 -9.16	96.01 2.40 -8.53	122.31 3.33 -3.08	66.68 1.69 -9.22	68.12 1.82 -2.48	79.30 1.92 0.00	73.02 1.67 -2.61
COPENHAGEN_WT_PWR 323753	43.32 -0.68 -1.29	43.23 -0.58 0.00	52.35 -0.19 0.00	56.18 -0.11 0.00	52.41 0.20 0.00	59.66 -0.93 0.00	150.27 -0.54 0.00	159.88 -0.64 0.00	115.55 -1.11 0.00	100.17 -1.50 0.00	146.19 -2.19 -0.33	53.20 -0.36 -4.79	63.05 -0.69 -2.95	51.10 -0.80 -1.52	72.39 2.00 0.00	50.44 1.85 0.00	60.98 2.15 0.00	67.14 0.80 0.00	84.71 -0.37 0.00	115.29 -0.61 0.00	55.36 -0.40 0.00	62.92 -0.90 0.00	76.27 -1.12 0.00	67.37 -1.38 0.00
CORNELL_____ 23752	68.92 0.02 -26.20	50.29 0.06 -6.42	57.59 0.06 -4.98	61.21 -0.06 -4.98	57.56 0.09 -5.27	63.43 0.17 -2.67	151.36 0.22 -0.32	160.78 0.26 0.00	120.33 0.06 -3.62	161.28 -0.05 -59.67	153.46 -0.03 -5.45	65.94 -0.06 -17.22	71.41 0.02 -10.60	56.36 0.10 -5.88	70.89 -0.31 -0.81	50.00 -0.08 -1.49	62.17 -0.11 -3.44	70.19 0.17 -3.67	96.07 0.22 -10.78	157.08 0.43 -40.75	59.97 0.18 -4.03	65.12 0.22 -1.08	77.49 0.11 0.00	69.72 -0.17 -1.14



CORONA V_69 KV_TB1 355595	80.77 2.76 -35.30	65.68 2.66 -19.21	70.47 3.03 -14.90	74.22 3.05 -14.88	70.89 2.97 -15.72	72.55 4.01 -7.96	161.29 9.52 -0.97	171.09 10.57 0.00	124.73 7.42 -0.65	119.61 7.31 -10.63	164.57 11.29 -5.23	124.61 3.99 -71.85	109.90 4.88 -44.23	80.95 4.13 -26.44	79.56 5.57 -3.60	59.35 3.99 -6.77	73.06 3.97 -10.26	82.92 4.67 -11.92	102.12 5.95 -11.09	127.91 8.01 -4.01	71.69 3.94 -12.00	71.36 4.32 -3.22	89.15 4.97 -6.79	88.06 4.44 -14.86
CORTLAND_115KV_TB3 80093	54.66 -0.20 -12.14	48.49 -0.14 -4.82	56.14 -0.14 -3.73	59.74 -0.29 -3.73	56.00 -0.16 -3.96	62.45 -0.15 -2.00	150.59 -0.46 -0.24	160.03 -0.49 0.00	117.27 -0.46 -1.07	118.89 -0.43 -17.66	149.70 -0.46 -2.12	62.80 -0.10 -14.13	69.41 -0.08 -8.69	55.17 0.00 -4.80	70.72 -0.27 -0.61	49.59 -0.12 -1.12	61.26 -0.16 -2.59	68.92 -0.10 -2.69	89.23 -0.26 -4.42	127.19 -0.24 -11.53	58.62 -0.17 -3.02	64.47 -0.17 -0.81	77.05 -0.33 0.00	69.10 -0.51 -0.85
COXSACKIE__GT 23611	131.85 4.20 -84.93	123.23 4.32 -75.09	116.08 5.30 -58.24	120.13 5.63 -58.20	119.19 5.15 -61.84	97.80 5.92 -31.30	164.24 9.63 -3.80	170.76 10.24 0.00	130.93 11.72 -2.56	154.00 10.52 -41.82	168.53 14.67 -5.81	136.62 4.62 -83.23	117.39 5.36 -51.24	85.75 4.05 -31.32	85.57 5.68 -9.51	69.79 3.70 -17.49	104.35 5.14 -40.38	119.32 6.18 -46.80	136.38 7.80 -43.51	142.10 10.50 -15.71	107.91 5.09 -47.07	82.27 5.81 -12.63	84.22 6.83 0.00	88.47 6.41 -13.30
CPV_VALLEY__CC1 323721	74.55 1.32 -30.52	61.62 1.30 -16.51	66.86 1.51 -12.81	70.59 1.50 -12.80	67.19 1.46 -13.53	69.39 1.96 -6.84	156.15 4.51 -0.83	165.58 5.06 0.00	120.56 3.35 -0.56	114.22 3.42 -9.13	157.91 5.51 -4.35	113.10 2.04 -62.30	101.68 2.54 -38.35	73.28 2.06 -20.85	75.20 2.74 -2.08	54.38 1.97 -3.83	69.54 1.88 -8.83	78.84 2.25 -10.25	97.32 2.70 -9.54	123.05 3.71 -3.44	67.98 1.90 -10.32	68.64 2.05 -2.77	79.51 2.13 0.00	73.54 1.87 -2.92
CPV_VALLEY__CC2 323722	74.55 1.32 -30.52	61.62 1.30 -16.51	66.86 1.51 -12.81	70.59 1.50 -12.80	67.19 1.46 -13.53	69.39 1.96 -6.84	156.15 4.51 -0.83	165.58 5.06 0.00	120.56 3.35 -0.56	114.22 3.42 -9.13	157.91 5.51 -4.35	113.10 2.04 -62.30	101.68 2.54 -38.35	73.28 2.06 -20.85	75.20 2.74 -2.08	54.38 1.97 -3.83	69.54 1.88 -8.83	78.84 2.25 -10.25	97.32 2.70 -9.54	123.05 3.71 -3.44	67.98 1.90 -10.32	68.64 2.05 -2.77	79.51 2.13 0.00	73.54 1.87 -2.92
CRESCENT__HYD 24018	209.03 2.43 -163.90	214.33 2.50 -168.02	185.87 3.01 -130.31	189.66 3.12 -130.24	193.49 2.87 -138.42	133.92 3.27 -70.06	166.86 7.54 -8.50	168.29 7.77 0.00	127.96 5.58 -5.73	200.79 5.52 -93.61	162.30 8.05 -6.21	140.58 2.87 -88.94	119.18 3.63 -54.75	92.62 3.06 -39.19	95.79 4.12 -21.28	90.62 2.87 -39.16	152.43 3.22 -90.38	174.96 3.67 -104.96	187.32 6.07 -97.70	157.23 6.07 -35.26	164.47 3.03 -105.67	95.59 3.40 -28.37	81.31 3.93 0.00	102.24 3.62 -29.86
CRICKET__VALLEY_CC1 323756	84.49 2.00 -39.78	69.20 1.98 -23.41	73.06 2.36 -18.15	76.77 2.34 -18.13	73.54 2.24 -19.10	73.10 2.84 -9.67	158.48 6.49 -1.17	167.76 7.24 0.00	122.42 4.97 -0.79	119.50 4.90 -12.93	161.12 7.80 -5.28	127.22 2.91 -75.54	110.96 3.66 -46.50	78.84 2.97 -25.50	77.29 3.97 -2.94	56.79 2.80 -5.40	74.17 2.86 -12.47	84.22 3.40 -14.48	102.65 4.09 -13.48	126.47 5.70 -4.87	73.26 2.92 -14.58	70.96 3.23 -3.91	80.89 3.51 0.00	75.93 3.06 -4.12
CRICKET__VALLEY_CC2 323757	84.49 2.00 -39.78	69.20 1.98 -23.41	73.06 2.36 -18.15	76.77 2.34 -18.13	73.54 2.24 -19.10	73.10 2.84 -9.67	158.48 6.49 -1.17	167.76 7.24 0.00	122.42 4.97 -0.79	119.50 4.90 -12.93	161.12 7.80 -5.28	127.22 2.91 -75.54	110.96 3.66 -46.50	78.84 2.97 -25.50	77.29 3.97 -2.94	56.79 2.80 -5.40	74.17 2.86 -12.47	84.22 3.40 -14.48	102.65 4.09 -13.48	126.47 5.70 -4.87	73.26 2.92 -14.58	70.96 3.23 -3.91	80.89 3.51 0.00	75.93 3.06 -4.12
CRICKET__VALLEY_CC3 323758	84.49 2.00 -39.78	69.20 1.98 -23.41	73.06 2.36 -18.15	76.77 2.34 -18.13	73.54 2.24 -19.10	73.10 2.84 -9.67	158.48 6.49 -1.17	167.76 7.24 0.00	122.42 4.97 -0.79	119.50 4.90 -12.93	161.12 7.80 -5.28	127.22 2.91 -75.54	110.96 3.66 -46.50	78.84 2.97 -25.50	77.29 3.97 -2.94	56.79 2.80 -5.40	74.17 2.86 -12.47	84.22 3.40 -14.48	102.65 4.09 -13.48	126.47 5.70 -4.87	73.26 2.92 -14.58	70.96 3.23 -3.91	80.89 3.51 0.00	75.93 3.06 -4.12
CRUCIBLE_METL_DRP 24180	44.05 -1.01 -2.35	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.08 -1.12 0.00	59.39 -1.20 0.00	147.62 -3.19 0.00	156.96 -3.56 0.00	114.01 -2.64 0.00	99.32 -2.35 0.00	145.24 -3.41 -0.61	56.49 -1.04 -8.76	64.89 -1.30 -5.39	52.22 -0.93 -2.78	68.93 -1.45 0.00	47.59 -1.01 0.00	57.59 -1.25 0.00	64.74 -1.34 0.26	82.95 -1.82 0.30	113.42 -2.49 0.00	54.55 -1.21 0.00	62.46 -1.36 0.00	75.67 -1.72 0.00	67.03 -1.72 0.00
DAHOWA__HYDRO 323763	235.97 3.61 -189.64	245.98 3.69 -198.48	210.90 4.44 -153.93	214.78 4.64 -153.84	220.02 4.35 -163.46	148.41 5.08 -82.74	173.03 12.18 -10.04	173.27 12.75 0.00	132.74 9.33 -6.76	220.96 8.75 -110.54	167.24 12.89 -6.31	143.51 4.43 -90.30	121.94 5.56 -55.59	96.52 4.54 -41.61	101.71 6.19 -25.13	99.12 4.28 -46.24	170.53 4.97 -106.73	196.06 5.78 -123.95	207.72 7.27 -115.38	167.19 9.65 -41.64	185.20 4.64 -124.79	102.58 5.26 -33.50	83.52 6.13 0.00	109.43 5.40 -35.27
DANC__LFGE 323619	43.25 -0.98 -1.52	42.93 -0.88 0.00	51.78 -0.77 0.00	55.50 -0.80 0.00	51.67 -0.54 0.00	59.25 -1.34 0.00	148.43 -2.38 0.00	157.87 -2.65 0.00	114.32 -2.34 0.00	99.38 -2.29 0.00	145.22 -3.22 -0.40	53.62 -0.82 -5.67	63.10 -1.19 -3.49	51.12 -1.05 -1.80	70.80 0.42 0.00	49.16 0.56 0.00	59.43 0.60 0.00	65.99 -0.35 0.00	83.71 -1.36 0.00	113.97 -1.94 0.00	54.78 -0.98 0.00	62.46 -1.36 0.00	75.73 -1.65 0.00	66.97 -1.78 0.00
DANSKAMMER__1 23586	81.06 2.46 -35.89	66.16 2.44 -19.92	70.87 2.88 -15.45	74.65 2.93 -15.43	71.32 2.81 -16.31	72.42 3.58 -8.26	160.43 8.61 -1.00	170.22 9.70 0.00	124.84 7.49 -0.69	120.00 7.08 -11.25	164.04 10.88 -5.12	125.86 3.82 -73.27	110.66 4.77 -45.10	78.84 3.88 -24.58	77.61 4.72 -2.51	56.54 3.33 -4.61	72.99 3.51 -10.65	82.90 4.20 -12.36	101.77 5.19 -11.51	127.18 7.13 -4.15	71.77 3.57 -12.45	71.08 3.92 -3.34	81.68 4.29 0.00	76.01 3.74 -3.52
DANSKAMMER__2 23589	81.06 2.46 -35.89	66.16 2.44 -19.92	70.87 2.88 -15.45	74.65 2.93 -15.43	71.32 2.81 -16.31	72.42 3.58 -8.26	160.43 8.61 -1.00	170.22 9.70 0.00	124.84 7.49 -0.69	120.00 7.08 -11.25	164.04 10.88 -5.12	125.86 3.82 -73.27	110.66 4.77 -45.10	78.84 3.88 -24.58	77.61 4.72 -2.51	56.54 3.33 -4.61	72.99 3.51 -10.65	82.90 4.20 -12.36	101.77 5.19 -11.51	127.18 7.13 -4.15	71.77 3.57 -12.45	71.08 3.92 -3.34	81.68 4.29 0.00	76.01 3.74 -3.52
DANSKAMMER__3 23590	81.06 2.46 -35.89	66.16 2.44 -19.92	70.87 2.88 -15.45	74.65 2.93 -15.43	71.32 2.81 -16.31	72.42 3.58 -8.26	160.43 8.61 -1.00	170.22 9.70 0.00	124.84 7.49 -0.69	120.00 7.08 -11.25	164.04 10.88 -5.12	125.86 3.82 -73.27	110.66 4.77 -45.10	78.84 3.88 -24.58	77.61 4.72 -2.51	56.54 3.33 -4.61	72.99 3.51 -10.65	82.90 4.20 -12.36	101.77 5.19 -11.51	127.18 7.13 -4.15	71.77 3.57 -12.45	71.08 3.92 -3.34	81.68 4.29 0.00	76.01 3.74 -3.52



DANSKAMMER___4 23591	81.06 2.46 -35.89	66.16 2.44 -19.92	70.87 2.88 -15.45	74.65 2.93 -15.43	71.32 2.81 -16.31	72.42 3.58 -8.26	160.43 8.61 -1.00	170.22 9.70 0.00	124.84 7.49 -0.69	120.00 7.08 -11.25	164.04 10.88 -5.12	125.86 3.82 -73.27	110.66 4.77 -45.10	78.84 3.88 -24.58	77.61 4.72 -2.51	56.54 3.33 -4.61	72.99 3.51 -10.65	82.90 4.20 -12.36	101.77 5.19 -11.51	127.18 7.13 -4.15	71.77 3.57 -12.45	71.08 3.92 -3.34	81.68 4.29 0.00	76.01 3.74 -3.52
DANSKAMMER___DIESEL 23592	81.06 2.46 -35.89	66.17 2.45 -19.92	70.87 2.88 -15.45	74.66 2.93 -15.43	71.32 2.81 -16.31	72.42 3.58 -8.26	160.43 8.62 -1.00	170.22 9.70 0.00	124.84 7.49 -0.69	120.00 7.08 -11.25	164.05 10.89 -5.12	125.86 3.83 -73.27	110.67 4.77 -45.10	78.84 3.88 -24.58	77.61 4.72 -2.51	56.54 3.33 -4.61	73.00 3.52 -10.65	82.90 4.20 -12.36	101.78 5.20 -11.51	127.19 7.14 -4.15	71.77 3.56 -12.45	71.08 3.92 -3.34	81.68 4.30 0.00	76.01 3.74 -3.52
DARBY___SOLAR 323810	232.45 3.29 -186.45	241.89 3.37 -194.71	207.61 4.07 -151.00	211.45 4.23 -150.92	216.52 3.95 -160.37	146.36 4.60 -81.17	171.64 10.98 -9.85	172.04 11.52 0.00	131.66 8.37 -6.63	217.99 7.87 -108.45	165.96 11.62 -6.29	142.88 4.00 -90.11	121.28 5.01 -55.47	95.77 4.10 -41.30	100.65 5.61 -24.66	97.84 3.88 -45.37	168.03 4.49 -104.71	193.15 5.21 -121.60	204.81 6.54 -113.19	165.46 8.71 -40.85	182.39 4.20 -122.43	101.45 4.77 -32.86	82.92 5.53 0.00	108.25 4.90 -34.60
DASHVILLE___HYD 23610	90.67 2.16 -45.80	77.15 2.15 -31.19	79.27 2.55 -24.19	83.05 2.59 -24.17	80.28 2.45 -25.62	76.75 3.19 -12.97	160.06 7.68 -1.57	169.00 8.48 0.00	123.65 5.93 -1.06	124.51 5.53 -17.31	161.98 8.79 -5.15	125.48 3.01 -73.69	109.88 3.72 -45.37	78.78 2.98 -25.43	78.35 4.03 -3.94	58.68 2.84 -7.25	78.52 2.96 -16.73	89.29 3.55 -19.40	107.48 4.35 -18.05	128.44 6.03 -6.51	78.27 2.99 -19.52	72.44 3.37 -5.24	81.16 3.77 0.00	77.47 3.20 -5.52
DEERFIELD_69_KV_DEERFIELD LD 355887	81.21 3.20 -35.30	66.01 2.99 -19.21	70.79 3.35 -14.90	74.54 3.37 -14.88	71.28 3.36 -15.72	73.20 4.66 -7.96	161.55 9.77 -0.97	172.89 12.37 0.00	125.58 8.27 -0.65	120.94 8.64 -10.63	167.12 13.85 -5.23	124.59 3.97 -71.85	109.33 4.31 -44.23	80.46 3.64 -26.44	78.93 4.94 -3.60	59.07 3.70 -6.77	73.24 4.15 -10.26	83.36 5.10 -11.92	102.87 6.70 -11.09	128.76 8.85 -4.01	71.93 4.17 -12.00	71.61 4.57 -3.22	90.26 6.09 -6.79	88.76 5.14 -14.86
DELAWARE___LFGE 323621	76.09 1.12 -32.26	73.52 1.17 -28.54	76.14 1.47 -22.14	79.92 1.51 -22.12	77.09 1.41 -23.48	74.14 1.66 -11.88	156.05 3.80 -1.44	164.55 4.03 0.00	120.51 2.89 -0.97	120.42 2.88 -15.88	154.55 4.30 -2.20	81.80 1.49 -31.54	82.08 1.88 -19.42	63.81 1.57 -11.87	75.97 1.97 -3.61	56.57 1.33 -6.64	75.63 1.46 -15.33	85.74 1.76 -17.64	103.64 2.18 -16.38	124.93 3.05 -5.98	75.19 1.51 -17.93	70.28 1.65 -4.81	79.21 1.83 0.00	75.33 1.51 -5.07
DERFIELD_115KV_TB7 355931	43.08 0.37 0.00	44.22 0.41 0.00	53.07 0.53 0.00	56.79 0.50 0.00	52.63 0.43 0.00	61.11 0.53 0.00	151.98 1.17 0.00	161.69 1.17 0.00	117.48 0.83 0.00	102.61 0.95 0.00	149.38 1.34 0.00	49.31 0.54 0.00	61.46 0.67 0.00	50.94 0.57 0.00	71.16 0.77 0.00	49.16 0.56 0.00	59.42 0.59 0.00	67.00 0.66 0.00	85.84 0.76 0.00	116.86 0.96 0.00	56.26 0.50 0.00	64.33 0.50 0.00	77.92 0.54 0.00	69.24 0.48 0.00
DOGLEVILLE___HYD 23807	44.25 1.55 0.00	45.37 1.57 0.00	54.51 1.97 0.00	58.24 1.94 0.00	54.08 1.88 0.00	62.63 2.05 0.00	155.78 4.96 0.00	165.96 5.45 0.00	121.08 4.42 0.00	106.67 5.01 0.00	155.04 6.99 0.00	51.19 2.42 0.00	63.79 3.00 0.00	53.02 2.65 0.00	73.19 2.81 0.00	50.44 1.85 0.00	61.07 2.24 0.00	69.18 2.84 0.00	88.62 3.54 0.00	120.54 4.64 0.00	58.04 2.29 0.00	66.55 2.73 0.00	80.18 2.79 0.00	71.27 2.52 0.00
DUNKIRK___115KV_TB_200 55889	39.26 -3.57 -0.12	40.63 -3.18 0.00	48.81 -3.73 0.00	52.40 -3.90 0.00	48.60 -3.60 0.00	56.52 -4.07 0.00	138.99 -11.82 0.00	146.76 -13.76 0.00	105.25 -10.68 0.73	79.18 -10.50 11.99	131.95 -16.11 -0.03	57.11 -5.02 -13.35	63.02 -5.99 -8.22	50.43 -4.22 -4.28	63.87 -6.52 0.00	43.78 -4.82 0.00	53.14 -5.70 0.00	58.97 -6.71 0.66	74.18 -8.51 2.39	96.42 -10.86 8.63	50.89 -4.87 0.00	58.98 -4.84 0.00	71.66 -5.72 0.00	62.92 -5.84 0.00
DUNKIRK___1 23563	39.26 -3.57 -0.12	40.63 -3.18 0.00	48.81 -3.73 0.00	52.40 -3.90 0.00	48.60 -3.60 0.00	56.52 -4.07 0.00	138.99 -11.82 0.00	146.76 -13.76 0.00	105.25 -10.68 0.73	79.18 -10.50 11.99	131.95 -16.11 -0.03	57.11 -5.02 -13.35	63.02 -5.99 -8.22	50.43 -4.22 -4.28	63.87 -6.52 0.00	43.78 -4.82 0.00	53.14 -5.70 0.00	58.97 -6.71 0.66	74.18 -8.51 2.39	96.42 -10.86 8.63	50.89 -4.87 0.00	58.98 -4.84 0.00	71.66 -5.72 0.00	62.92 -5.84 0.00
DUNKIRK___2 23564	39.26 -3.57 -0.12	40.63 -3.18 0.00	48.81 -3.73 0.00	52.40 -3.90 0.00	48.60 -3.60 0.00	56.52 -4.07 0.00	138.99 -11.82 0.00	146.76 -13.76 0.00	105.25 -10.68 0.73	79.18 -10.50 11.99	131.95 -16.11 -0.03	57.11 -5.02 -13.35	63.02 -5.99 -8.22	50.43 -4.22 -4.28	63.87 -6.52 0.00	43.78 -4.82 0.00	53.14 -5.70 0.00	58.97 -6.71 0.66	74.18 -8.51 2.39	96.42 -10.86 8.63	50.89 -4.87 0.00	58.98 -4.84 0.00	71.66 -5.72 0.00	62.92 -5.84 0.00
DUNKIRK___3 23565	39.31 -3.51 -0.11	40.63 -3.18 0.00	48.77 -3.77 0.00	52.32 -3.98 0.00	48.61 -3.59 0.00	56.52 -4.07 0.00	138.95 -11.86 0.00	146.58 -13.94 0.00	105.24 -10.70 0.72	79.34 -10.42 11.90	132.05 -16.01 -0.02	56.98 -5.02 -13.23	62.92 -6.01 -8.14	50.37 -4.26 -4.25	63.87 -6.51 0.00	43.83 -4.76 0.00	53.12 -5.71 0.00	58.92 -6.76 0.66	74.07 -8.62 2.39	96.26 -11.03 8.62	50.71 -5.05 0.00	58.76 -5.06 0.00	71.61 -5.78 0.00	63.03 -5.73 0.00
DUNKIRK___4 23566	39.31 -3.51 -0.11	40.63 -3.18 0.00	48.77 -3.77 0.00	52.32 -3.98 0.00	48.61 -3.59 0.00	56.52 -4.07 0.00	138.95 -11.86 0.00	146.58 -13.94 0.00	105.24 -10.70 0.72	79.34 -10.42 11.90	132.05 -16.01 -0.02	56.98 -5.02 -13.23	62.92 -6.01 -8.14	50.37 -4.26 -4.25	63.87 -6.51 0.00	43.83 -4.76 0.00	53.12 -5.71 0.00	58.92 -6.76 0.66	74.07 -8.62 2.39	96.26 -11.03 8.62	50.71 -5.05 0.00	58.76 -5.06 0.00	71.61 -5.78 0.00	63.03 -5.73 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	80.26 2.23 -35.31	65.24 2.22 -19.21	70.04 2.59 -14.90	73.79 2.61 -14.88	70.45 2.52 -15.72	71.87 3.33 -7.96	159.67 7.90 -0.97	169.34 8.82 0.00	123.26 5.96 -0.65	118.10 5.80 -10.63	162.21 9.15 -5.02	123.93 3.29 -71.87	109.11 4.08 -44.24	77.77 3.33 -24.07	77.27 4.46 -2.42	56.21 3.17 -4.45	72.25 3.15 -10.26	82.00 3.74 -11.92	100.75 4.58 -11.10	126.14 6.24 -4.01	70.90 3.14 -12.00	70.49 3.44 -3.22	81.10 3.72 0.00	75.42 3.27 -3.39
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	79.53 2.03 -34.79	65.11 2.01 -19.30	69.87 2.36 -14.97	73.64 2.39 -14.96	70.30 2.29 -15.81	71.58 2.99 -8.00	158.89 7.11 -0.97	168.38 7.86 0.00	122.19 4.89 -0.64	116.98 4.82 -10.49	160.39 7.57 -4.77	119.81 2.72 -68.32	106.24 3.39 -42.06	76.01 2.71 -22.92	76.78 3.97 -2.43	55.87 2.81 -4.47	72.03 2.88 -10.32	81.80 3.48 -11.98	100.50 4.27 -11.15	125.79 5.87 -4.02	70.76 2.94 -12.06	70.27 3.21 -3.24	80.86 3.48 0.00	75.19 3.03 -3.41



E179THST_138_KV_TB4_REV_LBMP_J 345001	80.36 2.34 -35.31	65.33 2.31 -19.21	70.08 2.64 -14.90	73.83 2.65 -14.88	70.52 2.59 -15.72	71.98 3.43 -7.96	160.23 8.45 -0.97	169.76 9.24 0.00	123.35 6.04 -0.65	118.36 6.05 -10.63	162.76 9.70 -5.02	124.07 3.43 -71.87	109.29 4.25 -44.24	77.87 3.43 -24.07	77.46 4.66 -2.42	56.37 3.33 -4.45	72.32 3.22 -10.26	82.13 3.87 -11.92	100.83 4.66 -11.10	126.26 6.35 -4.01	71.03 3.27 -12.00	70.57 3.52 -3.22	81.16 3.78 0.00	75.53 3.39 -3.39
E179THST_13_KV_LOAD 356214	80.55 2.52 -35.31	65.51 2.49 -19.21	70.28 2.84 -14.90	74.03 2.85 -14.88	70.69 2.77 -15.72	72.19 3.64 -7.96	160.84 9.07 -0.97	170.54 10.02 0.00	123.93 6.62 -0.65	118.86 6.56 -10.63	163.49 10.42 -5.02	124.33 3.69 -71.87	109.60 4.56 -44.24	78.13 3.68 -24.07	77.82 5.02 -2.42	56.62 3.58 -4.45	72.62 3.52 -10.26	82.46 4.20 -11.92	101.27 5.09 -11.10	126.88 6.98 -4.01	71.33 3.56 -12.00	70.89 3.84 -3.22	81.54 4.15 0.00	75.87 3.72 -3.39
EAST HAMPTON___GT 23717	80.53 2.52 -35.30	65.29 2.27 -19.21	69.91 2.47 -14.90	73.59 2.41 -14.88	70.42 2.50 -15.72	72.22 3.68 -7.96	157.92 6.14 -0.97	170.27 9.75 0.00	124.22 6.91 -0.65	119.89 7.59 -10.63	165.22 11.95 -5.23	123.76 3.15 -71.85	107.85 2.83 -44.23	79.22 2.40 -26.45	77.19 3.20 -3.60	57.93 2.56 -6.77	72.32 3.22 -10.26	82.38 4.12 -11.92	101.65 5.48 -11.09	127.09 7.18 -4.01	71.11 3.35 -12.00	70.61 3.57 -3.22	89.00 4.83 -6.79	87.62 4.01 -14.86
EAST RIVER___6 23660	80.23 2.21 -35.31	65.23 2.21 -19.21	69.98 2.54 -14.90	73.72 2.54 -14.88	70.42 2.50 -15.72	71.88 3.34 -7.96	159.58 7.80 -0.97	169.40 8.88 0.00	123.44 6.13 -0.65	118.30 6.00 -10.63	162.46 9.40 -5.02	124.06 3.42 -71.86	109.27 4.24 -44.24	77.89 3.45 -24.07	77.42 4.62 -2.42	56.33 3.28 -4.45	72.35 3.25 -10.26	82.11 3.85 -11.92	100.78 4.61 -11.10	126.09 6.18 -4.01	70.88 3.12 -12.00	70.45 3.41 -3.22	80.95 3.57 0.00	75.30 3.16 -3.39
EAST RIVER___7 23524	80.23 2.21 -35.31	65.23 2.21 -19.21	69.98 2.54 -14.90	73.72 2.54 -14.88	70.42 2.50 -15.72	71.88 3.34 -7.96	159.58 7.80 -0.97	169.40 8.88 0.00	123.44 6.13 -0.65	118.30 6.00 -10.63	162.46 9.40 -5.02	124.06 3.42 -71.86	109.27 4.24 -44.24	77.89 3.45 -24.07	77.42 4.62 -2.42	56.33 3.28 -4.45	72.35 3.25 -10.26	82.11 3.85 -11.92	100.78 4.61 -11.10	126.09 6.18 -4.01	70.88 3.12 -12.00	70.45 3.41 -3.22	80.95 3.57 0.00	75.30 3.16 -3.39
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	80.07 2.14 -35.22	65.09 2.11 -19.16	69.85 2.45 -14.86	73.62 2.48 -14.84	70.28 2.39 -15.69	71.70 3.17 -7.94	159.28 7.51 -0.96	168.96 8.44 0.00	123.02 5.71 -0.65	117.86 5.58 -10.61	161.84 8.80 -5.01	123.60 3.16 -71.66	108.84 3.93 -44.11	77.59 3.22 -24.00	77.11 4.31 -2.41	56.10 3.07 -4.44	72.12 3.05 -10.24	81.86 3.63 -11.89	100.58 4.44 -11.07	125.93 6.03 -4.00	70.77 3.04 -11.97	70.36 3.32 -3.21	81.00 3.61 0.00	75.30 3.17 -3.38
EAST_HAMPTON___DIESEL 23722	80.38 2.37 -35.30	65.16 2.14 -19.21	69.74 2.30 -14.90	73.41 2.23 -14.88	70.26 2.34 -15.72	72.03 3.49 -7.96	157.52 5.75 -0.97	169.85 9.33 0.00	123.89 6.59 -0.65	119.63 7.33 -10.63	164.82 11.54 -5.23	123.63 3.01 -71.85	107.70 2.68 -44.23	79.08 2.26 -26.45	76.99 3.01 -3.60	57.79 2.42 -6.77	72.15 3.05 -10.26	82.17 3.92 -11.92	101.38 5.21 -11.09	126.74 6.83 -4.01	70.94 3.18 -12.00	70.42 3.38 -3.22	88.76 4.59 -6.79	87.42 3.80 -14.86
EAST_POINT___SOLAR 323840	238.97 2.75 -193.51	246.89 2.76 -200.32	211.20 3.30 -155.36	215.08 3.52 -155.27	220.50 3.35 -164.95	148.22 4.15 -83.49	171.86 10.92 -10.13	172.82 12.30 0.00	132.02 8.54 -6.82	220.38 7.17 -111.54	163.21 8.26 -6.91	150.37 2.66 -98.95	124.61 2.91 -60.91	97.71 2.87 -44.47	99.42 3.67 -25.36	97.90 2.64 -46.66	170.50 3.97 -107.70	196.42 5.01 -125.07	208.02 6.52 -116.42	166.79 8.87 -42.02	185.86 4.17 -125.92	102.32 4.70 -33.80	82.97 5.58 0.00	108.96 4.61 -35.59
EAST_PULASKI___ESR 323781	43.19 -1.27 -1.75	42.67 -1.14 0.00	51.25 -1.29 0.00	54.85 -1.44 0.00	50.99 -1.21 0.00	58.91 -1.68 0.00	146.80 -4.01 0.00	156.08 -4.44 0.00	113.34 -3.32 0.00	98.72 -2.95 0.00	144.33 -4.17 -0.45	54.06 -1.22 -6.51	63.20 -1.60 -4.01	51.20 -1.24 -2.07	69.29 -1.10 0.00	47.95 -0.65 0.00	57.96 -0.88 0.00	64.94 -1.40 0.00	82.83 -2.24 0.00	112.83 -3.07 0.00	54.27 -1.49 0.00	62.06 -1.76 0.00	75.23 -2.16 0.00	66.61 -2.15 0.00
EAST_RIVER___1 323558	80.32 2.29 -35.31	65.29 2.27 -19.21	70.05 2.61 -14.90	73.81 2.63 -14.88	70.50 2.57 -15.72	71.97 3.42 -7.96	159.90 8.12 -0.97	169.77 9.25 0.00	123.59 6.29 -0.65	118.42 6.11 -10.63	162.73 9.67 -5.02	124.09 3.45 -71.86	109.32 4.29 -44.24	77.93 3.49 -24.07	77.48 4.68 -2.42	56.36 3.32 -4.45	72.37 3.27 -10.26	82.14 3.88 -11.92	100.86 4.69 -11.10	126.23 6.33 -4.01	70.97 3.21 -12.00	70.54 3.50 -3.22	81.10 3.72 0.00	75.44 3.29 -3.39
EAST_RIVER___2 323559	80.23 2.21 -35.31	65.23 2.21 -19.21	69.98 2.54 -14.90	73.72 2.54 -14.88	70.42 2.50 -15.72	71.88 3.34 -7.96	159.58 7.80 -0.97	169.40 8.88 0.00	123.44 6.13 -0.65	118.30 6.00 -10.63	162.46 9.40 -5.02	124.06 3.42 -71.86	109.27 4.24 -44.24	77.89 3.45 -24.07	77.42 4.62 -2.42	56.33 3.28 -4.45	72.35 3.25 -10.26	82.11 3.85 -11.92	100.78 4.61 -11.10	126.09 6.18 -4.01	70.88 3.12 -12.00	70.45 3.41 -3.22	80.95 3.57 0.00	75.30 3.16 -3.39
EAST___DELAWARE_HYD 23607	79.25 1.66 -34.89	66.13 1.61 -20.72	70.52 1.91 -16.07	74.26 1.92 -16.05	71.05 1.86 -16.99	71.64 2.45 -8.60	157.84 5.99 -1.04	167.37 6.85 0.00	121.93 4.58 -0.70	117.58 4.47 -11.44	159.40 6.80 -4.56	116.27 2.26 -65.25	103.88 2.92 -40.17	74.73 2.30 -22.06	76.29 3.29 -2.61	55.77 2.37 -4.81	72.31 2.38 -11.09	82.17 2.95 -12.87	100.76 3.70 -11.98	125.27 5.05 -4.32	71.25 2.54 -12.96	70.02 2.72 -3.48	80.25 2.87 0.00	74.83 2.41 -3.66
EIGHT_POINT___WT_PWR 323820	38.44 -3.88 0.40	45.70 -3.74 -5.63	51.78 -5.13 -4.37	55.16 -5.49 -4.36	52.23 -4.60 -4.63	57.58 -5.36 -2.34	138.19 -12.90 -0.28	145.69 -14.83 0.00	102.96 -11.90 1.80	60.01 -11.94 29.71	131.66 -15.05 1.34	60.12 -5.06 -16.41	64.50 -6.40 -10.10	51.03 -4.92 -5.58	63.10 -7.99 -0.71	44.31 -5.59 -1.31	55.11 -6.75 -3.02	62.14 -7.20 -3.01	74.63 -8.78 1.67	83.07 -10.93 21.89	54.06 -5.24 -3.54	59.66 -5.11 -0.95	71.65 -5.73 0.00	63.94 -5.82 -1.00
ELBRIDGE_115KV_TB2 80188	43.93 -1.25 -2.47	42.61 -1.20 0.00	51.11 -1.43 0.00	54.67 -1.63 0.00	50.83 -1.37 0.00	59.08 -1.51 0.00	146.73 -4.08 0.00	156.02 -4.50 0.00	113.31 -3.34 0.00	98.68 -2.99 0.00	144.32 -4.37 -0.64	56.62 -1.34 -9.19	64.78 -1.67 -5.66	52.07 -1.22 -2.92	68.46 -1.92 0.00	47.26 -1.33 0.00	57.15 -1.69 0.00	64.33 -1.78 0.23	82.40 -2.41 0.27	112.66 -3.24 0.00	54.22 -1.54 0.00	62.09 -1.73 0.00	75.23 -2.15 0.00	66.67 -2.09 0.00
ELEC_TRO_TEK 24086	80.63 2.62 -35.30	65.53 2.52 -19.21	70.31 2.87 -14.90	74.06 2.88 -14.88	70.73 2.81 -15.72	72.37 3.83 -7.96	160.96 9.19 -0.97	170.75 10.23 0.00	124.50 7.20 -0.65	119.33 7.03 -10.63	164.23 10.96 -5.23	124.44 3.82 -71.85	109.69 4.67 -44.23	80.76 3.94 -26.44	79.30 5.32 -3.60	59.17 3.80 -6.77	72.86 3.77 -10.26	82.70 4.45 -11.92	101.84 5.66 -11.09	127.50 7.60 -4.01	71.48 3.72 -12.00	71.11 4.07 -3.22	88.85 4.67 -6.79	87.74 4.13 -14.86



ELLENBURG_WT_PWR 323604	42.10 -0.62 0.00	42.99 -0.82 0.00	51.57 -0.97 0.00	55.90 -0.39 0.00	52.22 0.02 0.00	60.39 -0.20 0.00	150.82 0.01 0.00	161.06 0.54 0.00	117.74 1.09 0.00	102.01 0.34 0.00	147.55 -0.49 0.00	48.20 -0.57 0.00	59.73 -1.06 0.00	48.93 -1.45 0.00	68.70 -1.68 0.00	26.14 -1.69 20.77	-20.82 -1.73 77.92	-14.93 -1.92 79.35	-20.59 -2.18 103.48	17.27 -3.01 95.62	42.66 -1.47 11.63	23.87 -1.67 38.29	-5.75 -1.63 81.50	37.17 -1.37 30.21
ELM_ST_23_KV_LD_REV_LBMP_A 345012	39.24 -3.64 -0.17	40.44 -3.37 0.00	48.48 -4.06 0.00	51.93 -4.37 0.00	48.38 -3.82 0.00	56.30 -4.29 0.00	138.29 -12.52 0.00	145.57 -14.95 0.00	104.77 -11.20 0.69	79.50 -10.74 11.43	131.45 -16.63 -0.04	56.38 -5.32 -12.92	62.32 -6.43 -7.96	49.77 -4.73 -4.12	63.23 -7.16 0.00	43.50 -5.10 0.00	52.55 -6.28 0.00	58.18 -7.48 0.68	73.21 -9.55 2.31	95.31 -12.48 8.11	49.90 -5.85 0.00	57.72 -6.10 0.00	70.79 -6.60 0.00	62.65 -6.10 0.00
EMPIRE_CC_1 323656	111.96 1.93 -67.31	99.33 2.01 -53.51	96.47 2.43 -41.50	100.29 2.51 -41.48	98.51 2.14 -44.17	85.43 2.49 -22.36	159.20 5.68 -2.71	166.24 5.72 0.00	122.53 4.05 -1.83	135.74 4.20 -29.88	160.00 6.05 -5.91	135.70 2.25 -84.67	115.80 2.89 -52.12	83.22 2.47 -30.38	80.44 3.26 -6.79	63.38 2.30 -12.50	90.15 2.48 -28.84	102.59 2.76 -33.49	119.59 3.33 -31.18	131.54 4.39 -11.25	91.83 2.35 -33.72	75.47 2.60 -9.05	80.34 2.96 0.00	81.16 2.88 -9.53
EMPIRE_CC_2 323658	111.96 1.93 -67.31	99.33 2.01 -53.51	96.47 2.43 -41.50	100.29 2.51 -41.48	98.51 2.14 -44.17	85.43 2.49 -22.36	159.20 5.68 -2.71	166.24 5.72 0.00	122.53 4.05 -1.83	135.74 4.20 -29.88	160.00 6.05 -5.91	135.70 2.25 -84.67	115.80 2.89 -52.12	83.22 2.47 -30.38	80.44 3.26 -6.79	63.38 2.30 -12.50	90.15 2.48 -28.84	102.59 2.76 -33.49	119.59 3.33 -31.18	131.54 4.39 -11.25	91.83 2.35 -33.72	75.47 2.60 -9.05	80.34 2.96 0.00	81.16 2.88 -9.53
ENORWICH_115KV_TB1 80156	66.11 0.89 -22.51	57.95 0.86 -13.28	63.85 1.01 -10.29	67.72 1.14 -10.29	64.35 1.23 -10.92	67.66 1.54 -5.53	156.16 4.67 -0.67	166.22 5.70 0.00	122.35 4.14 -1.55	131.11 3.98 -25.47	156.25 5.22 -2.98	73.30 1.39 -23.13	77.35 2.31 -14.24	61.11 2.53 -8.21	73.80 1.74 -1.68	52.63 0.95 -3.09	67.71 1.75 -7.13	76.54 2.19 -8.01	97.86 2.99 -9.79	135.48 4.09 -15.49	65.94 1.85 -8.33	67.96 1.91 -2.24	79.36 1.98 0.00	72.48 1.37 -2.35
ERIE_ST__34_KV_TB1-2 80199	40.45 -2.43 -0.17	41.62 -2.19 0.00	49.92 -2.63 0.00	53.45 -2.85 0.00	49.83 -2.37 0.00	57.96 -2.63 0.00	142.52 -8.29 0.00	150.37 -10.15 0.00	108.20 -7.74 0.71	82.36 -7.50 11.80	136.24 -11.84 -0.04	58.28 -3.84 -13.36	64.46 -4.56 -8.22	51.46 -3.17 -4.25	65.46 -4.93 0.00	45.04 -3.56 0.00	54.41 -4.43 0.00	60.30 -5.38 0.66	75.81 -6.92 2.34	98.84 -8.70 8.36	51.63 -4.12 0.00	59.70 -4.12 0.00	73.12 -4.26 0.00	64.72 -4.04 0.00
ERIE_WT_PWR 323693	39.65 -3.20 -0.15	40.80 -3.01 0.00	48.85 -3.69 0.00	52.30 -4.00 0.00	48.83 -3.37 0.00	56.77 -3.82 0.00	139.50 -11.31 0.00	146.87 -13.65 0.00	105.69 -10.25 0.71	79.97 -9.97 11.73	132.86 -15.22 -0.03	57.13 -4.82 -13.18	63.06 -5.85 -8.11	50.33 -4.24 -4.20	63.84 -6.54 0.00	43.97 -4.63 0.00	53.10 -5.73 0.00	58.87 -6.80 0.67	74.03 -8.70 2.34	96.20 -11.37 8.33	50.51 -5.25 0.00	58.39 -5.43 0.00	71.49 -5.90 0.00	63.19 -5.56 0.00
ESPRGFLD_115KV_TB1 80157	163.38 1.01 -119.66	188.42 1.04 -143.58	165.14 1.25 -111.35	168.91 1.33 -111.29	171.74 1.32 -118.22	122.13 1.70 -59.83	162.87 4.80 -7.26	166.15 5.63 0.00	125.66 4.12 -4.89	185.19 3.58 -79.94	152.94 4.89 0.00	50.24 1.47 0.00	62.54 1.75 0.00	61.24 1.52 -9.35	90.50 1.94 -18.18	83.27 1.24 -33.44	137.75 1.73 -77.19	158.03 2.15 -89.54	171.20 2.80 -83.33	149.92 3.91 -30.11	147.83 1.82 -90.25	90.04 1.99 -24.23	79.79 2.40 0.00	96.03 1.77 -25.51
ETNA_115_KV_TB1_REV_LBMP_C 345029	65.60 -0.06 -22.95	50.25 0.01 -6.44	57.55 0.01 -4.99	61.15 -0.13 -4.99	57.52 0.03 -5.29	63.36 0.09 -2.68	151.16 0.02 -0.33	160.58 0.06 0.00	119.53 -0.07 -2.94	149.97 -0.15 -48.46	152.46 -0.18 -4.59	65.83 -0.09 -17.15	71.31 -0.04 -10.56	56.31 0.07 -5.86	70.86 -0.34 -0.81	49.96 -0.12 -1.50	62.12 -0.16 -3.45	70.12 0.08 -3.69	94.49 0.10 -9.31	149.01 0.24 -32.87	59.89 0.09 -4.03	65.03 0.13 -1.08	77.39 0.01 0.00	69.64 -0.25 -1.14
ETNA____115KV_TB2 80207	65.60 -0.06 -22.95	50.25 0.01 -6.44	57.55 0.01 -4.99	61.15 -0.13 -4.99	57.52 0.03 -5.29	63.36 0.09 -2.68	151.16 0.02 -0.33	160.58 0.06 0.00	119.53 -0.07 -2.94	149.97 -0.15 -48.46	152.46 -0.18 -4.59	65.83 -0.09 -17.15	71.31 -0.04 -10.56	56.31 0.07 -5.86	70.86 -0.34 -0.81	49.96 -0.12 -1.50	62.12 -0.16 -3.45	70.12 0.08 -3.69	94.49 0.10 -9.31	149.01 0.24 -32.87	59.89 0.09 -4.03	65.03 0.13 -1.08	77.39 0.01 0.00	69.64 -0.25 -1.14
EUCLID____115KV_TB2 356179	43.23 -1.53 -2.04	42.33 -1.48 0.00	50.76 -1.78 0.00	54.30 -2.00 0.00	50.42 -1.78 0.00	58.58 -2.00 0.00	145.61 -5.20 0.00	154.79 -5.72 0.00	112.45 -4.21 0.00	97.94 -3.73 0.00	143.15 -5.42 -0.53	54.68 -1.69 -7.60	63.37 -2.10 -4.68	51.19 -1.60 -2.41	68.01 -2.37 0.00	46.96 -1.63 0.00	56.81 -2.02 0.00	63.52 -2.30 0.52	81.39 -3.08 0.60	111.75 -4.15 0.00	53.76 -2.00 0.00	61.56 -2.27 0.00	74.60 -2.78 0.00	66.13 -2.63 0.00
E_CANADA_CAP_HY 24051	227.12 1.64 -182.78	231.65 1.64 -186.20	198.90 1.95 -144.40	202.73 2.12 -144.32	207.56 2.04 -153.31	140.79 2.60 -77.60	167.30 7.07 -9.42	168.61 8.09 0.00	128.99 5.99 -6.34	210.45 5.10 -103.68	161.92 6.70 -7.18	153.62 2.04 -102.81	126.41 2.33 -63.29	97.20 2.05 -44.78	96.76 2.80 -23.57	93.69 1.72 -43.37	161.41 2.48 -100.10	185.56 3.04 -116.18	197.07 3.87 -108.13	160.32 5.36 -39.06	175.31 2.51 -117.05	98.16 2.92 -31.42	81.02 3.64 0.00	104.75 2.92 -33.08
E_CANADA_MHWK_HY 24050	44.25 1.55 0.00	45.37 1.57 0.00	54.51 1.97 0.00	58.24 1.94 0.00	54.08 1.88 0.00	62.63 2.05 0.00	155.78 4.96 0.00	165.96 5.45 0.00	121.08 4.42 0.00	106.67 5.01 0.00	155.04 6.99 0.00	51.19 2.42 0.00	63.79 3.00 0.00	53.02 2.65 0.00	73.19 2.81 0.00	50.44 1.85 0.00	61.07 2.24 0.00	69.18 2.84 0.00	88.62 3.54 0.00	120.54 4.64 0.00	58.04 2.29 0.00	66.55 2.73 0.00	80.18 2.79 0.00	71.27 2.52 0.00
E_FISHKILL____LBMP 23776	80.68 1.99 -35.98	65.32 1.98 -19.54	70.02 2.33 -15.15	73.77 2.34 -15.13	70.43 2.24 -15.99	71.56 2.88 -8.09	158.56 6.77 -0.98	168.02 7.50 0.00	122.45 5.13 -0.66	117.55 5.07 -10.82	161.11 7.95 -5.13	125.05 2.89 -73.39	109.58 3.61 -45.18	77.90 2.95 -24.57	76.76 3.92 -2.46	55.90 2.78 -4.52	72.08 2.81 -10.44	81.78 3.33 -12.12	100.41 4.05 -11.28	125.51 5.54 -4.07	70.79 2.83 -12.21	70.18 3.09 -3.28	80.72 3.33 0.00	75.14 2.94 -3.45
FALCON____SEABRD_CC1 323796	42.80 0.09 0.00	43.66 -0.15 0.00	52.34 -0.20 0.00	56.60 0.30 0.00	52.84 0.64 0.00	60.88 0.30 0.00	151.62 0.81 0.00	161.71 1.19 0.00	118.53 1.88 0.00	102.89 1.23 0.00	149.00 0.96 0.00	48.68 -0.09 0.00	60.37 -0.42 0.00	49.46 -0.91 0.00	69.34 -1.05 0.00	25.11 -1.24 22.24	-25.83 -1.20 83.46	-19.97 -1.32 84.99	-27.21 -1.44 110.84	11.40 -2.08 102.42	42.26 -1.04 12.46	21.60 -1.21 41.01	-10.94 -1.02 87.30	35.85 -0.55 32.36



FALCON___SEABRD_CC2 323797	42.80 0.09 0.00	43.66 -0.15 0.00	52.34 -0.20 0.00	56.60 0.30 0.00	52.84 0.64 0.00	60.88 0.30 0.00	151.62 0.81 0.00	161.71 1.19 0.00	118.53 1.88 0.00	102.89 1.23 0.00	149.00 0.96 0.00	48.68 -0.09 0.00	60.37 -0.42 0.00	49.46 -0.91 0.00	69.34 -1.05 0.00	25.11 -1.24 22.24	-25.83 -1.20 83.46	-19.97 -1.32 84.99	-27.21 -1.44 110.84	11.40 -2.08 102.42	42.26 -1.04 12.46	21.60 -1.21 41.01	-10.94 -1.02 87.30	35.85 -0.55 32.36
FAR ROCKAWAY___4 23548	81.09 3.07 -35.30	65.98 2.97 -19.21	70.85 3.41 -14.90	74.63 3.45 -14.88	71.27 3.35 -15.72	73.00 4.46 -7.96	162.10 10.32 -0.97	171.89 11.37 0.00	125.33 8.02 -0.65	120.43 8.12 -10.63	165.42 12.14 -5.23	125.00 4.39 -71.85	110.39 5.37 -44.23	81.35 4.53 -26.44	80.09 6.10 -3.60	59.74 4.37 -6.77	73.54 4.44 -10.26	83.49 5.23 -11.92	102.85 6.68 -11.09	128.94 9.03 -4.01	72.17 4.41 -12.00	71.89 4.85 -3.22	89.79 5.61 -6.79	88.58 4.97 -14.86
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	80.36 2.34 -35.31	65.32 2.30 -19.21	70.09 2.64 -14.90	73.84 2.66 -14.88	70.53 2.61 -15.72	72.00 3.45 -7.96	160.04 8.26 -0.97	169.91 9.39 0.00	123.68 6.38 -0.65	118.49 6.19 -10.63	162.83 9.77 -5.02	124.10 3.46 -71.87	109.33 4.30 -44.24	77.95 3.50 -24.07	77.49 4.69 -2.42	56.39 3.35 -4.45	72.39 3.29 -10.26	82.15 3.89 -11.92	100.89 4.72 -11.10	126.30 6.39 -4.01	70.98 3.22 -12.00	70.60 3.55 -3.22	81.16 3.78 0.00	75.48 3.34 -3.39
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	80.38 2.36 -35.31	65.34 2.32 -19.21	70.11 2.66 -14.90	73.89 2.71 -14.88	70.55 2.63 -15.72	72.03 3.49 -7.96	160.18 8.40 -0.97	170.03 9.51 0.00	123.74 6.43 -0.65	118.51 6.20 -10.63	162.88 9.82 -5.02	124.14 3.50 -71.87	109.38 4.35 -44.24	77.97 3.53 -24.07	77.54 4.74 -2.42	56.40 3.36 -4.45	72.41 3.31 -10.26	82.19 3.93 -11.92	100.95 4.78 -11.10	126.35 6.45 -4.01	71.03 3.27 -12.00	70.63 3.58 -3.22	81.20 3.82 0.00	75.52 3.38 -3.39
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	80.34 2.32 -35.31	65.30 2.28 -19.21	70.05 2.61 -14.90	73.83 2.65 -14.88	70.50 2.57 -15.72	71.97 3.42 -7.96	160.01 8.23 -0.97	169.87 9.35 0.00	123.62 6.32 -0.65	118.41 6.11 -10.63	162.73 9.67 -5.02	124.09 3.45 -71.87	109.32 4.29 -44.24	77.92 3.48 -24.07	77.47 4.67 -2.42	56.35 3.31 -4.45	72.35 3.25 -10.26	82.12 3.86 -11.92	100.86 4.69 -11.10	126.22 6.31 -4.01	70.96 3.20 -12.00	70.54 3.50 -3.22	81.11 3.73 0.00	75.44 3.30 -3.39
FARRAGUT___LBMP 323566	80.30 2.27 -35.31	65.27 2.25 -19.21	70.03 2.59 -14.90	73.78 2.60 -14.88	70.46 2.54 -15.72	71.92 3.37 -7.96	159.89 8.11 -0.97	169.71 9.19 0.00	123.50 6.20 -0.65	118.30 6.00 -10.63	162.57 9.51 -5.02	124.04 3.40 -71.87	109.26 4.23 -44.24	77.87 3.43 -24.07	77.40 4.60 -2.42	56.30 3.26 -4.45	72.29 3.19 -10.26	82.06 3.79 -11.92	100.77 4.60 -11.10	126.12 6.22 -4.01	70.91 3.15 -12.00	70.50 3.45 -3.22	81.04 3.66 0.00	75.40 3.25 -3.39
FENNER___WINDPWR 24204	48.07 0.34 -5.02	44.23 0.42 0.00	53.14 0.60 0.00	56.84 0.55 0.00	52.75 0.56 0.00	61.25 0.67 0.00	152.95 2.13 0.00	162.79 2.27 0.00	118.80 1.64 -0.51	111.53 1.37 -8.49	151.43 2.08 -1.31	59.05 0.73 -9.55	67.58 0.91 -5.88	54.20 0.79 -3.03	71.53 1.15 0.00	49.42 0.83 0.00	59.88 1.05 0.00	67.13 1.06 0.27	86.99 1.11 -0.81	123.36 1.50 -5.96	56.40 0.64 0.00	64.45 0.63 0.00	78.01 0.63 0.00	69.18 0.43 0.00
FIBERTEK___ENERGY 23856	44.05 -1.01 -2.35	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.08 -1.12 0.00	59.39 -1.20 0.00	147.62 -3.19 0.00	156.96 -3.56 0.00	114.01 -2.64 0.00	99.32 -2.35 0.00	145.24 -3.41 -0.61	56.49 -1.04 -8.76	64.89 -1.30 -5.39	52.22 -0.93 -2.78	68.93 -1.45 0.00	47.59 -1.01 0.00	57.59 -1.25 0.00	64.74 -1.34 0.26	82.95 -1.82 0.30	113.42 -2.49 0.00	54.55 -1.21 0.00	62.46 -1.36 0.00	75.67 -1.72 0.00	67.03 -1.72 0.00
FITZPATRICK___ 23598	42.26 -1.97 -1.51	41.87 -1.93 0.00	50.20 -2.34 0.00	53.73 -2.57 0.00	49.88 -2.32 0.00	57.94 -2.64 0.00	144.01 -6.80 0.00	153.11 -7.41 0.00	111.24 -5.42 0.00	96.86 -4.80 0.00	141.43 -7.01 -0.39	52.18 -2.22 -5.64	61.50 -2.76 -3.47	49.98 -2.18 -1.79	67.23 -3.16 0.00	46.41 -2.18 0.00	56.15 -2.69 0.00	63.21 -3.05 0.08	80.97 -4.01 0.09	110.47 -5.43 0.00	53.15 -2.61 0.00	60.86 -2.96 0.00	73.79 -3.60 0.00	65.47 -3.28 0.00
FLOWRFLD_69_KV_BK1 356044	81.33 3.32 -35.30	66.15 3.13 -19.21	71.01 3.57 -14.90	74.78 3.60 -14.88	71.44 3.52 -15.72	73.34 4.79 -7.96	162.91 11.14 -0.97	173.12 12.60 0.00	125.69 8.39 -0.65	120.74 8.44 -10.63	167.01 13.74 -5.23	125.02 4.41 -71.85	110.29 5.27 -44.23	81.31 4.50 -26.44	80.12 6.13 -3.60	59.84 4.48 -6.77	73.69 4.59 -10.26	83.73 5.47 -11.92	103.30 7.13 -11.09	129.42 9.52 -4.01	72.33 4.58 -12.00	72.07 5.03 -3.22	90.43 6.26 -6.79	88.99 5.37 -14.86
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	81.24 2.56 -35.97	66.27 2.54 -19.92	70.99 3.00 -15.45	74.77 3.05 -15.43	71.43 2.92 -16.31	72.55 3.71 -8.26	160.78 8.96 -1.00	170.64 10.12 0.00	124.97 7.63 -0.69	120.09 7.21 -11.21	164.23 11.07 -5.12	125.97 3.89 -73.31	110.76 4.84 -45.13	78.92 3.95 -24.59	77.79 4.90 -2.51	56.67 3.46 -4.61	73.13 3.65 -10.65	83.06 4.36 -12.36	101.99 5.41 -11.51	127.46 7.40 -4.15	71.90 3.70 -12.44	71.23 4.07 -3.34	81.87 4.49 0.00	76.15 3.88 -3.52
FORT ORANGE___ 23900	153.71 2.09 -108.91	148.60 2.18 -102.61	134.82 2.70 -79.58	138.65 2.82 -79.54	139.22 2.49 -84.53	106.06 2.69 -42.79	161.38 5.38 -5.19	165.49 4.97 0.00	124.22 4.07 -3.50	162.83 4.00 -57.16	159.75 5.62 -6.09	137.90 1.99 -87.15	116.87 2.43 -53.65	86.76 2.03 -34.36	85.91 2.53 -13.00	74.25 1.75 -23.91	116.01 1.99 -55.19	132.57 2.15 -64.08	147.33 2.62 -59.63	141.06 3.63 -21.52	122.27 2.01 -64.50	83.44 2.30 -17.31	80.01 2.63 0.00	90.08 3.10 -18.23
FORT_DRUM_COGEN 23780	43.93 0.02 -1.19	43.94 0.13 0.00	53.19 0.65 0.00	56.95 0.65 0.00	53.01 0.81 0.00	60.61 0.03 0.00	152.78 1.97 0.00	162.19 1.67 0.00	117.59 0.93 0.00	102.18 0.51 0.00	149.19 0.84 -0.31	53.60 0.38 -4.44	63.70 0.17 -2.73	51.80 0.02 -1.41	73.20 2.82 0.00	50.83 2.24 0.00	61.56 2.73 0.00	68.26 1.92 0.00	86.19 1.12 0.00	117.32 1.41 0.00	56.34 0.58 0.00	63.99 0.17 0.00	77.57 0.18 0.00	68.52 -0.23 0.00
FOX_HILLS___ESR 323835	80.72 2.64 -35.37	66.82 2.62 -20.39	70.39 2.95 -14.90	74.16 2.98 -14.88	70.83 2.90 -15.72	72.41 3.86 -7.96	160.94 9.16 -0.97	170.62 10.10 0.00	124.02 6.71 -0.65	118.91 6.60 -10.64	163.16 10.09 -5.02	124.21 3.55 -71.88	109.45 4.40 -44.26	78.97 3.72 -24.88	78.20 4.90 -2.92	65.07 3.60 -12.88	72.52 3.42 -10.26	82.00 4.05 -11.61	100.26 4.94 -10.24	142.89 6.87 -20.12	71.87 3.53 -12.58	72.30 3.84 -4.63	81.53 4.10 -0.05	75.77 3.63 -3.39
FPL FAR_ROCK_GT1 24212	81.09 3.08 -35.30	65.99 2.97 -19.21	70.85 3.41 -14.90	74.62 3.44 -14.88	71.27 3.35 -15.72	73.00 4.46 -7.96	162.10 10.32 -0.97	171.89 11.37 0.00	125.32 8.01 -0.65	120.43 8.13 -10.63	165.42 12.14 -5.23	125.00 4.39 -71.85	110.39 5.37 -44.23	81.35 4.53 -26.45	80.08 6.10 -3.60	59.74 4.37 -6.77	73.54 4.44 -10.26	83.48 5.22 -11.92	102.85 6.68 -11.09	128.93 9.02 -4.01	72.17 4.41 -12.00	71.89 4.85 -3.22	89.78 5.61 -6.79	88.58 4.97 -14.86



FPL FAR_ROCK_GT2 23815	81.09 3.08 -35.30	65.99 2.97 -19.21	70.85 3.41 -14.90	74.62 3.44 -14.88	71.27 3.35 -15.72	73.00 4.46 -7.96	162.10 10.32 -0.97	171.89 11.37 0.00	125.32 8.01 -0.65	120.43 8.13 -10.63	165.42 12.14 -5.23	125.00 4.39 -71.85	110.39 5.37 -44.23	81.35 4.53 -26.45	80.08 6.10 -3.60	59.74 4.37 -6.77	73.54 4.44 -10.26	83.48 5.22 -11.92	102.85 6.68 -11.09	128.93 9.02 -4.01	72.17 4.41 -12.00	71.89 4.85 -3.22	89.78 5.61 -6.79	88.58 4.97 -14.86
FRANKLIN_FALL_HYD 24054	43.23 0.52 0.00	44.07 0.26 0.00	52.72 0.17 0.00	57.07 0.78 0.00	53.19 0.99 0.00	61.56 0.97 0.00	154.19 3.38 0.00	163.98 3.46 0.00	119.88 3.22 0.00	103.73 2.07 0.00	150.58 2.53 0.00	49.28 0.50 0.00	61.03 0.23 0.00	50.08 -0.30 0.00	70.34 -0.04 0.00	49.54 -0.49 -1.44	63.97 -0.25 -5.39	71.62 -0.20 -5.49	92.21 -0.02 -7.15	122.43 -0.09 -6.61	56.50 -0.06 -0.80	66.46 0.00 -2.65	83.60 0.58 -5.63	71.30 0.46 -2.09
FREEPORT_EQUS_GT1 23764	80.83 2.82 -35.30	65.72 2.70 -19.21	70.50 3.06 -14.90	74.27 3.09 -14.88	70.94 3.02 -15.72	72.66 4.11 -7.96	161.68 9.90 -0.97	171.55 11.03 0.00	125.12 7.81 -0.65	119.84 7.54 -10.63	165.04 11.76 -5.23	124.66 4.04 -71.85	109.95 4.93 -44.23	81.00 4.18 -26.45	79.65 5.66 -3.60	59.44 4.08 -6.77	73.05 3.95 -10.26	82.89 4.63 -11.92	102.37 6.20 -11.09	128.25 8.34 -4.01	71.82 4.06 -12.00	71.50 4.45 -3.22	89.33 5.15 -6.79	88.25 4.63 -14.86
FREEPORT___CT2 23818	80.83 2.82 -35.30	65.72 2.70 -19.21	70.50 3.06 -14.90	74.27 3.09 -14.88	70.94 3.02 -15.72	72.66 4.11 -7.96	161.68 9.90 -0.97	171.55 11.03 0.00	125.12 7.81 -0.65	119.84 7.54 -10.63	165.04 11.76 -5.23	124.66 4.04 -71.85	109.95 4.93 -44.23	81.00 4.18 -26.45	79.65 5.66 -3.60	59.44 4.08 -6.77	73.05 3.95 -10.26	82.89 4.63 -11.92	102.37 6.20 -11.09	128.25 8.34 -4.01	71.82 4.06 -12.00	71.50 4.45 -3.22	89.33 5.15 -6.79	88.25 4.63 -14.86
FRESHKLS_33_KV_LOAD 356253	80.75 2.67 -35.37	66.86 2.66 -20.39	70.41 2.96 -14.90	74.17 3.00 -14.88	70.85 2.92 -15.72	72.47 3.92 -7.96	160.99 9.22 -0.97	170.58 10.06 0.00	123.93 6.62 -0.65	118.84 6.52 -10.64	162.86 9.79 -5.02	124.06 3.40 -71.88	109.27 4.23 -44.26	78.88 3.62 -24.88	78.07 4.76 -2.92	65.03 3.56 -12.88	72.42 3.32 -10.26	81.91 3.92 -11.64	100.21 4.77 -10.36	142.76 6.74 -20.12	71.84 3.50 -12.58	72.25 3.79 -4.63	81.44 4.01 -0.05	75.69 3.55 -3.39
FULTON COGEN____ 23766	43.11 -1.52 -1.92	42.34 -1.47 0.00	50.76 -1.78 0.00	54.29 -2.01 0.00	50.40 -1.80 0.00	58.59 -1.99 0.00	145.63 -5.18 0.00	154.86 -5.66 0.00	112.51 -4.14 0.00	98.01 -3.66 0.00	143.25 -5.30 -0.50	54.26 -1.65 -7.15	63.15 -2.04 -4.40	51.09 -1.55 -2.27	68.09 -2.29 0.00	47.02 -1.58 0.00	56.91 -1.93 0.00	64.25 -2.19 -0.10	82.25 -2.94 -0.12	111.91 -3.99 0.00	53.82 -1.93 0.00	61.61 -2.21 0.00	74.64 -2.75 0.00	66.15 -2.60 0.00
FULTON___LFGE 323630	241.36 2.45 -196.21	250.15 2.47 -203.88	213.61 2.95 -158.12	217.44 3.12 -158.03	223.02 2.95 -167.88	149.18 3.62 -84.97	170.53 9.41 -10.31	171.06 10.54 0.00	131.20 7.60 -6.94	221.80 6.61 -113.52	163.51 8.63 -6.84	149.46 2.71 -97.97	124.25 3.15 -60.31	97.62 2.86 -44.39	100.13 3.93 -25.81	98.69 2.61 -47.49	172.03 3.59 -109.61	198.03 4.40 -127.29	209.18 5.62 -118.49	166.35 7.68 -42.77	187.55 3.62 -128.16	102.29 4.07 -34.40	82.20 4.81 0.00	108.96 3.98 -36.22
G.F.CEMENT___DRP 24184	241.97 4.17 -195.09	252.97 4.26 -204.90	216.57 5.12 -158.91	220.46 5.35 -158.82	225.99 5.04 -168.75	151.93 5.93 -85.41	175.47 14.30 -10.36	175.52 15.01 0.00	134.67 11.03 -6.98	226.03 10.25 -114.11	169.55 15.18 -6.33	144.63 5.22 -90.64	123.16 6.57 -55.80	97.79 5.29 -42.13	103.47 7.14 -25.95	101.26 4.93 -47.74	174.77 5.76 -110.18	200.95 6.66 -127.96	212.63 8.44 -119.11	170.07 11.19 -42.99	189.91 5.32 -128.83	104.47 6.07 -34.58	84.48 7.09 0.00	111.33 6.16 -36.41
GARDENVILLE___LBMP 24039	39.35 -3.46 -0.10	40.59 -3.21 0.00	48.64 -3.90 0.00	52.10 -4.20 0.00	48.57 -3.64 0.00	56.51 -4.08 0.00	138.79 -12.02 0.00	146.18 -14.34 0.00	105.18 -10.76 0.72	79.46 -10.34 11.86	132.15 -15.91 -0.02	56.82 -5.08 -13.13	62.76 -6.12 -8.08	50.11 -4.46 -4.19	63.56 -6.82 0.00	43.72 -4.88 0.00	52.82 -6.01 0.00	58.53 -7.14 0.67	73.62 -9.09 2.36	95.68 -11.79 8.42	50.25 -5.51 0.00	58.13 -5.69 0.00	71.19 -6.20 0.00	62.93 -5.82 0.00
GARDNVLA_35_KV_LD 355827	39.63 -3.24 -0.16	40.78 -3.03 0.00	48.89 -3.66 0.00	52.33 -3.97 0.00	48.80 -3.40 0.00	56.79 -3.80 0.00	139.62 -11.19 0.00	147.12 -13.40 0.00	105.97 -9.98 0.71	80.28 -9.70 11.68	133.13 -14.95 -0.04	57.22 -4.75 -13.20	63.19 -5.73 -8.13	50.43 -4.15 -4.21	63.95 -6.44 0.00	44.01 -4.58 0.00	53.19 -5.65 0.00	58.95 -6.72 0.67	74.18 -8.56 2.34	96.48 -11.13 8.29	50.57 -5.19 0.00	58.46 -5.36 0.00	71.59 -5.80 0.00	63.28 -5.47 0.00
GELCKHM___115KV_LOAD 80723	43.54 -1.33 -2.16	42.54 -1.26 0.00	51.02 -1.52 0.00	54.56 -1.73 0.00	50.68 -1.52 0.00	58.90 -1.69 0.00	146.40 -4.41 0.00	155.66 -4.86 0.00	113.08 -3.58 0.00	98.50 -3.17 0.00	143.98 -4.63 -0.56	55.37 -1.44 -8.03	63.94 -1.79 -4.95	51.58 -1.34 -2.55	68.38 -2.01 0.00	47.21 -1.38 0.00	57.11 -1.72 0.00	63.99 -1.91 0.44	82.00 -2.58 0.50	112.39 -3.51 0.00	54.06 -1.69 0.00	61.91 -1.91 0.00	75.03 -2.36 0.00	66.49 -2.27 0.00
GENERAL___MILLS 23808	39.57 -3.29 -0.15	40.75 -3.06 0.00	48.84 -3.70 0.00	52.29 -4.00 0.00	48.76 -3.44 0.00	56.74 -3.85 0.00	139.43 -11.38 0.00	146.86 -13.66 0.00	105.77 -10.18 0.71	80.08 -9.86 11.73	132.87 -15.21 -0.03	57.12 -4.83 -13.18	63.07 -5.84 -8.11	50.33 -4.24 -4.20	63.87 -6.51 0.00	43.94 -4.65 0.00	53.08 -5.75 0.00	58.84 -6.83 0.67	74.02 -8.71 2.34	96.27 -11.30 8.33	50.48 -5.28 0.00	58.37 -5.45 0.00	71.50 -5.89 0.00	63.21 -5.54 0.00
GE_PLASTICS___DRP 24183	135.42 1.60 -91.11	126.71 1.67 -81.24	117.62 2.07 -63.00	121.40 2.14 -62.97	121.01 1.89 -66.92	96.62 2.17 -33.87	159.66 4.74 -4.11	165.08 4.56 0.00	122.93 3.51 -2.77	150.35 3.43 -45.25	159.17 5.03 -6.09	137.80 1.83 -87.20	116.75 2.28 -53.68	85.30 1.95 -32.99	83.21 2.53 -10.29	69.27 1.75 -18.93	104.40 1.87 -43.69	119.19 2.10 -50.75	134.93 2.60 -47.25	136.50 3.55 -17.05	108.80 1.92 -51.11	79.68 2.14 -13.72	79.81 2.42 0.00	85.64 2.44 -14.44
GILBOA___1 23756	72.91 1.49 -28.70	57.49 1.58 -12.10	64.00 2.07 -9.39	67.77 2.10 -9.38	63.93 1.78 -9.94	67.38 1.76 -5.03	155.14 3.72 -0.61	164.13 3.61 0.00	119.75 2.69 -0.41	111.31 2.91 -6.73	157.41 4.53 -4.84	119.77 1.66 -69.34	105.55 2.07 -42.68	74.91 1.73 -22.80	74.19 2.27 -1.53	53.00 1.60 -2.81	66.97 1.64 -6.49	75.72 1.91 -7.46	94.32 2.31 -6.93	121.58 3.14 -2.53	64.98 1.63 -7.59	67.66 1.80 -2.04	79.35 1.97 0.00	72.68 1.79 -2.15
GILBOA___2 23757	72.91 1.49 -28.70	57.49 1.58 -12.10	64.00 2.07 -9.39	67.77 2.10 -9.38	63.93 1.78 -9.94	67.38 1.76 -5.03	155.14 3.72 -0.61	164.13 3.61 0.00	119.75 2.69 -0.41	111.31 2.91 -6.73	157.41 4.53 -4.84	119.77 1.66 -69.34	105.55 2.07 -42.68	74.91 1.73 -22.80	74.19 2.27 -1.53	53.00 1.60 -2.81	66.97 1.64 -6.49	75.72 1.91 -7.46	94.32 2.31 -6.93	121.58 3.14 -2.53	64.98 1.63 -7.59	67.66 1.80 -2.04	79.35 1.97 0.00	72.68 1.79 -2.15



GILBOA___3 23758	72.91 1.49 -28.70	57.49 1.58 -12.10	64.00 2.07 -9.39	67.77 2.10 -9.38	63.93 1.78 -9.94	67.38 1.76 -5.03	155.14 3.72 -0.61	164.13 3.61 0.00	119.75 2.69 -0.41	111.31 2.91 -6.73	157.41 4.53 -4.84	119.77 1.66 -69.34	105.55 2.07 -42.68	74.91 1.73 -22.80	74.19 2.27 -1.53	53.00 1.60 -2.81	66.97 1.64 -6.49	75.72 1.91 -7.46	94.32 2.31 -6.93	121.58 3.14 -2.53	64.98 1.63 -7.59	67.66 1.80 -2.04	79.35 1.97 0.00	72.68 1.79 -2.15
GILBOA___4 23759	72.91 1.49 -28.70	57.49 1.58 -12.10	64.00 2.07 -9.39	67.77 2.10 -9.38	63.93 1.78 -9.94	67.38 1.76 -5.03	155.14 3.72 -0.61	164.13 3.61 0.00	119.75 2.69 -0.41	111.31 2.91 -6.73	157.41 4.53 -4.84	119.77 1.66 -69.34	105.55 2.07 -42.68	74.91 1.73 -22.80	74.19 2.27 -1.53	53.00 1.60 -2.81	66.97 1.64 -6.49	75.72 1.91 -7.46	94.32 2.31 -6.93	121.58 3.14 -2.53	64.98 1.63 -7.59	67.66 1.80 -2.04	79.35 1.97 0.00	72.68 1.79 -2.15
GILBOA___ 23599	72.91 1.49 -28.70	57.49 1.59 -12.10	64.00 2.07 -9.39	67.77 2.10 -9.38	63.93 1.78 -9.94	67.38 1.76 -5.03	155.14 3.72 -0.61	164.11 3.59 0.00	119.76 2.69 -0.41	111.33 2.93 -6.73	157.41 4.53 -4.84	119.77 1.66 -69.34	105.56 2.08 -42.68	74.91 1.73 -22.80	74.19 2.27 -1.53	53.01 1.60 -2.81	66.98 1.65 -6.49	75.72 1.92 -7.46	94.32 2.31 -6.93	121.59 3.15 -2.53	64.98 1.63 -7.59	67.66 1.80 -2.04	79.36 1.97 0.00	72.69 1.79 -2.15
GINNA___ 23603	39.59 -4.01 -0.89	39.95 -3.86 0.00	47.90 -4.64 0.00	51.28 -5.02 0.00	47.73 -4.47 0.00	55.59 -5.00 0.00	137.72 -13.09 0.00	145.93 -14.58 0.00	105.43 -10.85 0.38	85.36 -10.07 6.23	133.02 -15.25 -0.23	53.92 -4.86 -10.01	60.99 -5.96 -6.16	48.95 -4.60 -3.18	63.66 -6.72 0.00	43.92 -4.67 0.00	53.15 -5.68 0.00	59.05 -6.54 0.75	74.91 -8.47 1.70	100.03 -11.48 4.39	50.27 -5.49 0.00	57.72 -6.10 0.00	70.27 -7.12 0.00	62.26 -6.50 0.00
GLEN PARK___ 23778	44.19 0.24 -1.24	44.18 0.38 0.00	53.45 0.91 0.00	57.24 0.94 0.00	53.30 1.10 0.00	60.95 0.36 0.00	153.70 2.89 0.00	163.31 2.79 0.00	118.19 1.54 0.00	102.53 0.87 0.00	149.63 1.26 -0.32	54.08 0.71 -4.61	64.15 0.52 -2.84	52.16 0.33 -1.46	73.56 3.18 0.00	51.11 2.51 0.00	61.93 3.09 0.00	68.74 2.40 0.00	86.88 1.80 0.00	118.26 2.36 0.00	56.77 1.02 0.00	64.46 0.64 0.00	78.12 0.73 0.00	68.94 0.19 0.00
GLENDALE_27_KV_LOAD 356172	80.62 2.60 -35.31	65.58 2.56 -19.21	70.38 2.94 -14.90	74.14 2.96 -14.88	70.81 2.88 -15.72	72.34 3.79 -7.96	161.07 9.30 -0.97	170.98 10.45 0.00	124.41 7.11 -0.65	119.21 6.91 -10.63	163.95 10.88 -5.02	124.48 3.84 -71.87	109.80 4.77 -44.24	78.31 3.87 -24.07	77.99 5.19 -2.42	56.72 3.68 -4.45	72.75 3.65 -10.26	82.66 4.32 -11.99	101.69 5.27 -11.35	127.06 7.15 -4.01	71.35 3.59 -12.00	70.95 3.91 -3.22	81.61 4.22 0.00	75.92 3.77 -3.39
GLENWOOD_IC_1_G5 23712	80.92 2.91 -35.30	65.83 2.81 -19.21	70.65 3.21 -14.90	74.41 3.23 -14.88	71.07 3.14 -15.72	72.78 4.23 -7.96	162.08 10.30 -0.97	171.98 11.46 0.00	125.46 8.15 -0.65	120.16 7.86 -10.63	165.48 12.21 -5.23	124.84 4.22 -71.85	110.19 5.17 -44.23	81.18 4.36 -26.44	79.88 5.90 -3.60	59.58 4.21 -6.77	73.33 4.23 -10.26	83.28 5.02 -11.92	102.56 6.39 -11.09	128.48 8.58 -4.01	71.97 4.21 -12.00	71.58 4.54 -3.22	89.29 5.11 -6.79	87.89 4.28 -14.86
GLENWOOD_IC_2_G1 23688	80.85 2.84 -35.30	65.77 2.75 -19.21	70.57 3.14 -14.90	74.33 3.16 -14.88	70.99 3.07 -15.72	72.68 4.14 -7.96	161.81 10.04 -0.97	171.68 11.16 0.00	125.21 7.90 -0.65	119.94 7.64 -10.63	165.13 11.86 -5.23	124.72 4.11 -71.85	110.06 5.04 -44.23	81.08 4.26 -26.45	79.72 5.74 -3.60	59.48 4.11 -6.77	73.21 4.11 -10.26	83.15 4.89 -11.92	102.39 6.21 -11.09	128.25 8.34 -4.01	71.86 4.10 -12.00	71.46 4.42 -3.22	89.08 4.91 -6.79	87.89 4.27 -14.86
GLENWOOD_IC_3_G1 23689	80.85 2.84 -35.30	65.77 2.75 -19.21	70.57 3.14 -14.90	74.33 3.16 -14.88	70.99 3.07 -15.72	72.68 4.14 -7.96	161.81 10.04 -0.97	171.68 11.16 0.00	125.21 7.90 -0.65	119.94 7.64 -10.63	165.13 11.86 -5.23	124.72 4.11 -71.85	110.06 5.04 -44.23	81.08 4.26 -26.45	79.72 5.74 -3.60	59.48 4.11 -6.77	73.21 4.11 -10.26	83.15 4.89 -11.92	102.39 6.21 -11.09	128.25 8.34 -4.01	71.86 4.10 -12.00	71.46 4.42 -3.22	89.08 4.91 -6.79	87.89 4.27 -14.86
GLENWOOD___4 23550	80.92 2.91 -35.30	65.83 2.81 -19.21	70.65 3.21 -14.90	74.41 3.23 -14.88	71.07 3.14 -15.72	72.78 4.23 -7.96	162.08 10.30 -0.97	171.98 11.46 0.00	125.46 8.15 -0.65	120.16 7.86 -10.63	165.48 12.21 -5.23	124.84 4.22 -71.85	110.19 5.17 -44.23	81.18 4.36 -26.44	79.88 5.90 -3.60	59.58 4.21 -6.77	73.33 4.23 -10.26	83.28 5.02 -11.92	102.56 6.39 -11.09	128.48 8.58 -4.01	71.97 4.21 -12.00	71.58 4.54 -3.22	89.29 5.12 -6.79	87.96 4.34 -14.86
GLENWOOD___5 23614	80.92 2.91 -35.30	65.83 2.81 -19.21	70.65 3.21 -14.90	74.41 3.23 -14.88	71.07 3.14 -15.72	72.78 4.23 -7.96	162.08 10.30 -0.97	171.98 11.46 0.00	125.46 8.15 -0.65	120.16 7.86 -10.63	165.48 12.21 -5.23	124.84 4.22 -71.85	110.19 5.17 -44.23	81.18 4.36 -26.44	79.88 5.90 -3.60	59.58 4.21 -6.77	73.33 4.23 -10.26	83.28 5.02 -11.92	102.56 6.39 -11.09	128.48 8.58 -4.01	71.97 4.21 -12.00	71.58 4.54 -3.22	89.29 5.12 -6.79	87.96 4.34 -14.86
GLOBAL GREEN_PORT_GT1 23814	81.02 3.00 -35.30	65.80 2.78 -19.21	70.54 3.10 -14.90	74.26 3.09 -14.88	71.05 3.13 -15.72	72.94 4.39 -7.96	158.20 6.42 -0.97	171.38 10.86 0.00	125.40 8.09 -0.65	120.85 8.55 -10.63	166.78 13.51 -5.23	124.23 3.62 -71.85	108.00 2.98 -44.23	79.34 2.52 -26.45	77.35 3.36 -3.60	58.09 2.73 -6.77	73.03 3.93 -10.26	83.16 4.91 -11.92	102.63 6.46 -11.09	128.43 8.53 -4.01	71.74 3.98 -12.00	71.37 4.33 -3.22	89.92 5.74 -6.79	88.43 4.82 -14.86
GLOBE___DSASP 323697	38.28 -4.79 -0.36	39.44 -4.37 0.00	47.34 -5.20 0.00	50.70 -5.59 0.00	47.23 -4.97 0.00	54.92 -5.67 0.00	134.18 -16.63 0.00	140.54 -19.98 0.00	101.29 -14.75 0.62	77.48 -13.95 10.23	126.33 -21.80 -0.09	54.00 -7.11 -12.33	59.70 -8.69 -7.59	47.72 -6.58 -3.93	60.78 -9.60 0.00	41.84 -6.75 0.00	50.46 -8.37 0.00	55.71 -9.92 0.70	70.16 -12.74 2.18	91.72 -16.94 7.24	47.74 -8.02 0.00	55.24 -8.58 0.00	68.10 -9.29 0.00	60.49 -8.26 0.00
GOETHSLN___LBMP 323567	80.08 2.05 -35.31	65.03 2.01 -19.21	69.73 2.29 -14.90	73.46 2.28 -14.88	70.18 2.26 -15.72	71.61 3.06 -7.96	159.01 7.24 -0.97	168.76 8.24 0.00	122.80 5.50 -0.65	117.72 5.41 -10.63	161.68 8.62 -5.02	123.70 3.07 -71.87	108.85 3.81 -44.24	77.52 3.08 -24.07	76.88 4.11 -2.39	55.64 2.91 -4.15	71.87 2.77 -10.26	81.00 3.34 -11.32	98.80 4.01 -9.72	123.94 5.43 -2.61	70.51 2.75 -12.00	70.02 2.98 -3.22	80.48 3.10 0.00	74.93 2.78 -3.39
GOLAH___69_KV_TB 1_2 80279	41.00 -2.48 -0.77	41.56 -2.25 0.00	49.84 -2.70 0.00	53.37 -2.92 0.00	49.70 -2.50 0.00	57.89 -2.70 0.00	143.16 -7.65 0.00	151.49 -9.03 0.00	109.31 -6.93 0.42	87.85 -6.85 6.96	137.35 -10.89 -0.20	55.75 -3.43 -6.40	63.14 -4.06 -3.31	50.77 -2.91 0.00	65.91 -4.48 0.00	45.40 -3.85 0.00	54.99 -3.85 0.00	61.17 -4.42 0.75	77.62 -5.65 1.80	103.44 -7.52 4.94	52.16 -3.59 0.00	60.01 -3.81 0.00	73.28 -4.10 0.00	64.88 -3.87 0.00



GOODYEAR_LAKE_HYD 323669	102.34 1.16 -58.47	107.89 1.21 -62.87	102.81 1.51 -48.76	106.58 1.55 -48.73	105.44 1.48 -51.75	88.58 1.80 -26.19	158.53 4.54 -3.18	165.57 5.06 0.00	122.42 3.62 -2.14	140.06 3.40 -35.00	154.55 4.92 -1.58	73.00 1.62 -22.61	76.70 1.99 -13.92	63.35 1.71 -11.27	80.48 2.14 -7.96	64.66 1.43 -14.64	94.35 1.73 -33.79	107.54 2.10 -39.10	124.13 2.69 -36.36	132.80 3.72 -13.18	97.06 1.79 -39.51	76.37 1.94 -10.61	79.58 2.20 0.00	81.65 1.73 -11.17
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	54.10 -0.58 -11.97	52.18 -0.51 -8.88	58.90 -0.53 -6.89	62.46 -0.72 -6.89	58.99 -0.51 -7.30	63.63 -0.65 -3.70	149.17 -2.09 -0.45	158.19 -2.33 0.00	114.72 -1.85 0.09	98.48 -1.67 1.52	147.21 -2.02 -1.18	72.17 -0.54 -23.94	74.90 -0.63 -14.74	58.11 -0.44 -8.18	70.56 -0.95 -1.12	49.92 -0.74 -2.06	62.71 -0.89 -4.76	70.57 -1.00 -5.23	87.59 -1.43 -3.95	111.52 -1.72 2.66	60.49 -0.83 -5.57	64.52 -0.80 -1.50	76.33 -1.05 0.00	69.21 -1.12 -1.58
GOUDEY___7 23579	54.10 -0.58 -11.97	52.18 -0.51 -8.88	58.90 -0.53 -6.89	62.46 -0.72 -6.89	58.99 -0.51 -7.30	63.63 -0.65 -3.70	149.17 -2.09 -0.45	158.19 -2.33 0.00	114.72 -1.85 0.09	98.48 -1.67 1.52	147.21 -2.02 -1.18	72.17 -0.54 -23.94	74.90 -0.63 -14.74	58.11 -0.44 -8.18	70.56 -0.95 -1.12	49.92 -0.74 -2.06	62.71 -0.89 -4.76	70.57 -1.00 -5.23	87.59 -1.43 -3.95	111.52 -1.72 2.66	60.49 -0.83 -5.57	64.52 -0.80 -1.50	76.33 -1.05 0.00	69.21 -1.12 -1.58
GOUDEY___8 23580	54.10 -0.58 -11.97	52.18 -0.51 -8.88	58.90 -0.53 -6.89	62.46 -0.72 -6.89	58.99 -0.51 -7.30	63.63 -0.65 -3.70	149.17 -2.09 -0.45	158.19 -2.33 0.00	114.72 -1.85 0.09	98.48 -1.67 1.52	147.21 -2.02 -1.18	72.17 -0.54 -23.94	74.90 -0.63 -14.74	58.11 -0.44 -8.18	70.56 -0.95 -1.12	49.92 -0.74 -2.06	62.71 -0.89 -4.76	70.57 -1.00 -5.23	87.59 -1.43 -3.95	111.52 -1.72 2.66	60.49 -0.83 -5.57	64.52 -0.80 -1.50	76.33 -1.05 0.00	69.21 -1.12 -1.58
GOWANUS_GT1_1 24077	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT1_2 24078	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT1_3 24079	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT1_4 24080	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT1_5 24084	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT1_6 24111	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT1_7 24112	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT1_8 24113	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT2_1 24114	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT2_2 24115	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT2_3 24116	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39



GOWANUS_GT2_4 24117	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT2_5 24118	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT2_6 24119	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT2_7 24120	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT2_8 24121	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_1 24122	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_2 24123	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_3 24124	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_4 24125	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_5 24126	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_6 24127	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_7 24128	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT3_8 24129	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
GOWANUS_GT4_1 24130	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT4_2 24131	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39



GOWANUS_GT4_3 24132	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -24.88	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT4_4 24133	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -24.88	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT4_5 24134	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -24.88	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT4_6 24135	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -24.88	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT4_7 24136	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -24.88	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GOWANUS_GT4_8 24137	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -24.88	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.99 4.27 -17.38	120.62 5.21 -30.33	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GREENBSH_115KV_TB3 55895	156.36 1.68 -111.96	151.70 1.76 -106.13	137.07 2.22 -82.31	140.85 2.29 -82.26	141.65 2.01 -87.43	107.13 2.29 -44.25	161.19 5.01 -5.37	165.16 4.65 0.00	123.91 3.63 -3.62	164.35 3.56 -59.13	159.22 5.06 -6.12	138.25 1.87 -87.61	117.06 2.33 -53.93	87.15 2.04 -34.74	86.42 2.60 -13.44	75.11 1.79 -24.73	117.83 1.91 -57.09	134.62 1.99 -66.30	149.22 2.43 -61.71	141.54 3.36 -22.27	124.41 1.90 -66.75	83.85 2.12 -17.92	79.79 2.40 0.00	90.19 2.58 -18.86
GREENDGE_115KV_TB5 80291	39.76 -1.30 1.64	47.94 -1.20 -5.33	55.13 -1.54 -4.13	58.58 -1.84 -4.12	55.19 -1.39 -4.37	61.10 -1.70 -2.22	144.64 -6.44 -0.27	152.63 -7.89 0.00	108.73 -5.97 1.96	64.15 -5.08 32.44	138.41 -8.03 1.60	61.93 -2.30 -15.46	67.69 -2.62 -9.52	53.89 -1.74 -5.26	67.91 -3.15 -0.67	47.81 -2.03 -1.24	59.30 -2.39 -2.86	66.62 -2.55 -2.83	79.21 -3.70 2.16	87.01 -5.15 23.74	57.14 -1.96 -3.34	62.77 -1.95 -0.90	74.75 -2.64 0.00	67.13 -2.57 -0.94
GREENIDGE___3 23582	39.76 -1.30 1.64	47.94 -1.20 -5.33	55.13 -1.54 -4.13	58.58 -1.84 -4.12	55.19 -1.39 -4.37	61.10 -1.70 -2.22	144.64 -6.44 -0.27	152.63 -7.89 0.00	108.73 -5.97 1.96	64.15 -5.08 32.44	138.41 -8.03 1.60	61.93 -2.30 -15.46	67.69 -2.62 -9.52	53.89 -1.74 -5.26	67.91 -3.15 -0.67	47.81 -2.03 -1.24	59.30 -2.39 -2.86	66.62 -2.55 -2.83	79.21 -3.70 2.16	87.01 -5.15 23.74	57.14 -1.96 -3.34	62.77 -1.95 -0.90	74.75 -2.64 0.00	67.13 -2.57 -0.94
GREENIDGE___4 23583	39.76 -1.30 1.64	47.94 -1.20 -5.33	55.13 -1.54 -4.13	58.58 -1.84 -4.12	55.18 -1.40 -4.37	61.10 -1.70 -2.22	144.64 -6.44 -0.27	152.63 -7.89 0.00	108.72 -5.98 1.96	64.05 -5.18 32.44	138.39 -8.05 1.60	61.94 -2.29 -15.46	67.69 -2.62 -9.52	53.88 -1.75 -5.26	67.91 -3.15 -0.67	47.80 -2.03 -1.24	59.29 -2.40 -2.86	66.62 -2.55 -2.83	79.23 -3.69 2.16	87.01 -5.15 23.74	57.14 -1.96 -3.34	62.76 -1.96 -0.90	74.76 -2.63 0.00	67.13 -2.57 -0.94
GREENLWN_69_KV_BK 3 55738	80.70 2.69 -35.30	65.63 2.62 -19.21	70.43 2.99 -14.90	74.17 3.00 -14.88	70.85 2.93 -15.72	72.53 3.99 -7.96	161.29 9.51 -0.97	170.85 10.33 0.00	124.69 7.38 -0.65	119.59 7.29 -10.63	164.49 11.22 -5.23	124.52 3.90 -71.85	109.76 4.74 -44.23	80.90 4.08 -26.44	79.53 5.54 -3.60	59.36 3.99 -6.77	72.92 3.82 -10.26	82.69 4.43 -11.92	101.86 5.69 -11.09	127.52 7.62 -4.01	71.50 3.75 -12.00	71.22 4.18 -3.22	89.16 4.99 -6.79	88.02 4.40 -14.86
GREENWD_138_KV_38B11_REV_LBMP_J 345004	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -24.88	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.83 4.27 -12.22	102.66 5.21 -12.38	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39
GRISSOM___SOLAR 323813	243.91 2.53 -198.68	253.50 2.57 -207.13	216.23 3.05 -160.63	220.06 3.22 -160.54	225.78 3.03 -170.55	150.59 3.68 -86.32	170.75 9.47 -10.47	171.06 10.54 0.00	131.29 7.58 -7.06	223.57 6.57 -115.33	163.33 8.50 -6.78	148.53 2.67 -97.09	123.68 3.12 -59.76	97.57 2.87 -44.32	100.59 3.98 -26.22	99.50 2.66 -48.25	173.82 3.63 -111.36	200.12 4.45 -129.32	211.11 5.66 -120.38	167.07 7.72 -43.45	189.63 3.67 -130.20	102.88 4.11 -34.95	82.23 4.84 0.00	109.61 4.06 -36.80
GROVEVILLE___HYD 323602	81.24 2.56 -35.97	66.27 2.54 -19.92	70.99 3.00 -15.45	74.77 3.05 -15.43	71.43 2.92 -16.31	72.55 3.71 -8.26	160.78 8.96 -1.00	170.64 10.12 0.00	124.97 7.63 -0.69	120.09 7.21 -11.21	164.23 11.07 -5.12	125.97 3.89 -73.31	110.76 4.84 -45.13	78.92 3.95 -24.59	77.79 4.90 -2.51	56.67 3.46 -4.61	73.13 3.65 -10.65	83.06 4.36 -12.36	101.99 5.41 -11.51	127.46 7.40 -4.15	71.90 3.70 -12.44	71.23 4.07 -3.34	81.87 4.49 0.00	76.15 3.88 -3.52
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	44.05 -1.01 -2.35	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.08 -1.12 0.00	59.39 -1.20 0.00	147.62 -3.19 0.00	156.96 -3.56 0.00	114.01 -2.64 0.00	99.32 -2.35 0.00	145.24 -3.41 -0.61	56.49 -1.04 -8.76	64.89 -1.30 -5.39	52.22 -0.93 -2.78	68.93 -1.45 0.00	47.59 -1.01 0.00	57.59 -1.25 0.00	64.74 -1.34 0.26	82.95 -1.82 0.30	113.42 -2.49 0.00	54.55 -1.21 0.00	62.46 -1.36 0.00	75.67 -1.72 0.00	67.03 -1.72 0.00



HAMLTNNY_34_KV_TB 80303	44.21 -0.97 -2.48	42.89 -0.92 0.00	51.45 -1.09 0.00	54.98 -1.31 0.00	51.13 -1.07 0.00	59.45 -1.14 0.00	147.75 -3.06 0.00	157.11 -3.41 0.00	114.04 -2.61 0.00	99.32 -2.35 0.00	145.16 -3.52 -0.64	56.96 -1.04 -9.23	65.17 -1.30 -5.68	52.41 -0.90 -2.93	68.92 -1.47 0.00	47.57 -1.02 0.00	57.53 -1.30 0.00	64.78 -1.31 0.25	82.96 -1.83 0.29	113.45 -2.45 0.00	54.58 -1.18 0.00	62.53 -1.29 0.00	75.76 -1.63 0.00	67.08 -1.68 0.00
HAMPSHIRE___PAPER_HYD 323593	43.52 0.21 -0.61	44.05 0.24 0.00	52.99 0.44 0.00	56.72 0.43 0.00	52.58 0.38 0.00	60.68 0.09 0.00	152.72 1.91 0.00	161.25 0.73 0.00	116.77 0.12 0.00	101.12 -0.55 0.00	147.76 -0.44 -0.16	50.88 -0.15 -2.26	61.80 -0.38 -1.39	50.60 -0.49 -0.72	71.40 1.02 0.00	49.10 0.51 0.00	59.58 0.74 0.00	66.78 0.44 0.00	84.79 -0.29 0.00	115.40 -0.50 0.00	55.49 -0.27 0.00	63.36 -0.46 0.00	77.40 0.02 0.00	68.61 -0.14 0.00
HARDSCRABBLE_WT_PWR 323673	43.74 1.03 0.00	44.85 1.05 0.00	53.88 1.34 0.00	57.61 1.31 0.00	53.51 1.31 0.00	61.98 1.39 0.00	154.26 3.45 0.00	164.35 3.83 0.00	120.17 3.51 0.00	105.91 4.24 0.00	154.09 6.05 0.00	50.84 2.07 0.00	63.37 2.58 0.00	52.61 2.24 0.00	72.69 2.31 0.00	50.08 1.49 0.00	60.62 1.79 0.00	68.60 2.26 0.00	87.88 2.80 0.00	119.55 3.65 0.00	57.56 1.80 0.00	65.97 2.14 0.00	79.57 2.18 0.00	70.69 1.94 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	77.88 2.03 -33.13	63.80 2.01 -17.98	68.83 2.34 -13.94	72.62 2.40 -13.93	69.23 2.30 -14.72	71.06 3.02 -7.45	158.91 7.19 -0.90	168.56 8.04 0.00	122.65 5.38 -0.61	116.93 5.32 -9.94	161.06 8.31 -4.71	119.16 2.97 -67.43	106.01 3.71 -41.51	75.96 3.01 -22.57	76.72 4.07 -2.26	55.64 2.89 -4.17	71.42 2.97 -9.61	81.07 3.57 -11.16	99.82 4.35 -10.39	125.62 5.97 -3.75	69.99 3.00 -11.24	70.10 3.26 -3.02	80.92 3.53 0.00	74.99 3.06 -3.17
HARSNRAD_115KV_TB1 81005	38.47 -4.60 -0.36	39.52 -4.29 0.00	47.39 -5.16 0.00	50.75 -5.54 0.00	47.29 -4.91 0.00	55.10 -5.49 0.00	134.99 -15.82 0.00	141.87 -18.65 0.00	102.09 -13.84 0.73	77.31 -13.00 11.36	127.56 -20.42 0.06	54.36 -6.59 -12.18	60.70 -7.59 -7.50	48.75 -5.50 -3.88	62.15 -8.23 0.00	42.79 -5.81 0.00	51.63 -7.20 0.00	57.09 -8.54 0.70	72.06 -10.86 2.15	94.47 -14.33 7.10	48.99 -6.77 0.00	56.62 -7.20 0.00	69.70 -7.68 0.00	61.79 -6.96 0.00
HARZA MOOSE___RIVER 24016	44.10 0.63 -0.75	44.64 0.83 0.00	53.95 1.41 0.00	57.43 1.13 0.00	53.15 0.95 0.00	61.49 0.90 0.00	154.16 3.35 0.00	163.02 2.50 0.00	118.42 1.76 0.00	103.01 1.34 0.00	150.30 2.06 -0.20	52.40 0.83 -2.80	63.49 0.98 -1.72	52.06 0.80 -0.89	73.13 2.74 0.00	50.51 1.92 0.00	61.20 2.37 0.00	68.56 2.33 0.11	86.66 1.71 0.12	118.12 2.22 0.00	56.78 1.02 0.00	64.48 0.66 0.00	78.17 0.79 0.00	69.34 0.59 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	43.52 -1.36 -2.16	42.51 -1.30 0.00	50.98 -1.57 0.00	54.51 -1.79 0.00	50.61 -1.59 0.00	58.84 -1.75 0.00	146.24 -4.58 0.00	155.50 -5.02 0.00	112.96 -3.69 0.00	98.40 -3.27 0.00	143.86 -4.75 -0.56	55.36 -1.46 -8.05	63.94 -1.81 -4.96	51.58 -1.35 -2.56	68.32 -2.06 0.00	47.17 -1.42 0.00	57.08 -1.76 0.00	63.88 -2.00 0.46	81.89 -2.66 0.53	112.28 -3.63 0.00	54.00 -1.76 0.00	61.85 -1.97 0.00	74.95 -2.44 0.00	66.41 -2.35 0.00
HELLGATE_13_KV_LD 55870	80.43 2.40 -35.31	65.40 2.38 -19.21	70.17 2.73 -14.90	73.93 2.74 -14.88	70.60 2.67 -15.72	72.09 3.54 -7.96	160.43 8.65 -0.97	170.21 9.69 0.00	123.81 6.50 -0.65	118.68 6.38 -10.63	163.16 10.09 -5.02	124.23 3.59 -71.87	109.47 4.44 -44.24	78.03 3.58 -24.07	77.61 4.81 -2.42	56.46 3.42 -4.45	72.42 3.32 -10.26	82.20 3.94 -11.92	100.94 4.76 -11.10	126.38 6.48 -4.01	71.05 3.29 -12.00	70.60 3.55 -3.22	81.19 3.80 0.00	75.57 3.43 -3.39
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	80.43 2.40 -35.31	65.40 2.38 -19.21	70.17 2.73 -14.90	73.93 2.74 -14.88	70.60 2.67 -15.72	72.09 3.54 -7.96	160.43 8.65 -0.97	170.21 9.69 0.00	123.81 6.50 -0.65	118.68 6.38 -10.63	163.16 10.09 -5.02	124.23 3.59 -71.87	109.47 4.44 -44.24	78.03 3.58 -24.07	77.61 4.81 -2.42	56.46 3.42 -4.45	72.42 3.32 -10.26	82.20 3.94 -11.92	100.94 4.76 -11.10	126.38 6.48 -4.01	71.05 3.29 -12.00	70.60 3.55 -3.22	81.19 3.80 0.00	75.57 3.43 -3.39
HEMPSTEAD____ 23647	80.62 2.61 -35.30	65.50 2.49 -19.21	70.26 2.82 -14.90	74.00 2.82 -14.88	70.69 2.77 -15.72	72.34 3.79 -7.96	160.94 9.16 -0.97	170.78 10.26 0.00	124.62 7.32 -0.65	119.40 7.11 -10.63	164.43 11.16 -5.23	124.46 3.85 -71.85	109.70 4.68 -44.23	80.79 3.97 -26.45	79.35 5.36 -3.60	59.22 3.85 -6.77	72.88 3.78 -10.26	82.74 4.48 -11.92	101.95 5.78 -11.09	127.66 7.76 -4.01	71.54 3.79 -12.00	71.16 4.12 -3.22	88.88 4.70 -6.79	87.72 4.10 -14.86
HEWLETT_69_KV_BK3 55828	80.89 2.88 -35.30	65.79 2.78 -19.21	70.62 3.18 -14.90	74.39 3.21 -14.88	71.04 3.11 -15.72	72.73 4.18 -7.96	161.60 9.82 -0.97	171.40 10.87 0.00	124.94 7.64 -0.65	119.92 7.63 -10.63	164.85 11.57 -5.23	124.75 4.14 -71.85	110.09 5.07 -44.23	81.10 4.28 -26.44	79.76 5.77 -3.60	59.50 4.14 -6.77	73.25 4.15 -10.26	83.15 4.89 -11.92	102.38 6.21 -11.09	128.32 8.41 -4.01	71.88 4.12 -12.00	71.57 4.53 -3.22	89.40 5.23 -6.79	88.27 4.65 -14.86
HICKLING___1 23621	42.46 -1.52 -1.27	48.96 -1.48 -6.64	55.95 -1.74 -5.15	59.31 -2.13 -5.14	56.01 -1.64 -5.46	61.34 -2.01 -2.76	145.56 -5.58 -0.34	154.18 -6.34 0.00	110.00 -4.91 1.75	67.83 -4.91 28.93	141.05 -5.87 1.12	66.24 -1.78 -19.25	70.50 -2.14 -11.85	55.32 -1.59 -6.54	68.24 -2.99 -0.84	47.98 -2.16 -1.54	59.94 -2.46 -3.56	67.32 -2.73 -3.71	80.53 -3.59 0.96	90.03 -4.36 21.51	57.81 -2.11 -4.16	62.90 -2.03 -1.12	74.72 -2.66 0.00	67.14 -2.78 -1.18
HICKLING___2 23622	42.46 -1.52 -1.27	48.96 -1.48 -6.64	55.95 -1.74 -5.15	59.31 -2.13 -5.14	56.01 -1.64 -5.46	61.34 -2.01 -2.76	145.56 -5.58 -0.34	154.18 -6.34 0.00	110.00 -4.91 1.75	67.83 -4.91 28.93	141.05 -5.87 1.12	66.24 -1.78 -19.25	70.50 -2.14 -11.85	55.32 -1.59 -6.54	68.24 -2.99 -0.84	47.98 -2.16 -1.54	59.94 -2.46 -3.56	67.32 -2.73 -3.71	80.53 -3.59 0.96	90.03 -4.36 21.51	57.81 -2.11 -4.16	62.90 -2.03 -1.12	74.72 -2.66 0.00	67.14 -2.78 -1.18
HIGH FALLS___HY 23754	87.38 2.45 -42.22	73.79 2.44 -27.54	76.76 2.85 -21.36	80.56 2.92 -21.34	77.62 2.81 -22.61	75.65 3.61 -11.44	161.11 8.92 -1.39	170.64 10.11 0.00	124.33 6.74 -0.93	123.36 6.42 -15.26	162.94 9.90 -5.00	123.75 3.41 -71.56	109.09 4.25 -44.05	78.25 3.36 -24.51	78.56 4.69 -3.48	58.35 3.36 -6.40	77.09 3.50 -14.77	87.75 4.28 -17.13	106.38 5.36 -15.94	129.00 7.35 -5.75	76.64 3.65 -17.23	72.42 3.97 -4.63	81.72 4.34 0.00	77.26 3.63 -4.87
HIGH_RIVER___SOLAR 323847	252.24 1.98 -207.55	264.62 2.01 -218.81	224.66 2.42 -169.70	228.43 2.54 -169.60	234.72 2.35 -180.17	154.59 2.81 -91.19	168.85 6.97 -11.07	168.07 7.55 0.00	129.60 5.49 -7.45	228.53 5.02 -121.84	161.62 7.02 -6.56	144.99 2.33 -93.89	121.33 2.74 -57.80	96.81 2.37 -44.07	101.35 3.26 -27.70	101.79 2.22 -50.97	179.26 2.78 -117.64	206.28 3.32 -136.61	216.38 4.13 -127.17	167.39 5.59 -45.89	196.00 2.69 -137.55	103.76 3.02 -36.92	80.88 3.49 0.00	110.64 3.01 -38.87



HILLBURN___GT 23639	78.14 1.85 -33.59	63.86 1.82 -18.23	68.79 2.11 -14.14	72.56 2.14 -14.13	69.21 2.08 -14.93	70.96 2.82 -7.55	158.31 6.58 -0.92	167.87 7.36 0.00	122.06 4.79 -0.62	116.55 4.81 -10.08	160.39 7.57 -4.78	119.91 2.76 -68.38	106.36 3.47 -42.10	76.08 2.81 -22.89	76.42 3.74 -2.30	55.48 2.67 -4.22	71.23 2.65 -9.74	80.84 3.19 -11.31	99.45 3.84 -10.53	125.03 5.33 -3.80	69.85 2.70 -11.39	69.79 2.91 -3.06	80.50 3.11 0.00	74.71 2.74 -3.22
HILLSIDE_115KV_TB1 80332	43.06 -1.87 -2.22	48.85 -1.83 -6.87	55.84 -2.03 -5.33	59.17 -2.45 -5.33	55.90 -1.95 -5.65	60.99 -2.46 -2.86	144.37 -6.79 -0.35	153.09 -7.43 0.00	109.39 -5.65 1.62	69.56 -5.31 26.80	140.31 -6.81 0.93	66.65 -2.01 -19.89	70.57 -2.46 -12.24	55.23 -1.90 -6.76	67.99 -3.26 -0.87	47.82 -2.37 -1.60	59.75 -2.76 -3.68	67.07 -3.14 -3.88	80.34 -4.20 0.53	90.58 -5.28 20.05	57.51 -2.55 -4.31	62.44 -2.54 -1.16	74.18 -3.20 0.00	66.79 -3.18 -1.22
HISHELDN_WT_PWR 323625	42.69 -3.43 -3.41	45.06 -3.49 -4.74	51.61 -4.61 -3.67	54.97 -5.00 -3.67	51.73 -4.36 -3.89	57.75 -4.81 -1.97	137.45 -13.60 -0.24	144.43 -16.09 0.00	104.03 -11.88 0.74	78.06 -11.28 12.33	132.39 -15.51 0.15	57.96 -4.90 -14.09	63.59 -5.88 -8.67	50.82 -4.35 -4.80	63.74 -7.25 -0.60	44.46 -5.24 -1.11	55.03 -6.36 -2.56	61.34 -7.34 -2.34	75.99 -9.13 -0.05	94.77 -11.56 9.57	53.32 -5.43 -2.99	58.83 -5.79 -0.80	70.77 -6.62 0.00	63.25 -6.35 -0.85
HOLTSVILLE_IC_1 23690	81.11 3.10 -35.30	65.95 2.93 -19.21	70.77 3.33 -14.90	74.54 3.37 -14.88	71.23 3.30 -15.72	73.04 4.50 -7.96	162.06 10.28 -0.97	172.22 11.70 0.00	125.23 7.92 -0.65	120.27 7.97 -10.63	166.07 12.80 -5.23	124.70 4.08 -71.85	109.89 4.87 -44.23	81.01 4.18 -26.45	79.68 5.69 -3.60	59.53 4.17 -6.77	73.33 4.24 -10.26	83.29 5.03 -11.92	102.71 6.55 -11.09	128.62 8.71 -4.01	71.95 4.19 -12.00	71.65 4.61 -3.22	89.95 5.77 -6.79	88.60 4.98 -14.86
HOLTSVILLE_IC_10 23699	81.36 3.35 -35.30	66.17 3.15 -19.21	71.03 3.59 -14.90	74.82 3.64 -14.88	71.49 3.57 -15.72	73.37 4.83 -7.96	162.86 11.09 -0.97	173.21 12.69 0.00	125.87 8.56 -0.65	120.87 8.57 -10.63	167.09 13.81 -5.23	124.99 4.38 -71.85	110.25 5.23 -44.23	81.30 4.49 -26.45	80.08 6.09 -3.60	59.83 4.46 -6.77	73.69 4.59 -10.26	83.72 5.46 -11.92	103.29 7.12 -11.09	129.40 9.49 -4.01	72.31 4.56 -12.00	72.05 5.00 -3.22	90.44 6.26 -6.79	89.01 5.39 -14.86
HOLTSVILLE_IC_2 23691	81.11 3.10 -35.30	65.95 2.93 -19.21	70.77 3.33 -14.90	74.54 3.37 -14.88	71.23 3.30 -15.72	73.04 4.50 -7.96	162.06 10.28 -0.97	172.22 11.70 0.00	125.23 7.92 -0.65	120.27 7.97 -10.63	166.07 12.80 -5.23	124.70 4.08 -71.85	109.89 4.87 -44.23	81.01 4.18 -26.45	79.68 5.69 -3.60	59.53 4.17 -6.77	73.33 4.24 -10.26	83.29 5.03 -11.92	102.71 6.55 -11.09	128.62 8.71 -4.01	71.95 4.19 -12.00	71.65 4.61 -3.22	89.95 5.77 -6.79	88.60 4.98 -14.86
HOLTSVILLE_IC_3 23692	81.11 3.10 -35.30	65.95 2.93 -19.21	70.77 3.33 -14.90	74.54 3.37 -14.88	71.23 3.30 -15.72	73.04 4.50 -7.96	162.06 10.28 -0.97	172.22 11.70 0.00	125.23 7.92 -0.65	120.27 7.97 -10.63	166.07 12.80 -5.23	124.70 4.08 -71.85	109.89 4.87 -44.23	81.01 4.18 -26.45	79.68 5.69 -3.60	59.53 4.17 -6.77	73.33 4.24 -10.26	83.29 5.03 -11.92	102.71 6.55 -11.09	128.62 8.71 -4.01	71.95 4.19 -12.00	71.65 4.61 -3.22	89.95 5.77 -6.79	88.60 4.98 -14.86
HOLTSVILLE_IC_4 23693	81.11 3.10 -35.30	65.95 2.93 -19.21	70.77 3.33 -14.90	74.54 3.37 -14.88	71.23 3.30 -15.72	73.04 4.50 -7.96	162.06 10.28 -0.97	172.22 11.70 0.00	125.23 7.92 -0.65	120.27 7.97 -10.63	166.07 12.80 -5.23	124.70 4.08 -71.85	109.89 4.87 -44.23	81.01 4.18 -26.45	79.68 5.69 -3.60	59.53 4.17 -6.77	73.33 4.24 -10.26	83.29 5.03 -11.92	102.71 6.55 -11.09	128.62 8.71 -4.01	71.95 4.19 -12.00	71.65 4.61 -3.22	89.95 5.77 -6.79	88.60 4.98 -14.86
HOLTSVILLE_IC_5 23694	81.11 3.10 -35.30	65.95 2.93 -19.21	70.77 3.33 -14.90	74.54 3.37 -14.88	71.23 3.30 -15.72	73.04 4.50 -7.96	162.06 10.28 -0.97	172.22 11.70 0.00	125.23 7.92 -0.65	120.27 7.97 -10.63	166.07 12.80 -5.23	124.70 4.08 -71.85	109.89 4.87 -44.23	81.01 4.18 -26.45	79.68 5.69 -3.60	59.53 4.17 -6.77	73.33 4.24 -10.26	83.29 5.03 -11.92	102.71 6.55 -11.09	128.62 8.71 -4.01	71.95 4.19 -12.00	71.65 4.61 -3.22	89.95 5.77 -6.79	88.60 4.98 -14.86
HOLTSVILLE_IC_6 23695	81.36 3.35 -35.30	66.17 3.15 -19.21	71.03 3.59 -14.90	74.82 3.64 -14.88	71.49 3.57 -15.72	73.37 4.83 -7.96	162.86 11.09 -0.97	173.21 12.69 0.00	125.87 8.56 -0.65	120.87 8.57 -10.63	167.09 13.81 -5.23	124.99 4.38 -71.85	110.25 5.23 -44.23	81.30 4.49 -26.45	80.08 6.09 -3.60	59.83 4.46 -6.77	73.69 4.59 -10.26	83.72 5.46 -11.92	103.29 7.12 -11.09	129.40 9.49 -4.01	72.31 4.56 -12.00	72.05 5.00 -3.22	90.44 6.26 -6.79	89.01 5.39 -14.86
HOLTSVILLE_IC_7 23696	81.36 3.35 -35.30	66.17 3.15 -19.21	71.03 3.59 -14.90	74.82 3.64 -14.88	71.49 3.57 -15.72	73.37 4.83 -7.96	162.86 11.09 -0.97	173.21 12.69 0.00	125.87 8.56 -0.65	120.87 8.57 -10.63	167.09 13.81 -5.23	124.99 4.38 -71.85	110.25 5.23 -44.23	81.30 4.49 -26.45	80.08 6.09 -3.60	59.83 4.46 -6.77	73.69 4.59 -10.26	83.72 5.46 -11.92	103.29 7.12 -11.09	129.40 9.49 -4.01	72.31 4.56 -12.00	72.05 5.00 -3.22	90.44 6.26 -6.79	89.01 5.39 -14.86
HOLTSVILLE_IC_8 23697	81.36 3.35 -35.30	66.17 3.15 -19.21	71.03 3.59 -14.90	74.82 3.64 -14.88	71.49 3.57 -15.72	73.37 4.83 -7.96	162.86 11.09 -0.97	173.21 12.69 0.00	125.87 8.56 -0.65	120.87 8.57 -10.63	167.09 13.81 -5.23	124.99 4.38 -71.85	110.25 5.23 -44.23	81.30 4.49 -26.45	80.08 6.09 -3.60	59.83 4.46 -6.77	73.69 4.59 -10.26	83.72 5.46 -11.92	103.29 7.12 -11.09	129.40 9.49 -4.01	72.31 4.56 -12.00	72.05 5.00 -3.22	90.44 6.26 -6.79	89.01 5.39 -14.86
HOLTSVILLE_IC_9 23698	81.36 3.35 -35.30	66.17 3.15 -19.21	71.03 3.59 -14.90	74.82 3.64 -14.88	71.49 3.57 -15.72	73.37 4.83 -7.96	162.86 11.09 -0.97	173.21 12.69 0.00	125.87 8.56 -0.65	120.87 8.57 -10.63	167.09 13.81 -5.23	124.99 4.38 -71.85	110.25 5.23 -44.23	81.30 4.49 -26.45	80.08 6.09 -3.60	59.83 4.46 -6.77	73.69 4.59 -10.26	83.72 5.46 -11.92	103.29 7.12 -11.09	129.40 9.49 -4.01	72.31 4.56 -12.00	72.05 5.00 -3.22	90.44 6.26 -6.79	89.01 5.39 -14.86
HOMER_HL_115KV_TB2 355744	45.09 -1.79 -4.17	47.11 -1.56 -4.86	54.58 -1.73 -3.77	58.14 -1.93 -3.77	54.76 -1.43 -4.00	60.77 -1.84 -2.02	144.57 -6.48 -0.25	152.75 -7.77 0.00	109.31 -6.72 0.63	85.16 -6.14 10.37	138.95 -9.11 -0.02	60.26 -3.01 -14.49	66.26 -3.45 -8.92	52.86 -2.44 -4.92	67.31 -3.69 -0.62	46.88 -2.84 -1.13	57.92 -3.53 -2.62	64.37 -4.39 -2.42	79.69 -5.76 -0.37	100.85 -6.87 8.18	55.50 -3.32 -3.06	61.79 -2.85 -0.82	74.50 -2.88 0.00	66.92 -2.70 -0.87
HOWARD_WT_PWR 323690	37.85 -3.90 0.96	45.73 -3.78 -5.70	51.79 -5.17 -4.42	55.17 -5.55 -4.42	52.26 -4.63 -4.69	57.57 -5.39 -2.37	138.02 -13.08 -0.29	145.57 -14.95 0.00	102.78 -11.95 1.94	57.81 -11.87 31.98	131.64 -14.90 1.50	60.29 -5.06 -16.58	64.56 -6.44 -10.21	51.04 -4.98 -5.64	63.08 -8.03 -0.72	44.32 -5.60 -1.33	55.13 -6.77 -3.06	62.21 -7.18 -3.06	74.43 -8.72 1.92	81.55 -10.85 23.50	54.13 -5.21 -3.58	59.75 -5.03 -0.96	71.80 -5.58 0.00	64.01 -5.76 -1.01



HQ_GEN_CEDARS 23644	42.98 0.27 0.00	43.93 0.12 0.00	52.37 -0.17 0.00	56.38 0.08 0.00	52.31 0.11 0.00	60.65 0.06 0.00	152.29 1.47 0.00	161.80 1.28 0.00	117.68 1.02 0.00	101.80 0.14 0.00	148.41 0.37 0.00	48.64 -0.13 0.00	60.51 -0.28 0.00	49.91 -0.46 0.00	70.18 -0.21 0.00	48.27 -0.33 0.00	58.76 -0.07 0.00	66.21 -0.13 0.00	85.14 0.06 0.00	115.94 0.04 0.00	55.71 -0.05 0.00	63.90 0.08 0.00	78.10 0.71 0.00	69.25 0.49 0.00
HQ_GEN_CEDARS_PROXY 323590	42.98 0.28 0.00	43.93 0.12 0.00	52.37 -0.17 0.00	56.38 0.08 0.00	52.31 0.11 0.00	60.65 0.06 0.00	152.29 1.48 0.00	161.82 1.29 -0.02	117.68 1.02 0.00	101.83 0.17 0.00	148.41 0.37 0.00	48.64 -0.13 0.00	60.51 -0.29 0.00	49.91 -0.46 0.00	70.18 -0.21 0.00	48.27 -0.33 0.00	64.03 -0.07 -5.26	66.20 -0.14 0.00	85.15 0.07 0.00	115.95 0.05 0.00	55.71 -0.05 0.00	63.90 0.08 0.00	78.09 0.71 0.00	69.24 0.49 0.00
HQ_GEN_IMPORT 323601	29.22 -0.16 13.33	43.55 -0.25 0.00	52.18 -0.37 0.00	56.09 -0.21 0.00	52.01 -0.19 0.00	60.31 -0.28 0.00	150.74 -0.07 0.00	160.68 0.16 0.00	116.90 0.24 0.00	101.41 -0.26 0.00	147.50 -0.54 0.00	48.34 -0.43 0.00	60.21 -0.59 0.00	49.77 -0.60 0.00	69.75 -0.63 0.00	42.07 -0.50 6.03	61.27 -0.28 -2.72	66.00 -0.34 0.00	84.92 -0.15 0.00	115.70 -0.20 0.00	55.57 -0.19 0.00	63.67 -0.14 0.00	81.09 0.09 -3.61	68.88 0.12 0.00
HQ_GEN_WHEEL 23651	29.22 -0.16 13.33	43.55 -0.25 0.00	52.18 -0.37 0.00	56.09 -0.21 0.00	52.01 -0.19 0.00	60.31 -0.28 0.00	150.74 -0.07 0.00	160.68 0.16 0.00	116.90 0.24 0.00	101.41 -0.26 0.00	147.50 -0.54 0.00	48.34 -0.43 0.00	60.21 -0.59 0.00	49.77 -0.60 0.00	69.75 -0.63 0.00	42.07 -0.50 6.03	61.27 -0.28 -2.72	66.00 -0.34 0.00	84.92 -0.15 0.00	115.70 -0.20 0.00	55.57 -0.19 0.00	63.67 -0.14 0.00	81.09 0.09 -3.61	68.88 0.12 0.00
HUDSON_AVE_GT_3 23810	80.38 2.36 -35.31	65.34 2.32 -19.21	70.12 2.67 -14.90	73.89 2.71 -14.88	70.55 2.63 -15.72	72.03 3.49 -7.96	160.19 8.41 -0.97	170.04 9.52 0.00	123.77 6.46 -0.65	118.57 6.26 -10.63	162.94 9.87 -5.02	124.14 3.51 -71.87	109.39 4.36 -44.24	77.98 3.54 -24.07	77.56 4.76 -2.42	56.42 3.38 -4.45	72.44 3.34 -10.26	82.22 3.95 -11.92	100.96 4.79 -11.10	126.41 6.51 -4.01	71.03 3.27 -12.00	70.63 3.59 -3.22	81.20 3.82 0.00	75.53 3.38 -3.39
HUDSON_AVE_GT_4 23540	80.38 2.36 -35.31	65.34 2.32 -19.21	70.12 2.67 -14.90	73.89 2.71 -14.88	70.55 2.63 -15.72	72.03 3.49 -7.96	160.19 8.41 -0.97	170.04 9.52 0.00	123.77 6.46 -0.65	118.57 6.26 -10.63	162.94 9.87 -5.02	124.14 3.51 -71.87	109.39 4.36 -44.24	77.98 3.54 -24.07	77.56 4.76 -2.42	56.42 3.38 -4.45	72.44 3.34 -10.26	82.22 3.95 -11.92	100.96 4.79 -11.10	126.41 6.51 -4.01	71.03 3.27 -12.00	70.63 3.59 -3.22	81.20 3.82 0.00	75.53 3.38 -3.39
HUDSON_AVE_GT_5 23657	80.38 2.36 -35.31	65.34 2.32 -19.21	70.12 2.67 -14.90	73.89 2.71 -14.88	70.55 2.63 -15.72	72.03 3.49 -7.96	160.19 8.41 -0.97	170.04 9.52 0.00	123.77 6.46 -0.65	118.57 6.26 -10.63	162.94 9.87 -5.02	124.14 3.51 -71.87	109.39 4.36 -44.24	77.98 3.54 -24.07	77.56 4.76 -2.42	56.42 3.38 -4.45	72.44 3.34 -10.26	82.22 3.95 -11.92	100.96 4.79 -11.10	126.41 6.51 -4.01	71.03 3.27 -12.00	70.63 3.59 -3.22	81.20 3.82 0.00	75.53 3.38 -3.39
HUDSON_AVE_10 24168	80.24 2.22 -35.31	65.19 2.17 -19.21	69.97 2.53 -14.90	73.71 2.53 -14.88	70.41 2.49 -15.72	71.88 3.33 -7.96	159.86 8.09 -0.97	169.82 9.30 0.00	123.50 6.19 -0.65	118.33 6.02 -10.63	162.60 9.53 -5.02	124.04 3.40 -71.87	109.25 4.21 -44.24	77.86 3.42 -24.07	77.35 4.55 -2.42	56.30 3.25 -4.45	72.28 3.18 -10.26	82.06 3.79 -11.92	100.77 4.60 -11.10	126.16 6.26 -4.01	70.91 3.15 -12.00	70.48 3.44 -3.22	81.02 3.63 0.00	75.35 3.21 -3.39
HUDSON___115KV_TB 4 355613	142.18 3.24 -96.23	135.18 3.35 -88.02	124.93 4.12 -68.26	128.87 4.35 -68.22	128.65 3.95 -72.50	101.75 4.46 -36.69	164.84 9.57 -4.45	169.95 9.43 0.00	127.69 8.03 -3.00	157.96 7.27 -49.03	164.04 10.04 -5.95	137.23 3.25 -85.21	117.09 3.84 -52.45	86.17 3.01 -32.80	85.39 3.86 -11.15	71.69 2.59 -20.51	109.71 3.55 -47.34	125.26 4.05 -54.87	141.09 5.00 -51.02	141.19 6.87 -18.41	114.44 3.49 -55.18	82.63 3.99 -14.81	82.06 4.67 0.00	89.02 4.67 -15.59
HUNTER MOUNT___DRP 323613	131.14 3.50 -84.93	122.52 3.61 -75.09	115.22 4.43 -58.24	119.21 4.71 -58.20	118.33 4.28 -61.84	96.77 4.89 -31.30	164.85 10.24 -3.80	170.60 10.08 0.00	128.39 9.17 -2.56	151.69 8.20 -41.82	165.30 11.44 -5.81	135.62 3.62 -83.23	116.29 4.26 -51.24	85.01 3.31 -31.32	84.36 4.47 -9.51	69.05 2.96 -17.49	103.24 4.03 -40.38	117.83 4.69 -46.80	134.43 5.83 -43.51	139.60 8.00 -15.71	106.80 3.98 -47.07	81.03 4.58 -12.63	82.81 5.42 0.00	87.27 5.21 -13.30
HUNTINGTON_RES_REC 323705	81.02 3.00 -35.30	65.88 2.87 -19.21	70.72 3.28 -14.90	74.48 3.30 -14.88	71.16 3.24 -15.72	72.94 4.40 -7.96	162.13 10.36 -0.97	171.98 11.46 0.00	125.28 7.97 -0.65	120.20 7.90 -10.63	165.70 12.42 -5.23	124.78 4.16 -71.85	110.04 5.02 -44.23	81.14 4.32 -26.45	79.85 5.86 -3.60	59.62 4.26 -6.77	73.31 4.22 -10.26	83.20 4.94 -11.92	102.60 6.43 -11.09	128.50 8.60 -4.01	71.95 4.19 -12.00	71.66 4.62 -3.22	89.79 5.62 -6.79	88.51 4.90 -14.86
HUNTLEY___63 23557	39.10 -3.91 -0.30	40.28 -3.53 0.00	48.29 -4.25 0.00	51.68 -4.61 0.00	48.17 -4.03 0.00	56.08 -4.50 0.00	137.41 -13.40 0.00	144.40 -16.12 0.00	104.10 -11.93 0.63	79.81 -11.33 10.52	130.27 -17.86 -0.08	55.57 -5.74 -12.53	61.63 -6.88 -7.72	49.34 -5.02 -3.99	62.81 -7.58 0.00	43.26 -5.33 0.00	52.18 -6.65 0.00	57.76 -7.89 0.69	72.78 -10.07 2.22	95.10 -13.29 7.50	49.51 -6.25 0.00	57.22 -6.60 0.00	70.35 -7.04 0.00	62.34 -6.41 0.00
HUNTLEY___64 23558	39.10 -3.91 -0.30	40.28 -3.53 0.00	48.29 -4.25 0.00	51.68 -4.61 0.00	48.17 -4.03 0.00	56.08 -4.50 0.00	137.41 -13.40 0.00	144.40 -16.12 0.00	104.10 -11.93 0.63	79.81 -11.33 10.52	130.27 -17.86 -0.08	55.57 -5.74 -12.53	61.63 -6.88 -7.72	49.34 -5.02 -3.99	62.81 -7.58 0.00	43.26 -5.33 0.00	52.18 -6.65 0.00	57.76 -7.89 0.69	72.78 -10.07 2.22	95.10 -13.29 7.50	49.51 -6.25 0.00	57.22 -6.60 0.00	70.35 -7.04 0.00	62.34 -6.41 0.00
HUNTLEY___65 23559	39.10 -3.91 -0.30	40.28 -3.53 0.00	48.29 -4.25 0.00	51.68 -4.61 0.00	48.17 -4.03 0.00	56.08 -4.50 0.00	137.41 -13.40 0.00	144.40 -16.12 0.00	104.10 -11.93 0.63	79.81 -11.33 10.52	130.27 -17.86 -0.08	55.57 -5.74 -12.53	61.63 -6.88 -7.72	49.34 -5.02 -3.99	62.81 -7.58 0.00	43.26 -5.33 0.00	52.18 -6.65 0.00	57.76 -7.89 0.69	72.78 -10.07 2.22	95.10 -13.29 7.50	49.51 -6.25 0.00	57.22 -6.60 0.00	70.35 -7.04 0.00	62.34 -6.41 0.00
HUNTLEY___66 23560	39.10 -3.91 -0.30	40.28 -3.53 0.00	48.29 -4.25 0.00	51.68 -4.61 0.00	48.17 -4.03 0.00	56.08 -4.50 0.00	137.41 -13.40 0.00	144.40 -16.12 0.00	104.10 -11.93 0.63	79.81 -11.33 10.52	130.27 -17.86 -0.08	55.57 -5.74 -12.53	61.63 -6.88 -7.72	49.34 -5.02 -3.99	62.81 -7.58 0.00	43.26 -5.33 0.00	52.18 -6.65 0.00	57.76 -7.89 0.69	72.78 -10.07 2.22	95.10 -13.29 7.50	49.51 -6.25 0.00	57.22 -6.60 0.00	70.35 -7.04 0.00	62.34 -6.41 0.00



HUNTLEY___67 23561	38.96 -3.98 -0.23	40.12 -3.69 0.00	48.13 -4.42 0.00	51.55 -4.74 0.00	48.03 -4.17 0.00	55.88 -4.71 0.00	137.17 -13.64 0.00	144.30 -16.21 0.00	103.89 -12.09 0.67	78.99 -11.61 11.06	130.05 -18.05 -0.05	55.71 -5.79 -12.73	61.60 -7.03 -7.84	49.20 -5.23 -4.06	62.58 -7.80 0.00	43.05 -5.54 0.00	51.99 -6.85 0.00	57.53 -8.12 0.69	72.41 -10.39 2.27	94.41 -13.67 7.82	49.33 -6.43 0.00	57.07 -6.75 0.00	70.08 -7.30 0.00	62.10 -6.66 0.00
HUNTLEY___68 23562	38.96 -3.98 -0.23	40.12 -3.69 0.00	48.13 -4.42 0.00	51.55 -4.74 0.00	48.03 -4.17 0.00	55.88 -4.71 0.00	137.17 -13.64 0.00	144.30 -16.21 0.00	103.89 -12.09 0.67	78.99 -11.61 11.06	130.05 -18.05 -0.05	55.71 -5.79 -12.73	61.60 -7.03 -7.84	49.20 -5.23 -4.06	62.58 -7.80 0.00	43.05 -5.54 0.00	51.99 -6.85 0.00	57.53 -8.12 0.69	72.41 -10.39 2.27	94.41 -13.67 7.82	49.33 -6.43 0.00	57.07 -6.75 0.00	70.08 -7.30 0.00	62.10 -6.66 0.00
HYLAND___LFGE 323620	39.33 -1.84 1.54	42.01 -1.80 0.00	50.15 -2.39 0.00	53.67 -2.62 0.00	50.06 -2.15 0.00	58.44 -2.15 0.00	145.01 -5.80 0.00	153.59 -6.93 0.00	109.67 -5.89 1.10	76.95 -6.55 18.17	136.78 -10.85 0.41	59.30 -3.30 -13.83	65.30 -4.00 -8.51	52.08 -2.69 -4.40	65.71 -4.67 0.00	45.22 -3.37 0.00	55.05 -3.78 0.00	62.54 -3.18 0.62	78.31 -3.64 3.12	98.38 -4.75 12.77	53.57 -2.19 0.00	61.97 -1.86 0.00	76.75 -0.64 0.00	67.68 -1.07 0.00
INDECK___CORINTH 23802	244.66 4.03 -197.92	256.16 4.11 -208.24	218.98 4.93 -161.50	222.86 5.16 -161.41	228.56 4.86 -171.50	153.10 5.71 -86.80	175.18 13.84 -10.53	175.06 14.54 0.00	134.46 10.71 -7.09	227.54 9.90 -115.97	169.10 14.72 -6.34	144.59 5.01 -90.81	122.97 6.28 -55.90	97.83 5.05 -42.40	103.59 6.84 -26.37	101.82 4.72 -48.51	176.32 5.51 -111.98	202.76 6.38 -130.04	214.20 8.08 -121.05	170.32 10.73 -43.69	191.78 5.09 -130.93	104.83 5.86 -35.15	84.21 6.82 0.00	111.71 5.96 -37.00
INDECK___ILION 23567	43.58 0.87 0.00	44.70 0.89 0.00	53.66 1.12 0.00	57.40 1.10 0.00	53.25 1.05 0.00	61.76 1.17 0.00	153.64 2.84 0.00	163.60 3.08 0.00	119.15 2.50 0.00	104.48 2.82 0.00	152.01 3.97 0.00	50.16 1.38 0.00	62.54 1.75 0.00	51.88 1.51 0.00	72.10 1.71 0.00	49.74 1.15 0.00	60.20 1.37 0.00	68.00 1.66 0.00	87.11 2.04 0.00	118.57 2.66 0.00	57.10 1.34 0.00	65.35 1.53 0.00	78.93 1.55 0.00	70.15 1.40 0.00
INDECK___OLEAN 23982	45.09 -1.78 -4.17	47.12 -1.55 -4.86	54.57 -1.74 -3.77	58.14 -1.92 -3.77	54.77 -1.43 -4.00	60.77 -1.84 -2.02	144.58 -6.48 -0.25	152.74 -7.78 0.00	109.25 -6.78 0.63	84.95 -6.35 10.37	138.96 -9.11 -0.02	60.26 -3.00 -14.49	66.26 -3.46 -8.92	52.85 -3.69 -4.92	67.31 -2.83 -0.62	46.89 -2.83 -1.13	57.94 -3.51 -2.62	64.40 -4.36 -2.42	79.72 -5.73 -0.37	100.85 -6.87 8.18	55.51 -3.30 -3.06	61.80 -2.84 -0.82	74.52 -2.87 0.00	66.93 -2.69 -0.87
INDECK___OSWEGO 23783	42.73 -1.83 -1.85	42.14 -1.67 0.00	50.54 -2.00 0.00	54.08 -2.21 0.00	50.22 -1.98 0.00	58.28 -2.30 0.00	144.91 -5.90 0.00	154.08 -6.44 0.00	111.93 -4.73 0.00	97.52 -4.15 0.00	142.52 -6.00 -0.48	53.79 -1.88 -6.90	62.69 -2.35 -4.25	50.74 -1.83 -2.19	67.86 -2.52 0.00	46.88 -1.71 0.00	56.70 -2.14 0.00	64.23 -2.50 -0.39	82.14 -3.38 -0.45	111.30 -4.60 0.00	53.55 -2.21 0.00	61.28 -2.54 0.00	74.26 -3.13 0.00	65.84 -2.91 0.00
INDECK___YERKES 23781	39.16 -3.85 -0.30	40.35 -3.46 0.00	48.35 -4.20 0.00	51.74 -4.55 0.00	48.24 -3.96 0.00	56.14 -4.45 0.00	137.54 -13.27 0.00	144.51 -16.01 0.00	104.17 -11.85 0.63	79.80 -11.35 10.52	130.41 -17.71 -0.08	55.63 -5.67 -12.53	61.68 -6.83 -7.72	49.40 -4.96 -3.99	62.90 -7.48 0.00	43.32 -5.27 0.00	52.25 -6.58 0.00	57.86 -7.79 0.69	72.91 -9.95 2.22	95.17 -13.23 7.50	49.57 -6.18 0.00	57.27 -6.55 0.00	70.41 -6.97 0.00	62.40 -6.36 0.00
INDIAN POINT_GT_1 24139	79.63 1.97 -34.95	64.76 1.94 -19.01	69.54 2.25 -14.74	73.29 2.27 -14.73	69.96 2.20 -15.56	71.40 2.93 -7.88	158.71 6.94 -0.96	168.26 7.74 0.00	122.46 5.16 -0.64	117.33 5.14 -10.52	161.09 8.08 -4.97	122.81 2.93 -71.11	108.22 3.65 -43.77	77.16 2.97 -23.81	76.76 3.99 -2.39	55.84 2.84 -4.40	71.81 2.82 -10.16	81.51 3.38 -11.80	100.15 4.09 -10.98	125.49 5.62 -3.96	70.49 2.85 -11.88	70.11 3.10 -3.19	80.72 3.33 0.00	75.05 2.94 -3.36
INDIAN POINT_GT_2 23659	79.63 1.97 -34.95	64.76 1.94 -19.01	69.54 2.25 -14.74	73.29 2.27 -14.73	69.96 2.20 -15.56	71.40 2.93 -7.88	158.71 6.94 -0.96	168.26 7.74 0.00	122.46 5.16 -0.64	117.33 5.14 -10.52	161.09 8.08 -4.97	122.81 2.93 -71.11	108.22 3.65 -43.77	77.16 2.97 -23.81	76.76 3.99 -2.39	55.84 2.84 -4.40	71.81 2.82 -10.16	81.51 3.38 -11.80	100.15 4.09 -10.98	125.49 5.62 -3.96	70.49 2.85 -11.88	70.11 3.10 -3.19	80.72 3.33 0.00	75.05 2.94 -3.36
INDIAN POINT_GT_3 24019	79.63 1.97 -34.95	64.76 1.94 -19.01	69.54 2.25 -14.74	73.29 2.27 -14.73	69.96 2.20 -15.56	71.40 2.93 -7.88	158.71 6.94 -0.96	168.26 7.74 0.00	122.46 5.16 -0.64	117.33 5.14 -10.52	161.09 8.08 -4.97	122.81 2.93 -71.11	108.22 3.65 -43.77	77.16 2.97 -23.81	76.76 3.99 -2.39	55.84 2.84 -4.40	71.81 2.82 -10.16	81.51 3.38 -11.80	100.15 4.09 -10.98	125.49 5.62 -3.96	70.49 2.85 -11.88	70.11 3.10 -3.19	80.72 3.33 0.00	75.05 2.94 -3.36
INDIAN POINT___2 23530	79.03 1.88 -34.44	64.38 1.86 -18.71	69.20 2.15 -14.51	72.96 2.17 -14.50	69.62 2.11 -15.32	71.16 2.82 -7.75	158.39 6.64 -0.94	167.93 7.41 0.00	122.18 4.89 -0.63	116.90 4.88 -10.35	160.66 7.72 -4.90	121.72 2.81 -70.13	107.48 3.51 -43.17	76.72 2.86 -23.48	76.54 3.80 -2.35	55.64 2.72 -4.33	71.51 2.67 -10.00	81.16 3.21 -11.61	99.77 3.89 -10.81	125.11 5.31 -3.90	70.16 2.70 -11.69	69.90 2.94 -3.14	80.53 3.14 0.00	74.84 2.78 -3.30
INDIAN POINT___3 23531	79.61 1.92 -34.97	64.74 1.90 -19.03	69.50 2.20 -14.76	73.26 2.23 -14.74	69.93 2.15 -15.58	71.34 2.87 -7.88	158.49 6.73 -0.96	168.04 7.52 0.00	122.31 5.01 -0.64	117.17 4.97 -10.53	160.88 7.87 -4.97	122.79 2.87 -71.16	108.17 3.57 -43.81	77.11 2.91 -23.83	76.64 3.87 -2.40	55.76 2.76 -4.41	71.73 2.73 -10.17	81.43 3.28 -11.81	100.03 3.96 -10.99	125.28 5.42 -3.97	70.41 2.76 -11.89	70.01 3.00 -3.19	80.61 3.22 0.00	74.96 2.84 -3.36
INGHAM_C_115KV_TB7 356103	44.25 1.55 0.00	45.37 1.57 0.00	54.51 1.97 0.00	58.24 1.94 0.00	54.08 1.88 0.00	62.63 2.05 0.00	155.78 4.97 0.00	165.97 5.45 0.00	121.08 4.42 0.00	106.69 5.03 0.00	155.04 7.00 0.00	51.19 2.42 0.00	63.79 3.00 0.00	53.02 2.65 0.00	73.19 2.81 0.00	50.44 1.85 0.00	61.07 2.24 0.00	69.18 2.84 0.00	88.62 3.55 0.00	120.54 4.63 0.00	58.05 2.29 0.00	66.55 2.73 0.00	80.18 2.80 0.00	71.27 2.52 0.00
IP CORINTH___1 23988	244.65 4.03 -197.92	256.16 4.11 -208.24	218.98 4.93 -161.50	222.87 5.16 -161.41	228.56 4.86 -171.50	153.09 5.70 -86.80	175.19 13.85 -10.53	175.06 14.54 0.00	134.46 10.71 -7.09	227.56 9.92 -115.97	169.10 14.72 -6.34	144.59 5.01 -90.81	122.97 6.28 -55.90	97.83 5.05 -42.40	103.59 6.83 -26.37	101.82 4.72 -48.51	176.31 5.50 -111.98	202.76 6.38 -130.04	214.21 8.09 -121.05	170.32 10.73 -43.69	191.78 5.09 -130.93	104.83 5.86 -35.15	84.21 6.83 0.00	111.71 5.96 -37.00



IP___TICONDEROGA 23804	244.97 6.13 -196.14	256.22 6.27 -206.14	219.79 7.39 -159.86	223.74 7.67 -159.78	229.34 7.38 -169.76	155.35 8.84 -85.92	182.21 20.97 -10.43	182.02 21.50 0.00	139.79 16.11 -7.02	231.31 14.84 -114.80	176.82 22.44 -6.34	147.62 8.15 -90.70	127.01 10.38 -55.84	100.70 8.09 -42.23	106.69 10.20 -26.10	103.50 6.88 -48.02	177.80 8.12 -110.84	204.56 9.50 -128.72	217.14 12.24 -119.82	175.07 15.92 -43.24	192.75 7.38 -129.60	107.15 8.54 -34.79	87.43 10.04 0.00	113.76 8.38 -36.63
ISLIP_RES_REC 323679	81.53 3.52 -35.30	66.34 3.33 -19.21	71.23 3.79 -14.90	75.02 3.85 -14.88	71.70 3.78 -15.72	73.64 5.10 -7.96	163.60 11.82 -0.97	174.02 13.50 0.00	126.45 9.14 -0.65	121.41 9.11 -10.63	167.91 14.64 -5.23	125.26 4.64 -71.85	110.59 5.57 -44.23	81.56 4.74 -26.45	80.47 6.48 -3.60	60.10 4.73 -6.77	74.01 4.91 -10.26	84.09 5.83 -11.92	103.74 7.57 -11.09	130.03 10.12 -4.01	72.60 4.85 -12.00	72.37 5.33 -3.22	90.82 6.64 -6.79	89.33 5.71 -14.86
JAMAICA__27_KV_LOAD 355505	80.43 2.41 -35.31	65.38 2.36 -19.21	70.30 2.85 -14.90	74.01 2.83 -14.88	70.73 2.80 -15.72	72.28 3.73 -7.96	161.21 9.44 -0.97	171.56 11.04 0.00	124.46 7.15 -0.65	119.17 6.87 -10.63	163.80 10.73 -5.02	124.43 3.80 -71.87	109.73 4.70 -44.24	78.25 3.81 -24.07	77.87 5.07 -2.42	56.64 3.60 -4.45	72.72 3.62 -10.26	82.64 4.38 -11.92	101.42 5.25 -11.10	127.18 7.27 -4.01	71.41 3.65 -12.00	70.99 3.95 -3.22	81.61 4.23 0.00	75.86 3.71 -3.39
JANIS___SOLAR 323808	65.91 0.49 -22.71	54.51 0.51 -10.20	61.04 0.59 -7.91	64.77 0.57 -7.91	61.28 0.70 -8.39	65.77 0.94 -4.24	153.98 2.65 -0.51	163.75 3.23 0.00	120.94 2.11 -2.17	139.24 1.75 -35.82	154.09 2.34 -3.71	69.71 0.49 -20.44	74.33 0.95 -12.58	58.63 1.10 -7.15	72.08 0.41 -1.29	51.31 0.34 -2.37	65.07 0.77 -5.47	73.63 1.22 -6.07	96.41 1.76 -9.58	141.67 2.45 -23.31	63.23 1.07 -6.40	66.69 1.15 -1.72	78.54 1.16 0.00	71.24 0.67 -1.81
JARVIS____ 23743	43.08 0.37 0.00	44.22 0.41 0.00	53.07 0.53 0.00	56.79 0.50 0.00	52.63 0.43 0.00	61.11 0.52 0.00	151.98 1.17 0.00	161.69 1.18 0.00	117.48 0.83 0.00	102.61 0.94 0.00	149.38 1.33 0.00	49.31 0.54 0.00	61.46 0.67 0.00	50.94 0.57 0.00	71.16 0.77 0.00	49.16 0.57 0.00	59.42 0.59 0.00	66.99 0.65 0.00	85.83 0.75 0.00	116.86 0.96 0.00	56.26 0.50 0.00	64.33 0.50 0.00	77.92 0.54 0.00	69.24 0.49 0.00
JENNISON___1 23625	65.01 -0.01 -22.31	60.18 0.04 -16.34	65.27 0.06 -12.67	69.22 0.27 -12.67	66.13 0.49 -13.44	68.06 0.68 -6.80	153.61 1.98 -0.83	162.97 2.45 0.00	119.65 2.07 -0.93	119.53 2.67 -15.19	153.91 3.61 -2.26	75.47 0.90 -25.81	78.03 1.35 -15.89	60.89 1.27 -9.25	73.05 0.61 -2.07	52.39 0.00 -3.80	67.86 0.26 -8.77	76.68 0.41 -9.94	95.65 0.57 -10.01	124.45 0.82 -7.72	66.30 0.29 -10.25	66.78 0.21 -2.75	77.43 0.05 0.00	71.39 -0.26 -2.90
JENNISON___2 23626	65.01 -0.01 -22.31	60.18 0.04 -16.34	65.27 0.06 -12.67	69.22 0.27 -12.67	66.13 0.49 -13.44	68.06 0.68 -6.80	153.61 1.98 -0.83	162.97 2.45 0.00	119.65 2.07 -0.93	119.53 2.67 -15.19	153.91 3.61 -2.26	75.47 0.90 -25.81	78.03 1.35 -15.89	60.89 1.27 -9.25	73.05 0.61 -2.07	52.39 0.00 -3.80	67.86 0.26 -8.77	76.68 0.41 -9.94	95.65 0.57 -10.01	124.45 0.82 -7.72	66.30 0.29 -10.25	66.78 0.21 -2.75	77.43 0.05 0.00	71.39 -0.26 -2.90
JERICHO_RISE_WT_PWR 323719	42.11 -0.60 0.00	42.98 -0.83 0.00	51.55 -0.99 0.00	55.91 -0.39 0.00	52.19 -0.01 0.00	60.36 -0.23 0.00	150.84 0.03 0.00	161.11 0.60 0.00	117.80 1.15 0.00	101.99 0.32 0.00	147.49 -0.55 0.00	48.17 -0.60 0.00	59.62 -1.17 0.00	48.86 -1.51 0.00	68.63 -1.76 0.00	48.71 -1.69 -1.81	63.91 -1.71 -6.79	71.34 -1.91 -6.92	91.96 -2.13 -9.02	121.27 -2.97 -8.33	55.31 -1.46 -1.01	65.51 -1.64 -3.34	82.92 -1.57 -7.10	70.05 -1.34 -2.63
KATONAH___115KV_46KV_TB4 355592	81.10 2.53 -35.86	65.89 2.50 -19.58	70.64 2.92 -15.18	74.44 2.98 -15.17	71.09 2.86 -16.02	72.43 3.73 -8.11	160.84 9.05 -0.98	170.58 10.06 0.00	124.32 7.00 -0.66	119.16 6.64 -10.86	163.44 10.30 -5.09	125.33 3.65 -72.91	110.21 4.54 -44.88	78.50 3.70 -24.42	77.77 4.92 -2.46	56.60 3.47 -4.53	72.90 3.61 -10.46	82.82 4.33 -12.15	101.76 5.38 -11.31	127.29 7.31 -4.08	71.64 3.65 -12.23	71.13 4.02 -3.28	81.76 4.38 0.00	76.02 3.81 -3.46
KCE_NY_1 323755	239.47 3.14 -193.62	250.19 3.21 -203.17	214.05 3.95 -157.57	217.83 4.06 -157.48	223.30 3.77 -167.32	149.65 4.38 -84.69	171.64 10.56 -10.28	171.75 11.23 0.00	131.63 8.05 -6.92	222.38 7.56 -113.15	165.56 11.19 -6.32	143.13 3.81 -90.55	121.31 4.77 -55.74	96.33 3.97 -41.99	101.47 5.36 -25.73	99.61 3.69 -47.33	172.35 4.27 -109.25	198.24 5.03 -126.87	209.53 6.36 -118.10	167.03 8.50 -42.62	187.58 4.08 -127.74	102.69 4.58 -34.29	82.71 5.33 0.00	109.58 4.73 -36.10
KCE_NY_6_ESR 323823	39.65 -3.20 -0.15	40.80 -3.01 0.00	48.85 -3.69 0.00	52.30 -4.00 0.00	48.83 -3.37 0.00	56.77 -3.82 0.00	139.50 -11.31 0.00	146.87 -13.65 0.00	105.69 -10.25 0.71	79.97 -9.97 11.73	132.86 -15.22 -0.03	57.13 -4.82 -13.18	63.06 -5.85 -8.11	50.33 -4.24 -4.20	63.84 -6.54 0.00	43.97 -4.63 0.00	53.10 -5.73 0.00	58.87 -6.80 0.67	74.03 -8.70 2.34	96.20 -11.37 8.33	50.51 -5.25 0.00	58.39 -5.43 0.00	71.49 -5.90 0.00	63.19 -5.56 0.00
KEDC_PORT_JEFF_GT2 24210	81.29 3.28 -35.30	66.11 3.09 -19.21	70.96 3.52 -14.90	74.73 3.55 -14.88	71.41 3.49 -15.72	73.28 4.74 -7.96	162.73 10.96 -0.97	172.95 12.43 0.00	125.36 8.06 -0.65	120.48 8.18 -10.63	166.83 13.56 -5.23	124.93 4.32 -71.85	110.16 5.14 -44.23	81.23 4.41 -26.45	79.99 6.00 -3.60	59.76 4.39 -6.77	73.60 4.50 -10.26	83.62 5.36 -11.92	103.16 6.99 -11.09	129.22 9.31 -4.01	72.25 4.49 -12.00	71.98 4.94 -3.22	90.35 6.18 -6.79	88.92 5.31 -14.86
KEDC_PORT_JEFF_GT3 24211	81.29 3.28 -35.30	66.11 3.09 -19.21	70.96 3.52 -14.90	74.73 3.55 -14.88	71.41 3.49 -15.72	73.28 4.74 -7.96	162.73 10.96 -0.97	172.95 12.43 0.00	125.36 8.06 -0.65	120.48 8.18 -10.63	166.83 13.56 -5.23	124.93 4.32 -71.85	110.16 5.14 -44.23	81.23 4.41 -26.45	79.99 6.00 -3.60	59.76 4.39 -6.77	73.60 4.50 -10.26	83.62 5.36 -11.92	103.16 6.99 -11.09	129.22 9.31 -4.01	72.25 4.49 -12.00	71.98 4.94 -3.22	90.35 6.18 -6.79	88.92 5.31 -14.86
KEDC_GLWD_GT4 24219	80.93 2.91 -35.30	65.83 2.81 -19.21	70.65 3.21 -14.90	74.40 3.23 -14.88	71.06 3.14 -15.72	72.78 4.23 -7.96	162.08 10.30 -0.97	171.98 11.46 0.00	125.45 8.14 -0.65	120.14 7.84 -10.63	165.48 12.21 -5.23	124.84 4.22 -71.85	110.18 5.16 -44.23	81.18 4.36 -26.45	79.87 5.88 -3.60	59.58 4.22 -6.77	73.33 4.23 -10.26	83.27 5.01 -11.92	102.56 6.39 -11.09	128.48 8.58 -4.01	71.97 4.21 -12.00	71.58 4.54 -3.22	89.28 5.11 -6.79	87.89 4.28 -14.86
KEDC_GLWD_GT5 24220	80.93 2.91 -35.30	65.83 2.81 -19.21	70.65 3.21 -14.90	74.40 3.23 -14.88	71.06 3.14 -15.72	72.78 4.23 -7.96	162.08 10.30 -0.97	171.98 11.46 0.00	125.45 8.14 -0.65	120.14 7.84 -10.63	165.48 12.21 -5.23	124.84 4.22 -71.85	110.18 5.16 -44.23	81.18 4.36 -26.45	79.87 5.88 -3.60	59.58 4.22 -6.77	73.33 4.23 -10.26	83.27 5.01 -11.92	102.56 6.39 -11.09	128.48 8.58 -4.01	71.97 4.21 -12.00	71.58 4.54 -3.22	89.28 5.11 -6.79	87.89 4.28 -14.86



KENSICO____ 23655	80.07 2.14 -35.22	65.09 2.11 -19.16	69.85 2.45 -14.86	73.62 2.48 -14.84	70.28 2.39 -15.69	71.70 3.17 -7.94	159.28 7.51 -0.96	168.96 8.44 0.00	123.02 5.71 -0.65	117.86 5.58 -10.61	161.84 8.80 -5.01	123.60 3.16 -71.66	108.84 3.93 -44.11	77.59 3.22 -24.00	77.11 4.31 -2.41	56.10 3.07 -4.44	72.12 3.05 -10.24	81.86 3.63 -11.89	100.58 4.44 -11.07	125.93 6.03 -4.00	70.77 3.04 -11.97	70.36 3.32 -3.21	81.00 3.61 0.00	75.30 3.17 -3.38
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	83.41 2.50 -38.19	69.92 2.49 -23.63	73.80 2.93 -18.32	77.61 3.01 -18.31	74.47 2.88 -19.39	74.06 3.67 -9.81	161.01 9.00 -1.19	170.64 10.11 0.00	124.30 6.85 -0.80	121.21 6.48 -13.06	162.61 9.77 -4.79	120.62 3.29 -68.56	107.17 4.18 -42.20	76.97 3.30 -23.30	77.99 4.63 -2.98	57.40 3.32 -5.48	75.03 3.54 -12.66	85.33 4.31 -14.69	104.16 5.41 -13.67	128.25 7.41 -4.93	74.21 3.67 -14.78	71.80 4.01 -3.97	81.81 4.42 0.00	76.69 3.76 -4.18
KIAC_JFK_GT1 23816	80.00 1.98 -35.31	64.95 1.93 -19.21	69.92 2.48 -14.90	73.61 2.44 -14.88	70.45 2.52 -15.72	72.06 3.51 -7.96	160.61 8.84 -0.97	170.90 10.38 0.00	123.91 6.61 -0.65	118.66 6.36 -10.63	163.00 9.94 -5.02	124.12 3.48 -71.87	109.16 4.13 -44.24	77.73 3.28 -24.07	77.16 4.36 -2.42	56.15 3.11 -4.45	72.13 3.03 -10.26	81.95 3.69 -11.92	100.57 4.39 -11.10	125.98 6.07 -4.01	70.84 3.07 -12.00	70.35 3.30 -3.22	80.82 3.43 0.00	75.17 3.03 -3.39
KIAC_JFK_GT2 23817	80.00 1.98 -35.31	64.95 1.93 -19.21	69.92 2.48 -14.90	73.61 2.44 -14.88	70.45 2.52 -15.72	72.06 3.51 -7.96	160.61 8.84 -0.97	170.90 10.38 0.00	123.91 6.61 -0.65	118.66 6.36 -10.63	163.00 9.94 -5.02	124.12 3.48 -71.87	109.16 4.13 -44.24	77.73 3.28 -24.07	77.16 4.36 -2.42	56.15 3.11 -4.45	72.13 3.03 -10.26	81.95 3.69 -11.92	100.57 4.39 -11.10	125.98 6.07 -4.01	70.84 3.07 -12.00	70.35 3.30 -3.22	80.82 3.43 0.00	75.17 3.03 -3.39
KIAC_JFK____ 323774	79.99 1.97 -35.31	64.95 1.93 -19.21	69.92 2.47 -14.90	73.61 2.43 -14.88	70.45 2.52 -15.72	72.06 3.51 -7.96	160.61 8.83 -0.97	170.90 10.38 0.00	123.91 6.60 -0.65	118.65 6.35 -10.63	163.00 9.94 -5.02	124.11 3.48 -71.87	109.17 4.13 -44.24	77.74 3.30 -24.07	77.15 4.35 -2.42	56.15 3.11 -4.45	72.12 3.01 -10.26	81.94 3.68 -11.92	100.56 4.39 -11.10	125.98 6.07 -4.01	70.83 3.07 -12.00	70.35 3.30 -3.22	80.82 3.44 0.00	75.17 3.02 -3.39
KINTIGH____ 23543	39.35 -3.96 -0.60	40.12 -3.69 0.00	48.17 -4.38 0.00	51.58 -4.71 0.00	48.04 -4.16 0.00	55.86 -4.73 0.00	137.47 -13.34 0.00	144.87 -15.65 0.00	104.40 -11.74 0.51	81.98 -11.22 8.46	130.91 -17.27 -0.15	54.55 -5.51 -11.29	61.02 -6.73 -6.95	48.86 -5.11 -3.59	62.87 -7.51 0.00	43.27 -5.33 0.00	52.28 -6.55 0.00	57.85 -7.74 0.75	73.11 -9.98 1.99	96.69 -13.26 5.95	49.49 -6.27 0.00	57.16 -6.66 0.00	70.12 -7.27 0.00	62.23 -6.52 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	42.98 0.27 0.00	43.82 0.02 0.00	52.51 -0.03 0.00	56.80 0.50 0.00	53.05 0.85 0.00	61.27 0.68 0.00	152.72 1.91 0.00	162.77 2.25 0.00	119.35 2.69 0.00	103.54 1.87 0.00	149.95 1.91 0.00	49.02 0.25 0.00	60.76 -0.03 0.00	49.78 -0.60 0.00	69.81 -0.58 0.00	63.16 -0.91 -15.47	116.11 -0.77 -58.04	124.65 -0.80 -59.10	161.40 -0.76 -77.08	185.97 -1.15 -71.23	63.83 -0.60 -8.66	91.60 -0.74 -28.52	137.67 -0.42 -60.71	91.08 -0.18 -22.50
LACHUTE____HYDRO 323717	244.97 6.13 -196.14	256.22 6.28 -206.14	219.79 7.39 -159.86	223.74 7.67 -159.78	229.34 7.38 -169.76	155.35 8.84 -85.92	182.20 20.97 -10.43	182.01 21.50 0.00	139.79 16.11 -7.02	231.31 14.84 -114.80	176.82 22.44 -6.34	147.62 8.15 -90.70	127.00 10.37 -55.84	100.70 8.09 -42.23	106.69 10.20 -26.10	103.50 6.88 -48.02	177.80 8.12 -110.84	204.56 9.50 -128.72	217.14 12.24 -119.82	175.07 15.92 -43.24	192.75 7.38 -129.60	107.15 8.53 -34.79	87.42 10.04 0.00	113.76 8.37 -36.63
LAWRNCV_115KV_TB1 80681	43.06 0.35 0.00	44.01 0.21 0.00	52.53 -0.01 0.00	56.54 0.24 0.00	52.43 0.22 0.00	60.72 0.13 0.00	152.69 1.88 0.00	161.71 1.19 0.00	117.21 0.55 0.00	101.33 -0.33 0.00	148.18 0.14 0.00	48.58 -0.19 0.00	60.38 -0.41 0.00	49.75 -0.62 0.00	70.22 -0.17 0.00	48.10 -0.50 0.00	58.47 -0.36 0.00	65.84 -0.50 0.00	84.53 -0.55 0.00	115.09 -0.82 0.00	55.31 -0.45 0.00	63.58 -0.24 0.00	78.03 0.65 0.00	69.21 0.46 0.00
LEDERLE____ 23769	78.61 1.96 -33.94	64.18 1.94 -18.43	69.06 2.23 -14.30	72.84 2.27 -14.28	69.50 2.21 -15.09	71.18 2.96 -7.64	158.72 6.99 -0.93	168.34 7.82 0.00	122.42 5.14 -0.62	116.97 5.11 -10.19	160.89 8.02 -4.83	120.81 2.91 -69.12	106.99 3.64 -42.55	76.48 2.97 -23.14	76.66 3.96 -2.32	55.69 2.83 -4.27	71.51 2.83 -9.85	81.18 3.41 -11.44	99.84 4.12 -10.65	125.42 5.68 -3.84	70.15 2.87 -11.52	70.03 3.12 -3.09	80.73 3.34 0.00	74.95 2.94 -3.25
LIGHTHSE_115KV_TB6 355974	43.27 -1.15 -1.71	42.76 -1.05 0.00	51.41 -1.13 0.00	55.03 -1.27 0.00	51.16 -1.04 0.00	59.01 -1.58 0.00	147.20 -3.62 0.00	156.50 -4.01 0.00	113.57 -3.09 0.00	98.92 -2.75 0.00	144.62 -3.87 -0.44	54.02 -1.11 -6.36	63.23 -1.48 -3.91	51.22 -1.17 -2.02	69.63 -0.76 0.00	48.21 -0.39 0.00	58.26 -0.57 0.00	65.15 -1.19 0.00	83.05 -2.03 0.00	113.11 -2.79 0.00	54.39 -1.37 0.00	62.19 -1.63 0.00	75.41 -1.97 0.00	66.75 -2.01 0.00
LINDEN COGEN____ 23786	80.06 2.04 -35.31	65.01 1.99 -19.21	69.69 2.25 -14.90	73.44 2.26 -14.88	70.15 2.22 -15.72	71.58 3.03 -7.96	158.94 7.17 -0.97	168.67 8.15 0.00	122.72 5.41 -0.65	117.67 5.36 -10.63	161.57 8.51 -5.02	123.68 3.04 -71.87	108.81 3.77 -44.24	77.48 3.05 -24.07	76.83 4.06 -2.39	55.61 2.87 -4.15	71.83 2.73 -10.26	80.96 3.31 -11.32	98.74 3.95 -9.72	123.85 5.34 -2.61	70.48 2.72 -12.00	69.98 2.94 -3.22	80.44 3.06 0.00	74.89 2.75 -3.39
LINDHRST_69_KV_BK1 356055	81.22 3.21 -35.30	66.10 3.09 -19.21	70.96 3.52 -14.90	74.71 3.53 -14.88	71.38 3.46 -15.72	73.20 4.65 -7.96	162.95 11.18 -0.97	172.87 12.35 0.00	126.17 8.86 -0.65	120.85 8.55 -10.63	166.60 13.32 -5.23	125.09 4.47 -71.85	110.44 5.42 -44.23	81.45 4.64 -26.44	80.28 6.29 -3.60	59.94 4.57 -6.77	73.74 4.64 -10.26	83.72 5.46 -11.92	103.29 7.12 -11.09	129.44 9.53 -4.01	72.37 4.61 -12.00	72.12 5.08 -3.22	90.19 6.02 -6.79	88.86 5.24 -14.86
LIPA_MISC_IPP 23656	81.16 3.14 -35.30	65.97 2.96 -19.21	70.80 3.36 -14.90	74.55 3.38 -14.88	71.25 3.33 -15.72	73.10 4.55 -7.96	162.09 10.32 -0.97	172.46 11.94 0.00	125.05 7.74 -0.65	120.31 8.00 -10.63	166.39 13.11 -5.23	124.58 3.96 -71.85	109.69 4.66 -44.23	80.80 3.99 -26.44	79.43 5.44 -3.60	59.37 4.00 -6.77	73.21 4.11 -10.26	83.20 4.94 -11.92	102.62 6.45 -11.09	128.49 8.59 -4.01	71.88 4.12 -12.00	71.56 4.52 -3.22	90.09 5.91 -6.79	88.68 5.07 -14.86
LISF____SOLAR 323691	81.25 3.24 -35.30	66.06 3.05 -19.21	70.90 3.46 -14.90	74.66 3.48 -14.88	71.35 3.43 -15.72	73.23 4.68 -7.96	162.39 10.61 -0.97	172.85 12.33 0.00	125.32 8.01 -0.65	120.54 8.24 -10.63	166.72 13.45 -5.23	124.68 4.07 -71.85	109.81 4.79 -44.23	80.91 4.09 -26.45	79.55 5.56 -3.60	59.46 4.09 -6.77	73.34 4.24 -10.26	83.35 5.10 -11.92	102.83 6.66 -11.09	128.76 8.86 -4.01	71.99 4.23 -12.00	71.70 4.66 -3.22	90.27 6.10 -6.79	88.83 5.21 -14.86



LITTLE FALLS___HYD 24013	44.25 1.55 0.00	45.37 1.57 0.00	54.51 1.97 0.00	58.24 1.94 0.00	54.08 1.88 0.00	62.63 2.05 0.00	155.78 4.97 0.00	165.97 5.45 0.00	121.08 4.42 0.00	106.69 5.03 0.00	155.04 7.00 0.00	51.19 2.42 0.00	63.79 3.00 0.00	53.02 2.65 0.00	73.19 2.81 0.00	50.44 1.85 0.00	61.07 2.24 0.00	69.18 2.84 0.00	88.62 3.55 0.00	120.54 4.63 0.00	58.05 2.29 0.00	66.55 2.73 0.00	80.18 2.80 0.00	71.27 2.52 0.00
LITTLRIV_115KV_TB1 356100	43.99 0.97 -0.31	44.63 0.82 0.00	53.27 0.72 0.00	57.32 1.03 0.00	53.21 1.01 0.00	61.60 1.01 0.00	155.27 4.46 0.00	164.20 3.68 0.00	118.90 2.25 0.00	102.63 0.96 0.00	150.51 2.39 -0.08	50.43 0.50 -1.16	61.87 0.36 -0.72	50.70 -0.04 -0.37	71.11 0.73 0.00	48.68 0.09 0.00	59.23 0.40 0.00	66.77 0.43 0.00	85.75 0.67 0.00	116.77 0.87 0.00	56.07 0.31 0.00	64.61 0.79 0.00	79.21 1.82 0.00	70.27 1.51 0.00
LI_NEWBRDGE___DRP 323616	80.51 2.50 -35.30	65.41 2.40 -19.21	70.16 2.72 -14.90	73.90 2.72 -14.88	70.59 2.67 -15.72	72.20 3.65 -7.96	160.44 8.66 -0.97	170.13 9.61 0.00	124.07 6.76 -0.65	118.99 6.69 -10.63	163.72 10.44 -5.23	124.25 3.63 -71.85	109.46 4.44 -44.23	80.58 3.76 -26.44	79.07 5.08 -3.60	59.02 3.66 -6.77	72.67 3.57 -10.26	82.47 4.21 -11.92	101.53 5.36 -11.09	127.09 7.19 -4.01	71.29 3.54 -12.00	70.93 3.89 -3.22	88.68 4.50 -6.79	87.60 3.98 -14.86
LOCKPORT_115KV_TB60_63_64 80432	38.65 -4.44 -0.39	39.67 -4.14 0.00	47.58 -4.96 0.00	50.97 -5.32 0.00	47.49 -4.71 0.00	55.34 -5.25 0.00	135.49 -15.32 0.00	142.43 -18.09 0.00	102.68 -13.40 0.57	79.50 -12.54 9.62	128.28 -19.89 -0.13	54.44 -6.44 -12.10	60.74 -7.51 -7.45	48.75 -5.48 -3.85	62.20 -8.18 0.00	42.83 -5.77 0.00	51.67 -7.16 0.00	57.14 -8.49 0.71	72.17 -10.77 2.13	94.69 -14.23 6.98	49.02 -6.74 0.00	56.67 -7.16 0.00	69.76 -7.63 0.00	61.83 -6.92 0.00
LOCKPORT___CC1 323769	38.51 -4.56 -0.36	39.56 -4.25 0.00	47.39 -5.15 0.00	50.76 -5.53 0.00	47.32 -4.89 0.00	55.10 -5.49 0.00	134.99 -15.82 0.00	141.83 -18.69 0.00	102.04 -13.88 0.73	77.15 -13.15 11.36	127.57 -20.42 0.06	54.36 -6.59 -12.18	60.70 -7.59 -7.50	48.75 -5.50 -3.88	62.17 -8.21 0.00	42.80 -5.79 0.00	51.65 -7.19 0.00	57.14 -8.50 0.70	72.12 -10.79 2.15	94.48 -14.31 7.10	48.99 -6.77 0.00	56.63 -7.19 0.00	69.71 -7.68 0.00	61.79 -6.96 0.00
LOCKPORT___CC2 323770	38.51 -4.56 -0.36	39.56 -4.25 0.00	47.39 -5.15 0.00	50.76 -5.53 0.00	47.32 -4.89 0.00	55.10 -5.49 0.00	134.99 -15.82 0.00	141.83 -18.69 0.00	102.04 -13.88 0.73	77.15 -13.15 11.36	127.57 -20.42 0.06	54.36 -6.59 -12.18	60.70 -7.59 -7.50	48.75 -5.50 -3.88	62.17 -8.21 0.00	42.80 -5.79 0.00	51.65 -7.19 0.00	57.14 -8.50 0.70	72.12 -10.79 2.15	94.48 -14.31 7.10	48.99 -6.77 0.00	56.63 -7.19 0.00	69.71 -7.68 0.00	61.79 -6.96 0.00
LOCKPORT___CC3 323771	38.51 -4.56 -0.36	39.56 -4.25 0.00	47.39 -5.15 0.00	50.76 -5.53 0.00	47.32 -4.89 0.00	55.10 -5.49 0.00	134.99 -15.82 0.00	141.83 -18.69 0.00	102.04 -13.88 0.73	77.15 -13.15 11.36	127.57 -20.42 0.06	54.36 -6.59 -12.18	60.70 -7.59 -7.50	48.75 -5.50 -3.88	62.17 -8.21 0.00	42.80 -5.79 0.00	51.65 -7.19 0.00	57.14 -8.50 0.70	72.12 -10.79 2.15	94.48 -14.31 7.10	48.99 -6.77 0.00	56.63 -7.19 0.00	69.71 -7.68 0.00	61.79 -6.96 0.00
LONG_LAKE_PHOENIX 24014	43.11 -1.52 -1.92	42.34 -1.47 0.00	50.76 -1.78 0.00	54.29 -2.01 0.00	50.40 -1.80 0.00	58.59 -1.99 0.00	145.63 -5.18 0.00	154.86 -5.66 0.00	112.51 -4.14 0.00	98.01 -3.66 0.00	143.25 -5.30 -0.50	54.26 -1.65 -7.15	63.15 -2.04 -4.40	51.09 -1.55 -2.27	68.09 -2.29 0.00	47.02 -1.58 0.00	56.91 -1.93 0.00	64.25 -2.19 -0.10	82.25 -2.94 -0.12	111.91 -3.99 0.00	53.82 -1.93 0.00	61.61 -2.21 0.00	74.64 -2.75 0.00	66.15 -2.60 0.00
LOVETT___3 23632	78.52 1.74 -34.07	64.03 1.72 -18.50	68.87 1.97 -14.35	72.62 1.99 -14.33	69.29 1.94 -15.15	70.89 2.64 -7.67	157.89 6.15 -0.93	167.38 6.86 0.00	121.72 4.44 -0.63	116.40 4.50 -10.24	160.03 7.14 -4.85	120.78 2.63 -69.39	106.81 3.30 -42.71	76.27 2.67 -23.23	76.27 3.56 -2.33	55.42 2.54 -4.29	71.21 2.48 -9.89	80.83 3.01 -11.48	99.38 3.62 -10.69	124.72 4.96 -3.86	69.86 2.54 -11.56	69.66 2.74 -3.10	80.30 2.92 0.00	74.59 2.57 -3.27
LOVETT___4 23642	78.52 1.74 -34.07	64.03 1.72 -18.50	68.87 1.97 -14.35	72.62 1.99 -14.33	69.29 1.94 -15.15	70.89 2.64 -7.67	157.89 6.15 -0.93	167.38 6.86 0.00	121.72 4.44 -0.63	116.40 4.50 -10.24	160.03 7.14 -4.85	120.78 2.63 -69.39	106.81 3.30 -42.71	76.27 2.67 -23.23	76.27 3.56 -2.33	55.42 2.54 -4.29	71.21 2.48 -9.89	80.83 3.01 -11.48	99.38 3.62 -10.69	124.72 4.96 -3.86	69.86 2.54 -11.56	69.66 2.74 -3.10	80.30 2.92 0.00	74.59 2.57 -3.27
LOVETT___5 23593	78.52 1.74 -34.07	64.03 1.72 -18.50	68.87 1.97 -14.35	72.62 1.99 -14.33	69.29 1.94 -15.15	70.89 2.64 -7.67	157.89 6.15 -0.93	167.38 6.86 0.00	121.72 4.44 -0.63	116.40 4.50 -10.24	160.03 7.14 -4.85	120.78 2.63 -69.39	106.81 3.30 -42.71	76.27 2.67 -23.23	76.27 3.56 -2.33	55.42 2.54 -4.29	71.21 2.48 -9.89	80.83 3.01 -11.48	99.38 3.62 -10.69	124.72 4.96 -3.86	69.86 2.54 -11.56	69.66 2.74 -3.10	80.30 2.92 0.00	74.59 2.57 -3.27
LOWER RAQUET___HYD 24057	43.41 0.37 -0.33	44.03 0.23 0.00	52.58 0.04 0.00	56.59 0.30 0.00	52.47 0.27 0.00	60.74 0.15 0.00	152.84 2.03 0.00	161.68 1.16 0.00	117.07 0.41 0.00	101.21 -0.46 0.00	148.23 0.10 -0.09	49.81 -0.19 -1.23	61.10 -0.44 -0.75	50.10 -0.66 -0.39	70.24 -0.14 0.00	48.05 -0.54 0.00	58.37 -0.46 0.00	65.73 -0.61 0.00	84.33 -0.75 0.00	114.83 -1.07 0.00	55.17 -0.59 0.00	63.49 -0.33 0.00	78.03 0.64 0.00	69.19 0.44 0.00
LOWER___HUDSON 24059	209.03 2.43 -163.90	214.33 2.50 -168.02	185.87 3.01 -130.31	189.66 3.12 -130.24	193.49 2.87 -138.42	133.92 3.27 -70.06	166.86 7.54 -8.50	168.29 7.77 0.00	127.96 5.58 -5.73	200.79 5.52 -93.61	162.30 8.05 -6.21	140.58 2.87 -88.94	119.18 3.63 -54.75	92.62 3.06 -39.19	95.79 4.12 -21.28	90.62 2.87 -39.16	152.43 3.22 -90.38	174.96 3.67 -104.96	187.32 4.54 -97.70	157.23 6.07 -35.26	164.47 3.03 -105.67	95.59 3.40 -28.37	81.31 3.93 0.00	102.24 3.62 -29.86
LOWVILLE_115KV_TB2 356335	43.75 0.23 -0.81	44.34 0.53 0.00	53.77 1.23 0.00	57.09 0.79 0.00	52.76 0.56 0.00	60.89 0.30 0.00	153.13 2.32 0.00	161.15 0.63 0.00	116.93 0.27 0.00	101.48 -0.19 0.00	148.11 -0.15 -0.21	51.95 0.17 -3.01	62.74 0.10 -1.85	51.39 0.06 -0.96	73.10 2.72 0.00	50.49 1.90 0.00	61.25 2.42 0.00	68.43 2.19 0.09	85.80 0.83 0.10	116.87 0.97 0.00	56.20 0.44 0.00	63.58 -0.24 0.00	77.18 -0.20 0.00	68.47 -0.28 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	239.43 3.10 -193.62	250.16 3.18 -203.17	213.96 3.86 -157.57	217.78 4.01 -157.48	223.25 3.73 -167.32	149.63 4.35 -84.69	171.50 10.41 -10.28	171.54 11.02 0.00	131.53 7.95 -6.92	222.28 7.47 -113.15	165.38 11.01 -6.32	143.09 3.77 -90.55	121.26 4.73 -55.74	96.26 3.89 -41.99	101.42 5.31 -25.73	99.60 3.67 -47.33	172.34 4.25 -109.25	198.16 4.95 -126.87	209.40 6.22 -118.10	166.85 8.32 -42.62	187.51 4.01 -127.74	102.62 4.51 -34.29	82.65 5.26 0.00	109.51 4.66 -36.10



LUTHERNY_35_KV_BK2 355980	239.47 3.14 -193.62	250.19 3.21 -203.17	214.05 3.95 -157.57	217.83 4.05 -157.48	223.30 3.77 -167.32	149.65 4.38 -84.69	171.64 10.56 -10.28	171.77 11.25 0.00	131.63 8.06 -6.92	222.38 7.56 -113.15	165.55 11.19 -6.32	143.13 3.81 -90.55	121.31 4.77 -55.74	96.33 3.96 -41.99	101.48 5.36 -25.73	99.61 3.68 -47.33	172.35 4.27 -109.25	198.24 5.03 -126.87	209.53 6.36 -118.10	167.02 8.50 -42.62	187.58 4.08 -127.74	102.69 4.58 -34.29	82.72 5.34 0.00	109.58 4.73 -36.10
LWR___OSWEGATCHIE_HYD 23850	43.52 0.21 -0.61	44.05 0.24 0.00	52.99 0.45 0.00	56.72 0.43 0.00	52.58 0.38 0.00	60.68 0.09 0.00	152.72 1.91 0.00	161.24 0.73 0.00	116.77 0.11 0.00	101.10 -0.57 0.00	147.76 -0.44 -0.16	50.88 -0.15 -2.26	61.80 -0.38 -1.39	50.60 -0.49 -0.72	71.40 1.02 0.00	49.10 0.51 0.00	59.58 0.74 0.00	66.79 0.45 0.00	84.79 -0.29 0.00	115.40 -0.50 0.00	55.49 -0.27 0.00	63.36 -0.46 0.00	77.40 0.02 0.00	68.61 -0.14 0.00
LYONS_FALL_HYD 23570	44.09 0.63 -0.75	44.64 0.83 0.00	53.95 1.41 0.00	57.43 1.13 0.00	53.15 0.95 0.00	61.48 0.90 0.00	154.16 3.35 0.00	163.02 2.50 0.00	118.42 1.76 0.00	103.00 1.34 0.00	150.30 2.06 -0.20	52.40 0.83 -2.80	63.49 0.98 -1.72	52.06 0.80 -0.89	73.13 2.74 0.00	50.51 1.92 0.00	61.20 2.37 0.00	68.56 2.32 0.11	86.66 1.71 0.12	118.12 2.22 0.00	56.78 1.02 0.00	64.49 0.66 0.00	78.17 0.78 0.00	69.34 0.59 0.00
MADISON___COUNTY_LFGE 323628	44.93 0.91 -1.31	44.86 1.06 0.00	53.92 1.38 0.00	57.65 1.35 0.00	53.49 1.29 0.00	62.07 1.49 0.00	155.29 4.48 0.00	165.32 4.80 0.00	120.17 3.52 0.00	104.73 3.07 0.00	152.97 4.59 -0.34	55.20 1.57 -4.86	65.71 1.93 -2.99	53.55 1.63 -1.54	72.86 2.47 0.00	50.35 1.75 0.00	61.00 2.16 0.00	68.35 2.24 0.23	87.32 2.51 0.27	119.26 3.35 0.00	57.28 1.52 0.00	65.42 1.60 0.00	79.14 1.75 0.00	70.12 1.37 0.00
MALONE___115KV_TB1 356076	43.23 0.52 0.00	44.07 0.26 0.00	52.72 0.17 0.00	57.07 0.78 0.00	53.19 0.99 0.00	61.56 0.97 0.00	154.19 3.38 0.00	163.98 3.46 0.00	119.88 3.22 0.00	103.73 2.07 0.00	150.58 2.53 0.00	49.28 0.50 0.00	61.03 0.23 0.00	50.08 -0.30 0.00	70.34 -0.04 0.00	49.54 -0.49 -1.44	63.97 -0.25 -5.39	71.62 -0.20 -5.49	92.21 -0.02 -7.15	122.43 -0.09 -6.61	56.50 -0.06 -0.80	66.46 0.00 -2.65	83.60 0.58 -5.63	71.30 0.46 -2.09
MAPLEWOD_115KV_TB3 80458	180.93 2.13 -136.09	180.85 2.21 -134.83	159.81 2.70 -104.57	163.62 2.81 -104.51	165.78 2.51 -111.06	119.74 2.94 -56.22	164.35 6.72 -6.82	167.24 6.72 0.00	126.28 5.03 -4.59	181.64 4.86 -75.11	161.26 7.04 -6.18	139.71 2.52 -88.41	118.39 3.17 -54.43	89.94 2.70 -36.86	91.04 3.58 -17.08	82.50 2.48 -31.42	134.10 2.75 -72.51	153.60 3.05 -84.21	167.24 3.77 -78.39	149.29 5.10 -28.29	143.21 2.67 -84.79	89.53 2.95 -22.76	80.76 3.37 0.00	95.97 3.26 -23.96
MAPLE_RIDGE_WT_1 323574	41.92 -0.79 0.00	43.09 -0.72 0.00	51.69 -0.85 0.00	55.38 -0.91 0.00	51.22 -0.98 0.00	59.44 -1.15 0.00	148.41 -2.40 0.00	158.00 -2.52 0.00	115.02 -1.64 0.00	99.62 -2.05 0.00	144.81 -3.23 0.00	47.75 -1.02 0.00	59.51 -1.28 0.00	49.13 -1.24 0.00	69.60 -0.79 0.00	48.14 -0.46 0.00	58.39 -0.45 0.00	65.27 -1.07 0.00	83.30 -1.77 0.00	113.18 -2.72 0.00	54.39 -1.37 0.00	62.23 -1.59 0.00	75.67 -1.72 0.00	67.38 -1.38 0.00
MAPLE_RIDGE_WT_2 323611	41.92 -0.79 0.00	43.09 -0.72 0.00	51.69 -0.85 0.00	55.38 -0.91 0.00	51.22 -0.98 0.00	59.44 -1.15 0.00	148.41 -2.40 0.00	158.00 -2.52 0.00	115.02 -1.64 0.00	99.62 -2.05 0.00	144.81 -3.23 0.00	47.75 -1.02 0.00	59.51 -1.28 0.00	49.13 -1.24 0.00	69.60 -0.79 0.00	48.14 -0.46 0.00	58.39 -0.45 0.00	65.27 -1.07 0.00	83.30 -1.77 0.00	113.18 -2.72 0.00	54.39 -1.37 0.00	62.23 -1.59 0.00	75.67 -1.72 0.00	67.38 -1.38 0.00
MARBLE_RIVER_WT_PWR 323696	42.10 -0.61 0.00	42.99 -0.82 0.00	51.54 -1.00 0.00	55.86 -0.43 0.00	52.21 0.01 0.00	60.36 -0.23 0.00	150.62 -0.19 0.00	160.91 0.39 0.00	117.72 1.07 0.00	102.00 0.34 0.00	147.61 -0.43 0.00	48.19 -0.58 0.00	59.75 -1.04 0.00	48.95 -1.42 0.00	68.72 -1.66 0.00	26.12 -1.65 20.83	-21.00 -1.69 78.15	-15.13 -1.89 79.58	-20.87 -2.16 103.78	16.96 -3.05 95.90	42.60 -1.50 11.66	23.73 -1.70 38.40	-5.96 -1.61 81.73	37.08 -1.37 30.30
MARSHVLE_115KV_TB1 80742	230.61 1.86 -186.04	236.18 1.88 -190.49	202.51 2.23 -147.73	206.36 2.41 -147.65	211.36 2.31 -156.85	142.89 2.92 -79.39	168.26 7.82 -9.63	169.43 8.91 0.00	129.65 6.51 -6.49	213.32 5.58 -106.07	162.41 7.27 -7.10	152.64 2.23 -101.63	125.93 2.57 -62.56	97.33 2.27 -44.68	97.59 3.08 -24.12	94.94 1.97 -44.37	164.06 2.82 -102.41	188.68 3.48 -118.86	200.14 4.44 -110.63	161.94 6.08 -39.96	178.37 2.87 -119.75	99.25 3.29 -32.14	81.40 4.02 0.00	105.83 3.23 -33.84
MARSH_HILL_WT_PWR 323713	38.44 -3.88 0.40	45.70 -3.74 -5.63	51.78 -5.13 -4.37	55.16 -5.49 -4.36	52.23 -4.60 -4.63	57.58 -5.36 -2.34	138.19 -12.90 -0.28	145.69 -14.83 0.00	102.96 -11.90 1.80	60.01 -11.94 29.71	131.66 -15.05 1.34	60.12 -5.06 -16.41	64.50 -6.40 -10.10	51.03 -4.92 -5.58	63.10 -7.99 -0.71	44.31 -5.59 -1.31	55.11 -6.75 -3.02	62.14 -7.20 -3.01	74.63 -8.78 1.67	83.07 -10.93 21.89	54.06 -5.24 -3.54	59.66 -5.11 -0.95	71.65 -5.73 0.00	63.94 -5.82 -1.00
MCINTYRE_115KV_TB2 80467	43.97 1.26 0.00	44.93 1.13 0.00	53.58 1.04 0.00	57.69 1.40 0.00	53.57 1.37 0.00	62.02 1.44 0.00	156.49 5.68 0.00	165.77 5.25 0.00	120.22 3.56 0.00	103.75 2.08 0.00	151.79 3.75 0.00	49.69 0.91 0.00	61.65 0.86 0.00	50.71 0.34 0.00	71.59 1.21 0.00	49.16 0.56 0.00	59.88 1.05 0.00	67.58 1.24 0.00	86.91 1.84 0.00	118.35 2.45 0.00	56.80 1.05 0.00	65.31 1.49 0.00	79.93 2.54 0.00	70.87 2.12 0.00
MECO_____69_KV_BK1 80468	242.25 2.90 -196.64	251.17 2.92 -204.44	214.57 3.47 -158.55	218.47 3.71 -158.46	224.04 3.50 -168.34	150.03 4.24 -85.21	172.24 11.09 -10.34	172.83 12.31 0.00	132.61 8.98 -6.96	223.36 7.85 -113.84	165.48 10.61 -6.83	149.96 3.37 -97.82	124.98 3.97 -60.22	98.27 3.51 -44.38	101.14 4.87 -25.88	99.46 3.24 -47.62	173.10 4.35 -109.92	199.28 5.30 -127.64	210.59 6.69 -118.82	167.91 9.12 -42.88	188.58 4.31 -128.52	103.10 4.78 -34.50	83.04 5.66 0.00	109.79 4.72 -36.32
MENANDS___115KV_TB5 355628	175.69 1.93 -131.05	174.65 2.01 -128.84	154.94 2.48 -99.92	158.73 2.57 -99.87	160.60 2.27 -106.13	116.95 2.65 -53.72	163.21 5.88 -6.52	166.29 5.77 0.00	125.39 4.34 -4.39	177.70 4.26 -71.77	160.33 6.13 -6.16	139.24 2.23 -88.23	117.93 2.83 -54.31	89.22 2.44 -36.41	89.89 3.19 -16.32	80.83 2.21 -30.02	130.52 2.39 -69.30	149.40 2.58 -80.47	163.16 3.17 -74.91	147.25 4.31 -27.04	139.11 2.33 -81.02	88.14 2.57 -21.75	80.32 2.93 0.00	94.59 2.94 -22.90
MG INDUSTRY___DRP 24185	139.47 4.20 -92.55	131.97 4.38 -83.78	122.88 5.36 -64.98	126.93 5.69 -64.94	126.42 5.21 -69.01	101.43 5.92 -34.93	168.17 13.12 -4.24	173.59 13.07 0.00	130.27 10.76 -2.85	157.77 9.44 -46.66	166.79 12.83 -5.91	137.20 3.78 -84.65	117.32 4.41 -52.11	85.94 3.23 -32.34	85.88 4.89 -10.61	71.28 3.17 -19.52	108.49 4.60 -45.05	122.96 4.64 -51.97	138.53 5.27 -48.18	140.51 7.21 -17.39	111.54 3.67 -52.11	82.01 4.20 -13.99	82.43 5.05 0.00	88.46 4.97 -14.73



MID___OSWEGATCHIE_HYD 23849	43.52 0.21 -0.61	44.05 0.24 0.00	52.99 0.45 0.00	56.72 0.43 0.00	52.58 0.38 0.00	60.68 0.09 0.00	152.72 1.91 0.00	161.24 0.73 0.00	116.77 0.11 0.00	101.10 -0.57 0.00	147.76 -0.44 -0.16	50.88 -0.15 -2.26	61.80 -0.38 -1.39	50.60 -0.49 -0.72	71.40 1.02 0.00	49.10 0.51 0.00	59.58 0.74 0.00	66.79 0.45 0.00	84.79 -0.29 0.00	115.40 -0.50 0.00	55.49 -0.27 0.00	63.36 -0.46 0.00	77.40 0.02 0.00	68.61 -0.14 0.00
MID___RAQUETTE_HYD 23851	43.41 0.37 -0.33	44.03 0.23 0.00	52.58 0.04 0.00	56.59 0.30 0.00	52.47 0.27 0.00	60.74 0.15 0.00	152.84 2.03 0.00	161.68 1.16 0.00	117.05 0.40 0.00	101.17 -0.50 0.00	148.23 0.10 -0.09	49.81 -0.19 -1.23	61.11 -0.44 -0.75	50.10 -0.66 -0.39	70.24 -0.15 0.00	48.05 -0.55 0.00	58.37 -0.46 0.00	65.72 -0.61 0.00	84.33 -0.75 0.00	114.82 -1.08 0.00	55.17 -0.59 0.00	63.49 -0.33 0.00	78.03 0.64 0.00	69.19 0.44 0.00
MILLIKEN___1 23584	62.15 -0.06 -19.50	49.58 -0.02 -5.79	57.02 -0.01 -4.49	60.64 -0.14 -4.49	56.99 0.03 -4.76	63.11 0.11 -2.41	151.19 0.09 -0.29	160.63 0.11 0.00	119.01 -0.04 -2.39	140.94 -0.15 -39.42	151.70 -0.18 -3.83	64.35 -0.07 -15.65	70.40 -0.03 -9.64	55.82 0.10 -5.35	70.82 -0.29 -0.73	49.81 -0.12 -1.35	61.77 -0.16 -3.11	69.76 0.13 -3.29	93.01 0.14 -7.79	142.85 0.31 -26.64	59.51 0.12 -3.63	64.94 0.15 -0.97	77.41 0.02 0.00	69.54 -0.24 -1.03
MILLIKEN___2 23585	62.15 -0.06 -19.50	49.58 -0.02 -5.79	57.02 -0.01 -4.49	60.64 -0.14 -4.49	56.99 0.03 -4.76	63.11 0.11 -2.41	151.19 0.09 -0.29	160.63 0.11 0.00	119.01 -0.04 -2.39	140.94 -0.15 -39.42	151.70 -0.18 -3.83	64.35 -0.07 -15.65	70.40 -0.03 -9.64	55.82 0.10 -5.35	70.82 -0.29 -0.73	49.81 -0.12 -1.35	61.77 -0.16 -3.11	69.76 0.13 -3.29	93.01 0.14 -7.79	142.85 0.31 -26.64	59.51 0.12 -3.63	64.94 0.15 -0.97	77.41 0.02 0.00	69.54 -0.24 -1.03
MILLIKEN___DIESEL 23629	62.15 -0.06 -19.50	49.58 -0.02 -5.79	57.02 -0.01 -4.49	60.64 -0.14 -4.49	56.99 0.03 -4.76	63.11 0.11 -2.41	151.19 0.09 -0.29	160.63 0.11 0.00	119.01 -0.04 -2.39	140.94 -0.15 -39.42	151.70 -0.18 -3.83	64.35 -0.07 -15.65	70.40 -0.03 -9.64	55.82 0.10 -5.35	70.82 -0.29 -0.73	49.81 -0.12 -1.35	61.77 -0.16 -3.11	69.76 0.13 -3.29	93.01 0.14 -7.79	142.85 0.31 -26.64	59.51 0.12 -3.63	64.94 0.15 -0.97	77.41 0.02 0.00	69.54 -0.24 -1.03
MILLSEAT___LFGE 323607	39.88 -3.30 -0.46	40.81 -3.00 0.00	48.90 -3.65 0.00	52.36 -3.94 0.00	48.82 -3.38 0.00	56.93 -3.66 0.00	139.94 -10.87 0.00	147.54 -12.98 0.00	106.32 -9.79 0.54	82.88 -9.71 9.08	132.78 -15.40 -0.14	55.61 -4.92 -11.76	62.37 -5.66 -7.24	50.12 -4.00 -3.74	64.21 -6.17 0.00	44.20 -4.39 0.00	53.53 -5.30 0.00	59.46 -6.17 0.72	75.24 -7.77 2.07	99.04 -10.30 6.56	50.87 -4.89 0.00	58.64 -5.18 0.00	71.91 -5.47 0.00	63.65 -5.10 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	79.86 2.05 -35.11	64.94 2.02 -19.11	69.69 2.33 -14.82	73.46 2.37 -14.80	70.12 2.28 -15.64	71.52 3.02 -7.92	158.93 7.15 -0.96	168.52 8.00 0.00	122.68 5.37 -0.65	117.52 5.28 -10.58	161.37 8.34 -4.99	123.21 3.02 -71.43	108.52 3.76 -43.97	77.36 3.06 -23.92	76.89 4.10 -2.40	55.94 2.93 -4.43	71.94 2.90 -10.21	81.67 3.47 -11.86	100.32 4.21 -11.04	125.65 5.76 -3.98	70.61 2.91 -11.94	70.21 3.18 -3.21	80.82 3.43 0.00	75.16 3.03 -3.37
MILLWOOD_13_KV_LOAD 356217	79.93 2.11 -35.11	65.00 2.09 -19.11	69.78 2.42 -14.82	73.53 2.44 -14.80	70.20 2.36 -15.64	71.62 3.11 -7.92	159.17 7.40 -0.96	168.83 8.30 0.00	122.90 5.60 -0.65	117.72 5.48 -10.58	161.65 8.62 -4.99	123.30 3.11 -71.43	108.63 3.87 -43.97	77.45 3.15 -23.92	77.00 4.21 -2.40	56.01 2.99 -4.43	72.04 3.00 -10.21	81.77 3.58 -11.86	100.47 4.36 -11.04	125.84 5.96 -3.98	70.70 3.01 -11.94	70.31 3.28 -3.21	80.93 3.54 0.00	75.25 3.12 -3.37
MODEL_CITY_ENERGY 24167	38.34 -4.72 -0.36	39.41 -4.40 0.00	47.24 -5.30 0.00	50.61 -5.69 0.00	47.14 -5.06 0.00	54.92 -5.66 0.00	134.31 -16.50 0.00	141.11 -19.41 0.00	101.62 -14.44 0.60	78.13 -13.54 10.00	127.00 -21.14 -0.11	54.17 -6.88 -12.27	60.14 -8.21 -7.56	48.18 -6.10 -3.91	61.41 -8.98 0.00	42.30 -6.29 0.00	51.00 -7.83 0.00	56.36 -9.28 0.70	71.16 -11.75 2.16	93.11 -15.64 7.15	48.35 -7.41 0.00	55.90 -7.92 0.00	68.89 -8.50 0.00	61.10 -7.66 0.00
MODERN_LFGE___ 323580	38.34 -4.72 -0.36	39.41 -4.40 0.00	47.24 -5.30 0.00	50.61 -5.69 0.00	47.14 -5.06 0.00	54.92 -5.66 0.00	134.31 -16.50 0.00	141.11 -19.41 0.00	101.62 -14.44 0.60	78.13 -13.54 10.00	127.00 -21.14 -0.11	54.17 -6.88 -12.27	60.14 -8.21 -7.56	48.18 -6.10 -3.91	61.41 -8.98 0.00	42.30 -6.29 0.00	51.00 -7.83 0.00	56.36 -9.28 0.70	71.16 -11.75 2.16	93.11 -15.64 7.15	48.35 -7.41 0.00	55.90 -7.92 0.00	68.89 -8.50 0.00	61.10 -7.66 0.00
MOHAWK_PAPER___DRP 24187	180.93 2.13 -136.09	180.85 2.21 -134.83	159.81 2.70 -104.57	163.62 2.81 -104.51	165.78 2.51 -111.06	119.74 2.94 -56.22	164.35 6.72 -6.82	167.24 6.72 0.00	126.28 5.03 -4.59	181.64 4.86 -75.11	161.26 7.04 -6.18	139.71 2.52 -88.41	118.39 3.17 -54.43	89.94 2.70 -36.86	91.04 3.58 -17.08	82.50 2.48 -31.42	134.10 2.75 -72.51	153.60 3.05 -84.21	167.24 3.77 -78.39	149.29 5.10 -28.29	143.21 2.67 -84.79	89.53 2.95 -22.76	80.76 3.37 0.00	95.97 3.26 -23.96
MOHICAN___35_KV_115KV_LD 80490	241.97 4.17 -195.09	252.97 4.26 -204.90	216.57 5.12 -158.91	220.46 5.35 -158.82	225.99 5.04 -168.75	151.93 5.93 -85.41	175.47 14.30 -10.36	175.52 15.01 0.00	134.67 11.03 -6.98	226.03 10.25 -114.11	169.55 15.18 -6.33	144.63 5.22 -90.64	123.16 6.57 -55.80	97.79 5.29 -42.13	103.47 7.14 -25.95	101.26 4.93 -47.74	174.77 5.76 -110.18	200.95 6.66 -127.96	212.63 8.44 -119.11	170.07 11.19 -42.99	189.91 5.32 -128.83	104.47 6.07 -34.58	84.48 7.09 0.00	111.33 6.16 -36.41
MONGAUP___HYD 23641	77.26 2.36 -32.19	63.64 2.38 -17.46	68.87 2.79 -13.54	72.67 2.85 -13.52	69.20 2.71 -14.29	71.25 3.43 -7.23	160.09 8.40 -0.88	169.90 9.38 0.00	123.74 6.49 -0.59	117.35 6.04 -9.64	161.87 9.24 -4.58	117.46 3.13 -65.55	104.90 3.75 -40.35	75.19 2.87 -21.94	76.69 4.11 -2.20	55.71 3.07 -4.04	71.34 3.18 -9.33	81.24 4.07 -10.84	100.32 5.16 -10.09	126.66 7.12 -3.64	70.21 3.55 -10.91	70.63 3.88 -2.93	81.67 4.28 0.00	75.50 3.66 -3.08
MONTAUK___DIESEL 23721	80.53 2.52 -35.30	65.29 2.27 -19.21	69.91 2.47 -14.90	73.59 2.42 -14.88	70.42 2.50 -15.72	72.22 3.67 -7.96	157.91 6.14 -0.97	170.27 9.75 0.00	124.22 6.91 -0.65	119.91 7.61 -10.63	165.22 11.95 -5.23	123.76 3.15 -71.85	107.85 2.83 -44.23	79.22 2.40 -26.44	77.19 3.21 -3.60	57.93 2.56 -6.77	72.32 3.23 -10.26	82.38 4.12 -11.92	101.65 5.48 -11.09	127.09 7.19 -4.01	71.11 3.35 -12.00	70.61 3.57 -3.22	89.01 4.83 -6.79	87.63 4.01 -14.86
MOONROAD_115KV_HARTFLD_TB1-2 355988	39.23 -3.60 -0.12	40.89 -2.92 0.00	49.26 -3.28 0.00	52.89 -3.41 0.00	49.01 -3.19 0.00	56.96 -3.63 0.00	140.33 -10.48 0.00	147.44 -13.08 0.00	105.21 -10.70 0.74	78.64 -10.75 12.28	131.49 -16.57 -0.02	57.21 -5.22 -13.66	62.96 -6.24 -8.41	50.35 -4.40 -4.37	63.63 -6.75 0.00	43.55 -5.04 0.00	52.93 -5.90 0.00	58.67 -7.02 0.65	73.99 -8.68 2.40	96.32 -10.80 8.78	51.33 -4.43 0.00	59.53 -4.29 0.00	71.74 -5.65 0.00	62.44 -6.32 0.00



MORRIS_RIDGE___SOLAR 323848	42.68 -2.98 -2.95	46.01 -3.08 -5.29	52.59 -4.05 -4.10	55.94 -4.45 -4.09	52.73 -3.81 -4.34	58.50 -4.28 -2.20	139.34 -11.73 -0.27	146.74 -13.78 0.00	105.24 -10.41 1.00	74.82 -10.26 16.59	134.45 -13.20 0.39	60.32 -4.06 -15.61	65.56 -4.84 -9.61	52.02 -3.66 -5.31	64.55 -6.50 -0.67	45.09 -4.73 -1.23	56.11 -5.57 -2.85	62.93 -6.15 -2.74	77.33 -7.57 0.17	93.86 -9.40 12.64	54.64 -4.45 -3.33	60.07 -4.64 -0.89	71.77 -5.61 0.00	64.11 -5.58 -0.94
MORTIMER_115KV_TB3 55949	40.86 -2.64 -0.79	41.38 -2.43 0.00	49.62 -2.92 0.00	53.12 -3.17 0.00	49.46 -2.75 0.00	57.58 -3.01 0.00	142.49 -8.32 0.00	150.80 -9.71 0.00	108.90 -7.35 0.41	87.66 -7.16 6.84	137.09 -11.16 -0.21	55.60 -3.50 -10.32	62.92 -4.23 -6.36	50.55 -3.11 -3.28	65.70 -4.69 0.00	45.27 -3.32 0.00	54.79 -4.04 0.00	60.90 -4.69 0.75	77.25 -6.04 1.79	102.97 -8.09 4.84	51.90 -3.86 0.00	59.70 -4.12 0.00	72.86 -4.53 0.00	64.56 -4.20 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	80.32 2.30 -35.32	65.28 2.26 -19.21	70.05 2.61 -14.90	73.83 2.65 -14.88	70.50 2.57 -15.72	71.94 3.39 -7.96	159.89 8.11 -0.97	169.71 9.19 0.00	123.51 6.21 -0.65	118.32 6.02 -10.63	162.57 9.51 -5.02	124.05 3.40 -71.87	109.27 4.23 -44.24	77.88 3.44 -24.07	77.41 4.61 -2.42	56.31 3.27 -4.45	72.33 3.23 -10.27	82.09 3.83 -11.92	100.82 4.65 -11.10	126.24 6.33 -4.01	70.95 3.19 -12.00	70.54 3.49 -3.22	81.13 3.75 0.00	75.46 3.32 -3.39
MUNSVILLE_WIND_PWR 323609	66.10 0.88 -22.51	57.91 0.82 -13.28	63.79 0.95 -10.29	67.66 1.08 -10.29	64.28 1.16 -10.92	67.59 1.47 -5.53	156.05 4.57 -0.67	166.34 5.82 0.00	122.39 4.19 -1.55	131.11 3.97 -25.47	156.29 5.26 -2.98	73.32 1.41 -23.13	77.52 2.49 -14.24	61.39 2.81 -8.21	73.87 1.81 -1.68	52.68 1.00 -3.09	67.83 1.86 -7.13	76.66 2.31 -8.01	98.04 3.17 -9.79	135.68 4.29 -15.49	66.03 1.94 -8.33	68.04 1.99 -2.24	79.41 2.03 0.00	72.54 1.43 -2.35
N SALMON___HYD 24042	43.23 0.52 0.00	44.07 0.26 0.00	52.72 0.18 0.00	57.07 0.78 0.00	53.19 0.99 0.00	61.56 0.97 0.00	154.19 3.38 0.00	163.98 3.46 0.00	119.89 3.24 0.00	103.78 2.11 0.00	150.57 2.53 0.00	49.28 0.51 0.00	61.03 0.23 0.00	50.08 -0.30 0.00	70.34 -0.05 0.00	49.54 -0.49 0.00	63.97 -0.25 0.00	71.62 -0.20 0.00	92.22 -0.01 0.00	122.44 -0.08 0.00	56.49 -0.07 0.00	66.46 0.00 -2.65	83.60 0.58 -5.63	71.30 0.46 -2.09
N.AKRON__115KV_KNAPP 355671	39.50 -3.64 -0.43	40.47 -3.33 0.00	48.53 -4.01 0.00	51.97 -4.32 0.00	48.44 -3.76 0.00	56.48 -4.10 0.00	138.66 -12.15 0.00	146.07 -14.45 0.00	105.29 -10.81 0.55	82.03 -10.35 9.30	131.55 -16.63 -0.14	55.33 -5.33 -11.89	61.96 -6.16 -7.32	49.76 -4.40 -3.79	63.67 -6.72 0.00	43.83 -4.76 0.00	52.99 -5.85 0.00	58.74 -6.89 0.71	74.28 -8.71 2.09	97.70 -11.47 6.73	50.29 -5.47 0.00	58.06 -5.76 0.00	71.29 -6.10 0.00	63.12 -5.63 0.00
N.BELMOR_69_KV_BK1 55787	80.76 2.75 -35.30	65.66 2.64 -19.21	70.44 3.00 -14.90	74.19 3.02 -14.88	70.87 2.95 -15.72	72.56 4.02 -7.96	161.48 9.70 -0.97	171.32 10.80 0.00	125.00 7.70 -0.65	119.73 7.43 -10.63	164.89 11.62 -5.23	124.61 4.00 -71.85	109.88 4.86 -44.23	80.93 4.11 -26.44	79.56 5.57 -3.60	59.37 4.00 -6.77	73.02 3.92 -10.26	82.90 4.64 -11.92	102.26 6.09 -11.09	128.10 8.20 -4.01	71.75 3.99 -12.00	71.41 4.37 -3.22	89.23 5.06 -6.79	88.10 4.48 -14.86
N.E_GEN_SANDY PD 24062	145.29 2.24 -100.34	117.61 2.29 -71.51	110.05 2.72 -54.79	109.29 2.79 -50.20	101.01 2.60 -46.21	85.98 3.11 -22.28	160.46 6.94 -2.70	167.76 7.24 0.00	123.75 5.03 -2.06	137.86 5.14 -31.06	161.31 7.69 -5.57	133.95 2.84 -82.34	152.83 3.61 -88.42	122.22 3.03 -68.81	138.11 4.06 -63.67	126.49 2.85 -75.05	103.69 3.05 -41.81	138.07 3.51 -68.22	146.08 4.28 -56.73	169.69 5.76 -48.03	157.20 2.95 -98.49	157.46 3.27 -90.37	150.35 3.71 -69.26	125.76 3.41 -53.59
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	78.54 1.82 -34.01	64.06 1.78 -18.47	68.93 2.06 -14.33	72.69 2.08 -14.31	69.35 2.03 -15.12	70.98 2.75 -7.65	158.14 6.40 -0.93	167.70 7.18 0.00	121.95 4.67 -0.62	116.58 4.70 -10.21	160.32 7.44 -4.84	120.74 2.72 -69.25	106.84 3.42 -42.63	76.32 2.77 -23.19	76.40 3.69 -2.32	55.51 2.64 -4.28	71.31 2.60 -9.87	80.94 3.14 -11.46	99.52 3.78 -10.67	124.95 5.19 -3.85	69.95 2.65 -11.54	69.78 2.86 -3.10	80.45 3.06 0.00	74.70 2.69 -3.26
N.QUEENS_27_KV_LOAD 356247	80.38 2.35 -35.31	65.35 2.32 -19.21	70.10 2.66 -14.90	73.84 2.66 -14.88	70.53 2.61 -15.72	72.02 3.48 -7.96	160.61 8.84 -0.97	170.22 9.70 0.00	123.45 6.14 -0.65	118.41 6.11 -10.63	163.10 10.04 -5.02	124.20 3.55 -71.87	109.41 4.38 -44.24	77.99 3.55 -24.07	77.64 4.83 -2.42	56.48 3.44 -4.45	72.43 3.33 -10.26	82.24 3.98 -11.92	101.00 4.82 -11.10	126.46 6.56 -4.01	71.17 3.41 -12.00	70.68 3.64 -3.22	81.28 3.90 0.00	75.64 3.50 -3.39
N.TROY___115KV_TB1 355778	209.04 2.43 -163.90	214.33 2.50 -168.02	185.87 3.02 -130.31	189.66 3.12 -130.24	193.49 2.87 -138.42	133.92 3.27 -70.06	166.86 7.55 -8.50	168.29 7.77 0.00	127.96 5.58 -5.73	200.80 5.52 -93.61	162.31 8.05 -6.21	140.58 2.87 -88.94	119.18 3.63 -54.75	92.62 3.05 -39.19	95.79 4.12 -21.28	90.62 2.87 -39.16	152.44 3.22 -90.38	174.98 3.68 -104.96	187.32 4.55 -97.70	157.23 6.07 -35.26	164.47 3.03 -105.67	95.59 3.40 -28.37	81.31 3.93 0.00	102.24 3.63 -29.86
NARROWS_GT1_1 24228	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT1_2 24229	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT1_3 24230	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT1_4 24231	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39



NARROWS_GT1_5 24232	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT1_6 24233	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT1_7 24234	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT1_8 24235	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	87.98 4.26 -17.38	120.59 5.18 -30.33	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_1 24236	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_2 24237	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_3 24238	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_4 24239	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_5 24240	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_6 24241	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_7 24242	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NARROWS_GT2_8 24243	80.75 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.21 3.03 -14.88	70.87 2.94 -15.72	72.44 3.89 -7.96	161.15 9.38 -0.97	170.93 10.41 0.00	124.29 6.98 -0.65	119.16 6.85 -10.64	163.65 10.58 -5.02	124.40 3.75 -71.88	109.70 4.65 -44.26	79.11 3.86 -24.88	78.44 5.13 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.82 4.26 -12.22	102.64 5.18 -12.38	143.21 7.19 -20.12	71.99 3.65 -12.58	72.42 3.97 -4.63	81.71 4.27 -0.05	75.95 3.80 -3.39
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	131.14 3.50 -84.93	122.52 3.61 -75.09	115.22 4.43 -58.24	119.21 4.71 -58.20	118.33 4.28 -61.84	96.77 4.89 -31.30	164.85 10.24 -3.80	170.60 10.08 0.00	128.39 9.17 -2.56	151.69 8.20 -41.82	165.30 11.44 -5.81	135.62 3.62 -83.23	116.29 4.26 -51.24	85.01 3.31 -31.32	84.36 4.47 -9.51	69.05 2.96 -17.49	103.24 4.03 -40.38	117.83 4.69 -46.80	134.43 5.83 -43.51	139.60 8.00 -15.71	106.80 3.98 -47.07	81.03 4.58 -12.63	82.81 5.42 0.00	87.27 5.21 -13.30
NCHELSEA_115KV_TR2 355582	81.13 2.49 -35.93	66.21 2.48 -19.93	70.91 2.91 -15.46	74.71 2.97 -15.44	71.37 2.85 -16.32	72.45 3.60 -8.26	160.52 8.70 -1.00	170.31 9.79 0.00	124.84 7.49 -0.69	119.98 7.07 -11.24	164.03 10.87 -5.12	125.87 3.81 -73.29	110.68 4.77 -45.12	78.84 3.87 -24.59	77.66 4.76 -2.51	56.58 3.37 -4.62	73.04 3.55 -10.65	82.95 4.24 -12.37	101.83 5.25 -11.51	127.25 7.19 -4.16	71.81 3.60 -12.45	71.11 3.95 -3.34	81.74 4.36 0.00	76.04 3.76 -3.52
NEG CAPITAL___MECHNVIL 23645	231.37 3.15 -185.52	240.63 3.21 -193.61	206.56 3.86 -150.15	210.40 4.04 -150.07	215.42 3.75 -159.47	145.67 4.37 -80.71	171.13 10.52 -9.79	171.58 11.07 0.00	131.29 8.03 -6.60	217.08 7.57 -107.84	165.47 11.14 -6.29	142.63 3.81 -90.05	121.00 4.77 -55.44	95.53 3.94 -41.21	100.31 5.41 -24.52	97.44 3.73 -45.11	167.32 4.37 -104.12	192.28 5.03 -120.92	203.94 6.31 -112.55	164.99 8.47 -40.62	181.59 4.09 -121.74	101.09 4.59 -32.68	82.71 5.33 0.00	107.89 4.73 -34.41



NEG CENTRAL_HIGH_ACRES 23767	41.09 -2.86 -1.24	41.12 -2.69 0.00	49.27 -3.27 0.00	52.74 -3.55 0.00	49.09 -3.11 0.00	57.15 -3.44 0.00	141.57 -9.24 0.00	150.07 -10.45 0.00	108.47 -7.88 0.31	89.15 -7.47 5.04	136.96 -11.40 -0.32	55.20 -3.60 -10.03	62.58 -4.39 -6.18	50.27 -3.29 -3.19	65.46 -4.92 0.00	45.13 -3.46 0.00	54.63 -4.21 0.00	60.82 -4.82 0.70	77.40 -6.19 1.48	103.96 -8.39 3.56	51.76 -4.00 0.00	59.41 -4.41 0.00	72.34 -5.04 0.00	64.10 -4.65 0.00
NEG CENTRAL___DRP 24199	42.12 -1.15 -0.56	42.75 -1.06 0.00	51.25 -1.30 0.00	54.76 -1.53 0.00	51.02 -1.18 0.00	59.28 -1.31 0.00	146.66 -4.15 0.00	155.58 -4.94 0.00	112.44 -3.72 0.49	90.27 -3.29 8.10	143.12 -5.06 -0.14	58.07 -1.50 -10.80	65.65 -1.79 -6.65	52.62 -1.18 -3.43	68.29 -2.09 0.00	47.14 -1.46 0.00	57.08 -1.75 0.00	64.16 -1.77 0.42	81.03 -2.50 1.56	106.83 -3.38 5.70	54.29 -1.46 0.00	62.27 -1.55 0.00	75.40 -1.98 0.00	66.74 -2.01 0.00
NEG CENTRAL___INDECK 23768	38.64 -2.53 1.55	41.34 -2.47 0.00	49.34 -3.20 0.00	52.81 -3.48 0.00	49.24 -2.96 0.00	57.43 -3.16 0.00	142.32 -8.49 0.00	150.52 -10.00 0.00	107.67 -7.89 1.10	75.38 -8.06 18.22	135.34 -12.29 0.41	58.86 -3.75 -13.84	64.75 -4.57 -8.52	51.58 -3.19 -4.40	65.11 -5.27 0.00	44.78 -3.82 0.00	54.31 -4.52 0.00	61.29 -4.43 0.62	76.56 -5.38 3.13	95.94 -7.15 12.81	52.45 -3.31 0.00	60.72 -3.10 0.00	75.33 -2.06 0.00	66.56 -2.19 0.00
NEG CENTRAL___SENECA 23627	40.32 -1.18 1.20	42.72 -1.09 0.00	51.19 -1.35 0.00	54.68 -1.61 0.00	50.98 -1.22 0.00	59.20 -1.38 0.00	146.02 -4.79 0.00	154.74 -5.78 0.00	111.36 -4.38 0.92	82.60 -3.91 15.16	141.63 -6.09 0.32	58.85 -1.76 -11.84	66.02 -2.07 -7.29	52.77 -1.36 -3.76	67.94 -2.45 0.00	46.93 -1.67 0.00	56.90 -1.94 0.00	63.79 -2.01 0.54	79.57 -2.86 2.64	101.34 -3.90 10.66	54.16 -1.60 0.00	62.19 -1.64 0.00	75.27 -2.12 0.00	66.59 -2.17 0.00
NEG CENTRAL___STATE_STREET 24147	45.96 -0.76 -4.01	43.11 -0.70 0.00	51.71 -0.83 0.00	55.27 -1.03 0.00	51.55 -0.65 0.00	59.93 -0.66 0.00	148.74 -2.07 0.00	158.14 -2.38 0.00	115.08 -1.82 -0.25	104.02 -1.73 -4.08	146.50 -2.59 -1.05	58.54 -0.77 -10.54	66.32 -0.96 -6.49	53.16 -0.56 -3.35	69.29 -1.09 0.00	47.82 -0.77 0.00	57.77 -1.07 0.00	65.15 -0.88 0.31	84.01 -1.24 -0.18	117.10 -1.67 -2.87	55.01 -0.74 0.00	63.01 -0.81 0.00	76.34 -1.05 0.00	67.56 -1.19 0.00
NEG MILLWOOD___DRP 24198	81.39 2.66 -36.02	66.27 2.64 -19.82	71.03 3.11 -15.37	74.81 3.16 -15.35	71.46 3.03 -16.22	72.69 3.89 -8.21	161.29 9.48 -1.00	171.16 10.64 0.00	124.94 7.61 -0.68	119.92 7.19 -11.06	164.23 11.07 -5.11	125.87 3.90 -73.20	110.69 4.84 -45.06	78.86 3.94 -24.54	78.00 5.12 -2.50	56.80 3.62 -4.59	73.25 3.82 -10.59	83.18 4.55 -12.30	102.20 5.68 -11.45	127.79 7.75 -4.13	72.01 3.87 -12.38	71.41 4.26 -3.32	82.06 4.67 0.00	76.30 4.05 -3.50
NEG NORTH_FLCN_SEA 23793	42.80 0.09 0.00	43.66 -0.15 0.00	52.34 -0.21 0.00	56.60 0.30 0.00	52.84 0.64 0.00	60.88 0.30 0.00	151.62 0.81 0.00	161.71 1.19 0.00	118.53 1.87 0.00	102.87 1.20 0.00	149.00 0.96 0.00	48.68 -0.09 0.00	60.38 -0.42 0.00	49.47 -0.91 0.00	69.34 -1.04 0.00	25.11 -1.24 22.24	-25.83 -1.20 83.46	-19.98 -1.33 84.99	-27.20 -1.44 110.84	11.39 -2.09 102.42	42.26 -1.04 12.46	21.60 -1.21 41.01	-10.94 -1.02 87.30	35.85 -0.55 32.36
NEG NORTH_KES_CHATEGAY 23792	42.29 -0.42 0.00	43.15 -0.66 0.00	51.75 -0.79 0.00	56.11 -0.18 0.00	52.37 0.17 0.00	60.55 -0.05 0.00	151.27 0.46 0.00	161.52 1.00 0.00	118.14 1.49 0.00	102.27 0.60 0.00	148.00 -0.04 0.00	48.35 -0.42 0.00	59.83 -0.96 0.00	49.01 -1.36 0.00	68.82 -1.56 0.00	49.21 -1.55 -2.16	65.45 -1.50 -8.12	72.99 -1.61 -8.27	94.08 -1.78 -10.78	123.37 -2.49 -9.96	55.75 -1.22 -1.21	66.42 -1.39 -3.99	84.60 -1.28 -8.49	70.81 -1.09 -3.15
NEG NORTH___ALICE_FALLS 23915	42.98 0.27 0.00	43.82 0.02 0.00	52.51 -0.03 0.00	56.80 0.50 0.00	53.05 0.85 0.00	61.27 0.68 0.00	152.72 1.91 0.00	162.77 2.25 0.00	119.35 2.69 0.00	103.54 1.87 0.00	149.95 1.91 0.00	49.02 0.25 0.00	60.76 -0.03 0.00	49.78 -0.60 0.00	69.81 -0.58 0.00	63.16 -0.91 -15.47	116.11 -0.77 -58.04	124.65 -0.80 -59.10	161.40 -0.76 -77.08	185.97 -1.15 -71.23	63.83 -0.60 -8.66	91.60 -0.74 -28.52	137.67 -0.42 -60.71	91.08 -0.18 -22.50
NEG NORTH___LWR_SARANAC 23913	42.98 0.27 0.00	43.82 0.02 0.00	52.51 -0.03 0.00	56.80 0.50 0.00	53.05 0.85 0.00	61.27 0.68 0.00	152.72 1.91 0.00	162.77 2.25 0.00	119.35 2.69 0.00	103.54 1.87 0.00	149.95 1.91 0.00	49.02 0.25 0.00	60.76 -0.03 0.00	49.78 -0.60 0.00	69.81 -0.58 0.00	63.16 -0.91 -15.47	116.11 -0.77 -58.04	124.65 -0.80 -59.10	161.40 -0.76 -77.08	185.97 -1.15 -71.23	63.83 -0.60 -8.66	91.60 -0.74 -28.52	137.67 -0.42 -60.71	91.08 -0.18 -22.50
NEG NORTH___PLATTSBURG 23628	42.98 0.27 0.00	43.82 0.01 0.00	52.51 -0.03 0.00	56.80 0.50 0.00	53.05 0.85 0.00	61.27 0.68 0.00	152.72 1.91 0.00	162.77 2.25 0.00	119.35 2.69 0.00	103.57 1.90 0.00	149.95 1.91 0.00	49.02 0.25 0.00	60.76 -0.03 0.00	49.78 -0.60 0.00	69.81 -0.58 0.00	63.16 -0.91 -15.47	116.11 -0.77 -58.04	124.64 -0.80 -59.10	161.40 -0.75 -77.08	185.98 -1.15 -71.23	63.83 -0.60 -8.66	91.60 -0.74 -28.52	137.66 -0.43 -60.71	91.08 -0.18 -22.50
NEG WEST_LEA_LOCKPORT 23791	38.47 -4.60 -0.36	39.52 -4.29 0.00	47.39 -5.16 0.00	50.75 -5.54 0.00	47.29 -4.91 0.00	55.10 -5.49 0.00	134.99 -15.82 0.00	141.87 -18.65 0.00	102.09 -13.84 0.73	77.31 -13.00 11.36	127.56 -20.42 0.06	54.36 -6.59 -12.18	60.70 -7.59 -7.50	48.75 -5.50 -3.88	62.15 -8.23 0.00	42.79 -5.81 0.00	51.63 -7.20 0.00	57.09 -8.54 0.70	72.06 -10.86 2.15	94.47 -14.33 7.10	48.99 -6.77 0.00	56.62 -7.20 0.00	69.70 -7.68 0.00	61.79 -6.96 0.00
NEG WEST___LANCASTER 23811	40.73 -2.12 -0.14	41.94 -1.87 0.00	50.36 -2.19 0.00	53.90 -2.40 0.00	50.27 -1.93 0.00	58.38 -2.21 0.00	143.59 -7.22 0.00	151.64 -8.88 0.00	109.00 -6.91 0.75	82.55 -6.70 12.42	137.43 -10.64 -0.03	59.12 -3.54 -13.89	65.17 -4.17 -8.55	51.93 -2.86 -4.42	65.99 -4.40 0.00	45.37 -3.22 0.00	54.83 -4.00 0.00	60.80 -4.89 0.65	76.27 -6.41 2.40	99.25 -7.89 8.75	51.98 -3.78 0.00	60.17 -3.65 0.00	73.67 -3.71 0.00	65.25 -3.51 0.00
NEG_PENN_ALLEGHNY 23528	54.45 -0.44 -12.18	52.36 -0.39 -8.94	59.09 -0.39 -6.93	62.65 -0.57 -6.93	59.16 -0.39 -7.35	63.83 -0.48 -3.72	149.66 -1.60 -0.45	158.78 -1.73 0.00	115.13 -1.47 0.06	99.33 -1.33 1.01	147.73 -1.54 -1.23	72.43 -0.40 -24.05	75.18 -0.42 -14.81	58.32 -0.27 -8.22	70.80 -0.72 -1.13	50.08 -0.59 -2.08	62.93 -0.69 -4.79	70.83 -0.78 -5.27	88.02 -1.11 -4.05	112.25 -1.35 2.31	60.71 -0.65 -5.60	64.73 -0.60 -1.50	76.57 -0.81 0.00	69.41 -0.93 -1.58
NEG___GEN_MONROE 24207	41.00 -2.48 -0.77	41.56 -2.25 0.00	49.84 -2.70 0.00	53.37 -2.92 0.00	49.70 -2.50 0.00	57.89 -2.70 0.00	143.16 -7.65 0.00	151.49 -9.03 0.00	109.31 -6.93 0.42	87.85 -6.85 6.96	137.35 -10.89 -0.20	55.75 -3.43 -10.40	63.14 -4.06 -6.40	50.77 -2.91 -3.31	65.91 -4.48 0.00	45.40 -3.19 0.00	54.99 -3.85 0.00	61.17 -4.42 0.75	77.62 -5.65 1.80	103.44 -7.52 4.94	52.16 -3.59 0.00	60.01 -3.81 0.00	73.28 -4.10 0.00	64.88 -3.87 0.00



NEPA__ENERGY 23901	39.31 -3.51 -0.11	40.63 -3.18 0.00	48.77 -3.77 0.00	52.32 -3.98 0.00	48.61 -3.59 0.00	56.52 -4.07 0.00	138.95 -11.86 0.00	146.58 -13.94 0.00	105.24 -10.70 0.72	79.34 -10.42 11.90	132.05 -16.01 -0.02	56.98 -5.02 -13.23	62.92 -6.01 -8.14	50.96 -4.03 -4.61	64.91 -6.07 -0.60	45.22 -4.47 -1.10	56.09 -5.28 -2.53	62.42 -6.22 -2.30	77.31 -8.08 -0.31	97.72 -10.26 7.92	53.94 -4.78 -2.96	59.84 -4.78 -0.80	71.91 -5.47 0.00	64.22 -5.37 -0.84
NEVERSINK__HYD 23608	79.29 1.95 -34.63	66.25 1.91 -20.53	70.73 2.27 -15.92	74.51 2.31 -15.90	71.26 2.22 -16.84	71.98 2.87 -8.52	158.87 7.03 -1.03	168.48 7.96 0.00	122.72 5.37 -0.69	118.15 5.15 -11.33	160.35 7.78 -4.53	116.23 2.56 -64.89	104.06 3.31 -39.95	74.94 2.64 -21.93	76.74 3.76 -2.59	56.05 2.69 -4.76	72.60 2.78 -10.99	82.50 3.41 -12.76	101.22 4.28 -11.87	126.00 5.81 -4.28	71.50 2.90 -12.84	70.40 3.13 -3.45	80.77 3.38 0.00	75.25 2.87 -3.63
NEWKRMKL_115KV_TB1 55635	170.83 1.77 -126.35	168.85 1.86 -123.19	150.41 2.33 -95.54	154.19 2.41 -95.48	155.80 2.13 -101.47	114.41 2.46 -51.36	162.53 5.48 -6.23	165.79 5.27 0.00	124.94 4.08 -4.20	174.20 3.91 -68.62	159.80 5.60 -6.16	139.05 2.04 -88.23	117.67 2.57 -54.32	88.66 2.24 -36.05	88.87 2.89 -15.60	79.28 1.99 -28.70	127.23 2.14 -66.25	145.51 2.23 -76.94	159.44 2.74 -71.62	145.56 3.81 -25.85	135.33 2.11 -77.47	86.97 2.35 -20.79	80.03 2.65 0.00	93.40 2.76 -21.89
NEWTON__FALLS_HYD 23847	43.52 0.21 -0.61	44.05 0.24 0.00	52.99 0.45 0.00	56.72 0.43 0.00	52.58 0.38 0.00	60.68 0.09 0.00	152.72 1.91 0.00	161.24 0.73 0.00	116.77 0.11 0.00	101.10 -0.57 0.00	147.76 -0.44 -0.16	50.88 -0.15 -2.26	61.80 -0.38 -1.39	50.60 -0.49 -0.72	71.40 1.02 0.00	49.10 0.51 0.00	59.58 0.74 0.00	66.79 0.45 0.00	84.79 -0.29 0.00	115.40 -0.50 0.00	55.49 -0.27 0.00	63.36 -0.46 0.00	77.40 0.02 0.00	68.61 -0.14 0.00
NGRID_A1_DSASP 323792	38.34 -4.72 -0.35	39.53 -4.28 0.00	47.40 -5.14 0.00	50.78 -5.51 0.00	47.29 -4.91 0.00	54.99 -5.60 0.00	134.40 -16.41 0.00	140.80 -19.72 0.00	101.39 -14.65 0.62	77.55 -13.86 10.26	126.52 -21.61 -0.09	54.10 -7.02 -12.35	59.79 -8.60 -7.60	47.81 -6.49 -3.93	60.92 -9.46 0.00	41.94 -6.66 0.00	50.61 -8.23 0.00	55.87 -9.76 0.70	70.29 -12.60 2.18	91.78 -16.86 7.26	47.84 -7.92 0.00	55.34 -8.48 0.00	68.23 -9.15 0.00	60.60 -8.16 0.00
NGRID_A2_DSASP 323793	38.34 -4.72 -0.35	39.53 -4.28 0.00	47.40 -5.14 0.00	50.78 -5.51 0.00	47.29 -4.91 0.00	54.99 -5.60 0.00	134.40 -16.41 0.00	140.80 -19.72 0.00	101.39 -14.65 0.62	77.55 -13.86 10.26	126.52 -21.61 -0.09	54.10 -7.02 -12.35	59.79 -8.60 -7.60	47.81 -6.49 -3.93	60.92 -9.46 0.00	41.94 -6.66 0.00	50.61 -8.23 0.00	55.87 -9.76 0.70	70.29 -12.60 2.18	91.78 -16.86 7.26	47.84 -7.92 0.00	55.34 -8.48 0.00	68.23 -9.15 0.00	60.60 -8.16 0.00
NGRID_A4_DSASP 323807	38.34 -4.72 -0.35	39.53 -4.28 0.00	47.40 -5.14 0.00	50.78 -5.51 0.00	47.29 -4.91 0.00	54.99 -5.60 0.00	134.40 -16.41 0.00	140.80 -19.72 0.00	101.39 -14.65 0.62	77.55 -13.86 10.26	126.52 -21.61 -0.09	54.10 -7.02 -12.35	59.79 -8.60 -7.60	47.81 -6.49 -3.93	60.92 -9.46 0.00	41.94 -6.66 0.00	50.61 -8.23 0.00	55.87 -9.76 0.70	70.29 -12.60 2.18	91.78 -16.86 7.26	47.84 -7.92 0.00	55.34 -8.48 0.00	68.23 -9.15 0.00	60.60 -8.16 0.00
NIAGARA_115E_LBMP 323715	38.16 -4.89 -0.34	39.25 -4.56 0.00	47.05 -5.49 0.00	50.40 -5.90 0.00	46.95 -5.25 0.00	54.69 -5.89 0.00	133.62 -17.19 0.00	140.30 -20.22 0.00	101.04 -15.00 0.61	77.48 -14.00 10.18	126.27 -21.87 -0.10	54.00 -7.13 -12.36	59.78 -8.62 -7.61	47.87 -6.44 -3.94	60.96 -9.43 0.00	41.98 -6.61 0.00	50.60 -8.23 0.00	55.87 -9.77 0.70	70.52 -12.38 2.18	92.20 -16.47 7.24	47.95 -7.81 0.00	55.46 -8.36 0.00	68.41 -8.97 0.00	60.68 -8.07 0.00
NIAGARA_115W_LBMP 323714	38.30 -4.77 -0.36	39.48 -4.32 0.00	47.35 -5.19 0.00	50.72 -5.57 0.00	47.24 -4.96 0.00	54.93 -5.66 0.00	134.18 -16.63 0.00	140.51 -20.01 0.00	101.25 -14.79 0.62	77.43 -14.00 10.23	126.33 -21.80 -0.09	54.01 -7.10 -12.33	59.69 -8.69 -7.59	47.73 -6.57 -3.93	60.82 -9.56 0.00	41.85 -6.74 0.00	50.50 -8.33 0.00	55.77 -9.87 0.70	70.15 -12.75 2.18	91.61 -17.05 7.24	47.75 -8.01 0.00	55.25 -8.57 0.00	68.10 -9.28 0.00	60.49 -8.27 0.00
NIAGARA_230_LBMP 323716	38.60 -4.50 -0.39	39.66 -4.15 0.00	47.58 -4.96 0.00	50.96 -5.33 0.00	47.49 -4.72 0.00	55.22 -5.37 0.00	135.38 -15.43 0.00	142.25 -18.27 0.00	102.43 -13.62 0.61	78.54 -13.06 10.06	127.91 -20.23 -0.09	54.47 -6.50 -12.21	60.35 -7.96 -7.52	48.23 -6.03 -3.89	61.57 -8.82 0.00	42.36 -6.24 0.00	51.14 -7.69 0.00	56.52 -9.11 0.71	71.16 -11.76 2.16	93.18 -15.66 7.06	48.38 -7.38 0.00	55.96 -7.86 0.00	68.93 -8.45 0.00	61.21 -7.54 0.00
NIAGARA__115KV_198_GIBSON 55903	38.28 -4.79 -0.36	39.44 -4.37 0.00	47.34 -5.20 0.00	50.70 -5.59 0.00	47.23 -4.97 0.00	54.92 -5.67 0.00	134.18 -16.63 0.00	140.54 -19.98 0.00	101.29 -14.75 0.62	77.48 -13.95 10.23	126.33 -21.80 -0.09	54.00 -7.11 -12.33	59.70 -8.69 -7.59	47.72 -6.58 -3.93	60.78 -9.60 0.00	41.84 -6.75 0.00	50.46 -8.37 0.00	55.71 -9.92 0.70	70.16 -12.74 2.18	91.72 -16.94 7.24	47.74 -8.02 0.00	55.24 -8.58 0.00	68.10 -9.29 0.00	60.49 -8.26 0.00
NIAGARA____ 23760	38.58 -4.50 -0.37	39.66 -4.15 0.00	47.58 -4.96 0.00	50.96 -5.33 0.00	47.49 -4.72 0.00	55.22 -5.37 0.00	135.38 -15.43 0.00	142.25 -18.27 0.00	102.43 -13.62 0.61	78.51 -13.06 10.09	127.91 -20.23 -0.09	54.57 -6.50 -12.30	60.41 -7.96 -7.57	48.27 -6.03 -3.92	61.57 -8.82 0.00	42.36 -6.24 0.00	51.14 -7.69 0.00	56.53 -9.11 0.71	71.16 -11.76 2.16	93.13 -15.66 7.11	48.38 -7.38 0.00	55.96 -7.86 0.00	68.93 -8.45 0.00	61.21 -7.54 0.00
NINE_MILE_1 23575	42.30 -1.97 -1.56	41.86 -1.95 0.00	50.20 -2.34 0.00	53.71 -2.58 0.00	49.88 -2.32 0.00	57.92 -2.66 0.00	143.97 -6.84 0.00	153.08 -7.43 0.00	111.20 -5.45 0.00	96.84 -4.83 0.00	141.40 -7.05 -0.41	52.35 -2.23 -5.81	61.59 -2.79 -3.58	50.03 -2.19 -1.85	67.20 -3.19 0.00	46.40 -2.20 0.00	56.13 -2.70 0.00	59.48 -3.07 3.79	76.67 -4.02 4.38	110.43 -5.47 0.00	53.13 -2.62 0.00	60.85 -2.98 0.00	73.77 -3.61 0.00	65.46 -3.29 0.00
NINE_MILE_2 23744	42.30 -1.97 -1.56	41.87 -1.93 0.00	50.20 -2.34 0.00	53.72 -2.57 0.00	49.88 -2.32 0.00	57.92 -2.66 0.00	144.00 -6.82 0.00	153.11 -7.41 0.00	111.24 -5.42 0.00	96.85 -4.82 0.00	141.43 -7.02 -0.41	52.33 -2.23 -5.80	61.59 -2.77 -3.57	50.03 -2.19 -1.84	67.22 -3.17 0.00	46.40 -2.19 0.00	56.15 -2.69 0.00	59.45 -3.05 3.84	76.62 -4.01 4.44	110.44 -5.46 0.00	53.14 -2.62 0.00	60.86 -2.97 0.00	73.78 -3.60 0.00	65.47 -3.28 0.00
NM_CAPITAL__DRP 24208	169.12 1.84 -124.57	166.88 1.94 -121.13	148.88 2.39 -93.94	152.68 2.49 -93.89	154.18 2.19 -99.79	113.62 2.53 -50.51	162.59 5.65 -6.13	165.98 5.46 0.00	124.92 4.14 -4.13	173.19 4.04 -67.48	159.99 5.80 -6.15	138.90 2.13 -88.00	117.65 2.69 -54.17	88.54 2.33 -35.84	88.74 3.01 -15.34	78.91 2.09 -28.23	126.25 2.26 -65.16	144.40 2.40 -75.66	158.45 2.94 -70.43	145.33 4.01 -25.42	134.14 2.20 -76.18	86.71 2.44 -20.45	80.16 2.78 0.00	93.11 2.82 -21.53



NM_CENTRAL___DRP 24181	43.50 -1.30 -2.09	42.56 -1.24 0.00	51.04 -1.50 0.00	54.58 -1.71 0.00	50.70 -1.50 0.00	58.91 -1.68 0.00	146.49 -4.32 0.00	155.75 -4.77 0.00	113.14 -3.52 0.00	98.55 -3.12 0.00	144.10 -4.49 -0.54	55.17 -1.38 -7.78	63.86 -1.72 -4.79	51.56 -1.29 -2.47	68.45 -1.93 0.00	47.26 -1.34 0.00	57.18 -1.65 0.00	64.01 -1.89 0.45	82.01 -2.55 0.52	112.46 -3.44 0.00	54.10 -1.66 0.00	61.92 -1.90 0.00	75.05 -2.34 0.00	66.50 -2.25 0.00
NM_FRONTIER___DRP 24179	38.28 -4.79 -0.36	39.44 -4.37 0.00	47.34 -5.20 0.00	50.70 -5.59 0.00	47.23 -4.97 0.00	54.92 -5.67 0.00	134.18 -16.63 0.00	140.54 -19.98 0.00	101.29 -14.75 0.62	77.48 -13.95 10.23	126.33 -21.80 -0.09	54.00 -7.11 -12.33	59.70 -8.69 -7.59	47.72 -6.58 -3.93	60.78 -9.60 0.00	41.84 -6.75 0.00	50.46 -8.37 0.00	55.71 -9.92 0.70	70.16 -12.74 2.18	91.72 -16.94 7.24	47.74 -8.02 0.00	55.24 -8.58 0.00	68.10 -9.29 0.00	60.49 -8.26 0.00
NM_ST_REGIS___HYD 24053	43.14 0.44 0.00	44.07 0.26 0.00	52.65 0.11 0.00	56.74 0.45 0.00	52.69 0.49 0.00	60.98 0.40 0.00	153.31 2.50 0.00	162.40 1.88 0.00	117.88 1.22 0.00	101.91 0.25 0.00	148.84 0.80 0.00	48.79 0.02 0.00	60.54 -0.26 0.00	49.80 -0.57 0.00	70.26 -0.12 0.00	48.61 -0.53 -0.55	60.51 -0.39 -2.07	67.95 -0.50 -2.10	87.28 -0.53 -2.75	117.64 -0.80 -2.54	55.64 -0.43 -0.31	64.60 -0.24 -1.02	80.21 0.66 -2.16	70.03 0.47 -0.80
NORTHPORT___1 23551	81.13 3.12 -35.30	66.01 2.99 -19.21	70.86 3.42 -14.90	74.62 3.44 -14.88	71.31 3.39 -15.72	73.09 4.54 -7.96	162.37 10.60 -0.97	171.79 11.27 0.00	125.47 8.16 -0.65	120.16 7.87 -10.63	165.37 12.10 -5.23	124.73 4.12 -71.85	109.99 4.98 -44.23	81.23 4.41 -26.45	80.05 6.06 -3.60	59.76 4.39 -6.77	73.46 4.37 -10.26	83.26 5.00 -11.92	102.60 6.43 -11.09	128.49 8.58 -4.01	71.93 4.17 -12.00	71.67 4.63 -3.22	89.79 5.62 -6.79	88.56 4.95 -14.86
NORTHPORT___2 23552	81.13 3.12 -35.30	66.01 2.99 -19.21	70.86 3.42 -14.90	74.62 3.44 -14.88	71.31 3.39 -15.72	73.09 4.54 -7.96	162.37 10.60 -0.97	171.79 11.27 0.00	125.47 8.16 -0.65	120.16 7.87 -10.63	165.37 12.10 -5.23	124.73 4.12 -71.85	109.99 4.98 -44.23	81.23 4.41 -26.45	80.05 6.06 -3.60	59.76 4.39 -6.77	73.46 4.37 -10.26	83.26 5.00 -11.92	102.60 6.43 -11.09	128.49 8.58 -4.01	71.93 4.17 -12.00	71.67 4.63 -3.22	89.79 5.62 -6.79	88.56 4.95 -14.86
NORTHPORT___3 23553	80.63 2.62 -35.30	65.58 2.56 -19.21	70.37 2.93 -14.90	74.11 2.93 -14.88	70.78 2.86 -15.72	72.45 3.91 -7.96	161.04 9.26 -0.97	170.41 9.89 0.00	124.46 7.16 -0.65	119.37 7.08 -10.63	164.12 10.85 -5.23	124.42 3.81 -71.85	109.64 4.61 -44.23	80.81 3.99 -26.45	79.39 5.41 -3.60	59.27 3.90 -6.77	72.79 3.69 -10.26	82.45 4.19 -11.92	101.55 5.39 -11.09	127.15 7.24 -4.01	71.34 3.58 -12.00	71.03 3.99 -3.22	88.95 4.77 -6.79	87.92 4.30 -14.86
NORTHPORT___4 23650	80.63 2.62 -35.30	65.58 2.56 -19.21	70.37 2.93 -14.90	74.11 2.93 -14.88	70.78 2.86 -15.72	72.45 3.91 -7.96	161.04 9.26 -0.97	170.41 9.89 0.00	124.46 7.16 -0.65	119.37 7.08 -10.63	164.12 10.85 -5.23	124.42 3.81 -71.85	109.64 4.61 -44.23	80.81 3.99 -26.45	79.39 5.41 -3.60	59.27 3.90 -6.77	72.79 3.69 -10.26	82.45 4.19 -11.92	101.55 5.39 -11.09	127.15 7.24 -4.01	71.34 3.58 -12.00	71.03 3.99 -3.22	88.95 4.77 -6.79	87.92 4.30 -14.86
NORTHPORT___IC 23718	81.13 3.12 -35.30	66.00 2.99 -19.21	70.86 3.42 -14.90	74.63 3.45 -14.88	71.32 3.39 -15.72	73.09 4.55 -7.96	162.38 10.60 -0.97	171.79 11.27 0.00	125.46 8.16 -0.65	120.17 7.87 -10.63	165.37 12.09 -5.23	124.73 4.12 -71.85	110.00 4.98 -44.23	81.23 4.41 -26.44	80.05 6.07 -3.60	59.76 4.39 -6.77	73.47 4.37 -10.26	83.27 5.01 -11.92	102.61 6.44 -11.09	128.49 8.58 -4.01	71.93 4.17 -12.00	71.67 4.63 -3.22	89.79 5.62 -6.79	88.57 4.95 -14.86
NORTH___COUNTRY_ESR 323785	42.11 -0.60 0.00	42.98 -0.83 0.00	51.55 -0.99 0.00	55.91 -0.39 0.00	52.19 -0.01 0.00	60.36 -0.23 0.00	150.84 0.03 0.00	161.11 0.60 0.00	117.80 1.15 0.00	101.99 0.32 0.00	147.49 -0.55 0.00	48.17 -0.60 0.00	59.62 -1.17 0.00	48.86 -1.51 0.00	68.63 -1.76 0.00	48.71 -1.69 -1.81	63.91 -1.71 -6.79	71.34 -1.91 -6.92	91.96 -2.13 -9.02	121.27 -2.97 -8.33	55.31 -1.46 -1.01	65.51 -1.64 -3.34	82.92 -1.57 -7.10	70.05 -1.34 -2.63
NPX_GEN_1385_PROXY 323591	82.07 4.06 -35.30	148.24 3.97 -100.46	172.03 4.62 -114.87	140.93 4.73 -79.90	160.19 4.58 -103.40	151.87 5.93 -85.36	165.54 13.76 -0.97	172.07 11.54 -0.02	127.38 10.08 -0.65	120.48 8.18 -10.63	164.67 11.39 -5.23	124.60 3.98 -71.85	109.81 4.79 -44.23	81.91 5.10 -26.45	120.71 7.63 -42.70	129.73 5.46 -75.67	132.99 5.67 -68.49	151.65 6.47 -78.85	180.14 8.29 -86.76	136.62 11.14 -9.58	161.10 5.39 -99.95	72.96 5.92 -3.22	109.46 7.37 -24.71	139.24 6.50 -63.98
NPX_GEN_CSC 323557	81.28 3.27 -35.30	66.08 3.07 -19.21	70.91 3.47 -14.90	74.67 3.50 -14.88	71.38 3.46 -15.72	73.26 4.71 -7.96	162.47 10.69 -0.97	172.91 12.37 -0.02	124.83 7.52 -0.65	120.34 8.04 -10.63	166.75 13.47 -5.23	124.51 3.89 -71.85	109.56 4.54 -44.23	80.70 3.88 -26.45	79.25 5.27 -3.60	59.26 3.89 -6.77	78.38 4.02 -15.53	83.13 4.87 -11.92	102.54 6.37 -11.09	128.36 8.45 -4.01	71.82 4.06 -12.00	71.52 4.48 -3.22	90.31 6.14 -6.79	88.87 5.25 -14.86
NSINS_S___GLNS_FALLS 23858	243.00 4.12 -196.17	254.19 4.20 -206.18	217.49 5.05 -159.90	221.38 5.27 -159.81	226.97 4.97 -169.80	152.38 5.85 -85.94	175.37 14.14 -10.43	175.36 14.84 0.00	134.60 10.91 -7.02	226.61 10.11 -114.82	169.38 15.00 -6.34	144.62 5.14 -90.70	123.08 6.45 -55.84	97.81 5.20 -42.24	103.52 7.03 -26.11	101.48 4.86 -48.03	175.37 5.67 -110.87	201.65 6.56 -128.75	213.23 8.31 -119.85	170.18 11.03 -43.25	190.64 5.25 -129.63	104.61 5.99 -34.80	84.37 6.99 0.00	111.48 6.09 -36.64
NUCOR_STEEL___DRP 24197	46.01 -0.80 -4.10	43.07 -0.74 0.00	51.68 -0.86 0.00	55.23 -1.06 0.00	51.53 -0.67 0.00	59.90 -0.69 0.00	148.71 -2.10 0.00	158.19 -2.32 0.00	115.16 -1.79 -0.29	104.65 -1.73 -4.72	146.58 -2.53 -1.07	58.18 -0.76 -10.17	66.09 -0.96 -6.26	53.04 -0.56 -3.23	69.29 -1.09 0.00	47.83 -0.76 0.00	57.74 -1.09 0.00	65.13 -0.91 0.29	84.08 -1.28 -0.28	117.51 -1.71 -3.31	54.98 -0.78 0.00	62.96 -0.86 0.00	76.30 -1.09 0.00	67.54 -1.21 0.00
NUMBER_THREE_WT_PWR 323818	43.67 0.15 -0.81	44.26 0.45 0.00	53.70 1.16 0.00	56.99 0.70 0.00	52.66 0.46 0.00	60.76 0.17 0.00	152.82 2.01 0.00	160.73 0.21 0.00	116.63 -0.02 0.00	101.20 -0.47 0.00	147.68 -0.57 -0.21	51.86 0.05 -3.04	62.62 -0.04 -1.87	51.29 -0.04 -0.96	73.03 2.65 0.00	50.44 1.85 0.00	61.19 2.36 0.00	68.34 2.09 0.09	85.60 0.63 0.10	116.59 0.69 0.00	56.05 0.29 0.00	63.42 -0.40 0.00	76.98 -0.40 0.00	68.32 -0.44 0.00
NYISO_LBMP_REFERENCE 24008	42.71 0.00 0.00	43.81 0.00 0.00	52.54 0.00 0.00	56.29 0.00 0.00	52.20 0.00 0.00	60.59 0.00 0.00	150.81 0.00 0.00	160.52 0.00 0.00	116.66 0.00 0.00	101.67 0.00 0.00	148.04 0.00 0.00	48.77 0.00 0.00	60.79 0.00 0.00	50.37 0.00 0.00	70.38 0.00 0.00	48.59 0.00 0.00	58.84 0.00 0.00	66.34 0.00 0.00	85.07 0.00 0.00	115.90 0.00 0.00	55.76 0.00 0.00	63.82 0.00 0.00	77.38 0.00 0.00	68.75 0.00 0.00



NYPA_BRENTWD____GT 24164	81.46	66.31	71.26	75.04	71.70	73.56	163.57	173.12	126.56	121.34	167.22	125.27	110.67	81.73	80.67	60.21	74.10	84.06	103.65	129.90	72.57	72.33	90.52	89.13
	3.45	3.29	3.82	3.86	3.77	5.02	11.80	12.60	9.25	9.04	13.94	4.66	5.65	4.91	6.68	4.84	5.00	5.80	7.48	10.00	4.81	5.28	6.35	5.52
	-35.30	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.23	-71.85	-44.23	-26.45	-3.60	-6.77	-10.26	-11.92	-11.09	-4.01	-12.00	-3.22	-6.79	-14.86
NYPA_GOWANUS____GT5 24156	80.75	66.85	70.45	74.21	70.87	72.44	161.15	170.93	124.29	119.16	163.65	124.40	109.70	79.11	78.44	65.20	72.71	87.98	120.59	143.21	71.99	72.42	81.71	75.95
	2.67	2.65	3.01	3.03	2.94	3.89	9.38	10.41	6.98	6.85	10.58	3.75	4.65	3.86	5.13	3.72	3.61	4.26	5.18	7.19	3.65	3.97	4.27	3.80
	-35.37	-20.39	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.64	-5.02	-71.88	-44.26	-24.88	-2.92	-12.88	-10.26	-17.38	-30.33	-20.12	-12.58	-4.63	-0.05	-3.39
NYPA_GOWANUS____GT6 24157	80.75	66.85	70.45	74.21	70.87	72.44	161.15	170.93	124.29	119.16	163.65	124.40	109.70	79.11	78.44	65.20	72.71	87.98	120.59	143.21	71.99	72.42	81.71	75.95
	2.67	2.65	3.01	3.03	2.94	3.89	9.38	10.41	6.98	6.85	10.58	3.75	4.65	3.86	5.13	3.72	3.61	4.26	5.18	7.19	3.65	3.97	4.27	3.80
	-35.37	-20.39	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.64	-5.02	-71.88	-44.26	-24.88	-2.92	-12.88	-10.26	-17.38	-30.33	-20.12	-12.58	-4.63	-0.05	-3.39
NYPA_HARLEM__RVR__GT1 24160	80.32	65.27	70.02	73.75	70.45	71.92	160.21	169.80	123.13	118.16	162.78	124.09	109.27	77.87	77.47	56.36	72.29	82.10	100.76	126.21	71.05	70.55	81.13	75.51
	2.30	2.25	2.57	2.57	2.52	3.37	8.43	9.28	5.82	5.86	9.72	3.45	4.24	3.43	4.67	3.32	3.19	3.84	4.59	6.30	3.28	3.51	3.75	3.37
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
NYPA_HARLEM__RVR__GT2 24161	80.32	65.27	70.02	73.75	70.45	71.92	160.21	169.80	123.13	118.16	162.78	124.09	109.27	77.87	77.47	56.36	72.29	82.10	100.76	126.21	71.05	70.55	81.13	75.51
	2.30	2.25	2.57	2.57	2.52	3.37	8.43	9.28	5.82	5.86	9.72	3.45	4.24	3.43	4.67	3.32	3.19	3.84	4.59	6.30	3.28	3.51	3.75	3.37
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
NYPA_KENT____GT 24152	80.60	66.27	70.34	74.09	70.76	72.29	160.74	170.55	124.05	118.93	163.40	124.32	109.59	78.67	78.09	61.70	72.58	82.58	102.02	136.48	71.59	71.68	81.47	75.81
	2.54	2.54	2.90	2.91	2.83	3.74	8.97	10.03	6.74	6.62	10.34	3.68	4.55	3.74	4.99	3.57	3.48	4.12	5.01	6.85	3.48	3.79	4.06	3.66
	-35.35	-19.92	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.64	-5.02	-71.88	-44.25	-24.56	-2.72	-9.54	-10.26	-12.12	-11.94	-13.73	-12.35	-4.07	-0.03	-3.39
NYPA_POUCH1____GT 24155	80.71	66.82	70.39	74.15	70.82	72.41	160.94	170.61	123.99	118.90	163.16	124.20	109.45	78.97	78.20	65.07	72.52	81.97	100.23	142.85	71.87	72.30	81.53	75.77
	2.64	2.62	2.95	2.97	2.90	3.86	9.16	10.09	6.69	6.58	10.09	3.55	4.40	3.72	4.89	3.60	3.42	4.03	4.91	6.83	3.53	3.84	4.09	3.62
	-35.37	-20.39	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.64	-5.02	-71.88	-44.26	-24.88	-2.92	-12.88	-10.26	-11.61	-10.24	-20.12	-12.58	-4.63	-0.05	-3.39
NYPA_VERNON____GT2 24162	80.49	65.69	70.23	73.97	70.65	72.14	160.54	170.34	123.93	118.79	163.33	124.29	109.57	78.28	77.81	58.27	72.51	82.41	101.47	129.88	71.24	70.97	81.30	75.67
	2.45	2.43	2.79	2.79	2.72	3.60	8.76	9.81	6.62	6.49	10.27	3.65	4.53	3.67	4.91	3.48	3.41	4.05	4.89	6.64	3.36	3.64	3.90	3.53
	-35.33	-19.46	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.64	-5.02	-71.87	-44.25	-24.24	-2.52	-6.19	-10.26	-12.02	-11.50	-7.35	-12.12	-3.51	-0.01	-3.39
NYPA_VERNON____GT3 24163	80.49	65.69	70.23	73.97	70.65	72.14	160.54	170.34	123.93	118.79	163.33	124.29	109.57	78.28	77.81	58.27	72.51	82.41	101.47	129.88	71.24	70.97	81.30	75.67
	2.45	2.43	2.79	2.79	2.72	3.60	8.76	9.81	6.62	6.49	10.27	3.65	4.53	3.67	4.91	3.48	3.41	4.05	4.89	6.64	3.36	3.64	3.90	3.53
	-35.33	-19.46	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.64	-5.02	-71.87	-44.25	-24.24	-2.52	-6.19	-10.26	-12.02	-11.50	-7.35	-12.12	-3.51	-0.01	-3.39
NYPA__ASTORIA_CC1 323568	80.42	65.39	70.15	73.91	70.59	72.06	160.36	170.17	123.77	118.64	163.13	124.20	109.46	78.01	77.59	56.43	72.40	82.18	100.91	126.34	71.01	70.57	81.14	75.55
	2.40	2.36	2.71	2.73	2.66	3.51	8.58	9.65	6.46	6.34	10.06	3.56	4.42	3.57	4.79	3.39	3.29	3.92	4.74	6.43	3.25	3.53	3.76	3.40
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
NYPA__ASTORIA_CC2 323569	80.42	65.39	70.15	73.91	70.59	72.06	160.36	170.17	123.77	118.64	163.13	124.20	109.46	78.01	77.59	56.43	72.40	82.18	100.91	126.34	71.01	70.57	81.14	75.55
	2.40	2.36	2.71	2.73	2.66	3.51	8.58	9.65	6.46	6.34	10.06	3.56	4.42	3.57	4.79	3.39	3.29	3.92	4.74	6.43	3.25	3.53	3.76	3.40
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
NYPA__HOLTSVILL 23794	81.11	65.95	70.77	74.54	71.23	73.04	162.06	172.22	125.23	120.27	166.07	124.70	109.89	81.01	79.68	59.53	73.33	83.29	102.71	128.62	71.95	71.65	89.95	88.60
	3.10	2.93	3.33	3.37	3.30	4.50	10.28	11.70	7.92	7.97	12.80	4.08	4.87	4.18	5.69	4.17	4.24	5.03	6.55	8.71	4.19	4.61	5.77	4.98
	-35.30	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.23	-71.85	-44.23	-26.45	-3.60	-6.77	-10.26	-11.92	-11.09	-4.01	-12.00	-3.22	-6.79	-14.86
NYPA____HELLGATE_GT1 24158	80.32	65.27	70.02	73.75	70.45	71.92	160.21	169.80	123.13	118.16	162.78	124.09	109.27	77.87	77.47	56.36	72.29	82.10	100.76	126.21	71.05	70.55	81.13	75.51
	2.30	2.25	2.57	2.57	2.52	3.37	8.43	9.28	5.82	5.86	9.72	3.45	4.24	3.43	4.67	3.32	3.19	3.84	4.59	6.30	3.28	3.51	3.75	3.37
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
NYPA____HELLGATE_GT2 24159	80.32	65.27	70.02	73.75	70.45	71.92	160.21	169.80	123.13	118.16	162.78	124.09	109.27	77.87	77.47	56.36	72.29	82.10	100.76	126.21	71.05	70.55	81.13	75.51
	2.30	2.25	2.57	2.57	2.52	3.37	8.43	9.28	5.82	5.86	9.72	3.45	4.24	3.43	4.67	3.32	3.19	3.84	4.59	6.30	3.28	3.51	3.75	3.37
	-35.31	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.02	-71.87	-44.24	-24.07	-2.42	-4.45	-10.26	-11.92	-11.10	-4.01	-12.00	-3.22	0.00	-3.39
NYS_BARGE__HYD 23848	38.69	39.72	47.59	50.98	47.50	55.34	135.49	142.40	102.62	79.30	128.29	54.45	60.74	48.74	62.21	42.84	51.70	57.18	72.25	94.73	49.03	56.67	69.76	61.84
	-4.41	-4.09	-4.95	-5.32	-4.70	-5.24	-15.32	-18.11	-13.47	-12.74	-19.88	-6.42	-7.51	-5.48	-8.18	-5.75	-7.13	-8.45	-10.69	-14.20	-6.73	-7.15	-7.62	-6.92
	-0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	9.62	-0.13	-12.10	-7.45	-3.85	0.00	0.00	0.00	0.71	2.13	6.98	0.00	0.00	0.00	0.00



OAK ORCHARD___HYD 24046	40.87 -2.63 -0.79	41.39 -2.42 0.00	49.62 -2.92 0.00	53.14 -3.16 0.00	49.47 -2.74 0.00	57.59 -3.00 0.00	142.48 -8.33 0.00	150.81 -9.71 0.00	108.89 -7.35 0.41	87.67 -7.16 6.84	137.10 -11.14 -0.21	55.61 -3.49 -10.32	62.93 -4.22 -6.36	50.55 -3.10 -3.28	65.71 -4.68 0.00	45.28 -3.31 0.00	54.81 -4.03 0.00	60.92 -4.66 0.75	77.27 -6.02 1.79	102.96 -8.10 4.84	51.91 -3.85 0.00	59.70 -4.12 0.00	72.87 -4.52 0.00	64.56 -4.19 0.00
OAKDALE___35_KV_LOAD 356122	54.15 -0.64 -12.07	52.50 -0.58 -9.27	59.12 -0.61 -7.19	62.68 -0.80 -7.18	59.23 -0.59 -7.62	63.72 -0.73 -3.86	148.97 -2.31 -0.47	157.98 -2.54 0.00	114.51 -2.03 0.12	97.86 -1.78 2.03	146.90 -2.27 -1.13	72.05 -0.63 -23.91	74.80 -0.71 -14.72	58.05 -0.51 -8.19	70.50 -1.05 -1.17	49.96 -0.79 -2.15	62.83 -0.97 -4.97	70.70 -1.11 -5.47	87.60 -1.55 -4.08	110.92 -1.91 3.08	60.63 -0.94 -5.81	64.46 -0.92 -1.56	76.22 -1.17 0.00	69.17 -1.23 -1.64
OCC_CHEM___DRP 24175	38.32 -4.74 -0.35	39.49 -4.32 0.00	47.40 -5.14 0.00	50.76 -5.53 0.00	47.28 -4.92 0.00	54.98 -5.60 0.00	134.42 -16.40 0.00	140.79 -19.73 0.00	101.43 -14.60 0.62	77.60 -13.81 10.26	126.54 -21.59 -0.09	54.10 -7.02 -12.35	59.80 -8.60 -7.60	47.81 -6.50 -3.93	60.91 -9.48 0.00	41.92 -6.67 0.00	50.57 -8.26 0.00	55.82 -9.82 0.70	70.28 -12.61 2.18	91.89 -16.75 7.26	47.82 -7.94 0.00	55.33 -8.48 0.00	68.21 -9.17 0.00	60.60 -8.16 0.00
OH_GEN_PROXY 24063	38.70 -4.43 -0.42	39.71 -4.09 0.00	47.66 -4.89 0.00	51.05 -5.25 0.00	47.56 -4.65 0.00	55.29 -5.30 0.00	135.71 -15.10 0.00	142.76 -17.78 -0.02	102.78 -13.27 0.61	78.91 -12.74 10.02	128.41 -19.73 -0.10	54.69 -6.34 -12.26	60.58 -7.77 -7.55	48.37 -5.90 -3.90	61.76 -8.62 0.00	42.49 -6.10 0.00	56.59 -7.51 -5.26	56.74 -8.89 0.71	71.44 -11.48 2.15	93.60 -15.28 7.03	48.55 -7.21 0.00	56.17 -7.65 0.00	69.10 -8.28 0.00	61.34 -7.41 0.00
OLIN_CORP_DRP 24177	38.20 -4.84 -0.33	39.29 -4.52 0.00	47.16 -5.39 0.00	50.50 -5.79 0.00	47.03 -5.17 0.00	54.79 -5.80 0.00	133.97 -16.84 0.00	140.73 -19.79 0.00	101.39 -14.64 0.62	77.81 -13.53 10.33	126.61 -21.52 -0.09	54.18 -7.02 -12.43	59.98 -8.47 -7.65	47.97 -6.36 -3.96	61.07 -9.31 0.00	42.07 -6.53 0.00	50.69 -8.14 0.00	55.98 -9.66 0.70	70.60 -12.29 2.19	92.27 -16.31 7.33	48.04 -7.71 0.00	55.56 -8.26 0.00	68.52 -8.86 0.00	60.80 -7.95 0.00
OLIN_CORP_DSASP 323712	38.34 -4.72 -0.35	39.53 -4.28 0.00	47.40 -5.14 0.00	50.78 -5.51 0.00	47.29 -4.91 0.00	54.99 -5.60 0.00	134.40 -16.41 0.00	140.80 -19.72 0.00	101.39 -14.65 0.62	77.55 -13.86 10.26	126.52 -21.61 -0.09	54.10 -7.02 -12.35	59.79 -8.60 -7.60	47.81 -6.49 -3.93	60.92 -9.46 0.00	41.94 -6.66 0.00	50.61 -8.23 0.00	55.87 -9.76 0.70	70.29 -12.60 2.18	91.78 -16.86 7.26	47.84 -7.92 0.00	55.34 -8.48 0.00	68.23 -9.15 0.00	60.60 -8.16 0.00
ONEIDA_HERK_LFGE 323681	44.27 0.86 -0.69	44.83 1.02 0.00	54.05 1.51 0.00	57.63 1.33 0.00	53.40 1.20 0.00	61.85 1.26 0.00	154.81 4.00 0.00	164.10 3.58 0.00	119.22 2.57 0.00	103.84 2.18 0.00	151.48 3.26 -0.18	52.52 1.18 -2.57	63.81 1.43 -1.58	52.40 1.21 -0.82	73.14 2.76 0.00	50.52 1.92 0.00	61.18 2.34 0.00	68.65 2.42 0.11	87.15 2.20 0.13	118.81 2.90 0.00	57.11 1.35 0.00	64.98 1.16 0.00	78.74 1.36 0.00	69.83 1.07 0.00
ONEIDA___115KV_TB4 55905	44.93 0.91 -1.31	44.86 1.06 0.00	53.92 1.38 0.00	57.65 1.35 0.00	53.49 1.29 0.00	62.07 1.49 0.00	155.29 4.48 0.00	165.32 4.80 0.00	120.17 3.52 0.00	104.73 3.07 0.00	152.97 4.59 -0.34	55.20 1.57 -4.86	65.71 1.93 -2.99	53.55 1.63 -1.54	72.86 2.47 0.00	50.35 1.75 0.00	61.00 2.16 0.00	68.35 2.24 0.23	87.32 2.51 0.27	119.26 3.35 0.00	57.28 1.52 0.00	65.42 1.60 0.00	79.14 1.75 0.00	70.12 1.37 0.00
ONONDAGA_REF_OCCRA 23987	45.24 -0.91 -3.45	42.94 -0.87 0.00	51.50 -1.04 0.00	55.06 -1.23 0.00	51.13 -1.07 0.00	59.44 -1.14 0.00	147.84 -2.97 0.00	157.26 -3.27 0.00	114.40 -2.46 -0.20	102.81 -2.17 -3.32	145.82 -3.12 -0.90	57.10 -0.94 -9.27	65.32 -1.18 -5.71	52.46 -0.85 -2.95	69.02 -1.36 0.00	47.67 -0.92 0.00	57.69 -1.14 0.00	64.70 -1.24 0.39	83.35 -1.71 0.01	115.94 -2.29 -2.33	54.63 -1.13 0.00	62.55 -1.27 0.00	75.77 -1.61 0.00	67.12 -1.64 0.00
ONONDAGA___COGEN 23986	44.05 -1.01 -2.35	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.08 -1.12 0.00	59.39 -1.20 0.00	147.62 -3.19 0.00	156.96 -3.56 0.00	114.01 -2.64 0.00	99.32 -2.35 0.00	145.24 -3.41 -0.61	56.49 -1.04 -8.76	64.89 -1.30 -5.39	52.22 -0.93 -2.78	68.93 -1.45 0.00	47.59 -1.01 0.00	57.59 -1.25 0.00	64.74 -1.34 0.26	82.95 -1.82 0.30	113.42 -2.49 0.00	54.55 -1.21 0.00	62.46 -1.36 0.00	75.67 -1.72 0.00	67.03 -1.72 0.00
ONTARIO___LFGE 23819	40.32 -1.19 1.20	42.72 -1.09 0.00	51.19 -1.35 0.00	54.68 -1.61 0.00	50.97 -1.23 0.00	59.21 -1.38 0.00	146.02 -4.79 0.00	154.74 -5.78 0.00	111.36 -4.38 0.92	82.52 -3.98 15.16	141.64 -6.09 0.32	58.85 -1.76 -11.84	66.02 -2.07 -7.29	52.77 -1.36 -3.76	67.94 -2.45 0.00	46.93 -1.66 0.00	56.89 -1.94 0.00	63.79 -2.01 0.54	79.57 -2.86 2.64	101.31 -3.93 10.66	54.17 -1.59 0.00	62.19 -1.63 0.00	75.27 -2.12 0.00	66.58 -2.17 0.00
ORANGEVILLE_WT_PWR 323706	42.67 -3.31 -3.28	45.22 -3.49 -4.89	51.69 -4.64 -3.79	55.04 -5.05 -3.79	51.82 -4.41 -4.02	57.76 -4.86 -2.04	137.52 -13.54 -0.25	144.54 -15.98 0.00	104.04 -11.80 0.82	76.92 -11.19 13.55	132.91 -14.92 0.22	58.62 -4.68 -14.52	64.14 -5.59 -8.94	51.15 -4.17 -4.94	63.74 -7.26 -0.62	44.46 -5.28 -1.14	55.10 -6.38 -2.64	61.53 -7.27 -2.46	76.15 -8.91 0.01	94.32 -11.13 10.45	53.60 -5.25 -3.09	59.09 -5.56 -0.83	70.89 -6.50 0.00	63.32 -6.31 -0.87
ORANGEVILLE___ESR 323794	42.67 -3.31 -3.28	45.22 -3.49 -4.89	51.69 -4.64 -3.79	55.04 -5.05 -3.79	51.82 -4.41 -4.02	57.76 -4.86 -2.04	137.52 -13.54 -0.25	144.54 -15.98 0.00	104.04 -11.80 0.82	76.92 -11.19 13.55	132.91 -14.92 0.22	58.62 -4.68 -14.52	64.14 -5.59 -8.94	51.15 -4.17 -4.94	63.74 -7.26 -0.62	44.46 -5.28 -1.14	55.10 -6.38 -2.64	61.53 -7.27 -2.46	76.15 -8.91 0.01	94.32 -11.13 10.45	53.60 -5.25 -3.09	59.09 -5.56 -0.83	70.89 -6.50 0.00	63.32 -6.31 -0.87
OSWEGATCHIE___HYD 24044	43.52 0.21 -0.61	44.05 0.24 0.00	52.99 0.44 0.00	56.72 0.43 0.00	52.58 0.38 0.00	60.68 0.09 0.00	152.72 1.91 0.00	161.25 0.73 0.00	116.77 0.12 0.00	101.12 -0.55 0.00	147.76 -0.44 -0.16	50.88 -0.15 -2.26	61.80 -0.38 -1.39	50.60 -0.49 -0.72	71.40 1.02 0.00	49.10 0.51 0.00	59.58 0.74 0.00	66.78 0.44 0.00	84.79 -0.29 0.00	115.40 -0.50 0.00	55.49 -0.27 0.00	63.36 -0.46 0.00	77.40 0.02 0.00	68.61 -0.14 0.00
OSWEGO___5 23606	42.79 -1.67 -1.75	42.18 -1.63 0.00	50.59 -1.96 0.00	54.15 -2.15 0.00	50.26 -1.94 0.00	58.38 -2.21 0.00	145.09 -5.72 0.00	154.25 -6.26 0.00	112.07 -4.58 0.00	97.59 -4.07 0.00	142.53 -5.96 -0.45	53.39 -1.87 -6.50	62.47 -2.32 -4.00	50.62 -1.82 -2.06	67.74 -2.65 0.00	46.77 -1.83 0.00	56.57 -2.27 0.00	64.95 -2.56 -1.17	83.06 -3.36 -1.35	111.34 -4.56 0.00	53.55 -2.21 0.00	61.32 -2.50 0.00	74.36 -3.02 0.00	65.96 -2.80 0.00



OSWEGO___6 23613	42.79 -1.67 -1.75	42.18 -1.63 0.00	50.59 -1.96 0.00	54.15 -2.15 0.00	50.26 -1.94 0.00	58.38 -2.21 0.00	145.09 -5.72 0.00	154.25 -6.26 0.00	112.07 -4.58 0.00	97.59 -4.07 0.00	142.53 -5.96 -0.45	53.39 -1.87 -6.50	62.47 -2.32 -4.00	50.62 -1.82 -2.06	67.74 -2.65 0.00	46.77 -1.83 0.00	56.57 -2.27 0.00	64.95 -2.56 -1.17	83.06 -3.36 -1.35	111.34 -4.56 0.00	53.55 -2.21 0.00	61.32 -2.50 0.00	74.36 -3.02 0.00	65.96 -2.80 0.00
OUTOKUMPU-AB___DRP 24206	39.10 -3.91 -0.30	40.28 -3.53 0.00	48.29 -4.25 0.00	51.68 -4.61 0.00	48.17 -4.03 0.00	56.08 -4.50 0.00	137.41 -13.40 0.00	144.40 -16.12 0.00	104.10 -11.93 0.63	79.81 -11.33 10.52	130.27 -17.86 -0.08	55.57 -5.74 -12.53	61.63 -6.88 -7.72	49.34 -5.02 -3.99	62.81 -7.58 0.00	43.26 -5.33 0.00	52.18 -6.65 0.00	57.76 -7.89 0.69	72.78 -10.07 2.22	95.10 -13.29 7.50	49.51 -6.25 0.00	57.22 -6.60 0.00	70.35 -7.04 0.00	62.34 -6.41 0.00
OXBOW___BTM 323836	38.65 -4.39 -0.32	39.81 -3.99 0.00	47.73 -4.81 0.00	51.12 -5.18 0.00	47.64 -4.57 0.00	55.41 -5.18 0.00	135.62 -15.19 0.00	142.28 -18.24 0.00	102.54 -13.50 0.63	78.43 -12.84 10.40	128.17 -19.96 -0.08	54.76 -6.45 -12.44	60.61 -7.84 -7.66	48.49 -5.84 -3.96	61.76 -8.62 0.00	42.52 -6.08 0.00	51.30 -7.53 0.00	56.73 -8.91 0.70	71.42 -11.46 2.20	93.25 -15.27 7.38	48.59 -7.17 0.00	56.16 -7.66 0.00	69.13 -8.25 0.00	61.31 -7.45 0.00
OXBOW____ 24026	38.61 -4.42 -0.32	39.78 -4.03 0.00	47.73 -4.81 0.00	51.11 -5.18 0.00	47.61 -4.59 0.00	55.41 -5.18 0.00	135.60 -15.21 0.00	142.29 -18.22 0.00	102.58 -13.45 0.63	78.53 -12.74 10.40	128.17 -19.96 -0.08	54.74 -6.47 -12.44	60.62 -7.83 -7.66	48.49 -5.85 -3.96	61.73 -8.66 0.00	42.50 -6.10 0.00	51.27 -7.56 0.00	56.68 -8.96 0.70	71.43 -11.45 2.20	93.31 -15.21 7.38	48.57 -7.18 0.00	56.15 -7.67 0.00	69.12 -8.26 0.00	61.31 -7.44 0.00
OXY_CHEM_DSASP 323612	38.32 -4.74 -0.35	39.49 -4.32 0.00	47.40 -5.14 0.00	50.76 -5.53 0.00	47.28 -4.92 0.00	54.98 -5.60 0.00	134.42 -16.40 0.00	140.79 -19.73 0.00	101.43 -14.60 0.62	77.60 -13.81 10.26	126.54 -21.59 -0.09	54.10 -7.02 -12.35	59.80 -8.60 -7.60	47.81 -6.50 -3.93	60.91 -9.48 0.00	41.92 -6.67 0.00	50.57 -8.26 0.00	55.82 -9.82 0.70	70.28 -12.61 2.18	91.89 -16.75 7.26	47.82 -7.94 0.00	55.33 -8.48 0.00	68.21 -9.17 0.00	60.60 -8.16 0.00
OZONE_PARK_ESR 323760	80.73 2.71 -35.31	65.70 2.68 -19.21	70.51 3.07 -14.90	74.30 3.12 -14.88	70.95 3.03 -15.72	72.52 3.97 -7.96	161.46 9.68 -0.97	171.49 10.97 0.00	124.79 7.48 -0.65	119.42 7.12 -10.63	164.24 3.95 -5.02	124.58 4.87 -71.87	109.90 3.97 -44.24	78.41 5.33 -24.07	78.13 5.33 -2.42	56.84 3.80 -4.45	72.93 3.83 -10.26	82.78 4.52 -11.92	101.72 5.54 -11.10	127.46 7.55 -4.01	71.55 3.79 -12.00	71.24 4.20 -3.22	81.91 4.52 0.00	76.11 3.97 -3.39
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	38.32 -4.74 -0.35	39.49 -4.32 0.00	47.40 -5.14 0.00	50.76 -5.53 0.00	47.28 -4.92 0.00	54.98 -5.60 0.00	134.42 -16.40 0.00	140.79 -19.73 0.00	101.43 -14.60 0.62	77.60 -13.81 10.26	126.54 -21.59 -0.09	54.10 -7.02 -12.35	59.80 -8.60 -7.60	47.81 -6.50 -3.93	60.91 -9.48 0.00	41.92 -6.67 0.00	50.57 -8.26 0.00	55.82 -9.82 0.70	70.28 -12.61 2.18	91.89 -16.75 7.26	47.82 -7.94 0.00	55.33 -8.48 0.00	68.21 -9.17 0.00	60.60 -8.16 0.00
PACKARD__115KV_DUPONT_184 80571	38.32 -4.74 -0.35	39.49 -4.32 0.00	47.40 -5.14 0.00	50.76 -5.53 0.00	47.28 -4.92 0.00	54.98 -5.60 0.00	134.42 -16.40 0.00	140.79 -19.73 0.00	101.43 -14.60 0.62	77.60 -13.81 10.26	126.54 -21.59 -0.09	54.10 -7.02 -12.35	59.80 -8.60 -7.60	47.81 -6.50 -3.93	60.91 -9.48 0.00	41.92 -6.67 0.00	50.57 -8.26 0.00	55.82 -9.82 0.70	70.28 -12.61 2.18	91.89 -16.75 7.26	47.82 -7.94 0.00	55.33 -8.48 0.00	68.21 -9.17 0.00	60.60 -8.16 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	80.36 2.34 -35.31	65.31 2.29 -19.21	70.06 2.62 -14.90	73.79 2.61 -14.88	70.48 2.55 -15.72	71.94 3.39 -7.96	160.17 8.39 -0.97	169.72 9.20 0.00	123.34 6.03 -0.65	118.33 6.03 -10.63	162.72 9.66 -5.02	124.05 3.41 -71.87	109.26 4.22 -44.24	77.84 3.40 -24.07	77.45 4.65 -2.42	56.35 3.31 -4.45	72.32 3.22 -10.26	82.10 3.84 -11.92	100.80 4.63 -11.10	126.24 6.34 -4.01	71.01 3.25 -12.00	70.54 3.50 -3.22	81.12 3.74 0.00	75.53 3.38 -3.39
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	80.69 2.67 -35.31	65.66 2.64 -19.21	70.54 3.10 -14.90	74.36 3.18 -14.88	71.03 3.11 -15.72	72.60 4.05 -7.96	162.07 10.29 -0.97	170.89 10.37 0.00	124.03 6.72 -0.65	118.87 6.57 -10.63	163.52 10.45 -5.02	124.29 3.64 -71.87	109.54 4.50 -44.24	78.04 3.59 -24.07	77.71 4.90 -2.42	56.57 3.53 -4.45	72.35 3.25 -10.26	82.12 3.86 -11.92	100.81 4.63 -11.10	126.31 6.40 -4.01	71.15 3.39 -12.00	70.77 3.73 -3.22	81.41 4.03 0.00	75.80 3.66 -3.39
PATROON__115KV_TB1 80586	179.99 1.89 -135.40	179.74 1.98 -133.95	158.88 2.45 -103.89	162.68 2.55 -103.83	164.78 2.25 -110.33	119.05 2.62 -55.85	163.52 5.93 -6.78	166.25 5.73 0.00	125.65 4.43 -4.56	180.49 4.21 -74.61	160.28 6.06 -6.18	139.50 2.19 -88.53	118.06 2.77 -54.50	89.60 2.39 -36.84	90.44 3.10 -16.97	81.95 2.14 -31.21	133.21 2.33 -72.04	152.47 2.47 -83.66	166.01 3.06 -77.88	148.20 4.19 -28.11	142.28 2.29 -84.23	88.97 2.54 -22.61	80.26 2.88 0.00	95.48 2.93 -23.81
PATTRSNVILLE__SOLAR 323815	253.87 1.91 -209.25	266.80 1.95 -221.04	226.31 2.35 -171.43	230.07 2.45 -171.33	236.47 2.26 -182.01	155.40 2.69 -92.13	168.58 6.59 -11.18	167.60 7.08 0.00	129.32 5.14 -7.53	229.51 4.76 -123.08	161.27 6.72 -6.52	144.32 2.27 -93.28	120.95 2.73 -57.42	96.73 2.34 -44.02	101.59 3.21 -27.99	102.27 2.19 -51.49	180.34 2.67 -118.84	207.50 3.15 -138.01	217.47 3.93 -128.47	167.56 5.30 -46.36	197.29 2.58 -138.96	103.98 2.86 -37.30	80.71 3.33 0.00	110.91 2.88 -39.27
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	40.43 -2.44 -0.16	41.62 -2.18 0.00	49.93 -2.61 0.00	53.45 -2.85 0.00	49.84 -2.36 0.00	57.95 -2.64 0.00	142.47 -8.35 0.00	150.36 -10.16 0.00	108.15 -7.78 0.72	82.20 -7.52 11.94	136.18 -11.91 -0.04	58.37 -3.88 -13.48	64.49 -4.60 -8.30	51.45 -3.22 -4.29	65.41 -4.97 0.00	45.00 -3.60 0.00	54.38 -4.46 0.00	60.26 -5.42 0.66	75.75 -6.97 2.36	98.65 -8.80 8.45	51.59 -4.16 0.00	59.67 -4.15 0.00	73.10 -4.29 0.00	64.70 -4.05 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	81.39 2.66 -36.02	66.27 2.64 -19.82	71.03 3.11 -15.37	74.81 3.16 -15.35	71.46 3.03 -16.22	72.69 3.89 -8.21	161.29 9.48 -1.00	171.16 10.64 0.00	124.94 7.61 -0.68	119.92 7.19 -11.06	164.23 11.07 -5.11	125.87 3.90 -73.20	110.69 4.84 -45.06	78.86 3.94 -24.54	78.00 5.12 -2.50	56.80 3.62 -4.59	73.25 3.82 -10.59	83.18 4.55 -12.30	102.20 5.68 -11.45	127.79 7.75 -4.13	72.01 3.87 -12.38	71.41 4.26 -3.32	82.06 4.67 0.00	76.30 4.05 -3.50
PEEKSKILL____ 23653	79.63 1.97 -34.95	64.77 1.95 -19.01	69.53 2.25 -14.74	73.29 2.27 -14.73	69.96 2.20 -15.56	71.40 2.93 -7.88	158.71 6.94 -0.96	168.26 7.74 0.00	122.46 5.16 -0.64	117.31 5.13 -10.52	161.09 8.08 -4.97	122.81 2.93 -71.11	108.22 3.65 -43.77	77.16 2.97 -23.81	76.76 3.99 -2.39	55.83 2.84 -4.40	71.81 2.82 -10.16	81.51 3.37 -11.80	100.15 4.10 -10.98	125.48 5.62 -3.96	70.49 2.85 -11.88	70.10 3.10 -3.19	80.72 3.33 0.00	75.05 2.94 -3.36



PGE MADISON___WINDPWR 24146	66.10 0.88 -22.51	57.91 0.82 -13.28	63.79 0.95 -10.29	67.66 1.08 -10.29	64.28 1.16 -10.92	67.59 1.47 -5.53	156.05 4.57 -0.67	166.34 5.82 0.00	122.39 4.19 -1.55	131.11 3.97 -25.47	156.29 5.26 -2.98	73.32 1.41 -23.13	77.52 2.49 -14.24	61.39 2.81 -8.21	73.87 1.81 -1.68	52.68 1.00 -3.09	67.83 1.86 -7.13	76.66 2.31 -8.01	98.04 3.17 -9.79	135.68 4.29 -15.49	66.03 1.94 -8.33	68.04 1.99 -2.24	79.41 2.03 0.00	72.54 1.43 -2.35
PIERCEFIELD___HYD 23852	43.41 0.37 -0.33	44.03 0.23 0.00	52.58 0.04 0.00	56.59 0.30 0.00	52.47 0.27 0.00	60.74 0.15 0.00	152.84 2.03 0.00	161.68 1.16 0.00	117.05 0.40 0.00	101.17 -0.50 0.00	148.23 0.10 -0.09	49.81 -0.19 -1.23	61.11 -0.44 -0.75	50.10 -0.66 -0.39	70.24 -0.15 0.00	48.05 -0.55 0.00	58.37 -0.46 0.00	65.72 -0.61 0.00	84.33 -0.75 0.00	114.82 -1.08 0.00	55.17 -0.59 0.00	63.49 -0.33 0.00	78.03 0.64 0.00	69.19 0.44 0.00
PINELAWN_CC_1 323563	81.05 3.04 -35.30	65.93 2.92 -19.21	70.76 3.32 -14.90	74.50 3.33 -14.88	71.20 3.28 -15.72	72.97 4.43 -7.96	162.38 10.61 -0.97	172.36 11.84 0.00	125.69 8.38 -0.65	120.43 8.13 -10.63	166.01 12.74 -5.23	124.91 4.29 -71.85	110.22 5.20 -44.23	81.25 4.43 -26.45	80.02 6.03 -3.60	59.73 4.37 -6.77	73.51 4.41 -10.26	83.46 5.20 -11.92	102.90 6.73 -11.09	128.90 8.99 -4.01	72.11 4.35 -12.00	71.84 4.79 -3.22	89.85 5.68 -6.79	88.56 4.95 -14.86
PJM_GEN_HTP_PROXY 323702	66.94 2.26 -21.98	65.23 2.21 -19.21	69.99 2.54 -14.90	73.75 2.57 -14.88	70.43 2.51 -15.72	71.87 3.33 -7.96	159.73 7.96 -0.97	169.56 9.04 0.00	123.42 6.11 -0.65	118.28 5.98 -10.63	162.49 9.42 -5.02	123.99 3.36 -71.86	109.20 4.18 -44.23	77.85 3.41 -24.06	77.35 4.55 -2.42	50.25 3.24 1.58	75.02 3.20 -12.99	82.05 3.79 -11.92	100.78 4.60 -11.09	126.14 6.24 -4.01	70.91 3.15 -12.00	70.49 3.45 -3.22	84.69 3.69 -3.61	75.40 3.25 -3.39
PJM_GEN_KEystone 24065	49.26 -0.66 -7.21	55.68 -0.58 -12.46	61.52 -0.68 -9.66	65.10 -0.85 -9.65	61.82 -0.59 -10.21	65.23 -0.53 -5.17	149.12 -2.31 -0.63	157.78 -2.74 0.00	91.30 -2.64 22.71	80.55 -2.25 18.86	102.94 -2.85 42.25	84.71 -0.72 -36.66	81.44 -0.81 -21.47	51.46 -0.59 -1.68	51.43 -1.09 17.85	39.69 -0.81 8.09	66.90 -1.30 -9.37	72.21 -1.50 -7.37	88.83 -2.14 -5.89	111.28 -2.60 2.02	62.36 -1.17 -7.77	64.81 -1.10 -2.09	79.69 -1.31 -3.61	69.74 -1.21 -2.20
PJM_GEN_NEPTUNE_PROXY 323594	67.13 2.45 -21.97	65.38 2.36 -19.21	70.11 2.68 -14.90	73.86 2.69 -14.88	70.56 2.64 -15.72	72.14 3.60 -7.96	160.33 8.56 -0.97	170.07 9.55 0.00	123.97 6.66 -0.65	118.91 6.61 -10.63	163.51 10.34 -5.13	124.21 3.60 -71.85	109.41 4.39 -44.23	79.43 3.73 -25.33	78.46 5.03 -3.05	51.87 3.63 0.35	75.34 3.52 -12.99	82.42 4.16 -11.92	101.46 5.29 -11.09	127.03 7.13 -4.01	71.26 3.50 -12.00	70.87 3.83 -3.22	89.34 4.45 -7.51	82.23 3.94 -9.54
PJM_GEN_VFT_PROXY 323633	66.73 2.04 -21.98	65.01 1.99 -19.21	69.69 2.25 -14.90	73.44 2.26 -14.88	70.15 2.22 -15.72	71.58 3.03 -7.96	158.94 7.17 -0.97	168.67 8.15 0.00	122.72 5.41 -0.65	117.67 5.36 -10.63	161.57 8.51 -5.02	123.68 3.04 -71.87	108.81 3.77 -44.24	77.48 3.05 -24.07	76.83 4.06 -2.39	49.58 2.87 1.88	74.55 2.73 -12.99	80.96 3.31 -11.32	98.74 3.95 -9.72	123.85 5.34 -2.61	70.48 2.72 -12.00	69.98 2.94 -3.22	84.06 3.06 -3.61	74.89 2.75 -3.39
PLATSBURG_115KV_PMLD1 355749	42.75 0.04 0.00	43.61 -0.19 0.00	52.28 -0.26 0.00	56.55 0.25 0.00	52.83 0.63 0.00	60.95 0.36 0.00	151.77 0.96 0.00	161.88 1.36 0.00	118.64 1.99 0.00	102.97 1.30 0.00	149.15 1.11 0.00	48.73 -0.04 0.00	60.44 -0.36 0.00	49.52 -0.86 0.00	69.41 -0.97 0.00	24.43 -1.19 22.97	-28.49 -1.14 86.19	-22.68 -1.26 87.77	-30.75 -1.36 114.46	8.15 -1.98 105.77	41.91 -0.98 12.86	20.32 -1.15 42.35	-13.71 -0.94 90.15	34.76 -0.58 33.42
PLEASANTVLY___LBMP 24000	81.70 2.00 -36.99	66.05 1.99 -20.25	70.59 2.34 -15.71	74.35 2.36 -15.69	71.02 2.25 -16.57	71.85 2.88 -8.39	158.58 6.75 -1.02	168.00 7.48 0.00	122.46 5.12 -0.69	117.91 5.03 -11.21	161.21 7.93 -5.23	126.58 2.88 -74.93	110.53 3.60 -46.13	78.43 2.95 -25.11	76.85 3.92 -2.55	56.06 2.78 -4.69	72.46 2.81 -10.82	82.23 3.33 -12.57	100.82 4.05 -11.70	125.66 5.54 -4.22	71.24 2.83 -12.65	70.32 3.11 -3.40	80.76 3.37 0.00	75.30 2.97 -3.58
PLSNTVLE_13_KV_13.8KVDIST 80602	80.46 2.20 -35.55	65.32 2.18 -19.33	70.12 2.59 -14.99	73.91 2.64 -14.98	70.54 2.52 -15.82	71.89 3.30 -8.01	159.58 7.79 -0.97	169.21 8.70 0.00	123.18 5.87 -0.65	118.10 5.73 -10.70	162.13 9.03 -5.06	124.40 3.22 -72.41	109.38 4.01 -44.57	77.92 3.30 -24.25	77.21 4.39 -2.43	56.19 3.12 -4.47	72.30 3.13 -10.33	82.08 3.74 -11.99	100.83 4.59 -11.16	126.18 6.25 -4.03	70.98 3.15 -12.07	70.49 3.43 -3.24	81.09 3.71 0.00	75.43 3.26 -3.41
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	80.46 2.20 -35.55	65.32 2.18 -19.33	70.12 2.59 -14.99	73.91 2.64 -14.98	70.54 2.52 -15.82	71.89 3.30 -8.01	159.58 7.79 -0.97	169.21 8.70 0.00	123.18 5.87 -0.65	118.10 5.73 -10.70	162.13 9.03 -5.06	124.40 3.22 -72.41	109.38 4.01 -44.57	77.92 3.30 -24.25	77.21 4.39 -2.43	56.19 3.12 -4.47	72.30 3.13 -10.33	82.08 3.74 -11.99	100.83 4.59 -11.16	126.18 6.25 -4.03	70.98 3.15 -12.07	70.49 3.43 -3.24	81.09 3.71 0.00	75.43 3.26 -3.41
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	82.87 2.42 -37.74	67.83 2.40 -21.62	72.15 2.84 -16.77	75.92 2.88 -16.75	72.66 2.76 -17.70	73.05 3.51 -8.96	160.29 8.39 -1.09	169.92 9.39 0.00	124.13 6.73 -0.74	120.11 6.39 -12.05	163.10 9.89 -5.17	126.24 3.50 -73.97	110.68 4.35 -45.54	78.79 3.51 -24.90	77.72 4.62 -2.72	56.85 3.25 -5.01	73.82 3.44 -11.55	83.87 4.11 -13.41	102.69 5.12 -12.49	127.45 7.05 -4.51	72.79 3.52 -13.50	71.34 3.89 -3.63	81.65 4.27 0.00	76.26 3.69 -3.82
POLETTI_____ 23519	80.16 2.14 -35.31	65.11 2.09 -19.21	69.83 2.39 -14.90	73.58 2.40 -14.88	70.29 2.36 -15.72	71.72 3.18 -7.96	159.40 7.62 -0.97	169.22 8.71 0.00	123.12 5.82 -0.65	117.90 5.60 -10.63	162.13 9.07 -5.02	123.88 3.25 -71.87	109.04 4.01 -44.24	77.71 3.27 -24.07	77.15 4.35 -2.42	56.17 3.13 -4.45	72.10 3.00 -10.26	81.83 3.57 -11.92	100.45 4.28 -11.10	125.71 5.80 -4.01	70.74 2.98 -12.00	70.28 3.23 -3.22	80.76 3.38 0.00	75.16 3.02 -3.39
POMONA___ESR 323819	78.54 1.82 -34.01	64.06 1.78 -18.47	68.93 2.07 -14.33	72.68 2.08 -14.31	69.35 2.03 -15.12	70.99 2.75 -7.65	158.14 6.40 -0.93	167.70 7.17 0.00	121.95 4.67 -0.62	116.59 4.71 -10.21	160.31 7.43 -4.84	120.74 2.72 -69.25	106.83 3.41 -42.63	76.32 2.76 -23.19	76.40 3.69 -2.32	55.51 2.64 -4.28	71.30 2.59 -9.87	80.94 3.14 -11.46	99.50 3.76 -10.67	124.95 5.20 -3.85	69.95 2.65 -11.54	69.78 2.86 -3.10	80.45 3.06 0.00	74.71 2.69 -3.26
PORT_JEFF_3 23555	81.27 3.26 -35.30	66.09 3.08 -19.21	70.95 3.51 -14.90	74.71 3.54 -14.88	71.39 3.47 -15.72	73.25 4.71 -7.96	162.62 10.85 -0.97	172.84 12.32 0.00	125.50 8.19 -0.65	120.54 8.24 -10.63	166.70 13.42 -5.23	124.90 4.29 -71.85	110.14 5.12 -44.23	81.20 4.39 -26.45	79.94 5.95 -3.60	59.72 4.36 -6.77	73.57 4.47 -10.26	83.58 5.33 -11.92	103.09 6.93 -11.09	129.15 9.24 -4.01	72.20 4.44 -12.00	71.93 4.88 -3.22	90.27 6.10 -6.79	88.87 5.25 -14.86



PORT_JEFF_4 23616	81.27 3.26 -35.30	66.09 3.08 -19.21	70.95 3.51 -14.90	74.71 3.54 -14.88	71.39 3.47 -15.72	73.25 4.71 -7.96	162.62 10.85 -0.97	172.84 12.32 0.00	125.50 8.19 -0.65	120.54 8.24 -10.63	166.70 13.42 -5.23	124.90 4.29 -71.85	110.14 5.12 -44.23	81.20 4.39 -26.45	79.94 5.95 -3.60	59.72 4.36 -6.77	73.57 4.47 -10.26	83.58 5.33 -11.92	103.09 6.93 -11.09	129.15 9.24 -4.01	72.20 4.44 -12.00	71.93 4.88 -3.22	90.27 6.10 -6.79	88.87 5.25 -14.86
PORT_JEFF_IC 23713	81.29 3.28 -35.30	66.10 3.09 -19.21	70.96 3.52 -14.90	74.73 3.56 -14.88	71.41 3.49 -15.72	73.28 4.74 -7.96	162.73 10.95 -0.97	172.96 12.44 0.00	125.37 8.06 -0.65	120.49 8.19 -10.63	166.84 13.56 -5.23	124.93 4.32 -71.85	110.17 5.15 -44.23	81.23 4.41 -26.44	79.99 6.01 -3.60	59.75 4.39 -6.77	73.60 4.50 -10.26	83.64 5.38 -11.92	103.17 7.00 -11.09	129.22 9.31 -4.01	72.24 4.48 -12.00	71.98 4.94 -3.22	90.36 6.18 -6.79	88.92 5.31 -14.86
PPL_PILGRIM_ST_GT1 24216	81.46 3.45 -35.30	66.31 3.29 -19.21	71.26 3.82 -14.90	75.04 3.86 -14.88	71.70 3.77 -15.72	73.56 5.02 -7.96	163.57 11.80 -0.97	173.12 12.60 0.00	126.56 9.25 -0.65	121.34 9.04 -10.63	167.22 13.94 -5.23	125.27 4.66 -71.85	110.67 5.65 -44.23	81.73 4.91 -26.45	80.67 6.68 -3.60	60.21 4.84 -6.77	74.10 5.00 -10.26	84.06 5.80 -11.92	103.65 7.48 -11.09	129.90 10.00 -4.01	72.57 4.81 -12.00	72.33 5.28 -3.22	90.52 6.35 -6.79	89.13 5.52 -14.86
PPL_PILGRIM_ST_GT2 24217	81.46 3.45 -35.30	66.31 3.29 -19.21	71.26 3.82 -14.90	75.04 3.86 -14.88	71.70 3.77 -15.72	73.56 5.02 -7.96	163.57 11.80 -0.97	173.12 12.60 0.00	126.56 9.25 -0.65	121.34 9.04 -10.63	167.22 13.94 -5.23	125.27 4.66 -71.85	110.67 5.65 -44.23	81.73 4.91 -26.45	80.67 6.68 -3.60	60.21 4.84 -6.77	74.10 5.00 -10.26	84.06 5.80 -11.92	103.65 7.48 -11.09	129.90 10.00 -4.01	72.57 4.81 -12.00	72.33 5.28 -3.22	90.52 6.35 -6.79	89.13 5.52 -14.86
PPL_SHRM_GT3 24213	81.32 3.31 -35.30	66.13 3.11 -19.21	70.97 3.53 -14.90	74.73 3.55 -14.88	71.43 3.50 -15.72	73.32 4.77 -7.96	162.62 10.85 -0.97	173.11 12.59 0.00	125.05 7.74 -0.65	120.48 8.18 -10.63	166.93 13.66 -5.23	124.56 3.94 -71.85	109.62 4.60 -44.23	80.75 3.93 -26.45	79.34 5.35 -3.60	59.31 3.94 -6.77	73.17 4.07 -10.26	83.20 4.95 -11.92	102.63 6.47 -11.09	128.48 8.58 -4.01	71.90 4.14 -12.00	71.61 4.57 -3.22	90.39 6.22 -6.79	88.95 5.33 -14.86
PPL_SHRM_GT4 24214	81.32 3.31 -35.30	66.13 3.11 -19.21	70.97 3.53 -14.90	74.73 3.55 -14.88	71.43 3.50 -15.72	73.32 4.77 -7.96	162.62 10.85 -0.97	173.11 12.59 0.00	125.05 7.74 -0.65	120.48 8.18 -10.63	166.93 13.66 -5.23	124.56 3.94 -71.85	109.62 4.60 -44.23	80.75 3.93 -26.45	79.34 5.35 -3.60	59.31 3.94 -6.77	73.17 4.07 -10.26	83.20 4.95 -11.92	102.63 6.47 -11.09	128.48 8.58 -4.01	71.90 4.14 -12.00	71.61 4.57 -3.22	90.39 6.22 -6.79	88.95 5.33 -14.86
PROJECT___ORANGE 1 24174	43.54 -1.28 -2.12	42.58 -1.23 0.00	51.05 -1.49 0.00	54.61 -1.68 0.00	50.71 -1.49 0.00	58.93 -1.66 0.00	146.52 -4.29 0.00	155.82 -4.70 0.00	113.20 -3.46 0.00	98.60 -3.06 0.00	144.14 -4.45 -0.55	55.28 -1.37 -7.88	63.95 -1.69 -4.85	51.62 -1.25 -2.50	68.46 -1.92 0.00	47.28 -1.32 0.00	57.20 -1.64 0.00	64.03 -1.86 0.45	82.07 -2.49 0.52	112.50 -3.40 0.00	54.11 -1.65 0.00	61.96 -1.86 0.00	75.06 -2.33 0.00	66.52 -2.23 0.00
PROJECT___ORANGE 2 24166	43.54 -1.28 -2.12	42.58 -1.23 0.00	51.05 -1.49 0.00	54.61 -1.68 0.00	50.71 -1.49 0.00	58.93 -1.66 0.00	146.52 -4.29 0.00	155.82 -4.70 0.00	113.20 -3.46 0.00	98.60 -3.06 0.00	144.14 -4.45 -0.55	55.28 -1.37 -7.88	63.95 -1.69 -4.85	51.62 -1.25 -2.50	68.46 -1.92 0.00	47.28 -1.32 0.00	57.20 -1.64 0.00	64.03 -1.86 0.45	82.07 -2.49 0.52	112.50 -3.40 0.00	54.11 -1.65 0.00	61.96 -1.86 0.00	75.06 -2.33 0.00	66.52 -2.23 0.00
PUCKETT___SOLAR 323809	58.46 -0.23 -15.99	54.88 -0.18 -11.24	61.11 -0.15 -8.72	64.81 -0.19 -8.72	61.44 -0.01 -9.25	65.26 -0.01 -4.68	151.22 -0.16 -0.57	160.45 -0.07 0.00	116.89 -0.15 -0.38	107.90 -0.02 -6.25	149.90 0.14 -1.72	73.33 -0.07 -24.62	76.04 0.09 -15.16	59.12 0.20 -8.54	71.40 -0.41 -1.42	50.83 -0.38 -2.61	64.54 -0.33 -6.03	72.77 -0.29 -6.72	90.84 -0.44 -6.20	117.83 -0.43 -2.35	62.57 -0.24 -7.05	65.50 -0.22 -1.89	77.00 -0.38 0.00	70.16 -0.59 -1.99
PYRITES___HYD 24023	44.20 1.18 -0.31	44.86 1.05 0.00	53.52 0.98 0.00	57.61 1.31 0.00	53.50 1.30 0.00	61.92 1.34 0.00	156.26 5.45 0.00	165.30 4.78 0.00	119.74 3.08 0.00	103.33 1.66 0.00	151.51 3.38 -0.08	50.72 0.81 -1.14	62.20 0.70 -0.70	50.97 0.23 -0.36	71.49 1.10 0.00	48.99 0.39 0.00	59.63 0.80 0.00	67.25 0.91 0.00	86.41 1.34 0.00	117.66 1.76 0.00	56.49 0.73 0.00	65.03 1.21 0.00	79.69 2.31 0.00	70.67 1.91 0.00
QUAKERRD_115KV_BK1 80622	40.50 -3.13 -0.91	40.84 -2.96 0.00	48.98 -3.56 0.00	52.43 -3.86 0.00	48.80 -3.40 0.00	56.80 -3.79 0.00	140.65 -10.16 0.00	149.03 -11.49 0.00	107.68 -8.60 0.37	87.42 -8.11 6.14	135.87 -12.41 -0.23	54.86 -3.93 -10.02	62.16 -4.80 -6.17	49.92 -3.64 -3.18	64.99 -5.39 0.00	44.82 -3.78 0.00	54.23 -4.60 0.00	60.27 -5.32 0.75	76.54 -6.86 1.68	102.32 -9.25 4.33	51.33 -4.43 0.00	58.97 -4.85 0.00	71.85 -5.53 0.00	63.68 -5.07 0.00
QUENSBRY_115KV_TB8 356137	244.11 4.29 -197.11	255.47 4.38 -207.29	218.55 5.25 -160.76	222.44 5.47 -160.67	228.10 5.18 -170.71	153.09 6.10 -86.41	176.01 14.71 -10.48	176.00 15.48 0.00	135.15 11.43 -7.06	227.68 10.57 -115.44	170.08 15.70 -6.34	144.94 5.40 -90.76	123.47 6.80 -55.87	98.16 5.46 -42.33	103.99 7.36 -26.25	101.96 5.08 -48.29	176.23 5.93 -111.47	202.64 6.86 -129.45	214.29 8.72 -120.49	170.90 11.51 -43.49	191.55 5.46 -130.33	105.06 6.26 -34.98	84.67 7.28 0.00	111.89 6.31 -36.84
RAMAPO___LBMP 323565	78.29 1.69 -33.89	63.88 1.67 -18.39	68.73 1.92 -14.26	72.49 1.95 -14.25	69.17 1.91 -15.06	70.79 2.58 -7.62	157.71 5.97 -0.92	167.20 6.68 0.00	121.59 4.31 -0.62	116.22 4.38 -10.17	159.84 6.98 -4.82	120.34 2.54 -69.03	106.49 3.21 -42.50	76.07 2.59 -23.11	76.15 3.45 -2.32	55.33 2.47 -4.26	71.07 2.41 -9.83	80.67 2.92 -11.41	99.20 3.50 -10.63	124.56 4.82 -3.84	69.71 2.46 -11.49	69.56 2.66 -3.09	80.21 2.82 0.00	74.50 2.50 -3.25
RANKINE____ 23646	39.57 -3.29 -0.15	40.75 -3.06 0.00	48.84 -3.70 0.00	52.29 -4.00 0.00	48.76 -3.44 0.00	56.74 -3.85 0.00	139.43 -11.38 0.00	146.86 -13.66 0.00	105.77 -10.18 0.71	80.08 -9.86 11.73	132.87 -15.21 -0.03	57.12 -4.83 -13.18	63.07 -5.84 -8.11	50.33 -4.24 -4.20	63.87 -6.51 0.00	43.94 -4.65 0.00	53.08 -5.75 0.00	58.84 -6.83 0.67	74.02 -8.71 2.34	96.27 -11.30 8.33	50.48 -5.28 0.00	58.37 -5.45 0.00	71.50 -5.89 0.00	63.21 -5.54 0.00
RAVENSWOOD_GT2_1 24244	80.33 2.30 -35.31	65.29 2.26 -19.21	70.05 2.61 -14.90	73.81 2.63 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.72 9.20 0.00	123.54 6.23 -0.65	118.36 6.05 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.88 3.44 -24.07	77.42 4.62 -2.42	56.32 3.28 -4.45	72.32 3.22 -10.26	82.09 3.83 -11.92	100.80 4.63 -11.10	126.19 6.29 -4.01	70.94 3.18 -12.00	70.53 3.49 -3.22	81.10 3.72 0.00	75.44 3.30 -3.39



RAVENSWOOD_GT2_2 24245	80.33 2.30 -35.31	65.29 2.26 -19.21	70.05 2.61 -14.90	73.81 2.63 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.72 9.20 0.00	123.54 6.23 -0.65	118.36 6.05 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.88 3.44 -24.07	77.42 4.62 -2.42	56.32 3.28 -4.45	72.32 3.22 -10.26	82.09 3.83 -11.92	100.80 4.63 -11.10	126.19 6.29 -4.01	70.94 3.18 -12.00	70.53 3.49 -3.22	81.10 3.72 0.00	75.44 3.30 -3.39
RAVENSWOOD_GT2_3 24246	80.36 2.33 -35.31	65.32 2.30 -19.21	70.09 2.65 -14.90	73.84 2.66 -14.88	70.52 2.60 -15.72	71.98 3.43 -7.96	160.04 8.26 -0.97	169.87 9.35 0.00	123.61 6.31 -0.65	118.41 6.11 -10.63	162.72 9.66 -5.02	124.08 3.44 -71.87	109.31 4.27 -44.24	77.91 3.47 -24.07	77.46 4.66 -2.42	56.35 3.31 -4.45	72.35 3.25 -10.27	82.12 3.86 -11.92	100.87 4.69 -11.10	126.27 6.36 -4.01	70.97 3.21 -12.00	70.55 3.51 -3.22	81.14 3.76 0.00	75.48 3.33 -3.39
RAVENSWOOD_GT2_4 24247	80.36 2.33 -35.31	65.32 2.30 -19.21	70.09 2.65 -14.90	73.84 2.66 -14.88	70.52 2.60 -15.72	71.98 3.43 -7.96	160.04 8.26 -0.97	169.87 9.35 0.00	123.61 6.31 -0.65	118.41 6.11 -10.63	162.72 9.66 -5.02	124.08 3.44 -71.87	109.31 4.27 -44.24	77.91 3.47 -24.07	77.46 4.66 -2.42	56.35 3.31 -4.45	72.35 3.25 -10.27	82.12 3.86 -11.92	100.87 4.69 -11.10	126.27 6.36 -4.01	70.97 3.21 -12.00	70.55 3.51 -3.22	81.14 3.76 0.00	75.48 3.33 -3.39
RAVENSWOOD_GT3_1 24248	80.33 2.30 -35.31	65.29 2.26 -19.21	70.05 2.61 -14.90	73.81 2.63 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.73 9.22 0.00	123.54 6.23 -0.65	118.37 6.06 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.88 3.44 -24.07	77.42 4.62 -2.42	56.32 3.28 -4.45	72.33 3.23 -10.26	82.09 3.83 -11.92	100.81 4.63 -11.10	126.20 6.30 -4.01	70.94 3.18 -12.00	70.53 3.49 -3.22	81.10 3.72 0.00	75.44 3.30 -3.39
RAVENSWOOD_GT3_2 24249	80.33 2.30 -35.31	65.29 2.26 -19.21	70.05 2.61 -14.90	73.81 2.63 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.73 9.22 0.00	123.54 6.23 -0.65	118.37 6.06 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.88 3.44 -24.07	77.42 4.62 -2.42	56.32 3.28 -4.45	72.33 3.23 -10.26	82.09 3.83 -11.92	100.81 4.63 -11.10	126.20 6.30 -4.01	70.94 3.18 -12.00	70.53 3.49 -3.22	81.10 3.72 0.00	75.44 3.30 -3.39
RAVENSWOOD_GT3_3 24250	80.38 2.36 -35.31	65.36 2.34 -19.21	70.14 2.69 -14.90	73.89 2.71 -14.88	70.56 2.63 -15.72	72.03 3.49 -7.96	160.19 8.41 -0.97	170.03 9.51 0.00	123.74 6.43 -0.65	118.52 6.22 -10.63	162.88 9.82 -5.02	124.14 3.50 -71.87	109.39 4.35 -44.24	77.98 3.54 -24.07	77.54 4.74 -2.42	56.40 3.36 -4.45	72.42 3.32 -10.26	82.19 3.93 -11.92	100.95 4.78 -11.10	126.38 6.47 -4.01	71.03 3.27 -12.00	70.62 3.58 -3.22	81.21 3.83 0.00	75.54 3.39 -3.39
RAVENSWOOD_GT3_4 24251	80.38 2.36 -35.31	65.36 2.34 -19.21	70.14 2.69 -14.90	73.89 2.71 -14.88	70.56 2.63 -15.72	72.03 3.49 -7.96	160.19 8.41 -0.97	170.03 9.51 0.00	123.74 6.43 -0.65	118.52 6.22 -10.63	162.88 9.82 -5.02	124.14 3.50 -71.87	109.39 4.35 -44.24	77.98 3.54 -24.07	77.54 4.74 -2.42	56.40 3.36 -4.45	72.42 3.32 -10.26	82.19 3.93 -11.92	100.95 4.78 -11.10	126.38 6.47 -4.01	71.03 3.27 -12.00	70.62 3.58 -3.22	81.21 3.83 0.00	75.54 3.39 -3.39
RAVENSWOOD_GT_1 23729	80.49 2.45 -35.33	65.69 2.43 -19.46	70.23 2.78 -14.90	73.98 2.80 -14.88	70.65 2.72 -15.72	72.14 3.60 -7.96	160.54 8.76 -0.97	170.33 9.81 0.00	123.94 6.63 -0.65	118.79 6.49 -10.64	163.34 10.27 -5.02	124.29 3.65 -71.87	109.57 4.53 -44.25	78.28 3.67 -24.24	77.82 4.91 -2.52	58.27 3.48 -6.19	72.52 3.42 -10.26	82.42 4.06 -12.02	101.47 4.89 -11.50	129.90 6.65 -7.35	71.24 3.36 -12.12	70.98 3.64 -3.51	81.30 3.90 -0.01	75.67 3.53 -3.39
RAVENSWOOD_GT_10 24258	80.33 2.30 -35.31	65.33 2.27 -19.24	70.05 2.61 -14.90	73.83 2.65 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.75 9.23 0.00	123.54 6.23 -0.65	118.36 6.06 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.90 3.44 -24.09	77.43 4.62 -2.43	56.53 3.28 -4.67	72.33 3.23 -10.27	82.09 3.83 -11.92	100.81 4.63 -11.10	126.62 6.30 -4.42	70.96 3.19 -12.02	70.57 3.49 -3.26	81.11 3.72 0.00	75.45 3.30 -3.39
RAVENSWOOD_GT_11 24259	80.33 2.30 -35.31	65.33 2.27 -19.24	70.05 2.61 -14.90	73.83 2.65 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.75 9.23 0.00	123.54 6.23 -0.65	118.36 6.06 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.90 3.44 -24.09	77.43 4.62 -2.43	56.53 3.28 -4.67	72.33 3.23 -10.27	82.09 3.83 -11.92	100.81 4.63 -11.10	126.62 6.30 -4.42	70.96 3.19 -12.02	70.57 3.49 -3.26	81.11 3.72 0.00	75.45 3.30 -3.39
RAVENSWOOD_GT_4 24252	80.32 2.29 -35.32	65.45 2.25 -19.40	70.04 2.59 -14.90	73.79 2.61 -14.88	70.48 2.55 -15.72	71.93 3.38 -7.96	159.89 8.11 -0.97	169.71 9.19 0.00	123.50 6.20 -0.65	118.30 6.00 -10.64	162.57 9.51 -5.02	124.03 3.39 -71.87	109.22 4.19 -44.24	77.98 3.42 -24.19	77.46 4.58 -2.50	57.61 3.26 -5.75	72.31 3.20 -10.26	82.07 3.81 -11.92	100.82 4.61 -11.13	128.66 6.26 -6.50	71.01 3.15 -12.09	70.74 3.48 -3.44	81.09 3.70 -0.01	75.42 3.27 -3.39
RAVENSWOOD_GT_5 24254	80.32 2.29 -35.32	65.45 2.25 -19.40	70.04 2.59 -14.90	73.79 2.61 -14.88	70.48 2.55 -15.72	71.93 3.38 -7.96	159.89 8.11 -0.97	169.71 9.19 0.00	123.50 6.20 -0.65	118.30 6.00 -10.64	162.57 9.51 -5.02	124.03 3.39 -71.87	109.22 4.19 -44.24	77.98 3.42 -24.19	77.46 4.58 -2.50	57.61 3.26 -5.75	72.31 3.20 -10.26	82.07 3.81 -11.92	100.82 4.61 -11.13	128.66 6.26 -6.50	71.01 3.15 -12.09	70.74 3.48 -3.44	81.09 3.70 -0.01	75.42 3.27 -3.39
RAVENSWOOD_GT_6 24253	80.32 2.29 -35.32	65.45 2.25 -19.40	70.04 2.59 -14.90	73.79 2.61 -14.88	70.48 2.55 -15.72	71.93 3.38 -7.96	159.89 8.11 -0.97	169.71 9.19 0.00	123.50 6.20 -0.65	118.30 6.00 -10.64	162.57 9.51 -5.02	124.03 3.39 -71.87	109.22 4.19 -44.24	77.98 3.42 -24.19	77.46 4.58 -2.50	57.61 3.26 -5.75	72.31 3.20 -10.26	82.07 3.81 -11.92	100.82 4.61 -11.13	128.66 6.26 -6.50	71.01 3.15 -12.09	70.74 3.48 -3.44	81.09 3.70 -0.01	75.42 3.27 -3.39
RAVENSWOOD_GT_7 24255	80.32 2.29 -35.32	65.45 2.25 -19.40	70.04 2.59 -14.90	73.79 2.61 -14.88	70.48 2.55 -15.72	71.93 3.38 -7.96	159.89 8.11 -0.97	169.71 9.19 0.00	123.50 6.20 -0.65	118.30 6.00 -10.64	162.57 9.51 -5.02	124.03 3.39 -71.87	109.22 4.19 -44.24	77.98 3.42 -24.19	77.46 4.58 -2.50	57.61 3.26 -5.75	72.31 3.20 -10.26	82.07 3.81 -11.92	100.82 4.61 -11.13	128.66 6.26 -6.50	71.01 3.15 -12.09	70.74 3.48 -3.44	81.09 3.70 -0.01	75.42 3.27 -3.39
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	80.33 2.30 -35.31	65.33 2.27 -19.24	70.05 2.61 -14.90	73.83 2.65 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.75 9.23 0.00	123.54 6.23 -0.65	118.36 6.06 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.90 3.44 -24.09	77.43 4.62 -2.43	56.53 3.28 -4.67	72.33 3.23 -10.27	82.09 3.83 -11.92	100.81 4.63 -11.10	126.62 6.30 -4.42	70.96 3.19 -12.02	70.57 3.49 -3.26	81.11 3.72 0.00	75.45 3.30 -3.39



RAVENSWOOD_GT_9 24257	80.33 2.30 -35.31	65.33 2.27 -19.24	70.05 2.61 -14.90	73.83 2.65 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.93 8.15 -0.97	169.75 9.23 0.00	123.54 6.23 -0.65	118.36 6.06 -10.63	162.61 9.55 -5.02	124.05 3.41 -71.87	109.27 4.23 -44.24	77.90 3.44 -24.09	77.43 4.62 -2.43	56.53 3.28 -4.67	72.33 3.23 -10.27	82.09 3.83 -11.92	100.81 4.63 -11.10	126.62 6.30 -4.42	70.96 3.19 -12.02	70.57 3.49 -3.26	81.11 3.72 0.00	75.45 3.30 -3.39
RAVENSWOOD___1 23533	80.38 2.37 -35.30	65.13 2.35 -18.97	70.13 2.69 -14.90	73.89 2.71 -14.88	70.57 2.64 -15.72	72.05 3.50 -7.96	160.31 8.53 -0.97	170.11 9.59 0.00	123.73 6.42 -0.65	118.60 6.30 -10.63	163.03 9.97 -5.02	124.17 3.54 -71.87	109.42 4.39 -44.24	77.84 3.56 -23.90	77.46 4.76 -2.31	54.71 3.39 -2.73	72.41 3.31 -10.26	82.18 3.92 -11.92	100.87 4.75 -11.05	123.07 6.44 -0.72	70.90 3.26 -11.89	70.30 3.54 -2.93	81.15 3.78 0.01	75.53 3.38 -3.39
RAVENSWOOD___2 23534	80.38 2.37 -35.30	65.13 2.35 -18.97	70.13 2.69 -14.90	73.89 2.71 -14.88	70.57 2.64 -15.72	72.05 3.50 -7.96	160.31 8.53 -0.97	170.11 9.59 0.00	123.73 6.42 -0.65	118.60 6.30 -10.63	163.03 9.97 -5.02	124.17 3.54 -71.87	109.42 4.39 -44.24	77.84 3.56 -23.90	77.46 4.76 -2.31	54.71 3.39 -2.73	72.41 3.31 -10.26	82.18 3.92 -11.92	100.87 4.75 -11.05	123.07 6.44 -0.72	70.90 3.26 -11.89	70.30 3.54 -2.93	81.15 3.78 0.01	75.53 3.38 -3.39
RAVENSWOOD___3 23535	80.33 2.31 -35.31	65.29 2.27 -19.21	70.05 2.61 -14.90	73.83 2.65 -14.88	70.50 2.57 -15.72	71.95 3.40 -7.96	159.94 8.16 -0.97	169.76 9.24 0.00	123.55 6.25 -0.65	118.37 6.07 -10.63	162.63 9.56 -5.02	124.05 3.41 -71.87	109.27 4.24 -44.24	77.88 3.44 -24.07	77.42 4.62 -2.42	56.32 3.28 -4.45	72.32 3.22 -10.26	82.08 3.82 -11.92	100.81 4.63 -11.10	126.20 6.30 -4.01	70.95 3.18 -12.00	70.54 3.49 -3.22	81.11 3.72 0.00	75.45 3.30 -3.39
RAVENSWOOD___4 23820	80.38 2.37 -35.30	65.13 2.35 -18.97	70.13 2.69 -14.90	73.89 2.71 -14.88	70.57 2.64 -15.72	72.05 3.50 -7.96	160.31 8.53 -0.97	170.11 9.59 0.00	123.73 6.42 -0.65	118.60 6.30 -10.63	163.03 9.97 -5.02	124.17 3.54 -71.87	109.42 4.39 -44.24	77.84 3.56 -23.90	77.46 4.76 -2.31	54.71 3.39 -2.73	72.41 3.31 -10.26	82.18 3.92 -11.92	100.87 4.75 -11.05	123.07 6.44 -0.72	70.90 3.26 -11.89	70.30 3.54 -2.93	81.15 3.78 0.01	75.53 3.38 -3.39
RCPL_TRUST___DRP 24196	80.36 2.34 -35.31	65.32 2.30 -19.21	70.09 2.64 -14.90	73.84 2.66 -14.88	70.52 2.60 -15.72	71.98 3.44 -7.96	160.04 8.26 -0.97	169.88 9.36 0.00	123.72 6.42 -0.65	118.52 6.22 -10.63	162.87 9.81 -5.02	124.13 3.50 -71.86	109.38 4.35 -44.23	77.98 3.54 -24.06	77.55 4.75 -2.42	56.40 3.36 -4.45	72.44 3.34 -10.26	82.21 3.95 -11.92	100.97 4.80 -11.09	126.39 6.49 -4.01	71.02 3.26 -12.00	70.62 3.58 -3.22	81.21 3.82 0.00	75.52 3.38 -3.39
RED___ROCHESTER 323720	41.18 -2.32 -0.79	41.70 -2.11 0.00	49.99 -2.56 0.00	53.51 -2.79 0.00	49.83 -2.37 0.00	58.02 -2.56 0.00	143.61 -7.20 0.00	151.99 -8.53 0.00	109.74 -6.51 0.41	88.55 -6.33 6.78	138.28 -9.97 -0.21	55.96 -3.09 -10.28	63.42 -3.70 -6.33	50.98 -2.66 -3.27	66.31 -4.07 0.00	45.70 -2.89 0.00	55.34 -3.50 0.00	61.52 -4.06 0.76	78.05 -5.24 1.79	104.09 -7.01 4.80	52.42 -3.34 0.00	60.26 -3.56 0.00	73.51 -3.88 0.00	65.10 -3.66 0.00
REGAN___SOLAR 323812	243.77 2.78 -198.28	253.21 2.79 -206.61	216.14 3.36 -160.23	219.98 3.55 -160.14	225.67 3.35 -170.12	150.74 4.05 -86.11	171.75 10.49 -10.45	172.14 11.62 0.00	132.12 8.43 -7.04	223.99 7.28 -115.04	164.40 9.57 -6.79	149.02 3.02 -97.23	124.14 3.49 -59.85	97.96 3.25 -44.33	101.04 4.50 -26.16	99.71 3.00 -48.12	173.99 4.08 -111.08	200.34 5.00 -128.99	211.48 6.33 -120.08	167.89 8.65 -43.34	189.72 4.08 -129.88	103.23 4.54 -34.86	82.73 5.35 0.00	109.95 4.49 -36.71
RENSSELAER___COGEN 23796	156.35 1.68 -111.96	151.71 1.77 -106.13	137.07 2.21 -82.31	140.85 2.29 -82.26	141.65 2.01 -87.43	107.13 2.29 -44.25	161.19 5.01 -5.37	165.17 4.66 0.00	123.91 3.64 -3.62	164.34 3.55 -59.13	159.22 5.06 -6.12	138.25 1.87 -87.61	117.06 2.33 -53.93	87.15 2.04 -34.74	86.42 2.59 -13.44	75.11 1.79 -24.73	117.82 1.90 -57.09	134.62 1.98 -66.30	149.21 2.43 -61.71	141.53 3.36 -22.27	124.41 1.90 -66.75	83.85 2.12 -17.92	79.79 2.40 0.00	90.19 2.57 -18.86
REPUBLIC_115KV_BARTNBRK 55605	245.48 6.63 -196.14	256.73 6.79 -206.14	220.40 8.00 -159.86	224.37 8.29 -159.78	229.92 7.96 -169.76	156.10 9.59 -85.92	184.20 22.97 -10.43	184.02 23.50 0.00	141.27 17.59 -7.02	232.60 16.13 -114.80	178.81 24.43 -6.34	148.27 8.80 -90.70	127.82 11.19 -55.84	101.33 8.72 -42.23	107.33 10.85 -26.10	103.91 7.30 -48.02	178.32 8.65 -110.84	205.16 10.10 -128.72	217.95 13.05 -119.82	176.13 16.98 -43.24	193.24 7.87 -129.60	107.70 9.09 -34.79	88.05 10.67 0.00	114.31 8.93 -36.63
REVERE_CPFR_DRP 24186	45.23 1.41 -1.11	45.37 1.56 0.00	54.59 2.05 0.00	58.31 2.01 0.00	54.08 1.88 0.00	62.69 2.10 0.00	157.13 6.32 0.00	167.09 6.57 0.00	121.52 4.87 0.00	105.91 4.24 0.00	154.69 6.36 -0.29	55.07 2.16 -4.14	65.98 2.64 -2.55	53.92 2.23 -1.32	74.05 3.67 0.00	51.14 2.55 0.00	61.99 3.16 0.00	69.53 3.38 0.19	88.62 3.77 0.22	120.94 5.04 0.00	58.08 2.32 0.00	66.21 2.39 0.00	80.10 2.72 0.00	70.95 2.19 0.00
REYNOLDS_115KV_TB3 80639	167.94 1.93 -123.29	165.50 2.02 -119.67	147.83 2.48 -92.81	151.62 2.57 -92.76	153.05 2.26 -98.59	113.09 2.61 -49.90	162.68 5.81 -6.05	166.23 5.71 0.00	124.98 4.24 -4.08	172.57 4.23 -66.67	160.26 6.09 -6.13	138.80 2.23 -87.80	117.67 2.83 -54.05	88.49 2.44 -35.68	88.73 3.19 -15.16	78.70 2.22 -27.89	125.61 2.40 -64.37	143.72 2.62 -74.75	157.85 3.20 -69.58	145.33 4.32 -25.11	133.34 2.32 -75.26	86.59 2.56 -20.20	80.32 2.94 0.00	92.94 2.92 -21.27
RIVERBAY____ 323610	80.69 2.67 -35.31	65.66 2.64 -19.21	70.54 3.10 -14.90	74.36 3.18 -14.88	71.03 3.11 -15.72	72.60 4.05 -7.96	162.07 10.29 -0.97	170.89 10.37 0.00	124.03 6.72 -0.65	118.87 6.57 -10.63	163.52 10.45 -5.02	124.29 3.64 -71.87	109.54 4.50 -44.24	78.04 3.59 -24.07	77.71 4.90 -2.42	56.57 3.53 -4.45	72.35 3.25 -10.26	82.12 3.86 -11.92	100.81 4.63 -11.10	126.31 6.40 -4.01	71.15 3.39 -12.00	70.77 3.73 -3.22	81.41 4.03 0.00	75.80 3.66 -3.39
RIVERSDE_115KV_TB3 55908	169.12 1.84 -124.57	166.88 1.94 -121.13	148.88 2.39 -93.94	152.68 2.49 -93.89	154.18 2.19 -99.79	113.62 2.53 -50.51	162.59 5.65 -6.13	165.98 5.46 0.00	124.92 4.14 -4.13	173.19 4.04 -67.48	159.99 5.80 -6.15	138.90 2.13 -88.00	117.65 2.69 -54.17	88.54 2.33 -35.84	88.74 3.01 -15.34	78.91 2.09 -28.23	126.25 2.26 -65.16	144.40 2.40 -75.66	158.45 2.94 -70.43	145.33 4.01 -25.42	134.14 2.20 -76.18	86.71 2.44 -20.45	80.16 2.78 0.00	93.11 2.82 -21.53
ROARING___BROOK_WT_PWR 323790	41.92 -0.79 0.00	43.09 -0.72 0.00	51.69 -0.85 0.00	55.38 -0.91 0.00	51.22 -0.98 0.00	59.44 -1.15 0.00	148.41 -2.40 0.00	158.00 -2.52 0.00	115.02 -1.64 0.00	99.62 -2.05 0.00	144.81 -3.23 0.00	47.75 -1.02 0.00	59.51 -1.28 0.00	49.13 -1.24 0.00	69.60 -0.79 0.00	48.14 -0.46 0.00	58.39 -0.45 0.00	65.27 -1.07 0.00	83.30 -1.77 0.00	113.18 -2.72 0.00	54.39 -1.37 0.00	62.23 -1.59 0.00	75.67 -1.72 0.00	67.38 -1.38 0.00



ROCHESRG_115KV_T4 355643	40.72 -2.80 -0.81	41.22 -2.59 0.00	49.44 -3.10 0.00	52.95 -3.35 0.00	49.26 -2.94 0.00	57.34 -3.24 0.00	141.80 -9.01 0.00	150.07 -10.45 0.00	108.37 -7.89 0.40	87.39 -7.59 6.68	136.46 -11.79 -0.21	55.28 -3.71 -10.22	62.59 -4.49 -6.29	50.27 -3.35 -3.25	65.36 -5.02 0.00	45.05 -3.55 0.00	54.51 -4.32 0.00	60.52 -5.05 0.77	76.77 -6.52 1.78	102.48 -8.70 4.72	51.62 -4.14 0.00	59.38 -4.44 0.00	72.49 -4.90 0.00	64.27 -4.48 0.00
ROCHESTER_9_IC 23652	40.94 -2.56 -0.79	41.45 -2.36 0.00	49.72 -2.82 0.00	53.23 -3.07 0.00	49.55 -2.65 0.00	57.70 -2.89 0.00	142.78 -8.03 0.00	151.11 -9.40 0.00	109.12 -7.13 0.41	87.94 -6.94 6.78	137.43 -10.82 -0.21	55.65 -3.40 -10.28	63.05 -4.07 -6.33	50.65 -2.99 -3.27	65.86 -4.52 0.00	45.39 -3.21 0.00	54.93 -3.91 0.00	61.03 -4.55 0.76	77.44 -5.84 1.79	103.29 -7.81 4.80	52.03 -3.73 0.00	59.83 -3.99 0.00	73.02 -4.37 0.00	64.69 -4.06 0.00
ROCKVIEW_13_KV_LD 356306	80.37 2.35 -35.31	65.35 2.34 -19.21	70.18 2.74 -14.90	73.94 2.76 -14.88	70.60 2.67 -15.72	72.05 3.51 -7.96	160.13 8.35 -0.97	169.87 9.35 0.00	123.63 6.33 -0.65	118.43 6.13 -10.63	162.73 9.67 -5.02	124.09 3.45 -71.87	109.33 4.29 -44.24	77.94 3.50 -24.07	77.49 4.69 -2.42	56.36 3.32 -4.45	72.44 3.34 -10.26	82.22 3.96 -11.92	101.03 4.86 -11.10	126.52 6.62 -4.01	71.08 3.32 -12.00	70.69 3.64 -3.22	81.33 3.95 0.00	75.62 3.47 -3.39
ROME____115KV_TB2 80656	45.23 1.41 -1.11	45.37 1.56 0.00	54.59 2.05 0.00	58.31 2.01 0.00	54.08 1.88 0.00	62.69 2.10 0.00	157.13 6.32 0.00	167.09 6.57 0.00	121.52 4.87 0.00	105.91 4.24 0.00	154.69 6.36 -0.29	55.07 2.16 -4.14	65.98 2.64 -2.55	53.92 2.23 -1.32	74.05 3.67 0.00	51.14 2.55 0.00	61.99 3.16 0.00	69.53 3.38 0.19	88.62 3.77 0.22	120.94 5.04 0.00	58.08 2.32 0.00	66.21 2.39 0.00	80.10 2.72 0.00	70.95 2.19 0.00
ROSETON____1 23587	79.42 1.88 -34.83	64.32 1.87 -18.65	69.20 2.20 -14.46	72.95 2.21 -14.45	69.59 2.12 -15.27	71.05 2.74 -7.73	158.10 6.35 -0.94	167.59 7.07 0.00	122.09 4.80 -0.63	116.76 4.77 -10.33	160.55 7.48 -5.02	123.32 2.73 -71.83	108.40 3.39 -44.22	77.15 2.76 -24.02	76.44 3.71 -2.35	55.54 2.63 -4.32	71.44 2.64 -9.97	81.06 3.14 -11.57	99.65 3.81 -10.77	125.01 5.22 -3.89	70.06 2.65 -11.65	69.85 2.90 -3.13	80.52 3.13 0.00	74.82 2.77 -3.29
ROSETON____2 23588	79.42 1.88 -34.83	64.32 1.87 -18.65	69.20 2.20 -14.46	72.95 2.21 -14.45	69.59 2.12 -15.27	71.05 2.74 -7.73	158.10 6.35 -0.94	167.59 7.07 0.00	122.09 4.80 -0.63	116.76 4.77 -10.33	160.55 7.48 -5.02	123.32 2.73 -71.83	108.40 3.39 -44.22	77.15 2.76 -24.02	76.44 3.71 -2.35	55.54 2.63 -4.32	71.44 2.64 -9.97	81.06 3.14 -11.57	99.65 3.81 -10.77	125.01 5.22 -3.89	70.06 2.65 -11.65	69.85 2.90 -3.13	80.52 3.13 0.00	74.82 2.77 -3.29
ROTRDAM_115KV_TB3 80664	257.89 1.73 -213.46	272.16 1.77 -226.58	230.41 2.15 -175.72	234.14 2.22 -175.62	240.80 2.03 -186.57	157.40 2.38 -94.43	167.90 5.63 -11.46	166.47 5.95 0.00	128.66 4.29 -7.72	231.94 4.11 -126.17	160.51 6.06 -6.41	142.65 2.12 -91.76	119.90 2.62 -56.49	96.45 2.18 -43.90	102.04 2.97 -28.69	103.43 2.06 -52.78	182.99 2.34 -121.82	210.55 2.74 -141.47	220.13 3.37 -131.68	167.97 4.54 -47.53	200.43 2.24 -142.43	104.54 2.49 -38.23	80.24 2.86 0.00	111.52 2.51 -40.26
RUSSELL____1 23602	41.16 -2.34 -0.79	41.67 -2.14 0.00	49.98 -2.57 0.00	53.51 -2.79 0.00	49.82 -2.39 0.00	58.02 -2.57 0.00	143.61 -7.20 0.00	151.99 -8.53 0.00	109.75 -6.50 0.41	88.53 -6.35 6.78	138.26 -9.99 -0.21	55.96 -3.09 -10.28	63.42 -3.70 -6.33	50.98 -2.66 -3.27	66.28 -4.10 0.00	45.69 -2.91 0.00	55.32 -3.51 0.00	61.49 -4.09 0.76	78.04 -5.25 1.79	104.11 -6.99 4.80	52.41 -3.34 0.00	60.26 -3.56 0.00	73.51 -3.88 0.00	65.09 -3.66 0.00
RUSSELL____2 23532	41.16 -2.34 -0.79	41.67 -2.14 0.00	49.98 -2.57 0.00	53.51 -2.79 0.00	49.82 -2.39 0.00	58.02 -2.57 0.00	143.61 -7.20 0.00	151.99 -8.53 0.00	109.75 -6.50 0.41	88.53 -6.35 6.78	138.26 -9.99 -0.21	55.96 -3.09 -10.28	63.42 -3.70 -6.33	50.98 -2.66 -3.27	66.28 -4.10 0.00	45.69 -2.91 0.00	55.32 -3.51 0.00	61.49 -4.09 0.76	78.04 -5.25 1.79	104.11 -6.99 4.80	52.41 -3.34 0.00	60.26 -3.56 0.00	73.51 -3.88 0.00	65.09 -3.66 0.00
RUSSELL____3 23549	41.16 -2.34 -0.79	41.67 -2.14 0.00	49.98 -2.57 0.00	53.51 -2.79 0.00	49.82 -2.39 0.00	58.02 -2.57 0.00	143.61 -7.20 0.00	151.99 -8.53 0.00	109.75 -6.50 0.41	88.53 -6.35 6.78	138.26 -9.99 -0.21	55.96 -3.09 -10.28	63.42 -3.70 -6.33	50.98 -2.66 -3.27	66.28 -4.10 0.00	45.69 -2.91 0.00	55.32 -3.51 0.00	61.49 -4.09 0.76	78.04 -5.25 1.79	104.11 -6.99 4.80	52.41 -3.34 0.00	60.26 -3.56 0.00	73.51 -3.88 0.00	65.09 -3.66 0.00
RUSSELL____4 23556	41.16 -2.34 -0.79	41.67 -2.14 0.00	49.98 -2.57 0.00	53.51 -2.79 0.00	49.82 -2.39 0.00	58.02 -2.57 0.00	143.61 -7.20 0.00	151.99 -8.53 0.00	109.75 -6.50 0.41	88.53 -6.35 6.78	138.26 -9.99 -0.21	55.96 -3.09 -10.28	63.42 -3.70 -6.33	50.98 -2.66 -3.27	66.28 -4.10 0.00	45.69 -2.91 0.00	55.32 -3.51 0.00	61.49 -4.09 0.76	78.04 -5.25 1.79	104.11 -6.99 4.80	52.41 -3.34 0.00	60.26 -3.56 0.00	73.51 -3.88 0.00	65.09 -3.66 0.00
RUSSELL____STATION 23914	41.16 -2.34 -0.79	41.67 -2.14 0.00	49.98 -2.57 0.00	53.51 -2.79 0.00	49.82 -2.39 0.00	58.02 -2.57 0.00	143.61 -7.20 0.00	151.99 -8.53 0.00	109.75 -6.50 0.41	88.53 -6.35 6.78	138.26 -9.99 -0.21	55.96 -3.09 -10.28	63.42 -3.70 -6.33	50.98 -2.66 -3.27	66.28 -4.10 0.00	45.69 -2.91 0.00	55.32 -3.51 0.00	61.49 -4.09 0.76	78.04 -5.25 1.79	104.11 -6.99 4.80	52.41 -3.34 0.00	60.26 -3.56 0.00	73.51 -3.88 0.00	65.09 -3.66 0.00
S SALMON____HYD 24043	43.26 -1.15 -1.71	42.76 -1.05 0.00	51.41 -1.13 0.00	55.03 -1.27 0.00	51.16 -1.04 0.00	59.01 -1.57 0.00	147.20 -3.61 0.00	156.51 -4.01 0.00	113.57 -3.09 0.00	98.90 -2.76 0.00	144.62 -3.87 -0.44	54.02 -1.11 -6.36	63.23 -1.48 -3.91	51.22 -1.17 -2.02	69.63 -0.75 0.00	48.21 -0.39 0.00	58.27 -0.57 0.00	65.16 -1.18 0.00	83.05 -2.02 0.00	113.11 -2.79 0.00	54.39 -1.37 0.00	62.19 -1.63 0.00	75.41 -1.97 0.00	66.75 -2.00 0.00
S.PERRY__115KV_TB1 80734	38.61 -2.55 1.55	41.31 -2.50 0.00	49.34 -3.21 0.00	52.80 -3.49 0.00	49.23 -2.97 0.00	57.44 -3.15 0.00	142.29 -8.52 0.00	150.54 -9.98 0.00	107.69 -7.86 1.10	75.46 -7.99 18.22	135.34 -12.29 0.41	58.85 -3.76 -13.84	64.74 -4.58 -8.52	51.57 -3.20 -4.40	65.10 -5.28 0.00	44.76 -3.83 0.00	54.29 -4.54 0.00	61.27 -4.45 0.62	76.55 -5.39 3.13	95.97 -7.12 12.81	52.45 -3.31 0.00	60.72 -3.10 0.00	75.32 -2.06 0.00	66.56 -2.19 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	39.06 -3.88 -0.23	40.24 -3.57 0.00	48.26 -4.28 0.00	51.68 -4.61 0.00	48.17 -4.03 0.00	56.03 -4.55 0.00	137.59 -13.22 0.00	144.76 -15.76 0.00	104.22 -11.77 0.67	79.28 -11.33 11.05	130.49 -17.61 -0.05	55.84 -5.65 -12.72	61.78 -6.85 -7.83	49.34 -5.09 -4.06	62.78 -7.60 0.00	43.18 -5.41 0.00	52.16 -6.68 0.00	57.73 -7.92 0.69	72.67 -10.14 2.27	94.77 -13.32 7.82	49.50 -6.26 0.00	57.26 -6.56 0.00	70.31 -7.08 0.00	62.29 -6.47 0.00



SAWYER___23_KV_LOAD 55526	39.06	40.24	48.26	51.68	48.17	56.03	137.59	144.76	104.22	79.28	130.49	55.84	61.78	49.34	62.78	43.18	52.16	57.73	72.67	94.77	49.50	57.26	70.31	62.29
	-3.88	-3.57	-4.28	-4.61	-4.03	-4.55	-13.22	-15.76	-11.77	-11.33	-17.61	-5.65	-6.85	-5.09	-7.60	-5.41	-6.68	-7.92	-10.14	-13.32	-6.26	-6.56	-7.08	-6.47
	-0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	11.05	-0.05	-12.72	-7.83	-4.06	0.00	0.00	0.00	0.69	2.27	7.82	0.00	0.00	0.00	0.00
SELKIRK___I 23801	139.47	131.97	122.88	126.92	126.42	101.44	168.17	173.59	130.27	157.76	166.80	137.20	117.32	85.94	85.88	71.28	108.49	122.96	138.51	140.51	111.54	82.01	82.43	88.45
	4.21	4.38	5.36	5.69	5.21	5.92	13.12	13.07	10.76	9.43	12.85	3.78	4.42	3.22	4.89	3.17	4.60	4.65	5.26	7.22	3.67	4.20	5.04	4.97
	-92.55	-83.78	-64.98	-64.94	-69.01	-34.93	-4.24	0.00	-2.85	-46.66	-5.91	-84.65	-52.11	-32.34	-10.61	-19.52	-45.05	-51.97	-48.18	-17.39	-52.11	-13.99	0.00	-14.73
SELKIRK___II 23799	135.41	126.71	117.62	121.40	121.01	96.63	159.66	165.08	122.93	150.35	159.16	137.80	116.75	85.30	83.20	69.27	104.42	119.20	134.92	136.50	108.79	79.68	79.80	85.64
	1.60	1.66	2.07	2.14	1.89	2.17	4.74	4.56	3.51	3.43	5.03	1.83	2.28	1.94	2.53	1.75	1.89	2.11	2.59	3.55	1.92	2.14	2.42	2.44
	-91.11	-81.24	-63.00	-62.97	-66.92	-33.87	-4.11	0.00	-2.77	-45.25	-6.09	-87.20	-53.68	-32.99	-10.29	-18.93	-43.69	-50.75	-47.25	-17.05	-51.11	-13.72	0.00	-14.44
SENECA OSWGO___HYD 24041	43.10	42.34	50.76	54.29	50.40	58.59	145.63	154.86	112.51	98.00	143.25	54.26	63.15	51.09	68.09	47.02	56.91	64.25	82.25	111.92	53.82	61.62	74.64	66.15
	-1.52	-1.46	-1.78	-2.01	-1.80	-1.99	-5.18	-5.66	-4.15	-3.66	-5.29	-1.65	-2.04	-1.55	-2.29	-1.57	-1.93	-2.19	-2.94	-3.98	-1.93	-2.20	-2.75	-2.60
	-1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.50	-7.15	-4.40	-2.27	0.00	0.00	0.00	-0.10	-0.12	0.00	0.00	0.00	0.00	0.00
SENECA___115KV_TB3 355854	39.65	40.83	48.93	52.38	48.84	56.83	139.70	147.17	105.97	80.27	133.16	57.22	63.19	50.44	64.00	44.04	53.19	58.96	74.19	96.51	50.59	58.48	71.64	63.34
	-3.21	-2.98	-3.61	-3.91	-3.36	-3.76	-11.11	-13.35	-9.98	-9.67	-14.91	-4.74	-5.72	-4.14	-6.38	-4.56	-5.64	-6.71	-8.55	-11.07	-5.17	-5.34	-5.75	-5.41
	-0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	11.73	-0.03	-13.18	-8.11	-4.20	0.00	0.00	0.67	2.34	8.33	0.00	0.00	0.00	0.00	0.00
SENECA___ENERGY 23797	43.35	42.46	50.91	54.40	50.68	58.90	145.90	154.76	112.18	95.12	142.79	57.68	65.27	52.30	67.91	46.85	56.69	63.75	81.22	109.87	53.91	61.82	74.91	66.32
	-1.47	-1.35	-1.64	-1.90	-1.52	-1.69	-4.91	-5.76	-4.32	-3.89	-5.80	-1.78	-2.10	-1.47	-2.47	-1.74	-2.14	-2.22	-3.07	-4.16	-1.85	-2.00	-2.48	-2.43
	-2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	2.65	-0.55	-10.69	-6.58	-3.40	0.00	0.00	0.00	0.37	0.78	1.87	0.00	0.00	0.00	0.00
SHOEMAKER___GT 23640	76.54	62.90	67.99	71.74	68.35	70.21	157.30	166.74	121.46	115.48	159.18	116.67	104.08	74.67	75.77	54.92	70.46	79.96	98.56	124.21	69.02	69.31	80.14	74.23
	1.64	1.63	1.92	1.93	1.86	2.39	5.61	6.22	4.22	4.16	6.56	2.35	2.94	2.35	3.19	2.29	2.29	2.78	3.40	4.66	2.35	2.57	2.76	2.40
	-32.19	-17.46	-13.54	-13.52	-14.29	-7.23	-0.88	0.00	-0.59	-9.64	-4.58	-65.55	-40.35	-21.94	-2.20	-4.04	-9.33	-10.84	-10.09	-3.64	-10.91	-2.93	0.00	-3.08
SHOEMAKR_138KV_BK 111 55601	76.28	62.74	67.85	71.61	68.20	70.12	157.19	166.62	121.35	115.33	159.04	116.22	103.78	74.50	75.72	54.87	70.36	79.82	98.41	124.06	68.89	69.24	80.07	74.15
	1.60	1.60	1.87	1.89	1.81	2.35	5.50	6.10	4.11	4.09	6.45	2.33	2.90	2.33	3.15	2.26	2.26	2.72	3.32	4.55	2.30	2.51	2.68	2.34
	-31.97	-17.33	-13.44	-13.43	-14.19	-7.18	-0.87	0.00	-0.59	-9.57	-4.55	-65.12	-40.08	-21.80	-2.18	-4.02	-9.27	-10.76	-10.01	-3.62	-10.83	-2.91	0.00	-3.06
SHOREHAM_IC_1 23715	81.32	66.13	70.97	74.73	71.43	73.32	162.62	173.11	125.05	120.48	166.93	124.56	109.62	80.75	79.34	59.31	73.17	83.20	102.63	128.48	71.90	71.61	90.39	88.95
	3.31	3.11	3.53	3.55	3.50	4.77	10.85	12.59	7.74	8.18	13.66	3.94	4.60	3.93	5.35	3.94	4.07	4.95	6.47	8.58	4.14	4.57	6.22	5.33
	-35.30	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.23	-71.85	-44.23	-26.45	-3.60	-6.77	-10.26	-11.92	-11.09	-4.01	-12.00	-3.22	-6.79	-14.86
SHOREHAM_IC_2 23716	81.32	66.13	70.97	74.73	71.43	73.32	162.62	173.11	125.05	120.48	166.93	124.56	109.62	80.75	79.34	59.31	73.17	83.20	102.63	128.48	71.90	71.61	90.39	88.95
	3.31	3.11	3.53	3.55	3.50	4.77	10.85	12.59	7.74	8.18	13.66	3.94	4.60	3.93	5.35	3.94	4.07	4.95	6.47	8.58	4.14	4.57	6.22	5.33
	-35.30	-19.21	-14.90	-14.88	-15.72	-7.96	-0.97	0.00	-0.65	-10.63	-5.23	-71.85	-44.23	-26.45	-3.60	-6.77	-10.26	-11.92	-11.09	-4.01	-12.00	-3.22	-6.79	-14.86
SISSONVILLE____ 23735	43.41	44.03	52.58	56.59	52.47	60.74	152.84	161.68	117.05	101.17	148.23	49.81	61.11	50.10	70.24	48.05	58.37	65.72	84.33	114.82	55.17	63.49	78.03	69.19
	0.37	0.23	0.04	0.30	0.27	0.15	2.03	1.16	0.40	-0.50	0.10	-0.19	-0.44	-0.66	-0.15	-0.55	-0.46	-0.61	-0.75	-1.08	-0.59	-0.33	0.64	0.44
	-0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	-1.23	-0.75	-0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS1 24169	42.28	41.82	50.14	53.66	49.82	57.87	143.82	152.91	111.07	96.73	141.22	52.36	61.56	49.99	67.12	46.35	56.07	59.61	76.81	110.30	53.06	60.78	73.69	65.37
	-2.01	-1.99	-2.40	-2.64	-2.38	-2.72	-6.99	-7.60	-5.59	-4.94	-7.23	-2.30	-2.85	-2.25	-3.26	-2.25	-2.76	-3.14	-4.11	-5.60	-2.70	-3.04	-3.69	-3.38
	-1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.41	-5.88	-3.62	-1.87	0.00	0.00	0.00	3.59	4.15	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS2 24170	42.28	41.82	50.14	53.66	49.82	57.87	143.82	152.91	111.07	96.73	141.22	52.36	61.56	49.99	67.12	46.35	56.07	59.61	76.81	110.30	53.06	60.78	73.69	65.37
	-2.01	-1.99	-2.40	-2.64	-2.38	-2.72	-6.99	-7.60	-5.59	-4.94	-7.23	-2.30	-2.85	-2.25	-3.26	-2.25	-2.76	-3.14	-4.11	-5.60	-2.70	-3.04	-3.69	-3.38
	-1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.41	-5.88	-3.62	-1.87	0.00	0.00	0.00	3.59	4.15	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS3 24171	42.28	41.82	50.14	53.66	49.82	57.87	143.82	152.91	111.07	96.73	141.22	52.36	61.56	49.99	67.12	46.35	56.07	59.61	76.81	110.30	53.06	60.78	73.69	65.37
	-2.01	-1.99	-2.40	-2.64	-2.38	-2.72	-6.99	-7.60	-5.59	-4.94	-7.23	-2.30	-2.85	-2.25	-3.26	-2.25	-2.76	-3.14	-4.11	-5.60	-2.70	-3.04	-3.69	-3.38
	-1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.41	-5.88	-3.62	-1.87	0.00	0.00	0.00	3.59	4.15	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS4 24172	42.28	41.82	50.14	53.66	49.82	57.87	143.82	152.91	111.07	96.73	141.22	52.36	61.56	49.99	67.12	46.35	56.07	59.61	76.81	110.30	53.06	60.78	73.69	65.37
	-2.01	-1.99	-2.40	-2.64	-2.38	-2.72	-6.99	-7.60	-5.59	-4.94	-7.23	-2.30	-2.85	-2.25	-3.26	-2.25	-2.76	-3.14	-4.11	-5.60	-2.70	-3.04	-3.69	-3.38
	-1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.41	-5.88	-3.62	-1.87	0.00	0.00	0.00	3.59	4.15	0.00	0.00	0.00	0.00	0.00



SITHE___BATAVIA 24024	40.52 -2.72 -0.52	41.38 -2.43 0.00	49.57 -2.97 0.00	53.10 -3.20 0.00	49.51 -2.69 0.00	57.74 -2.85 0.00	142.20 -8.61 0.00	150.20 -10.32 0.00	108.25 -7.88 0.52	84.95 -8.03 8.68	135.31 -12.89 -0.15	56.20 -4.08 -11.50	63.23 -4.64 -7.08	50.81 -3.22 -3.66	65.28 -5.10 0.00	44.93 -3.66 0.00	54.49 -4.35 0.00	60.63 -4.99 0.72	76.78 -6.27 2.02	101.34 -8.30 6.26	51.80 -3.96 0.00	59.63 -4.19 0.00	73.03 -4.35 0.00	64.62 -4.14 0.00
SITHE___INDEPEND 23800	42.28 -2.01 -1.58	41.82 -1.99 0.00	50.14 -2.40 0.00	53.66 -2.64 0.00	49.82 -2.38 0.00	57.86 -2.72 0.00	143.82 -6.99 0.00	152.90 -7.62 0.00	111.07 -5.59 0.00	96.73 -4.93 0.00	141.22 -7.23 -0.41	52.36 -2.30 -5.88	61.56 -2.85 -3.62	49.99 -2.25 -1.87	67.12 -3.27 0.00	46.35 -2.25 0.00	56.06 -2.77 0.00	59.61 -3.14 3.59	76.81 -4.10 4.15	110.30 -5.60 0.00	53.06 -2.69 0.00	60.77 -3.05 0.00	73.69 -3.70 0.00	65.38 -3.38 0.00
SITHE___MASSENA 23902	42.97 0.26 0.00	43.93 0.12 0.00	52.42 -0.12 0.00	56.43 0.14 0.00	52.36 0.16 0.00	60.71 0.12 0.00	152.24 1.43 0.00	161.85 1.34 0.00	117.75 1.10 0.00	101.92 0.25 0.00	148.44 0.40 0.00	48.66 -0.11 0.00	60.55 -0.24 0.00	49.95 -0.43 0.00	70.17 -0.21 0.00	48.29 -0.30 0.00	58.82 -0.01 0.00	66.25 -0.08 0.00	85.23 0.16 0.00	116.07 0.17 0.00	55.77 0.01 0.00	63.94 0.12 0.00	78.09 0.71 0.00	69.32 0.57 0.00
SITHE___OGDNSBRG 24021	43.84 1.12 0.00	44.80 0.99 0.00	53.42 0.88 0.00	57.52 1.23 0.00	53.41 1.21 0.00	61.86 1.27 0.00	155.88 5.07 0.00	165.21 4.69 0.00	119.88 3.23 0.00	103.50 1.84 0.00	151.34 3.30 0.00	49.55 0.78 0.00	61.50 0.70 0.00	50.61 0.24 0.00	71.40 1.01 0.00	49.05 0.45 0.00	59.75 0.91 0.00	67.43 1.10 0.00	86.69 1.62 0.00	118.04 2.14 0.00	56.67 0.91 0.00	65.12 1.30 0.00	79.67 2.29 0.00	70.66 1.90 0.00
SITHE___STERLING 23777	44.93 0.91 -1.31	44.86 1.05 0.00	53.92 1.38 0.00	57.65 1.36 0.00	53.49 1.29 0.00	62.07 1.49 0.00	155.29 4.47 0.00	165.32 4.80 0.00	120.17 3.51 0.00	104.72 3.05 0.00	152.96 4.57 -0.34	55.20 1.57 -4.86	65.71 1.92 -2.99	53.55 1.63 -1.54	72.86 2.47 0.00	50.35 1.75 0.00	61.00 2.16 0.00	68.35 2.24 0.23	87.33 2.52 0.27	119.26 3.35 0.00	57.28 1.52 0.00	65.42 1.60 0.00	79.14 1.76 0.00	70.12 1.37 0.00
SLEIGHT__34_KV_TB1 80719	42.34 -2.00 -1.63	41.96 -1.85 0.00	50.33 -2.22 0.00	53.81 -2.48 0.00	50.10 -2.10 0.00	58.34 -2.24 0.00	144.73 -6.08 0.00	153.46 -7.06 0.00	111.10 -5.33 0.22	92.81 -5.15 3.71	140.44 -8.02 -0.42	56.35 -2.47 -10.05	63.96 -3.02 -6.19	51.38 -2.19 -3.20	66.99 -3.39 0.00	46.18 -2.41 0.00	55.87 -2.97 0.00	62.40 -3.29 0.65	79.61 -4.22 1.24	107.60 -5.68 2.62	53.02 -2.73 0.00	60.86 -2.96 0.00	73.99 -3.39 0.00	65.50 -3.26 0.00
SOUTH CAIRO___GT 23612	131.76 4.11 -84.93	123.13 4.23 -75.09	115.96 5.17 -58.24	120.00 5.50 -58.20	119.07 5.03 -61.84	97.66 5.78 -31.30	166.71 12.10 -3.80	172.10 11.58 0.00	130.41 11.20 -2.56	153.47 9.99 -41.82	167.78 13.93 -5.81	136.36 4.36 -83.23	117.11 5.08 -51.24	85.54 3.85 -31.32	85.20 5.31 -9.51	69.63 3.54 -17.49	104.05 4.84 -40.38	118.97 5.84 -46.80	135.97 7.38 -43.51	141.65 10.04 -15.71	107.76 4.93 -47.07	82.09 5.63 -12.63	84.03 6.64 0.00	88.29 6.24 -13.30
SOUTH HAMPTN___IC 23720	81.28 3.27 -35.30	66.09 3.07 -19.21	70.90 3.46 -14.90	74.67 3.49 -14.88	71.38 3.46 -15.72	73.30 4.76 -7.96	162.10 10.32 -0.97	173.08 12.56 0.00	125.54 8.23 -0.65	120.86 8.56 -10.63	167.14 13.87 -5.23	124.66 4.04 -71.85	109.56 4.54 -44.23	80.68 3.86 -26.45	79.22 5.24 -3.60	59.26 3.90 -6.77	73.32 4.22 -10.26	83.39 5.14 -11.92	102.88 6.71 -11.09	128.82 8.92 -4.01	71.97 4.21 -12.00	71.67 4.63 -3.22	90.33 6.16 -6.79	88.86 5.25 -14.86
SOUTHDOW_115KV_TB1 355954	40.34 -2.49 -0.12	41.82 -1.99 0.00	50.28 -2.27 0.00	53.91 -2.38 0.00	50.09 -2.11 0.00	58.27 -2.32 0.00	143.65 -7.16 0.00	151.59 -8.93 0.00	108.39 -7.50 0.76	81.58 -7.53 12.55	136.40 -11.67 -0.02	59.10 -3.61 -13.94	65.14 -4.24 -8.58	52.32 -2.81 -4.76	66.47 -4.51 -0.60	46.25 -3.45 -1.10	57.28 -4.09 -2.54	63.73 -4.92 -2.31	79.26 -6.14 -0.32	100.50 -7.47 7.94	55.56 -3.17 -2.97	61.68 -2.94 -0.80	73.73 -3.65 0.00	65.49 -4.10 -0.84
SOUTHOLD_69_KV_BK 2 55809	81.03 3.01 -35.30	65.80 2.78 -19.21	70.54 3.10 -14.90	74.26 3.09 -14.88	71.05 3.13 -15.72	72.93 4.39 -7.96	158.19 6.41 -0.97	171.38 10.86 0.00	125.41 8.10 -0.65	120.86 8.56 -10.63	166.78 13.51 -5.23	124.23 3.62 -71.85	108.00 2.98 -44.23	79.34 2.52 -26.44	77.35 3.36 -3.60	58.10 2.73 -6.77	73.03 3.93 -10.26	83.17 4.91 -11.92	102.64 6.46 -11.09	128.43 8.52 -4.01	71.74 3.99 -12.00	71.37 4.33 -3.22	89.92 5.75 -6.79	88.44 4.82 -14.86
SOUTHOLD___IC 23719	81.02 3.00 -35.30	65.80 2.78 -19.21	70.54 3.10 -14.90	74.26 3.09 -14.88	71.05 3.13 -15.72	72.94 4.39 -7.96	158.20 6.42 -0.97	171.38 10.86 0.00	125.40 8.09 -0.65	120.85 8.55 -10.63	166.78 13.51 -5.23	124.23 3.62 -71.85	108.00 2.98 -44.23	79.34 2.52 -26.45	77.35 3.36 -3.60	58.09 2.73 -6.77	73.03 3.93 -10.26	83.16 4.91 -11.92	102.63 6.46 -11.09	128.43 8.53 -4.01	71.74 3.98 -12.00	71.37 4.33 -3.22	89.92 5.74 -6.79	88.43 4.82 -14.86
SOUTH_FORK_WT_PWR 323839	80.38 2.37 -35.30	65.16 2.14 -19.21	69.74 2.30 -14.90	73.41 2.23 -14.88	70.26 2.34 -15.72	72.03 3.49 -7.96	157.52 5.75 -0.97	169.85 9.33 0.00	123.89 6.59 -0.65	119.63 7.33 -10.63	164.82 11.54 -5.23	123.63 3.01 -71.85	107.70 2.68 -44.23	79.08 2.26 -26.45	76.99 3.01 -3.60	57.79 2.42 -6.77	72.15 3.05 -10.26	82.17 3.92 -11.92	101.38 5.21 -11.09	126.74 6.83 -4.01	70.94 3.18 -12.00	70.42 3.38 -3.22	88.76 4.59 -6.79	87.42 3.80 -14.86
SPIERFLS_115KV_TB 1 80737	244.65 4.03 -197.92	256.16 4.11 -208.24	218.98 4.93 -161.50	222.87 5.16 -161.41	228.56 4.86 -171.50	153.09 5.70 -86.80	175.19 13.85 -10.53	175.06 14.54 0.00	134.46 10.71 -7.09	227.56 9.92 -115.97	169.10 14.72 -6.34	144.59 5.01 -90.81	122.97 6.28 -55.90	97.83 5.05 -42.40	103.59 6.83 -26.37	101.82 4.72 -48.51	176.31 5.50 -111.98	202.76 6.38 -130.04	214.21 8.09 -121.05	170.32 10.73 -43.69	191.78 5.09 -130.93	104.83 5.86 -35.15	84.21 6.83 0.00	111.71 5.96 -37.00
ST LAWRENCE____ 23600	42.45 -0.27 0.00	43.42 -0.39 0.00	51.94 -0.60 0.00	55.89 -0.40 0.00	51.87 -0.33 0.00	60.15 -0.44 0.00	150.36 -0.45 0.00	160.27 -0.25 0.00	116.65 -0.01 0.00	101.02 -0.65 0.00	146.96 -1.08 0.00	48.16 -0.61 0.00	59.95 -0.84 0.00	49.48 -0.90 0.00	69.42 -0.96 0.00	47.82 -0.77 0.00	58.23 -0.60 0.00	65.61 -0.73 0.00	84.43 -0.64 0.00	115.03 -0.88 0.00	55.26 -0.50 0.00	63.32 -0.50 0.00	77.19 -0.20 0.00	68.65 -0.11 0.00
STATE_CA_115KV_115_LB 55624	181.74 1.89 -137.15	181.82 1.98 -136.03	160.49 2.45 -105.50	164.29 2.55 -105.44	166.50 2.25 -112.05	119.92 2.62 -56.71	163.63 5.93 -6.88	166.25 5.73 0.00	125.72 4.43 -4.64	181.65 4.21 -75.77	160.29 6.06 -6.19	139.57 2.20 -88.60	118.10 2.77 -54.54	89.76 2.39 -37.00	90.72 3.10 -17.23	82.44 2.15 -31.70	134.33 2.33 -73.16	153.78 2.48 -84.96	167.21 3.06 -79.08	148.64 4.19 -28.54	143.59 2.29 -85.54	89.32 2.54 -22.96	80.26 2.88 0.00	95.86 2.93 -24.17



STATE_ST_34_KV_LOAD 55959	45.96 -0.76 -4.01	43.11 -0.70 0.00	51.71 -0.83 0.00	55.27 -1.03 0.00	51.55 -0.65 0.00	59.93 -0.66 0.00	148.74 -2.07 0.00	158.14 -2.38 0.00	115.08 -1.82 -0.25	104.02 -1.73 -4.08	146.50 -2.59 -1.05	58.54 -0.77 -10.54	66.32 -0.96 -6.49	53.16 -0.56 -3.35	69.29 -1.09 0.00	47.82 -0.77 0.00	57.77 -1.07 0.00	65.15 -0.88 0.31	84.01 -1.24 -0.18	117.10 -1.67 -2.87	55.01 -0.74 0.00	63.01 -0.81 0.00	76.34 -1.05 0.00	67.56 -1.19 0.00
STATION_5_MISC_HYD 23604	40.96 -2.54 -0.79	41.48 -2.33 0.00	49.72 -2.82 0.00	53.23 -3.06 0.00	49.56 -2.64 0.00	57.71 -2.88 0.00	142.78 -8.03 0.00	151.11 -9.41 0.00	109.12 -7.13 0.41	87.95 -6.94 6.78	137.42 -10.83 -0.21	55.67 -3.38 -10.28	63.03 -4.08 -6.33	50.65 -2.99 -3.27	65.85 -4.53 0.00	45.39 -3.20 0.00	54.96 -3.88 0.00	61.05 -4.53 0.76	77.44 -5.84 1.79	103.27 -7.83 4.80	52.03 -3.73 0.00	59.82 -4.00 0.00	73.02 -4.36 0.00	64.69 -4.06 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	41.84 -1.64 -0.78	42.32 -1.49 0.00	50.74 -1.80 0.00	54.29 -2.01 0.00	50.54 -1.66 0.00	58.84 -1.75 0.00	145.77 -5.04 0.00	154.57 -5.95 0.00	111.74 -4.50 0.42	90.39 -4.41 6.86	141.24 -7.00 -0.20	56.90 -2.14 -10.27	64.57 -2.55 -6.32	51.87 -1.77 -3.26	67.55 -2.84 0.00	46.60 -2.00 0.00	56.45 -2.38 0.00	63.03 -2.67 0.64	79.93 -3.50 1.65	106.36 -4.71 4.83	53.54 -2.22 0.00	61.44 -2.38 0.00	74.69 -2.69 0.00	66.09 -2.66 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	40.84 -2.68 -0.81	41.32 -2.49 0.00	49.55 -2.99 0.00	53.06 -3.24 0.00	49.38 -2.82 0.00	57.48 -3.10 0.00	142.33 -8.48 0.00	150.76 -9.76 0.00	108.89 -7.37 0.40	87.90 -7.11 6.65	137.22 -11.04 -0.21	55.53 -3.45 -10.21	62.90 -4.18 -6.28	50.53 -3.09 -3.25	65.72 -4.66 0.00	45.30 -3.29 0.00	54.85 -3.98 0.00	60.93 -4.65 0.75	77.32 -5.99 1.76	103.15 -8.04 4.71	51.92 -3.83 0.00	59.69 -4.13 0.00	72.79 -4.60 0.00	64.48 -4.27 0.00
STA_56___34_KV_BUS2 355983	40.84 -2.68 -0.81	41.32 -2.49 0.00	49.55 -2.99 0.00	53.06 -3.24 0.00	49.38 -2.82 0.00	57.48 -3.10 0.00	142.33 -8.48 0.00	150.76 -9.76 0.00	108.89 -7.37 0.40	87.90 -7.11 6.65	137.22 -11.04 -0.21	55.53 -3.45 -10.21	62.90 -4.18 -6.28	50.53 -3.09 -3.25	65.72 -4.66 0.00	45.30 -3.29 0.00	54.85 -3.98 0.00	60.93 -4.65 0.75	77.32 -5.99 1.76	103.15 -8.04 4.71	51.92 -3.83 0.00	59.69 -4.13 0.00	72.79 -4.60 0.00	64.48 -4.27 0.00
STA_67___115KV_BK2 355882	40.85 -2.65 -0.80	41.35 -2.46 0.00	49.61 -2.93 0.00	53.11 -3.18 0.00	49.43 -2.77 0.00	57.55 -3.04 0.00	142.40 -8.40 0.00	150.71 -9.81 0.00	108.83 -7.42 0.41	87.71 -7.19 6.77	137.03 -11.22 -0.21	55.52 -3.52 -10.27	62.86 -4.25 -6.32	50.50 -3.14 -3.27	65.65 -4.74 0.00	45.24 -3.35 0.00	54.75 -4.08 0.00	60.83 -4.75 0.76	77.17 -6.11 1.79	102.95 -8.16 4.79	51.86 -3.90 0.00	59.64 -4.18 0.00	72.80 -4.58 0.00	64.52 -4.23 0.00
STA_7___115KV_9TRANS 80674	41.16 -2.34 -0.79	41.67 -2.14 0.00	49.98 -2.57 0.00	53.51 -2.79 0.00	49.82 -2.39 0.00	58.02 -2.57 0.00	143.61 -7.20 0.00	151.99 -8.53 0.00	109.75 -6.50 0.41	88.53 -6.35 6.78	138.26 -9.99 -0.21	55.96 -3.09 -10.28	63.42 -3.70 -6.33	50.98 -2.66 -3.27	66.28 -4.10 0.00	45.69 -2.91 0.00	55.32 -3.51 0.00	61.49 -4.09 0.76	78.04 -5.25 1.79	104.11 -6.99 4.80	52.41 -3.34 0.00	60.26 -3.56 0.00	73.51 -3.88 0.00	65.09 -3.66 0.00
STA_82___115KV_TB1 80780	40.85 -2.65 -0.78	41.36 -2.45 0.00	49.62 -2.93 0.00	53.12 -3.18 0.00	49.45 -2.75 0.00	57.56 -3.03 0.00	142.44 -8.37 0.00	150.77 -9.75 0.00	108.86 -7.38 0.41	87.63 -7.19 6.85	137.05 -11.20 -0.20	55.58 -3.51 -10.32	62.91 -4.24 -6.35	50.53 -3.12 -3.28	65.66 -4.72 0.00	45.26 -3.34 0.00	54.79 -4.04 0.00	60.85 -4.73 0.76	77.19 -6.09 1.79	102.93 -8.13 4.85	51.88 -3.88 0.00	59.67 -4.15 0.00	72.84 -4.55 0.00	64.55 -4.21 0.00
STEEL___WIND 323596	39.65 -3.20 -0.15	40.80 -3.01 0.00	48.85 -3.69 0.00	52.30 -4.00 0.00	48.83 -3.37 0.00	56.77 -3.82 0.00	139.50 -11.31 0.00	146.87 -13.65 0.00	105.69 -10.25 0.71	79.97 -9.97 11.73	132.86 -15.22 -0.03	57.13 -4.82 -13.18	63.06 -5.85 -8.11	50.33 -4.24 -4.20	63.84 -6.54 0.00	43.97 -4.63 0.00	53.10 -5.73 0.00	58.87 -6.80 0.67	74.03 -8.70 2.34	96.20 -11.37 8.33	50.51 -5.25 0.00	58.39 -5.43 0.00	71.49 -5.90 0.00	63.19 -5.56 0.00
STEPHTWN_115KV_BK_2 55603	156.88 2.21 -111.96	152.20 2.26 -106.13	137.68 2.82 -82.31	141.46 2.90 -82.26	142.25 2.62 -87.43	107.86 3.02 -44.25	163.18 7.00 -5.37	167.30 6.78 0.00	125.59 5.32 -3.62	165.77 4.98 -59.13	161.21 7.05 -6.12	138.96 2.58 -87.61	117.85 3.13 -53.93	87.81 2.70 -34.74	87.14 3.31 -13.44	75.64 2.32 -24.73	118.57 2.65 -57.09	135.61 2.98 -66.30	150.59 3.81 -61.71	143.39 5.22 -22.27	125.18 2.68 -66.75	84.83 3.10 -17.92	80.85 3.47 0.00	91.02 3.40 -18.86
STEUBEN_REC_LFGE 323667	36.70 -3.37 2.64	46.49 -3.24 -5.92	52.69 -4.44 -4.59	56.10 -4.78 -4.58	53.11 -3.95 -4.87	58.48 -4.56 -2.46	139.67 -11.44 -0.30	147.34 -13.18 0.00	103.69 -10.61 2.35	52.55 -10.32 38.79	132.62 -13.43 1.99	61.37 -4.51 -17.10	65.64 -5.68 -10.53	51.85 -4.34 -5.82	64.09 -7.04 -0.75	45.08 -4.89 -1.38	56.10 -5.91 -3.18	63.31 -6.25 -3.22	74.80 -7.59 2.68	78.24 -9.35 28.31	54.95 -4.52 -3.71	60.51 -4.31 -1.00	72.62 -4.76 0.00	64.84 -4.96 -1.05
STILLWATER___SOLAR 323814	235.94 3.10 -190.13	246.03 3.17 -199.05	210.75 3.84 -154.37	214.57 3.99 -154.29	219.86 3.72 -163.94	147.88 4.32 -82.98	171.24 10.36 -10.07	171.40 10.88 0.00	131.30 7.87 -6.78	219.94 7.42 -110.86	165.30 10.94 -6.31	142.86 3.75 -90.34	121.10 4.70 -55.61	95.90 3.87 -41.66	100.88 5.29 -25.21	98.63 3.66 -46.38	170.10 4.23 -107.04	195.57 4.92 -124.31	206.96 6.18 -115.71	165.91 8.25 -41.76	184.90 3.99 -125.16	101.92 4.50 -33.60	82.62 5.23 0.00	108.78 4.65 -35.37
STONY___BROOK 24151	81.28 3.27 -35.30	66.10 3.08 -19.21	70.95 3.51 -14.90	74.72 3.54 -14.88	71.39 3.47 -15.72	73.27 4.72 -7.96	162.76 10.98 -0.97	172.97 12.45 0.00	125.53 8.22 -0.65	120.59 8.30 -10.63	166.86 13.59 -5.23	124.97 4.36 -71.85	110.22 5.20 -44.23	81.26 4.44 -26.45	80.05 6.06 -3.60	59.79 4.42 -6.77	73.62 4.53 -10.26	83.66 5.40 -11.92	103.21 7.05 -11.09	129.29 9.38 -4.01	72.27 4.52 -12.00	72.00 4.96 -3.22	90.35 6.18 -6.79	88.92 5.30 -14.86
STURGEON_POOL_HYD 23609	89.58 2.14 -44.73	75.91 2.13 -29.98	78.29 2.50 -23.25	82.06 2.54 -23.23	79.25 2.42 -24.62	76.19 3.14 -12.46	159.86 7.54 -1.51	168.96 8.44 0.00	123.44 5.77 -1.02	123.83 5.53 -16.64	161.91 8.74 -5.13	125.27 3.07 -73.43	109.81 3.81 -45.21	78.70 3.06 -25.27	78.27 4.10 -3.79	58.47 2.91 -6.96	77.90 2.99 -16.07	88.59 3.60 -18.65	106.84 4.42 -17.35	128.24 6.07 -6.26	77.55 3.02 -18.76	72.22 3.36 -5.04	81.06 3.68 0.00	77.18 3.12 -5.30
ST_LAW_115_BK7_LBMP 345037	42.46 -0.25 0.00	43.43 -0.37 0.00	51.94 -0.60 0.00	55.92 -0.38 0.00	51.88 -0.32 0.00	60.15 -0.44 0.00	150.48 -0.33 0.00	160.35 -0.17 0.00	116.65 -0.01 0.00	101.01 -0.66 0.00	146.96 -1.08 0.00	48.15 -0.62 0.00	59.94 -0.86 0.00	49.45 -0.92 0.00	69.43 -0.95 0.00	47.82 -0.77 0.00	58.24 -0.59 0.00	65.64 -0.70 0.00	84.46 -0.62 0.00	115.04 -0.86 0.00	55.28 -0.48 0.00	63.33 -0.49 0.00	77.27 -0.11 0.00	68.71 -0.04 0.00



ST_LAW_115_BK8_LBMP 345038	42.46 -0.25 0.00	43.43 -0.37 0.00	51.94 -0.60 0.00	55.92 -0.38 0.00	51.88 -0.32 0.00	60.15 -0.44 0.00	150.48 -0.33 0.00	160.35 -0.17 0.00	116.65 -0.01 0.00	101.01 -0.66 0.00	146.96 -1.08 0.00	48.15 -0.62 0.00	59.94 -0.86 0.00	49.45 -0.92 0.00	69.43 -0.95 0.00	47.82 -0.77 0.00	58.24 -0.59 0.00	65.64 -0.70 0.00	84.46 -0.62 0.00	115.04 -0.86 0.00	55.28 -0.48 0.00	63.33 -0.49 0.00	77.27 -0.11 0.00	68.71 -0.04 0.00
ST_LAW_230_BK5_LBMP 345035	42.45 -0.27 0.00	43.42 -0.39 0.00	51.94 -0.60 0.00	55.89 -0.40 0.00	51.87 -0.33 0.00	60.15 -0.44 0.00	150.36 -0.45 0.00	160.27 -0.25 0.00	116.65 -0.01 0.00	101.02 -0.65 0.00	146.96 -1.08 0.00	48.16 -0.61 0.00	59.95 -0.84 0.00	49.48 -0.90 0.00	69.42 -0.96 0.00	47.82 -0.77 0.00	58.23 -0.60 0.00	65.61 -0.73 0.00	84.43 -0.64 0.00	115.03 -0.88 0.00	55.26 -0.50 0.00	63.32 -0.50 0.00	77.19 -0.20 0.00	68.65 -0.11 0.00
ST_LAW_230_BK6_LBMP 345036	42.45 -0.27 0.00	43.42 -0.39 0.00	51.94 -0.60 0.00	55.89 -0.40 0.00	51.87 -0.33 0.00	60.15 -0.44 0.00	150.36 -0.45 0.00	160.27 -0.25 0.00	116.65 -0.01 0.00	101.02 -0.65 0.00	146.96 -1.08 0.00	48.16 -0.61 0.00	59.95 -0.84 0.00	49.48 -0.90 0.00	69.42 -0.96 0.00	47.82 -0.77 0.00	58.23 -0.60 0.00	65.61 -0.73 0.00	84.43 -0.64 0.00	115.03 -0.88 0.00	55.26 -0.50 0.00	63.32 -0.50 0.00	77.19 -0.20 0.00	68.65 -0.11 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	77.37 1.73 -32.94	63.38 1.70 -17.87	68.40 1.99 -13.86	72.16 2.01 -13.85	68.78 1.94 -14.63	70.56 2.57 -7.41	157.73 6.02 -0.90	167.22 6.70 0.00	121.69 4.43 -0.60	115.98 4.44 -9.87	159.72 6.99 -4.68	118.31 2.53 -67.01	105.22 3.18 -41.25	75.37 2.56 -22.43	76.08 3.45 -2.25	55.19 2.46 -4.14	70.85 2.46 -9.56	80.40 2.96 -11.10	98.99 3.59 -10.33	124.56 4.93 -3.73	69.43 2.50 -11.17	69.52 2.70 -3.00	80.28 2.90 0.00	74.44 2.53 -3.16
SWANROAD_115KV_TB1 355699	38.24 -4.82 -0.35	39.31 -4.50 0.00	47.16 -5.38 0.00	50.51 -5.78 0.00	47.05 -5.15 0.00	54.83 -5.76 0.00	133.99 -16.82 0.00	140.75 -19.77 0.00	101.42 -14.64 0.60	78.14 -13.48 10.04	126.66 -21.48 -0.11	54.05 -7.02 -12.29	59.97 -8.39 -7.57	48.03 -6.26 -3.91	61.18 -9.21 0.00	42.14 -6.46 0.00	50.79 -8.05 0.00	56.08 -9.55 0.70	70.78 -12.13 2.17	92.67 -16.06 7.17	48.16 -7.60 0.00	55.70 -8.12 0.00	68.67 -8.71 0.00	60.92 -7.83 0.00
SYNERGY___BIOGAS 323694	40.52 -2.72 -0.52	41.38 -2.43 0.00	49.57 -2.97 0.00	53.10 -3.20 0.00	49.51 -2.69 0.00	57.74 -2.85 0.00	142.20 -8.61 0.00	150.20 -10.32 0.00	108.25 -7.88 0.52	84.95 -8.03 8.68	135.31 -12.89 -0.15	56.20 -4.08 -11.50	63.23 -3.22 -7.08	50.81 -5.10 -3.66	65.28 -5.10 0.00	44.93 -3.66 0.00	54.49 -4.35 0.00	60.63 -4.99 0.72	76.78 -6.27 2.02	101.34 -8.30 6.26	51.80 -3.96 0.00	59.63 -4.19 0.00	73.03 -4.35 0.00	64.62 -4.14 0.00
SYRACUSE___ENERGY_ST1 323597	44.05 -1.01 -2.35	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.08 -1.12 0.00	59.39 -1.20 0.00	147.62 -3.19 0.00	156.96 -3.56 0.00	114.01 -2.64 0.00	99.32 -2.35 0.00	145.24 -3.41 -0.61	56.49 -1.04 -8.76	64.89 -1.30 -5.39	52.22 -0.93 -2.78	68.93 -1.45 0.00	47.59 -1.01 0.00	57.59 -1.25 0.00	64.74 -1.34 0.26	82.95 -1.82 0.30	113.42 -2.49 0.00	54.55 -1.21 0.00	62.46 -1.36 0.00	75.67 -1.72 0.00	67.03 -1.72 0.00
SYRACUSE___ENERGY_ST2 323598	44.05 -1.01 -2.35	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.08 -1.12 0.00	59.39 -1.20 0.00	147.62 -3.19 0.00	156.96 -3.56 0.00	114.01 -2.64 0.00	99.32 -2.35 0.00	145.24 -3.41 -0.61	56.49 -1.04 -8.76	64.89 -1.30 -5.39	52.22 -0.93 -2.78	68.93 -1.45 0.00	47.59 -1.01 0.00	57.59 -1.25 0.00	64.74 -1.34 0.26	82.95 -1.82 0.30	113.42 -2.49 0.00	54.55 -1.21 0.00	62.46 -1.36 0.00	75.67 -1.72 0.00	67.03 -1.72 0.00
SYRACUSE___POWER 24017	44.95 -0.98 -3.23	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.07 -1.13 0.00	59.33 -1.25 0.00	147.59 -3.22 0.00	156.97 -3.55 0.00	114.18 -2.64 -0.17	102.08 -2.34 -2.76	145.51 -3.37 -0.84	56.78 -1.03 -9.04	65.09 -1.27 -5.56	52.31 -0.93 -2.87	68.92 -1.46 0.00	47.60 -0.99 0.00	57.62 -1.21 0.00	64.59 -1.36 0.39	83.13 -1.86 0.09	115.35 -2.49 -1.94	54.54 -1.21 0.00	62.44 -1.38 0.00	75.65 -1.74 0.00	67.01 -1.74 0.00
TALLMAN___138KV_BK151 55660	78.30 1.77 -33.82	63.91 1.74 -18.36	68.79 2.01 -14.24	72.55 2.03 -14.22	69.22 1.99 -15.03	70.89 2.70 -7.61	158.01 6.28 -0.92	167.54 7.02 0.00	121.82 4.55 -0.62	116.41 4.59 -10.15	160.13 7.28 -4.81	120.30 2.67 -68.86	106.53 3.34 -42.39	76.14 2.71 -23.06	76.31 3.61 -2.31	55.43 2.58 -4.25	71.18 2.53 -9.81	80.79 3.06 -11.40	99.35 3.67 -10.61	124.79 5.06 -3.83	69.81 2.58 -11.47	69.69 2.79 -3.08	80.35 2.96 0.00	74.61 2.61 -3.24
TEALLAVE_115KV_TB7 355573	43.50 -1.30 -2.09	42.56 -1.24 0.00	51.04 -1.50 0.00	54.58 -1.71 0.00	50.70 -1.50 0.00	58.91 -1.68 0.00	146.49 -4.32 0.00	155.75 -4.77 0.00	113.14 -3.52 0.00	98.55 -3.12 0.00	144.10 -4.49 -0.54	55.17 -1.38 -7.78	63.86 -1.72 -4.79	51.56 -1.29 -2.47	68.45 -1.93 0.00	47.26 -1.34 0.00	57.18 -1.65 0.00	64.01 -1.89 0.45	82.01 -2.55 0.52	112.46 -3.44 0.00	54.10 -1.66 0.00	61.92 -1.90 0.00	75.05 -2.34 0.00	66.50 -2.25 0.00
TELGRAPH_34_KV_EAST 80808	39.31 -3.84 -0.44	40.29 -3.52 0.00	48.31 -4.23 0.00	51.74 -4.56 0.00	48.22 -3.98 0.00	56.19 -4.39 0.00	137.95 -12.87 0.00	145.27 -15.25 0.00	104.71 -11.39 0.55	81.65 -10.77 9.24	130.94 -17.24 -0.14	55.09 -5.54 -11.86	61.68 -6.41 -7.30	49.52 -4.63 -3.77	63.37 -7.02 0.00	43.65 -4.95 0.00	52.74 -6.10 0.00	58.37 -7.26 0.71	73.83 -9.16 2.09	97.09 -12.12 6.69	50.01 -5.75 0.00	57.73 -6.09 0.00	70.92 -6.47 0.00	62.82 -5.94 0.00
TEMPLE___115KV_TB 2 55572	43.54 -1.28 -2.12	42.58 -1.23 0.00	51.05 -1.49 0.00	54.61 -1.68 0.00	50.71 -1.49 0.00	58.93 -1.66 0.00	146.52 -4.29 0.00	155.82 -4.70 0.00	113.20 -3.46 0.00	98.60 -3.06 0.00	144.14 -4.45 -0.55	55.28 -1.37 -7.88	63.95 -1.69 -4.85	51.62 -1.25 -2.50	68.46 -1.92 0.00	47.28 -1.32 0.00	57.20 -1.64 0.00	64.03 -1.86 0.45	82.07 -2.49 0.52	112.50 -3.40 0.00	54.11 -1.65 0.00	61.96 -1.86 0.00	75.06 -2.33 0.00	66.52 -2.23 0.00
TIANA____69_KV_BK 1 55817	81.36 3.34 -35.30	66.16 3.15 -19.21	70.99 3.55 -14.90	74.77 3.59 -14.88	71.48 3.55 -15.72	73.39 4.84 -7.96	162.49 10.71 -0.97	173.36 12.84 0.00	125.63 8.33 -0.65	120.93 8.63 -10.63	167.32 14.05 -5.23	124.74 4.13 -71.85	109.74 4.72 -44.23	80.82 4.00 -26.44	79.44 5.45 -3.60	59.40 4.03 -6.77	73.43 4.33 -10.26	83.50 5.24 -11.92	103.03 6.86 -11.09	129.00 9.09 -4.01	72.06 4.30 -12.00	71.77 4.73 -3.22	90.47 6.30 -6.79	88.98 5.36 -14.86
TILDEN___115KV_TB1 80814	44.95 -0.98 -3.23	42.87 -0.93 0.00	51.41 -1.13 0.00	54.97 -1.32 0.00	51.07 -1.13 0.00	59.33 -1.25 0.00	147.59 -3.22 0.00	156.97 -3.55 0.00	114.18 -2.64 -0.17	102.08 -2.34 -2.76	145.51 -3.37 -0.84	56.78 -1.03 -9.04	65.09 -1.27 -5.56	52.31 -0.93 -2.87	68.92 -1.46 0.00	47.60 -0.99 0.00	57.62 -1.21 0.00	64.59 -1.36 0.39	83.13 -1.86 0.09	115.35 -2.49 -1.94	54.54 -1.21 0.00	62.44 -1.38 0.00	75.65 -1.74 0.00	67.01 -1.74 0.00



TRIGEN___CC 323695	80.63 2.62 -35.30	65.53 2.52 -19.21	70.31 2.87 -14.90	74.06 2.88 -14.88	70.73 2.81 -15.72	72.37 3.83 -7.96	160.96 9.19 -0.97	170.75 10.23 0.00	124.50 7.20 -0.65	119.33 7.03 -10.63	164.23 10.96 -5.23	124.44 3.82 -71.85	109.69 4.67 -44.23	80.76 3.94 -26.44	79.30 5.32 -3.60	59.17 3.80 -6.77	72.86 3.77 -10.26	82.70 4.45 -11.92	101.84 5.66 -11.09	127.50 7.60 -4.01	71.48 3.72 -12.00	71.11 4.07 -3.22	88.85 4.67 -6.79	87.74 4.13 -14.86
TRINITY___115KV___4 BK 55933	160.16 1.76 -115.69	156.18 1.83 -110.54	140.55 2.28 -85.73	144.35 2.38 -85.68	145.34 2.08 -91.06	109.08 2.41 -46.09	161.74 5.33 -5.59	165.59 5.07 0.00	124.33 3.91 -3.77	167.06 3.81 -61.58	159.63 5.45 -6.13	138.57 1.99 -87.81	117.36 2.51 -54.06	87.65 2.19 -35.09	87.20 2.81 -14.00	76.29 1.94 -25.76	120.37 2.08 -59.46	137.57 2.18 -69.05	152.02 2.67 -64.27	142.77 3.67 -23.20	127.33 2.05 -69.52	84.76 2.28 -18.66	79.96 2.58 0.00	91.09 2.69 -19.65
UNION___PROCESSING_DRP 323587	40.86 -2.64 -0.79	41.38 -2.43 0.00	49.62 -2.92 0.00	53.12 -3.17 0.00	49.46 -2.75 0.00	57.58 -3.01 0.00	142.49 -8.32 0.00	150.80 -9.71 0.00	108.90 -7.35 0.41	87.66 -7.16 6.84	137.09 -11.16 -0.21	55.60 -3.50 -10.32	62.92 -4.23 -6.36	50.55 -3.11 -3.28	65.70 -4.69 0.00	45.27 -3.32 0.00	54.79 -4.04 0.00	60.90 -4.69 0.75	77.25 -6.04 1.79	102.97 -8.09 4.84	51.90 -3.86 0.00	59.70 -4.12 0.00	72.86 -4.53 0.00	64.56 -4.20 0.00
UPPER HUDSON___HYD 24058	244.66 4.03 -197.92	256.16 4.11 -208.24	218.98 4.93 -161.50	222.86 5.16 -161.41	228.56 4.86 -171.50	153.10 5.71 -86.80	175.18 13.84 -10.53	175.06 14.54 0.00	134.46 10.71 -7.09	227.54 9.90 -115.97	169.10 14.72 -6.34	144.59 5.01 -90.81	122.97 6.28 -55.90	97.83 5.05 -42.40	103.59 6.84 -26.37	101.82 4.72 -48.51	176.32 5.51 -111.98	202.76 6.38 -130.04	214.20 8.08 -121.05	170.32 10.73 -43.69	191.78 5.09 -130.93	104.83 5.86 -35.15	84.21 6.82 0.00	111.71 5.96 -37.00
UPPER RAQUET___HYD 24056	43.41 0.37 -0.33	44.03 0.23 0.00	52.58 0.04 0.00	56.59 0.30 0.00	52.47 0.27 0.00	60.74 0.15 0.00	152.84 2.03 0.00	161.68 1.16 0.00	117.07 0.41 0.00	101.21 -0.46 0.00	148.23 0.10 -0.09	49.81 -0.19 -1.23	61.10 -0.44 -0.75	50.10 -0.66 -0.39	70.24 -0.14 0.00	48.05 -0.54 0.00	58.37 -0.46 0.00	65.73 -0.61 0.00	84.33 -0.75 0.00	114.83 -1.07 0.00	55.17 -0.59 0.00	63.49 -0.33 0.00	78.03 0.64 0.00	69.19 0.44 0.00
VALLEY44_115KV_TB2 355964	44.99 -1.87 -4.16	47.01 -1.65 -4.85	54.44 -1.86 -3.76	58.00 -2.05 -3.76	54.63 -1.56 -3.98	60.67 -1.94 -2.02	144.23 -6.83 -0.24	152.37 -8.14 0.00	109.14 -6.90 0.62	84.99 -6.34 10.33	138.60 -9.46 -0.02	60.13 -3.09 -14.45	66.12 -3.58 -8.90	52.76 -2.52 -4.91	67.15 -3.84 -0.61	46.79 -2.93 -1.13	57.78 -3.66 -2.61	64.21 -4.53 -2.40	79.49 -5.95 -0.37	100.60 -7.16 8.15	55.34 -3.47 -3.05	61.58 -3.06 -0.82	74.30 -3.09 0.00	66.76 -2.86 -0.86
VALLEY___115KV_TB 1-4 80826	43.67 0.96 0.00	44.79 0.98 0.00	53.80 1.26 0.00	57.53 1.24 0.00	53.41 1.21 0.00	61.92 1.33 0.00	154.07 3.26 0.00	164.14 3.62 0.00	119.83 3.17 0.00	105.41 3.74 0.00	153.39 5.35 0.00	50.61 1.84 0.00	63.09 2.30 0.00	52.36 1.98 0.00	72.52 2.13 0.00	49.98 1.38 0.00	60.50 1.66 0.00	68.39 2.05 0.00	87.62 2.54 0.00	119.23 3.32 0.00	57.39 1.63 0.00	65.73 1.91 0.00	79.35 1.96 0.00	70.50 1.74 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	77.48 2.51 -32.26	74.96 2.61 -28.54	77.89 3.21 -22.14	81.79 3.38 -22.12	78.84 3.16 -23.48	76.38 3.91 -11.88	161.22 8.97 -1.44	169.92 9.40 0.00	124.46 6.84 -0.97	123.89 6.35 -15.88	159.42 9.18 -2.20	83.36 3.05 -31.54	83.94 3.73 -19.42	65.29 3.05 -11.87	77.97 3.98 -3.61	57.99 2.75 -6.64	77.42 3.26 -15.33	87.92 3.94 -17.64	106.46 5.00 -16.38	128.84 6.96 -5.98	77.10 3.42 -17.93	72.43 3.80 -4.81	81.89 4.50 0.00	77.67 3.85 -5.07
VISCHER___FERRY HYD 24020	209.03 2.43 -163.90	214.33 2.50 -168.02	185.87 3.01 -130.31	189.66 3.12 -130.24	193.49 2.87 -138.42	133.92 3.27 -70.06	166.86 7.54 -8.50	168.29 7.77 0.00	127.96 5.58 -5.73	200.79 5.52 -93.61	162.30 8.05 -6.21	140.58 2.87 -88.94	119.18 3.63 -54.75	92.62 3.06 -39.19	95.79 4.12 -21.28	90.62 2.87 -39.16	152.43 3.22 -90.38	174.96 3.67 -104.96	187.32 4.54 -97.70	157.23 6.07 -35.26	164.47 3.03 -105.67	95.59 3.40 -28.37	81.31 3.93 0.00	102.24 3.62 -29.86
V_A_10_SYNC_DSASP 323832	39.37 -3.94 -0.60	40.16 -3.65 0.00	48.17 -4.37 0.00	51.58 -4.71 0.00	48.05 -4.14 0.00	55.87 -4.72 0.00	137.43 -13.38 0.00	144.87 -15.65 0.00	104.38 -11.76 0.51	81.98 -11.22 8.46	130.93 -17.26 -0.15	54.56 -5.50 -11.29	61.01 -6.73 -6.95	48.87 -5.09 -3.59	62.89 -7.49 0.00	43.29 -5.30 0.00	52.30 -6.53 0.00	57.89 -7.70 0.75	73.15 -9.94 1.99	96.66 -13.29 5.95	49.49 -6.26 0.00	57.17 -6.65 0.00	70.13 -7.25 0.00	62.24 -6.51 0.00
V_CMM_10_SYNC_DSASP 323787	42.54 -0.17 0.00	43.64 -0.16 0.00	52.19 -0.36 0.00	56.17 -0.12 0.00	52.13 -0.07 0.00	60.45 -0.14 0.00	151.23 0.42 0.00	160.99 0.47 0.00	116.86 0.21 0.00	101.15 -0.52 0.00	147.23 -0.81 0.00	48.23 -0.54 0.00	60.12 -0.67 0.00	49.64 -0.73 0.00	69.72 -0.66 0.00	48.06 -0.53 0.00	58.53 -0.31 0.00	65.98 -0.36 0.00	84.89 -0.18 0.00	115.62 -0.29 0.00	55.55 -0.20 0.00	63.65 -0.17 0.00	77.66 0.28 0.00	69.06 0.30 0.00
V_CMP_10_SYNC_DSASP 323788	42.75 0.05 0.00	43.62 -0.19 0.00	52.29 -0.26 0.00	56.55 0.26 0.00	52.83 0.63 0.00	60.95 0.36 0.00	151.79 0.98 0.00	161.89 1.37 0.00	118.65 1.99 0.00	103.00 1.33 0.00	149.15 1.11 0.00	48.72 -0.05 0.00	60.43 -0.36 0.00	49.51 -0.86 0.00	69.41 -0.97 0.00	24.43 -1.19 22.97	-28.49 -1.14 86.19	-22.67 -1.25 87.77	-30.74 -1.35 114.46	8.16 -1.97 105.77	41.91 -0.98 12.86	20.32 -1.15 42.35	-13.71 -0.94 90.15	34.76 -0.57 33.42
V_D_10_SYNC_DSASP 323841	42.97 0.26 0.00	43.93 0.12 0.00	52.42 -0.12 0.00	56.43 0.14 0.00	52.36 0.16 0.00	60.71 0.12 0.00	152.21 1.40 0.00	161.82 1.30 0.00	117.75 1.10 0.00	101.92 0.25 0.00	148.44 0.40 0.00	48.66 -0.11 0.00	60.55 -0.24 0.00	49.95 -0.43 0.00	70.16 -0.22 0.00	48.29 -0.30 0.00	58.82 -0.01 0.00	66.25 -0.08 0.00	85.23 0.16 0.00	116.07 0.17 0.00	55.77 0.01 0.00	63.94 0.12 0.00	78.08 0.70 0.00	69.32 0.57 0.00
V_E_10_SYNC_DSASP 323830	66.10 0.88 -22.51	57.91 0.82 -13.28	63.79 0.95 -10.29	67.66 1.08 -10.29	64.28 1.16 -10.92	67.59 1.47 -5.53	156.05 4.57 -0.67	166.34 5.82 0.00	122.39 4.19 -1.55	131.11 3.97 -25.47	156.29 5.26 -2.98	73.32 1.41 -23.13	77.52 2.49 -14.24	61.39 2.81 -8.21	73.87 1.81 -1.68	52.68 1.00 -3.09	67.83 1.86 -7.13	76.66 2.31 -8.01	98.04 3.17 -9.79	135.68 4.29 -15.49	66.03 1.94 -8.33	68.04 1.99 -2.24	79.41 2.03 0.00	72.54 1.43 -2.35
V_F_30_NSYNC___DSASP 323816	239.43 3.10 -193.62	250.16 3.18 -203.17	213.96 3.85 -157.57	217.78 4.01 -157.48	223.26 3.73 -167.32	149.63 4.35 -84.69	171.49 10.41 -10.28	171.54 11.02 0.00	131.53 7.95 -6.92	222.29 7.47 -113.15	165.38 11.01 -6.32	143.09 3.77 -90.55	121.26 4.73 -55.74	96.26 3.89 -41.99	101.42 5.31 -25.73	99.60 3.67 -47.33	172.34 4.26 -109.25	198.16 4.95 -126.87	209.39 6.21 -118.10	166.84 8.31 -42.62	187.51 4.01 -127.74	102.63 4.52 -34.29	82.65 5.27 0.00	109.52 4.66 -36.10



V_F_30_SYNC_DSASP 323786	179.99 1.89 -135.40	179.74 1.98 -133.95	158.88 2.45 -103.89	162.68 2.55 -103.83	164.78 2.25 -110.33	119.05 2.62 -55.85	163.52 5.93 -6.78	166.25 5.73 0.00	125.65 4.43 -4.56	180.49 4.21 -74.61	160.28 6.06 -6.18	139.50 2.19 -88.53	118.06 2.77 -54.50	89.60 2.39 -36.84	90.44 3.10 -16.97	81.95 2.14 -31.21	133.21 2.33 -72.04	152.47 2.47 -83.66	166.01 3.06 -77.88	148.20 4.19 -28.11	142.28 2.29 -84.23	88.97 2.54 -22.61	80.26 2.88 0.00	95.48 2.93 -23.81
V_XM_10_SYNC_DSASP 323789	42.75 0.05 0.00	43.62 -0.19 0.00	52.29 -0.26 0.00	56.55 0.26 0.00	52.83 0.63 0.00	60.95 0.36 0.00	151.79 0.98 0.00	161.89 1.37 0.00	118.65 1.99 0.00	103.00 1.33 0.00	149.15 1.11 0.00	48.72 -0.05 0.00	60.43 -0.36 0.00	49.51 -0.86 0.00	69.41 -0.97 0.00	24.43 -1.19 22.97	-28.49 -1.14 86.19	-22.67 -1.25 87.77	-30.74 -1.35 114.46	8.16 -1.97 105.77	41.91 -0.98 12.86	20.32 -1.15 42.35	-13.71 -0.94 90.15	34.76 -0.57 33.42
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	78.65 1.92 -34.02	64.18 1.90 -18.47	69.06 2.19 -14.33	72.83 2.23 -14.31	69.50 2.18 -15.13	71.15 2.90 -7.65	158.58 6.84 -0.93	168.18 7.66 0.00	122.30 5.02 -0.63	116.89 5.00 -10.22	160.76 7.88 -4.84	120.91 2.87 -69.27	107.04 3.60 -42.64	76.48 2.92 -23.19	76.62 3.91 -2.32	55.66 2.79 -4.28	71.49 2.78 -9.87	81.15 3.35 -11.46	99.79 4.05 -10.67	125.33 5.57 -3.85	70.12 2.82 -11.54	69.97 3.05 -3.10	80.67 3.28 0.00	74.89 2.88 -3.26
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	80.27 2.26 -35.31	65.23 2.22 -19.21	69.99 2.55 -14.90	73.75 2.57 -14.88	70.44 2.51 -15.72	71.88 3.33 -7.96	159.74 7.96 -0.97	169.56 9.04 0.00	123.42 6.11 -0.65	118.29 5.98 -10.63	162.48 9.42 -5.02	123.99 3.36 -71.86	109.21 4.18 -44.23	77.85 3.41 -24.06	77.35 4.55 -2.42	56.28 3.24 -4.45	72.30 3.20 -10.26	82.06 3.79 -11.92	100.78 4.61 -11.09	126.14 6.24 -4.01	70.91 3.15 -12.00	70.49 3.45 -3.22	81.07 3.69 0.00	75.39 3.25 -3.39
W50THST__13_KV_LOAD 356117	80.60 2.58 -35.31	65.55 2.53 -19.21	70.33 2.89 -14.90	74.11 2.93 -14.88	70.77 2.85 -15.72	72.30 3.76 -7.96	160.86 9.08 -0.97	170.92 10.40 0.00	124.48 7.17 -0.65	119.25 6.95 -10.63	163.92 10.86 -5.02	124.48 3.85 -71.86	109.83 4.80 -44.23	78.35 3.92 -24.06	78.05 5.25 -2.42	56.74 3.70 -4.45	72.84 3.74 -10.26	82.65 4.39 -11.92	101.51 5.34 -11.09	127.11 7.20 -4.01	71.35 3.59 -12.00	70.98 3.94 -3.22	81.64 4.25 0.00	75.90 3.75 -3.39
WADING RIVER_IC_1 23522	81.28 3.27 -35.30	66.08 3.07 -19.21	70.92 3.48 -14.90	74.68 3.50 -14.88	71.38 3.46 -15.72	73.27 4.72 -7.96	162.47 10.69 -0.97	172.93 12.41 0.00	124.83 7.52 -0.65	120.33 8.03 -10.63	166.77 13.50 -5.23	124.49 3.88 -71.85	109.56 4.53 -44.23	80.69 3.87 -26.45	79.24 5.25 -3.60	59.25 3.88 -6.77	73.11 4.02 -10.26	83.13 4.87 -11.92	102.53 6.36 -11.09	128.36 8.45 -4.01	71.82 4.06 -12.00	71.51 4.47 -3.22	90.35 6.18 -6.79	88.88 5.26 -14.86
WADING RIVER_IC_2 23547	81.28 3.27 -35.30	66.08 3.07 -19.21	70.92 3.48 -14.90	74.68 3.50 -14.88	71.38 3.46 -15.72	73.27 4.72 -7.96	162.47 10.69 -0.97	172.93 12.41 0.00	124.83 7.52 -0.65	120.33 8.03 -10.63	166.77 13.50 -5.23	124.49 3.88 -71.85	109.56 4.53 -44.23	80.69 3.87 -26.45	79.24 5.25 -3.60	59.25 3.88 -6.77	73.11 4.02 -10.26	83.13 4.87 -11.92	102.53 6.36 -11.09	128.36 8.45 -4.01	71.82 4.06 -12.00	71.51 4.47 -3.22	90.35 6.18 -6.79	88.88 5.26 -14.86
WADING RIVER_IC_3 23601	81.28 3.27 -35.30	66.08 3.07 -19.21	70.92 3.48 -14.90	74.68 3.50 -14.88	71.38 3.46 -15.72	73.27 4.72 -7.96	162.47 10.69 -0.97	172.93 12.41 0.00	124.83 7.52 -0.65	120.33 8.03 -10.63	166.77 13.50 -5.23	124.49 3.88 -71.85	109.56 4.53 -44.23	80.69 3.87 -26.45	79.24 5.25 -3.60	59.25 3.88 -6.77	73.11 4.02 -10.26	83.13 4.87 -11.92	102.53 6.36 -11.09	128.36 8.45 -4.01	71.82 4.06 -12.00	71.51 4.47 -3.22	90.35 6.18 -6.79	88.88 5.26 -14.86
WALDENNY_12_KV_BK2 80841	39.60 -3.27 -0.17	40.77 -3.04 0.00	48.86 -3.68 0.00	52.32 -3.98 0.00	48.76 -3.45 0.00	56.77 -3.82 0.00	139.53 -11.28 0.00	146.94 -13.58 0.00	105.81 -10.15 0.70	80.37 -9.74 11.55	132.96 -15.13 -0.04	57.03 -4.83 -13.09	63.04 -5.81 -8.06	50.35 -4.20 -4.17	63.93 -6.45 0.00	44.01 -4.59 0.00	53.13 -5.70 0.00	58.85 -6.82 0.67	74.11 -8.64 2.32	96.44 -11.26 8.20	50.49 -5.27 0.00	58.35 -5.47 0.00	71.51 -5.88 0.00	63.24 -5.51 0.00
WALDEN__HYDRO 24148	79.55 2.05 -34.79	65.15 2.04 -19.30	69.90 2.39 -14.97	73.67 2.43 -14.96	70.34 2.33 -15.81	71.60 3.01 -8.00	159.02 7.23 -0.97	168.52 8.00 0.00	122.28 4.98 -0.64	117.05 4.90 -10.49	160.48 7.66 -4.77	119.82 2.74 -68.32	106.28 3.43 -42.06	76.06 2.76 -22.92	76.81 4.00 -2.43	55.91 2.84 -4.47	72.09 2.94 -10.32	81.86 3.54 -11.98	100.58 4.35 -11.15	125.90 5.97 -4.02	70.82 3.00 -12.06	70.33 3.27 -3.24	80.93 3.55 0.00	75.24 3.08 -3.41
WARRENSBURG____ 23737	244.66 4.03 -197.92	256.16 4.11 -208.24	218.98 4.93 -161.50	222.86 5.16 -161.41	228.56 4.86 -171.50	153.10 5.71 -86.80	175.18 13.84 -10.53	175.06 14.54 0.00	134.46 10.71 -7.09	227.54 9.90 -115.97	169.10 14.72 -6.34	144.59 5.01 -90.81	122.97 6.28 -55.90	97.83 5.05 -42.40	103.59 6.84 -26.37	101.82 4.72 -48.51	176.32 5.51 -111.98	202.76 6.38 -130.04	214.20 8.08 -121.05	170.32 10.73 -43.69	191.78 5.09 -130.93	104.83 5.86 -35.15	84.21 6.82 0.00	111.71 5.96 -37.00
WATERSIDE____6 8 9 23538	80.38 2.37 -35.30	65.13 2.35 -18.97	70.14 2.69 -14.90	73.90 2.72 -14.88	70.57 2.64 -15.72	72.05 3.51 -7.96	160.31 8.54 -0.97	170.11 9.59 0.00	123.73 6.42 -0.65	118.62 6.32 -10.63	163.03 9.96 -5.02	124.18 3.54 -71.87	109.42 4.39 -44.24	77.84 3.56 -23.90	77.46 4.76 -2.31	54.72 3.40 -2.73	72.41 3.31 -10.26	82.19 3.93 -11.92	100.87 4.75 -11.05	123.07 6.45 -0.72	70.90 3.26 -11.89	70.29 3.54 -2.93	81.15 3.78 0.01	75.53 3.38 -3.39
WATKINRD_115KV_LN8_ILLION 55919	43.58 0.87 0.00	44.70 0.89 0.00	53.66 1.12 0.00	57.40 1.10 0.00	53.25 1.05 0.00	61.76 1.17 0.00	153.64 2.84 0.00	163.60 3.08 0.00	119.15 2.50 0.00	104.48 2.82 0.00	152.01 3.97 0.00	50.16 1.38 0.00	62.54 1.75 0.00	51.88 1.51 0.00	72.10 1.71 0.00	49.74 1.15 0.00	60.20 1.37 0.00	68.00 1.66 0.00	87.11 2.04 0.00	118.57 2.66 0.00	57.10 1.34 0.00	65.35 1.53 0.00	78.93 1.55 0.00	70.15 1.40 0.00
WATSON__69_KV_BK 1 55734	81.66 3.65 -35.30	66.49 3.48 -19.21	71.45 4.01 -14.90	75.25 4.08 -14.88	71.90 3.98 -15.72	73.83 5.28 -7.96	164.35 12.57 -0.97	174.37 13.85 0.00	127.25 9.95 -0.65	121.91 9.61 -10.63	168.18 14.91 -5.23	125.55 4.94 -71.85	111.01 5.99 -44.23	81.96 5.15 -26.44	80.99 7.00 -3.60	60.44 5.08 -6.77	74.41 5.31 -10.26	84.47 6.21 -11.92	104.24 8.07 -11.09	130.70 10.79 -4.01	72.93 5.17 -12.00	72.74 5.70 -3.22	91.01 6.84 -6.79	89.49 5.87 -14.86
WDELAWARE__HYD 323627	79.23 1.68 -34.84	66.14 1.64 -20.68	70.53 1.94 -16.04	74.28 1.96 -16.03	71.07 1.90 -16.96	71.66 2.48 -8.59	157.97 6.12 -1.04	167.47 6.95 0.00	122.00 4.64 -0.70	117.63 4.54 -11.42	159.49 6.90 -4.55	116.25 2.29 -65.18	103.88 2.96 -40.13	74.74 2.34 -22.04	76.34 3.34 -2.61	55.79 2.40 -4.80	72.33 2.42 -11.07	82.21 3.01 -12.86	100.81 3.77 -11.96	125.35 5.13 -4.32	71.27 2.57 -12.94	70.03 2.74 -3.47	80.29 2.91 0.00	74.86 2.45 -3.66



WEST BABYLON___IC 23714	81.42 3.40 -35.30	66.28 3.26 -19.21	71.17 3.73 -14.90	74.95 3.78 -14.88	71.62 3.70 -15.72	73.48 4.93 -7.96	163.62 11.85 -0.97	173.57 13.05 0.00	126.68 9.37 -0.65	121.34 9.04 -10.63	167.33 14.06 -5.23	125.30 4.69 -71.85	110.71 5.69 -44.23	81.67 4.86 -26.44	80.62 6.63 -3.60	60.17 4.80 -6.77	74.03 4.94 -10.26	84.05 5.79 -11.92	103.71 7.54 -11.09	130.00 10.09 -4.01	72.63 4.87 -12.00	72.41 5.36 -3.22	90.55 6.37 -6.79	89.14 5.52 -14.86
WEST CANADA___HYD 24049	43.08 0.37 0.00	44.22 0.41 0.00	53.07 0.53 0.00	56.79 0.50 0.00	52.63 0.43 0.00	61.11 0.52 0.00	151.98 1.17 0.00	161.69 1.18 0.00	117.48 0.83 0.00	102.61 0.94 0.00	149.38 1.33 0.00	49.31 0.54 0.00	61.46 0.67 0.00	50.94 0.57 0.00	71.16 0.77 0.00	49.16 0.57 0.00	59.42 0.59 0.00	66.99 0.65 0.00	85.83 0.75 0.00	116.86 0.96 0.00	56.26 0.50 0.00	64.33 0.50 0.00	77.92 0.54 0.00	69.24 0.49 0.00
WESTERN_NY_WIND 24143	40.38 -2.83 -0.50	41.28 -2.53 0.00	49.47 -3.07 0.00	52.99 -3.30 0.00	49.40 -2.80 0.00	57.63 -2.96 0.00	141.90 -8.91 0.00	149.83 -10.69 0.00	108.03 -8.10 0.53	84.68 -8.12 8.86	134.94 -13.25 -0.15	56.19 -4.20 -11.61	63.17 -4.77 -7.15	50.75 -3.32 -3.70	65.12 -5.26 0.00	44.83 -3.77 0.00	54.34 -4.49 0.00	60.45 -5.17 0.72	76.52 -6.51 2.04	100.93 -8.58 6.39	51.67 -4.09 0.00	59.50 -4.32 0.00	72.88 -4.51 0.00	64.48 -4.27 0.00
WESTOVER___LESR 323668	54.10 -0.58 -11.97	52.18 -0.51 -8.88	58.90 -0.53 -6.89	62.46 -0.72 -6.89	58.99 -0.51 -7.30	63.63 -0.65 -3.70	149.17 -2.09 -0.45	158.19 -2.33 0.00	114.72 -1.85 0.09	98.48 -1.67 1.52	147.21 -2.02 -1.18	72.17 -0.54 -23.94	74.90 -0.63 -14.74	58.11 -0.44 -8.18	70.56 -0.95 -1.12	49.92 -0.74 -2.06	62.71 -0.89 -4.76	70.57 -1.00 -5.23	87.59 -1.43 -3.95	111.52 -1.72 2.66	60.49 -0.83 -5.57	64.52 -0.80 -1.50	76.33 -1.05 0.00	69.21 -1.12 -1.58
WETHRSFD_WT_PWR 323626	42.67 -3.28 -3.24	45.26 -3.48 -4.94	51.75 -4.62 -3.83	55.08 -5.04 -3.82	51.86 -4.39 -4.06	57.79 -4.85 -2.05	137.66 -13.40 -0.25	144.70 -15.82 0.00	104.12 -11.70 0.84	76.68 -11.12 13.87	133.07 -14.74 0.24	58.79 -4.62 -14.64	64.28 -5.52 -9.01	51.24 -4.12 -4.98	63.78 -7.23 -0.63	44.49 -5.26 -1.15	55.17 -6.33 -2.66	61.62 -7.20 -2.49	76.24 -8.81 0.03	94.27 -10.95 10.68	53.72 -5.16 -3.12	59.18 -5.48 -0.84	70.95 -6.43 0.00	63.38 -6.25 -0.88
WHAVSTOR_138KV_BK127 55557	78.50 1.73 -34.06	64.01 1.71 -18.50	68.85 1.96 -14.35	72.60 1.98 -14.33	69.27 1.93 -15.14	70.88 2.62 -7.66	157.83 6.09 -0.93	167.34 6.82 0.00	121.71 4.43 -0.63	116.38 4.49 -10.23	160.01 7.13 -4.84	120.74 2.61 -69.35	106.76 3.27 -42.69	76.26 2.67 -23.22	76.25 3.54 -2.33	55.42 2.54 -4.28	71.18 2.46 -9.89	80.80 2.98 -11.48	99.35 3.59 -10.69	124.68 4.93 -3.86	69.84 2.52 -11.56	69.65 2.72 -3.10	80.27 2.88 0.00	74.57 2.55 -3.27
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	78.50 1.73 -34.06	64.01 1.71 -18.50	68.85 1.96 -14.35	72.60 1.98 -14.33	69.27 1.93 -15.14	70.88 2.62 -7.66	157.83 6.09 -0.93	167.34 6.82 0.00	121.71 4.43 -0.63	116.38 4.49 -10.23	160.01 7.13 -4.84	120.74 2.61 -69.35	106.76 3.27 -42.69	76.26 2.67 -23.22	76.25 3.54 -2.33	55.42 2.54 -4.28	71.18 2.46 -9.89	80.80 2.98 -11.48	99.35 3.59 -10.69	124.68 4.93 -3.86	69.84 2.52 -11.56	69.65 2.72 -3.10	80.27 2.88 0.00	74.57 2.55 -3.27
WHITEHAL_115KV_TB1 80871	244.01 5.16 -196.14	255.21 5.27 -206.14	218.63 6.22 -159.86	222.51 6.44 -159.78	228.18 6.21 -169.76	153.89 7.38 -85.92	178.20 16.97 -10.43	177.97 17.45 0.00	136.79 13.12 -7.02	228.77 12.30 -114.80	173.05 18.67 -6.34	146.37 6.90 -90.70	125.44 8.81 -55.84	99.56 6.96 -42.23	105.62 9.13 -26.10	102.80 6.19 -48.02	176.81 7.13 -110.84	203.20 8.14 -128.72	215.42 10.52 -119.82	172.69 13.55 -43.24	191.64 6.27 -129.60	105.93 7.31 -34.79	86.05 8.67 0.00	112.53 7.15 -36.63
WHITEPLN_13_KV_LOAD 356215	80.53 2.60 -35.22	65.54 2.57 -19.16	70.37 2.97 -14.86	74.16 3.02 -14.84	70.80 2.91 -15.69	72.32 3.79 -7.94	160.99 9.22 -0.96	170.97 10.45 0.00	124.52 7.21 -0.65	119.18 6.90 -10.61	163.78 10.73 -5.01	124.24 3.80 -71.66	109.65 4.74 -44.11	78.24 3.86 -24.00	77.99 5.20 -2.41	56.70 3.67 -4.44	72.86 3.79 -10.24	82.74 4.51 -11.89	101.70 5.56 -11.07	127.40 7.50 -4.00	71.46 3.73 -11.97	71.12 4.09 -3.21	81.86 4.47 0.00	76.02 3.89 -3.38
WM_FLOYD_69_KV_BK2 356380	81.33 3.32 -35.30	66.14 3.13 -19.21	70.98 3.54 -14.90	74.76 3.59 -14.88	71.45 3.53 -15.72	73.34 4.80 -7.96	162.69 10.92 -0.97	173.16 12.64 0.00	125.60 8.29 -0.65	120.79 8.49 -10.63	167.06 13.78 -5.23	124.81 4.20 -71.85	109.98 4.96 -44.23	81.01 4.19 -26.44	79.71 5.73 -3.60	59.58 4.21 -6.77	73.49 4.39 -10.26	83.53 5.27 -11.92	103.05 6.89 -11.09	129.08 9.18 -4.01	72.15 4.39 -12.00	71.86 4.82 -3.22	90.43 6.25 -6.79	88.97 5.35 -14.86
WOODARD___115KV_TB2 355635	43.52 -1.33 -2.14	42.53 -1.28 0.00	51.00 -1.54 0.00	54.56 -1.73 0.00	50.66 -1.54 0.00	58.86 -1.73 0.00	146.34 -4.47 0.00	155.61 -4.91 0.00	113.04 -3.61 0.00	98.50 -3.17 0.00	143.99 -4.61 -0.56	55.29 -1.43 -7.95	63.90 -1.78 -4.89	51.56 -1.34 -2.53	68.39 -2.00 0.00	47.22 -1.38 0.00	57.14 -1.70 0.00	64.03 -1.92 0.39	82.05 -2.58 0.45	112.38 -3.52 0.00	54.05 -1.71 0.00	61.89 -1.93 0.00	74.98 -2.41 0.00	66.46 -2.29 0.00
YORK___WARBASSE 23770	80.76 2.67 -35.37	66.85 2.65 -20.39	70.45 3.01 -14.90	74.22 3.04 -14.88	70.87 2.94 -15.72	72.44 3.90 -7.96	161.15 9.37 -0.97	170.94 10.42 0.00	124.29 6.98 -0.65	119.17 6.86 -10.64	163.66 10.60 -5.02	124.40 3.75 -71.88	109.69 4.64 -44.26	79.11 3.86 -24.88	78.44 5.14 -2.92	65.20 3.72 -12.88	72.71 3.61 -10.26	82.53 4.27 -11.92	101.62 5.21 -11.34	143.20 7.18 -20.12	71.99 3.65 -12.58	72.43 3.97 -4.63	81.71 4.28 -0.05	75.95 3.80 -3.39