

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

01/27/2025

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	81.10	103.95	107.88	78.67	89.47	76.12	137.45	145.53	99.95	89.61	82.57	57.46	42.88	43.68	56.63	95.08	101.16	143.30	151.96	119.97	116.30	132.68	109.64	103.58
24138	5.22	6.38	6.82	2.92	4.48	2.25	4.55	3.12	5.97	2.99	3.30	3.61	3.72	3.80	4.74	7.84	6.38	2.43	2.78	6.86	6.97	9.35	7.18	6.83
	-3.69	-3.62	0.00	-33.86	-20.77	-43.77	-74.87	-106.00	-24.28	-53.56	-44.57	-16.69	0.00	-0.63	-2.99	0.00	-20.77	-114.09	-118.02	-31.89	-23.51	0.00	-5.21	0.00
74TH STREET_GT_1	81.39	104.35	108.28	78.86	89.76	76.26	137.69	145.65	100.13	89.67	82.63	57.52	42.95	43.75	56.72	95.24	101.33	143.38	152.06	120.19	116.56	133.04	109.92	103.80
24260	5.50	6.79	7.23	3.11	4.76	2.38	4.77	3.22	6.14	3.04	3.36	3.68	3.79	3.87	4.83	8.00	6.55	2.49	2.86	7.07	7.23	9.71	7.45	7.04
	-3.69	-3.62	0.00	-33.87	-20.78	-43.78	-74.88	-106.02	-24.28	-53.57	-44.58	-16.69	0.00	-0.63	-2.99	0.00	-20.77	-114.11	-118.05	-31.89	-23.51	0.00	-5.21	0.00
74TH STREET_GT_2	81.39	104.35	108.28	78.86	89.76	76.26	137.69	145.65	100.13	89.67	82.63	57.52	42.95	43.75	56.72	95.24	101.33	143.38	152.06	120.19	116.56	133.04	109.92	103.80
24261	5.50	6.79	7.23	3.11	4.76	2.38	4.77	3.22	6.14	3.04	3.36	3.68	3.79	3.87	4.83	8.00	6.55	2.49	2.86	7.07	7.23	9.71	7.45	7.04
	-3.69	-3.62	0.00	-33.87	-20.78	-43.78	-74.88	-106.02	-24.28	-53.57	-44.58	-16.69	0.00	-0.63	-2.99	0.00	-20.77	-114.11	-118.05	-31.89	-23.51	0.00	-5.21	0.00
ADK HUDSON___FALLS	95.03	107.65	110.76	94.45	114.51	136.11	278.97	265.40	129.14	103.74	93.89	61.13	42.01	42.95	56.66	95.14	107.46	173.48	183.29	135.85	132.52	135.42	112.95	105.64
24011	7.08	9.15	9.71	4.11	6.48	3.18	6.56	4.05	7.26	3.14	2.99	2.93	2.84	2.91	3.99	7.90	7.26	2.84	3.32	8.43	8.81	12.09	9.12	8.89
	-15.75	-4.57	0.00	-48.46	-43.81	-102.83	-214.37	-224.93	-52.17	-67.54	-56.20	-21.05	0.00	-0.79	-3.77	0.00	-26.19	-143.87	-148.82	-46.20	-37.88	0.00	-6.57	0.00
ADK RESOURCE___RCVRY	95.68	108.33	111.48	94.85	115.22	136.91	280.87	266.74	129.98	104.03	94.12	61.30	42.12	43.08	56.93	95.78	108.09	173.87	183.73	136.62	133.28	136.22	113.50	106.14
23798	7.61	9.82	10.43	4.41	6.99	3.44	7.16	4.38	7.86	3.36	3.17	3.08	2.96	3.03	4.25	8.54	7.86	3.08	3.58	9.09	9.47	12.89	9.66	9.38
	-15.87	-4.57	0.00	-48.57	-44.02	-103.38	-215.67	-225.93	-52.41	-67.61	-56.26	-21.07	0.00	-0.79	-3.77	0.00	-26.22	-144.02	-148.98	-46.30	-37.99	0.00	-6.58	0.00
ADK S GLENS___FALLS	95.03	107.65	110.76	94.45	114.51	136.11	278.97	265.40	129.14	103.74	93.89	61.13	42.01	42.95	56.66	95.14	107.46	173.48	183.29	135.85	132.52	135.42	112.95	105.64
24028	7.08	9.15	9.71	4.11	6.48	3.18	6.56	4.05	7.26	3.14	2.99	2.93	2.84	2.91	3.99	7.90	7.26	2.84	3.32	8.43	8.81	12.09	9.12	8.89
	-15.75	-4.57	0.00	-48.46	-43.81	-102.83	-214.37	-224.93	-52.17	-67.54	-56.20	-21.05	0.00	-0.79	-3.77	0.00	-26.19	-143.87	-148.82	-46.20	-37.88	0.00	-6.57	0.00
ADK_NYS___DAM	89.49	105.23	108.38	90.04	106.15	117.47	233.90	230.00	119.13	100.84	91.59	60.16	41.71	42.66	56.08	93.65	104.57	167.52	177.04	130.02	126.42	132.30	110.59	103.57
23527	5.39	6.89	7.32	3.12	4.90	2.32	4.45	2.68	5.26	2.63	2.69	2.71	2.54	2.64	3.54	6.41	5.30	1.96	2.32	5.95	6.41	8.97	6.99	6.82
	-11.90	-4.41	0.00	-45.04	-37.03	-85.06	-171.41	-190.91	-44.16	-65.15	-54.22	-20.31	0.00	-0.76	-3.64	0.00	-25.27	-138.79	-143.57	-42.85	-34.18	0.00	-6.34	0.00
AIR_PRODUCTS___DRP	84.51	102.00	104.79	87.45	99.93	105.87	203.48	202.70	110.56	99.67	90.31	58.92	40.51	41.34	54.07	89.71	101.50	166.69	175.97	124.58	119.97	126.41	106.84	99.98
24190	2.87	3.64	3.73	1.68	2.52	1.17	2.07	1.18	2.55	1.23	1.22	1.40	1.35	1.32	1.52	2.47	2.14	0.66	0.75	2.02	2.14	3.08	3.22	3.23
	-9.44	-4.42	0.00	-43.89	-33.19	-74.61	-143.38	-165.10	-38.30	-65.37	-54.40	-20.37	0.00	-0.76	-3.65	0.00	-25.35	-139.26	-144.06	-41.33	-32.00	0.00	-6.36	0.00
AKWESSNE_115KV_BK	71.53	93.07	100.25	41.46	63.47	29.56	56.83	35.63	67.42	32.40	34.25	36.81	38.93	39.01	48.62	86.77	73.29	26.08	15.83	51.80	74.28	122.18	96.25	96.34
355683	-0.66	-0.87	-0.80	-0.42	-0.75	-0.53	-1.22	-0.79	-1.33	-0.58	-0.44	-0.34	-0.24	-0.24	-0.28	-0.47	-0.71	-0.58	-0.65	-1.24	-1.30	-1.15	-1.01	-0.42
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	14.67	28.19	10.25	0.00	0.00	0.00
ALBANY_1_SOLAR	83.56	103.04	106.04	86.33	97.63	98.16	184.85	187.89	107.52	98.55	89.29	58.43	40.38	41.20	53.97	90.23	101.98	164.73	174.00	124.39	119.79	128.41	107.87	101.21
323833	3.66	4.76	4.99	2.14	3.31	1.54	2.90	1.71	3.05	1.26	1.14	1.25	1.21	1.20	1.48	2.99	3.06	1.13	1.30	3.35	3.61	5.08	4.36	4.46
	-7.70	-4.34	0.00	-42.31	-30.11	-66.53	-123.92	-149.75	-34.77	-64.23	-53.45	-20.02	0.00	-0.75	-3.59	0.00	-24.91	-136.83	-141.54	-39.81	-30.35	0.00	-6.25	0.00
ALBANY_2_SOLAR	83.54	103.03	106.00	86.33	97.62	98.16	184.82	187.88	107.50	98.56	89.29	58.43	40.38	41.20	53.95	90.20	101.97	164.74	174.01	124.38	119.78	128.36	107.84	101.19
323834	3.65	4.74	4.94	2.14	3.30	1.53	2.88	1.71	3.02	1.26	1.14	1.25	1.21	1.20	1.47	2.96	3.05	1.13	1.29	3.34	3.60	5.03	4.33	4.43
	-7.69	-4.34	0.00	-42.31	-30.10	-66.52	-123.90	-149.75	-34.77	-64.24	-53.45	-20.02	0.00	-0.75	-3.59	0.00	-24.91	-136.84	-141.56	-39.81	-30.35	0.00	-6.25	0.00
ALBANY___1	84.51	102.00	104.79	87.45	99.93	105.87	203.48	202.70	110.56	99.67	90.31	58.92	40.51	41.34	54.07	89.71	101.50	166.69	175.97	124.58	119.97	126.41	106.84	99.98
23571	2.87	3.64	3.73	1.68	2.52	1.17	2.07	1.18	2.55	1.23	1.22	1.40	1.35	1.32	1.52	2.47	2.14	0.66	0.75	2.02	2.14	3.08	3.22	3.23
	-9.44	-4.42	0.00	-43.89	-33.19	-74.61	-143.38	-165.10	-38.30	-65.37	-54.40	-20.37	0.00	-0.76	-3.65	0.00	-25.35	-139.26	-144.06	-41.33	-32.00	0.00	-6.36	0.00



ALBANY___2 23572	84.51 2.87 -9.44	102.00 3.64 -4.42	104.79 3.73 0.00	87.45 1.68 -43.89	99.93 2.52 -33.19	105.87 1.17 -74.61	203.48 2.07 -143.38	202.70 1.18 -165.10	110.56 2.55 -38.30	99.67 1.23 -65.37	90.31 1.22 -54.40	58.92 1.40 -20.37	40.51 1.35 0.00	41.34 1.32 -0.76	54.07 1.52 -3.65	89.71 2.47 0.00	101.50 2.14 -25.35	166.69 0.66 -139.26	175.97 0.75 -144.06	124.58 2.02 -41.33	119.97 2.14 -32.00	126.41 3.08 0.00	106.84 3.22 -6.36	99.98 3.23 0.00
ALBANY___3 23573	84.51 2.87 -9.44	102.00 3.64 -4.42	104.79 3.73 0.00	87.45 1.68 -43.89	99.93 2.52 -33.19	105.87 1.17 -74.61	203.48 2.07 -143.38	202.70 1.18 -165.10	110.56 2.55 -38.30	99.67 1.23 -65.37	90.31 1.22 -54.40	58.92 1.40 -20.37	40.51 1.35 0.00	41.34 1.32 -0.76	54.07 1.52 -3.65	89.71 2.47 0.00	101.50 2.14 -25.35	166.69 0.66 -139.26	175.97 0.75 -144.06	124.58 2.02 -41.33	119.97 2.14 -32.00	126.41 3.08 0.00	106.84 3.22 -6.36	99.98 3.23 0.00
ALBANY___4 23574	84.51 2.87 -9.44	102.00 3.64 -4.42	104.79 3.73 0.00	87.45 1.68 -43.89	99.93 2.52 -33.19	105.87 1.17 -74.61	203.48 2.07 -143.38	202.70 1.18 -165.10	110.56 2.55 -38.30	99.67 1.23 -65.37	90.31 1.22 -54.40	58.92 1.40 -20.37	40.51 1.35 0.00	41.34 1.32 -0.76	54.07 1.52 -3.65	89.71 2.47 0.00	101.50 2.14 -25.35	166.69 0.66 -139.26	175.97 0.75 -144.06	124.58 2.02 -41.33	119.97 2.14 -32.00	126.41 3.08 0.00	106.84 3.22 -6.36	99.98 3.23 0.00
ALBANY___LFGE 323615	87.06 3.51 -11.35	102.86 4.46 -4.46	105.64 4.58 0.00	89.19 2.04 -45.27	103.72 3.09 -36.41	114.70 1.44 -83.16	226.33 2.68 -165.61	223.40 1.58 -185.40	115.72 3.27 -42.75	100.62 1.55 -66.00	91.18 1.56 -54.92	59.46 1.73 -20.57	40.86 1.69 0.00	41.70 1.67 -0.77	54.62 2.03 -3.69	90.70 3.47 0.00	102.64 3.03 -25.60	168.39 1.01 -140.60	177.78 1.18 -145.45	127.17 3.09 -42.86	122.95 3.25 -33.87	127.88 4.55 0.00	107.85 4.17 -6.42	100.84 4.08 0.00
ALCOA_PA_115KV_PL-6C 55860	71.88 -0.32 0.00	93.51 -0.42 0.00	100.71 -0.35 0.00	41.63 -0.25 0.00	63.73 -0.49 0.00	29.65 -0.44 0.00	56.97 -1.07 0.00	35.70 -0.72 0.00	67.58 -1.20 0.92	32.46 -0.52 0.08	34.31 -0.38 0.00	36.86 -0.30 0.00	38.97 -0.20 0.00	39.09 -0.17 0.00	48.72 -0.18 0.00	86.96 -0.28 0.00	73.45 -0.56 0.00	26.16 -0.52 0.10	16.39 -0.57 14.20	52.88 -1.07 27.28	74.81 -1.10 9.91	122.66 -0.67 0.00	96.58 -0.68 0.00	96.72 -0.04 0.00
ALCOA_RYNLDS___DRP 24188	71.88 -0.32 0.00	93.51 -0.42 0.00	100.71 -0.35 0.00	41.63 -0.25 0.00	63.73 -0.49 0.00	29.65 -0.44 0.00	56.97 -1.07 0.00	35.70 -0.72 0.00	67.58 -1.20 0.92	32.46 -0.52 0.08	34.31 -0.38 0.00	36.86 -0.30 0.00	38.97 -0.20 0.00	39.09 -0.17 0.00	48.72 -0.18 0.00	86.96 -0.28 0.00	73.45 -0.56 0.00	26.16 -0.52 0.10	16.39 -0.57 14.20	52.88 -1.07 27.28	74.81 -1.10 9.91	122.66 -0.67 0.00	96.58 -0.68 0.00	96.72 -0.04 0.00
ALCOA___DSASP 323711	71.88 -0.32 0.00	93.52 -0.42 0.00	100.71 -0.35 0.00	41.63 -0.25 0.00	63.73 -0.48 0.00	29.66 -0.44 0.00	56.97 -1.07 0.00	35.70 -0.72 0.00	67.58 -1.20 0.92	32.46 -0.52 0.08	34.33 -0.36 0.00	36.86 -0.30 0.00	38.97 -0.19 0.00	39.09 -0.17 0.00	48.72 -0.18 0.00	86.96 -0.27 0.00	73.45 -0.55 0.00	26.16 -0.52 0.10	16.39 -0.57 14.20	52.90 -1.05 27.28	74.81 -1.10 9.91	122.66 -0.67 0.00	96.58 -0.68 0.00	96.74 -0.02 0.00
ALLEGHENY___COGEN 23514	108.40 -1.07 -37.26	149.15 -1.44 -56.65	150.45 -2.03 -51.42	69.04 -0.89 -28.05	85.45 -1.03 -22.27	62.40 -0.18 -32.49	126.85 0.56 -68.26	135.62 0.36 -98.83	156.89 -0.11 -87.30	86.94 -1.30 -55.18	80.96 -2.04 -48.30	63.49 -2.51 -28.84	69.37 -2.68 -32.89	69.53 -2.87 -33.14	81.48 -3.46 -36.05	140.05 -5.74 -58.55	120.06 -3.51 -49.56	119.64 -0.17 -93.03	124.17 0.02 -92.99	150.66 -0.59 -70.03	145.45 -0.22 -59.84	189.56 -1.74 -67.97	133.23 -1.63 -37.60	96.40 -1.60 -1.24
ALTAMONT_115KV_TB 2 55880	83.12 2.94 -7.99	102.13 3.77 -4.42	105.02 3.96 0.00	86.69 1.71 -43.10	97.72 2.64 -30.87	99.69 1.25 -68.34	188.70 2.42 -128.23	193.08 1.51 -155.15	108.43 2.84 -35.88	99.69 1.32 -65.30	90.36 1.33 -54.34	58.92 1.41 -20.35	40.55 1.38 0.00	41.42 1.41 -0.76	54.32 1.77 -3.65	90.35 3.12 0.00	102.13 2.80 -25.32	166.91 1.04 -139.10	176.26 1.21 -143.89	124.91 3.07 -40.62	120.14 3.26 -31.06	127.78 4.45 0.00	107.28 3.67 -6.35	100.34 3.58 0.00
ALTONA_WT_PWR 323606	71.55 -0.65 0.00	92.89 -1.05 0.00	99.80 -1.26 0.00	41.27 -0.61 0.00	63.05 -1.17 0.00	29.24 -0.85 0.00	56.01 -2.03 0.00	35.09 -1.33 0.00	66.31 -2.44 0.96	27.21 -1.23 4.62	15.32 -1.21 18.16	-22.68 -1.26 58.57	-7.40 -1.23 45.34	2.50 -1.22 35.54	21.27 -1.45 26.19	78.00 -2.41 6.83	3.72 -2.30 67.99	-22.36 -1.12 48.02	-16.63 -1.26 46.53	29.84 -2.78 48.60	72.74 -2.79 10.29	119.96 -3.37 0.00	86.63 -3.03 7.59	94.52 -2.24 0.00
AMERICAN_REF_FUEL 24010	52.69 -8.00 11.51	70.77 -10.35 12.81	76.12 -11.65 13.28	31.68 -5.05 5.15	55.80 -7.21 1.20	26.13 -3.19 0.77	50.37 -5.62 2.06	29.60 -4.15 2.68	46.33 -7.84 15.53	25.36 -4.07 3.64	27.40 -4.51 2.77	28.55 -4.98 3.63	26.03 -5.39 7.74	25.97 -5.70 7.58	34.14 -6.96 7.80	58.95 -12.37 15.91	35.76 -10.89 27.35	22.16 -3.76 0.86	28.03 -4.22 -1.09	44.51 -11.36 25.35	66.11 -10.36 9.35	91.09 -15.34 16.90	76.71 -11.68 8.86	85.87 -10.59 0.30
ARKWRIGHT___SUMMIT_WT_PWR 323751	51.70 -8.10 12.40	70.25 -10.41 13.28	75.81 -11.29 13.96	31.05 -5.15 5.69	55.73 -7.49 0.99	26.31 -3.29 0.50	51.00 -5.48 1.56	30.62 -3.86 1.94	45.94 -7.39 16.37	25.53 -3.92 3.61	27.71 -4.53 2.45	28.48 -5.10 3.58	25.52 -5.51 8.14	25.45 -5.71 8.09	33.55 -7.04 8.31	57.52 -12.38 17.34	31.84 -10.33 31.83	22.96 -3.53 0.28	29.23 -3.97 -2.04	41.36 -10.85 29.02	65.80 -10.25 9.78	89.73 -15.40 18.20	75.92 -11.79 9.55	85.16 -11.29 0.31
ARTHUR KILL_GT_1 23520	190.58 5.12 -113.26	121.52 6.20 -21.38	275.10 6.63 -167.42	98.51 2.87 -53.76	118.60 4.39 -49.99	133.61 2.20 -101.31	141.91 4.46 -79.41	147.92 2.94 -108.56	538.77 5.51 -463.55	462.05 2.69 -426.31	210.93 3.04 -173.20	64.00 3.30 -23.55	64.06 3.37 -21.53	64.05 3.45 -21.35	63.95 4.27 -10.78	162.73 7.03 -68.46	89.97 5.73 -10.23	120.19 2.19 -91.23	128.91 2.51 -95.24	95.49 6.25 -8.01	87.53 6.28 4.58	94.97 8.43 36.79	181.39 6.48 -77.65	155.95 6.14 -53.05
ARTHUR_KILL_2 23512	190.38 4.93 -113.26	121.24 5.92 -21.38	274.82 6.34 -167.42	98.39 2.75 -53.76	118.42 4.22 -49.99	133.52 2.12 -101.31	141.72 4.27 -79.41	147.81 2.83 -108.56	538.54 5.28 -463.55	461.96 2.60 -426.31	210.84 2.95 -173.20	63.91 3.21 -23.55	63.96 3.27 -21.53	63.95 3.35 -21.35	63.81 4.13 -10.78	162.48 6.78 -68.46	89.74 5.50 -10.23	120.10 2.09 -91.23	128.81 2.41 -95.24	95.21 5.97 -8.01	87.25 6.00 4.58	94.57 8.02 36.79	181.08 6.17 -77.65	155.66 5.85 -53.05
ARTHUR_KILL_3 23513	63.37 4.66 13.49	63.17 5.62 36.39	-1024.74 6.01 1131.81	63.08 2.59 -18.60	63.08 3.99 5.13	63.33 2.00 -31.23	82.10 3.99 -20.07	102.30 2.72 -63.15	53.00 5.20 21.91	-20.76 2.63 56.46	67.25 2.94 -29.62	63.93 3.24 -23.54	64.01 3.33 -21.52	64.00 3.41 -21.34	63.93 4.25 -10.77	69.41 6.94 24.77	89.76 5.53 -10.22	118.37 2.12 -89.48	120.98 2.41 -87.41	95.17 5.94 -8.00	87.26 6.03 4.59	94.60 8.07 36.80	68.42 6.19 35.02	63.60 5.78 38.93



ARTHUR_KILL_COGEN 323718	190.58 5.12 -113.26	121.52 6.20 -21.38	275.10 6.63 -167.42	98.51 2.87 -53.76	118.60 4.39 -49.99	133.61 2.20 -101.31	141.91 4.46 -79.41	147.92 2.94 -108.56	538.77 5.51 -463.55	462.05 2.69 -426.31	210.93 3.04 -173.20	64.00 3.30 -23.55	64.06 3.37 -21.53	64.05 3.45 -21.35	63.95 4.27 -10.78	162.73 7.03 -68.46	89.97 5.73 -10.23	120.19 2.19 -91.23	128.91 2.51 -95.24	95.49 6.25 -8.01	87.53 6.28 4.58	94.97 8.43 36.79	181.39 6.48 -77.65	155.95 6.14 -53.05
ASHOKAN____ 23654	83.96 5.37 -6.40	105.10 7.11 -4.05	108.61 7.55 0.00	83.78 2.84 -39.06	95.66 4.59 -26.85	90.99 2.17 -58.73	169.86 4.41 -107.41	173.38 2.84 -134.12	106.15 5.38 -31.07	95.18 2.18 -59.93	86.59 2.02 -49.87	57.94 2.11 -18.68	41.41 2.24 0.00	42.20 2.25 -0.70	55.04 2.80 -3.35	92.82 5.59 0.00	102.51 5.26 -23.24	156.37 1.92 -127.67	165.52 2.29 -132.07	123.96 5.97 -36.77	120.11 6.49 -27.80	132.40 9.07 0.00	109.72 6.63 -5.83	103.19 6.44 0.00
ASTORIA_EAST_ENERGY_CC1 323581	80.93 5.05 -3.69	103.73 6.16 -3.62	107.47 6.41 0.00	78.57 2.81 -33.87	89.23 4.24 -20.78	76.00 2.13 -43.78	137.19 4.27 -74.88	145.45 3.01 -106.02	99.85 5.86 -24.28	89.42 2.79 -53.57	82.37 3.10 -44.58	57.33 3.48 -16.70	42.74 3.57 0.00	43.54 3.66 -0.63	56.37 4.48 -2.99	94.45 7.21 0.00	100.83 6.05 -20.77	143.14 2.26 -114.11	151.76 2.56 -118.05	119.64 6.52 -31.89	115.97 6.63 -23.51	132.19 8.85 0.00	109.13 6.66 -5.21	103.09 6.34 0.00
ASTORIA_EAST_ENERGY_CC2 323582	80.93 5.05 -3.69	103.73 6.16 -3.62	107.47 6.41 0.00	78.57 2.81 -33.87	89.24 4.24 -20.78	76.00 2.13 -43.78	137.19 4.27 -74.88	145.45 3.01 -106.02	99.84 5.85 -24.28	89.42 2.79 -53.57	82.37 3.10 -44.58	57.33 3.48 -16.70	42.73 3.57 0.00	43.54 3.65 -0.63	56.37 4.48 -2.99	94.45 7.21 0.00	100.83 6.05 -20.77	143.15 2.26 -114.11	151.76 2.56 -118.05	119.64 6.52 -31.89	115.97 6.63 -23.51	132.19 8.85 0.00	109.13 6.66 -5.21	103.09 6.34 0.00
ASTORIA_GT2_1 24094	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT2_2 24095	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT2_3 24096	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT2_4 24097	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT3_1 24098	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT3_2 24099	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT3_3 24100	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT3_4 24101	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT4_1 24102	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT4_2 24103	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT4_3 24104	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00



ASTORIA_GT4_4 24105	80.98 5.09 -3.69	103.78 6.22 -3.62	107.52 6.47 0.00	78.58 2.83 -33.87	89.26 4.26 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.46 3.02 -106.02	99.87 5.88 -24.28	89.43 2.79 -53.57	82.39 3.12 -44.58	57.35 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.38 4.49 -2.99	94.50 7.26 0.00	100.84 6.06 -20.77	143.15 2.26 -114.11	151.77 2.57 -118.05	119.65 6.53 -31.89	116.02 6.69 -23.51	132.24 8.91 0.00	109.18 6.71 -5.21	103.15 6.39 0.00
ASTORIA_GT_1 23523	81.11 5.22 -3.69	103.93 6.36 -3.62	107.70 6.65 0.00	78.65 2.90 -33.87	89.38 4.38 -20.78	76.08 2.20 -43.78	137.33 4.41 -74.88	145.54 3.11 -106.02	100.02 6.03 -24.28	89.51 2.88 -53.57	82.46 3.19 -44.58	57.43 3.58 -16.70	42.82 3.66 0.00	43.63 3.75 -0.63	56.49 4.60 -2.99	94.70 7.46 0.00	101.03 6.24 -20.77	143.22 2.33 -114.11	151.85 2.64 -118.05	119.87 6.75 -31.89	116.19 6.86 -23.51	132.52 9.18 0.00	109.39 6.92 -5.21	103.33 6.58 0.00
ASTORIA_GT_10 24110	81.03 5.14 -3.69	103.88 6.32 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.01 -106.02	99.77 5.78 -24.28	89.46 2.83 -53.57	82.49 3.22 -44.58	57.39 3.53 -16.70	42.76 3.59 0.00	43.57 3.69 -0.63	56.43 4.54 -2.99	94.66 7.42 0.00	100.88 6.09 -20.77	143.19 2.30 -114.11	151.83 2.63 -118.05	119.66 6.54 -31.89	116.00 6.66 -23.51	132.23 8.90 0.00	109.32 6.85 -5.21	103.31 6.55 0.00
ASTORIA_GT_11 24225	81.03 5.14 -3.69	103.88 6.32 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.01 -106.02	99.77 5.78 -24.28	89.46 2.83 -53.57	82.49 3.22 -44.58	57.39 3.53 -16.70	42.76 3.59 0.00	43.57 3.69 -0.63	56.43 4.54 -2.99	94.66 7.42 0.00	100.88 6.09 -20.77	143.19 2.30 -114.11	151.83 2.63 -118.05	119.66 6.54 -31.89	116.00 6.66 -23.51	132.23 8.90 0.00	109.32 6.85 -5.21	103.31 6.55 0.00
ASTORIA_GT_12 24226	81.03 5.14 -3.69	103.88 6.32 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.01 -106.02	99.77 5.78 -24.28	89.46 2.83 -53.57	82.49 3.22 -44.58	57.39 3.53 -16.70	42.76 3.59 0.00	43.57 3.69 -0.63	56.43 4.54 -2.99	94.66 7.42 0.00	100.88 6.09 -20.77	143.19 2.30 -114.11	151.83 2.63 -118.05	119.66 6.54 -31.89	116.00 6.66 -23.51	132.23 8.90 0.00	109.32 6.85 -5.21	103.31 6.55 0.00
ASTORIA_GT_13 24227	81.03 5.14 -3.69	103.88 6.32 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.01 -106.02	99.77 5.78 -24.28	89.46 2.83 -53.57	82.49 3.22 -44.58	57.39 3.53 -16.70	42.76 3.59 0.00	43.57 3.69 -0.63	56.43 4.54 -2.99	94.66 7.42 0.00	100.88 6.09 -20.77	143.19 2.30 -114.11	151.83 2.63 -118.05	119.66 6.54 -31.89	116.00 6.66 -23.51	132.23 8.90 0.00	109.32 6.85 -5.21	103.31 6.55 0.00
ASTORIA_GT_5 24106	81.11 5.23 -3.69	103.94 6.38 -3.62	107.70 6.64 0.00	78.65 2.90 -33.87	89.38 4.38 -20.78	76.08 2.20 -43.78	137.34 4.42 -74.88	145.54 3.11 -106.02	100.03 6.03 -24.28	89.50 2.87 -53.57	82.46 3.19 -44.58	57.43 3.58 -16.70	42.82 3.66 0.00	43.63 3.75 -0.63	56.48 4.59 -2.99	94.68 7.45 0.00	101.03 6.25 -20.77	143.21 2.32 -114.11	151.84 2.63 -118.05	119.82 6.70 -31.89	116.20 6.87 -23.51	132.54 9.20 0.00	109.37 6.90 -5.21	103.34 6.59 0.00
ASTORIA_GT_7 24107	81.11 5.23 -3.69	103.94 6.38 -3.62	107.70 6.64 0.00	78.65 2.90 -33.87	89.38 4.38 -20.78	76.08 2.20 -43.78	137.34 4.42 -74.88	145.54 3.11 -106.02	100.03 6.03 -24.28	89.50 2.87 -53.57	82.46 3.19 -44.58	57.43 3.58 -16.70	42.82 3.66 0.00	43.63 3.75 -0.63	56.48 4.59 -2.99	94.68 7.45 0.00	101.03 6.25 -20.77	143.21 2.32 -114.11	151.84 2.63 -118.05	119.82 6.70 -31.89	116.20 6.87 -23.51	132.54 9.20 0.00	109.37 6.90 -5.21	103.34 6.59 0.00
ASTORIA_GT_8 24108	81.11 5.23 -3.69	103.94 6.38 -3.62	107.70 6.64 0.00	78.65 2.90 -33.87	89.38 4.38 -20.78	76.08 2.20 -43.78	137.34 4.42 -74.88	145.54 3.11 -106.02	100.03 6.03 -24.28	89.50 2.87 -53.57	82.46 3.19 -44.58	57.43 3.58 -16.70	42.82 3.66 0.00	43.63 3.75 -0.63	56.48 4.59 -2.99	94.68 7.45 0.00	101.03 6.25 -20.77	143.21 2.32 -114.11	151.84 2.63 -118.05	119.82 6.70 -31.89	116.20 6.87 -23.51	132.54 9.20 0.00	109.37 6.90 -5.21	103.34 6.59 0.00
ASTORIA___2 24149	80.97 5.08 -3.69	103.75 6.19 -3.62	107.52 6.46 0.00	78.58 2.82 -33.87	89.27 4.27 -20.78	76.03 2.15 -43.78	137.22 4.30 -74.88	145.47 3.03 -106.02	99.87 5.89 -24.28	89.44 2.81 -53.57	82.39 3.12 -44.58	57.36 3.50 -16.70	42.75 3.58 0.00	43.55 3.67 -0.63	56.39 4.50 -2.99	94.51 7.27 0.00	100.85 6.07 -20.77	143.16 2.27 -114.11	151.78 2.58 -118.05	119.70 6.58 -31.89	116.02 6.69 -23.51	132.20 8.87 0.00	109.20 6.73 -5.21	103.15 6.39 0.00
ASTORIA___3 23516	81.02 5.13 -3.69	103.87 6.31 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.00 -106.02	99.77 5.78 -24.28	89.48 2.84 -53.57	82.48 3.22 -44.58	57.39 3.53 -16.70	42.76 3.60 0.00	43.56 3.68 -0.63	56.44 4.55 -2.99	94.67 7.43 0.00	100.88 6.10 -20.77	143.19 2.30 -114.11	151.84 2.64 -118.05	119.70 6.58 -31.89	115.99 6.66 -23.51	132.23 8.90 0.00	109.31 6.84 -5.21	103.29 6.53 0.00
ASTORIA___4 23517	81.02 5.13 -3.69	103.88 6.32 -3.62	107.76 6.71 0.00	78.62 2.87 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.01 -106.02	99.77 5.78 -24.28	89.46 2.83 -53.57	82.49 3.22 -44.58	57.39 3.53 -16.70	42.76 3.59 0.00	43.57 3.69 -0.63	56.43 4.54 -2.99	94.66 7.42 0.00	100.88 6.09 -20.77	143.19 2.30 -114.11	151.83 2.63 -118.05	119.66 6.54 -31.89	116.00 6.66 -23.51	132.23 8.90 0.00	109.32 6.85 -5.21	103.31 6.55 0.00
ASTORIA___5 23518	81.02 5.13 -3.69	103.87 6.31 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.00 -106.02	99.77 5.78 -24.28	89.48 2.84 -53.57	82.48 3.22 -44.58	57.39 3.53 -16.70	42.76 3.60 0.00	43.56 3.68 -0.63	56.44 4.55 -2.99	94.67 7.43 0.00	100.88 6.10 -20.77	143.19 2.30 -114.11	151.84 2.64 -118.05	119.70 6.58 -31.89	115.99 6.66 -23.51	132.23 8.90 0.00	109.31 6.84 -5.21	103.29 6.53 0.00
AST_ENERGY_2_CC3 323677	80.68 4.79 -3.69	103.38 5.82 -3.62	107.28 6.22 0.00	78.44 2.69 -33.87	89.11 4.12 -20.78	75.94 2.07 -43.77	137.01 4.10 -74.88	145.23 2.80 -106.01	99.33 5.34 -24.28	89.32 2.69 -53.56	82.29 3.02 -44.57	57.21 3.36 -16.69	42.63 3.46 0.00	43.42 3.54 -0.63	56.31 4.41 -2.99	94.39 7.15 0.00	100.56 5.78 -20.77	143.07 2.19 -114.10	151.70 2.51 -118.04	119.26 6.14 -31.89	115.61 6.28 -23.51	131.70 8.37 0.00	108.88 6.41 -5.21	102.77 6.02 0.00
AST_ENERGY_2_CC4 323678	80.68 4.79 -3.69	103.38 5.82 -3.62	107.28 6.22 0.00	78.44 2.69 -33.87	89.11 4.12 -20.78	75.94 2.07 -43.77	137.01 4.10 -74.88	145.23 2.80 -106.01	99.33 5.34 -24.28	89.32 2.69 -53.56	82.29 3.02 -44.57	57.21 3.36 -16.69	42.63 3.46 0.00	43.42 3.54 -0.63	56.31 4.41 -2.99	94.39 7.15 0.00	100.56 5.78 -20.77	143.07 2.19 -114.10	151.70 2.51 -118.04	119.26 6.14 -31.89	115.61 6.28 -23.51	131.70 8.37 0.00	108.88 6.41 -5.21	102.77 6.02 0.00



ATHENS_STG_1 23668	79.18 3.34 -3.65	102.20 4.29 -3.97	105.58 4.52 0.00	80.76 1.95 -36.93	89.37 3.00 -22.15	77.82 1.44 -46.29	138.71 2.87 -77.80	151.19 1.85 -112.92	99.03 3.48 -25.84	93.49 1.68 -58.74	85.35 1.78 -48.88	57.36 1.90 -18.31	41.07 1.90 0.00	41.90 1.96 -0.69	54.66 2.48 -3.28	91.45 4.21 0.00	100.41 3.62 -22.78	153.28 1.38 -125.13	162.18 1.59 -129.44	119.96 3.98 -34.75	115.45 4.14 -25.48	128.86 5.53 0.00	107.31 4.34 -5.72	100.90 4.14 0.00
ATHENS_STG_2 23670	79.18 3.34 -3.65	102.20 4.29 -3.97	105.58 4.52 0.00	80.76 1.95 -36.93	89.37 3.00 -22.15	77.82 1.44 -46.29	138.71 2.87 -77.80	151.19 1.85 -112.92	99.03 3.48 -25.84	93.49 1.68 -58.74	85.35 1.78 -48.88	57.36 1.90 -18.31	41.07 1.90 0.00	41.90 1.96 -0.69	54.66 2.48 -3.28	91.45 4.21 0.00	100.41 3.62 -22.78	153.28 1.38 -125.13	162.18 1.59 -129.44	119.96 3.98 -34.75	115.45 4.14 -25.48	128.86 5.53 0.00	107.31 4.34 -5.72	100.90 4.14 0.00
ATHENS_STG_3 23677	79.18 3.34 -3.65	102.20 4.29 -3.97	105.58 4.52 0.00	80.76 1.95 -36.93	89.37 3.00 -22.15	77.82 1.44 -46.29	138.71 2.87 -77.80	151.19 1.85 -112.92	99.03 3.48 -25.84	93.49 1.68 -58.74	85.35 1.78 -48.88	57.36 1.90 -18.31	41.07 1.90 0.00	41.90 1.96 -0.69	54.66 2.48 -3.28	91.45 4.21 0.00	100.41 3.62 -22.78	153.28 1.38 -125.13	162.18 1.59 -129.44	119.96 3.98 -34.75	115.45 4.14 -25.48	128.86 5.53 0.00	107.31 4.34 -5.72	100.90 4.14 0.00
AUBURN___LFGE 323710	73.08 -0.59 -1.47	93.57 -0.82 -0.46	100.19 -1.16 -0.29	47.20 -0.45 -5.77	66.43 -0.46 -2.67	36.20 -0.02 -6.12	67.24 0.16 -9.04	49.87 0.15 -13.30	72.80 -0.02 -3.11	39.87 -0.31 -7.12	39.81 -0.53 -5.65	38.52 -0.75 -2.12	38.33 -0.84 0.00	38.45 -0.89 -0.08	48.06 -1.22 -0.38	86.15 -1.77 -0.68	81.72 -0.78 -8.49	41.73 0.09 -14.86	46.28 0.13 -15.00	89.68 -0.13 -8.58	88.76 -0.06 -2.99	122.53 -1.13 -0.33	97.09 -1.15 -0.99	95.79 -0.97 0.00
BABYLON_RES_REC 323704	82.10 6.21 -3.69	105.33 7.77 -3.62	109.22 8.17 0.00	79.23 3.48 -33.86	90.29 5.30 -20.77	76.43 2.57 -43.76	138.07 5.18 -74.85	145.70 3.31 -105.98	100.10 6.12 -24.27	89.68 3.06 -53.55	82.68 3.42 -44.56	57.40 3.56 -16.69	42.85 3.69 0.00	43.71 3.83 -0.63	69.51 4.96 -15.65	127.39 8.51 -31.64	143.85 7.22 -62.62	156.10 2.75 -126.58	152.21 3.05 -118.00	120.83 7.72 -31.88	117.25 7.92 -23.50	134.25 10.92 0.00	110.74 8.27 -5.21	104.56 7.80 0.00
BABYLON__69_KV_BK2 356345	82.88 6.99 -3.69	106.36 8.80 -3.62	110.29 9.24 0.00	79.68 3.94 -33.86	90.96 5.97 -20.77	76.75 2.90 -43.76	138.74 5.84 -74.85	146.06 3.66 -105.98	100.78 6.80 -24.27	90.02 3.41 -53.55	83.03 3.78 -44.56	57.77 3.93 -16.69	43.25 4.08 0.00	44.10 4.22 -0.63	70.03 5.49 -15.65	128.33 9.45 -31.64	144.70 8.07 -62.62	156.42 3.07 -126.58	152.54 3.38 -118.00	121.74 8.63 -31.88	118.31 8.98 -23.50	135.69 12.35 0.00	111.85 9.38 -5.21	105.64 8.88 0.00
BALL_HILL_WT_PWR 323825	49.78 -6.97 15.45	67.18 -8.99 17.77	72.91 -10.06 18.09	29.59 -4.47 7.83	55.32 -6.28 2.62	24.51 -2.76 2.82	46.90 -4.64 6.50	24.07 -3.28 9.06	40.13 -6.41 23.17	21.95 -3.44 7.67	24.77 -3.94 5.98	26.98 -4.42 5.76	23.67 -4.74 10.77	23.59 -4.94 10.72	31.70 -6.05 11.16	54.45 -10.70 22.09	28.65 -9.09 36.27	16.83 -3.04 6.90	23.25 -3.39 4.52	37.07 -9.31 34.85	62.86 -8.58 14.38	86.73 -12.95 23.65	74.85 -9.87 12.54	87.01 -9.34 0.40
BARON_WINDS___WT_PWR 323822	-4.80 -5.20 71.80	-5.78 -6.67 93.05	3.83 -7.67 89.56	-8.12 -3.15 46.86	33.14 -4.56 26.52	-9.09 -1.84 37.35	-21.46 -3.09 76.41	-76.78 -1.90 111.29	-68.01 -4.06 133.65	-38.46 -2.39 69.14	-26.29 -2.69 58.29	-6.00 -3.33 39.82	-19.23 -3.34 55.06	-19.34 -3.40 55.19	-14.09 -4.12 58.87	-26.04 -7.23 106.05	-72.73 -5.90 140.84	-77.45 -1.68 102.55	-67.05 -1.91 96.30	-78.11 -5.50 153.84	-7.99 -5.62 88.20	-3.33 -9.01 117.65	25.99 -7.12 64.14	87.66 -7.03 2.07
BARRETT_IC_1 23704	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_10 23701	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_11 23702	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_12 23703	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_2 23705	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_3 23706	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_4 23707	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00



BARRETT_IC_5 23708	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_6 23709	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_7 23710	81.25 5.36 -3.69	104.36 6.80 -3.62	108.26 7.20 0.00	78.78 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.23 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.24 2.98 -44.56	57.07 3.23 -16.69	42.59 3.43 0.00	43.50 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.44 -126.58	151.88 2.72 -118.00	119.90 6.79 -31.88	116.31 6.99 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.53 6.78 0.00
BARRETT_IC_8 23711	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT_IC_9 23700	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT___1 23545	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BARRETT___2 23546	81.25 5.37 -3.69	104.36 6.80 -3.62	108.27 7.21 0.00	78.79 3.05 -33.86	89.66 4.67 -20.77	76.10 2.24 -43.76	137.22 4.33 -74.85	145.15 2.75 -105.98	99.16 5.18 -24.27	89.25 2.64 -53.55	82.23 2.98 -44.56	57.07 3.23 -16.69	42.60 3.43 0.00	43.49 3.61 -0.63	69.10 4.56 -15.65	126.53 7.65 -31.64	143.04 6.41 -62.62	155.80 2.45 -126.58	151.88 2.72 -118.00	119.93 6.82 -31.88	116.31 6.98 -23.50	132.99 9.66 0.00	109.70 7.23 -5.21	103.52 6.77 0.00
BATAVIA__115KV_TB1 55881	59.44 -4.54 8.22	79.28 -5.95 8.71	84.91 -6.86 9.29	35.91 -3.00 2.97	60.16 -3.95 0.10	29.27 -1.63 -0.80	57.30 -2.37 -1.62	37.26 -1.81 -2.65	57.21 -3.69 8.81	30.48 -2.34 0.24	31.66 -2.84 0.19	31.80 -3.43 1.92	30.23 -3.79 5.15	30.53 -3.93 4.79	39.36 -4.72 4.83	68.76 -8.10 10.39	48.52 -6.30 19.19	29.24 -1.79 -4.27	34.97 -1.94 -5.76	58.76 -5.78 16.68	75.91 -4.96 4.95	104.46 -8.02 10.86	85.40 -6.25 5.60	91.03 -5.52 0.20
BAYONEEC___CTG1 323682	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG10 323750	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG2 323683	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG3 323684	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG4 323685	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG5 323686	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG6 323687	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00



BAYONEEC___CTG7 323688	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG8 323689	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BAYONEEC___CTG9 323749	80.88 4.99 -3.69	103.65 6.08 -3.62	107.57 6.51 0.00	78.55 2.80 -33.87	89.28 4.29 -20.78	76.02 2.15 -43.77	137.19 4.28 -74.88	145.33 2.91 -106.01	99.50 5.52 -24.28	89.41 2.78 -53.56	82.37 3.11 -44.57	57.27 3.42 -16.69	42.68 3.52 0.00	43.48 3.59 -0.63	56.38 4.49 -2.99	94.58 7.35 0.00	100.67 5.89 -20.77	143.12 2.25 -114.10	151.76 2.57 -118.04	119.45 6.33 -31.89	115.79 6.45 -23.51	131.99 8.66 0.00	109.13 6.66 -5.21	103.02 6.26 0.00
BEACON___LESR 323632	85.87 4.08 -9.60	103.63 5.27 -4.42	106.31 5.25 0.00	88.21 2.38 -43.95	101.28 3.64 -33.43	107.09 1.73 -75.27	205.52 3.33 -144.15	201.92 1.93 -163.57	111.78 3.74 -38.33	100.12 1.73 -65.33	90.81 1.76 -54.36	59.39 1.88 -20.36	41.13 1.96 0.00	41.87 1.85 -0.76	54.86 2.31 -3.65	91.23 3.99 0.00	102.88 3.54 -25.34	167.20 1.27 -139.16	176.60 1.49 -143.96	126.37 3.83 -41.32	122.01 4.18 -32.00	128.85 5.51 0.00	108.49 4.88 -6.36	101.60 4.84 0.00
BEAVER RIVER___HYD 24048	72.89 0.69 0.00	95.46 1.39 -0.13	101.62 0.56 0.00	43.05 0.00 -1.16	64.96 0.20 -0.54	30.61 -0.51 -1.02	58.86 -0.82 -1.63	38.87 -0.48 -2.93	69.02 -1.05 -0.37	34.25 -0.74 -1.92	35.23 -1.08 -1.62	36.43 -1.34 -0.61	37.87 -1.30 0.00	38.55 -0.73 -0.02	47.93 -1.08 -0.11	85.53 -1.71 0.00	74.09 -0.67 -0.76	30.78 -0.12 -4.12	31.28 -0.14 -0.26	74.03 -0.54 6.66	83.02 -0.74 2.06	124.04 0.71 0.00	96.57 -0.88 -0.19	95.35 -1.40 0.00
BEEBEE_GT_13 23619	66.92 -3.75 1.54	89.51 -4.88 -0.44	94.99 -5.61 0.46	41.04 -2.42 -1.58	62.77 -3.26 -1.82	31.38 -1.36 -2.64	61.50 -2.09 -5.55	44.89 -1.46 -9.93	68.93 -3.03 -2.25	37.39 -1.75 -6.08	38.11 -2.03 -5.44	36.79 -2.39 -2.03	36.53 -2.67 -0.03	36.60 -2.79 -0.14	45.91 -3.42 -0.43	80.52 -5.79 0.93	62.97 -4.58 6.45	38.83 -1.34 -13.40	44.09 -1.48 -14.42	73.49 -4.51 3.23	84.33 -4.13 -2.63	116.31 -6.65 0.37	92.24 -5.20 -0.19	92.01 -4.74 0.00
BENSHRST_27_KV_BENSHRST_1 355998	191.32 5.87 -113.26	122.47 7.15 -21.38	276.09 7.61 -167.42	98.89 3.25 -53.76	119.19 4.99 -49.99	133.90 2.49 -101.31	142.49 5.04 -79.41	148.37 3.39 -108.56	539.74 6.47 -463.55	698.08 3.16 -661.86	544.08 3.56 -505.84	686.29 3.86 -645.27	127.05 3.95 -83.94	89.73 4.03 -46.44	199.42 4.98 -145.54	184.05 8.26 -88.54	101.72 6.78 -20.94	149.15 2.56 -119.81	177.54 2.97 -143.41	143.96 7.44 -55.29	134.55 7.57 -41.16	242.51 10.28 -108.90	237.94 7.89 -132.79	221.24 7.50 -116.98
BETHLEHEM___GRP 23843	84.51 2.87 -9.44	102.00 3.64 -4.42	104.79 3.73 0.00	87.45 1.68 -43.89	99.93 2.52 -33.19	105.87 1.17 -74.61	203.48 2.07 -143.38	202.70 1.18 -165.10	110.56 2.55 -38.30	99.67 1.23 -65.37	90.31 1.22 -54.40	58.92 1.40 -20.37	40.51 1.35 0.00	41.34 1.32 -0.76	54.07 1.52 -3.65	89.71 2.47 0.00	101.50 2.14 -25.35	166.69 0.66 -139.26	175.97 0.75 -144.06	124.58 2.02 -41.33	119.97 2.14 -32.00	126.41 3.08 0.00	106.84 3.22 -6.36	99.98 3.23 0.00
BETHLEHEM___GS1 323560	84.51 2.87 -9.44	101.99 3.63 -4.42	104.76 3.70 0.00	87.45 1.68 -43.89	99.93 2.52 -33.19	105.87 1.17 -74.61	203.48 2.06 -143.38	202.70 1.18 -165.10	110.56 2.55 -38.30	99.67 1.23 -65.37	90.32 1.23 -54.40	58.92 1.40 -20.37	40.51 1.35 0.00	41.34 1.32 -0.76	54.07 1.52 -3.65	89.70 2.46 0.00	101.52 2.16 -25.35	166.69 0.66 -139.26	175.97 0.76 -144.06	124.57 2.02 -41.33	119.97 2.14 -32.00	126.41 3.08 0.00	106.82 3.20 -6.36	99.98 3.23 0.00
BETHLEHEM___GS2 323561	84.51 2.87 -9.44	101.99 3.63 -4.42	104.76 3.70 0.00	87.45 1.68 -43.89	99.93 2.52 -33.19	105.87 1.17 -74.61	203.48 2.06 -143.38	202.70 1.18 -165.10	110.56 2.55 -38.30	99.67 1.23 -65.37	90.32 1.23 -54.40	58.92 1.40 -20.37	40.51 1.35 0.00	41.34 1.32 -0.76	54.07 1.52 -3.65	89.70 2.46 0.00	101.52 2.16 -25.35	166.69 0.66 -139.26	175.97 0.76 -144.06	124.57 2.02 -41.33	119.97 2.14 -32.00	126.41 3.08 0.00	106.82 3.20 -6.36	99.98 3.23 0.00
BETHLEHEM___GS3 323562	84.51 2.87 -9.44	101.99 3.63 -4.42	104.76 3.70 0.00	87.45 1.68 -43.89	99.93 2.52 -33.19	105.87 1.17 -74.61	203.48 2.06 -143.38	202.70 1.18 -165.10	110.56 2.55 -38.30	99.67 1.23 -65.37	90.32 1.23 -54.40	58.92 1.40 -20.37	40.51 1.35 0.00	41.34 1.32 -0.76	54.07 1.52 -3.65	89.70 2.46 0.00	101.52 2.16 -25.35	166.69 0.66 -139.26	175.97 0.76 -144.06	124.57 2.02 -41.33	119.97 2.14 -32.00	126.41 3.08 0.00	106.82 3.20 -6.36	99.98 3.23 0.00
BETHLEHEM___STEEL 23779	51.20 -6.48 14.52	68.98 -8.43 16.53	74.60 -9.55 16.91	30.51 -4.21 7.17	56.24 -5.77 2.21	25.33 -2.55 2.22	48.48 -4.30 5.26	26.10 -3.03 7.29	42.46 -5.92 21.32	23.27 -3.20 6.59	26.05 -3.56 5.08	27.81 -4.16 5.18	24.68 -4.45 10.03	24.67 -4.59 9.99	32.95 -5.58 10.37	56.69 -9.86 20.69	31.10 -8.39 34.51	18.79 -2.74 5.25	25.19 -3.05 2.92	39.78 -8.58 32.87	64.80 -7.88 13.14	89.32 -11.90 22.10	76.51 -9.06 11.69	88.02 -8.36 0.38
BETHLHEM_115KV_TB1 79974	84.15 2.86 -9.09	102.03 3.67 -4.42	104.80 3.74 0.00	87.24 1.68 -43.68	99.36 2.52 -32.62	104.35 1.17 -73.09	199.81 2.10 -139.67	200.11 1.23 -162.46	109.99 2.61 -37.67	99.63 1.24 -65.32	90.30 1.25 -54.36	58.91 1.40 -20.36	40.53 1.37 0.00	41.36 1.35 -0.76	54.13 1.58 -3.65	89.83 2.60 0.00	101.60 2.26 -25.33	166.65 0.73 -139.15	175.94 0.84 -143.94	124.57 2.22 -41.13	119.94 2.37 -31.75	126.65 3.32 0.00	106.90 3.29 -6.36	99.99 3.24 0.00
BETHPAGE_CC_5 323564	81.60 5.71 -3.69	104.69 7.13 -3.62	108.54 7.49 0.00	78.93 3.19 -33.86	89.85 4.86 -20.77	76.24 2.38 -43.76	137.64 4.75 -74.85	145.44 3.04 -105.98	99.66 5.68 -24.27	89.48 2.86 -53.55	82.47 3.22 -44.56	57.24 3.39 -16.69	42.70 3.53 0.00	43.54 3.66 -0.63	69.26 4.71 -15.65	126.88 7.99 -31.64	143.33 6.70 -62.62	155.91 2.55 -126.58	152.00 2.84 -118.00	120.30 7.19 -31.88	116.71 7.38 -23.50	133.39 10.06 0.00	110.05 7.58 -5.21	103.91 7.15 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	52.15 -6.21 13.84	70.37 -8.06 15.51	75.87 -9.20 15.98	31.16 -4.05 6.66	56.87 -5.52 1.82	26.00 -2.44 1.66	49.86 -4.10 4.08	27.92 -2.91 5.59	44.30 -5.64 19.76	24.34 -3.09 5.63	27.02 -3.43 4.24	28.45 -4.03 4.68	25.44 -4.28 9.44	25.46 -4.40 9.39	33.84 -5.34 9.72	58.16 -9.45 19.63	32.37 -8.08 33.55	20.48 -2.64 3.66	26.88 -2.94 1.34	41.41 -8.24 31.57	66.19 -7.55 12.08	91.08 -11.37 20.88	77.55 -8.69 11.01	88.37 -8.03 0.36



BINGHAMTON___COGEN 23790	71.72 -0.61 -0.13	94.40 -0.70 -1.16	99.61 -1.07 0.37	50.52 -0.47 -9.11	70.66 -0.53 -6.98	44.26 -0.09 -14.25	84.08 0.09 -25.95	72.03 0.09 -35.52	77.79 -0.08 -8.16	49.52 -0.34 -16.80	48.65 -0.38 -14.33	41.95 -0.58 -5.37	38.69 -0.48 0.00	38.90 -0.56 -0.20	49.22 -0.64 -0.96	85.29 -1.08 0.87	72.28 -0.92 0.81	62.90 -0.05 -36.17	68.98 -0.07 -37.89	85.17 -0.62 -4.57	93.06 -0.45 -7.70	121.78 -1.14 0.42	97.56 -0.96 -1.26	95.73 -1.03 0.00
BIXINCNT_115KV_LOAD 355685	55.82 -6.13 10.24	76.12 -7.69 10.14	80.46 -9.54 11.07	34.02 -3.77 4.09	59.63 -4.77 -0.18	28.93 -2.39 -1.23	55.95 -4.13 -2.04	36.51 -3.16 -3.25	52.26 -5.87 11.57	29.27 -3.14 0.65	31.29 -3.51 -0.11	30.76 -4.37 2.02	28.29 -4.57 6.30	28.39 -4.63 6.24	37.02 -5.57 6.31	63.20 -10.03 14.01	36.49 -8.93 28.58	28.26 -3.09 -4.58	34.49 -3.52 -6.85	46.92 -9.50 24.80	70.35 -8.95 6.52	96.66 -12.29 14.38	79.61 -10.21 7.44	86.88 -9.64 0.24
BLACK RIVER___HYD 24047	73.09 0.89 0.00	95.92 1.80 -0.18	101.81 0.75 0.00	43.49 -0.01 -1.62	65.19 0.21 -0.76	31.20 -0.32 -1.43	60.05 -0.26 -2.28	40.45 -0.06 -4.09	70.08 -0.32 -0.69	35.25 -0.52 -2.70	35.82 -1.14 -2.26	36.44 -1.56 -0.85	37.54 -1.62 0.00	38.27 -1.02 -0.03	47.77 -1.29 -0.15	85.77 -1.47 0.00	74.95 -0.12 -1.06	32.80 0.25 -5.78	34.69 0.31 -3.22	77.76 0.35 3.82	85.06 0.12 0.88	124.47 1.13 0.00	96.86 -0.66 -0.27	95.55 -1.21 0.00
BLACKRVR_115KV_TB2 79977	73.08 0.88 0.00	95.91 1.79 -0.18	101.81 0.76 0.00	43.49 -0.01 -1.62	65.19 0.21 -0.76	31.20 -0.32 -1.43	60.06 -0.26 -2.28	40.45 -0.06 -4.09	70.08 -0.32 -0.69	35.25 -0.51 -2.70	35.82 -1.14 -2.26	36.44 -1.56 -0.85	37.55 -1.62 0.00	38.26 -1.02 -0.03	47.77 -1.28 -0.15	85.77 -1.47 0.00	74.94 -0.12 -1.06	32.80 0.26 -5.78	34.69 0.32 -3.22	77.76 0.35 3.82	85.06 0.12 0.88	124.47 1.13 0.00	96.85 -0.67 -0.27	95.56 -1.20 0.00
BLISS_WT_PWR 323608	55.44 -6.52 10.24	75.65 -8.15 10.14	79.79 -10.20 11.07	33.85 -3.93 4.09	59.42 -4.98 -0.18	28.77 -2.56 -1.23	55.59 -4.49 -2.04	36.23 -3.44 -3.25	51.79 -6.35 11.57	29.06 -3.35 0.65	30.94 -3.86 -0.11	30.44 -4.69 2.02	27.94 -4.92 6.30	28.00 -5.01 6.24	36.54 -6.05 6.31	62.33 -10.90 14.01	35.71 -9.71 28.58	27.91 -3.45 -4.58	34.09 -3.92 -6.85	46.01 -10.42 24.80	69.47 -9.83 6.52	95.66 -13.29 14.38	78.59 -11.23 7.44	85.72 -10.80 0.24
BLUESTONE___WT_PWR 323821	76.47 0.80 -3.48	96.43 1.23 -1.26	102.00 0.51 -0.43	56.89 0.66 -14.35	73.52 0.90 -8.40	50.05 0.82 -19.13	93.49 2.05 -33.40	80.03 1.02 -42.59	81.60 2.03 -9.87	52.35 0.16 -19.12	50.42 0.22 -15.51	43.11 0.14 -5.81	40.55 0.08 -1.30	38.96 -0.78 -0.48	48.83 -1.11 -1.04	86.87 -1.38 -1.01	89.34 -0.59 -15.93	67.25 0.19 -40.28	72.28 0.01 -41.12	99.01 -0.42 -18.21	94.19 -0.35 -8.72	122.67 -1.14 -0.48	97.90 -1.65 -2.30	94.79 -1.97 0.00
BLUE_CIRC_CHEM_DRP 24182	82.98 3.14 -7.64	102.38 4.09 -4.35	105.32 4.26 0.00	86.10 1.85 -42.37	97.12 2.85 -30.06	97.78 1.32 -66.36	183.95 2.47 -123.44	187.54 1.46 -149.66	107.14 2.71 -34.73	98.66 1.21 -64.38	89.44 1.17 -53.58	58.50 1.28 -20.07	40.40 1.24 0.00	41.25 1.24 -0.75	54.02 1.53 -3.59	90.07 2.83 0.00	101.64 2.66 -24.97	164.88 0.95 -137.15	174.12 1.09 -141.88	123.92 2.81 -39.87	119.23 3.03 -30.38	127.59 4.25 0.00	107.26 3.73 -6.27	100.54 3.79 0.00
BOC_GAS_DRP 24189	82.00 2.64 -7.16	101.71 3.37 -4.40	104.59 3.53 0.00	85.93 1.54 -42.50	96.06 2.37 -29.48	95.85 1.11 -64.64	179.20 2.10 -119.05	185.49 1.29 -147.78	106.37 2.51 -34.15	99.31 1.23 -65.02	90.06 1.26 -54.11	58.79 1.37 -20.26	40.50 1.34 0.00	41.38 1.36 -0.76	54.21 1.68 -3.63	90.08 2.84 0.00	101.69 2.46 -25.21	166.15 0.88 -138.50	175.44 1.01 -143.27	123.83 2.59 -40.01	118.90 2.75 -30.33	127.06 3.73 0.00	106.78 3.20 -6.33	99.89 3.13 0.00
BOONVILLE_115KV_TB1 79983	73.88 1.69 0.00	96.50 2.45 -0.11	103.26 2.20 0.00	43.72 0.84 -0.99	66.11 1.42 -0.47	31.41 0.44 -0.87	60.49 1.06 -1.40	39.67 0.74 -2.51	71.40 1.22 -0.47	35.08 0.35 -1.66	36.27 0.19 -1.39	37.75 0.08 -0.52	39.30 0.13 0.00	39.63 0.35 -0.02	49.34 0.35 -0.09	88.06 0.82 0.00	75.98 1.33 -0.65	30.93 0.61 -3.54	34.59 0.70 -2.73	81.95 1.61 0.88	87.39 1.58 0.01	126.28 2.95 0.00	98.89 1.47 -0.16	97.78 1.02 0.00
BORALEX_4TH_BRANCH 23824	89.49 5.39 -11.90	105.23 6.88 -4.41	108.39 7.33 0.00	90.04 3.12 -45.04	106.15 4.90 -37.03	117.47 2.32 -85.06	233.90 4.45 -171.41	230.01 2.68 -190.91	119.12 5.26 -44.16	100.84 2.63 -65.15	91.60 2.69 -54.22	60.16 2.71 -20.31	41.70 2.54 0.00	42.66 2.64 -0.76	56.07 3.54 -3.64	93.65 6.41 0.00	104.56 5.29 -25.27	167.52 1.96 -138.79	177.04 2.32 -143.57	130.02 5.94 -42.85	126.42 6.42 -34.18	132.30 8.97 0.00	110.59 6.99 -6.34	103.59 6.84 0.00
BOWLINE___1 23526	79.73 3.96 -3.57	102.35 4.90 -3.51	106.24 5.18 0.00	76.97 2.24 -32.84	87.78 3.42 -20.15	74.27 1.74 -42.44	134.16 3.54 -72.58	141.60 2.40 -102.77	97.68 4.43 -23.54	87.17 2.16 -51.95	80.26 2.34 -43.23	55.85 2.51 -16.19	41.74 2.58 0.00	42.54 2.68 -0.61	55.13 3.33 -2.90	92.78 5.54 0.00	98.88 4.72 -20.15	139.27 1.83 -110.66	147.77 2.14 -114.47	117.42 5.27 -30.93	113.97 5.35 -22.80	130.40 7.07 0.00	107.72 5.41 -5.06	101.77 5.02 0.00
BOWLINE___2 23595	79.83 4.06 -3.57	102.52 5.07 -3.51	106.38 5.33 0.00	77.04 2.31 -32.85	87.90 3.53 -20.15	74.31 1.77 -42.44	134.28 3.65 -72.59	141.67 2.47 -102.79	97.80 4.55 -23.54	87.23 2.21 -51.95	80.32 2.40 -43.23	55.91 2.57 -16.19	41.80 2.64 0.00	42.58 2.72 -0.61	55.20 3.40 -2.90	92.90 5.65 0.00	98.99 4.84 -20.15	139.32 1.88 -110.67	147.83 2.19 -114.48	117.56 5.41 -30.93	114.10 5.47 -22.80	130.62 7.29 0.00	107.88 5.57 -5.06	101.92 5.17 0.00
BRADY___115KV_TB2 356060	72.67 0.47 0.00	94.53 0.60 0.00	101.72 0.67 0.00	42.04 0.15 0.00	64.38 0.17 0.00	29.91 -0.18 0.00	57.48 -0.56 0.00	36.01 -0.42 0.00	68.17 -0.67 0.87	32.62 -0.36 0.08	34.42 -0.27 0.00	36.83 -0.33 0.00	38.90 -0.27 0.00	39.21 -0.05 0.00	48.93 0.03 0.00	87.55 0.31 0.00	74.07 0.06 0.00	26.43 -0.25 0.09	17.54 -0.27 13.35	55.32 -0.25 25.66	76.25 -0.25 9.32	124.15 0.81 0.00	97.60 0.35 0.00	97.81 1.05 0.00
BRANSCOMB___SOLAR 323811	92.92 5.58 -15.14	105.67 7.19 -4.54	108.69 7.64 0.00	93.04 3.24 -47.92	112.04 5.09 -42.73	132.56 2.46 -100.01	270.59 4.98 -207.57	259.22 3.08 -219.72	126.22 5.57 -50.95	102.65 2.43 -67.16	92.90 2.33 -55.88	60.40 2.32 -20.93	41.41 2.25 0.00	42.33 2.29 -0.79	55.79 3.14 -3.75	93.37 6.13 0.00	105.74 5.68 -26.05	172.05 2.22 -143.06	181.73 2.58 -147.99	133.48 6.58 -45.68	130.05 6.92 -37.31	132.84 9.51 0.00	111.06 7.27 -6.54	103.80 7.05 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	82.57 6.68 -3.69	105.99 8.42 -3.62	109.89 8.83 0.00	79.51 3.77 -33.86	90.74 5.75 -20.77	76.62 2.77 -43.76	138.44 5.54 -74.85	145.80 3.40 -105.98	100.32 6.34 -24.27	89.88 3.27 -53.55	82.94 3.69 -44.56	57.66 3.82 -16.69	43.12 3.96 0.00	43.99 4.11 -0.63	69.88 5.34 -15.65	128.00 9.12 -31.64	144.35 7.72 -62.62	156.23 2.88 -126.58	152.24 3.08 -118.00	121.08 7.97 -31.88	117.69 8.36 -23.50	134.95 11.61 0.00	111.37 8.90 -5.21	105.17 8.41 0.00



BRISTLHL_115KV_TB1 79998	70.21 -1.99 0.00	91.62 -2.60 -0.29	98.07 -2.99 0.00	43.18 -1.24 -2.53	63.63 -1.77 -1.18	31.65 -0.68 -2.23	60.45 -1.15 -3.56	42.14 -0.66 -6.39	69.63 -1.44 -1.36	36.52 -0.79 -4.24	37.25 -0.97 -3.53	37.38 -1.10 -1.32	37.96 -1.21 0.00	38.08 -1.23 -0.05	47.60 -1.54 -0.24	84.66 -2.58 0.00	73.79 -1.87 -1.65	35.41 -0.41 -9.04	40.02 -0.49 -9.36	81.91 -1.68 -2.37	85.73 -1.74 -1.65	120.39 -2.94 0.00	95.15 -2.52 -0.41	94.18 -2.58 0.00
BROOKHAVEN___DRP 24191	82.15 6.27 -3.69	105.61 8.05 -3.62	109.50 8.44 0.00	79.37 3.63 -33.86	90.51 5.52 -20.77	76.43 2.57 -43.76	138.04 5.14 -74.85	145.50 3.10 -105.98	99.66 5.68 -24.27	89.56 2.94 -53.55	82.54 3.28 -44.56	57.17 3.33 -16.69	42.73 3.57 0.00	43.68 3.80 -0.63	69.50 4.95 -15.65	127.16 8.28 -31.64	143.78 7.15 -62.62	156.07 2.72 -126.58	152.13 2.97 -118.00	120.70 7.59 -31.88	117.13 7.80 -23.50	134.12 10.78 0.00	110.71 8.23 -5.21	104.51 7.75 0.00
BROOKLYN_NAVY_YARD 23515	80.88 4.99 -3.69	103.65 6.09 -3.62	107.51 6.45 0.00	78.54 2.79 -33.87	89.29 4.29 -20.78	76.03 2.16 -43.77	137.20 4.29 -74.88	145.37 2.94 -106.01	99.59 5.61 -24.28	89.44 2.81 -53.56	82.37 3.11 -44.57	57.30 3.45 -16.69	42.72 3.55 0.00	43.50 3.62 -0.63	56.41 4.52 -2.99	94.66 7.42 0.00	100.78 6.00 -20.77	143.16 2.28 -114.10	151.82 2.62 -118.04	119.61 6.50 -31.89	115.94 6.61 -23.51	132.18 8.84 0.00	109.26 6.79 -5.21	103.09 6.33 0.00
BROOKLYN___ARMY_DRP 323595	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
BROOKVLE_69_KV_TB1 55790	82.20 6.31 -3.69	105.48 7.92 -3.62	109.38 8.33 0.00	79.28 3.54 -33.86	90.42 5.43 -20.77	76.50 2.64 -43.76	138.08 5.18 -74.85	145.73 3.33 -105.98	100.28 6.30 -24.27	89.73 3.12 -53.55	82.80 3.55 -44.56	57.62 3.78 -16.69	43.10 3.93 0.00	43.90 4.02 -0.63	69.62 5.07 -15.65	127.50 8.62 -31.64	143.86 7.23 -62.62	156.10 2.75 -126.58	152.25 3.09 -118.00	120.91 7.81 -31.88	117.38 8.05 -23.50	134.35 11.01 0.00	110.72 8.25 -5.21	104.52 7.77 0.00
BROOME_2_LFGE 323671	71.71 -0.61 -0.13	94.40 -0.70 -1.16	99.61 -1.07 0.37	50.51 -0.48 -9.11	70.66 -0.53 -6.98	44.25 -0.10 -14.25	84.07 0.08 -25.95	72.03 0.09 -35.52	77.79 -0.08 -8.16	49.52 -0.34 -16.80	48.63 -0.40 -14.33	41.93 -0.59 -5.37	38.68 -0.49 0.00	38.90 -0.56 -0.20	49.21 -0.65 -0.96	85.28 -1.09 0.87	72.27 -0.93 0.81	62.89 -0.06 -36.17	68.97 -0.08 -37.89	85.15 -0.64 -4.57	93.03 -0.49 -7.70	121.77 -1.15 0.42	97.56 -0.95 -1.26	95.73 -1.03 0.00
BROOME___LFGE 323600	71.71 -0.61 -0.13	94.40 -0.70 -1.16	99.61 -1.07 0.37	50.51 -0.48 -9.11	70.66 -0.53 -6.98	44.25 -0.10 -14.25	84.07 0.08 -25.95	72.03 0.09 -35.52	77.79 -0.08 -8.16	49.52 -0.34 -16.80	48.63 -0.40 -14.33	41.93 -0.59 -5.37	38.68 -0.49 0.00	38.90 -0.56 -0.20	49.21 -0.65 -0.96	85.28 -1.09 0.87	72.27 -0.93 0.81	62.89 -0.06 -36.17	68.97 -0.08 -37.89	85.15 -0.64 -4.57	93.03 -0.49 -7.70	121.77 -1.15 0.42	97.56 -0.95 -1.26	95.73 -1.03 0.00
BROWNFLS_115KV_TB_3_5 80003	72.41 0.22 0.00	94.58 0.55 -0.09	101.06 0.00 0.00	42.51 -0.19 -0.82	64.40 -0.20 -0.38	30.19 -0.62 -0.72	57.86 -1.33 -1.15	37.56 -0.91 -2.06	67.90 -1.74 0.06	33.48 -0.91 -1.32	34.83 -1.00 -1.14	36.45 -1.13 -0.43	38.07 -1.09 0.00	38.58 -0.69 -0.02	48.06 -0.92 -0.08	85.48 -1.76 0.00	73.26 -1.27 -0.53	29.13 -0.51 -2.86	25.86 -0.57 4.73	65.69 -1.43 14.10	79.42 -1.52 4.87	123.13 -0.21 0.00	96.26 -1.13 -0.13	95.72 -1.03 0.00
BROWNSV1_27_KV_LOAD 356125	81.66 5.77 -3.69	104.67 7.11 -3.62	108.59 7.54 0.00	78.98 3.23 -33.87	89.95 4.95 -20.78	76.35 2.48 -43.77	137.90 4.99 -74.88	145.80 3.37 -106.01	100.40 6.42 -24.28	89.81 3.18 -53.56	82.78 3.51 -44.57	57.70 3.85 -16.69	43.14 3.97 0.00	43.93 4.06 -0.63	56.93 5.04 -2.99	95.61 8.37 0.00	101.61 6.83 -20.77	143.48 2.61 -114.10	152.18 2.99 -118.04	120.52 7.40 -31.89	116.96 7.62 -23.51	133.60 10.27 0.00	110.32 7.85 -5.21	104.18 7.42 0.00
BURROWS___LYONSDAL 23803	73.65 1.45 0.00	96.27 2.21 -0.12	102.84 1.79 0.00	43.54 0.63 -1.03	65.82 1.12 -0.48	31.15 0.15 -0.90	59.99 0.50 -1.45	39.38 0.36 -2.59	70.68 0.52 -0.45	34.80 0.02 -1.72	35.93 -0.19 -1.43	37.36 -0.32 -0.54	38.90 -0.26 0.00	39.34 0.06 -0.02	48.90 -0.09 -0.10	87.25 0.01 0.00	75.35 0.68 -0.67	30.81 0.38 -3.66	33.83 0.43 -2.25	80.13 0.92 2.02	86.24 0.83 0.41	125.59 2.26 0.00	98.17 0.74 -0.17	96.94 0.18 0.00
CAITHNESS_CC_1 323624	81.99 6.11 -3.69	105.36 7.80 -3.62	109.22 8.17 0.00	79.25 3.50 -33.86	90.33 5.34 -20.77	76.37 2.51 -43.76	137.91 5.01 -74.85	145.46 3.06 -105.98	99.60 5.62 -24.27	89.52 2.91 -53.55	82.51 3.26 -44.56	57.18 3.33 -16.69	42.72 3.55 0.00	43.64 3.76 -0.63	69.43 4.88 -15.65	127.06 8.17 -31.64	143.65 7.02 -62.62	156.01 2.66 -126.58	152.05 2.89 -118.00	120.51 7.40 -31.88	116.93 7.60 -23.50	133.86 10.53 0.00	110.54 8.08 -5.21	104.36 7.60 0.00
CALPINE BETH_PAGE_GT4 24209	81.65 5.76 -3.69	104.77 7.21 -3.62	108.62 7.56 0.00	78.96 3.22 -33.86	89.91 4.92 -20.77	76.26 2.40 -43.76	137.70 4.80 -74.85	145.46 3.07 -105.98	99.72 5.74 -24.27	89.50 2.89 -53.55	82.50 3.25 -44.56	57.27 3.43 -16.69	42.72 3.56 0.00	43.57 3.69 -0.63	69.28 4.74 -15.65	126.93 8.04 -31.64	143.38 6.75 -62.62	155.93 2.58 -126.58	152.03 2.87 -118.00	120.40 7.29 -31.88	116.80 7.47 -23.50	133.51 10.18 0.00	110.13 7.66 -5.21	104.01 7.26 0.00
CALPINE_BETH_PAGE_GT_4 323586	81.65 5.76 -3.69	104.77 7.21 -3.62	108.62 7.56 0.00	78.96 3.22 -33.86	89.91 4.92 -20.77	76.26 2.40 -43.76	137.70 4.80 -74.85	145.46 3.07 -105.98	99.72 5.74 -24.27	89.50 2.89 -53.55	82.50 3.25 -44.56	57.27 3.43 -16.69	42.72 3.56 0.00	43.57 3.69 -0.63	69.28 4.74 -15.65	126.93 8.05 -31.64	143.38 6.76 -62.62	155.93 2.58 -126.58	152.04 2.88 -118.00	120.42 7.31 -31.88	116.80 7.47 -23.50	133.51 10.18 0.00	110.13 7.66 -5.21	104.01 7.25 0.00
CALPINE_BP_GT1 23823	81.65 5.76 -3.69	104.77 7.21 -3.62	108.62 7.56 0.00	78.96 3.22 -33.86	89.91 4.92 -20.77	76.26 2.40 -43.76	137.70 4.80 -74.85	145.46 3.07 -105.98	99.72 5.74 -24.27	89.50 2.89 -53.55	82.50 3.25 -44.56	57.27 3.43 -16.69	42.72 3.56 0.00	43.57 3.69 -0.63	69.28 4.74 -15.65	126.93 8.05 -31.64	143.38 6.76 -62.62	155.93 2.58 -126.58	152.04 2.88 -118.00	120.42 7.31 -31.88	116.80 7.47 -23.50	133.51 10.18 0.00	110.13 7.66 -5.21	104.01 7.25 0.00
CALSPAN___DRP 24200	51.20 -6.48 14.52	68.98 -8.43 16.53	74.60 -9.55 16.91	30.51 -4.21 7.17	56.24 -5.77 2.21	25.33 -2.55 2.22	48.48 -4.30 5.26	26.10 -3.03 7.29	42.46 -5.92 21.32	23.27 -3.20 6.59	26.05 -3.56 5.08	27.81 -4.16 5.18	24.68 -4.45 10.03	24.67 -4.59 9.99	32.95 -5.58 10.37	56.69 -9.86 20.69	31.10 -8.39 34.51	18.79 -2.74 5.25	25.19 -3.05 2.92	39.78 -8.58 32.87	64.80 -7.88 13.14	89.32 -11.90 22.10	76.51 -9.06 11.69	88.02 -8.36 0.38



CALVERTON___SOLAR 323806	82.37 6.49 -3.69	105.95 8.39 -3.62	109.86 8.81 0.00	79.52 3.78 -33.86	90.74 5.75 -20.77	76.52 2.67 -43.76	138.24 5.34 -74.85	145.61 3.21 -105.98	99.81 5.83 -24.27	89.62 3.01 -53.55	82.57 3.32 -44.56	57.19 3.35 -16.69	42.76 3.60 0.00	43.77 3.88 -0.63	69.61 5.06 -15.65	127.36 8.48 -31.64	143.99 7.37 -62.62	156.18 2.83 -126.58	152.26 3.10 -118.00	121.01 7.90 -31.88	117.41 8.09 -23.50	134.47 11.14 0.00	110.95 8.48 -5.21	104.74 7.98 0.00
CANDIGU_WT_PWR 323617	-4.80 -5.20 71.80	-5.78 -6.67 93.05	3.83 -7.67 89.56	-8.12 -3.15 46.86	33.14 -4.56 26.52	-9.09 -1.84 37.35	-21.46 -3.09 76.41	-76.78 -1.90 111.29	-68.01 -4.06 133.65	-38.46 -2.39 69.14	-26.29 -2.69 58.29	-6.00 -3.33 39.82	-19.23 -3.34 55.06	-19.34 -3.40 55.19	-14.09 -4.12 58.87	-26.04 -7.23 106.05	-72.73 -5.90 140.84	-77.45 -1.68 102.55	-67.05 -1.91 96.30	-78.11 -5.50 153.84	-7.99 -5.62 88.20	-3.33 -9.01 117.65	25.99 -7.12 64.14	87.66 -7.03 2.07
CARR STREET_E_SYR 24060	70.45 -1.75 0.00	92.00 -2.27 -0.33	98.41 -2.65 0.00	43.69 -1.09 -2.90	64.04 -1.53 -1.35	32.08 -0.57 -2.55	61.20 -0.91 -4.08	43.21 -0.52 -7.31	70.07 -1.20 -1.56	37.23 -0.69 -4.86	37.86 -0.87 -4.05	37.62 -1.05 -1.51	38.03 -1.14 0.00	38.14 -1.17 -0.06	47.70 -1.47 -0.27	84.81 -2.43 0.00	74.13 -1.76 -1.89	36.75 -0.38 -10.35	41.40 -0.47 -10.71	82.32 -1.62 -2.72	86.09 -1.62 -1.89	120.56 -2.77 0.00	95.44 -2.29 -0.47	94.37 -2.38 0.00
CARTHAGE___PAPER 23857	73.49 1.30 0.00	96.35 2.24 -0.16	102.44 1.39 0.00	43.62 0.29 -1.44	65.54 0.65 -0.67	31.15 -0.21 -1.27	59.93 -0.14 -2.03	40.05 -0.02 -3.64	70.07 -0.20 -0.57	35.07 -0.39 -2.40	35.85 -0.86 -2.02	36.73 -1.18 -0.75	37.99 -1.18 0.00	38.67 -0.61 -0.03	48.23 -0.81 -0.14	86.33 -0.91 0.00	75.15 0.20 -0.94	32.17 0.26 -5.14	33.53 0.30 -2.07	76.82 0.51 4.92	84.81 0.33 1.34	125.20 1.86 0.00	97.46 -0.03 -0.24	96.19 -0.57 0.00
CASSADAGA_WT_PWR 323784	52.70 -7.74 11.76	71.72 -9.89 12.33	77.34 -10.63 13.09	31.74 -4.91 5.23	56.35 -7.22 0.65	26.97 -3.13 0.00	52.43 -5.10 0.51	32.30 -3.70 0.42	47.83 -6.94 14.93	26.59 -3.72 2.75	28.65 -4.35 1.70	29.10 -4.94 3.11	26.27 -5.31 7.59	26.27 -5.46 7.53	34.43 -6.77 7.70	59.04 -11.86 16.34	33.16 -9.92 30.92	24.42 -3.49 -1.13	30.68 -3.92 -3.44	42.78 -10.64 27.80	66.87 -10.15 8.80	91.04 -15.25 17.05	76.66 -11.68 8.91	85.41 -11.06 0.29
CE_DUNWOOD___DRP 24194	80.59 4.71 -3.68	103.42 5.87 -3.61	107.24 6.19 0.00	78.34 2.66 -33.80	89.03 4.07 -20.73	75.81 2.04 -43.68	136.88 4.12 -74.72	144.97 2.76 -105.79	99.14 5.20 -24.23	89.06 2.55 -53.45	81.96 2.79 -44.48	56.83 3.01 -16.66	42.26 3.09 0.00	43.06 3.18 -0.63	55.87 3.98 -2.98	93.88 6.64 0.00	100.28 5.54 -20.73	142.76 2.13 -113.86	151.40 2.46 -117.78	119.13 6.09 -31.83	115.51 6.23 -23.46	131.67 8.33 0.00	108.85 6.39 -5.20	102.76 6.00 0.00
CE_MILLWOOD___DRP 24193	80.42 4.55 -3.67	103.19 5.65 -3.60	107.02 5.97 0.00	78.12 2.57 -33.67	88.79 3.92 -20.65	75.58 1.97 -43.51	136.47 3.99 -74.44	144.48 2.68 -105.38	98.86 5.01 -24.14	88.76 2.45 -53.25	81.67 2.67 -44.31	56.63 2.89 -16.59	42.11 2.95 0.00	42.91 3.04 -0.62	55.67 3.80 -2.97	93.61 6.37 0.00	100.00 5.34 -20.65	142.25 2.06 -113.42	150.87 2.38 -117.33	118.82 5.90 -31.70	115.23 6.03 -23.37	131.39 8.06 0.00	108.62 6.19 -5.18	102.55 5.79 0.00
CE_NYC2_DRP 24202	81.09 5.21 -3.69	103.94 6.37 -3.62	107.83 6.78 0.00	78.67 2.91 -33.87	89.45 4.46 -20.78	76.10 2.23 -43.78	137.36 4.44 -74.88	145.47 3.03 -106.02	99.82 5.83 -24.28	89.50 2.87 -53.57	82.51 3.24 -44.58	57.42 3.56 -16.70	42.79 3.63 0.00	43.59 3.71 -0.63	56.48 4.59 -2.99	94.76 7.52 0.00	100.95 6.17 -20.77	143.22 2.33 -114.11	151.86 2.66 -118.05	119.74 6.62 -31.89	116.08 6.74 -23.51	132.35 9.02 0.00	109.42 6.95 -5.21	103.40 6.65 0.00
CE_NYC_DRP 24195	80.96 5.08 -3.69	103.76 6.19 -3.62	107.67 6.61 0.00	78.58 2.84 -33.87	89.35 4.35 -20.78	76.06 2.19 -43.77	137.29 4.38 -74.87	145.41 2.98 -106.00	99.67 5.68 -24.28	89.48 2.85 -53.56	82.43 3.16 -44.57	57.32 3.47 -16.69	42.75 3.58 0.00	43.54 3.66 -0.63	56.45 4.57 -2.99	94.74 7.50 0.00	100.87 6.09 -20.77	143.19 2.32 -114.10	151.84 2.65 -118.03	119.65 6.53 -31.89	116.01 6.68 -23.51	132.27 8.94 0.00	109.31 6.85 -5.21	103.18 6.42 0.00
CHAFFEE___LFGE 323603	54.12 -5.71 12.36	73.21 -7.42 13.30	78.63 -8.46 13.96	32.50 -3.76 5.62	58.07 -5.15 1.00	27.39 -2.22 0.49	52.76 -3.69 1.58	31.80 -2.64 1.99	48.15 -5.15 16.41	26.57 -2.89 3.60	28.93 -3.29 2.46	29.85 -3.72 3.59	27.09 -3.92 8.15	27.07 -4.08 8.10	35.60 -4.98 8.32	61.10 -8.82 17.32	34.85 -7.63 31.52	23.97 -2.51 0.30	30.41 -2.75 -2.00	44.82 -7.60 28.80	69.19 -6.83 9.80	94.70 -10.43 18.21	79.71 -8.00 9.54	88.96 -7.49 0.31
CHATEAUG_35_KV_LOAD 355732	71.14 -1.06 0.00	92.38 -1.56 0.00	99.47 -1.59 0.00	41.15 -0.73 0.00	62.83 -1.39 0.00	29.16 -0.93 0.00	55.87 -2.17 0.00	35.01 -1.41 0.00	66.23 -2.54 0.94	32.18 -1.25 -0.37	35.24 -1.29 -1.83	41.80 -1.27 -5.91	42.47 -1.27 -4.58	41.61 -1.23 -3.59	50.16 -1.38 -2.64	85.60 -2.32 -0.69	78.65 -2.22 -6.86	30.41 -1.10 -4.73	18.67 -1.23 11.25	52.77 -2.72 25.74	73.09 -2.63 10.10	120.18 -3.15 0.00	95.09 -2.93 -0.77	94.51 -2.25 0.00
CHATEAUG_WT_PWR 323614	71.05 -1.15 0.00	92.28 -1.66 0.00	99.30 -1.76 0.00	41.07 -0.81 0.00	62.76 -1.46 0.00	29.14 -0.96 0.00	55.78 -2.26 0.00	34.92 -1.50 0.00	65.97 -2.78 0.96	27.24 -1.35 4.47	15.80 -1.33 17.57	-20.84 -1.34 56.65	-6.00 -1.31 43.86	3.58 -1.30 34.38	22.03 -1.54 25.33	77.99 -2.64 6.60	5.73 -2.51 65.77	-20.88 -1.21 46.45	-15.71 -1.37 45.50	30.20 -3.06 47.96	72.54 -2.98 10.30	119.76 -3.58 0.00	86.57 -3.35 7.34	94.14 -2.62 0.00
CHAT_HIGH_FALL_HYD 323578	71.14 -1.06 0.00	92.38 -1.56 0.00	99.47 -1.59 0.00	41.15 -0.73 0.00	62.83 -1.39 0.00	29.16 -0.93 0.00	55.87 -2.17 0.00	35.01 -1.41 0.00	66.23 -2.54 0.94	32.18 -1.25 -0.37	35.24 -1.29 -1.83	41.80 -1.27 -5.91	42.47 -1.27 -4.58	41.61 -1.23 -3.59	50.16 -1.38 -2.64	85.60 -2.32 -0.69	78.65 -2.22 -6.86	30.41 -1.10 -4.73	18.67 -1.23 11.25	52.77 -2.72 25.74	73.09 -2.63 10.10	120.18 -3.15 0.00	95.09 -2.93 -0.77	94.51 -2.25 0.00
CHAUTAUQUA___LFGE 323629	51.21 -7.15 13.85	69.30 -9.21 15.43	74.96 -10.17 15.93	30.60 -4.58 6.70	55.93 -6.51 1.78	25.63 -2.85 1.62	49.40 -4.70 3.94	27.73 -3.32 5.37	43.63 -6.45 19.63	24.01 -3.50 5.56	26.49 -4.05 4.15	27.95 -4.58 4.62	24.85 -4.92 9.39	24.78 -5.13 9.35	32.94 -6.29 9.67	56.54 -11.10 19.60	30.83 -9.29 33.89	20.19 -3.11 3.47	26.57 -3.46 1.12	39.94 -9.53 31.76	64.97 -8.87 11.98	89.09 -13.44 20.80	76.04 -10.24 10.97	86.67 -9.73 0.35
CHERRYST_13_KV_LD 356241	81.16 5.27 -3.69	104.02 6.45 -3.62	107.91 6.85 0.00	78.70 2.95 -33.87	89.53 4.53 -20.78	76.15 2.28 -43.77	137.48 4.56 -74.87	145.52 3.10 -106.00	99.92 5.93 -24.28	89.59 2.96 -53.56	82.56 3.30 -44.57	57.47 3.62 -16.69	42.89 3.73 0.00	43.70 3.82 -0.63	56.64 4.75 -2.99	95.08 7.84 0.00	101.15 6.37 -20.77	143.30 2.42 -114.10	151.95 2.76 -118.03	119.90 6.78 -31.89	116.28 6.95 -23.51	132.64 9.30 0.00	109.59 7.12 -5.21	103.44 6.68 0.00



CHESTROR_138KV_BK263 355645	79.40 3.78 -3.42	102.02 4.71 -3.37	106.01 4.96 0.00	75.51 2.15 -31.48	86.80 3.28 -19.31	72.43 1.66 -40.67	131.00 3.41 -69.55	137.19 2.28 -98.49	96.47 4.20 -22.56	84.84 1.98 -49.79	78.25 2.13 -41.43	54.93 2.26 -15.52	41.48 2.31 0.00	42.24 2.40 -0.58	54.68 3.00 -2.78	92.32 5.08 0.00	97.74 4.42 -19.31	134.57 1.73 -106.06	142.89 2.02 -109.72	115.84 4.97 -29.64	112.76 5.08 -21.85	130.04 6.71 0.00	107.23 5.13 -4.85	101.54 4.78 0.00
CH_MIDHUDSON___DRP 24192	80.85 4.86 -3.80	103.72 6.10 -3.68	107.50 6.44 0.00	79.11 2.75 -34.48	89.67 4.24 -21.21	76.93 2.10 -44.73	139.00 4.28 -76.68	147.46 2.95 -108.09	100.00 5.53 -24.77	90.10 2.61 -54.42	82.78 2.80 -45.29	57.10 2.99 -16.96	42.20 3.03 0.00	43.00 3.11 -0.64	55.87 3.93 -3.04	94.06 6.83 0.00	101.00 5.89 -21.10	144.95 2.25 -115.93	153.70 2.62 -119.92	120.18 6.52 -32.43	116.46 6.71 -23.92	132.28 8.95 0.00	109.39 6.84 -5.30	103.21 6.45 0.00
CH_MISC_IPPS 23765	81.11 5.18 -3.73	104.06 6.50 -3.62	107.92 6.86 0.00	78.69 2.93 -33.88	89.57 4.51 -20.84	76.29 2.25 -43.94	137.93 4.61 -75.28	145.74 3.12 -106.20	99.78 5.76 -24.32	89.24 2.70 -53.48	82.06 2.86 -44.50	56.88 3.06 -16.67	42.29 3.13 0.00	43.07 3.19 -0.63	55.93 4.04 -2.99	94.32 7.08 0.00	100.95 6.20 -20.74	143.05 2.36 -113.92	151.76 2.76 -117.85	119.95 6.87 -31.86	116.36 7.03 -23.50	132.73 9.40 0.00	109.61 7.15 -5.21	103.48 6.72 0.00
CH_RES_BVR_FALLS 23983	71.16 -1.05 0.00	92.45 -1.49 0.00	99.71 -1.34 0.00	41.31 -0.57 0.00	63.10 -1.12 0.00	29.27 -0.82 0.00	56.17 -1.87 0.00	35.21 -1.21 0.00	65.96 -2.27 1.48	31.89 -1.04 0.13	33.75 -0.94 0.00	36.22 -0.93 0.00	38.31 -0.85 0.00	38.40 -0.85 0.00	47.77 -1.13 0.00	85.26 -1.97 0.00	72.12 -1.89 0.00	25.73 -0.88 0.16	7.42 -0.98 22.76	35.18 -2.32 43.73	67.44 -2.49 15.89	120.83 -2.50 0.00	94.98 -2.28 0.00	94.58 -2.18 0.00
CH_RES_NIAGARA 23895	52.79 -8.15 11.27	70.83 -10.57 12.54	76.19 -11.85 13.01	31.75 -5.15 4.99	55.84 -7.23 1.14	26.16 -3.26 0.68	50.22 -5.66 2.16	29.60 -3.98 2.85	46.34 -7.70 15.67	25.34 -4.01 3.71	27.57 -4.41 2.71	28.58 -5.05 3.53	26.01 -5.48 7.67	25.95 -5.69 7.62	34.12 -6.93 7.85	58.94 -12.31 15.99	36.01 -10.60 27.40	22.11 -3.54 1.12	28.04 -3.98 -0.86	44.62 -11.08 25.52	66.10 -10.29 9.43	90.96 -15.39 16.99	76.54 -11.83 8.89	85.65 -10.82 0.29
CH_RES_SYRACUSE 23985	71.10 -1.10 0.00	92.85 -1.45 -0.37	99.29 -1.77 0.00	44.40 -0.72 -3.24	64.78 -0.96 -1.52	32.65 -0.29 -2.85	62.21 -0.38 -4.56	44.41 -0.19 -8.18	70.86 -0.60 -1.75	38.06 -0.43 -5.44	38.60 -0.62 -4.52	38.08 -0.77 -1.69	38.31 -0.85 0.00	38.44 -0.88 -0.06	48.11 -1.10 -0.30	85.50 -1.74 0.00	75.03 -1.08 -2.11	38.24 -0.11 -11.58	42.98 -0.16 -11.98	83.45 -0.81 -3.04	87.14 -0.80 -2.11	121.65 -1.68 0.00	96.31 -1.48 -0.53	95.23 -1.52 0.00
CLINTON_WT_PWR 323605	71.05 -1.15 0.00	92.28 -1.66 0.00	99.30 -1.76 0.00	41.07 -0.81 0.00	62.76 -1.46 0.00	29.14 -0.96 0.00	55.78 -2.26 0.00	34.92 -1.50 0.00	65.97 -2.78 0.96	27.24 -1.35 4.47	15.80 -1.33 17.57	-20.84 -1.34 56.65	-6.00 -1.31 43.86	3.58 -1.30 34.38	22.03 -1.54 25.33	77.99 -2.64 6.60	5.73 -2.51 65.77	-20.88 -1.21 46.45	-15.71 -1.37 45.50	30.20 -3.06 47.96	72.54 -2.98 10.30	119.76 -3.58 0.00	86.57 -3.35 7.34	94.14 -2.62 0.00
CLINTON___LFGE 323618	72.33 0.13 0.00	93.92 -0.02 0.00	100.92 -0.14 0.00	41.74 -0.15 0.00	63.73 -0.48 0.00	29.59 -0.51 0.00	56.77 -1.27 0.00	35.60 -0.82 0.00	67.20 -1.56 0.95	35.41 -0.83 -3.19	46.98 -0.81 -13.10	78.56 -0.85 -42.25	71.06 -0.82 -32.71	64.10 -0.80 -25.64	66.91 -0.88 -18.89	90.91 -1.25 -4.93	121.78 -1.28 -49.05	60.52 -0.72 -34.46	38.61 -0.80 -8.25	66.06 -1.60 13.57	74.01 -1.56 10.25	121.63 -1.70 0.00	100.94 -1.80 -5.48	95.84 -0.92 0.00
COBBLENY_34_KV_TB1 80064	54.10 -5.73 12.36	73.15 -7.48 13.30	78.56 -8.54 13.96	32.49 -3.78 5.62	58.08 -5.13 1.00	27.38 -2.23 0.49	52.75 -3.70 1.58	31.81 -2.63 1.99	48.15 -5.15 16.41	26.59 -2.87 3.60	29.05 -3.18 2.46	29.82 -3.75 3.59	27.04 -3.97 8.15	27.07 -4.08 8.10	35.63 -4.95 8.32	61.12 -8.80 17.32	34.90 -7.58 31.52	24.05 -2.43 0.30	30.46 -2.70 -2.00	44.82 -7.60 28.80	69.16 -6.86 9.80	94.59 -10.53 18.21	79.68 -8.03 9.54	89.07 -7.38 0.31
COFFEEN___115KV_TB3 355620	73.58 1.38 0.00	96.51 2.38 -0.19	102.49 1.44 0.00	43.81 0.27 -1.66	65.66 0.67 -0.77	31.50 -0.05 -1.45	60.68 0.31 -2.32	40.93 0.34 -4.17	70.85 0.43 -0.72	35.60 -0.22 -2.76	36.11 -0.89 -2.31	36.65 -1.37 -0.86	37.72 -1.44 0.00	38.47 -0.82 -0.03	48.08 -0.97 -0.15	86.52 -0.72 0.00	75.71 0.63 -1.08	33.23 0.57 -5.89	35.27 0.70 -3.42	78.84 1.24 3.62	86.05 1.03 0.80	125.62 2.29 0.00	97.73 0.20 -0.27	96.40 -0.35 0.00
COLDSPRG_115KV_BK1 355956	59.00 -4.74 8.46	80.45 -6.05 7.44	85.62 -6.84 8.59	35.75 -3.22 2.92	61.00 -4.35 -1.13	30.81 -1.83 -2.54	60.18 -2.76 -4.91	41.70 -2.11 -7.39	58.18 -4.00 7.52	32.34 -2.41 -1.69	34.19 -2.68 -2.18	33.22 -3.20 0.73	31.21 -3.23 4.73	31.30 -3.30 4.66	40.27 -4.04 4.59	68.76 -7.28 11.19	41.34 -6.43 26.23	33.02 -2.15 -8.40	39.43 -2.36 -10.64	53.10 -6.58 21.55	75.97 -6.07 3.78	102.99 -9.22 11.11	84.68 -6.92 5.66	90.15 -6.43 0.18
COLONIE_LFGE___ 323577	89.94 4.25 -13.49	103.85 5.43 -4.48	106.80 5.75 0.00	90.89 2.46 -46.55	107.93 3.84 -39.88	124.39 1.82 -92.48	251.02 3.56 -189.43	244.55 2.19 -205.93	121.55 4.16 -47.69	101.37 2.01 -66.30	91.86 2.00 -55.17	59.87 2.06 -20.66	41.14 1.97 0.00	42.05 2.02 -0.78	55.28 2.68 -3.70	92.08 4.84 0.00	103.98 4.26 -25.71	169.60 1.59 -141.24	179.13 1.87 -146.10	130.38 4.78 -44.37	126.80 5.14 -35.83	130.36 7.03 0.00	109.22 5.50 -6.45	102.13 5.37 0.00
COOPERNY_115KV_TB1 80082	77.68 2.67 -2.81	100.06 3.38 -2.74	104.59 3.54 0.00	69.06 1.53 -25.65	82.35 2.37 -15.76	64.52 1.21 -33.21	117.38 2.51 -56.83	118.45 1.70 -80.33	91.19 3.08 -18.41	75.05 1.44 -40.55	69.97 1.54 -33.74	51.40 1.61 -12.64	40.81 1.65 0.00	41.44 1.71 -0.48	53.30 2.14 -2.26	90.84 3.60 0.00	92.89 3.16 -15.73	114.42 1.26 -86.38	121.98 1.47 -89.36	108.98 3.60 -24.15	107.34 3.71 -17.81	128.15 4.81 0.00	104.86 3.65 -3.95	100.15 3.40 0.00
COPENHAGEN_WT_PWR 323753	72.35 0.15 0.00	95.09 0.96 -0.19	100.77 -0.29 0.00	43.10 -0.49 -1.71	64.50 -0.52 -0.80	30.89 -0.71 -1.50	59.33 -1.11 -2.40	40.13 -0.61 -4.31	69.08 -1.38 -0.76	34.93 -0.99 -2.85	35.49 -1.59 -2.39	36.03 -2.02 -0.89	37.07 -2.09 0.00	37.79 -1.50 -0.03	47.09 -1.97 -0.16	84.50 -2.73 0.00	73.85 -1.27 -1.11	32.70 -0.17 -6.09	34.75 -0.18 -3.78	77.00 -0.95 3.27	83.93 -1.24 0.66	122.59 -0.74 0.00	95.42 -2.12 -0.28	94.08 -2.68 0.00
CORNELL_____ 23752	90.67 0.59 -17.88	101.14 0.72 -6.47	110.70 0.48 -9.17	71.83 0.20 -29.75	71.44 0.52 -6.70	49.97 0.43 -19.45	82.78 1.19 -23.56	69.95 0.82 -32.71	84.88 1.14 -14.04	54.20 0.07 -21.06	48.55 -0.18 -14.05	43.05 -0.45 -6.35	42.05 -0.47 -3.36	42.15 -0.59 -3.49	52.45 -0.71 -4.26	101.62 -0.75 -15.13	162.72 0.12 -88.59	65.51 0.48 -38.25	65.94 0.58 -34.20	157.34 1.12 -74.99	98.00 1.21 -10.97	135.59 0.96 -11.29	107.07 0.52 -9.29	97.26 0.37 -0.12



CORONA__69_KV_TB1 355595	81.76 5.88 -3.69	104.96 7.40 -3.62	108.86 7.80 0.00	79.04 3.30 -33.86	90.05 5.06 -20.77	76.31 2.46 -43.76	137.74 4.84 -74.85	145.52 3.12 -105.98	99.83 5.85 -24.27	89.53 2.91 -53.55	82.52 3.27 -44.56	57.36 3.52 -16.69	42.84 3.68 0.00	43.72 3.83 -0.63	69.39 4.85 -15.65	127.07 8.19 -31.64	143.52 6.90 -62.62	155.98 2.63 -126.58	152.11 2.95 -118.00	120.51 7.40 -31.88	116.96 7.63 -23.50	133.78 10.45 0.00	110.33 7.86 -5.21	104.15 7.39 0.00
CORTLAND__115KV_TB3 80093	76.45 0.08 -4.17	94.73 0.13 -0.65	102.00 -0.09 -1.04	53.16 -0.04 -11.32	68.14 0.10 -3.82	40.14 0.21 -9.83	71.75 0.69 -13.01	55.96 0.50 -19.05	74.83 0.65 -4.47	43.86 -0.02 -10.82	42.53 -0.19 -8.03	39.79 -0.38 -3.01	38.79 -0.37 0.00	38.95 -0.41 -0.11	48.96 -0.48 -0.54	89.05 -0.59 -2.40	98.37 -0.07 -24.43	49.04 0.31 -21.96	52.91 0.35 -21.40	103.49 0.50 -21.76	90.68 0.59 -4.27	124.79 0.31 -1.15	99.41 0.06 -2.09	96.65 -0.11 0.00
COXSACKIE__GT 23611	85.94 6.34 -7.40	106.43 8.27 -4.22	109.78 8.72 0.00	86.58 3.63 -41.07	99.03 5.68 -29.13	97.09 2.68 -64.32	182.82 5.27 -119.51	184.45 3.31 -144.72	109.56 6.23 -33.63	97.84 2.35 -62.42	88.58 1.94 -51.94	58.59 1.99 -19.45	41.13 1.97 0.00	41.93 1.94 -0.73	54.84 2.46 -3.48	92.40 5.16 0.00	103.87 5.65 -24.21	161.98 2.24 -132.97	171.33 2.63 -137.55	126.48 6.61 -38.64	122.30 7.05 -29.43	133.08 9.75 0.00	111.20 7.87 -6.07	104.70 7.94 0.00
CPV_VALLEY__CC1 323721	78.47 3.08 -3.19	100.92 3.83 -3.14	105.08 4.02 0.00	73.02 1.74 -29.39	84.93 2.70 -18.02	69.41 1.36 -37.96	125.74 2.82 -64.88	130.23 1.90 -91.91	94.25 3.50 -21.05	81.22 1.68 -46.48	75.18 1.80 -38.68	53.56 1.92 -14.49	41.13 1.97 0.00	41.85 2.05 -0.54	54.05 2.56 -2.60	91.51 4.27 0.00	95.71 3.68 -18.03	127.24 1.45 -99.02	135.28 1.69 -102.43	113.03 4.14 -27.67	110.43 4.21 -20.40	128.84 5.51 0.00	105.98 4.20 -4.52	100.62 3.86 0.00
CPV_VALLEY__CC2 323722	78.47 3.08 -3.19	100.92 3.83 -3.14	105.08 4.02 0.00	73.02 1.74 -29.39	84.93 2.70 -18.02	69.41 1.36 -37.96	125.74 2.82 -64.88	130.23 1.90 -91.91	94.25 3.50 -21.05	81.22 1.68 -46.48	75.18 1.80 -38.68	53.56 1.92 -14.49	41.13 1.97 0.00	41.85 2.05 -0.54	54.05 2.56 -2.60	91.51 4.27 0.00	95.71 3.68 -18.03	127.24 1.45 -99.02	135.28 1.69 -102.43	113.03 4.14 -27.67	110.43 4.21 -20.40	128.84 5.51 0.00	105.98 4.20 -4.52	100.62 3.86 0.00
CRESCENT__HYD 24018	89.94 4.25 -13.49	103.85 5.43 -4.48	106.80 5.75 0.00	90.89 2.46 -46.55	107.93 3.84 -39.88	124.39 1.82 -92.48	251.02 3.56 -189.43	244.55 2.19 -205.93	121.55 4.16 -47.69	101.37 2.01 -66.30	91.86 2.00 -55.17	59.87 2.06 -20.66	41.14 1.97 0.00	42.05 2.02 -0.78	55.28 2.68 -3.70	92.08 4.84 0.00	103.98 4.26 -25.71	169.60 1.59 -141.24	179.13 1.87 -146.10	130.38 4.78 -44.37	126.80 5.14 -35.83	130.36 7.03 0.00	109.22 5.50 -6.45	102.13 5.37 0.00
CRICKET__VALLEY_CC1 323756	80.81 4.54 -4.07	103.40 5.65 -3.81	107.03 5.97 0.00	80.15 2.57 -35.70	90.28 3.91 -22.15	78.90 1.95 -46.86	142.83 3.93 -80.87	152.10 2.57 -113.10	100.47 4.85 -25.92	91.70 2.34 -56.29	84.08 2.54 -46.85	57.42 2.72 -17.54	41.89 2.72 0.00	42.71 2.79 -0.66	55.60 3.56 -3.14	93.30 6.06 0.00	101.00 5.16 -21.83	148.67 1.98 -119.92	157.52 2.32 -124.05	120.60 5.75 -33.63	116.57 5.89 -24.86	131.16 7.83 0.00	108.79 6.05 -5.48	102.54 5.78 0.00
CRICKET__VALLEY_CC2 323757	80.81 4.54 -4.07	103.40 5.65 -3.81	107.03 5.97 0.00	80.15 2.57 -35.70	90.28 3.91 -22.15	78.90 1.95 -46.86	142.83 3.93 -80.87	152.10 2.57 -113.10	100.47 4.85 -25.92	91.70 2.34 -56.29	84.08 2.54 -46.85	57.42 2.72 -17.54	41.89 2.72 0.00	42.71 2.79 -0.66	55.60 3.56 -3.14	93.30 6.06 0.00	101.00 5.16 -21.83	148.67 1.98 -119.92	157.52 2.32 -124.05	120.60 5.75 -33.63	116.57 5.89 -24.86	131.16 7.83 0.00	108.79 6.05 -5.48	102.54 5.78 0.00
CRICKET__VALLEY_CC3 323758	80.81 4.54 -4.07	103.40 5.65 -3.81	107.03 5.97 0.00	80.15 2.57 -35.70	90.28 3.91 -22.15	78.90 1.95 -46.86	142.83 3.93 -80.87	152.10 2.57 -113.10	100.47 4.85 -25.92	91.70 2.34 -56.29	84.08 2.54 -46.85	57.42 2.72 -17.54	41.89 2.72 0.00	42.71 2.79 -0.66	55.60 3.56 -3.14	93.30 6.06 0.00	101.00 5.16 -21.83	148.67 1.98 -119.92	157.52 2.32 -124.05	120.60 5.75 -33.63	116.57 5.89 -24.86	131.16 7.83 0.00	108.79 6.05 -5.48	102.54 5.78 0.00
CRUCIBLE__METL_DRP 24180	71.09 -1.11 0.00	92.86 -1.45 -0.37	99.29 -1.77 0.00	44.41 -0.72 -3.24	64.78 -0.96 -1.52	32.66 -0.29 -2.85	62.21 -0.38 -4.56	44.41 -0.19 -8.18	70.86 -0.60 -1.75	38.07 -0.43 -5.44	38.60 -0.61 -4.52	38.08 -0.77 -1.69	38.31 -0.85 0.00	38.44 -0.88 -0.06	48.11 -1.10 -0.30	85.51 -1.73 0.00	75.03 -1.08 -2.11	38.24 -0.11 -11.58	42.98 -0.16 -11.98	83.45 -0.81 -3.04	87.14 -0.80 -2.11	121.65 -1.68 0.00	96.31 -1.48 -0.53	95.23 -1.52 0.00
DAHOWA__HYDRO 323763	93.73 6.15 -15.37	106.43 7.94 -4.55	109.48 8.42 0.00	93.58 3.57 -48.13	113.00 5.64 -43.14	133.91 2.73 -101.09	273.79 5.59 -210.16	261.59 3.46 -221.71	127.34 6.22 -51.41	103.08 2.71 -67.30	93.28 2.59 -56.01	60.69 2.56 -20.97	41.66 2.49 0.00	42.58 2.54 -0.79	56.13 3.48 -3.76	94.07 6.83 0.00	106.42 6.31 -26.10	172.61 2.47 -143.37	182.34 2.87 -148.31	134.42 7.32 -45.88	131.04 7.69 -37.53	133.88 10.54 0.00	111.82 8.01 -6.55	104.57 7.81 0.00
DANC__LFGE 323619	71.50 -0.70 0.00	93.70 -0.47 -0.23	99.69 -1.37 0.00	43.08 -0.81 -2.02	64.09 -1.07 -0.94	31.15 -0.72 -1.77	59.73 -1.15 -2.83	40.86 -0.65 -5.09	69.24 -1.45 -0.98	35.49 -0.94 -3.37	36.11 -1.39 -2.81	36.48 -1.72 -1.05	37.34 -1.83 0.00	37.83 -1.46 -0.04	47.21 -1.88 -0.19	84.44 -2.80 0.00	73.72 -1.60 -1.31	33.66 -0.30 -7.19	36.54 -0.36 -5.75	78.46 -1.39 1.38	84.34 -1.61 -0.12	121.49 -1.84 0.00	95.13 -2.45 -0.33	93.92 -2.84 0.00
DANSKAMMER__1 23586	81.11 5.18 -3.73	104.06 6.50 -3.62	107.92 6.86 0.00	78.69 2.93 -33.88	89.57 4.51 -20.84	76.29 2.25 -43.94	137.93 4.61 -75.28	145.74 3.12 -106.20	99.78 5.76 -24.32	89.24 2.70 -53.48	82.06 2.86 -44.50	56.88 3.06 -16.67	42.29 3.13 0.00	43.07 3.19 -0.63	55.93 4.04 -2.99	94.32 7.08 0.00	100.95 6.20 -20.74	143.05 2.36 -113.92	151.76 2.76 -117.85	119.95 6.87 -31.86	116.36 7.03 -23.50	132.73 9.40 0.00	109.61 7.15 -5.21	103.48 6.72 0.00
DANSKAMMER__2 23589	81.11 5.18 -3.73	104.06 6.50 -3.62	107.92 6.86 0.00	78.69 2.93 -33.88	89.57 4.51 -20.84	76.29 2.25 -43.94	137.93 4.61 -75.28	145.74 3.12 -106.20	99.78 5.76 -24.32	89.24 2.70 -53.48	82.06 2.86 -44.50	56.88 3.06 -16.67	42.29 3.13 0.00	43.07 3.19 -0.63	55.93 4.04 -2.99	94.32 7.08 0.00	100.95 6.20 -20.74	143.05 2.36 -113.92	151.76 2.76 -117.85	119.95 6.87 -31.86	116.36 7.03 -23.50	132.73 9.40 0.00	109.61 7.15 -5.21	103.48 6.72 0.00
DANSKAMMER__3 23590	81.11 5.18 -3.73	104.06 6.50 -3.62	107.92 6.86 0.00	78.69 2.93 -33.88	89.57 4.51 -20.84	76.29 2.25 -43.94	137.93 4.61 -75.28	145.74 3.12 -106.20	99.78 5.76 -24.32	89.24 2.70 -53.48	82.06 2.86 -44.50	56.88 3.06 -16.67	42.29 3.13 0.00	43.07 3.19 -0.63	55.93 4.04 -2.99	94.32 7.08 0.00	100.95 6.20 -20.74	143.05 2.36 -113.92	151.76 2.76 -117.85	119.95 6.87 -31.86	116.36 7.03 -23.50	132.73 9.40 0.00	109.61 7.15 -5.21	103.48 6.72 0.00



DANSKAMMER___4 23591	81.11 5.18 -3.73	104.06 6.50 -3.62	107.92 6.86 0.00	78.69 2.93 -33.88	89.57 4.51 -20.84	76.29 2.25 -43.94	137.93 4.61 -75.28	145.74 3.12 -106.20	99.78 5.76 -24.32	89.24 2.70 -53.48	82.06 2.86 -44.50	56.88 3.06 -16.67	42.29 3.13 0.00	43.07 3.19 -0.63	55.93 4.04 -2.99	94.32 7.08 0.00	100.95 6.20 -20.74	143.05 2.36 -113.92	151.76 2.76 -117.85	119.95 6.87 -31.86	116.36 7.03 -23.50	132.73 9.40 0.00	109.61 7.15 -5.21	103.48 6.72 0.00
DANSKAMMER___DIESEL 23592	81.10 5.18 -3.73	104.06 6.50 -3.62	107.92 6.86 0.00	78.69 2.93 -33.88	89.57 4.51 -20.84	76.28 2.25 -43.94	137.93 4.62 -75.28	145.74 3.11 -106.20	99.78 5.75 -24.32	89.24 2.70 -53.48	82.07 2.87 -44.50	56.88 3.06 -16.67	42.29 3.13 0.00	43.07 3.19 -0.63	55.93 4.05 -2.99	94.30 7.06 0.00	100.94 6.19 -20.74	143.05 2.35 -113.92	151.75 2.75 -117.85	119.94 6.85 -31.86	116.37 7.04 -23.50	132.74 9.40 0.00	109.59 7.13 -5.21	103.48 6.72 0.00
DARBY___SOLAR 323810	93.00 5.64 -15.15	105.75 7.27 -4.54	108.77 7.72 0.00	93.09 3.28 -47.93	112.12 5.15 -42.75	132.64 2.49 -100.06	270.79 5.06 -207.70	259.36 3.12 -219.82	126.31 5.64 -50.97	102.68 2.46 -67.16	92.93 2.34 -55.89	60.41 2.32 -20.93	41.42 2.25 0.00	42.34 2.30 -0.79	55.82 3.17 -3.75	93.44 6.20 0.00	105.80 5.75 -26.05	172.09 2.24 -143.08	181.77 2.61 -148.00	133.55 6.64 -45.69	130.14 6.99 -37.32	132.96 9.62 0.00	111.11 7.32 -6.54	103.88 7.12 0.00
DASHVILLE___HYD 23610	81.04 4.38 -4.46	103.23 5.57 -3.72	106.96 5.90 0.00	79.47 2.42 -35.17	90.42 3.78 -22.42	79.84 1.86 -47.88	145.78 3.81 -83.93	152.43 2.47 -113.53	100.43 4.62 -26.11	90.33 2.15 -55.11	82.84 2.29 -45.86	56.76 2.43 -17.18	41.71 2.54 0.00	42.50 2.60 -0.64	55.24 3.26 -3.08	92.94 5.70 0.00	100.34 4.96 -21.37	146.04 1.87 -117.40	154.77 2.17 -121.44	119.81 5.46 -33.13	116.07 5.63 -24.62	130.91 7.58 0.00	108.25 5.63 -5.36	102.03 5.28 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	83.50 7.61 -3.69	107.52 9.96 -3.62	111.56 10.50 0.00	80.24 4.50 -33.86	91.86 6.87 -20.77	77.05 3.19 -43.76	139.32 6.43 -74.85	146.27 3.87 -105.98	101.02 7.04 -24.27	90.13 3.52 -53.55	83.07 3.82 -44.56	57.67 3.83 -16.69	43.26 4.09 0.00	44.27 4.39 -0.63	70.28 5.74 -15.65	128.59 9.71 -31.64	145.16 8.53 -62.62	156.67 3.31 -126.58	152.83 3.67 -118.00	122.43 9.33 -31.88	118.92 9.59 -23.50	136.51 13.17 0.00	112.48 10.01 -5.21	106.17 9.41 0.00
DELAWARE___LFGE 323621	77.68 2.28 -3.20	98.55 3.04 -1.57	104.21 3.15 0.00	58.71 1.35 -15.47	77.87 2.12 -11.52	56.95 1.07 -25.78	108.61 2.34 -48.23	96.11 1.50 -58.19	85.98 2.71 -13.57	57.37 1.14 -23.16	55.16 1.19 -19.27	45.56 1.18 -7.22	41.21 2.05 0.00	40.89 1.36 -0.27	51.71 1.52 -1.29	89.92 2.68 0.00	85.41 2.43 -8.98	77.13 1.02 -49.34	83.37 1.17 -51.04	98.72 2.85 -14.64	100.10 2.94 -11.34	127.09 3.76 0.00	102.33 2.81 -2.25	99.39 2.63 0.00
DERFIELD_115KV_TB7 355931	72.78 0.58 0.00	94.69 0.74 0.00	101.80 0.74 0.00	42.22 0.34 0.00	64.73 0.51 0.00	30.37 0.27 0.00	58.57 0.53 0.00	36.74 0.32 0.00	70.32 0.56 -0.05	33.30 0.23 -0.01	34.93 0.24 0.00	37.38 0.23 0.00	39.37 0.21 0.00	39.49 0.23 0.00	49.19 0.29 0.00	87.75 0.51 0.00	74.46 0.46 0.00	27.02 0.24 -0.01	32.25 0.26 -0.83	83.39 0.57 -1.60	87.00 0.60 -0.58	124.11 0.77 0.00	97.93 0.67 0.00	97.29 0.53 0.00
DOGLEVILLE___HYD 23807	75.08 2.88 0.00	97.63 3.69 0.00	104.81 3.75 0.00	43.59 1.71 0.00	67.01 2.79 0.00	31.64 1.54 0.00	61.31 3.26 0.00	38.37 1.95 0.00	72.72 2.96 -0.05	34.06 0.99 -0.01	35.41 0.72 0.00	37.67 0.52 0.00	39.48 0.31 0.00	39.70 0.45 0.00	49.48 0.58 0.00	89.13 1.89 0.00	76.49 2.49 0.00	28.06 1.28 -0.01	33.38 1.40 -0.83	86.25 3.43 -1.60	89.93 3.52 -0.58	127.57 4.24 0.00	100.70 3.44 0.00	99.85 3.09 0.00
DUNKIRK___115KV_TB_200 55889	51.07 -7.09 14.05	69.05 -9.16 15.73	74.73 -10.13 16.20	30.49 -4.55 6.84	55.93 -6.40 1.89	25.51 -2.81 1.77	49.12 -4.65 4.27	27.30 -3.27 5.85	43.25 -6.37 20.08	23.80 -3.43 5.83	26.43 -3.88 4.38	27.84 -4.55 4.77	24.69 -4.91 9.57	24.67 -5.06 9.53	32.84 -6.20 9.86	56.41 -10.92 19.92	30.72 -9.11 34.17	19.87 -2.99 3.92	26.24 -3.36 1.56	39.68 -9.40 32.15	64.76 -8.77 12.29	88.88 -13.28 21.17	75.96 -10.13 11.17	86.90 -9.49 0.36
DUNKIRK___1 23563	51.07 -7.09 14.05	69.05 -9.16 15.73	74.73 -10.13 16.20	30.49 -4.55 6.84	55.93 -6.40 1.89	25.51 -2.81 1.77	49.12 -4.65 4.27	27.30 -3.27 5.85	43.25 -6.37 20.08	23.80 -3.43 5.83	26.43 -3.88 4.38	27.84 -4.55 4.77	24.69 -4.91 9.57	24.67 -5.06 9.53	32.84 -6.20 9.86	56.41 -10.92 19.92	30.72 -9.11 34.17	19.87 -2.99 3.92	26.24 -3.36 1.56	39.68 -9.40 32.15	64.76 -8.77 12.29	88.88 -13.28 21.17	75.96 -10.13 11.17	86.90 -9.49 0.36
DUNKIRK___2 23564	51.07 -7.09 14.05	69.05 -9.16 15.73	74.73 -10.13 16.20	30.49 -4.55 6.84	55.93 -6.40 1.89	25.51 -2.81 1.77	49.12 -4.65 4.27	27.30 -3.27 5.85	43.25 -6.37 20.08	23.80 -3.43 5.83	26.43 -3.88 4.38	27.84 -4.55 4.77	24.69 -4.91 9.57	24.67 -5.06 9.53	32.84 -6.20 9.86	56.41 -10.92 19.92	30.72 -9.11 34.17	19.87 -2.99 3.92	26.24 -3.36 1.56	39.68 -9.40 32.15	64.76 -8.77 12.29	88.88 -13.28 21.17	75.96 -10.13 11.17	86.90 -9.49 0.36
DUNKIRK___3 23565	50.15 -6.90 15.14	67.69 -8.92 17.33	73.43 -9.94 17.68	29.83 -4.43 7.62	55.57 -6.19 2.46	24.77 -2.73 2.59	47.47 -4.55 6.02	24.84 -3.21 8.37	40.92 -6.29 22.50	22.43 -3.37 7.27	25.29 -3.77 5.63	27.20 -4.42 5.54	23.91 -4.75 10.50	23.91 -4.88 10.46	32.05 -5.98 10.87	55.06 -10.56 21.62	29.28 -8.91 35.81	17.59 -2.92 6.25	24.01 -3.27 3.87	37.79 -9.17 34.27	63.37 -8.52 13.92	87.32 -12.90 23.11	75.23 -9.79 12.24	87.20 -9.16 0.40
DUNKIRK___4 23566	50.15 -6.90 15.14	67.69 -8.92 17.33	73.43 -9.94 17.68	29.83 -4.43 7.62	55.57 -6.19 2.46	24.77 -2.73 2.59	47.47 -4.55 6.02	24.84 -3.21 8.37	40.92 -6.29 22.50	22.43 -3.37 7.27	25.29 -3.77 5.63	27.20 -4.42 5.54	23.91 -4.75 10.50	23.91 -4.88 10.46	32.05 -5.98 10.87	55.06 -10.56 21.62	29.28 -8.91 35.81	17.59 -2.92 6.25	24.01 -3.27 3.87	37.79 -9.17 34.27	63.37 -8.52 13.92	87.32 -12.90 23.11	75.23 -9.79 12.24	87.20 -9.16 0.40
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	80.79 4.91 -3.69	103.63 6.08 -3.62	107.48 6.43 0.00	78.51 2.76 -33.87	89.24 4.24 -20.78	75.99 2.12 -43.77	137.17 4.26 -74.88	145.28 2.85 -106.01	99.38 5.40 -24.28	89.28 2.65 -53.57	82.18 2.91 -44.57	57.01 3.16 -16.69	42.41 3.24 0.00	43.22 3.34 -0.63	56.06 4.17 -2.99	94.18 6.94 0.00	100.54 5.76 -20.77	143.09 2.21 -114.11	151.74 2.55 -118.04	119.42 6.30 -31.89	115.79 6.46 -23.51	132.01 8.68 0.00	109.10 6.63 -5.21	103.03 6.27 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	80.21 4.40 -3.61	102.96 5.51 -3.51	106.87 5.81 0.00	77.21 2.49 -32.84	88.25 3.84 -20.19	74.61 1.93 -42.59	134.97 3.97 -72.96	142.04 2.67 -102.95	98.21 4.92 -23.58	87.25 2.31 -51.88	80.32 2.46 -43.17	55.93 2.61 -16.17	41.84 2.68 0.00	42.62 2.75 -0.61	55.26 3.46 -2.90	93.24 6.00 0.00	99.37 5.24 -20.12	139.31 2.03 -110.51	147.84 2.37 -114.32	118.00 5.87 -30.91	114.62 6.00 -22.79	131.30 7.96 0.00	108.37 6.06 -5.05	102.41 5.65 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	80.89 5.00 -3.69	103.69 6.13 -3.62	107.49 6.44 0.00	78.55 2.79 -33.87	89.23 4.24 -20.78	76.00 2.13 -43.78	137.21 4.28 -74.88	145.41 2.97 -106.02	99.73 5.74 -24.28	89.37 2.74 -53.57	82.34 3.07 -44.58	57.25 3.40 -16.70	42.62 3.46 0.00	43.42 3.54 -0.63	56.24 4.35 -2.99	94.38 7.14 0.00	100.74 5.95 -20.77	143.13 2.24 -114.11	151.76 2.56 -118.05	119.57 6.44 -31.89	115.92 6.58 -23.51	132.05 8.72 0.00	109.09 6.62 -5.21	103.09 6.33 0.00
E179THST_13_KV_LOAD 356214	81.22 5.33 -3.69	104.09 6.52 -3.62	107.91 6.85 0.00	78.72 2.97 -33.87	89.50 4.51 -20.78	76.12 2.25 -43.78	137.48 4.56 -74.88	145.59 3.16 -106.02	100.09 6.10 -24.28	89.54 2.91 -53.57	82.53 3.26 -44.58	57.44 3.59 -16.70	42.82 3.66 0.00	43.63 3.75 -0.63	56.50 4.60 -2.99	94.84 7.60 0.00	101.13 6.35 -20.77	143.28 2.39 -114.11	151.93 2.73 -118.05	120.01 6.88 -31.89	116.38 7.05 -23.51	132.72 9.38 0.00	109.58 7.11 -5.21	103.54 6.78 0.00
EAST HAMPTON___GT 23717	84.12 8.23 -3.69	108.37 10.81 -3.62	112.48 11.42 0.00	80.64 4.90 -33.86	92.46 7.47 -20.77	77.36 3.51 -43.76	139.97 7.07 -74.85	146.70 4.30 -105.98	101.77 7.79 -24.27	90.43 3.82 -53.55	83.35 4.10 -44.56	57.96 4.12 -16.69	43.54 4.38 0.00	44.56 4.68 -0.63	70.66 6.11 -15.65	129.34 10.45 -31.64	145.90 9.27 -62.62	156.98 3.62 -126.58	153.21 4.05 -118.00	123.39 10.28 -31.88	119.87 10.55 -23.50	137.77 14.43 0.00	113.42 10.95 -5.21	107.06 10.30 0.00
EAST RIVER___6 23660	80.92 5.03 -3.69	103.69 6.13 -3.62	107.58 6.53 0.00	78.56 2.81 -33.87	89.31 4.31 -20.78	76.05 2.18 -43.77	137.29 4.38 -74.87	145.42 2.99 -106.00	99.71 5.72 -24.28	89.50 2.87 -53.56	82.46 3.19 -44.57	57.36 3.51 -16.69	42.78 3.62 0.00	43.58 3.70 -0.63	56.51 4.62 -2.99	94.83 7.59 0.00	100.96 6.18 -20.77	143.23 2.35 -114.10	151.87 2.68 -118.03	119.70 6.58 -31.89	116.05 6.71 -23.51	132.27 8.94 0.00	109.28 6.81 -5.21	103.14 6.38 0.00
EAST RIVER___7 23524	80.92 5.03 -3.69	103.69 6.13 -3.62	107.58 6.53 0.00	78.56 2.81 -33.87	89.31 4.31 -20.78	76.05 2.18 -43.77	137.29 4.38 -74.87	145.42 2.99 -106.00	99.71 5.72 -24.28	89.50 2.87 -53.56	82.46 3.19 -44.57	57.36 3.51 -16.69	42.78 3.62 0.00	43.58 3.70 -0.63	56.51 4.62 -2.99	94.83 7.59 0.00	100.96 6.18 -20.77	143.23 2.35 -114.10	151.87 2.68 -118.03	119.70 6.58 -31.89	116.05 6.71 -23.51	132.27 8.94 0.00	109.28 6.81 -5.21	103.14 6.38 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	80.59 4.71 -3.68	103.42 5.87 -3.61	107.24 6.19 0.00	78.34 2.66 -33.80	89.03 4.07 -20.73	75.81 2.04 -43.68	136.88 4.12 -74.72	144.97 2.76 -105.79	99.14 5.20 -24.23	89.06 2.55 -53.45	81.96 2.79 -44.48	56.83 3.01 -16.66	42.26 3.09 0.00	43.06 3.18 -0.63	55.87 3.98 -2.98	93.88 6.64 0.00	100.28 5.54 -20.73	142.76 2.13 -113.86	151.40 2.46 -117.78	119.13 6.09 -31.83	115.51 6.23 -23.46	131.67 8.33 0.00	108.85 6.39 -5.20	102.76 6.00 0.00
EAST_HAMPTON___DIESEL 23722	84.09 8.20 -3.69	108.35 10.78 -3.62	112.44 11.38 0.00	80.63 4.89 -33.86	92.45 7.46 -20.77	77.35 3.49 -43.76	139.95 7.06 -74.85	146.69 4.29 -105.98	101.74 7.76 -24.27	90.42 3.81 -53.55	83.33 4.08 -44.56	57.94 4.09 -16.69	43.54 4.37 0.00	44.54 4.66 -0.63	70.64 6.10 -15.65	129.31 10.43 -31.64	145.87 9.24 -62.62	156.96 3.61 -126.58	153.20 4.04 -118.00	123.36 10.25 -31.88	119.85 10.52 -23.50	137.71 14.38 0.00	113.38 10.91 -5.21	107.04 10.28 0.00
EAST_POINT___SOLAR 323840	92.35 4.81 -15.34	105.15 6.22 -4.99	107.73 6.68 0.00	96.61 2.77 -51.95	113.52 4.41 -44.88	136.62 2.20 -104.33	278.48 4.74 -215.69	269.97 3.05 -230.49	126.45 3.55 -53.20	107.15 0.33 -73.75	96.19 0.13 -61.37	60.32 0.18 -22.98	39.82 0.66 0.00	41.13 1.02 -0.86	54.49 1.48 -4.12	90.62 3.38 0.00	106.99 4.38 -28.60	185.95 2.08 -157.10	196.10 2.43 -162.52	136.74 6.11 -49.40	132.08 6.34 -39.92	131.96 8.62 0.00	110.65 6.22 -7.18	102.56 5.81 0.00
EAST_PULASKI___ESR 323781	70.75 -1.45 0.00	92.45 -1.75 -0.26	98.70 -2.36 0.00	43.13 -1.06 -2.31	63.81 -1.49 -1.08	31.46 -0.67 -2.03	60.15 -1.13 -3.25	41.59 -0.65 -5.83	69.45 -1.45 -1.19	36.08 -0.85 -3.87	36.76 -1.16 -3.22	36.97 -1.39 -1.21	37.66 -1.51 0.00	37.93 -1.37 -0.05	47.39 -1.73 -0.22	84.48 -2.76 0.00	73.70 -1.81 -1.50	34.63 -0.39 -8.24	38.35 -0.48 -7.67	80.07 -1.66 -0.51	84.92 -1.81 -0.90	120.60 -2.73 0.00	94.99 -2.64 -0.38	93.91 -2.84 0.00
EAST_RIVER___1 323558	80.96 5.07 -3.69	103.75 6.18 -3.62	107.66 6.61 0.00	78.59 2.84 -33.87	89.35 4.35 -20.78	76.06 2.19 -43.77	137.29 4.38 -74.87	145.41 2.98 -106.00	99.67 5.68 -24.28	89.47 2.85 -53.56	82.43 3.16 -44.57	57.32 3.47 -16.69	42.75 3.58 0.00	43.54 3.66 -0.63	56.46 4.57 -2.99	94.74 7.50 0.00	100.88 6.10 -20.77	143.20 2.32 -114.10	151.85 2.66 -118.03	119.65 6.54 -31.89	115.99 6.66 -23.51	132.27 8.94 0.00	109.30 6.84 -5.21	103.16 6.40 0.00
EAST_RIVER___2 323559	80.92 5.03 -3.69	103.69 6.13 -3.62	107.58 6.53 0.00	78.56 2.81 -33.87	89.31 4.31 -20.78	76.05 2.18 -43.77	137.29 4.38 -74.87	145.42 2.99 -106.00	99.71 5.72 -24.28	89.50 2.87 -53.56	82.46 3.19 -44.57	57.36 3.51 -16.69	42.78 3.62 0.00	43.58 3.70 -0.63	56.51 4.62 -2.99	94.83 7.59 0.00	100.96 6.18 -20.77	143.23 2.35 -114.10	151.87 2.68 -118.03	119.70 6.58 -31.89	116.05 6.71 -23.51	132.27 8.94 0.00	109.28 6.81 -5.21	103.14 6.38 0.00
EAST___DELAWARE_HYD 23607	78.75 3.00 -3.56	101.01 3.76 -3.31	105.01 3.95 0.00	74.60 1.71 -31.02	86.15 2.67 -19.26	72.28 1.41 -40.77	131.38 3.06 -70.28	136.55 2.11 -98.01	95.91 3.72 -22.48	83.58 1.61 -48.90	77.00 1.61 -40.69	54.03 1.63 -15.24	40.87 1.70 0.00	41.50 1.67 -0.57	53.78 2.16 -2.73	91.19 3.95 0.00	96.87 3.90 -18.97	132.52 1.58 -104.17	140.77 1.85 -107.76	114.97 4.54 -29.20	111.99 4.59 -21.58	129.14 5.81 0.00	106.22 4.20 -4.76	100.47 3.71 0.00
EIGHT_POINT___WT_PWR 323820	100.82 -5.19 -33.81	142.70 -6.68 -55.44	142.80 -7.64 -49.38	63.32 -3.11 -24.56	82.36 -4.41 -22.55	60.44 -1.75 -32.09	125.76 -2.90 -70.61	135.70 -1.79 -101.06	151.90 -3.98 -86.17	85.71 -2.28 -54.91	80.70 -2.81 -48.82	62.27 -3.66 -28.78	67.48 -3.81 -32.12	67.73 -3.91 -32.38	79.48 -4.73 -35.30	134.24 -8.24 -55.24	100.54 -6.21 -32.74	119.09 -1.66 -93.97	124.37 -1.87 -95.08	132.74 -5.40 -56.92	139.65 -5.49 -59.32	179.66 -9.11 -65.44	125.94 -7.31 -36.00	90.69 -7.28 -1.21
ELBRIDGE_115KV_TB2 80188	70.70 -1.49 0.00	92.38 -1.95 -0.39	98.74 -2.32 0.00	44.38 -0.94 -3.44	64.54 -1.28 -1.61	32.68 -0.44 -3.02	62.17 -0.70 -4.83	44.70 -0.39 -8.67	70.57 -0.99 -1.85	38.21 -0.62 -5.76	38.69 -0.80 -4.79	37.97 -0.99 -1.80	38.09 -1.08 0.00	38.20 -1.12 -0.07	47.79 -1.43 -0.32	84.91 -2.33 0.00	74.66 -1.58 -2.23	38.76 -0.29 -12.27	43.51 -0.34 -12.70	83.13 -1.32 -3.22	86.75 -1.31 -2.24	120.83 -2.51 0.00	95.71 -2.10 -0.56	94.70 -2.05 0.00
ELEC_TRO_TEK 24086	81.63 5.74 -3.69	104.77 7.21 -3.62	108.60 7.54 0.00	78.95 3.21 -33.86	89.92 4.93 -20.77	76.28 2.42 -43.76	137.67 4.78 -74.85	145.47 3.07 -105.98	99.77 5.79 -24.27	89.50 2.89 -53.55	82.49 3.24 -44.56	57.30 3.45 -16.69	42.76 3.59 0.00	43.61 3.73 -0.63	69.28 4.73 -15.65	126.87 7.98 -31.64	143.31 6.69 -62.62	155.89 2.54 -126.58	152.01 2.85 -118.00	120.29 7.18 -31.88	116.71 7.38 -23.50	133.37 10.04 0.00	110.04 7.57 -5.21	103.88 7.12 0.00



ELLENBURG_WT_PWR 323604	71.05 -1.15 0.00	92.28 -1.66 0.00	99.30 -1.76 0.00	41.07 -0.81 0.00	62.76 -1.46 0.00	29.14 -0.96 0.00	55.78 -2.26 0.00	34.92 -1.50 0.00	65.97 -2.78 0.96	27.24 -1.35 4.47	15.80 -1.33 17.57	-20.84 -1.34 56.65	-6.00 -1.31 43.86	3.58 -1.30 34.38	22.03 -1.54 25.33	77.99 -2.64 6.60	5.73 -2.51 65.77	-20.88 -1.21 46.45	-15.71 -1.37 45.50	30.20 -3.06 47.96	72.54 -2.98 10.30	119.76 -3.58 0.00	86.57 -3.35 7.34	94.14 -2.62 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	50.36 -6.80 15.04	67.71 -8.84 17.39	73.40 -9.98 17.68	29.93 -4.38 7.57	55.60 -6.04 2.58	24.65 -2.69 2.76	47.06 -4.56 6.42	24.24 -3.23 8.95	40.71 -6.30 22.70	22.18 -3.36 7.52	25.08 -3.72 5.89	27.19 -4.32 5.65	23.98 -4.65 10.53	23.96 -4.80 10.49	32.14 -5.84 10.92	55.31 -10.36 21.57	30.11 -8.86 35.05	17.07 -2.91 6.80	23.40 -3.26 4.49	38.31 -9.15 33.77	63.31 -8.43 14.09	87.53 -12.68 23.12	75.36 -9.64 12.25	87.53 -8.83 0.40
EMPIRE_CC_1 323656	82.05 3.61 -6.24	102.80 4.60 -4.27	105.90 4.85 0.00	84.87 2.11 -40.87	94.96 3.25 -27.48	91.26 1.45 -59.71	169.63 2.58 -109.01	179.50 1.56 -141.52	105.29 3.07 -32.50	97.78 1.63 -63.09	88.89 1.70 -52.50	58.63 1.81 -19.66	40.88 1.72 0.00	41.77 1.77 -0.74	54.72 2.30 -3.52	91.18 3.94 0.00	101.80 3.33 -24.47	162.26 1.09 -134.40	171.47 1.28 -139.03	123.30 3.43 -38.65	118.93 3.93 -29.19	128.78 5.45 0.00	107.81 4.41 -6.14	101.04 4.28 0.00
EMPIRE_CC_2 323658	82.05 3.61 -6.24	102.80 4.60 -4.27	105.90 4.85 0.00	84.87 2.11 -40.87	94.96 3.25 -27.48	91.26 1.45 -59.71	169.63 2.58 -109.01	179.50 1.56 -141.52	105.29 3.07 -32.50	97.78 1.63 -63.09	88.89 1.70 -52.50	58.63 1.81 -19.66	40.88 1.72 0.00	41.77 1.77 -0.74	54.72 2.30 -3.52	91.18 3.94 0.00	101.80 3.33 -24.47	162.26 1.09 -134.40	171.47 1.28 -139.03	123.30 3.43 -38.65	118.93 3.93 -29.19	128.78 5.45 0.00	107.81 4.41 -6.14	101.04 4.28 0.00
ENORWICH_115KV_TB1 80156	84.32 4.21 -7.91	103.55 5.66 -3.95	110.45 5.48 -3.91	62.67 2.34 -18.45	76.10 3.65 -8.23	51.40 1.96 -19.34	93.95 4.47 -31.43	80.31 2.81 -41.08	86.77 4.31 -12.76	54.70 1.28 -20.36	51.62 1.10 -15.83	44.27 0.64 -6.47	41.67 0.68 -1.82	41.40 0.25 -1.90	52.14 0.52 -2.72	95.08 1.84 -6.00	111.78 2.81 -34.96	68.98 1.46 -40.75	73.13 1.65 -40.33	118.86 3.96 -33.67	100.72 4.40 -10.49	133.71 5.48 -4.89	105.57 3.39 -4.92	99.53 2.71 -0.06
ERIE_ST__34_KV_TB1-2 80199	53.65 -5.50 13.05	72.33 -7.15 14.46	77.88 -8.19 14.99	32.10 -3.69 6.09	57.76 -4.99 1.46	26.80 -2.17 1.13	51.50 -3.61 2.92	29.88 -2.63 3.91	46.66 -5.00 18.04	25.58 -2.84 4.65	28.12 -3.13 3.44	29.31 -3.67 4.18	26.58 -3.80 8.80	26.65 -3.89 8.71	35.21 -4.71 8.99	60.59 -8.31 18.34	34.90 -7.19 31.92	22.36 -2.37 2.05	28.75 -2.61 -0.21	44.32 -7.23 29.68	68.38 -6.52 10.93	94.00 -9.90 19.43	79.51 -7.53 10.22	89.46 -6.96 0.33
ERIE_WT_PWR 323693	51.23 -6.45 14.52	69.02 -8.39 16.53	74.60 -9.55 16.91	30.52 -4.19 7.17	56.22 -5.79 2.21	25.33 -2.54 2.22	48.48 -4.29 5.26	26.08 -3.05 7.29	42.48 -5.91 21.32	23.25 -3.22 6.59	25.92 -3.69 5.08	27.83 -4.14 5.18	24.71 -4.42 10.03	24.69 -4.58 9.99	32.95 -5.58 10.37	56.66 -9.89 20.69	31.04 -8.46 34.51	18.71 -2.81 5.25	25.13 -3.11 2.92	39.73 -8.62 32.87	64.86 -7.82 13.14	89.44 -11.79 22.10	76.56 -9.01 11.69	87.93 -8.45 0.38
ESPRGFLD_115KV_TB1 80157	85.66 2.13 -11.33	96.77 2.83 0.00	104.05 2.99 0.00	49.03 1.27 -5.88	84.19 1.99 -17.98	79.62 1.03 -48.50	173.01 2.38 -112.59	125.82 1.62 -87.78	93.94 2.44 -21.80	33.77 0.71 0.00	35.35 0.66 0.00	37.72 0.57 0.00	40.22 1.06 0.00	40.04 0.78 0.00	49.75 0.85 0.00	88.82 1.58 0.00	75.91 1.90 0.00	27.79 1.01 0.00	32.34 1.18 0.00	90.14 2.86 -6.05	97.08 2.93 -8.33	127.07 3.74 0.00	99.70 2.44 0.00	98.88 2.13 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	87.33 0.50 -14.63	100.09 0.63 -5.52	108.94 0.38 -7.51	67.44 0.16 -25.40	71.03 0.44 -6.37	48.17 0.40 -17.68	81.73 1.11 -22.58	68.46 0.76 -31.27	83.33 1.01 -12.61	52.46 0.04 -19.35	47.81 -0.20 -13.32	42.58 -0.46 -5.89	41.49 -0.48 -2.81	41.59 -0.59 -2.93	51.85 -0.71 -3.66	98.77 -0.78 -12.31	146.11 0.05 -72.05	63.05 0.44 -35.84	64.45 0.54 -32.76	143.92 0.99 -61.70	96.93 1.10 -10.00	133.39 0.80 -9.26	105.45 0.41 -7.78	97.11 0.25 -0.10
ETNA____115KV_TB2 80207	87.33 0.50 -14.63	100.09 0.63 -5.52	108.94 0.38 -7.51	67.44 0.16 -25.40	71.03 0.44 -6.37	48.17 0.40 -17.68	81.73 1.11 -22.58	68.46 0.76 -31.27	83.33 1.01 -12.61	52.46 0.04 -19.35	47.81 -0.20 -13.32	42.58 -0.46 -5.89	41.49 -0.48 -2.81	41.59 -0.59 -2.93	51.85 -0.71 -3.66	98.77 -0.78 -12.31	146.11 0.05 -72.05	63.05 0.44 -35.84	64.45 0.54 -32.76	143.92 0.99 -61.70	96.93 1.10 -10.00	133.39 0.80 -9.26	105.45 0.41 -7.78	97.11 0.25 -0.10
EUCLID____115KV_TB2 356179	70.28 -1.92 0.00	91.74 -2.51 -0.31	98.19 -2.87 0.00	43.40 -1.18 -2.70	63.79 -1.69 -1.26	31.81 -0.66 -2.38	60.72 -1.11 -3.80	42.57 -0.67 -6.82	69.70 -1.46 -1.45	36.81 -0.79 -4.53	37.50 -0.96 -3.77	37.44 -1.13 -1.41	37.93 -1.24 0.00	38.04 -1.27 -0.05	47.58 -1.58 -0.25	84.58 -2.66 0.00	73.79 -1.98 -1.76	35.95 -0.48 -9.65	40.57 -0.57 -9.98	81.89 -1.87 -2.53	85.69 -1.90 -1.76	120.19 -3.14 0.00	95.13 -2.57 -0.44	94.12 -2.64 0.00
E_CANADA_CAP_HY 24051	89.41 2.87 -14.34	102.83 3.71 -5.18	105.10 4.04 0.00	96.70 1.68 -53.14	110.95 2.64 -44.10	132.95 1.30 -101.56	268.68 2.82 -207.83	265.19 1.86 -226.91	124.42 2.51 -52.20	110.22 0.54 -76.61	98.86 0.41 -63.75	61.39 0.36 -23.88	39.78 0.62 0.00	40.75 0.60 -0.90	53.89 0.71 -4.28	88.79 1.55 0.00	105.99 2.27 -29.71	191.16 1.18 -163.21	201.35 1.36 -168.83	135.11 3.42 -50.47	129.62 3.50 -40.30	128.11 4.78 0.00	108.12 3.41 -7.46	99.91 3.15 0.00
E_CANADA_MHWK_HY 24050	75.08 2.88 0.00	97.63 3.69 0.00	104.81 3.75 0.00	43.59 1.71 0.00	67.01 2.79 0.00	31.64 1.54 0.00	61.31 3.26 0.00	38.37 1.95 0.00	72.72 2.96 -0.05	34.06 0.99 -0.01	35.41 0.72 0.00	37.67 0.52 0.00	39.48 0.31 0.00	39.70 0.45 0.00	49.48 0.58 0.00	89.13 1.89 0.00	76.49 2.49 0.00	28.06 1.28 -0.01	33.38 1.40 -0.83	86.25 3.43 -1.60	89.93 3.52 -0.58	127.57 4.24 0.00	100.70 3.44 0.00	99.85 3.09 0.00
E_FISHKILL____LBMP 23776	80.34 4.38 -3.76	103.09 5.45 -3.70	106.82 5.76 0.00	78.93 2.49 -34.56	89.21 3.79 -21.20	76.64 1.89 -44.65	138.23 3.82 -76.37	147.11 2.53 -108.16	99.26 4.78 -24.77	90.05 2.32 -54.67	82.71 2.52 -45.49	56.91 2.71 -17.04	41.92 2.75 0.00	42.73 2.84 -0.64	55.52 3.57 -3.05	93.24 6.00 0.00	100.29 5.08 -21.20	145.18 1.94 -116.46	153.88 2.25 -120.48	119.36 5.58 -32.55	115.55 5.73 -23.99	130.98 7.65 0.00	108.48 5.90 -5.32	102.33 5.57 0.00
FALCON____SEABRD_CC1 323796	72.09 -0.11 0.00	93.62 -0.32 0.00	100.54 -0.51 0.00	41.56 -0.32 0.00	63.38 -0.84 0.00	29.40 -0.69 0.00	56.33 -1.71 0.00	35.29 -1.13 0.00	66.63 -2.12 0.96	27.18 -1.09 4.79	14.83 -1.04 18.82	-24.62 -1.09 60.69	-8.86 -1.04 46.98	1.41 -1.02 36.83	20.55 -1.22 27.14	78.23 -1.94 7.08	1.64 -1.92 70.45	-23.96 -0.98 49.75	-17.61 -1.11 47.66	29.58 -2.36 49.29	73.19 -2.35 10.28	120.57 -2.76 0.00	86.83 -2.56 7.87	95.27 -1.48 0.00



FALCON___SEABRD_CC2 323797	72.09 -0.11 0.00	93.62 -0.32 0.00	100.54 -0.51 0.00	41.56 -0.32 0.00	63.38 -0.84 0.00	29.40 -0.69 0.00	56.33 -1.71 0.00	35.29 -1.13 0.00	66.63 -2.12 0.96	27.18 -1.09 4.79	14.83 -1.04 18.82	-24.62 -1.09 60.69	-8.86 -1.04 46.98	1.41 -1.02 36.83	20.55 -1.22 27.14	78.23 -1.94 7.08	1.64 -1.92 70.45	-23.96 -0.98 49.75	-17.61 -1.11 47.66	29.58 -2.36 49.29	73.19 -2.35 10.28	120.57 -2.76 0.00	86.83 -2.56 7.87	95.27 -1.48 0.00
FAR ROCKAWAY___4 23548	82.41 6.53 -3.69	105.80 8.24 -3.62	109.76 8.70 0.00	79.40 3.66 -33.86	90.60 5.61 -20.77	76.58 2.73 -43.76	138.34 5.45 -74.85	145.90 3.50 -105.98	100.51 6.53 -24.27	89.82 3.21 -53.55	82.82 3.57 -44.56	57.66 3.82 -16.69	43.18 4.02 0.00	44.06 4.18 -0.63	69.85 5.31 -15.65	127.91 9.02 -31.64	144.26 7.63 -62.62	156.27 2.92 -126.58	152.45 3.30 -118.00	121.40 8.29 -31.88	117.90 8.57 -23.50	135.06 11.72 0.00	111.29 8.82 -5.21	105.02 8.27 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	81.01 5.13 -3.69	103.83 6.27 -3.62	107.71 6.65 0.00	78.62 2.87 -33.87	89.40 4.40 -20.78	76.08 2.21 -43.77	137.33 4.41 -74.88	145.41 2.98 -106.01	99.71 5.72 -24.28	89.48 2.85 -53.56	82.44 3.17 -44.57	57.34 3.49 -16.69	42.76 3.59 0.00	43.55 3.67 -0.63	56.47 4.58 -2.99	94.77 7.53 0.00	100.87 6.09 -20.77	143.20 2.32 -114.10	151.85 2.65 -118.04	119.67 6.55 -31.89	116.04 6.71 -23.51	132.31 8.98 0.00	109.36 6.89 -5.21	103.24 6.49 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	81.06 5.17 -3.69	103.88 6.32 -3.62	107.78 6.73 0.00	78.64 2.89 -33.87	89.43 4.44 -20.78	76.09 2.23 -43.77	137.36 4.45 -74.88	145.44 3.02 -106.01	99.72 5.74 -24.28	89.50 2.87 -53.56	82.45 3.19 -44.57	57.35 3.51 -16.69	42.77 3.61 0.00	43.57 3.69 -0.63	56.49 4.60 -2.99	94.82 7.58 0.00	100.90 6.12 -20.77	143.21 2.34 -114.10	151.86 2.67 -118.04	119.73 6.61 -31.89	116.09 6.75 -23.51	132.40 9.07 0.00	109.42 6.95 -5.21	103.31 6.56 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	80.97 5.09 -3.69	103.79 6.23 -3.62	107.68 6.63 0.00	78.61 2.86 -33.87	89.37 4.37 -20.78	76.06 2.19 -43.77	137.29 4.38 -74.88	145.41 2.98 -106.01	99.64 5.66 -24.28	89.46 2.84 -53.56	82.43 3.16 -44.57	57.32 3.47 -16.69	42.73 3.57 0.00	43.54 3.66 -0.63	56.44 4.56 -2.99	94.73 7.49 0.00	100.83 6.04 -20.77	143.19 2.31 -114.10	151.83 2.64 -118.04	119.62 6.50 -31.89	115.97 6.64 -23.51	132.25 8.92 0.00	109.31 6.84 -5.21	103.18 6.42 0.00
FARRAGUT___LBMP 323566	80.92 5.03 -3.69	103.71 6.15 -3.62	107.60 6.54 0.00	78.57 2.83 -33.87	89.31 4.32 -20.78	76.04 2.18 -43.77	137.25 4.33 -74.88	145.37 2.94 -106.01	99.57 5.58 -24.28	89.43 2.80 -53.56	82.39 3.12 -44.57	57.28 3.43 -16.69	42.69 3.53 0.00	43.50 3.61 -0.63	56.39 4.50 -2.99	94.64 7.41 0.00	100.75 5.97 -20.77	143.15 2.28 -114.10	151.80 2.61 -118.04	119.54 6.43 -31.89	115.91 6.57 -23.51	132.15 8.81 0.00	109.23 6.76 -5.21	103.12 6.36 0.00
FENNER___WINDPWR 24204	75.04 0.88 -1.96	95.50 1.13 -0.43	102.78 1.13 -0.59	49.15 0.50 -6.76	66.85 0.85 -1.78	34.91 0.47 -4.34	64.59 1.19 -5.36	46.84 0.80 -9.62	73.03 1.27 -2.05	40.41 0.29 -7.06	40.12 0.11 -5.32	39.13 -0.02 -1.99	39.15 -0.02 0.00	39.32 -0.01 -0.07	49.27 0.01 -0.36	88.91 0.31 -1.37	89.10 0.85 -14.24	41.72 0.52 -14.42	45.92 0.59 -14.17	95.15 1.25 -12.67	89.61 1.31 -2.48	125.52 1.53 -0.65	99.47 0.93 -1.28	97.47 0.71 0.00
FIBERTEK___ENERGY 23856	71.09 -1.11 0.00	92.86 -1.45 -0.37	99.29 -1.77 0.00	44.41 -0.72 -3.24	64.78 -0.96 -1.52	32.66 -0.29 -2.85	62.21 -0.38 -4.56	44.41 -0.19 -8.18	70.86 -0.60 -1.75	38.07 -0.43 -5.44	38.60 -0.61 -4.52	38.08 -0.77 -1.69	38.31 -0.85 0.00	38.44 -0.88 -0.06	48.11 -1.10 -0.30	85.51 -1.73 0.00	75.03 -1.08 -2.11	38.24 -0.11 -11.58	42.98 -0.16 -11.98	83.45 -0.81 -3.04	87.14 -0.80 -2.11	121.65 -1.68 0.00	96.31 -1.48 -0.53	95.23 -1.52 0.00
FITZPATRICK____ 23598	69.31 -2.89 0.00	90.41 -3.74 -0.22	96.89 -4.16 0.00	42.08 -1.71 -1.91	62.56 -2.55 -0.89	30.70 -1.07 -1.67	58.71 -2.01 -2.68	39.98 -1.25 -4.81	68.20 -2.53 -1.03	35.03 -1.23 -3.19	35.95 -1.40 -2.66	36.58 -1.57 -1.00	37.46 -1.71 0.00	37.57 -1.72 -0.04	46.91 -2.17 -0.18	83.46 -3.78 0.00	72.23 -3.01 -1.24	32.69 -0.89 -6.80	37.14 -1.06 -7.04	79.92 -3.09 -1.79	83.89 -3.18 -1.24	118.46 -4.87 0.00	93.66 -3.91 -0.31	92.85 -3.91 0.00
FLOWRFLD_69_KV_BK1 356044	82.55 6.66 -3.69	105.96 8.40 -3.62	109.78 8.72 0.00	79.49 3.75 -33.86	90.69 5.70 -20.77	76.58 2.72 -43.76	138.35 5.46 -74.85	145.78 3.39 -105.98	100.26 6.28 -24.27	89.80 3.19 -53.55	82.82 3.57 -44.56	57.51 3.66 -16.69	43.01 3.85 0.00	43.91 4.03 -0.63	69.79 5.24 -15.65	127.79 8.91 -31.64	144.29 7.67 -62.62	156.18 2.83 -126.58	152.26 3.10 -118.00	121.04 7.93 -31.88	117.51 8.18 -23.50	134.92 11.58 0.00	111.31 8.85 -5.21	105.09 8.33 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	81.29 5.35 -3.74	104.30 6.73 -3.64	108.14 7.09 0.00	78.92 3.02 -34.02	89.79 4.65 -20.91	76.51 2.32 -44.10	138.34 4.76 -75.54	146.26 3.21 -106.62	100.13 5.99 -24.44	89.64 2.81 -53.77	82.42 2.99 -44.74	57.10 3.19 -16.76	42.41 3.24 0.00	43.20 3.31 -0.63	56.11 4.21 -3.00	94.64 7.40 0.00	101.30 6.45 -20.85	143.76 2.44 -114.54	152.50 2.86 -118.49	120.37 7.11 -32.03	116.76 7.31 -23.63	133.12 9.79 0.00	109.92 7.43 -5.23	103.75 6.99 0.00
FORT ORANGE____ 23900	85.13 3.59 -9.34	102.95 4.61 -4.40	105.82 4.76 0.00	87.63 2.10 -43.65	100.32 3.16 -32.94	105.49 1.39 -74.00	201.69 2.37 -141.28	199.18 1.31 -161.45	110.23 2.72 -37.80	99.33 1.21 -65.05	89.97 1.15 -54.13	58.70 1.27 -20.27	40.38 1.22 0.00	41.20 1.19 -0.76	53.92 1.39 -3.63	89.63 2.39 0.00	101.44 2.21 -25.23	166.11 0.76 -138.58	175.40 0.89 -143.35	124.58 2.31 -41.04	120.03 2.47 -31.73	126.81 3.47 0.00	107.05 3.47 -6.33	100.83 4.07 0.00
FORT_DRUM_COGEN 23780	73.08 0.88 0.00	95.87 1.76 -0.18	101.80 0.75 0.00	43.46 -0.01 -1.59	65.18 0.21 -0.74	31.17 -0.33 -1.40	59.97 -0.30 -2.23	40.35 -0.08 -4.01	70.02 -0.35 -0.67	35.19 -0.52 -2.65	35.78 -1.12 -2.22	36.45 -1.53 -0.83	37.59 -1.58 0.00	38.30 -0.99 -0.03	47.80 -1.25 -0.15	85.79 -1.45 0.00	74.91 -0.12 -1.03	32.67 0.24 -5.66	34.46 0.30 -3.01	77.53 0.32 4.02	84.96 0.10 0.97	124.49 1.16 0.00	96.88 -0.63 -0.26	95.56 -1.19 0.00
FOX_HILLS___ESR 323835	190.68 5.22 -113.26	121.66 6.34 -21.38	275.22 6.75 -167.42	98.56 2.91 -53.76	118.67 4.47 -49.99	133.64 2.24 -101.31	141.97 4.52 -79.41	148.00 3.02 -108.56	538.95 5.68 -463.55	462.15 2.79 -426.31	211.05 3.16 -173.20	64.14 3.44 -23.55	64.19 3.50 -21.53	64.18 3.58 -21.35	64.11 4.43 -10.78	163.00 7.29 -68.46	90.16 5.92 -10.23	120.26 2.25 -91.23	128.99 2.60 -95.24	95.72 6.48 -8.01	87.78 6.54 4.58	95.37 8.83 36.79	181.71 6.81 -77.65	156.24 6.43 -53.05
FPL FAR_ROCK_GT1 24212	82.42 6.54 -3.69	105.80 8.23 -3.62	109.77 8.71 0.00	79.40 3.66 -33.86	90.60 5.61 -20.77	76.58 2.73 -43.76	138.34 5.44 -74.85	145.90 3.50 -105.98	100.51 6.53 -24.27	89.83 3.22 -53.55	82.82 3.56 -44.56	57.66 3.82 -16.69	43.18 4.02 0.00	44.07 4.19 -0.63	69.85 5.31 -15.65	127.92 9.04 -31.64	144.27 7.64 -62.62	156.28 2.93 -126.58	152.46 3.30 -118.00	121.40 8.29 -31.88	117.89 8.56 -23.50	135.05 11.71 0.00	111.29 8.82 -5.21	105.01 8.26 0.00



FPL FAR_ROCK_GT2 23815	82.42 6.54 -3.69	105.80 8.23 -3.62	109.77 8.71 0.00	79.40 3.66 -33.86	90.60 5.61 -20.77	76.58 2.73 -43.76	138.34 5.44 -74.85	145.90 3.50 -105.98	100.51 6.53 -24.27	89.83 3.22 -53.55	82.82 3.56 -44.56	57.66 3.82 -16.69	43.18 4.02 0.00	44.07 4.19 -0.63	69.85 5.31 -15.65	127.92 9.04 -31.64	144.27 7.64 -62.62	156.28 2.93 -126.58	152.46 3.30 -118.00	121.40 8.29 -31.88	117.89 8.56 -23.50	135.05 11.71 0.00	111.29 8.82 -5.21	105.01 8.26 0.00
FRANKLIN_FALL_HYD 24054	72.41 0.21 0.00	94.09 0.15 0.00	101.21 0.15 0.00	41.87 -0.02 0.00	64.01 -0.21 0.00	29.69 -0.40 0.00	57.02 -1.02 0.00	35.73 -0.69 0.00	67.65 -1.17 0.89	32.68 -0.60 -0.22	35.35 -0.56 -1.22	40.53 -0.55 -3.92	41.73 -0.47 -3.04	41.24 -0.39 -2.38	50.31 -0.34 -1.75	87.09 -0.61 -0.46	77.80 -0.75 -4.55	29.34 -0.55 -3.11	18.94 -0.59 11.63	55.03 -1.11 25.08	75.21 -1.01 9.61	122.82 -0.51 0.00	96.76 -1.00 -0.51	96.47 -0.29 0.00
FREEPORT_EQUS_GT1 23764	82.00 6.11 -3.69	105.23 7.67 -3.62	109.13 8.08 0.00	79.16 3.42 -33.86	90.21 5.22 -20.77	76.41 2.55 -43.76	137.99 5.09 -74.85	145.55 3.15 -105.98	100.00 6.03 -24.27	89.64 3.03 -53.55	82.64 3.39 -44.56	57.43 3.59 -16.69	42.91 3.75 0.00	43.77 3.88 -0.63	69.51 4.96 -15.65	127.34 8.45 -31.64	143.58 6.95 -62.62	156.02 2.67 -126.58	152.21 3.05 -118.00	120.84 7.73 -31.88	117.28 7.96 -23.50	134.23 10.90 0.00	110.63 8.16 -5.21	104.41 7.65 0.00
FREEPORT___CT2 23818	82.00 6.11 -3.69	105.23 7.67 -3.62	109.13 8.08 0.00	79.16 3.42 -33.86	90.21 5.22 -20.77	76.41 2.55 -43.76	137.99 5.09 -74.85	145.55 3.15 -105.98	100.00 6.03 -24.27	89.64 3.03 -53.55	82.64 3.39 -44.56	57.43 3.59 -16.69	42.91 3.75 0.00	43.77 3.88 -0.63	69.51 4.96 -15.65	127.34 8.45 -31.64	143.58 6.95 -62.62	156.02 2.67 -126.58	152.21 3.05 -118.00	120.84 7.73 -31.88	117.28 7.96 -23.50	134.23 10.90 0.00	110.63 8.16 -5.21	104.41 7.65 0.00
FRESHKLS_33_KV_LOAD 356253	190.58 5.12 -113.26	121.52 6.20 -21.38	275.11 6.64 -167.42	98.51 2.87 -53.76	118.60 4.40 -49.99	133.61 2.21 -101.31	141.91 4.45 -79.41	147.92 2.94 -108.56	538.77 5.51 -463.55	462.05 2.68 -426.31	210.93 3.04 -173.20	64.00 3.30 -23.55	64.06 3.37 -21.53	64.05 3.45 -21.35	63.95 4.27 -10.78	162.73 7.02 -68.46	89.95 5.71 -10.23	120.18 2.18 -91.23	128.90 2.50 -95.24	95.47 6.23 -8.01	87.53 6.28 4.58	94.98 8.45 36.79	181.41 6.51 -77.65	155.95 6.14 -53.05
FULTON COGEN____ 23766	70.21 -1.99 0.00	91.62 -2.60 -0.29	98.07 -2.99 0.00	43.18 -1.24 -2.53	63.63 -1.77 -1.18	31.65 -0.68 -2.23	60.45 -1.15 -3.56	42.14 -0.66 -6.39	69.63 -1.44 -1.36	36.52 -0.79 -4.24	37.25 -0.97 -3.53	37.38 -1.10 -1.32	37.96 -1.21 0.00	38.08 -1.23 -0.05	47.60 -1.54 -0.24	84.66 -2.58 0.00	73.79 -1.87 -1.65	35.41 -0.41 -9.04	40.02 -0.49 -9.36	81.91 -1.68 -2.37	85.73 -1.74 -1.65	120.39 -2.94 0.00	95.15 -2.52 -0.41	94.18 -2.58 0.00
FULTON___LFGE 323630	91.97 4.18 -15.59	104.29 5.41 -4.94	106.84 5.78 0.00	95.94 2.41 -51.65	113.12 3.82 -45.08	137.00 1.88 -105.02	279.73 4.01 -217.68	270.41 2.59 -231.40	126.74 3.59 -53.45	106.88 0.78 -73.03	95.99 0.52 -60.77	60.37 0.46 -22.76	39.77 0.60 0.00	40.73 0.62 -0.85	53.79 0.81 -4.08	89.71 2.47 0.00	106.10 3.77 -28.32	184.15 1.81 -155.57	194.20 2.11 -160.93	135.66 5.31 -49.13	131.18 5.52 -39.83	130.78 7.45 0.00	109.81 5.44 -7.11	101.85 5.09 0.00
G.F.CEMENT___DRP 24184	95.03 7.08 -15.75	107.65 9.15 -4.57	110.76 9.71 0.00	94.45 4.11 -48.46	114.51 6.48 -43.81	136.11 3.18 -102.83	278.97 6.56 -214.37	265.40 4.05 -224.93	129.14 7.26 -52.17	103.74 3.14 -67.54	93.89 2.99 -56.20	61.13 2.93 -21.05	42.01 2.84 0.00	42.95 2.91 -0.79	56.66 3.99 -3.77	95.14 7.90 0.00	107.46 7.26 -26.19	173.48 2.84 -143.87	183.29 3.32 -148.82	135.85 8.43 -46.20	132.52 8.81 -37.88	135.42 12.09 0.00	112.95 9.12 -6.57	105.64 8.89 0.00
GARDENVILLE___LBMP 24039	49.03 -6.65 16.52	65.99 -8.65 19.30	71.76 -9.79 19.51	29.00 -4.30 8.58	55.12 -5.95 3.15	23.88 -2.63 3.59	45.47 -4.46 8.11	21.90 -3.14 11.38	38.11 -6.13 25.46	20.76 -3.29 9.01	23.89 -3.66 7.14	26.40 -4.27 6.48	22.94 -4.57 11.66	22.92 -4.71 11.62	31.04 -5.74 12.13	53.36 -10.14 23.73	27.37 -8.65 37.99	14.89 -2.83 9.06	21.36 -3.17 6.63	35.36 -8.88 36.98	61.73 -8.17 15.92	85.49 -12.33 25.52	74.30 -9.39 13.57	87.66 -8.65 0.44
GARDNVLA_35_KV_LD 355827	52.00 -6.43 13.77	70.08 -8.36 15.50	75.62 -9.49 15.94	31.08 -4.17 6.63	56.64 -5.72 1.86	25.87 -2.52 1.71	49.68 -4.23 4.13	27.79 -2.98 5.65	44.25 -5.81 19.64	24.27 -3.15 5.64	26.88 -3.52 4.29	28.33 -4.12 4.70	25.35 -4.41 9.40	25.39 -4.54 9.33	33.73 -5.52 9.65	58.03 -9.76 19.45	32.67 -8.29 33.04	20.41 -2.68 3.68	26.75 -3.00 1.41	41.66 -8.44 31.12	66.08 -7.72 12.01	90.94 -11.70 20.70	77.41 -8.93 10.92	88.18 -8.22 0.36
GELCKHM___115KV_LOAD 80723	70.59 -1.61 0.00	92.16 -2.11 -0.33	98.61 -2.45 0.00	43.78 -1.00 -2.90	64.17 -1.41 -1.35	32.13 -0.51 -2.55	61.27 -0.84 -4.08	43.25 -0.49 -7.31	70.14 -1.13 -1.56	37.27 -0.65 -4.86	37.91 -0.82 -4.05	37.69 -0.98 -1.52	38.08 -1.09 0.00	38.20 -1.12 -0.06	47.77 -1.41 -0.27	84.94 -2.30 0.00	74.25 -1.64 -1.89	36.80 -0.33 -10.35	41.46 -0.41 -10.71	82.48 -1.46 -2.72	86.23 -1.48 -1.89	120.75 -2.59 0.00	95.62 -2.11 -0.47	94.56 -2.20 0.00
GENERAL___MILLS 23808	51.20 -6.48 14.52	68.98 -8.43 16.53	74.60 -9.55 16.91	30.51 -4.21 7.17	56.24 -5.77 2.21	25.33 -2.55 2.22	48.48 -4.30 5.26	26.10 -3.03 7.29	42.46 -5.92 21.32	23.27 -3.20 6.59	26.05 -3.56 5.08	27.81 -4.16 5.18	24.68 -4.45 10.03	24.67 -4.59 9.99	32.95 -5.58 10.37	56.69 -9.86 20.69	31.10 -8.39 34.51	18.79 -2.74 5.25	25.19 -3.05 2.92	39.78 -8.58 32.87	64.80 -7.88 13.14	89.32 -11.90 22.10	76.51 -9.06 11.69	88.02 -8.36 0.38
GE_PLASTICS___DRP 24183	83.18 2.95 -8.04	102.12 3.78 -4.40	104.98 3.93 0.00	86.56 1.73 -42.95	97.71 2.63 -30.86	99.72 1.22 -68.40	188.32 2.29 -127.99	191.02 1.36 -153.25	108.01 2.69 -35.62	99.35 1.28 -65.01	90.07 1.29 -54.10	58.82 1.41 -20.26	40.54 1.38 0.00	41.40 1.39 -0.76	54.21 1.68 -3.63	90.10 2.86 0.00	101.74 2.52 -25.21	166.13 0.87 -138.48	175.41 1.01 -143.25	124.27 2.63 -40.41	119.49 2.79 -30.88	127.19 3.85 0.00	107.04 3.46 -6.33	100.19 3.44 0.00
GILBOA___1 23756	77.95 2.59 -3.16	100.98 3.55 -3.49	104.78 3.73 0.00	75.92 1.61 -32.43	86.11 2.49 -19.40	71.71 1.12 -40.50	128.17 2.25 -67.88	136.69 1.41 -98.85	94.97 2.64 -22.62	85.96 1.27 -51.62	78.98 1.33 -42.96	54.64 1.40 -16.09	40.54 1.38 0.00	41.29 1.43 -0.60	53.61 1.83 -2.88	90.37 3.13 0.00	96.75 2.72 -20.02	137.77 1.03 -109.97	146.08 1.16 -113.76	114.69 2.95 -30.52	111.29 3.11 -22.36	127.45 4.11 0.00	105.58 3.30 -5.02	99.90 3.14 0.00
GILBOA___2 23757	77.95 2.59 -3.16	100.98 3.55 -3.49	104.78 3.73 0.00	75.92 1.61 -32.43	86.11 2.49 -19.40	71.71 1.12 -40.50	128.17 2.25 -67.88	136.69 1.41 -98.85	94.97 2.64 -22.62	85.96 1.27 -51.62	78.98 1.33 -42.96	54.64 1.40 -16.09	40.54 1.38 0.00	41.29 1.43 -0.60	53.61 1.83 -2.88	90.37 3.13 0.00	96.75 2.72 -20.02	137.77 1.03 -109.97	146.08 1.16 -113.76	114.69 2.95 -30.52	111.29 3.11 -22.36	127.45 4.11 0.00	105.58 3.30 -5.02	99.90 3.14 0.00



GILBOA___3 23758	77.95 2.59 -3.16	100.98 3.55 -3.49	104.78 3.73 0.00	75.92 1.61 -32.43	86.11 2.49 -19.40	71.71 1.12 -40.50	128.17 2.25 -67.88	136.69 1.41 -98.85	94.97 2.64 -22.62	85.96 1.27 -51.62	78.98 1.33 -42.96	54.64 1.40 -16.09	40.54 1.38 0.00	41.29 1.43 -0.60	53.61 1.83 -2.88	90.37 3.13 0.00	96.75 2.72 -20.02	137.77 1.03 -109.97	146.08 1.16 -113.76	114.69 2.95 -30.52	111.29 3.11 -22.36	127.45 4.11 0.00	105.58 3.30 -5.02	99.90 3.14 0.00
GILBOA___4 23759	77.95 2.59 -3.16	100.98 3.55 -3.49	104.78 3.73 0.00	75.92 1.61 -32.43	86.11 2.49 -19.40	71.71 1.12 -40.50	128.17 2.25 -67.88	136.69 1.41 -98.85	94.97 2.64 -22.62	85.96 1.27 -51.62	78.98 1.33 -42.96	54.64 1.40 -16.09	40.54 1.38 0.00	41.29 1.43 -0.60	53.61 1.83 -2.88	90.37 3.13 0.00	96.75 2.72 -20.02	137.77 1.03 -109.97	146.08 1.16 -113.76	114.69 2.95 -30.52	111.29 3.11 -22.36	127.45 4.11 0.00	105.58 3.30 -5.02	99.90 3.14 0.00
GILBOA___ 23599	77.95 2.59 -3.16	100.99 3.56 -3.49	104.79 3.74 0.00	75.92 1.61 -32.43	86.11 2.49 -19.40	71.71 1.12 -40.50	128.17 2.25 -67.88	136.69 1.41 -98.85	94.97 2.64 -22.62	85.96 1.27 -51.62	78.99 1.33 -42.96	54.65 1.40 -16.09	40.54 1.38 0.00	41.29 1.43 -0.60	53.61 1.82 -2.88	90.37 3.13 0.00	96.74 2.71 -20.02	137.77 1.02 -109.97	146.07 1.16 -113.76	114.69 2.95 -30.52	111.29 3.11 -22.36	127.46 4.13 0.00	105.59 3.30 -5.02	99.90 3.14 0.00
GINNA___ 23603	64.59 -6.21 1.40	86.32 -8.05 -0.43	91.66 -8.98 0.42	39.78 -3.77 -1.66	60.58 -5.39 -1.76	30.34 -2.35 -2.60	59.25 -4.08 -5.30	43.23 -2.67 -9.48	66.37 -5.36 -2.03	36.07 -2.83 -5.84	36.74 -3.20 -5.25	35.57 -3.55 -1.96	35.30 -3.87 0.00	35.30 -4.03 -0.07	44.29 -4.97 -0.35	77.80 -8.48 0.96	61.28 -6.83 5.90	37.42 -2.20 -12.85	42.48 -2.50 -13.83	71.21 -7.08 2.94	81.29 -6.98 -2.45	112.14 -10.73 0.46	88.91 -8.49 -0.15	88.58 -8.18 0.00
GLEN PARK___ 23778	73.44 1.25 0.00	96.34 2.22 -0.19	102.30 1.24 0.00	43.72 0.19 -1.65	65.54 0.55 -0.77	31.42 -0.12 -1.45	60.51 0.16 -2.31	40.80 0.23 -4.15	70.64 0.22 -0.71	35.50 -0.30 -2.74	36.03 -0.96 -2.29	36.59 -1.42 -0.86	37.66 -1.50 0.00	38.41 -0.88 -0.03	48.00 -1.06 -0.15	86.30 -0.94 0.00	75.49 0.41 -1.07	33.12 0.48 -5.86	35.11 0.59 -3.37	78.55 1.00 3.67	85.79 0.79 0.82	125.31 1.97 0.00	97.48 -0.05 -0.27	96.16 -0.60 0.00
GLENDALE_27_KV_LOAD 356172	81.39 5.50 -3.69	104.30 6.74 -3.62	108.23 7.17 0.00	78.83 3.08 -33.87	89.71 4.71 -20.78	76.22 2.35 -43.78	137.65 4.73 -74.88	145.66 3.23 -106.02	100.19 6.20 -24.28	89.68 3.04 -53.57	82.69 3.42 -44.58	57.60 3.75 -16.70	42.99 3.83 0.00	43.80 3.92 -0.63	56.72 4.83 -2.99	95.21 7.97 0.00	101.32 6.54 -20.77	143.36 2.48 -114.11	152.04 2.84 -118.05	120.18 7.06 -31.89	116.56 7.22 -23.51	132.99 9.65 0.00	109.90 7.43 -5.21	103.84 7.09 0.00
GLENWOOD_IC_1_G5 23712	81.97 6.08 -3.69	105.19 7.63 -3.62	109.08 8.02 0.00	79.15 3.41 -33.86	90.23 5.24 -20.77	76.40 2.54 -43.76	137.77 4.88 -74.85	145.54 3.15 -105.98	99.91 5.93 -24.27	89.58 2.97 -53.55	82.70 3.45 -44.56	57.51 3.67 -16.69	42.98 3.82 0.00	43.75 3.87 -0.63	69.37 4.83 -15.65	127.06 8.17 -31.64	143.49 6.86 -62.62	155.96 2.61 -126.58	152.09 2.92 -118.00	120.50 7.39 -31.88	116.91 7.58 -23.50	133.61 10.28 0.00	110.16 7.69 -5.21	104.01 7.26 0.00
GLENWOOD_IC_2_G1 23688	81.75 5.87 -3.69	104.91 7.35 -3.62	108.78 7.72 0.00	79.03 3.29 -33.86	90.04 5.05 -20.77	76.32 2.46 -43.76	137.76 4.86 -74.85	145.54 3.14 -105.98	99.87 5.89 -24.27	89.56 2.95 -53.55	82.58 3.33 -44.56	57.39 3.55 -16.69	42.85 3.69 0.00	43.67 3.79 -0.63	69.34 4.79 -15.65	126.99 8.11 -31.64	143.41 6.79 -62.62	155.94 2.59 -126.58	152.06 2.90 -118.00	120.43 7.32 -31.88	116.81 7.48 -23.50	133.54 10.21 0.00	110.16 7.69 -5.21	104.00 7.24 0.00
GLENWOOD_IC_3_G1 23689	81.75 5.87 -3.69	104.91 7.35 -3.62	108.78 7.72 0.00	79.03 3.29 -33.86	90.04 5.05 -20.77	76.32 2.46 -43.76	137.76 4.86 -74.85	145.54 3.14 -105.98	99.87 5.89 -24.27	89.56 2.95 -53.55	82.58 3.33 -44.56	57.39 3.55 -16.69	42.85 3.69 0.00	43.67 3.79 -0.63	69.34 4.79 -15.65	126.99 8.11 -31.64	143.41 6.79 -62.62	155.94 2.59 -126.58	152.06 2.90 -118.00	120.43 7.32 -31.88	116.81 7.48 -23.50	133.54 10.21 0.00	110.16 7.69 -5.21	104.00 7.24 0.00
GLENWOOD___4 23550	81.97 6.08 -3.69	105.19 7.63 -3.62	109.08 8.02 0.00	79.15 3.41 -33.86	90.23 5.24 -20.77	76.40 2.55 -43.76	137.83 4.94 -74.85	145.59 3.19 -105.98	100.00 6.02 -24.27	89.61 3.00 -53.55	82.70 3.45 -44.56	57.51 3.67 -16.69	42.98 3.82 0.00	43.77 3.89 -0.63	69.43 4.88 -15.65	127.17 8.28 -31.64	143.57 6.94 -62.62	156.00 2.65 -126.58	152.13 2.97 -118.00	120.59 7.48 -31.88	117.03 7.70 -23.50	133.74 10.41 0.00	110.30 7.83 -5.21	104.13 7.37 0.00
GLENWOOD___5 23614	81.97 6.08 -3.69	105.19 7.63 -3.62	109.08 8.02 0.00	79.15 3.41 -33.86	90.23 5.24 -20.77	76.40 2.55 -43.76	137.83 4.94 -74.85	145.59 3.19 -105.98	100.00 6.02 -24.27	89.61 3.00 -53.55	82.70 3.45 -44.56	57.51 3.67 -16.69	42.98 3.82 0.00	43.77 3.89 -0.63	69.43 4.88 -15.65	127.17 8.28 -31.64	143.57 6.94 -62.62	156.00 2.65 -126.58	152.13 2.97 -118.00	120.59 7.48 -31.88	117.03 7.70 -23.50	133.74 10.41 0.00	110.30 7.83 -5.21	104.13 7.37 0.00
GLOBAL GREEN_PORT_GT1 23814	84.12 8.24 -3.69	108.31 10.74 -3.62	112.39 11.33 0.00	80.61 4.87 -33.86	92.42 7.43 -20.77	77.34 3.48 -43.76	139.92 7.02 -74.85	146.67 4.27 -105.98	101.74 7.76 -24.27	90.42 3.81 -53.55	83.34 4.09 -44.56	57.96 4.12 -16.69	43.54 4.38 0.00	44.56 4.68 -0.63	70.66 6.11 -15.65	129.33 10.44 -31.64	145.84 9.22 -62.62	156.95 3.60 -126.58	153.19 4.03 -118.00	123.38 10.27 -31.88	119.86 10.53 -23.50	137.72 14.39 0.00	113.39 10.92 -5.21	107.05 10.29 0.00
GLOBE___DSASP 323697	52.78 -8.22 11.20	70.81 -10.67 12.46	76.17 -11.96 12.93	31.75 -5.19 4.94	55.79 -7.31 1.12	26.15 -3.29 0.65	50.20 -5.73 2.11	29.64 -4.03 2.76	46.35 -7.79 15.56	25.34 -4.05 3.67	27.57 -4.45 2.67	28.58 -5.09 3.50	26.01 -5.52 7.63	25.95 -5.73 7.58	34.12 -6.98 7.80	58.93 -12.40 15.91	36.05 -10.67 27.28	22.16 -3.57 1.04	28.08 -4.01 -0.93	44.67 -11.18 25.38	66.08 -10.38 9.36	90.91 -15.53 16.89	76.48 -11.95 8.83	85.52 -10.96 0.29
GOETHSLN___LBMP 323567	-51.96 4.65 128.81	44.47 5.61 55.08	-1200.95 6.00 1308.01	42.14 2.58 2.33	32.32 3.97 35.87	2.78 2.00 29.32	77.33 3.98 -15.30	99.62 2.72 -60.47	-409.34 5.17 484.22	-660.97 2.61 696.64	-418.20 2.94 455.82	-597.60 3.24 638.00	-24.34 3.32 66.82	15.77 3.40 26.88	-86.11 4.24 139.25	-23.80 6.91 117.95	89.57 5.52 -10.05	114.10 2.11 -85.22	94.28 2.41 -60.72	70.52 5.91 16.61	68.69 6.02 23.16	-20.03 8.04 151.40	-65.86 6.17 169.29	-59.12 5.75 161.62
GOLAH___69_KV_TB 1_2 80279	66.96 -3.66 1.58	89.62 -4.77 -0.45	95.09 -5.49 0.47	41.06 -2.39 -1.57	62.90 -3.16 -1.84	31.48 -1.29 -2.67	61.83 -1.90 -5.69	45.22 -1.37 -10.16	69.22 -2.88 -2.40	37.51 -1.77 -6.22	38.08 -2.15 -5.54	36.67 -2.54 -2.06	36.38 -2.84 -0.05	36.46 -2.98 -0.19	45.75 -3.64 -0.49	80.23 -6.14 0.87	62.73 -4.73 6.54	39.16 -1.32 -13.70	44.46 -1.43 -14.73	73.59 -4.41 3.22	84.68 -3.89 -2.74	116.68 -6.37 0.28	92.48 -5.01 -0.24	92.22 -4.53 0.00



GOODYEAR_LAKE_HYD 323669	80.33 2.50 -5.64	98.36 3.30 -1.12	104.47 3.41 0.00	56.15 1.46 -12.80	80.07 2.30 -13.55	64.06 1.19 -32.77	128.48 2.67 -67.77	105.73 1.76 -67.55	88.88 3.03 -16.15	50.79 1.17 -16.56	49.66 1.19 -13.78	43.47 1.16 -5.16	41.10 1.93 0.00	40.78 1.33 -0.19	51.33 1.50 -0.92	89.92 2.68 0.00	83.02 2.59 -6.42	63.20 1.16 -35.27	68.98 1.34 -36.48	96.75 3.28 -12.26	99.77 3.38 -10.57	127.60 4.27 0.00	101.90 3.03 -1.61	99.52 2.77 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	71.55 -0.64 0.01	94.34 -0.75 -1.16	99.51 -1.14 0.41	50.22 -0.50 -8.84	70.59 -0.56 -6.93	44.07 -0.11 -14.08	83.87 0.06 -25.77	71.76 0.05 -35.28	77.69 -0.12 -8.11	49.33 -0.38 -16.64	48.53 -0.40 -14.24	41.87 -0.61 -5.33	38.66 -0.50 0.00	38.88 -0.58 -0.20	49.20 -0.65 -0.95	85.14 -1.14 0.96	71.38 -1.01 1.62	62.59 -0.07 -35.89	68.71 -0.10 -37.65	84.43 -0.70 -3.91	92.95 -0.52 -7.64	121.66 -1.21 0.46	97.46 -1.00 -1.21	95.70 -1.06 0.00
GOUDEY___7 23579	71.55 -0.64 0.01	94.34 -0.75 -1.16	99.51 -1.14 0.41	50.22 -0.50 -8.84	70.59 -0.56 -6.93	44.07 -0.11 -14.08	83.87 0.06 -25.77	71.76 0.05 -35.28	77.69 -0.12 -8.11	49.33 -0.38 -16.64	48.53 -0.40 -14.24	41.87 -0.61 -5.33	38.66 -0.50 0.00	38.88 -0.58 -0.20	49.20 -0.65 -0.95	85.14 -1.14 0.96	71.38 -1.01 1.62	62.59 -0.07 -35.89	68.71 -0.10 -37.65	84.43 -0.70 -3.91	92.95 -0.52 -7.64	121.66 -1.21 0.46	97.46 -1.00 -1.21	95.70 -1.06 0.00
GOUDEY___8 23580	71.55 -0.64 0.01	94.34 -0.75 -1.16	99.51 -1.14 0.41	50.22 -0.50 -8.84	70.59 -0.56 -6.93	44.07 -0.11 -14.08	83.87 0.06 -25.77	71.76 0.05 -35.28	77.69 -0.12 -8.11	49.33 -0.38 -16.64	48.53 -0.40 -14.24	41.87 -0.61 -5.33	38.66 -0.50 0.00	38.88 -0.58 -0.20	49.20 -0.65 -0.95	85.14 -1.14 0.96	71.38 -1.01 1.62	62.59 -0.07 -35.89	68.71 -0.10 -37.65	84.43 -0.70 -3.91	92.95 -0.52 -7.64	121.66 -1.21 0.46	97.46 -1.00 -1.21	95.70 -1.06 0.00
GOWANUS_GT1_1 24077	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT1_2 24078	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT1_3 24079	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT1_4 24080	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT1_5 24084	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT1_6 24111	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT1_7 24112	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT1_8 24113	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT2_1 24114	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT2_2 24115	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT2_3 24116	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98



GOWANUS_GT2_4 24117	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT2_5 24118	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT2_6 24119	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT2_7 24120	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT2_8 24121	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_1 24122	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_2 24123	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_3 24124	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_4 24125	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_5 24126	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_6 24127	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_7 24128	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT3_8 24129	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
GOWANUS_GT4_1 24130	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT4_2 24131	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98



GOWANUS_GT4_3 24132	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT4_4 24133	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT4_5 24134	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT4_6 24135	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT4_7 24136	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GOWANUS_GT4_8 24137	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GREENBSH_115KV_TB3 55895	84.91 3.12 -9.60	102.35 3.99 -4.42	105.18 4.12 0.00	87.66 1.83 -43.95	100.41 2.77 -33.43	106.64 1.28 -75.27	204.46 2.27 -144.15	201.25 1.27 -163.57	110.73 2.69 -38.33	99.67 1.28 -65.33	90.33 1.27 -54.36	58.95 1.43 -20.36	40.55 1.38 0.00	41.38 1.37 -0.76	54.15 1.61 -3.65	89.88 2.64 0.00	101.65 2.31 -25.34	166.67 0.74 -139.16	175.96 0.85 -143.96	124.82 2.28 -41.32	120.25 2.42 -32.00	126.74 3.41 0.00	107.03 3.41 -6.36	100.23 3.47 0.00
GREENIDGE_115KV_TB5 80291	79.54 -2.66 -10.00	114.66 -3.58 -24.30	116.64 -4.22 -19.80	47.08 -1.51 -6.71	74.27 -1.96 -12.01	45.65 -0.61 -16.16	96.17 -0.76 -38.89	91.15 -0.52 -55.25	107.99 -1.57 -39.85	59.71 -1.11 -27.75	59.08 -1.46 -25.84	49.42 -1.94 -14.21	51.03 -2.01 -13.87	51.23 -2.06 -14.04	61.94 -2.51 -15.55	103.28 -4.31 -20.35	57.68 -2.65 13.67	76.96 -0.55 -50.73	84.01 -0.62 -53.47	83.94 -2.06 -4.78	111.72 -2.24 -28.14	144.94 -4.95 -26.56	108.01 -3.66 -14.41	94.26 -3.02 -0.52
GREENIDGE___3 23582	79.54 -2.66 -10.00	114.66 -3.58 -24.30	116.64 -4.22 -19.80	47.08 -1.51 -6.71	74.27 -1.96 -12.01	45.65 -0.61 -16.16	96.17 -0.76 -38.89	91.15 -0.52 -55.25	107.99 -1.57 -39.85	59.71 -1.11 -27.75	59.08 -1.46 -25.84	49.42 -1.94 -14.21	51.03 -2.01 -13.87	51.23 -2.06 -14.04	61.94 -2.51 -15.55	103.28 -4.31 -20.35	57.68 -2.65 13.67	76.96 -0.55 -50.73	84.01 -0.62 -53.47	83.94 -2.06 -4.78	111.72 -2.24 -28.14	144.94 -4.95 -26.56	108.01 -3.66 -14.41	94.26 -3.02 -0.52
GREENIDGE___4 23583	79.54 -2.66 -10.00	114.65 -3.60 -24.30	116.62 -4.24 -19.80	47.07 -1.52 -6.71	74.26 -1.97 -12.01	45.65 -0.61 -16.16	96.17 -0.76 -38.89	91.14 -0.53 -55.25	107.99 -1.56 -39.85	59.71 -1.11 -27.75	59.04 -1.49 -25.84	49.42 -1.94 -14.21	51.03 -2.00 -13.87	51.23 -2.07 -14.04	61.95 -2.51 -15.55	103.27 -4.32 -20.35	57.67 -2.67 13.67	76.96 -0.54 -50.73	84.01 -0.62 -53.47	83.87 -2.14 -4.78	111.70 -2.26 -28.14	144.92 -4.97 -26.56	108.00 -3.67 -14.41	94.25 -3.03 -0.52
GREENLWN_69_KV_BK 3 55738	81.82 5.94 -3.69	105.03 7.47 -3.62	108.89 7.84 0.00	79.08 3.34 -33.86	90.11 5.12 -20.77	76.33 2.47 -43.76	137.82 4.93 -74.85	145.53 3.13 -105.98	99.80 5.82 -24.27	89.57 2.95 -53.55	82.63 3.37 -44.56	57.38 3.53 -16.69	42.83 3.66 0.00	43.68 3.80 -0.63	69.43 4.89 -15.65	127.16 8.27 -31.64	143.56 6.93 -62.62	155.95 2.60 -126.58	152.02 2.86 -118.00	120.40 7.29 -31.88	116.82 7.49 -23.50	133.63 10.30 0.00	110.29 7.82 -5.21	104.13 7.37 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98
GRISSOM___SOLAR 323813	92.34 4.32 -15.82	104.42 5.59 -4.89	107.00 5.94 0.00	95.74 2.48 -51.38	113.42 3.94 -45.26	137.69 1.93 -105.66	281.61 4.09 -219.49	271.27 2.62 -232.22	126.99 3.61 -53.68	106.17 0.74 -72.37	95.39 0.48 -60.22	60.12 0.41 -22.55	39.70 0.54 0.00	40.65 0.55 -0.85	53.63 0.69 -4.04	89.68 2.44 0.00	105.99 3.92 -28.07	182.78 1.85 -154.16	192.78 2.15 -159.47	135.55 5.44 -48.88	131.22 5.66 -39.74	131.01 7.68 0.00	109.95 5.65 -7.04	102.06 5.30 0.00
GROVEVILLE___HYD 323602	81.29 5.35 -3.74	104.30 6.73 -3.64	108.14 7.09 0.00	78.92 3.02 -34.02	89.79 4.65 -20.91	76.51 2.32 -44.10	138.34 4.76 -75.54	146.26 3.21 -106.62	100.13 5.99 -24.44	89.64 2.81 -53.77	82.42 2.99 -44.74	57.10 3.19 -16.76	42.41 3.24 0.00	43.20 3.31 -0.63	56.11 4.21 -3.00	94.64 7.40 0.00	101.30 6.45 -20.85	143.76 2.44 -114.54	152.50 2.86 -118.49	120.37 7.11 -32.03	116.76 7.31 -23.63	133.12 9.79 0.00	109.92 7.43 -5.23	103.75 6.99 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	71.09 -1.11 0.00	92.86 -1.45 -0.37	99.29 -1.77 0.00	44.41 -0.72 -3.24	64.78 -0.96 -1.52	32.66 -0.29 -2.85	62.21 -0.38 -4.56	44.41 -0.19 -8.18	70.86 -0.60 -1.75	38.07 -0.43 -5.44	38.60 -0.61 -4.52	38.08 -0.77 -1.69	38.31 -0.85 0.00	38.44 -0.88 -0.06	48.11 -1.10 -0.30	85.51 -1.73 0.00	75.03 -1.08 -2.11	38.24 -0.11 -11.58	42.98 -0.16 -11.98	83.45 -0.81 -3.04	87.14 -0.80 -2.11	121.65 -1.68 0.00	96.31 -1.48 -0.53	95.23 -1.52 0.00



HAMLTNNY_34_KV_TB 80303	71.13 -1.07 0.00	92.91 -1.42 -0.39	99.22 -1.84 0.00	44.62 -0.72 -3.45	64.91 -0.93 -1.61	32.87 -0.26 -3.04	62.61 -0.28 -4.85	45.00 -0.13 -8.71	71.08 -0.49 -1.86	38.42 -0.43 -5.79	38.89 -0.62 -4.82	38.16 -0.80 -1.80	38.27 -0.90 0.00	38.39 -0.93 -0.07	48.04 -1.19 -0.32	85.44 -1.80 0.00	75.17 -1.08 -2.25	39.02 -0.08 -12.33	43.81 -0.11 -12.76	83.72 -0.74 -3.23	87.36 -0.72 -2.25	121.66 -1.68 0.00	96.33 -1.50 -0.56	95.29 -1.47 0.00
HAMPSHIRE___PAPER_HYD 323593	72.42 0.22 0.00	94.59 0.55 -0.09	101.06 0.00 0.00	42.51 -0.19 -0.82	64.40 -0.20 -0.38	30.19 -0.62 -0.72	57.86 -1.33 -1.15	37.57 -0.91 -2.06	67.88 -1.76 0.06	33.48 -0.90 -1.32	34.84 -0.99 -1.14	36.45 -1.13 -0.43	38.07 -0.69 0.00	38.58 -0.92 -0.02	48.06 -0.92 -0.08	85.48 -1.76 0.00	73.26 -1.27 -0.53	29.12 -0.51 -2.86	25.86 -0.58 4.73	65.70 -1.42 14.10	79.42 -1.53 4.87	123.13 -0.21 0.00	96.26 -1.13 -0.13	95.73 -1.03 0.00
HARDSCRABBLE_WT_PWR 323673	74.15 1.95 0.00	96.45 2.51 0.00	103.59 2.53 0.00	43.11 1.23 0.00	66.23 2.02 0.00	31.26 1.16 0.00	60.54 2.50 0.00	37.87 1.45 0.00	71.86 2.09 -0.05	33.77 0.70 -0.01	35.13 0.43 0.00	37.34 0.19 0.00	39.17 0.00 0.00	39.41 0.16 0.00	49.04 0.14 0.00	88.14 0.90 0.00	75.46 1.45 0.00	27.66 0.88 -0.01	32.89 0.91 -0.83	85.03 2.21 -1.60	88.59 2.18 -0.58	125.78 2.44 0.00	99.09 1.83 0.00	98.30 1.55 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	80.13 4.46 -3.46	102.92 5.58 -3.40	106.93 5.87 0.00	76.24 2.53 -31.83	87.60 3.85 -19.52	73.18 1.95 -41.13	132.39 4.02 -70.33	138.71 2.69 -99.59	97.47 4.95 -22.81	85.77 2.36 -50.35	79.12 2.53 -41.90	55.55 2.70 -15.69	41.94 2.78 0.00	42.70 2.86 -0.59	55.30 3.59 -2.81	93.42 6.18 0.00	98.90 5.37 -19.53	136.08 2.06 -107.25	144.50 2.40 -110.94	117.16 5.97 -29.97	114.00 6.08 -22.09	131.40 8.07 0.00	108.31 6.15 -4.90	102.46 5.70 0.00
HARSNRAD_115KV_TB1 81005	53.15 -7.86 11.18	71.23 -10.20 12.50	76.65 -11.46 12.94	31.94 -4.98 4.97	56.06 -6.97 1.19	26.23 -3.11 0.76	46.10 -5.42 6.51	23.11 -3.88 9.43	38.64 -7.49 23.57	21.48 -3.91 7.67	26.44 -4.29 3.96	28.69 -4.92 3.55	24.74 -5.34 9.09	22.92 -5.56 10.78	30.91 -6.77 11.22	52.86 -11.99 22.39	26.37 -10.28 37.35	14.33 -3.43 9.02	21.27 -3.85 6.04	33.47 -10.65 37.10	61.52 -9.79 14.51	84.67 -14.69 23.97	73.73 -11.18 12.35	86.33 -10.14 0.29
HARZA MOOSE___RIVER 24016	73.65 1.45 0.00	96.27 2.21 -0.12	102.84 1.79 0.00	43.54 0.63 -1.03	65.82 1.12 -0.48	31.15 0.15 -0.90	59.99 0.50 -1.45	39.38 0.36 -2.59	70.68 0.52 -0.45	34.80 0.02 -1.72	35.93 -0.19 -1.43	37.36 -0.32 -0.54	38.90 -0.26 0.00	39.34 0.06 -0.02	48.90 -0.09 -0.10	87.25 0.01 0.00	75.35 0.68 -0.67	30.81 0.38 -3.66	33.83 0.43 -2.25	80.13 0.92 2.02	86.24 0.83 0.41	125.59 2.26 0.00	98.17 0.74 -0.17	96.94 0.18 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	70.55 -1.65 0.00	92.12 -2.16 -0.33	98.54 -2.52 0.00	43.78 -1.03 -2.93	64.14 -1.45 -1.37	32.14 -0.53 -2.58	61.31 -0.85 -4.12	43.32 -0.49 -7.39	70.16 -1.13 -1.58	37.32 -0.66 -4.91	37.96 -0.82 -4.09	37.68 -1.01 -1.53	38.07 -1.10 0.00	38.18 -1.14 -0.06	47.77 -1.41 -0.27	84.90 -2.34 0.00	74.23 -1.68 -1.90	36.89 -0.34 -10.47	41.55 -0.43 -10.82	82.45 -1.52 -2.75	86.22 -1.51 -1.91	120.68 -2.65 0.00	95.55 -2.18 -0.48	94.50 -2.26 0.00
HELLGATE_13_KV_LD 55870	81.03 5.14 -3.69	103.91 6.35 -3.62	107.77 6.71 0.00	78.65 2.90 -33.87	89.41 4.42 -20.78	76.08 2.21 -43.78	137.33 4.40 -74.88	145.46 3.02 -106.02	99.78 5.79 -24.28	89.48 2.85 -53.57	82.50 3.23 -44.58	57.41 3.55 -16.70	42.77 3.61 0.00	43.58 3.70 -0.63	56.44 4.55 -2.99	94.69 7.45 0.00	100.89 6.10 -20.77	143.20 2.31 -114.11	151.85 2.64 -118.05	119.70 6.58 -31.89	116.02 6.69 -23.51	132.27 8.94 0.00	109.35 6.88 -5.21	103.35 6.60 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	81.03 5.14 -3.69	103.91 6.35 -3.62	107.77 6.71 0.00	78.65 2.90 -33.87	89.41 4.42 -20.78	76.08 2.21 -43.78	137.33 4.40 -74.88	145.46 3.02 -106.02	99.78 5.79 -24.28	89.48 2.85 -53.57	82.50 3.23 -44.58	57.41 3.55 -16.70	42.77 3.61 0.00	43.58 3.70 -0.63	56.44 4.55 -2.99	94.69 7.45 0.00	100.89 6.10 -20.77	143.20 2.31 -114.11	151.85 2.64 -118.05	119.70 6.58 -31.89	116.02 6.69 -23.51	132.27 8.94 0.00	109.35 6.88 -5.21	103.35 6.60 0.00
HEMPSTEAD____ 23647	81.68 5.80 -3.69	104.82 7.25 -3.62	108.68 7.62 0.00	78.99 3.25 -33.86	89.97 4.98 -20.77	76.28 2.42 -43.76	137.70 4.81 -74.85	145.47 3.07 -105.98	99.76 5.78 -24.27	89.51 2.90 -53.55	82.54 3.28 -44.56	57.32 3.48 -16.69	42.79 3.63 0.00	43.62 3.74 -0.63	69.30 4.76 -15.65	126.93 8.04 -31.64	143.38 6.75 -62.62	155.92 2.57 -126.58	152.05 2.89 -118.00	120.36 7.25 -31.88	116.79 7.47 -23.50	133.49 10.16 0.00	110.11 7.64 -5.21	103.93 7.17 0.00
HEWLETT_69_KV_BK3 55828	82.03 6.14 -3.69	105.28 7.72 -3.62	109.22 8.16 0.00	79.18 3.44 -33.86	90.26 5.27 -20.77	76.43 2.57 -43.76	137.99 5.10 -74.85	145.67 3.27 -105.98	100.09 6.11 -24.27	89.64 3.03 -53.55	82.64 3.39 -44.56	57.47 3.63 -16.69	42.97 3.81 0.00	43.85 3.96 -0.63	69.57 5.03 -15.65	127.42 8.53 -31.64	143.82 7.20 -62.62	156.10 2.75 -126.58	152.24 3.09 -118.00	120.85 7.74 -31.88	117.33 8.00 -23.50	134.29 10.95 0.00	110.72 8.25 -5.21	104.50 7.74 0.00
HICKLING___1 23621	68.41 -2.84 0.94	98.53 -3.60 -8.19	101.37 -4.36 -4.67	41.33 -1.86 -1.31	69.48 -2.51 -7.78	40.39 -0.91 -11.20	83.74 -1.29 -26.98	73.44 -0.76 -37.78	84.92 -1.84 -17.06	48.75 -1.41 -17.09	49.62 -1.51 -16.44	42.70 -2.01 -7.56	41.60 -1.88 -4.31	41.77 -1.94 -4.46	52.01 -2.26 -5.37	86.22 -3.94 -2.92	41.43 -3.45 29.13	61.37 -0.77 -35.37	69.00 -0.89 -38.73	63.56 -2.97 14.70	96.21 -2.82 -13.21	125.05 -4.88 -6.60	97.24 -3.85 -3.84	93.12 -3.80 -0.16
HICKLING___2 23622	68.41 -2.84 0.94	98.53 -3.60 -8.19	101.37 -4.36 -4.67	41.33 -1.86 -1.31	69.48 -2.51 -7.78	40.39 -0.91 -11.20	83.74 -1.29 -26.98	73.44 -0.76 -37.78	84.92 -1.84 -17.06	48.75 -1.41 -17.09	49.62 -1.51 -16.44	42.70 -2.01 -7.56	41.60 -1.88 -4.31	41.77 -1.94 -4.46	52.01 -2.26 -5.37	86.22 -3.94 -2.92	41.43 -3.45 29.13	61.37 -0.77 -35.37	69.00 -0.89 -38.73	63.56 -2.97 14.70	96.21 -2.82 -13.21	125.05 -4.88 -6.60	97.24 -3.85 -3.84	93.12 -3.80 -0.16
HIGH FALLS___HY 23754	81.57 5.19 -4.18	104.09 6.53 -3.62	107.99 6.93 0.00	78.93 2.95 -34.10	90.34 4.58 -21.54	78.26 2.32 -45.84	142.80 4.88 -79.88	148.95 3.29 -109.23	100.78 5.97 -25.10	89.31 2.69 -53.55	82.04 2.78 -44.57	56.70 2.85 -16.69	42.22 3.05 0.00	42.85 2.97 -0.63	55.67 3.78 -2.99	94.01 6.77 0.00	101.00 6.22 -20.77	143.32 2.46 -114.09	152.07 2.89 -118.02	120.52 7.18 -32.12	116.99 7.35 -23.82	133.04 9.71 0.00	109.65 7.19 -5.21	103.39 6.63 0.00
HIGH_RIVER___SOLAR 323847	92.27 3.43 -16.65	103.13 4.46 -4.73	105.78 4.73 0.00	94.27 1.99 -50.40	113.27 3.14 -45.91	139.57 1.52 -107.95	287.19 3.15 -226.00	273.61 1.99 -235.19	127.29 3.08 -54.51	104.03 0.97 -70.00	93.67 0.72 -58.25	59.60 0.63 -21.81	39.78 0.61 0.00	40.71 0.64 -0.82	53.79 0.98 -3.91	89.81 2.57 0.00	104.39 3.24 -27.15	177.32 1.44 -149.11	187.08 1.67 -154.25	133.42 4.19 -48.00	129.62 4.38 -39.42	129.27 5.94 0.00	108.53 4.46 -6.81	100.99 4.23 0.00



HILLBURN___GT 23639	79.96 4.25 -3.51	102.66 5.26 -3.45	106.64 5.58 0.00	76.56 2.41 -32.27	87.68 3.67 -19.79	73.65 1.86 -41.69	133.15 3.82 -71.29	139.96 2.59 -100.95	97.60 4.77 -23.13	86.41 2.32 -51.03	79.67 2.50 -42.47	55.73 2.67 -15.91	41.92 2.76 0.00	42.71 2.86 -0.60	55.31 3.56 -2.85	93.21 5.97 0.00	98.89 5.09 -19.79	137.46 1.97 -108.71	145.92 2.31 -112.46	117.30 5.69 -30.38	114.00 5.78 -22.40	131.02 7.69 0.00	108.09 5.87 -4.97	102.17 5.42 0.00
HILLSIDE_115KV_TB1 80332	67.95 -3.20 1.05	97.31 -4.02 -7.38	100.22 -4.85 -4.02	41.70 -2.07 -1.89	69.03 -2.87 -7.69	40.44 -1.10 -11.45	83.16 -1.75 -26.87	72.92 -1.05 -37.55	83.45 -2.29 -16.03	48.48 -1.60 -17.01	49.33 -1.59 -16.23	42.43 -2.04 -7.32	41.12 -1.86 -3.81	41.33 -1.89 -3.97	51.53 -2.23 -4.86	85.49 -4.07 -2.32	42.89 -3.90 27.21	61.27 -0.96 -35.45	68.72 -1.14 -38.70	64.09 -3.61 13.52	94.95 -3.45 -12.58	123.49 -5.55 -5.71	96.37 -4.35 -3.47	92.62 -4.28 -0.14
HISHELDN_WT_PWR 323625	30.06 -7.10 35.04	40.49 -9.32 44.13	47.54 -10.48 43.04	15.88 -4.50 21.50	46.75 -6.34 11.13	12.17 -2.77 15.16	21.22 -4.86 31.97	-12.56 -3.19 45.79	1.20 -6.49 62.02	0.01 -3.50 29.55	6.10 -3.97 24.61	14.80 -4.56 17.79	8.09 -4.82 26.26	7.97 -5.00 26.28	14.93 -6.10 27.87	25.06 -10.79 51.39	-6.99 -8.82 72.17	-17.14 -2.80 41.11	-9.46 -3.16 37.45	-3.63 -8.84 76.02	36.95 -8.50 40.37	54.04 -12.81 56.48	56.76 -9.92 30.58	86.08 -9.69 0.99
HOLTSVILLE_IC_1 23690	82.04 6.15 -3.69	105.35 7.79 -3.62	109.22 8.17 0.00	79.24 3.50 -33.86	90.32 5.33 -20.77	76.40 2.54 -43.76	137.96 5.06 -74.85	145.53 3.13 -105.98	99.81 5.83 -24.27	89.60 2.98 -53.55	82.61 3.36 -44.56	57.31 3.47 -16.69	42.81 3.65 0.00	43.70 3.82 -0.63	69.50 4.95 -15.65	127.22 8.33 -31.64	143.74 7.11 -62.62	156.00 2.65 -126.58	152.04 2.89 -118.00	120.52 7.41 -31.88	116.95 7.63 -23.50	133.97 10.64 0.00	110.69 8.22 -5.21	104.54 7.78 0.00
HOLTSVILLE_IC_10 23699	82.47 6.58 -3.69	105.89 8.33 -3.62	109.78 8.72 0.00	79.48 3.74 -33.86	90.68 5.68 -20.77	76.57 2.72 -43.76	138.33 5.44 -74.85	145.76 3.36 -105.98	100.21 6.23 -24.27	89.79 3.18 -53.55	82.79 3.53 -44.56	57.48 3.63 -16.69	42.99 3.83 0.00	43.89 4.02 -0.63	69.76 5.22 -15.65	127.73 8.85 -31.64	144.23 7.60 -62.62	156.21 2.86 -126.58	152.28 3.12 -118.00	121.10 7.99 -31.88	117.53 8.21 -23.50	134.80 11.47 0.00	111.25 8.78 -5.21	105.07 8.31 0.00
HOLTSVILLE_IC_2 23691	82.04 6.15 -3.69	105.35 7.79 -3.62	109.22 8.17 0.00	79.24 3.50 -33.86	90.32 5.33 -20.77	76.40 2.54 -43.76	137.96 5.06 -74.85	145.53 3.13 -105.98	99.81 5.83 -24.27	89.60 2.98 -53.55	82.61 3.36 -44.56	57.31 3.47 -16.69	42.81 3.65 0.00	43.70 3.82 -0.63	69.50 4.95 -15.65	127.22 8.33 -31.64	143.74 7.11 -62.62	156.00 2.65 -126.58	152.04 2.89 -118.00	120.52 7.41 -31.88	116.95 7.63 -23.50	133.97 10.64 0.00	110.69 8.22 -5.21	104.54 7.78 0.00
HOLTSVILLE_IC_3 23692	82.04 6.15 -3.69	105.35 7.79 -3.62	109.22 8.17 0.00	79.24 3.50 -33.86	90.32 5.33 -20.77	76.40 2.54 -43.76	137.96 5.06 -74.85	145.53 3.13 -105.98	99.81 5.83 -24.27	89.60 2.98 -53.55	82.61 3.36 -44.56	57.31 3.47 -16.69	42.81 3.65 0.00	43.70 3.82 -0.63	69.50 4.95 -15.65	127.22 8.33 -31.64	143.74 7.11 -62.62	156.00 2.65 -126.58	152.04 2.89 -118.00	120.52 7.41 -31.88	116.95 7.63 -23.50	133.97 10.64 0.00	110.69 8.22 -5.21	104.54 7.78 0.00
HOLTSVILLE_IC_4 23693	82.04 6.15 -3.69	105.35 7.79 -3.62	109.22 8.17 0.00	79.24 3.50 -33.86	90.32 5.33 -20.77	76.40 2.54 -43.76	137.96 5.06 -74.85	145.53 3.13 -105.98	99.81 5.83 -24.27	89.60 2.98 -53.55	82.61 3.36 -44.56	57.31 3.47 -16.69	42.81 3.65 0.00	43.70 3.82 -0.63	69.50 4.95 -15.65	127.22 8.33 -31.64	143.74 7.11 -62.62	156.00 2.65 -126.58	152.04 2.89 -118.00	120.52 7.41 -31.88	116.95 7.63 -23.50	133.97 10.64 0.00	110.69 8.22 -5.21	104.54 7.78 0.00
HOLTSVILLE_IC_5 23694	82.04 6.15 -3.69	105.35 7.79 -3.62	109.22 8.17 0.00	79.24 3.50 -33.86	90.32 5.33 -20.77	76.40 2.54 -43.76	137.96 5.06 -74.85	145.53 3.13 -105.98	99.81 5.83 -24.27	89.60 2.98 -53.55	82.61 3.36 -44.56	57.31 3.47 -16.69	42.81 3.65 0.00	43.70 3.82 -0.63	69.50 4.95 -15.65	127.22 8.33 -31.64	143.74 7.11 -62.62	156.00 2.65 -126.58	152.04 2.89 -118.00	120.52 7.41 -31.88	116.95 7.63 -23.50	133.97 10.64 0.00	110.69 8.22 -5.21	104.54 7.78 0.00
HOLTSVILLE_IC_6 23695	82.47 6.58 -3.69	105.89 8.33 -3.62	109.78 8.72 0.00	79.48 3.74 -33.86	90.68 5.68 -20.77	76.57 2.72 -43.76	138.33 5.44 -74.85	145.76 3.36 -105.98	100.21 6.23 -24.27	89.79 3.18 -53.55	82.79 3.53 -44.56	57.48 3.63 -16.69	42.99 3.83 0.00	43.89 4.02 -0.63	69.76 5.22 -15.65	127.73 8.85 -31.64	144.23 7.60 -62.62	156.21 2.86 -126.58	152.28 3.12 -118.00	121.10 7.99 -31.88	117.53 8.21 -23.50	134.80 11.47 0.00	111.25 8.78 -5.21	105.07 8.31 0.00
HOLTSVILLE_IC_7 23696	82.47 6.58 -3.69	105.89 8.33 -3.62	109.78 8.72 0.00	79.48 3.74 -33.86	90.68 5.68 -20.77	76.57 2.72 -43.76	138.33 5.44 -74.85	145.76 3.36 -105.98	100.21 6.23 -24.27	89.79 3.18 -53.55	82.79 3.53 -44.56	57.48 3.63 -16.69	42.99 3.83 0.00	43.89 4.02 -0.63	69.76 5.22 -15.65	127.73 8.85 -31.64	144.23 7.60 -62.62	156.21 2.86 -126.58	152.28 3.12 -118.00	121.10 7.99 -31.88	117.53 8.21 -23.50	134.80 11.47 0.00	111.25 8.78 -5.21	105.07 8.31 0.00
HOLTSVILLE_IC_8 23697	82.47 6.58 -3.69	105.89 8.33 -3.62	109.78 8.72 0.00	79.48 3.74 -33.86	90.68 5.68 -20.77	76.57 2.72 -43.76	138.33 5.44 -74.85	145.76 3.36 -105.98	100.21 6.23 -24.27	89.79 3.18 -53.55	82.79 3.53 -44.56	57.48 3.63 -16.69	42.99 3.83 0.00	43.89 4.02 -0.63	69.76 5.22 -15.65	127.73 8.85 -31.64	144.23 7.60 -62.62	156.21 2.86 -126.58	152.28 3.12 -118.00	121.10 7.99 -31.88	117.53 8.21 -23.50	134.80 11.47 0.00	111.25 8.78 -5.21	105.07 8.31 0.00
HOLTSVILLE_IC_9 23698	82.47 6.58 -3.69	105.89 8.33 -3.62	109.78 8.72 0.00	79.48 3.74 -33.86	90.68 5.68 -20.77	76.57 2.72 -43.76	138.33 5.44 -74.85	145.76 3.36 -105.98	100.21 6.23 -24.27	89.79 3.18 -53.55	82.79 3.53 -44.56	57.48 3.63 -16.69	42.99 3.83 0.00	43.89 4.02 -0.63	69.76 5.22 -15.65	127.73 8.85 -31.64	144.23 7.60 -62.62	156.21 2.86 -126.58	152.28 3.12 -118.00	121.10 7.99 -31.88	117.53 8.21 -23.50	134.80 11.47 0.00	111.25 8.78 -5.21	105.07 8.31 0.00
HOMER_HL_115KV_TB2 355744	62.44 -4.17 5.59	85.48 -5.28 3.18	90.21 -6.17 4.68	38.11 -2.87 0.90	63.14 -3.76 -2.68	33.15 -1.70 -4.76	64.79 -2.87 -9.62	48.39 -2.23 -14.20	64.44 -4.19 1.07	36.09 -2.52 -5.55	37.65 -2.59 -5.55	35.51 -2.99 -1.35	34.21 -2.72 2.24	34.39 -2.71 2.16	43.73 -3.28 1.89	74.25 -6.28 6.71	45.88 -5.97 22.16	39.41 -2.09 -14.72	45.76 -2.31 -16.91	58.97 -6.15 16.10	80.60 -5.81 -0.59	109.04 -8.34 5.95	88.34 -6.10 2.82	90.91 -5.76 0.08
HOWARD_WT_PWR 323690	96.84 -5.29 -29.93	138.07 -6.77 -50.90	138.24 -7.75 -44.94	60.21 -3.15 -21.47	80.89 -4.44 -21.11	58.10 -1.76 -29.76	121.39 -2.98 -66.33	129.41 -1.86 -94.85	145.08 -4.14 -79.51	81.80 -2.30 -51.04	77.47 -2.88 -45.65	60.15 -3.73 -26.72	64.72 -3.90 -29.45	64.96 -4.00 -29.71	76.49 -4.84 -32.43	128.63 -8.45 -49.84	91.21 -6.36 -23.56	113.02 -1.73 -87.98	118.70 -1.95 -89.50	123.14 -5.61 -47.52	134.98 -5.70 -54.87	173.55 -9.41 -59.62	122.45 -7.53 -32.73	90.37 -7.50 -1.11



HQ_GEN_CEDARS 23644	71.89 -0.31 0.00	93.52 -0.42 0.00	100.69 -0.36 0.00	41.62 -0.26 0.00	63.72 -0.50 0.00	29.62 -0.48 0.00	56.88 -1.16 0.00	35.63 -0.79 0.00	67.47 -1.34 0.90	32.40 -0.58 0.08	34.27 -0.43 0.00	36.80 -0.35 0.00	38.91 -0.25 0.00	39.05 -0.21 0.00	48.68 -0.22 0.00	86.83 -0.41 0.00	73.35 -0.66 0.00	26.11 -0.56 0.10	16.68 -0.63 13.85	53.42 -1.19 26.61	74.92 -1.23 9.67	122.61 -0.72 0.00	96.52 -0.74 0.00	96.71 -0.05 0.00
HQ_GEN_CEDARS_PROXY 323590	71.89 -0.31 0.00	93.52 -0.41 0.00	100.69 -0.36 0.00	41.62 -0.26 0.00	63.72 -0.50 0.00	29.62 -0.48 0.00	56.88 -1.16 0.00	35.63 -0.79 0.00	67.47 -1.34 0.90	32.41 -0.58 0.08	34.28 -0.41 0.00	36.80 -0.35 0.00	38.91 -0.25 0.00	39.05 -0.20 0.00	48.68 -0.22 0.00	86.83 -0.40 0.00	73.34 -0.66 0.00	26.04 -0.56 0.17	16.68 -0.63 13.85	53.44 -1.17 26.61	74.92 -1.22 9.67	122.60 -0.73 0.00	96.52 -0.74 0.00	96.73 -0.03 0.00
HQ_GEN_IMPORT 323601	71.46 -0.74 0.00	93.00 -0.94 0.00	100.24 -0.82 0.00	41.46 -0.43 0.00	63.46 -0.75 0.00	29.61 -0.49 0.00	56.93 -1.11 0.00	35.70 -0.72 0.00	68.23 -1.19 0.29	32.54 -0.49 0.03	34.31 -0.38 0.00	36.84 -0.31 0.00	38.97 -0.19 0.00	39.03 -0.22 0.00	48.61 -0.29 0.00	86.72 -0.52 0.00	74.22 -0.75 -0.96	22.04 -0.54 4.19	26.10 -0.60 4.46	71.53 -1.12 8.57	81.48 -1.22 3.12	122.19 -1.14 0.00	96.41 -0.84 0.00	96.20 -0.56 0.00
HQ_GEN_WHEEL 23651	71.46 -0.74 0.00	93.00 -0.94 0.00	100.24 -0.82 0.00	41.46 -0.43 0.00	63.46 -0.75 0.00	29.61 -0.49 0.00	56.93 -1.11 0.00	35.70 -0.72 0.00	68.23 -1.19 0.29	32.54 -0.49 0.03	34.31 -0.38 0.00	36.84 -0.31 0.00	38.97 -0.19 0.00	39.03 -0.22 0.00	48.61 -0.29 0.00	86.72 -0.52 0.00	74.22 -0.75 -0.96	22.04 -0.54 4.19	26.10 -0.60 4.46	71.53 -1.12 8.57	81.48 -1.22 3.12	122.19 -1.14 0.00	96.41 -0.84 0.00	96.20 -0.56 0.00
HUDSON AVE_GT_3 23810	81.06 5.17 -3.69	103.88 6.32 -3.62	107.78 6.72 0.00	78.63 2.88 -33.87	89.43 4.44 -20.78	76.09 2.23 -43.77	137.36 4.44 -74.88	145.44 3.02 -106.01	99.74 5.76 -24.28	89.51 2.88 -53.56	82.46 3.20 -44.57	57.37 3.52 -16.69	42.79 3.62 0.00	43.58 3.70 -0.63	56.50 4.61 -2.99	94.82 7.59 0.00	100.94 6.16 -20.77	143.22 2.34 -114.10	151.87 2.68 -118.04	119.75 6.63 -31.89	116.12 6.79 -23.51	132.42 9.09 0.00	109.44 6.97 -5.21	103.31 6.56 0.00
HUDSON AVE_GT_4 23540	81.06 5.17 -3.69	103.88 6.32 -3.62	107.78 6.72 0.00	78.63 2.88 -33.87	89.43 4.44 -20.78	76.09 2.23 -43.77	137.36 4.44 -74.88	145.44 3.02 -106.01	99.74 5.76 -24.28	89.51 2.88 -53.56	82.46 3.20 -44.57	57.37 3.52 -16.69	42.79 3.62 0.00	43.58 3.70 -0.63	56.50 4.61 -2.99	94.82 7.59 0.00	100.94 6.16 -20.77	143.22 2.34 -114.10	151.87 2.68 -118.04	119.75 6.63 -31.89	116.12 6.79 -23.51	132.42 9.09 0.00	109.44 6.97 -5.21	103.31 6.56 0.00
HUDSON AVE_GT_5 23657	81.06 5.17 -3.69	103.88 6.32 -3.62	107.78 6.72 0.00	78.63 2.88 -33.87	89.43 4.44 -20.78	76.09 2.23 -43.77	137.36 4.44 -74.88	145.44 3.02 -106.01	99.74 5.76 -24.28	89.51 2.88 -53.56	82.46 3.20 -44.57	57.37 3.52 -16.69	42.79 3.62 0.00	43.58 3.70 -0.63	56.50 4.61 -2.99	94.82 7.59 0.00	100.94 6.16 -20.77	143.22 2.34 -114.10	151.87 2.68 -118.04	119.75 6.63 -31.89	116.12 6.79 -23.51	132.42 9.09 0.00	109.44 6.97 -5.21	103.31 6.56 0.00
HUDSON_AVE_10 24168	80.89 5.00 -3.69	103.65 6.09 -3.62	107.50 6.45 0.00	78.54 2.79 -33.87	89.29 4.29 -20.78	76.03 2.16 -43.77	137.20 4.29 -74.88	145.37 2.94 -106.01	99.59 5.61 -24.28	89.44 2.81 -53.56	82.37 3.10 -44.57	57.30 3.45 -16.69	42.72 3.55 0.00	43.50 3.62 -0.63	56.40 4.51 -2.99	94.65 7.41 0.00	100.77 5.99 -20.77	143.16 2.28 -114.10	151.81 2.62 -118.04	119.60 6.48 -31.89	115.95 6.62 -23.51	132.19 8.86 0.00	109.25 6.78 -5.21	103.10 6.34 0.00
HUDSON___115KV_TB 4 355613	85.17 4.72 -8.26	104.38 6.12 -4.32	107.51 6.45 0.00	87.02 2.73 -42.41	99.36 4.24 -30.90	100.81 1.95 -68.77	191.10 3.68 -129.38	191.32 2.20 -152.70	109.50 4.21 -35.59	98.67 1.69 -63.92	89.35 1.47 -53.19	58.61 1.53 -19.92	40.66 1.50 0.00	41.48 1.48 -0.75	54.27 1.81 -3.57	90.75 3.51 0.00	102.43 3.64 -24.79	164.33 1.40 -136.15	173.65 1.64 -140.84	125.36 4.25 -39.89	120.94 4.54 -30.58	129.63 6.30 0.00	108.88 5.41 -6.22	102.47 5.72 0.00
HUNTER MOUNT___DRP 323613	84.65 5.05 -7.40	104.79 6.63 -4.22	108.03 6.98 0.00	85.85 2.90 -41.07	97.89 4.54 -29.13	96.52 2.11 -64.32	181.61 4.06 -119.51	183.60 2.46 -144.72	108.01 4.68 -33.63	97.33 1.85 -62.42	88.21 1.57 -51.94	58.25 1.64 -19.45	40.78 1.62 0.00	41.58 1.59 -0.73	54.36 1.98 -3.48	91.26 4.02 0.00	102.41 4.19 -24.21	161.33 1.59 -132.97	170.57 1.87 -137.55	124.72 4.85 -38.64	120.46 5.21 -29.43	130.69 7.35 0.00	109.39 6.06 -6.07	103.00 6.24 0.00
HUNTINGTON_RES_REC 323705	82.16 6.27 -3.69	105.43 7.87 -3.62	109.31 8.25 0.00	79.32 3.58 -33.86	90.44 5.45 -20.77	76.48 2.62 -43.76	138.13 5.24 -74.85	145.69 3.29 -105.98	100.05 6.07 -24.27	89.70 3.08 -53.55	82.74 3.49 -44.56	57.47 3.62 -16.69	42.93 3.76 0.00	43.81 3.93 -0.63	69.64 5.09 -15.65	127.53 8.65 -31.64	144.02 7.39 -62.62	156.11 2.76 -126.58	152.18 3.02 -118.00	120.82 7.71 -31.88	117.25 7.93 -23.50	134.39 11.06 0.00	110.90 8.43 -5.21	104.69 7.94 0.00
HUNTLEY___63 23557	53.35 -6.81 12.03	71.64 -8.82 13.48	77.13 -10.00 13.93	32.00 -4.38 5.51	56.76 -6.05 1.40	26.38 -2.66 1.06	50.97 -4.48 2.59	29.75 -3.23 3.44	47.04 -6.26 16.41	25.60 -3.35 4.12	27.78 -3.71 3.19	28.92 -4.31 3.92	26.38 -4.67 8.12	26.47 -4.85 7.94	34.81 -5.91 8.19	60.19 -10.45 16.61	36.76 -8.94 28.30	22.31 -2.92 1.55	28.33 -3.26 -0.44	45.68 -9.19 26.36	67.56 -8.34 9.93	93.04 -12.64 17.66	78.33 -9.64 9.28	87.70 -8.75 0.31
HUNTLEY___64 23558	53.35 -6.81 12.03	71.64 -8.82 13.48	77.13 -10.00 13.93	32.00 -4.38 5.51	56.76 -6.05 1.40	26.38 -2.66 1.06	50.97 -4.48 2.59	29.75 -3.23 3.44	47.04 -6.26 16.41	25.60 -3.35 4.12	27.78 -3.71 3.19	28.92 -4.31 3.92	26.38 -4.67 8.12	26.47 -4.85 7.94	34.81 -5.91 8.19	60.19 -10.45 16.61	36.76 -8.94 28.30	22.31 -2.92 1.55	28.33 -3.26 -0.44	45.68 -9.19 26.36	67.56 -8.34 9.93	93.04 -12.64 17.66	78.33 -9.64 9.28	87.70 -8.75 0.31
HUNTLEY___65 23559	53.35 -6.81 12.03	71.64 -8.82 13.48	77.13 -10.00 13.93	32.00 -4.38 5.51	56.76 -6.05 1.40	26.38 -2.66 1.06	50.97 -4.48 2.59	29.75 -3.23 3.44	47.04 -6.26 16.41	25.60 -3.35 4.12	27.78 -3.71 3.19	28.92 -4.31 3.92	26.38 -4.67 8.12	26.47 -4.85 7.94	34.81 -5.91 8.19	60.19 -10.45 16.61	36.76 -8.94 28.30	22.31 -2.92 1.55	28.33 -3.26 -0.44	45.68 -9.19 26.36	67.56 -8.34 9.93	93.04 -12.64 17.66	78.33 -9.64 9.28	87.70 -8.75 0.31
HUNTLEY___66 23560	53.35 -6.81 12.03	71.64 -8.82 13.48	77.13 -10.00 13.93	32.00 -4.38 5.51	56.76 -6.05 1.40	26.38 -2.66 1.06	50.97 -4.48 2.59	29.75 -3.23 3.44	47.04 -6.26 16.41	25.60 -3.35 4.12	27.78 -3.71 3.19	28.92 -4.31 3.92	26.38 -4.67 8.12	26.47 -4.85 7.94	34.81 -5.91 8.19	60.19 -10.45 16.61	36.76 -8.94 28.30	22.31 -2.92 1.55	28.33 -3.26 -0.44	45.68 -9.19 26.36	67.56 -8.34 9.93	93.04 -12.64 17.66	78.33 -9.64 9.28	87.70 -8.75 0.31



HUNTLEY___67 23561	51.15 -7.24 13.82	68.73 -9.39 15.82	74.33 -10.56 16.17	30.54 -4.61 6.73	55.69 -6.42 2.12	25.14 -2.87 2.09	47.96 -4.93 5.15	25.79 -3.49 7.14	42.34 -6.76 20.61	23.11 -3.57 6.38	25.86 -3.94 4.89	27.64 -4.55 4.96	24.61 -4.91 9.64	24.53 -5.08 9.64	32.70 -6.19 10.01	56.36 -10.98 19.91	31.81 -9.41 32.78	18.50 -3.12 5.16	24.72 -3.50 2.94	40.10 -9.77 31.36	64.10 -9.02 12.70	88.49 -13.54 21.30	75.71 -10.31 11.24	87.00 -9.40 0.36
HUNTLEY___68 23562	51.15 -7.24 13.82	68.73 -9.39 15.82	74.33 -10.56 16.17	30.54 -4.61 6.73	55.69 -6.42 2.12	25.14 -2.87 2.09	47.96 -4.93 5.15	25.79 -3.49 7.14	42.34 -6.76 20.61	23.11 -3.57 6.38	25.86 -3.94 4.89	27.64 -4.55 4.96	24.61 -4.91 9.64	24.53 -5.08 9.64	32.70 -6.19 10.01	56.36 -10.98 19.91	31.81 -9.41 32.78	18.50 -3.12 5.16	24.72 -3.50 2.94	40.10 -9.77 31.36	64.10 -9.02 12.70	88.49 -13.54 21.30	75.71 -10.31 11.24	87.00 -9.40 0.36
HYLAND___LFG 323620	108.87 -0.59 -37.26	149.73 -0.85 -56.65	151.08 -1.39 -51.42	69.31 -0.63 -28.05	85.81 -0.68 -22.27	62.58 -0.01 -32.49	127.25 0.95 -68.26	135.87 0.62 -98.83	157.31 0.31 -87.30	86.97 -1.27 -55.18	80.93 -2.07 -48.30	63.45 -2.54 -28.84	69.33 -2.73 -32.89	69.48 -2.92 -33.14	81.43 -3.52 -36.05	139.92 -5.87 -58.55	120.12 -3.44 -49.56	119.80 -0.01 -93.03	124.39 0.24 -92.99	151.22 -0.03 -70.03	146.02 0.35 -59.84	190.32 -0.98 -67.97	133.80 -1.06 -37.60	96.95 -1.05 -1.24
INDECK___CORINTH 23802	94.92 6.65 -16.07	107.11 8.59 -4.58	110.19 9.14 0.00	94.49 3.86 -48.74	114.69 6.10 -44.37	137.39 2.99 -104.30	282.11 6.17 -217.90	267.87 3.81 -227.64	129.36 6.84 -52.81	103.75 2.96 -67.73	93.89 2.83 -56.36	61.02 2.75 -21.11	41.87 2.71 0.00	42.79 2.75 -0.79	56.41 3.73 -3.78	94.57 7.33 0.00	107.01 6.74 -26.27	173.71 2.66 -144.29	183.51 3.10 -149.25	135.54 7.84 -46.47	132.21 8.21 -38.18	134.67 11.34 0.00	112.38 8.54 -6.59	105.07 8.31 0.00
INDECK___ILION 23567	73.81 1.61 0.00	96.00 2.06 0.00	103.17 2.11 0.00	42.84 0.96 0.00	65.76 1.54 0.00	30.92 0.82 0.00	59.79 1.75 0.00	37.48 1.06 0.00	71.43 1.67 -0.05	33.69 0.62 -0.01	35.20 0.51 0.00	37.58 0.42 0.00	39.51 0.34 0.00	39.65 0.40 0.00	49.41 0.51 0.00	88.52 1.28 0.00	75.48 1.47 0.00	27.50 0.72 -0.01	32.78 0.79 -0.83	84.75 1.93 -1.60	88.40 2.00 -0.58	125.80 2.46 0.00	99.20 1.95 0.00	98.50 1.74 0.00
INDECK___OLEAN 23982	62.46 -4.15 5.59	85.55 -5.21 3.18	90.25 -6.12 4.68	38.14 -2.85 0.90	63.16 -3.75 -2.68	33.16 -1.70 -4.76	64.80 -2.86 -9.62	48.40 -2.22 -14.20	64.44 -4.19 1.07	36.10 -2.52 -5.55	37.51 -2.73 -5.55	35.52 -2.98 -1.35	34.26 -2.67 2.24	34.39 -2.71 2.16	43.71 -3.30 1.89	74.23 -6.30 6.71	45.84 -6.01 22.16	39.34 -2.16 -14.72	45.69 -2.38 -16.91	58.92 -6.20 16.10	80.64 -5.77 -0.59	109.11 -8.27 5.95	88.35 -6.08 2.82	90.78 -5.89 0.08
INDECK___OSWEGO 23783	69.85 -2.35 0.00	91.19 -3.03 -0.28	97.56 -3.49 0.00	42.90 -1.44 -2.45	63.24 -2.13 -1.15	31.38 -0.87 -2.16	59.90 -1.59 -3.45	41.64 -0.96 -6.19	69.01 -1.99 -1.30	36.16 -1.01 -4.11	36.89 -1.22 -3.42	37.03 -1.41 -1.28	37.64 -1.52 0.00	37.80 -1.51 -0.05	47.21 -1.92 -0.23	84.01 -3.23 0.00	73.15 -2.44 -1.59	34.89 -0.64 -8.76	39.07 -0.78 -8.69	80.40 -2.41 -1.59	84.65 -2.51 -1.34	119.42 -3.91 0.00	94.33 -3.33 -0.40	93.41 -3.35 0.00
INDECK___YERKES 23781	53.46 -6.70 12.03	71.76 -8.70 13.48	77.26 -9.87 13.93	32.05 -4.33 5.51	56.78 -6.04 1.40	26.43 -2.61 1.06	51.04 -4.41 2.59	29.78 -3.20 3.44	47.12 -6.18 16.41	25.60 -3.34 4.12	27.69 -3.81 3.19	29.00 -4.24 3.92	26.48 -4.57 8.12	26.50 -4.81 7.94	34.83 -5.88 8.19	60.25 -10.39 16.61	36.77 -8.94 28.30	22.26 -2.97 1.55	28.31 -3.28 -0.44	45.78 -9.08 26.36	67.70 -8.19 9.93	93.23 -12.44 17.66	78.46 -9.51 9.28	87.69 -8.75 0.31
INDIAN POINT_GT_1 24139	80.33 4.48 -3.65	103.08 5.56 -3.59	106.91 5.85 0.00	77.92 2.52 -33.52	88.64 3.85 -20.56	75.36 1.93 -43.32	136.08 3.94 -74.11	143.98 2.64 -104.92	98.67 4.93 -24.03	88.48 2.40 -53.01	81.43 2.63 -44.12	56.50 2.82 -16.52	42.06 2.90 0.00	42.86 2.99 -0.62	55.60 3.74 -2.96	93.46 6.23 0.00	99.82 5.25 -20.56	141.73 2.03 -112.94	150.34 2.35 -116.82	118.61 5.82 -31.57	115.04 5.94 -23.27	131.27 7.93 0.00	108.49 6.08 -5.16	102.45 5.69 0.00
INDIAN POINT_GT_2 23659	80.33 4.48 -3.65	103.08 5.56 -3.59	106.91 5.85 0.00	77.92 2.52 -33.52	88.64 3.85 -20.56	75.36 1.93 -43.32	136.08 3.94 -74.11	143.98 2.64 -104.92	98.67 4.93 -24.03	88.48 2.40 -53.01	81.43 2.63 -44.12	56.50 2.82 -16.52	42.06 2.90 0.00	42.86 2.99 -0.62	55.60 3.74 -2.96	93.46 6.23 0.00	99.82 5.25 -20.56	141.73 2.03 -112.94	150.34 2.35 -116.82	118.61 5.82 -31.57	115.04 5.94 -23.27	131.27 7.93 0.00	108.49 6.08 -5.16	102.45 5.69 0.00
INDIAN POINT_GT_3 24019	80.33 4.48 -3.65	103.08 5.56 -3.59	106.91 5.85 0.00	77.92 2.52 -33.52	88.64 3.85 -20.56	75.36 1.93 -43.32	136.08 3.94 -74.11	143.98 2.64 -104.92	98.67 4.93 -24.03	88.48 2.40 -53.01	81.43 2.63 -44.12	56.50 2.82 -16.52	42.06 2.90 0.00	42.86 2.99 -0.62	55.60 3.74 -2.96	93.46 6.23 0.00	99.82 5.25 -20.56	141.73 2.03 -112.94	150.34 2.35 -116.82	118.61 5.82 -31.57	115.04 5.94 -23.27	131.27 7.93 0.00	108.49 6.08 -5.16	102.45 5.69 0.00
INDIAN POINT___2 23530	80.10 4.30 -3.60	102.80 5.32 -3.54	106.68 5.62 0.00	77.38 2.43 -33.07	88.23 3.72 -20.28	74.69 1.86 -42.73	134.93 3.81 -73.08	142.46 2.56 -103.48	98.17 4.76 -23.70	87.69 2.33 -52.30	80.75 2.53 -43.52	56.18 2.72 -16.30	41.96 2.80 0.00	42.75 2.88 -0.61	55.42 3.60 -2.92	93.25 6.01 0.00	99.37 5.08 -20.28	140.15 1.97 -111.41	148.69 2.29 -115.25	118.01 5.65 -31.14	114.50 5.72 -22.95	130.97 7.64 0.00	108.18 5.84 -5.09	102.21 5.46 0.00
INDIAN POINT___3 23531	80.19 4.34 -3.65	102.94 5.41 -3.59	106.77 5.72 0.00	77.88 2.46 -33.54	88.57 3.78 -20.58	75.34 1.89 -43.35	136.04 3.84 -74.16	143.99 2.58 -104.99	98.57 4.81 -24.05	88.46 2.35 -53.05	81.40 2.56 -44.15	56.44 2.75 -16.53	41.99 2.83 0.00	42.79 2.91 -0.62	55.50 3.64 -2.96	93.31 6.07 0.00	99.69 5.11 -20.57	141.76 1.97 -113.01	150.36 2.30 -116.90	118.46 5.65 -31.59	114.90 5.79 -23.28	131.05 7.72 0.00	108.32 5.91 -5.16	102.29 5.53 0.00
INGHAM_C_115KV_TB7 356103	75.08 2.88 0.00	97.63 3.69 0.00	104.81 3.75 0.00	43.60 1.71 0.00	67.01 2.79 0.00	31.64 1.54 0.00	61.31 3.27 0.00	38.37 1.95 0.00	72.72 2.96 -0.05	34.06 0.99 -0.01	35.41 0.72 0.00	37.67 0.52 0.00	39.48 0.31 0.00	39.70 0.45 0.00	49.48 0.58 0.00	89.13 1.89 0.00	76.49 2.49 0.00	28.06 1.28 -0.01	33.38 1.40 -0.83	86.25 3.43 -1.60	89.93 3.52 -0.58	127.58 4.25 0.00	100.70 3.44 0.00	99.85 3.09 0.00
IP CORINTH___1 23988	94.93 6.66 -16.07	107.11 8.59 -4.58	110.19 9.14 0.00	94.48 3.86 -48.74	114.68 6.09 -44.37	137.39 2.99 -104.30	282.10 6.16 -217.90	267.87 3.81 -227.64	129.36 6.84 -52.81	103.75 2.96 -67.73	93.89 2.84 -56.36	61.01 2.75 -21.11	41.87 2.71 0.00	42.80 2.75 -0.79	56.41 3.73 -3.78	94.58 7.34 0.00	107.01 6.74 -26.27	173.72 2.66 -144.29	183.51 3.10 -149.25	135.53 7.84 -46.47	132.20 8.21 -38.18	134.68 11.34 0.00	112.38 8.54 -6.59	105.09 8.33 0.00



IP__TICONDEROGA 23804	97.86 9.78 -15.87	111.10 12.59 -4.57	114.35 13.29 0.00	96.08 5.63 -48.57	117.23 8.99 -44.02	137.95 4.48 -103.38	283.16 9.44 -215.67	268.06 5.70 -225.93	132.15 10.04 -52.41	104.86 4.19 -67.61	94.87 3.92 -56.26	61.92 3.70 -21.07	42.57 3.40 0.00	43.67 3.62 -0.79	58.05 5.37 -3.77	98.47 11.23 0.00	110.46 10.23 -26.22	174.79 4.00 -144.02	184.79 4.65 -148.98	139.30 11.77 -46.30	135.98 12.17 -37.99	139.56 16.23 0.00	115.83 11.99 -6.58	108.42 11.67 0.00
ISLIP_RES_REC 323679	82.76 6.88 -3.69	106.29 8.72 -3.62	110.18 9.12 0.00	79.65 3.91 -33.86	90.93 5.95 -20.77	76.70 2.85 -43.76	138.63 5.74 -74.85	145.96 3.56 -105.98	100.58 6.60 -24.27	89.96 3.34 -53.55	82.94 3.68 -44.56	57.63 3.78 -16.69	43.15 3.99 0.00	44.06 4.18 -0.63	69.98 5.44 -15.65	128.18 9.30 -31.64	144.63 8.01 -62.62	156.36 3.01 -126.58	152.46 3.30 -118.00	121.56 8.45 -31.88	118.01 8.68 -23.50	135.42 12.09 0.00	111.72 9.25 -5.21	105.49 8.73 0.00
JAMAICA__27_KV_LOAD 355505	81.44 5.56 -3.69	104.38 6.82 -3.62	108.16 7.11 0.00	78.83 3.08 -33.87	89.76 4.77 -20.78	76.30 2.43 -43.77	137.65 4.74 -74.88	145.73 3.30 -106.01	100.23 6.24 -24.28	89.75 3.12 -53.56	82.65 3.38 -44.57	57.66 3.82 -16.69	43.10 3.94 0.00	43.88 4.00 -0.63	56.89 5.00 -2.99	95.40 8.16 0.00	101.45 6.67 -20.77	143.39 2.52 -114.10	152.12 2.92 -118.04	120.46 7.34 -31.89	116.83 7.49 -23.51	133.46 10.13 0.00	110.22 7.75 -5.21	103.89 7.14 0.00
JANIS__SOLAR 323808	85.41 2.28 -10.94	101.62 3.02 -4.66	109.38 2.79 -5.53	64.63 1.17 -21.58	73.57 1.96 -7.40	49.84 1.15 -18.59	88.26 2.77 -27.45	74.88 1.80 -36.66	84.81 2.41 -12.69	53.28 0.31 -19.90	49.38 -0.01 -14.70	42.97 -0.40 -6.21	41.04 -0.39 -2.26	40.96 -0.66 -2.36	51.39 -0.65 -3.14	95.85 -0.24 -8.84	126.84 1.17 -51.66	66.26 0.95 -38.54	69.20 1.13 -36.92	130.06 2.54 -46.29	98.91 2.81 -10.27	133.39 3.20 -6.86	105.41 1.95 -6.21	98.37 1.53 -0.08
JARVIS____ 23743	72.77 0.57 0.00	94.68 0.74 0.00	101.80 0.74 0.00	42.22 0.34 0.00	64.73 0.51 0.00	30.37 0.27 0.00	58.56 0.52 0.00	36.74 0.32 0.00	70.31 0.55 -0.05	33.30 0.24 -0.01	34.93 0.24 0.00	37.38 0.23 0.00	39.37 0.21 0.00	39.49 0.23 0.00	49.19 0.30 0.00	87.76 0.52 0.00	74.46 0.46 0.00	27.02 0.24 -0.01	32.25 0.26 -0.83	83.39 0.57 -1.60	87.01 0.61 -0.58	124.11 0.78 0.00	97.93 0.68 0.00	97.29 0.53 0.00
JENNISON__1 23625	77.46 1.79 -3.48	97.69 2.49 -1.26	103.59 2.10 -0.43	57.32 1.09 -14.35	74.33 1.70 -8.40	50.33 1.10 -19.13	94.04 2.60 -33.40	80.54 1.53 -42.59	82.21 2.64 -9.87	52.78 0.59 -19.12	50.78 0.58 -15.51	43.38 0.41 -5.81	41.03 0.56 -1.30	39.68 -0.06 -0.48	49.82 -0.12 -1.04	88.59 0.34 -1.01	90.86 0.92 -15.93	67.75 0.70 -40.28	72.97 0.69 -41.12	100.83 1.39 -18.21	96.11 1.56 -8.72	125.38 1.56 -0.48	100.17 0.62 -2.30	97.04 0.29 0.00
JENNISON__2 23626	77.46 1.79 -3.48	97.69 2.49 -1.26	103.59 2.10 -0.43	57.32 1.09 -14.35	74.33 1.70 -8.40	50.33 1.10 -19.13	94.04 2.60 -33.40	80.54 1.53 -42.59	82.21 2.64 -9.87	52.78 0.59 -19.12	50.78 0.58 -15.51	43.38 0.41 -5.81	41.03 0.56 -1.30	39.68 -0.06 -0.48	49.82 -0.12 -1.04	88.59 0.34 -1.01	90.86 0.92 -15.93	67.75 0.70 -40.28	72.97 0.69 -41.12	100.83 1.39 -18.21	96.11 1.56 -8.72	125.38 1.56 -0.48	100.17 0.62 -2.30	97.04 0.29 0.00
JERICHO_RISE_WT_PWR 323719	70.87 -1.33 0.00	92.03 -1.91 0.00	99.09 -1.97 0.00	40.99 -0.89 0.00	62.63 -1.59 0.00	29.06 -1.04 0.00	55.66 -2.38 0.00	34.85 -1.57 0.00	65.89 -2.88 0.94	31.99 -1.38 -0.30	34.89 -1.33 -1.53	40.76 -1.34 -4.94	41.69 -1.30 -3.83	40.96 -1.29 -3.00	49.59 -1.51 -2.21	85.19 -2.62 -0.58	77.22 -2.52 -5.74	29.49 -1.23 -3.94	18.00 -1.38 11.77	52.06 -3.10 26.06	72.68 -3.05 10.09	119.65 -3.68 0.00	94.56 -3.34 -0.64	94.10 -2.65 0.00
KATONAH__115KV_46KV_TB4 355592	81.16 5.22 -3.74	104.10 6.49 -3.67	107.91 6.85 0.00	79.12 2.94 -34.30	89.77 4.51 -21.05	76.71 2.26 -44.35	138.54 4.61 -75.89	147.05 3.25 -107.38	100.40 6.10 -24.60	90.22 2.92 -54.23	82.99 3.17 -45.13	57.45 3.40 -16.90	42.64 3.47 0.00	43.42 3.53 -0.63	56.37 4.44 -3.03	94.76 7.52 0.00	101.42 6.38 -21.03	144.77 2.47 -115.53	153.54 2.87 -119.51	120.70 7.18 -32.29	116.97 7.34 -23.81	133.17 9.84 0.00	109.99 7.45 -5.28	103.77 7.01 0.00
KCE_NY_1 323755	93.25 5.34 -15.71	105.53 7.02 -4.56	108.45 7.40 0.00	93.47 3.16 -48.42	112.88 4.93 -43.74	135.10 2.37 -102.64	276.76 4.81 -213.91	263.98 2.98 -224.58	127.17 5.38 -52.09	102.96 2.39 -67.51	93.19 2.32 -56.18	60.52 2.32 -21.04	41.44 2.27 0.00	42.37 2.33 -0.79	55.83 3.16 -3.77	93.34 6.10 0.00	105.72 5.53 -26.18	172.75 2.16 -143.81	182.43 2.50 -148.76	133.74 6.35 -46.16	130.42 6.76 -37.84	132.74 9.41 0.00	110.92 7.10 -6.57	103.59 6.83 0.00
KCE_NY_6_ESR 323823	51.23 -6.45 14.52	69.02 -8.39 16.53	74.60 -9.55 16.91	30.52 -4.19 7.17	56.22 -5.79 2.21	25.33 -2.54 2.22	48.48 -4.29 5.26	26.08 -3.05 7.29	42.48 -5.91 21.32	23.25 -3.22 6.59	25.92 -3.69 5.08	27.83 -4.14 5.18	24.71 -4.42 10.03	24.69 -4.58 9.99	32.95 -5.58 10.37	56.66 -9.89 20.69	31.04 -8.46 34.51	18.71 -2.81 5.25	25.13 -3.11 2.92	39.73 -8.62 32.87	64.86 -7.82 13.14	89.44 -11.79 22.10	76.56 -9.01 11.69	87.93 -8.45 0.38
KEDC_PORT_JEFF_GT2 24210	82.47 6.59 -3.69	105.90 8.34 -3.62	109.67 8.61 0.00	79.43 3.69 -33.86	90.61 5.62 -20.77	76.54 2.68 -43.76	138.25 5.35 -74.85	145.71 3.31 -105.98	100.12 6.14 -24.27	89.76 3.14 -53.55	82.75 3.50 -44.56	57.45 3.60 -16.69	42.96 3.79 0.00	43.85 3.97 -0.63	69.71 5.17 -15.65	127.64 8.76 -31.64	144.14 7.52 -62.62	156.10 2.75 -126.58	152.16 3.00 -118.00	120.77 7.66 -31.88	117.22 7.90 -23.50	134.67 11.34 0.00	111.15 8.68 -5.21	104.93 8.17 0.00
KEDC_PORT_JEFF_GT3 24211	82.47 6.59 -3.69	105.90 8.34 -3.62	109.67 8.61 0.00	79.43 3.69 -33.86	90.61 5.62 -20.77	76.54 2.68 -43.76	138.25 5.35 -74.85	145.71 3.31 -105.98	100.12 6.14 -24.27	89.76 3.14 -53.55	82.75 3.50 -44.56	57.45 3.60 -16.69	42.96 3.79 0.00	43.85 3.97 -0.63	69.71 5.17 -15.65	127.64 8.76 -31.64	144.14 7.52 -62.62	156.10 2.75 -126.58	152.16 3.00 -118.00	120.77 7.66 -31.88	117.22 7.90 -23.50	134.67 11.34 0.00	111.15 8.68 -5.21	104.93 8.17 0.00
KEDC_GLWD_GT4 24219	81.97 6.08 -3.69	105.18 7.62 -3.62	109.07 8.02 0.00	79.15 3.41 -33.86	90.23 5.24 -20.77	76.40 2.54 -43.76	137.77 4.87 -74.85	145.55 3.15 -105.98	99.92 5.94 -24.27	89.58 2.97 -53.55	82.69 3.43 -44.56	57.51 3.66 -16.69	42.98 3.82 0.00	43.75 3.87 -0.63	69.38 4.83 -15.65	127.07 8.19 -31.64	143.49 6.86 -62.62	155.97 2.62 -126.58	152.09 2.94 -118.00	120.50 7.39 -31.88	116.90 7.57 -23.50	133.61 10.28 0.00	110.16 7.69 -5.21	104.01 7.25 0.00
KEDC_GLWD_GT5 24220	81.97 6.08 -3.69	105.18 7.62 -3.62	109.07 8.02 0.00	79.15 3.41 -33.86	90.23 5.24 -20.77	76.40 2.54 -43.76	137.77 4.87 -74.85	145.55 3.15 -105.98	99.92 5.94 -24.27	89.58 2.97 -53.55	82.69 3.43 -44.56	57.51 3.66 -16.69	42.98 3.82 0.00	43.75 3.87 -0.63	69.38 4.83 -15.65	127.07 8.19 -31.64	143.49 6.86 -62.62	155.97 2.62 -126.58	152.09 2.94 -118.00	120.50 7.39 -31.88	116.90 7.57 -23.50	133.61 10.28 0.00	110.16 7.69 -5.21	104.01 7.25 0.00



KENSICO____ 23655	80.59 4.71 -3.68	103.42 5.87 -3.61	107.24 6.19 0.00	78.34 2.66 -33.80	89.03 4.07 -20.73	75.81 2.04 -43.68	136.88 4.12 -74.72	144.97 2.76 -105.79	99.14 5.20 -24.23	89.06 2.55 -53.45	81.96 2.79 -44.48	56.83 3.01 -16.66	42.26 3.09 0.00	43.06 3.18 -0.63	55.87 3.98 -2.98	93.88 6.64 0.00	100.28 5.54 -20.73	142.76 2.13 -113.86	151.40 2.46 -117.78	119.13 6.09 -31.83	115.51 6.23 -23.46	131.67 8.33 0.00	108.85 6.39 -5.20	102.76 6.00 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	81.16 5.12 -3.84	103.85 6.44 -3.47	107.89 6.84 0.00	77.43 2.91 -32.64	89.16 4.53 -20.41	75.67 2.28 -43.29	137.77 4.77 -74.96	143.33 3.21 -103.70	99.31 5.81 -23.80	87.03 2.59 -51.38	80.09 2.65 -42.75	55.88 2.71 -16.01	42.05 2.88 0.00	42.67 2.82 -0.60	55.36 3.59 -2.87	93.73 6.49 0.00	99.96 6.03 -19.93	138.60 2.37 -109.45	147.17 2.79 -113.22	118.91 6.95 -30.73	115.72 7.15 -22.74	132.77 9.44 0.00	109.29 7.03 -5.00	103.27 6.52 0.00
KIAC_JFK_GT1 23816	81.17 5.28 -3.69	104.02 6.46 -3.62	107.83 6.77 0.00	78.69 2.94 -33.87	89.54 4.55 -20.78	76.18 2.31 -43.77	137.43 4.51 -74.88	145.57 3.14 -106.01	99.95 5.96 -24.28	89.62 2.99 -53.56	82.52 3.25 -44.57	57.52 3.68 -16.69	42.96 3.79 0.00	43.75 3.86 -0.63	56.71 4.82 -2.99	95.08 7.84 0.00	101.13 6.35 -20.77	143.29 2.41 -114.10	151.99 2.80 -118.04	120.09 6.98 -31.89	116.44 7.11 -23.51	132.92 9.58 0.00	109.82 7.35 -5.21	103.54 6.79 0.00
KIAC_JFK_GT2 23817	81.17 5.28 -3.69	104.02 6.46 -3.62	107.83 6.77 0.00	78.69 2.94 -33.87	89.54 4.55 -20.78	76.18 2.31 -43.77	137.43 4.51 -74.88	145.57 3.14 -106.01	99.95 5.96 -24.28	89.62 2.99 -53.56	82.52 3.25 -44.57	57.52 3.68 -16.69	42.96 3.79 0.00	43.75 3.86 -0.63	56.71 4.82 -2.99	95.08 7.84 0.00	101.13 6.35 -20.77	143.29 2.41 -114.10	151.99 2.80 -118.04	120.09 6.98 -31.89	116.44 7.11 -23.51	132.92 9.58 0.00	109.82 7.35 -5.21	103.54 6.79 0.00
KIAC_JFK____ 323774	81.18 5.29 -3.69	104.02 6.46 -3.62	107.82 6.76 0.00	78.69 2.94 -33.87	89.55 4.55 -20.78	76.18 2.31 -43.77	137.43 4.51 -74.88	145.57 3.14 -106.01	99.96 5.97 -24.28	89.62 3.00 -53.56	82.52 3.25 -44.57	57.52 3.67 -16.69	42.96 3.79 0.00	43.75 3.87 -0.63	56.72 4.82 -2.99	95.08 7.84 0.00	101.15 6.37 -20.77	143.29 2.41 -114.10	151.99 2.80 -118.04	120.11 6.99 -31.89	116.44 7.11 -23.51	132.92 9.58 0.00	109.81 7.34 -5.21	103.53 6.77 0.00
KINTIGH____ 23543	58.37 -6.37 7.46	77.82 -8.26 7.86	83.33 -9.30 8.42	35.40 -4.01 2.47	58.73 -5.58 -0.09	28.67 -2.50 -1.08	54.99 -4.31 -1.26	35.49 -3.01 -2.08	54.44 -5.96 9.30	29.42 -3.12 0.53	31.24 -3.43 0.01	31.61 -3.95 1.60	29.92 -4.31 4.94	29.83 -4.48 4.94	38.46 -5.44 5.00	66.91 -9.63 10.70	46.27 -8.24 19.49	27.44 -2.69 -3.36	33.09 -3.04 -4.97	55.28 -8.60 17.34	72.56 -8.01 5.26	100.04 -12.08 11.21	82.36 -9.17 5.72	88.25 -8.32 0.18
KNTFSRNC_46_KV_46KV_LOAD 80397	72.33 0.13 0.00	93.92 -0.02 0.00	100.92 -0.14 0.00	41.73 -0.15 0.00	63.73 -0.48 0.00	29.59 -0.51 0.00	56.78 -1.26 0.00	35.60 -0.83 0.00	67.20 -1.56 0.95	35.41 -0.84 -3.19	46.96 -0.83 -13.10	78.56 -0.85 -42.25	71.06 -0.81 -32.71	64.10 -0.79 -25.64	66.91 -0.88 -18.89	90.92 -1.25 -4.93	121.78 -1.28 -49.05	60.51 -0.72 -34.46	38.61 -0.80 -8.25	66.05 -1.61 13.57	74.01 -1.56 10.25	121.63 -1.71 0.00	100.94 -1.80 -5.48	95.82 -0.94 0.00
LACHUTE__HYDRO 323717	97.86 9.79 -15.87	111.10 12.59 -4.57	114.35 13.29 0.00	96.08 5.63 -48.57	117.22 8.99 -44.02	137.95 4.48 -103.38	283.16 9.44 -215.67	268.05 5.70 -225.93	132.18 10.06 -52.41	104.86 4.19 -67.61	94.86 3.90 -56.26	61.92 3.70 -21.07	42.57 3.40 0.00	43.66 3.62 -0.79	58.05 5.37 -3.77	98.47 11.23 0.00	110.46 10.23 -26.22	174.79 4.00 -144.02	184.79 4.65 -148.98	139.29 11.77 -46.30	135.98 12.16 -37.99	139.57 16.24 0.00	115.82 11.99 -6.58	108.41 11.65 0.00
LAWRNCV_115KV_TB1 80681	72.01 -0.19 0.00	93.70 -0.24 0.00	100.65 -0.40 0.00	41.58 -0.30 0.00	63.69 -0.53 0.00	29.46 -0.64 0.00	56.42 -1.61 0.00	35.27 -1.15 0.00	66.88 -2.03 0.79	32.10 -0.89 0.07	34.00 -0.70 0.00	36.45 -0.70 0.00	38.54 -0.62 0.00	38.80 -0.46 0.00	48.36 -0.54 0.00	86.03 -1.21 0.00	72.65 -1.36 0.00	25.90 -0.79 0.09	18.06 -0.89 12.21	55.88 -1.88 23.47	75.41 -1.88 8.53	122.43 -0.90 0.00	96.18 -1.08 0.00	96.49 -0.27 0.00
LEDERLE____ 23769	80.18 4.43 -3.55	102.96 5.53 -3.49	106.88 5.83 0.00	76.99 2.50 -32.61	88.07 3.85 -20.00	74.15 1.93 -42.12	134.06 3.98 -72.04	141.13 2.69 -102.02	98.05 4.98 -23.37	87.03 2.40 -51.57	80.20 2.60 -42.91	56.01 2.78 -16.07	42.03 2.87 0.00	42.82 2.96 -0.60	55.47 3.70 -2.88	93.47 6.23 0.00	99.32 5.32 -20.00	138.67 2.05 -109.85	147.19 2.40 -113.63	117.86 5.94 -30.70	114.49 6.04 -22.63	131.39 8.06 0.00	108.41 6.13 -5.02	102.45 5.69 0.00
LIGHTHSE_115KV_TB6 355974	70.93 -1.26 0.00	92.75 -1.44 -0.26	98.94 -2.11 0.00	43.13 -1.01 -2.25	63.87 -1.41 -1.05	31.41 -0.67 -1.98	60.10 -1.11 -3.17	41.48 -0.63 -5.69	69.45 -1.40 -1.15	35.99 -0.84 -3.77	36.65 -1.18 -3.15	36.88 -1.45 -1.18	37.61 -1.55 0.00	37.91 -1.39 -0.04	47.37 -1.74 -0.21	84.52 -2.72 0.00	73.74 -1.73 -1.47	34.45 -0.37 -8.05	37.99 -0.45 -7.29	79.72 -1.61 -0.10	84.80 -1.76 -0.74	120.78 -2.55 0.00	95.03 -2.59 -0.37	93.92 -2.84 0.00
LINDEN COGEN____ 23786	-51.99 4.62 128.81	44.46 5.60 55.08	-1201.00 5.96 1308.01	42.12 2.57 2.33	32.29 3.94 35.87	2.77 1.99 29.32	77.30 3.96 -15.30	99.60 2.70 -60.47	-409.34 5.16 484.22	-660.96 2.62 696.64	-418.21 2.93 455.82	-597.62 3.23 638.00	-24.35 3.31 66.82	15.77 3.39 26.88	-86.12 4.23 139.25	-23.83 6.89 117.95	89.55 5.50 -10.05	114.10 2.11 -85.22	94.28 2.40 -60.72	70.51 5.90 16.61	68.67 6.01 23.16	-20.08 7.99 151.40	-65.90 6.13 169.29	-59.15 5.72 161.62
LINDHRST_69_KV_BK1 356055	82.47 6.58 -3.69	105.83 8.27 -3.62	109.76 8.70 0.00	79.44 3.70 -33.86	90.62 5.63 -20.77	76.59 2.73 -43.76	138.41 5.52 -74.85	145.88 3.48 -105.98	100.46 6.48 -24.27	89.86 3.24 -53.55	82.86 3.61 -44.56	57.61 3.77 -16.69	43.09 3.93 0.00	43.95 4.07 -0.63	69.79 5.25 -15.65	127.86 8.98 -31.64	144.26 7.64 -62.62	156.25 2.90 -126.58	152.38 3.23 -118.00	121.34 8.23 -31.88	117.85 8.52 -23.50	135.05 11.71 0.00	111.32 8.85 -5.21	105.07 8.32 0.00
LIPA_MISC_IPP 23656	82.15 6.27 -3.69	105.61 8.05 -3.62	109.50 8.44 0.00	79.37 3.63 -33.86	90.51 5.52 -20.77	76.43 2.57 -43.76	138.04 5.14 -74.85	145.50 3.10 -105.98	99.66 5.68 -24.27	89.56 2.94 -53.55	82.54 3.28 -44.56	57.17 3.33 -16.69	42.73 3.57 0.00	43.68 3.80 -0.63	69.50 4.95 -15.65	127.16 8.28 -31.64	143.78 7.15 -62.62	156.07 2.72 -126.58	152.13 2.97 -118.00	120.70 7.59 -31.88	117.13 7.80 -23.50	134.12 10.78 0.00	110.71 8.23 -5.21	104.51 7.75 0.00
LISF__SOLAR 323691	82.26 6.38 -3.69	105.76 8.20 -3.62	109.66 8.61 0.00	79.43 3.69 -33.86	90.61 5.62 -20.77	76.48 2.62 -43.76	138.15 5.26 -74.85	145.57 3.17 -105.98	99.77 5.79 -24.27	89.59 2.98 -53.55	82.55 3.30 -44.56	57.19 3.34 -16.69	42.76 3.60 0.00	43.72 3.84 -0.63	69.56 5.01 -15.65	127.30 8.41 -31.64	143.93 7.30 -62.62	156.13 2.78 -126.58	152.21 3.05 -118.00	120.90 7.79 -31.88	117.29 7.96 -23.50	134.35 11.02 0.00	110.92 8.45 -5.21	104.66 7.91 0.00



LITTLE FALLS___HYD 24013	75.08 2.88 0.00	97.63 3.69 0.00	104.81 3.75 0.00	43.60 1.71 0.00	67.01 2.79 0.00	31.64 1.54 0.00	61.31 3.27 0.00	38.37 1.95 0.00	72.72 2.96 -0.05	34.06 0.99 -0.01	35.41 0.72 0.00	37.67 0.52 0.00	39.48 0.31 0.00	39.70 0.45 0.00	49.48 0.58 0.00	89.13 1.89 0.00	76.49 2.49 0.00	28.06 1.28 -0.01	33.38 1.40 -0.83	86.25 3.43 -1.60	89.93 3.52 -0.58	127.58 4.25 0.00	100.70 3.44 0.00	99.85 3.09 0.00
LITTLRIV_115KV_TB1 356100	72.88 0.68 0.00	94.81 0.87 0.00	101.87 0.81 0.00	42.08 0.20 0.00	64.46 0.24 0.00	29.81 -0.29 0.00	57.14 -0.90 0.00	35.73 -0.69 0.00	67.73 -1.20 0.78	32.41 -0.58 0.07	34.27 -0.42 0.00	36.60 -0.55 0.00	38.63 -0.54 0.00	39.07 -0.19 0.00	48.75 -0.14 0.00	86.97 -0.27 0.00	73.54 -0.47 0.00	26.26 -0.43 0.08	18.74 -0.47 11.94	57.49 -0.78 22.95	76.71 -0.77 8.34	124.14 0.81 0.00	97.47 0.21 0.00	97.85 1.09 0.00
LI_NEWBRDGE___DRP 323616	81.36 5.48 -3.69	104.40 6.84 -3.62	108.26 7.20 0.00	78.81 3.07 -33.86	89.67 4.68 -20.77	76.15 2.29 -43.76	137.45 4.56 -74.85	145.32 2.92 -105.98	99.43 5.45 -24.27	89.37 2.76 -53.55	82.37 3.12 -44.56	57.15 3.30 -16.69	42.59 3.43 0.00	43.44 3.56 -0.63	69.08 4.54 -15.65	126.48 7.60 -31.64	142.97 6.34 -62.62	155.74 2.39 -126.58	151.82 2.66 -118.00	119.84 6.74 -31.88	116.24 6.91 -23.50	132.78 9.44 0.00	109.61 7.14 -5.21	103.48 6.72 0.00
LOCKPORT_115KV_TB60_63_64 80432	54.27 -7.46 10.47	72.68 -9.70 11.56	78.09 -10.92 12.05	32.66 -4.74 4.48	56.68 -6.63 0.90	26.82 -2.94 0.34	52.50 -5.07 0.47	32.39 -3.68 0.35	50.17 -7.10 12.43	27.20 -3.73 2.13	28.69 -4.11 1.89	29.29 -4.73 3.13	27.27 -5.14 6.75	27.60 -5.36 6.29	35.95 -6.52 6.44	62.37 -11.57 13.30	40.83 -9.94 23.24	25.06 -3.30 -1.59	30.69 -3.70 -3.24	49.99 -10.28 20.96	69.14 -9.33 7.35	95.23 -14.02 14.07	79.21 -10.67 7.38	86.88 -9.61 0.27
LOCKPORT___CC1 323769	53.19 -7.82 11.18	71.30 -10.14 12.50	76.69 -11.42 12.94	31.96 -4.96 4.97	56.02 -7.01 1.19	26.23 -3.10 0.76	46.12 -5.41 6.51	23.10 -3.89 9.43	38.67 -7.46 23.57	21.46 -3.94 7.67	26.31 -4.42 3.96	28.72 -4.89 3.55	24.80 -5.27 9.09	22.92 -5.56 10.78	30.92 -6.76 11.22	52.84 -12.01 22.39	26.33 -10.33 37.35	14.26 -3.49 9.02	21.22 -3.90 6.04	33.50 -10.63 37.10	61.59 -9.72 14.51	84.77 -14.59 23.97	73.76 -11.15 12.35	86.26 -10.21 0.29
LOCKPORT___CC2 323770	53.19 -7.82 11.18	71.30 -10.14 12.50	76.69 -11.42 12.94	31.96 -4.96 4.97	56.02 -7.01 1.19	26.23 -3.10 0.76	46.12 -5.41 6.51	23.10 -3.89 9.43	38.67 -7.46 23.57	21.46 -3.94 7.67	26.31 -4.42 3.96	28.72 -4.89 3.55	24.80 -5.27 9.09	22.92 -5.56 10.78	30.92 -6.76 11.22	52.84 -12.01 22.39	26.33 -10.33 37.35	14.26 -3.49 9.02	21.22 -3.90 6.04	33.50 -10.63 37.10	61.59 -9.72 14.51	84.77 -14.59 23.97	73.76 -11.15 12.35	86.26 -10.21 0.29
LOCKPORT___CC3 323771	53.19 -7.82 11.18	71.30 -10.14 12.50	76.69 -11.42 12.94	31.96 -4.96 4.97	56.02 -7.01 1.19	26.23 -3.10 0.76	46.12 -5.41 6.51	23.10 -3.89 9.43	38.67 -7.46 23.57	21.46 -3.94 7.67	26.31 -4.42 3.96	28.72 -4.89 3.55	24.80 -5.27 9.09	22.92 -5.56 10.78	30.92 -6.76 11.22	52.84 -12.01 22.39	26.33 -10.33 37.35	14.26 -3.49 9.02	21.22 -3.90 6.04	33.50 -10.63 37.10	61.59 -9.72 14.51	84.77 -14.59 23.97	73.76 -11.15 12.35	86.26 -10.21 0.29
LONG_LAKE_PHOENIX 24014	70.21 -1.99 0.00	91.62 -2.60 -0.29	98.07 -2.99 0.00	43.18 -1.24 -2.53	63.63 -1.77 -1.18	31.65 -0.68 -2.23	60.45 -1.15 -3.56	42.14 -0.66 -6.39	69.63 -1.44 -1.36	36.52 -0.79 -4.24	37.25 -0.97 -3.53	37.38 -1.10 -1.32	37.96 -1.21 0.00	38.08 -1.23 -0.05	47.60 -1.54 -0.24	84.66 -2.58 0.00	73.79 -1.87 -1.65	35.41 -0.41 -9.04	40.02 -0.49 -9.36	81.91 -1.68 -2.37	85.73 -1.74 -1.65	120.39 -2.94 0.00	95.15 -2.52 -0.41	94.18 -2.58 0.00
LOVETT___3 23632	79.80 4.05 -3.56	102.49 5.05 -3.50	106.37 5.31 0.00	76.90 2.30 -32.72	87.80 3.51 -20.07	74.15 1.77 -42.28	134.01 3.65 -72.32	141.30 2.47 -102.41	97.72 4.55 -23.46	87.04 2.21 -51.76	80.18 2.41 -43.08	55.87 2.58 -16.13	41.82 2.65 0.00	42.60 2.74 -0.61	55.21 3.42 -2.89	92.95 5.71 0.00	98.92 4.84 -20.07	138.92 1.88 -110.27	147.43 2.20 -114.07	117.45 5.41 -30.82	114.06 5.52 -22.72	130.63 7.30 0.00	107.87 5.57 -5.04	101.94 5.19 0.00
LOVETT___4 23642	79.80 4.05 -3.56	102.49 5.05 -3.50	106.37 5.31 0.00	76.90 2.30 -32.72	87.80 3.51 -20.07	74.15 1.77 -42.28	134.01 3.65 -72.32	141.30 2.47 -102.41	97.72 4.55 -23.46	87.04 2.21 -51.76	80.18 2.41 -43.08	55.87 2.58 -16.13	41.82 2.65 0.00	42.60 2.74 -0.61	55.21 3.42 -2.89	92.95 5.71 0.00	98.92 4.84 -20.07	138.92 1.88 -110.27	147.43 2.20 -114.07	117.45 5.41 -30.82	114.06 5.52 -22.72	130.63 7.30 0.00	107.87 5.57 -5.04	101.94 5.19 0.00
LOVETT___5 23593	79.80 4.05 -3.56	102.49 5.05 -3.50	106.37 5.31 0.00	76.90 2.30 -32.72	87.80 3.51 -20.07	74.15 1.77 -42.28	134.01 3.65 -72.32	141.30 2.47 -102.41	97.72 4.55 -23.46	87.04 2.21 -51.76	80.18 2.41 -43.08	55.87 2.58 -16.13	41.82 2.65 0.00	42.60 2.74 -0.61	55.21 3.42 -2.89	92.95 5.71 0.00	98.92 4.84 -20.07	138.92 1.88 -110.27	147.43 2.20 -114.07	117.45 5.41 -30.82	114.06 5.52 -22.72	130.63 7.30 0.00	107.87 5.57 -5.04	101.94 5.19 0.00
LOWER RAQUET___HYD 24057	72.06 -0.14 0.00	93.76 -0.19 0.00	100.64 -0.42 0.00	41.58 -0.30 0.00	63.69 -0.53 0.00	29.41 -0.69 0.00	56.27 -1.77 0.00	35.16 -1.26 0.00	66.69 -2.26 0.76	32.01 -0.98 0.07	33.93 -0.76 0.00	36.34 -0.81 0.00	38.42 -0.75 0.00	38.71 -0.54 0.00	48.25 -0.65 0.00	85.80 -1.44 0.00	72.42 -1.58 0.00	25.83 -0.86 0.08	18.49 -0.97 11.69	56.66 -2.10 22.47	75.56 -2.10 8.17	122.36 -0.97 0.00	96.07 -1.19 0.00	96.43 -0.33 0.00
LOWER___HUDSON 24059	89.94 4.25 -13.49	103.85 5.43 -4.48	106.80 5.75 0.00	90.89 2.46 -46.55	107.93 3.84 -39.88	124.39 1.82 -92.48	251.02 3.56 -189.43	244.55 2.19 -205.93	121.55 4.16 -47.69	101.37 2.01 -66.30	91.86 2.00 -55.17	59.87 2.06 -20.66	41.14 1.97 0.00	42.05 2.02 -0.78	55.28 2.68 -3.70	92.08 4.84 0.00	103.98 4.26 -25.71	169.60 1.59 -141.24	179.13 1.87 -146.10	130.38 4.78 -44.37	126.80 5.14 -35.83	130.36 7.03 0.00	109.22 5.50 -6.45	102.13 5.37 0.00
LOWVILLE_115KV_TB2 356335	73.26 1.06 0.00	95.99 1.93 -0.12	102.16 1.11 0.00	43.26 0.28 -1.10	65.36 0.63 -0.51	30.67 -0.39 -0.96	59.00 -0.59 -1.54	38.85 -0.33 -2.77	69.30 -0.82 -0.41	34.26 -0.62 -1.82	35.30 -0.92 -1.53	36.62 -1.11 -0.57	38.14 -1.03 0.00	38.78 -0.50 -0.02	48.07 -0.94 -0.10	85.68 -1.57 0.00	74.18 -0.54 -0.71	30.61 -0.06 -3.90	32.33 -0.07 -1.24	76.47 -0.37 4.39	83.95 -0.62 1.25	124.45 1.12 0.00	96.81 -0.63 -0.18	95.35 -1.40 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	93.22 5.31 -15.71	105.40 6.89 -4.56	108.37 7.32 0.00	93.41 3.11 -48.42	112.81 4.86 -43.74	135.08 2.34 -102.64	276.70 4.76 -213.91	263.95 2.95 -224.58	127.13 5.34 -52.09	102.93 2.36 -67.51	93.17 2.29 -56.18	60.51 2.31 -21.04	41.43 2.26 0.00	42.35 2.31 -0.79	55.78 3.11 -3.77	93.21 5.97 0.00	105.64 5.45 -26.18	172.71 2.13 -143.81	182.40 2.47 -148.76	133.66 6.28 -46.16	130.29 6.63 -37.84	132.46 9.13 0.00	110.77 6.94 -6.57	103.50 6.75 0.00



LUTHERNY_35_KV_BK2 355980	93.25 5.34 -15.71	105.52 7.02 -4.56	108.46 7.40 0.00	93.47 3.16 -48.42	112.88 4.93 -43.74	135.10 2.36 -102.64	276.76 4.81 -213.91	263.98 2.98 -224.58	127.17 5.37 -52.09	102.96 2.39 -67.51	93.19 2.32 -56.18	60.52 2.32 -21.04	41.44 2.27 0.00	42.37 2.33 -0.79	55.82 3.15 -3.77	93.34 6.10 0.00	105.72 5.53 -26.18	172.75 2.16 -143.81	182.43 2.50 -148.76	133.74 6.35 -46.16	130.42 6.76 -37.84	132.74 9.41 0.00	110.92 7.10 -6.57	103.60 6.85 0.00
LWR___OSWEGATCHIE_HYD 23850	72.41 0.22 0.00	94.58 0.55 -0.09	101.06 0.00 0.00	42.51 -0.19 -0.82	64.40 -0.20 -0.38	30.19 -0.62 -0.72	57.86 -1.33 -1.15	37.56 -0.91 -2.06	67.90 -1.74 0.06	33.48 -0.91 -1.32	34.83 -1.00 -1.14	36.45 -1.13 -0.43	38.07 -1.09 0.00	38.58 -0.69 -0.02	48.06 -0.92 -0.08	85.48 -1.76 0.00	73.26 -1.27 -0.53	29.13 -0.51 -2.86	25.86 -0.57 4.73	65.69 -1.43 14.10	79.42 -1.52 4.87	123.13 -0.21 0.00	96.26 -1.13 -0.13	95.72 -1.03 0.00
LYONS_FALL_HYD 23570	73.65 1.45 0.00	96.27 2.21 -0.12	102.84 1.78 0.00	43.54 0.63 -1.03	65.81 1.11 -0.48	31.15 0.15 -0.90	59.98 0.50 -1.45	39.38 0.36 -2.59	70.68 0.52 -0.45	34.80 0.02 -1.72	35.93 -0.19 -1.43	37.37 -0.32 -0.54	38.91 -0.26 0.00	39.34 0.06 -0.02	48.90 -0.09 -0.10	87.25 0.01 0.00	75.35 0.67 -0.67	30.82 0.38 -3.66	33.83 0.43 -2.25	80.13 0.92 2.02	86.24 0.82 0.41	125.59 2.26 0.00	98.18 0.75 -0.17	96.94 0.18 0.00
MADISON___COUNTY_LFGE 323628	73.88 1.68 0.00	96.49 2.34 -0.21	103.51 2.45 0.00	44.73 1.03 -1.82	66.77 1.70 -0.85	32.58 0.88 -1.60	62.63 2.03 -2.56	42.37 1.35 -4.59	73.00 2.32 -0.98	36.86 0.74 -3.05	37.78 0.54 -2.54	38.54 0.44 -0.95	39.61 0.45 0.00	39.78 0.49 -0.04	49.69 0.62 -0.17	88.67 1.44 0.00	77.15 1.97 -1.18	34.19 0.91 -6.50	38.93 1.05 -6.73	85.38 2.45 -1.70	89.54 2.53 -1.19	126.64 3.31 0.00	99.81 2.25 -0.30	98.72 1.96 0.00
MALONE___115KV_TB1 356076	72.41 0.21 0.00	94.09 0.15 0.00	101.21 0.15 0.00	41.87 -0.02 0.00	64.01 -0.21 0.00	29.69 -0.40 0.00	57.02 -1.02 0.00	35.73 -0.69 0.00	67.65 -1.17 0.89	32.68 -0.60 -0.22	35.35 -0.56 -1.22	40.53 -0.55 -3.92	41.73 -0.47 -3.04	41.24 -0.39 -2.38	50.31 -0.34 -1.75	87.09 -0.61 -0.46	77.80 -0.75 -4.55	29.34 -0.55 -3.11	18.94 -0.59 11.63	55.03 -1.11 25.08	75.21 -1.01 9.61	122.82 -0.51 0.00	96.76 -1.00 -0.51	96.47 -0.29 0.00
MAPLEWOD_115KV_TB3 80458	87.47 3.87 -11.40	103.31 4.91 -4.46	106.19 5.14 0.00	89.36 2.23 -45.24	104.11 3.43 -36.46	115.04 1.61 -83.33	227.92 3.04 -166.84	226.69 1.91 -188.36	116.77 3.74 -43.33	100.77 1.79 -65.92	91.35 1.80 -54.85	59.61 1.91 -20.54	41.04 1.87 0.00	41.92 1.89 -0.77	54.98 2.40 -3.68	91.45 4.21 0.00	103.29 3.72 -25.56	168.51 1.32 -140.42	177.96 1.55 -145.25	128.23 4.02 -42.98	124.20 4.30 -34.07	129.27 5.94 0.00	108.59 4.92 -6.41	101.52 4.76 0.00
MAPLE_RIDGE_WT_1 323574	71.21 -0.99 0.00	92.46 -1.48 0.00	99.79 -1.27 0.00	41.39 -0.49 0.00	63.14 -1.07 0.00	29.23 -0.87 0.00	56.07 -1.97 0.00	35.13 -1.29 0.00	65.59 -2.46 1.65	31.76 -1.15 0.15	33.63 -1.06 0.00	36.07 -1.09 0.00	38.15 -1.02 0.00	38.23 -1.03 0.00	47.53 -1.37 0.00	84.83 -2.41 0.00	71.79 -2.22 0.00	25.66 -0.93 0.18	4.77 -1.03 25.36	29.96 -2.54 48.72	65.35 -2.76 17.71	120.62 -2.71 0.00	94.69 -2.56 0.00	94.04 -2.72 0.00
MAPLE_RIDGE_WT_2 323611	71.21 -0.99 0.00	92.46 -1.48 0.00	99.79 -1.27 0.00	41.39 -0.49 0.00	63.14 -1.07 0.00	29.23 -0.87 0.00	56.07 -1.97 0.00	35.13 -1.29 0.00	65.59 -2.46 1.65	31.76 -1.15 0.15	33.63 -1.06 0.00	36.07 -1.09 0.00	38.15 -1.02 0.00	38.23 -1.03 0.00	47.53 -1.37 0.00	84.83 -2.41 0.00	71.79 -2.22 0.00	25.66 -0.93 0.18	4.77 -1.03 25.36	29.96 -2.54 48.72	65.35 -2.76 17.71	120.62 -2.71 0.00	94.69 -2.56 0.00	94.04 -2.72 0.00
MARBLE_RIVER_WT_PWR 323696	71.05 -1.15 0.00	92.27 -1.67 0.00	99.27 -1.79 0.00	41.06 -0.82 0.00	62.73 -1.49 0.00	29.12 -0.98 0.00	55.77 -2.27 0.00	34.92 -1.50 0.00	65.97 -2.78 0.96	27.23 -1.35 4.49	15.75 -1.32 17.62	-21.00 -1.34 56.82	-6.13 -1.31 43.99	3.47 -1.30 34.48	21.94 -1.55 25.40	77.94 -2.67 6.62	5.53 -2.52 65.96	-21.00 -1.19 46.58	-15.79 -1.36 45.59	30.13 -3.07 48.02	72.45 -3.07 10.30	119.55 -3.78 0.00	86.54 -3.36 7.37	94.11 -2.64 0.00
MARSHVLE_115KV_TB1 80742	90.09 3.25 -14.65	103.30 4.24 -5.12	105.63 4.57 0.00	96.56 1.90 -52.78	111.56 3.00 -44.34	133.97 1.48 -102.40	271.46 3.20 -210.22	266.52 2.10 -228.00	125.03 2.82 -52.50	109.40 0.60 -75.74	98.16 0.43 -63.03	61.15 0.39 -23.61	39.82 0.66 0.00	40.82 0.68 -0.89	53.98 0.85 -4.23	89.18 1.94 0.00	106.11 2.73 -29.38	189.50 1.38 -161.35	199.66 1.59 -166.91	135.36 3.99 -50.14	130.13 4.12 -40.19	128.94 5.60 0.00	108.64 4.01 -7.37	100.46 3.71 0.00
MARSH_HILL_WT_PWR 323713	100.83 -5.19 -33.82	142.71 -6.68 -55.45	142.82 -7.64 -49.40	63.33 -3.11 -24.56	82.37 -4.41 -22.56	60.45 -1.75 -32.10	125.77 -2.90 -70.63	135.72 -1.79 -101.08	151.92 -3.99 -86.20	85.72 -2.28 -54.93	80.70 -2.82 -48.83	62.28 -3.66 -28.78	67.48 -3.81 -32.13	67.74 -3.91 -32.39	79.49 -4.73 -35.31	134.25 -8.24 -55.25	100.56 -6.21 -32.76	119.11 -1.66 -93.99	124.39 -1.87 -95.10	132.75 -5.41 -56.94	139.67 -5.49 -59.34	179.68 -9.11 -65.46	125.95 -7.31 -36.01	90.69 -7.28 -1.21
MCINTYRE_115KV_TB2 80467	73.26 1.06 0.00	95.31 1.37 0.00	102.53 1.47 0.00	42.34 0.46 0.00	64.88 0.66 0.00	30.08 -0.01 0.00	57.80 -0.24 0.00	36.18 -0.24 0.00	68.57 -0.34 0.80	32.73 -0.26 0.07	34.52 -0.17 0.00	36.82 -0.34 0.00	38.85 -0.31 0.00	39.33 0.08 0.00	49.08 0.18 0.00	88.01 0.77 0.00	74.50 0.49 0.00	26.61 -0.08 0.09	18.74 -0.06 12.35	57.79 0.29 23.73	77.53 0.33 8.63	125.28 1.95 0.00	98.38 1.12 0.00	98.69 1.94 0.00
MECO_____69_KV_BK1 80468	92.79 4.96 -15.63	105.30 6.43 -4.93	107.89 6.83 0.00	96.34 2.86 -51.61	113.83 4.50 -45.12	137.45 2.22 -105.14	280.76 4.73 -217.99	271.02 3.06 -231.54	127.71 4.51 -53.49	107.15 1.18 -72.91	96.16 0.79 -60.68	60.57 0.69 -22.72	39.96 0.80 0.00	40.89 0.78 -0.85	54.01 1.04 -4.07	90.31 3.07 0.00	106.82 4.54 -28.28	184.26 2.16 -155.32	194.35 2.52 -160.67	136.68 6.36 -49.09	132.25 6.61 -39.81	132.27 8.94 0.00	110.88 6.53 -7.10	102.90 6.14 0.00
MENANDS___115KV_TB5 355628	86.79 3.56 -11.03	102.93 4.54 -4.45	105.79 4.73 0.00	88.91 2.07 -44.96	103.20 3.16 -35.82	113.20 1.46 -81.64	223.31 2.71 -162.56	222.47 1.66 -184.39	115.31 3.33 -42.29	100.46 1.63 -65.77	91.08 1.65 -54.73	59.45 1.80 -20.50	40.92 1.75 0.00	41.78 1.76 -0.77	54.75 2.18 -3.67	90.97 3.73 0.00	102.74 3.23 -25.51	167.97 1.08 -140.12	177.38 1.28 -144.94	127.20 3.35 -42.62	123.06 3.61 -33.63	128.33 5.00 0.00	108.02 4.37 -6.40	101.04 4.29 0.00
MG INDUSTRY___DRP 24185	82.98 3.14 -7.64	102.38 4.09 -4.35	105.32 4.26 0.00	86.10 1.85 -42.37	97.12 2.85 -30.06	97.78 1.32 -66.36	183.95 2.47 -123.44	187.54 1.46 -149.66	107.14 2.71 -34.73	98.66 1.21 -64.38	89.44 1.17 -53.58	58.50 1.28 -20.07	40.40 1.24 0.00	41.25 1.24 -0.75	54.02 1.53 -3.59	90.07 2.83 0.00	101.64 2.66 -24.97	164.88 0.95 -137.15	174.12 1.09 -141.88	123.92 2.81 -39.87	119.23 3.03 -30.38	127.59 4.25 0.00	107.26 3.73 -6.27	100.54 3.79 0.00



MID___OSWEGATCHIE_HYD 23849	72.41 0.22 0.00	94.58 0.55 -0.09	101.06 0.00 0.00	42.51 -0.19 -0.82	64.40 -0.20 -0.38	30.19 -0.62 -0.72	57.86 -1.33 -1.15	37.56 -0.91 -2.06	67.90 -1.74 0.06	33.48 -0.91 -1.32	34.83 -1.00 -1.14	36.45 -1.13 -0.43	38.07 -1.09 0.00	38.58 -0.69 -0.02	48.06 -0.92 -0.08	85.48 -1.76 0.00	73.26 -1.27 -0.53	29.13 -0.51 -2.86	25.86 -0.57 4.73	65.69 -1.43 14.10	79.42 -1.52 4.87	123.13 -0.21 0.00	96.26 -1.13 -0.13	95.72 -1.03 0.00
MID___RAQUETTE_HYD 23851	72.06 -0.14 0.00	93.76 -0.19 0.00	100.64 -0.42 0.00	41.58 -0.30 0.00	63.69 -0.53 0.00	29.41 -0.69 0.00	56.26 -1.77 0.00	35.16 -1.26 0.00	66.69 -2.25 0.76	32.01 -0.99 0.07	33.91 -0.78 0.00	36.35 -0.81 0.00	38.43 -0.74 0.00	38.71 -0.54 0.00	48.25 -0.65 0.00	85.80 -1.44 0.00	72.42 -1.58 0.00	25.83 -0.86 0.08	18.49 -0.97 11.69	56.64 -2.12 22.47	75.56 -2.10 8.17	122.36 -0.97 0.00	96.07 -1.19 0.00	96.41 -0.34 0.00
MILLIKEN___1 23584	84.70 0.49 -12.01	99.25 0.61 -4.70	107.61 0.34 -6.22	63.34 0.15 -21.30	70.30 0.44 -5.64	45.78 0.40 -15.28	79.14 1.10 -20.00	64.93 0.76 -27.74	81.68 1.03 -10.94	50.02 0.05 -16.89	46.32 -0.19 -11.81	41.90 -0.44 -5.19	41.06 -0.47 -2.36	41.16 -0.57 -2.47	51.31 -0.71 -3.12	96.59 -0.77 -10.12	132.90 0.08 -58.82	58.81 0.46 -31.57	60.88 0.56 -29.16	133.01 1.04 -50.74	95.70 1.14 -8.74	131.81 0.80 -7.68	104.13 0.36 -6.51	97.11 0.27 -0.09
MILLIKEN___2 23585	84.70 0.49 -12.01	99.25 0.61 -4.70	107.61 0.34 -6.22	63.34 0.15 -21.30	70.30 0.44 -5.64	45.78 0.40 -15.28	79.14 1.10 -20.00	64.93 0.76 -27.74	81.68 1.03 -10.94	50.02 0.05 -16.89	46.32 -0.19 -11.81	41.90 -0.44 -5.19	41.06 -0.47 -2.36	41.16 -0.57 -2.47	51.31 -0.71 -3.12	96.59 -0.77 -10.12	132.90 0.08 -58.82	58.81 0.46 -31.57	60.88 0.56 -29.16	133.01 1.04 -50.74	95.70 1.14 -8.74	131.81 0.80 -7.68	104.13 0.36 -6.51	97.11 0.27 -0.09
MILLIKEN___DIESEL 23629	84.70 0.49 -12.01	99.25 0.61 -4.70	107.61 0.34 -6.22	63.34 0.15 -21.30	70.30 0.44 -5.64	45.78 0.40 -15.28	79.14 1.10 -20.00	64.93 0.76 -27.74	81.68 1.03 -10.94	50.02 0.05 -16.89	46.32 -0.19 -11.81	41.90 -0.44 -5.19	41.06 -0.47 -2.36	41.16 -0.57 -2.47	51.31 -0.71 -3.12	96.59 -0.77 -10.12	132.90 0.08 -58.82	58.81 0.46 -31.57	60.88 0.56 -29.16	133.01 1.04 -50.74	95.70 1.14 -8.74	131.81 0.80 -7.68	104.13 0.36 -6.51	97.11 0.27 -0.09
MILLSEAT___LFGE 323607	57.90 -5.42 8.87	77.35 -7.05 9.54	82.88 -8.08 10.09	34.94 -3.53 3.41	59.06 -4.83 0.33	28.54 -2.02 -0.47	55.87 -3.19 -1.02	35.81 -2.39 -1.78	55.14 -4.70 9.86	29.48 -2.80 0.79	30.64 -3.37 0.69	31.05 -3.83 2.27	29.38 -4.17 5.61	29.64 -5.30 5.23	38.30 -9.20 5.30	66.80 -9.20 11.23	46.18 -7.46 20.36	27.94 -2.31 -3.49	33.66 -2.52 -5.02	56.19 -7.11 17.93	73.95 -6.22 5.65	101.78 -9.76 11.79	83.56 -7.58 6.12	89.70 -6.84 0.22
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	80.42 4.55 -3.67	103.19 5.65 -3.60	107.02 5.97 0.00	78.12 2.57 -33.67	88.79 3.92 -20.65	75.58 1.97 -43.51	136.47 3.99 -74.44	144.48 2.68 -105.38	98.86 5.01 -24.14	88.76 2.45 -53.25	81.67 2.67 -44.31	56.63 2.89 -16.59	42.11 2.95 0.00	42.91 3.04 -0.62	55.67 3.80 -2.97	93.61 6.37 0.00	100.00 5.34 -20.65	142.25 2.06 -113.42	150.87 2.38 -117.33	118.82 5.90 -31.70	115.23 6.03 -23.37	131.39 8.06 0.00	108.62 6.19 -5.18	102.55 5.79 0.00
MILLWOOD_13_KV_LOAD 356217	80.51 4.65 -3.67	103.33 5.79 -3.60	107.17 6.11 0.00	78.17 2.62 -33.67	88.90 4.02 -20.65	75.62 2.01 -43.51	136.56 4.08 -74.44	144.54 2.74 -105.38	98.98 5.14 -24.14	88.81 2.50 -53.25	81.73 2.73 -44.31	56.68 2.93 -16.59	42.16 3.00 0.00	42.97 3.09 -0.62	55.75 3.87 -2.97	93.73 6.49 0.00	100.12 5.46 -20.65	142.31 2.11 -113.42	150.93 2.44 -117.33	118.99 6.06 -31.70	115.37 6.17 -23.37	131.58 8.25 0.00	108.74 6.30 -5.18	102.68 5.92 0.00
MODEL_CITY_ENERGY 24167	53.34 -7.82 11.03	71.55 -10.14 12.25	76.91 -11.42 12.72	32.07 -4.97 4.84	56.08 -7.07 1.07	26.41 -3.11 0.58	51.21 -5.45 1.38	30.72 -4.01 1.69	47.88 -7.62 14.21	26.10 -3.97 2.99	27.86 -4.44 2.39	28.85 -4.90 3.41	26.55 -5.31 7.31	26.62 -5.61 7.03	34.85 -6.83 7.22	60.29 -12.16 14.79	37.81 -10.62 25.58	23.30 -3.65 -0.17	29.07 -4.09 -2.00	46.72 -11.04 23.47	67.30 -10.02 8.49	92.72 -14.93 15.68	77.67 -11.36 8.22	86.16 -10.32 0.28
MODERN_LFGE___ 323580	53.34 -7.82 11.03	71.55 -10.14 12.25	76.91 -11.42 12.72	32.07 -4.97 4.84	56.08 -7.07 1.07	26.41 -3.11 0.58	51.21 -5.45 1.38	30.72 -4.01 1.69	47.88 -7.62 14.21	26.10 -3.97 2.99	27.86 -4.44 2.39	28.85 -4.90 3.41	26.55 -5.31 7.31	26.62 -5.61 7.03	34.85 -6.83 7.22	60.29 -12.16 14.79	37.81 -10.62 25.58	23.30 -3.65 -0.17	29.07 -4.09 -2.00	46.72 -11.04 23.47	67.30 -10.02 8.49	92.72 -14.93 15.68	77.67 -11.36 8.22	86.16 -10.32 0.28
MOHAWK_PAPER___DRP 24187	87.47 3.87 -11.40	103.31 4.91 -4.46	106.19 5.14 0.00	89.36 2.23 -45.24	104.11 3.43 -36.46	115.04 1.61 -83.33	227.92 3.04 -166.84	226.69 1.91 -188.36	116.77 3.74 -43.33	100.77 1.79 -65.92	91.35 1.80 -54.85	59.61 1.91 -20.54	41.04 1.87 0.00	41.92 1.89 -0.77	54.98 2.40 -3.68	91.45 4.21 0.00	103.29 3.72 -25.56	168.51 1.32 -140.42	177.96 1.55 -145.25	128.23 4.02 -42.98	124.20 4.30 -34.07	129.27 5.94 0.00	108.59 4.92 -6.41	101.52 4.76 0.00
MOHICAN___35_KV_115KV_LD 80490	95.03 7.08 -15.75	107.65 9.15 -4.57	110.76 9.71 0.00	94.45 4.11 -48.46	114.51 6.48 -43.81	136.11 3.18 -102.83	278.97 6.56 -214.37	265.40 4.05 -224.93	129.14 7.26 -52.17	103.74 3.14 -67.54	93.89 2.99 -56.20	61.13 2.93 -21.05	42.01 2.84 0.00	42.95 2.91 -0.79	56.66 3.99 -3.77	95.14 7.90 0.00	107.46 7.26 -26.19	173.48 2.84 -143.87	183.29 3.32 -148.82	135.85 8.43 -46.20	132.52 8.81 -37.88	135.42 12.09 0.00	112.95 9.12 -6.57	105.64 8.89 0.00
MONGAUP___HYD 23641	80.32 4.75 -3.37	103.26 6.01 -3.31	107.37 6.31 0.00	75.51 2.68 -30.95	87.37 4.17 -18.98	72.17 2.10 -39.98	130.78 4.38 -68.36	136.23 3.00 -96.81	97.22 5.34 -22.18	83.99 1.98 -48.95	77.22 1.80 -40.73	54.19 1.78 -15.25	41.17 2.01 0.00	41.89 2.07 -0.57	54.23 2.60 -2.73	91.73 4.49 0.00	97.67 4.68 -18.98	132.81 1.76 -104.27	141.17 2.15 -107.86	116.26 5.89 -29.14	113.44 6.14 -21.48	131.50 8.17 0.00	108.17 6.15 -4.76	102.40 5.65 0.00
MONTAUK___DIESEL 23721	84.13 8.24 -3.69	108.38 10.82 -3.62	112.48 11.42 0.00	80.65 4.91 -33.86	92.47 7.48 -20.77	77.36 3.51 -43.76	139.97 7.07 -74.85	146.70 4.30 -105.98	101.77 7.79 -24.27	90.44 3.82 -53.55	83.35 4.10 -44.56	57.96 4.12 -16.69	43.54 4.38 0.00	44.55 4.67 -0.63	70.65 6.11 -15.65	129.34 10.45 -31.64	145.89 9.27 -62.62	156.96 3.61 -126.58	153.19 4.04 -118.00	123.38 10.28 -31.88	119.89 10.56 -23.50	137.77 14.43 0.00	113.41 10.94 -5.21	107.07 10.31 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	52.67 -7.77 11.76	71.67 -9.94 12.33	77.29 -10.68 13.09	31.72 -4.93 5.23	56.36 -7.21 0.65	26.96 -3.14 0.00	52.42 -5.11 0.51	32.30 -3.70 0.42	47.81 -6.96 14.93	26.61 -3.70 2.75	28.77 -4.23 1.70	29.07 -4.97 3.11	26.23 -5.35 7.59	26.26 -5.47 7.53	34.44 -6.76 7.70	59.10 -11.80 16.34	33.22 -9.86 30.92	24.49 -3.41 -1.13	30.74 -3.85 -3.44	42.78 -10.64 27.80	66.83 -10.18 8.80	90.96 -15.32 17.05	76.63 -11.71 8.91	85.50 -10.97 0.29



MORRIS_RIDGE___SOLAR 323848	5.39 -6.03 60.78	7.55 -7.85 78.53	16.47 -8.91 75.68	-1.29 -3.74 39.43	36.76 -5.32 22.14	-3.23 -2.24 31.09	-9.41 -3.85 63.60	-58.64 -2.41 92.65	-47.97 -5.10 112.57	-27.60 -2.87 57.80	-17.25 -3.27 48.67	-0.17 -3.91 33.42	-11.36 -4.04 46.49	-11.50 -4.16 46.60	-5.82 -5.05 49.67	-11.37 -8.90 89.71	-52.99 -7.12 119.87	-60.57 -2.11 85.23	-51.07 -2.39 79.84	-56.02 -6.84 130.41	4.84 -6.79 74.19	13.35 -10.56 99.42	34.81 -8.28 54.17	86.77 -8.23 1.75
MORTIMER_115KV_TB3 55949	66.77 -3.88 1.55	89.33 -5.06 -0.44	94.79 -5.80 0.46	40.97 -2.49 -1.58	62.67 -3.38 -1.82	31.33 -1.42 -2.65	61.43 -2.21 -5.60	44.91 -1.53 -10.01	68.84 -3.17 -2.31	37.38 -1.82 -6.13	38.06 -2.12 -5.48	36.71 -2.49 -2.04	36.43 -2.77 -0.04	36.52 -2.89 -0.16	45.83 -3.52 -0.45	80.34 -5.99 0.91	62.75 -4.78 6.47	38.88 -1.40 -13.52	44.13 -1.56 -14.53	73.30 -4.71 3.21	84.19 -4.31 -2.67	116.08 -6.92 0.34	92.08 -5.38 -0.21	91.84 -4.92 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	80.90 5.01 -3.69	103.73 6.17 -3.62	107.60 6.54 0.00	78.57 2.82 -33.87	89.31 4.31 -20.78	76.03 2.16 -43.78	137.26 4.33 -74.89	145.37 2.92 -106.02	99.55 5.56 -24.28	89.39 2.76 -53.57	82.33 3.06 -44.58	57.18 3.33 -16.70	42.59 3.43 0.00	43.39 3.51 -0.63	56.27 4.37 -2.99	94.48 7.24 0.00	100.72 5.94 -20.78	143.16 2.26 -114.12	151.80 2.60 -118.05	119.56 6.43 -31.90	115.91 6.57 -23.51	132.17 8.83 0.00	109.23 6.77 -5.21	103.12 6.36 0.00
MUNSVILLE_WIND_PWR 323609	84.80 4.68 -7.91	104.17 6.28 -3.95	111.12 6.15 -3.91	62.93 2.59 -18.45	76.44 3.99 -8.23	51.53 2.10 -19.34	94.23 4.76 -31.43	80.50 3.00 -41.08	86.99 4.53 -12.76	54.84 1.42 -20.36	51.76 1.24 -15.83	44.36 0.73 -6.47	41.75 0.76 -1.82	41.49 0.34 -1.90	52.30 0.68 -2.72	95.41 2.16 -6.00	111.98 3.01 -34.96	69.04 1.51 -40.75	73.19 1.71 -40.33	119.08 4.18 -33.67	101.00 4.69 -10.49	134.19 5.96 -4.89	105.81 3.63 -4.92	99.65 2.83 -0.06
N SALMON___HYD 24042	72.41 0.21 0.00	94.09 0.15 0.00	101.21 0.15 0.00	41.87 -0.02 0.00	64.01 -0.21 0.00	29.70 -0.40 0.00	57.03 -1.01 0.00	35.74 -0.69 0.00	67.64 -1.17 0.89	32.68 -0.60 -0.22	35.37 -0.54 -1.22	40.53 -0.54 -3.92	41.73 -0.47 -3.04	41.24 -0.39 -2.38	50.32 -0.34 -1.75	87.09 -0.60 -0.46	77.81 -0.75 -4.55	29.34 -0.55 -3.11	18.94 -0.59 11.63	55.04 -1.10 25.08	75.21 -1.01 9.61	122.82 -0.51 0.00	96.76 -1.00 -0.51	96.49 -0.27 0.00
N.AKRON__115KV_KNAPP 355671	56.66 -6.03 9.50	75.75 -7.84 10.34	81.28 -8.91 10.87	34.16 -3.89 3.83	58.35 -5.31 0.56	27.95 -2.29 -0.15	54.73 -3.74 -0.43	34.59 -2.76 -0.93	53.40 -5.43 10.88	28.71 -3.04 1.32	30.07 -3.46 1.17	30.49 -4.05 2.62	28.70 -4.41 6.06	29.02 -4.58 5.65	37.68 -5.47 5.75	65.40 -9.79 12.05	44.35 -8.16 21.50	26.93 -2.58 -2.74	32.62 -2.86 -4.32	53.97 -8.12 19.13	72.30 -7.20 6.33	99.52 -11.12 12.69	82.13 -8.51 6.62	88.92 -7.60 0.24
N.BELMOR_69_KV_BK1 55787	81.91 6.03 -3.69	105.12 7.55 -3.62	108.98 7.92 0.00	79.11 3.37 -33.86	90.13 5.14 -20.77	76.37 2.51 -43.76	137.92 5.02 -74.85	145.55 3.16 -105.98	99.94 5.97 -24.27	89.60 2.99 -53.55	82.60 3.35 -44.56	57.39 3.55 -16.69	42.86 3.70 0.00	43.70 3.82 -0.63	69.43 4.88 -15.65	127.20 8.31 -31.64	143.55 6.92 -62.62	156.00 2.65 -126.58	152.16 3.00 -118.00	120.71 7.60 -31.88	117.14 7.82 -23.50	134.00 10.66 0.00	110.50 8.04 -5.21	104.29 7.53 0.00
N.E_GEN_SANDY PD 24062	95.41 4.50 -18.71	103.29 5.66 -3.70	107.07 6.02 0.00	89.15 2.58 -44.69	96.06 3.97 -27.87	106.93 1.91 -74.92	166.88 3.72 -105.12	173.63 2.34 -134.87	105.23 4.53 -31.00	95.49 2.25 -60.17	87.88 2.36 -50.84	58.40 2.49 -18.75	43.96 2.42 -2.37	49.00 2.50 -7.24	57.32 3.23 -5.19	92.82 5.58 0.00	105.17 4.77 -26.40	152.55 1.75 -124.02	167.11 2.06 -133.89	136.06 5.24 -49.59	120.67 5.50 -29.34	130.66 7.45 0.13	107.46 5.87 -4.33	106.49 5.70 -4.03
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	79.93 4.18 -3.55	102.64 5.21 -3.49	106.54 5.48 0.00	76.91 2.37 -32.66	87.86 3.61 -20.03	74.13 1.83 -42.20	133.96 3.74 -72.17	141.15 2.53 -102.20	97.79 4.67 -23.41	86.98 2.26 -51.66	80.14 2.46 -42.99	55.89 2.64 -16.10	41.88 2.71 0.00	42.66 2.80 -0.60	55.28 3.49 -2.88	93.08 5.84 0.00	99.03 4.99 -20.03	138.75 1.93 -110.04	147.25 2.26 -113.84	117.55 5.57 -30.76	114.16 5.67 -22.67	130.86 7.53 0.00	108.03 5.75 -5.03	102.09 5.34 0.00
N.QUEENS_27_KV_LOAD 356247	81.11 5.23 -3.69	103.94 6.38 -3.62	107.70 6.64 0.00	78.65 2.90 -33.87	89.38 4.38 -20.78	76.08 2.20 -43.78	137.34 4.42 -74.88	145.54 3.11 -106.02	100.03 6.03 -24.28	89.50 2.87 -53.57	82.46 3.19 -44.58	57.43 3.58 -16.70	42.82 3.66 0.00	43.63 3.75 -0.63	56.48 4.59 -2.99	94.68 7.45 0.00	101.03 6.25 -20.77	143.21 2.32 -114.11	151.84 2.63 -118.05	119.82 6.70 -31.89	116.20 6.87 -23.51	132.54 9.20 0.00	109.37 6.90 -5.21	103.34 6.59 0.00
N.TROY___115KV_TB1 355778	89.94 4.25 -13.49	103.86 5.44 -4.48	106.81 5.75 0.00	90.90 2.47 -46.55	107.93 3.84 -39.88	124.39 1.82 -92.48	251.02 3.56 -189.43	244.55 2.20 -205.93	121.55 4.16 -47.69	101.37 2.01 -66.30	91.86 2.00 -55.17	59.87 2.05 -20.66	41.14 1.98 0.00	42.05 2.02 -0.78	55.28 2.68 -3.70	92.08 4.84 0.00	103.98 4.26 -25.71	169.60 1.59 -141.24	179.13 1.87 -146.10	130.38 4.78 -44.37	126.80 5.14 -35.83	130.37 7.03 0.00	109.22 5.51 -6.45	102.14 5.38 0.00
NARROWS_GT1_1 24228	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT1_2 24229	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT1_3 24230	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT1_4 24231	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98



NARROWS_GT1_5 24232	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT1_6 24233	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT1_7 24234	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT1_8 24235	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_1 24236	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_2 24237	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_3 24238	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_4 24239	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_5 24240	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_6 24241	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_7 24242	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NARROWS_GT2_8 24243	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	84.65 5.05 -7.40	104.79 6.63 -4.22	108.03 6.98 0.00	85.85 2.90 -41.07	97.89 4.54 -29.13	96.52 2.11 -64.32	181.61 4.06 -119.51	183.60 2.46 -144.72	108.01 4.68 -33.63	97.33 1.85 -62.42	88.21 1.57 -51.94	58.25 1.64 -19.45	40.78 1.62 0.00	41.58 1.59 -0.73	54.36 1.98 -3.48	91.26 4.02 0.00	102.41 4.19 -24.21	161.33 1.59 -132.97	170.57 1.87 -137.55	124.72 4.85 -38.64	120.46 5.21 -29.43	130.69 7.35 0.00	109.39 6.06 -6.07	103.00 6.24 0.00
NCHELSEA_115KV_TR2 355582	81.15 5.22 -3.73	104.13 6.56 -3.63	107.98 6.92 0.00	78.77 2.95 -33.93	89.64 4.55 -20.87	76.36 2.26 -44.00	138.08 4.65 -75.38	145.94 3.14 -106.37	99.94 5.85 -24.38	89.44 2.74 -53.63	82.25 2.93 -44.63	56.99 3.12 -16.72	42.35 3.19 0.00	43.14 3.26 -0.63	56.02 4.13 -2.99	94.47 7.23 0.00	101.11 6.30 -20.80	143.42 2.39 -114.25	152.14 2.80 -118.19	120.13 6.95 -31.95	116.57 7.18 -23.57	132.93 9.59 0.00	109.75 7.27 -5.22	103.60 6.85 0.00
NEG CAPITAL___MECHNVIL 23645	92.72 5.41 -15.11	105.47 6.99 -4.54	108.43 7.37 0.00	92.91 3.14 -47.89	111.80 4.91 -42.67	132.32 2.37 -99.85	270.06 4.81 -207.21	258.84 2.98 -219.45	126.02 5.44 -50.88	102.64 2.44 -67.14	92.93 2.37 -55.87	60.49 2.41 -20.92	41.53 2.37 0.00	42.44 2.40 -0.79	55.87 3.23 -3.75	93.35 6.12 0.00	105.63 5.59 -26.04	171.95 2.16 -143.02	181.62 2.52 -147.95	133.29 6.41 -45.65	129.87 6.77 -37.28	132.60 9.26 0.00	110.87 7.08 -6.53	103.60 6.84 0.00



NEG CENTRAL_HIGH_ACRES 23767	66.71 -4.36 1.12	88.68 -5.69 -0.43	94.32 -6.40 0.34	41.26 -2.71 -2.09	62.23 -3.75 -1.76	31.26 -1.59 -2.75	60.77 -2.59 -5.32	44.22 -1.72 -9.52	68.22 -3.53 -2.04	37.03 -2.00 -5.97	37.63 -2.34 -5.27	36.51 -2.62 -1.97	36.26 -2.91 0.00	36.30 -3.03 -0.07	45.56 -3.70 -0.35	80.20 -6.27 0.77	64.80 -4.95 4.25	38.28 -1.51 -13.02	43.36 -1.69 -13.90	74.61 -4.96 1.66	83.57 -4.71 -2.46	114.86 -8.10 0.37	91.51 -5.99 -0.24	91.11 -5.64 0.00
NEG CENTRAL____DRP 24199	73.06 -1.64 -2.50	97.43 -2.19 -5.68	102.73 -2.69 -4.37	45.21 -1.03 -4.36	67.39 -1.29 -4.46	37.09 -0.35 -7.35	72.14 -0.35 -14.45	57.36 -0.19 -21.12	79.85 -0.77 -10.91	43.12 -0.70 -10.76	43.28 -0.98 -9.57	40.42 -1.32 -4.59	40.84 -1.40 -3.07	40.97 -1.45 -3.16	50.80 -1.79 -3.70	88.84 -2.87 -4.47	70.78 -1.78 1.45	47.61 -0.24 -21.08	52.94 -0.26 -22.04	83.70 -1.17 -3.64	92.90 -1.19 -8.26	126.42 -2.77 -5.86	98.61 -2.27 -3.62	94.82 -2.05 -0.11
NEG CENTRAL____INDECK 23768	107.68 -1.96 -37.44	148.28 -2.57 -56.91	149.48 -3.24 -51.67	68.67 -1.39 -28.17	84.84 -1.74 -22.36	62.19 -0.52 -32.62	126.37 -0.20 -68.54	135.53 -0.13 -99.23	156.49 -0.91 -87.69	87.10 -1.37 -55.41	81.23 -1.96 -48.50	63.70 -2.42 -28.96	69.61 -2.60 -33.04	69.77 -2.79 -33.30	81.77 -3.35 -36.21	140.51 -5.56 -58.83	120.21 -3.62 -49.82	119.70 -0.48 -93.40	124.11 -0.41 -93.36	149.92 -1.68 -70.37	144.59 -1.35 -60.11	188.40 -3.22 -68.28	132.30 -2.73 -37.78	95.37 -2.63 -1.24
NEG CENTRAL____SENECA 23627	73.40 -2.02 -3.22	100.09 -2.70 -8.85	104.57 -3.30 -6.81	44.68 -1.24 -4.03	68.47 -1.56 -5.81	38.36 -0.44 -8.70	76.26 -0.41 -18.63	63.32 -0.25 -27.15	84.63 -0.97 -15.89	45.81 -0.87 -13.62	45.97 -1.19 -12.47	41.81 -1.61 -6.27	42.38 -1.69 -4.90	42.52 -1.74 -5.00	52.50 -2.12 -5.71	90.55 -3.46 -6.77	65.07 -2.15 6.78	52.67 -0.33 -26.23	58.51 -0.36 -27.71	81.09 -1.50 -1.36	96.01 -1.51 -11.70	128.96 -3.55 -9.18	99.81 -2.73 -5.28	94.57 -2.37 -0.18
NEG CENTRAL____STATE_STREET 24147	73.08 -0.59 -1.47	93.57 -0.82 -0.46	100.19 -1.16 -0.29	47.20 -0.45 -5.77	66.43 -0.46 -2.67	36.20 -0.02 -6.12	67.24 0.16 -9.04	49.87 0.15 -13.30	72.80 -0.02 -3.11	39.87 -0.31 -7.12	39.81 -0.53 -5.65	38.52 -0.75 -2.12	38.33 -0.84 0.00	38.45 -0.89 -0.08	48.06 -1.22 -0.38	86.15 -1.77 -0.68	81.72 -0.78 -8.49	41.73 0.09 -14.86	46.28 0.13 -15.00	89.68 -0.13 -8.58	88.76 -0.06 -2.99	122.53 -1.13 -0.33	97.09 -1.15 -0.99	95.79 -0.97 0.00
NEG MILLWOOD____DRP 24198	81.56 5.61 -3.75	104.61 7.01 -3.66	108.47 7.41 0.00	79.28 3.16 -34.24	90.12 4.87 -21.03	76.87 2.44 -44.33	138.95 4.99 -75.91	147.06 3.38 -107.26	100.58 6.30 -24.58	90.17 2.98 -54.12	82.93 3.20 -45.04	57.42 3.40 -16.87	42.66 3.49 0.00	43.44 3.55 -0.63	56.40 4.48 -3.02	94.99 7.75 0.00	101.67 6.68 -20.99	144.62 2.56 -115.29	153.41 3.00 -119.26	120.96 7.49 -32.24	117.26 7.66 -23.77	133.60 10.27 0.00	110.33 7.80 -5.27	104.07 7.31 0.00
NEG NORTH_FLCN_SEA 23793	72.09 -0.11 0.00	93.62 -0.32 0.00	100.55 -0.51 0.00	41.56 -0.32 0.00	63.38 -0.84 0.00	29.40 -0.70 0.00	56.32 -1.72 0.00	35.29 -1.13 0.00	66.63 -2.12 0.96	27.18 -1.10 4.79	14.80 -1.07 18.82	-24.62 -1.09 60.69	-8.86 -1.04 46.98	1.41 -1.02 36.83	20.55 -1.22 27.14	78.23 -1.94 7.08	1.63 -1.92 70.45	-23.96 -0.98 49.75	-17.61 -1.11 47.66	29.57 -2.36 49.29	73.19 -2.36 10.28	120.57 -2.76 0.00	86.83 -2.56 7.87	95.25 -1.50 0.00
NEG NORTH_KES_CHATEGAY 23792	71.14 -1.06 0.00	92.38 -1.56 0.00	99.47 -1.59 0.00	41.15 -0.73 0.00	62.83 -1.39 0.00	29.16 -0.93 0.00	55.87 -2.17 0.00	35.01 -1.41 0.00	66.23 -2.54 0.94	32.18 -1.25 -0.37	35.24 -1.29 -1.83	41.80 -1.27 -5.91	42.47 -1.27 -4.58	41.61 -1.23 -3.59	50.16 -1.38 -2.64	85.60 -2.32 -0.69	78.65 -2.22 -6.86	30.41 -1.10 -4.73	18.67 -1.23 11.25	52.77 -2.72 25.74	73.09 -2.63 10.10	120.18 -3.15 0.00	95.09 -2.93 -0.77	94.51 -2.25 0.00
NEG NORTH____ALICE_FALLS 23915	72.33 0.13 0.00	93.92 -0.02 0.00	100.92 -0.14 0.00	41.73 -0.15 0.00	63.73 -0.48 0.00	29.59 -0.51 0.00	56.78 -1.26 0.00	35.60 -0.83 0.00	67.20 -1.56 0.95	35.41 -0.84 -3.19	46.96 -0.83 -13.10	78.56 -0.85 -42.25	71.06 -0.81 -32.71	64.10 -0.79 -25.64	66.91 -0.88 -18.89	90.92 -1.25 -4.93	121.78 -1.28 -49.05	60.51 -0.72 -34.46	38.61 -0.80 -8.25	66.05 -1.61 13.57	74.01 -1.56 10.25	121.63 -1.71 0.00	100.94 -1.80 -5.48	95.82 -0.94 0.00
NEG NORTH____LWR_SARANAC 23913	72.33 0.13 0.00	93.92 -0.02 0.00	100.92 -0.14 0.00	41.73 -0.15 0.00	63.73 -0.48 0.00	29.59 -0.51 0.00	56.78 -1.26 0.00	35.60 -0.83 0.00	67.20 -1.56 0.95	35.41 -0.84 -3.19	46.96 -0.83 -13.10	78.56 -0.85 -42.25	71.06 -0.81 -32.71	64.10 -0.79 -25.64	66.91 -0.88 -18.89	90.92 -1.25 -4.93	121.78 -1.28 -49.05	60.51 -0.72 -34.46	38.61 -0.80 -8.25	66.05 -1.61 13.57	74.01 -1.56 10.25	121.63 -1.71 0.00	100.94 -1.80 -5.48	95.82 -0.94 0.00
NEG NORTH____PLATTSBURG 23628	72.33 0.13 0.00	93.92 -0.02 0.00	100.92 -0.14 0.00	41.74 -0.15 0.00	63.73 -0.48 0.00	29.59 -0.51 0.00	56.77 -1.27 0.00	35.60 -0.82 0.00	67.20 -1.56 0.95	35.41 -0.83 -3.19	46.98 -0.81 -13.10	78.56 -0.85 -42.25	71.06 -0.82 -32.71	64.10 -0.80 -25.64	66.91 -0.88 -18.89	90.91 -1.25 -4.93	121.78 -1.28 -49.05	60.52 -0.72 -34.46	38.61 -0.80 -8.25	66.06 -1.60 13.57	74.01 -1.56 10.25	121.63 -1.70 0.00	100.94 -1.80 -5.48	95.84 -0.92 0.00
NEG WEST_LEA_LOCKPORT 23791	53.15 -7.86 11.18	71.23 -10.20 12.50	76.65 -11.46 12.94	31.94 -4.98 4.97	56.06 -6.97 1.19	26.23 -3.11 0.76	46.10 -5.42 6.51	23.11 -3.88 9.43	38.64 -7.49 23.57	21.48 -3.91 7.67	26.44 -4.29 3.96	28.69 -4.92 3.55	24.74 -5.34 9.09	22.92 -5.56 10.78	30.91 -6.77 11.22	52.86 -11.99 22.39	26.37 -10.28 37.35	14.33 -3.43 9.02	21.27 -3.85 6.04	33.47 -10.65 37.10	61.52 -9.79 14.51	84.67 -14.69 23.97	73.73 -11.18 12.35	86.33 -10.14 0.29
NEG WEST____LANCASTER 23811	54.89 -5.46 11.86	74.32 -7.04 12.58	79.67 -8.08 13.30	33.04 -3.69 5.15	58.57 -4.97 0.67	27.95 -2.19 -0.04	53.78 -3.70 0.56	33.19 -2.73 0.50	49.41 -5.06 15.23	27.37 -2.93 2.77	29.76 -3.18 1.75	30.30 -3.67 3.19	27.77 -3.66 7.73	27.85 -3.72 7.68	36.54 -4.50 7.86	62.65 -8.03 16.55	36.22 -7.08 30.70	25.49 -2.41 -1.13	31.92 -2.66 -3.43	46.37 -7.12 27.74	70.30 -6.52 8.99	96.27 -9.72 17.34	80.81 -7.39 9.05	89.52 -6.95 0.29
NEG_PENN_ALLEGHNY 23528	71.89 -0.41 -0.10	94.63 -0.47 -1.16	99.86 -0.82 0.38	50.57 -0.37 -9.06	70.83 -0.36 -6.97	44.30 -0.02 -14.22	84.23 0.27 -25.92	72.11 0.21 -35.48	78.02 0.16 -8.15	49.59 -0.24 -16.77	48.70 -0.30 -14.31	42.03 -0.49 -5.36	38.78 -0.39 0.00	39.00 -0.46 -0.20	49.35 -0.51 -0.96	85.52 -0.83 0.88	72.37 -0.69 0.95	62.93 0.04 -36.13	69.04 0.03 -37.85	85.30 -0.38 -4.45	93.30 -0.21 -7.69	122.13 -0.78 0.42	97.84 -0.67 -1.25	95.98 -0.78 0.00
NEG____GEN_MONROE 24207	66.96 -3.66 1.58	89.62 -4.77 -0.45	95.09 -5.49 0.47	41.06 -2.39 -1.57	62.90 -3.16 -1.84	31.48 -1.29 -2.67	61.83 -1.90 -5.69	45.22 -1.37 -10.16	69.22 -2.88 -2.40	37.51 -1.77 -6.22	38.08 -2.15 -5.54	36.67 -2.54 -2.06	36.38 -2.84 -0.05	36.46 -2.98 -0.19	45.75 -3.64 -0.49	80.23 -6.14 0.87	62.73 -4.73 6.54	39.16 -1.32 -13.70	44.46 -1.43 -14.73	73.59 -4.41 3.22	84.68 -3.89 -2.74	116.68 -6.37 0.28	92.48 -5.01 -0.24	92.22 -4.53 0.00



NEPA__ENERGY 23901	50.15 -6.90 15.14	67.69 -8.92 17.33	73.43 -9.94 17.68	29.83 -4.43 7.62	55.57 -6.19 2.46	24.77 -2.73 2.59	47.47 -4.55 6.02	24.84 -3.21 8.37	40.92 -6.29 22.50	22.43 -3.37 7.27	25.29 -3.77 5.63	27.20 -4.42 5.54	23.91 -4.75 10.50	23.91 -4.88 10.46	32.05 -5.98 10.87	55.06 -10.56 21.62	29.28 -8.91 35.81	17.59 -2.92 6.25	24.01 -3.27 3.87	37.79 -9.17 34.27	63.37 -8.52 13.92	87.32 -12.90 23.11	75.23 -9.79 12.24	87.20 -9.16 0.40
NEVERSINK__HYD 23608	79.39 3.66 -3.53	101.87 4.64 -3.29	105.96 4.90 0.00	74.81 2.08 -30.84	86.66 3.29 -19.15	72.31 1.69 -40.52	131.50 3.61 -69.85	136.32 2.46 -97.44	96.43 4.38 -22.35	83.61 1.92 -48.63	77.09 1.93 -40.47	54.28 1.97 -15.16	41.22 2.06 0.00	41.86 2.04 -0.57	54.22 2.61 -2.72	92.00 4.76 0.00	97.44 4.57 -18.86	132.19 1.82 -103.60	140.45 2.13 -107.17	115.55 5.29 -29.04	112.66 5.37 -21.46	130.29 6.96 0.00	107.08 5.09 -4.73	101.36 4.61 0.00
NEWKRMKL_115KV_TB1 55635	86.20 3.32 -10.68	102.62 4.23 -4.45	105.40 4.35 0.00	88.59 1.93 -44.78	102.41 2.92 -35.27	111.61 1.37 -80.14	218.30 2.49 -157.77	216.13 1.47 -178.24	113.95 3.07 -41.18	100.30 1.45 -65.78	90.89 1.45 -54.74	59.27 1.62 -20.50	40.75 1.59 0.00	41.60 1.57 -0.77	54.45 1.88 -3.67	90.39 3.15 0.00	102.27 2.76 -25.51	167.80 0.90 -140.13	177.16 1.05 -144.96	126.32 2.78 -42.32	121.97 2.94 -33.21	127.43 4.10 0.00	107.58 3.92 -6.40	100.57 3.82 0.00
NEWTON__FALLS_HYD 23847	72.41 0.22 0.00	94.58 0.55 -0.09	101.06 0.00 0.00	42.51 -0.19 -0.82	64.40 -0.20 -0.38	30.19 -0.62 -0.72	57.86 -1.33 -1.15	37.56 -0.91 -2.06	67.90 -1.74 0.06	33.48 -0.91 -1.32	34.83 -1.00 -1.14	36.45 -1.13 -0.43	38.07 -1.09 0.00	38.58 -0.69 -0.02	48.06 -0.92 -0.08	85.48 -1.76 0.00	73.26 -1.27 -0.53	29.13 -0.51 -2.86	25.86 -0.57 4.73	65.69 -1.43 14.10	79.42 -1.52 4.87	123.13 -0.21 0.00	96.26 -1.13 -0.13	95.72 -1.03 0.00
NGRID_A1_DSASP 323792	52.83 -8.11 11.27	70.91 -10.49 12.54	76.24 -11.80 13.01	31.77 -5.13 4.99	55.81 -7.27 1.14	26.17 -3.25 0.68	50.23 -5.65 2.16	29.58 -4.00 2.85	46.33 -7.71 15.67	25.30 -4.05 3.71	27.44 -4.54 2.71	28.61 -5.01 3.53	26.07 -5.42 7.67	25.95 -5.68 7.62	34.11 -6.94 7.85	58.90 -12.35 15.99	35.91 -10.70 27.40	22.03 -3.62 1.12	27.99 -4.02 -0.86	44.62 -11.08 25.52	66.17 -10.22 9.43	91.05 -15.30 16.99	76.57 -11.79 8.89	85.53 -10.94 0.29
NGRID_A2_DSASP 323793	52.83 -8.11 11.27	70.91 -10.49 12.54	76.24 -11.80 13.01	31.77 -5.13 4.99	55.81 -7.27 1.14	26.17 -3.25 0.68	50.23 -5.65 2.16	29.58 -4.00 2.85	46.33 -7.71 15.67	25.30 -4.05 3.71	27.44 -4.54 2.71	28.61 -5.01 3.53	26.07 -5.42 7.67	25.95 -5.68 7.62	34.11 -6.94 7.85	58.90 -12.35 15.99	35.91 -10.70 27.40	22.03 -3.62 1.12	27.99 -4.02 -0.86	44.62 -11.08 25.52	66.17 -10.22 9.43	91.05 -15.30 16.99	76.57 -11.79 8.89	85.53 -10.94 0.29
NGRID_A4_DSASP 323807	52.83 -8.11 11.27	70.91 -10.49 12.54	76.24 -11.80 13.01	31.77 -5.13 4.99	55.81 -7.27 1.14	26.17 -3.25 0.68	50.23 -5.65 2.16	29.58 -4.00 2.85	46.33 -7.71 15.67	25.30 -4.05 3.71	27.44 -4.54 2.71	28.61 -5.01 3.53	26.07 -5.42 7.67	25.95 -5.68 7.62	34.11 -6.94 7.85	58.90 -12.35 15.99	35.91 -10.70 27.40	22.03 -3.62 1.12	27.99 -4.02 -0.86	44.62 -11.08 25.52	66.17 -10.22 9.43	91.05 -15.30 16.99	76.57 -11.79 8.89	85.53 -10.94 0.29
NIAGARA_115E_LBMP 323715	52.82 -8.06 11.31	70.92 -10.44 12.58	76.27 -11.74 13.05	31.76 -5.10 5.02	55.77 -7.30 1.15	26.19 -3.22 0.69	50.52 -5.69 1.83	29.87 -4.21 2.34	46.71 -7.93 15.07	25.54 -4.11 3.42	27.51 -4.55 2.63	28.60 -5.02 3.54	26.15 -5.43 7.58	26.11 -5.76 7.39	34.29 -7.01 7.60	59.22 -12.50 15.52	36.27 -11.02 26.72	22.43 -3.82 0.52	28.25 -4.29 -1.39	45.00 -11.53 24.69	66.31 -10.46 9.05	91.34 -15.52 16.47	76.82 -11.80 8.63	85.78 -10.69 0.29
NIAGARA_115W_LBMP 323714	52.81 -8.18 11.20	70.89 -10.58 12.46	76.22 -11.91 12.93	31.78 -5.16 4.94	55.75 -7.35 1.12	26.17 -3.28 0.65	50.22 -5.72 2.11	29.62 -4.05 2.76	46.35 -7.79 15.56	25.31 -4.09 3.67	27.44 -4.58 2.67	28.61 -5.05 3.50	26.07 -5.46 7.63	25.96 -5.72 7.58	34.11 -6.99 7.80	58.89 -12.44 15.91	35.95 -10.77 27.28	22.09 -3.65 1.04	28.03 -4.06 -0.93	44.68 -11.16 25.38	66.13 -10.33 9.36	91.01 -15.43 16.89	76.51 -11.91 8.83	85.40 -11.07 0.29
NIAGARA_230_LBMP 323716	53.73 -7.81 10.66	72.03 -10.11 11.80	77.39 -11.39 12.28	32.36 -4.94 4.57	56.33 -6.95 0.94	26.58 -3.14 0.38	50.75 -5.48 1.81	30.17 -3.89 2.36	47.13 -7.50 15.07	25.74 -3.92 3.40	27.96 -4.40 2.33	29.09 -4.85 3.22	26.61 -5.24 7.32	26.41 -5.48 7.37	34.62 -6.70 7.58	59.82 -11.92 15.50	36.96 -10.34 26.70	22.49 -3.50 0.78	28.43 -3.92 -1.20	45.64 -10.73 24.85	66.86 -9.93 9.03	92.08 -14.80 16.45	77.41 -11.28 8.57	86.21 -10.27 0.27
NIAGARA__115KV_198_GIBSON 55903	52.78 -8.22 11.20	70.81 -10.67 12.46	76.17 -11.96 12.93	31.75 -5.19 4.94	55.79 -7.31 1.12	26.15 -3.29 0.65	50.20 -5.73 2.11	29.64 -4.03 2.76	46.35 -7.79 15.56	25.34 -4.05 3.67	27.57 -4.45 2.67	28.58 -5.09 3.50	26.01 -5.52 7.63	25.95 -5.73 7.58	34.12 -6.98 7.80	58.93 -12.40 15.91	36.05 -10.67 27.28	22.16 -3.57 1.04	28.08 -4.01 -0.93	44.67 -11.18 25.38	66.08 -10.38 9.36	90.91 -15.53 16.89	76.48 -11.95 8.83	85.52 -10.96 0.29
NIAGARA____ 23760	53.57 -7.81 10.82	71.84 -10.11 11.99	77.20 -11.39 12.47	32.26 -4.94 4.68	56.29 -6.95 0.98	26.50 -3.14 0.46	50.71 -5.48 1.85	30.13 -3.89 2.40	47.07 -7.50 15.13	25.71 -3.92 3.43	27.89 -4.40 2.40	29.04 -4.85 3.27	26.56 -5.24 7.37	26.38 -5.48 7.39	34.59 -6.70 7.60	59.78 -11.92 15.54	36.91 -10.34 26.76	22.56 -3.50 0.71	28.48 -3.92 -1.24	45.65 -10.73 24.85	66.82 -9.93 9.07	92.03 -14.80 16.50	77.37 -11.28 8.61	86.20 -10.27 0.28
NINE_MILE_1 23575	69.31 -2.89 0.00	90.39 -3.77 -0.22	96.89 -4.16 0.00	42.14 -1.71 -1.97	62.58 -2.56 -0.92	30.75 -1.07 -1.73	58.78 -2.02 -2.76	40.12 -1.26 -4.96	68.24 -2.53 -1.06	35.13 -1.23 -3.30	36.03 -1.40 -2.74	36.60 -1.58 -1.03	37.45 -1.71 0.00	37.57 -1.72 -0.04	46.90 -2.18 -0.18	83.45 -3.79 0.00	72.26 -3.02 -1.28	32.91 -0.89 -7.02	37.35 -1.07 -7.26	79.98 -3.09 -1.84	83.91 -3.19 -1.28	118.46 -4.87 0.00	93.66 -3.92 -0.32	92.85 -3.91 0.00
NINE_MILE_2 23744	69.31 -2.89 0.00	90.40 -3.76 -0.22	96.89 -4.16 0.00	42.14 -1.71 -1.96	62.59 -2.55 -0.92	30.75 -1.07 -1.72	58.78 -2.02 -2.76	40.11 -1.26 -4.95	68.24 -2.53 -1.06	35.12 -1.23 -3.29	36.03 -1.40 -2.74	36.61 -1.57 -1.03	37.45 -1.71 0.00	37.57 -1.72 -0.04	46.91 -2.18 -0.18	83.45 -3.79 0.00	72.26 -3.02 -1.28	32.89 -0.89 -7.01	37.34 -1.07 -7.25	79.98 -3.09 -1.84	83.91 -3.19 -1.28	118.46 -4.87 0.00	93.66 -3.92 -0.32	92.85 -3.91 0.00
NM_CAPITAL__DRP 24208	86.18 3.43 -10.54	102.74 4.36 -4.44	105.60 4.54 0.00	88.50 2.01 -44.61	102.26 3.04 -35.01	110.98 1.41 -79.47	217.66 2.59 -157.02	216.67 1.54 -178.71	113.44 3.13 -40.60	100.18 1.53 -65.60	90.81 1.53 -54.58	59.29 1.69 -20.44	40.80 1.64 0.00	41.66 1.64 -0.77	54.56 2.00 -3.66	90.62 3.38 0.00	102.37 2.92 -25.44	167.48 0.97 -139.74	176.83 1.13 -144.55	126.27 2.98 -42.07	121.96 3.19 -32.94	127.78 4.45 0.00	107.70 4.06 -6.38	100.75 3.99 0.00



NM_CENTRAL___DRP 24181	70.63 -1.57 0.00	92.21 -2.05 -0.32	98.67 -2.38 0.00	43.71 -0.99 -2.82	64.15 -1.38 -1.32	32.09 -0.48 -2.48	61.24 -0.76 -3.96	43.11 -0.43 -7.11	70.20 -1.02 -1.52	37.18 -0.62 -4.73	37.84 -0.79 -3.93	37.66 -0.97 -1.47	38.11 -1.06 0.00	38.22 -1.09 -0.06	47.81 -1.36 -0.26	85.02 -2.22 0.00	74.27 -1.57 -1.83	36.54 -0.31 -10.07	41.19 -0.38 -10.42	82.49 -1.38 -2.64	86.26 -1.40 -1.84	120.82 -2.52 0.00	95.64 -2.08 -0.46	94.61 -2.14 0.00
NM_FRONTIER___DRP 24179	52.78 -8.22 11.20	70.81 -10.67 12.46	76.17 -11.96 12.93	31.75 -5.19 4.94	55.79 -7.31 1.12	26.15 -3.29 0.65	50.20 -5.73 2.11	29.64 -4.03 2.76	46.35 -7.79 15.56	25.34 -4.05 3.67	27.57 -4.45 2.67	28.58 -5.09 3.50	26.01 -5.52 7.63	25.95 -5.73 7.58	34.12 -6.98 7.80	58.93 -12.40 15.91	36.05 -10.67 27.28	22.16 -3.57 1.04	28.08 -4.01 -0.93	44.67 -11.18 25.38	66.08 -10.38 9.36	90.91 -15.53 16.89	76.48 -11.95 8.83	85.52 -10.96 0.29
NM_ST_REGIS___HYD 24053	72.16 -0.03 0.00	93.86 -0.08 0.00	100.80 -0.26 0.00	41.66 -0.22 0.00	63.77 -0.45 0.00	29.48 -0.62 0.00	56.46 -1.58 0.00	35.30 -1.13 0.00	66.94 -1.98 0.79	32.22 -0.89 -0.04	34.43 -0.73 -0.47	37.92 -0.74 -1.51	39.66 -0.67 -1.17	39.67 -0.50 -0.91	49.01 -0.56 -0.67	86.19 -1.22 -0.17	74.39 -1.36 -1.75	27.13 -0.79 -1.14	18.98 -0.87 11.30	56.61 -1.85 22.77	75.54 -1.82 8.46	122.50 -0.83 0.00	96.31 -1.14 -0.19	96.44 -0.32 0.00
NORTHPORT___1 23551	81.87 5.99 -3.69	105.06 7.50 -3.62	108.97 7.91 0.00	79.12 3.38 -33.86	90.15 5.16 -20.77	76.32 2.46 -43.76	137.79 4.90 -74.85	145.43 3.04 -105.98	99.62 5.65 -24.27	89.58 2.97 -53.55	82.69 3.44 -44.56	57.38 3.54 -16.69	42.79 3.62 0.00	43.64 3.76 -0.63	69.46 4.91 -15.65	127.12 8.23 -31.64	143.30 6.68 -62.62	155.81 2.46 -126.58	151.77 2.62 -118.00	119.92 6.81 -31.88	116.44 7.11 -23.50	133.41 10.08 0.00	110.22 7.75 -5.21	104.20 7.44 0.00
NORTHPORT___2 23552	81.71 5.82 -3.69	104.87 7.30 -3.62	108.73 7.67 0.00	79.03 3.29 -33.86	89.96 4.97 -20.77	76.21 2.35 -43.76	137.47 4.58 -74.85	145.23 2.83 -105.98	99.28 5.30 -24.27	89.39 2.78 -53.55	82.55 3.30 -44.56	57.27 3.43 -16.69	42.73 3.56 0.00	43.57 3.69 -0.63	69.33 4.78 -15.65	126.91 8.03 -31.64	143.25 6.62 -62.62	155.76 2.41 -126.58	151.72 2.56 -118.00	119.65 6.54 -31.88	116.11 6.79 -23.50	132.82 9.49 0.00	109.73 7.27 -5.21	103.67 6.91 0.00
NORTHPORT___3 23553	81.67 5.79 -3.69	104.82 7.25 -3.62	108.68 7.63 0.00	78.99 3.25 -33.86	89.94 4.95 -20.77	76.22 2.37 -43.76	137.56 4.67 -74.85	145.31 2.91 -105.98	99.36 5.38 -24.27	89.41 2.80 -53.55	82.53 3.28 -44.56	57.29 3.45 -16.69	42.72 3.55 0.00	43.57 3.69 -0.63	69.33 4.79 -15.65	126.93 8.05 -31.64	143.35 6.72 -62.62	155.81 2.46 -126.58	151.79 2.64 -118.00	119.88 6.77 -31.88	116.25 6.92 -23.50	133.00 9.67 0.00	109.91 7.44 -5.21	103.84 7.08 0.00
NORTHPORT___4 23650	81.67 5.79 -3.69	104.82 7.25 -3.62	108.68 7.63 0.00	78.99 3.25 -33.86	89.94 4.95 -20.77	76.22 2.37 -43.76	137.56 4.67 -74.85	145.31 2.91 -105.98	99.36 5.38 -24.27	89.41 2.80 -53.55	82.53 3.28 -44.56	57.29 3.45 -16.69	42.72 3.55 0.00	43.57 3.69 -0.63	69.33 4.79 -15.65	126.93 8.05 -31.64	143.35 6.72 -62.62	155.81 2.46 -126.58	151.79 2.64 -118.00	119.88 6.77 -31.88	116.25 6.92 -23.50	133.00 9.67 0.00	109.91 7.44 -5.21	103.84 7.08 0.00
NORTHPORT___IC 23718	81.88 6.00 -3.69	105.06 7.50 -3.62	108.96 7.90 0.00	79.12 3.38 -33.86	90.15 5.16 -20.77	76.32 2.47 -43.76	137.80 4.90 -74.85	145.44 3.04 -105.98	99.63 5.65 -24.27	89.58 2.97 -53.55	82.69 3.44 -44.56	57.38 3.54 -16.69	42.79 3.62 0.00	43.64 3.76 -0.63	69.45 4.90 -15.65	127.10 8.21 -31.64	143.30 6.67 -62.62	155.80 2.45 -126.58	151.76 2.61 -118.00	119.92 6.81 -31.88	116.45 7.13 -23.50	133.41 10.08 0.00	110.22 7.75 -5.21	104.21 7.45 0.00
NORTH___COUNTRY_ESR 323785	70.87 -1.33 0.00	92.03 -1.91 0.00	99.09 -1.97 0.00	40.99 -0.89 0.00	62.63 -1.59 0.00	29.06 -1.04 0.00	55.66 -2.38 0.00	34.85 -1.57 0.00	65.89 -2.88 0.94	31.99 -1.38 -0.30	34.89 -1.33 -1.53	40.76 -1.34 -4.94	41.69 -1.30 -3.83	40.96 -1.29 -3.00	49.59 -1.51 -2.21	85.19 -2.62 -0.58	77.22 -2.52 -5.74	29.49 -1.23 -3.94	18.00 -1.38 11.77	52.06 -3.10 26.06	72.68 -3.05 10.09	119.65 -3.68 0.00	94.56 -3.34 -0.64	94.10 -2.65 0.00
NPX_GEN_1385_PROXY 323591	82.17 6.28 -3.69	105.34 7.78 -3.62	109.38 8.32 0.00	79.29 3.55 -33.86	90.60 5.61 -20.77	76.46 2.61 -43.76	138.24 5.35 -74.85	145.64 3.24 -105.98	99.87 5.89 -24.27	90.12 3.50 -53.55	83.42 4.17 -44.56	57.87 4.02 -16.69	42.94 3.78 0.00	43.71 3.83 -0.63	69.89 5.35 -15.65	127.45 8.56 -31.64	142.36 5.73 -62.62	155.24 1.97 -126.50	150.96 1.80 -118.00	118.62 5.52 -31.88	115.62 6.29 -23.50	133.33 10.00 0.00	110.56 8.10 -5.21	105.23 8.48 0.00
NPX_GEN_CSC 323557	82.27 6.39 -3.69	105.91 8.35 -3.62	109.81 8.75 0.00	79.51 3.77 -33.86	90.72 5.73 -20.77	76.45 2.60 -43.76	138.07 5.17 -74.85	145.45 3.05 -105.98	99.51 5.53 -24.27	89.55 2.94 -53.55	82.48 3.23 -44.56	57.08 3.24 -16.69	42.67 3.51 0.00	43.75 3.87 -0.63	69.59 5.05 -15.65	127.15 8.26 -31.64	143.81 7.19 -62.62	156.04 2.77 -126.50	152.19 3.03 -118.00	120.82 7.71 -31.88	117.20 7.87 -23.50	134.18 10.85 0.00	110.70 8.23 -5.21	104.44 7.69 0.00
NSINS_S___GLNS_FALLS 23858	95.01 6.93 -15.88	107.46 8.95 -4.57	110.54 9.48 0.00	94.46 4.01 -48.57	114.59 6.34 -44.02	136.59 3.10 -103.40	280.17 6.41 -215.72	266.34 3.95 -225.97	129.23 7.11 -52.42	103.75 3.07 -67.61	93.90 2.94 -56.26	61.08 2.86 -21.07	41.96 2.79 0.00	42.89 2.85 -0.79	56.56 3.88 -3.77	94.92 7.69 0.00	107.30 7.08 -26.22	173.58 2.78 -144.03	183.38 3.24 -148.99	135.73 8.20 -46.30	132.39 8.57 -37.99	135.13 11.80 0.00	112.73 8.90 -6.58	105.41 8.65 0.00
NUCOR_STEEL___DRP 24197	72.74 -0.58 -1.12	93.58 -0.80 -0.44	100.23 -1.16 -0.33	46.99 -0.45 -5.56	65.56 -0.47 -1.81	34.04 -0.03 -3.97	63.61 0.11 -5.45	46.34 0.13 -9.79	71.73 -0.06 -2.09	39.64 -0.30 -6.88	39.58 -0.53 -5.41	38.46 -0.72 -2.03	38.36 -0.80 0.00	38.48 -0.85 -0.08	48.06 -1.21 -0.36	86.26 -1.76 -0.78	82.45 -0.77 -9.21	41.17 0.08 -14.31	45.64 0.10 -14.38	89.79 -0.23 -8.80	88.22 -0.13 -2.53	122.44 -1.26 -0.37	97.06 -1.20 -1.01	95.76 -1.00 0.00
NUMBER_THREE_WT_PWR 323818	73.15 0.95 0.00	95.86 1.79 -0.12	102.01 0.95 0.00	43.18 0.19 -1.10	65.24 0.51 -0.52	30.59 -0.48 -0.97	58.83 -0.77 -1.55	38.75 -0.46 -2.78	69.06 -1.04 -0.40	34.16 -0.73 -1.83	35.20 -1.04 -1.54	36.49 -1.24 -0.58	38.01 -1.16 0.00	38.69 -0.59 -0.02	47.93 -1.07 -0.10	85.41 -1.83 0.00	73.97 -0.75 -0.72	30.55 -0.15 -3.92	32.13 -0.16 -1.13	75.97 -0.63 4.63	83.59 -0.89 1.34	124.19 0.86 0.00	96.56 -0.88 -0.18	95.07 -1.69 0.00
NYISO_LBMP_REFERENCE 24008	72.20 0.00 0.00	93.94 0.00 0.00	101.06 0.00 0.00	41.88 0.00 0.00	64.22 0.00 0.00	30.10 0.00 0.00	58.04 0.00 0.00	36.42 0.00 0.00	69.71 0.00 0.00	33.06 0.00 0.00	34.69 0.00 0.00	37.15 0.00 0.00	39.16 0.00 0.00	39.25 0.00 0.00	48.90 0.00 0.00	87.24 0.00 0.00	74.01 0.00 0.00	26.77 0.00 0.00	31.16 0.00 0.00	81.23 0.00 0.00	85.82 0.00 0.00	123.33 0.00 0.00	97.26 0.00 0.00	96.76 0.00 0.00



NYPA_BRENTWD____GT 24164	82.57 6.68 -3.69	105.97 8.41 -3.62	109.89 8.83 0.00	79.51 3.77 -33.86	90.73 5.75 -20.77	76.62 2.77 -43.76	138.43 5.54 -74.85	145.80 3.41 -105.98	100.32 6.34 -24.27	89.89 3.27 -53.55	82.94 3.69 -44.56	57.66 3.82 -16.69	43.12 3.96 0.00	43.98 4.10 -0.63	69.88 5.34 -15.65	128.00 9.12 -31.64	144.35 7.72 -62.62	156.24 2.89 -126.58	152.26 3.10 -118.00	121.08 7.97 -31.88	117.69 8.36 -23.50	134.95 11.62 0.00	111.37 8.90 -5.21	105.17 8.41 0.00
NYPA_GOWANUS____GT5 24156	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NYPA_GOWANUS____GT6 24157	190.92 5.47 -113.26	121.99 6.68 -21.38	275.59 7.12 -167.42	98.69 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.16 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.07 3.64 -645.27	126.82 3.72 -83.94	89.48 3.79 -46.44	199.12 4.69 -145.54	183.53 7.74 -88.54	101.28 6.34 -20.94	148.99 2.40 -119.81	177.34 2.77 -143.41	143.43 6.91 -55.29	133.98 7.00 -41.16	241.71 9.48 -108.90	237.36 7.30 -132.79	220.66 6.92 -116.98
NYPA_HARLEM__RVR__GT1 24160	80.95 5.07 -3.69	103.74 6.18 -3.62	107.51 6.45 0.00	78.58 2.82 -33.87	89.26 4.27 -20.78	76.01 2.14 -43.78	137.21 4.29 -74.88	145.43 3.00 -106.02	99.80 5.81 -24.28	89.42 2.79 -53.57	82.38 3.11 -44.58	57.32 3.46 -16.70	42.71 3.54 0.00	43.51 3.63 -0.63	56.35 4.46 -2.99	94.46 7.22 0.00	100.81 6.03 -20.77	143.14 2.26 -114.11	151.76 2.56 -118.05	119.63 6.51 -31.89	115.96 6.62 -23.51	132.19 8.85 0.00	109.17 6.70 -5.21	103.13 6.37 0.00
NYPA_HARLEM__RVR__GT2 24161	80.95 5.07 -3.69	103.74 6.18 -3.62	107.51 6.45 0.00	78.58 2.82 -33.87	89.26 4.27 -20.78	76.01 2.14 -43.78	137.21 4.29 -74.88	145.43 3.00 -106.02	99.80 5.81 -24.28	89.42 2.79 -53.57	82.38 3.11 -44.58	57.32 3.46 -16.70	42.71 3.54 0.00	43.51 3.63 -0.63	56.35 4.46 -2.99	94.46 7.22 0.00	100.81 6.03 -20.77	143.14 2.26 -114.11	151.76 2.56 -118.05	119.63 6.51 -31.89	115.96 6.62 -23.51	132.19 8.85 0.00	109.17 6.70 -5.21	103.13 6.37 0.00
NYPA_KENT____GT 24152	147.31 5.30 -69.80	114.77 6.50 -14.33	208.99 6.92 -101.02	90.73 2.97 -45.87	107.17 4.55 -38.40	110.87 2.28 -78.49	140.23 4.57 -77.61	147.07 3.10 -107.55	364.97 5.93 -289.33	456.58 2.92 -420.60	360.87 3.28 -322.89	436.72 3.59 -395.97	93.48 3.66 -50.65	71.26 3.74 -28.27	142.53 4.63 -89.00	148.30 7.63 -53.42	101.10 6.22 -20.88	146.69 2.37 -117.55	167.23 2.72 -133.35	134.00 6.76 -46.01	126.85 6.86 -34.16	198.26 9.22 -65.71	186.56 7.11 -82.19	173.24 6.73 -69.75
NYPA_POUCH1____GT 24155	190.68 5.22 -113.26	121.66 6.34 -21.38	275.22 6.74 -167.42	98.56 2.91 -53.76	118.67 4.46 -49.99	133.64 2.24 -101.31	141.97 4.52 -79.41	148.00 3.02 -108.56	538.95 5.69 -463.55	462.16 2.79 -426.31	211.06 3.16 -173.20	64.14 3.44 -23.55	64.19 3.50 -21.53	64.18 3.58 -21.35	64.11 4.43 -10.78	163.00 7.30 -68.46	90.18 5.95 -10.23	120.27 2.27 -91.23	129.01 2.61 -95.24	95.74 6.50 -8.01	87.78 6.54 4.58	95.36 8.82 36.79	181.72 6.81 -77.65	156.24 6.43 -53.05
NYPA_VERNON____GT2 24162	103.77 5.23 -26.34	107.67 6.43 -7.29	142.50 6.82 -34.62	82.80 2.94 -37.98	95.53 4.49 -26.82	88.02 2.25 -55.67	138.36 4.50 -75.82	146.03 3.07 -106.54	190.70 5.88 -115.11	215.31 2.90 -179.34	177.91 3.26 -139.95	187.41 3.58 -146.67	60.18 3.66 -17.36	53.09 3.74 -10.10	85.98 4.61 -32.46	113.13 7.58 -18.31	101.03 6.21 -20.81	144.42 2.35 -115.29	157.14 2.70 -123.29	124.66 6.70 -36.73	119.78 6.80 -27.16	154.95 9.10 -22.52	135.87 7.02 -31.59	125.96 6.67 -22.53
NYPA_VERNON____GT3 24163	103.77 5.23 -26.34	107.67 6.43 -7.29	142.50 6.82 -34.62	82.80 2.94 -37.98	95.53 4.49 -26.82	88.02 2.25 -55.67	138.36 4.50 -75.82	146.03 3.07 -106.54	190.70 5.88 -115.11	215.31 2.90 -179.34	177.91 3.26 -139.95	187.41 3.58 -146.67	60.18 3.66 -17.36	53.09 3.74 -10.10	85.98 4.61 -32.46	113.13 7.58 -18.31	101.03 6.21 -20.81	144.42 2.35 -115.29	157.14 2.70 -123.29	124.66 6.70 -36.73	119.78 6.80 -27.16	154.95 9.10 -22.52	135.87 7.02 -31.59	125.96 6.67 -22.53
NYPA__ASTORIA_CC1 323568	81.02 5.13 -3.69	103.87 6.31 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.00 -106.02	99.77 5.78 -24.28	89.48 2.84 -53.57	82.48 3.22 -44.58	57.39 3.53 -16.70	42.76 3.60 0.00	43.56 3.68 -0.63	56.44 4.55 -2.99	94.67 7.43 0.00	100.88 6.10 -20.77	143.19 2.30 -114.11	151.84 2.64 -118.05	119.70 6.58 -31.89	115.99 6.66 -23.51	132.23 8.90 0.00	109.31 6.84 -5.21	103.29 6.53 0.00
NYPA__ASTORIA_CC2 323569	81.02 5.13 -3.69	103.87 6.31 -3.62	107.76 6.71 0.00	78.63 2.88 -33.87	89.41 4.41 -20.78	76.08 2.20 -43.78	137.30 4.38 -74.88	145.44 3.00 -106.02	99.77 5.78 -24.28	89.48 2.84 -53.57	82.48 3.22 -44.58	57.39 3.53 -16.70	42.76 3.60 0.00	43.56 3.68 -0.63	56.44 4.55 -2.99	94.67 7.43 0.00	100.88 6.10 -20.77	143.19 2.30 -114.11	151.84 2.64 -118.05	119.70 6.58 -31.89	115.99 6.66 -23.51	132.23 8.90 0.00	109.31 6.84 -5.21	103.29 6.53 0.00
NYPA__HOLTSVILL 23794	82.03 6.15 -3.69	105.33 7.77 -3.62	109.21 8.15 0.00	79.23 3.49 -33.86	90.31 5.32 -20.77	76.40 2.54 -43.76	137.95 5.05 -74.85	145.52 3.12 -105.98	99.77 5.80 -24.27	89.59 2.98 -53.55	82.61 3.35 -44.56	57.30 3.45 -16.69	42.80 3.64 0.00	43.69 3.81 -0.63	69.50 4.95 -15.65	127.22 8.33 -31.64	143.71 7.08 -62.62	156.00 2.65 -126.58	152.04 2.88 -118.00	120.51 7.40 -31.88	116.94 7.61 -23.50	133.95 10.62 0.00	110.68 8.21 -5.21	104.54 7.78 0.00
NYPA__HELLGATE_GT1 24158	80.95 5.07 -3.69	103.74 6.18 -3.62	107.51 6.45 0.00	78.58 2.82 -33.87	89.26 4.27 -20.78	76.01 2.14 -43.78	137.23 4.30 -74.88	145.46 3.02 -106.02	99.84 5.86 -24.28	89.42 2.79 -53.57	82.38 3.11 -44.58	57.32 3.46 -16.70	42.71 3.54 0.00	43.51 3.63 -0.63	56.35 4.46 -2.99	94.46 7.22 0.00	100.81 6.03 -20.77	143.14 2.26 -114.11	151.76 2.56 -118.05	119.63 6.51 -31.89	115.96 6.62 -23.51	132.19 8.85 0.00	109.17 6.70 -5.21	103.13 6.37 0.00
NYPA__HELLGATE_GT2 24159	80.95 5.07 -3.69	103.74 6.18 -3.62	107.51 6.45 0.00	78.58 2.82 -33.87	89.26 4.27 -20.78	76.01 2.14 -43.78	137.23 4.30 -74.88	145.46 3.02 -106.02	99.84 5.86 -24.28	89.42 2.79 -53.57	82.38 3.11 -44.58	57.32 3.46 -16.70	42.71 3.54 0.00	43.51 3.63 -0.63	56.35 4.46 -2.99	94.46 7.22 0.00	100.81 6.03 -20.77	143.14 2.26 -114.11	151.76 2.56 -118.05	119.63 6.51 -31.89	115.96 6.62 -23.51	132.19 8.85 0.00	109.17 6.70 -5.21	103.13 6.37 0.00
NYS_BARGE__HYD 23848	54.30 -7.43 10.47	72.73 -9.64 11.56	78.15 -10.85 12.05	32.68 -4.72 4.48	56.65 -6.67 0.90	26.82 -2.93 0.34	52.51 -5.06 0.47	32.38 -3.69 0.35	50.21 -7.06 12.43	27.19 -3.75 2.13	28.57 -4.23 1.89	29.33 -4.70 3.13	27.35 -5.07 6.75	27.60 -5.36 6.29	35.94 -6.52 6.44	62.36 -11.58 13.30	40.80 -9.97 23.24	25.00 -3.37 -1.59	30.65 -3.75 -3.24	50.05 -10.21 20.96	69.21 -9.26 7.35	95.35 -13.91 14.07	79.27 -10.61 7.38	86.81 -9.68 0.27



OAK ORCHARD___HYD 24046	66.79 -3.86 1.55	89.35 -5.03 -0.44	94.81 -5.79 0.46	40.98 -2.48 -1.58	62.67 -3.38 -1.82	31.33 -1.42 -2.65	61.44 -2.20 -5.60	44.89 -1.55 -10.01	68.84 -3.17 -2.31	37.35 -1.84 -6.13	37.98 -2.19 -5.48	36.73 -2.46 -2.04	36.47 -2.73 -0.04	36.52 -2.89 -0.16	45.83 -3.53 -0.45	80.33 -6.00 0.91	62.71 -4.83 6.47	38.85 -1.44 -13.52	44.11 -1.59 -14.53	73.33 -4.69 3.21	84.24 -4.26 -2.67	116.15 -6.85 0.34	92.11 -5.36 -0.21	91.81 -4.95 0.00
OAKDALE___35_KV_LOAD 356122	71.17 -0.71 0.33	94.25 -0.85 -1.16	99.32 -1.22 0.52	49.68 -0.53 -8.33	70.58 -0.61 -6.97	43.98 -0.14 -14.02	84.05 -0.04 -26.05	71.90 0.00 -35.48	77.65 -0.21 -8.16	49.19 -0.38 -16.51	48.49 -0.42 -14.22	41.87 -0.61 -5.33	38.67 -0.50 0.00	38.87 -0.59 -0.20	49.17 -0.68 -0.95	84.86 -1.18 1.20	69.32 -1.03 3.66	62.37 -0.10 -35.70	68.60 -0.14 -37.58	82.78 -0.78 -2.33	92.86 -0.63 -7.66	121.41 -1.35 0.57	97.23 -1.12 -1.09	95.60 -1.16 0.00
OCC_CHEM___DRP 24175	52.79 -8.15 11.27	70.83 -10.57 12.54	76.19 -11.85 13.01	31.75 -5.15 4.99	55.84 -7.23 1.14	26.16 -3.26 0.68	50.22 -5.66 2.16	29.60 -3.98 2.85	46.34 -7.70 15.67	25.34 -4.01 3.71	27.57 -4.41 2.71	28.58 -5.05 3.53	26.01 -5.48 7.67	25.95 -5.69 7.62	34.12 -6.93 7.85	58.94 -12.31 15.99	36.01 -10.60 27.40	22.11 -3.54 1.12	28.04 -3.98 -0.86	44.62 -11.08 25.52	66.10 -10.29 9.43	90.96 -15.39 16.99	76.54 -11.83 8.89	85.65 -10.82 0.29
OH_GEN_PROXY 24063	54.80 -7.63 9.77	73.49 -9.86 10.58	78.81 -11.10 11.14	33.13 -4.83 3.93	56.90 -6.80 0.52	27.27 -3.07 -0.24	52.19 -5.34 0.50	32.17 -3.78 0.47	49.23 -7.29 13.19	26.94 -3.83 2.30	29.00 -4.28 1.41	29.79 -4.72 2.64	27.49 -5.08 6.59	27.31 -5.32 6.62	35.62 -6.50 6.77	61.56 -11.57 14.11	38.90 -10.07 25.04	24.30 -3.41 -0.94	30.28 -3.82 -2.94	47.88 -10.46 22.88	68.39 -9.68 7.76	94.02 -14.43 14.88	78.54 -11.01 7.71	86.42 -10.10 0.25
OLIN_CORP_DRP 24177	52.66 -8.03 11.51	70.72 -10.41 12.81	76.07 -11.70 13.28	31.66 -5.07 5.15	55.86 -7.16 1.20	26.13 -3.20 0.77	50.35 -5.63 2.06	29.63 -4.12 2.68	46.29 -7.88 15.53	25.39 -4.04 3.64	27.53 -4.39 2.77	28.51 -5.02 3.63	25.97 -5.46 7.74	25.96 -5.71 7.58	34.14 -6.95 7.80	58.94 -12.38 15.91	35.78 -10.88 27.35	22.20 -3.72 0.86	28.06 -4.19 -1.09	44.41 -11.46 25.35	66.06 -10.42 9.35	91.00 -15.44 16.90	76.68 -11.71 8.86	85.93 -10.53 0.30
OLIN_CORP_DSASP 323712	52.83 -8.11 11.27	70.91 -10.49 12.54	76.24 -11.80 13.01	31.77 -5.13 4.99	55.81 -7.27 1.14	26.17 -3.25 0.68	50.23 -5.65 2.16	29.58 -4.00 2.85	46.33 -7.71 15.67	25.30 -4.05 3.71	27.44 -4.54 2.71	28.61 -5.01 3.53	26.07 -5.42 7.67	25.95 -5.68 7.62	34.11 -6.94 7.85	58.90 -12.35 15.99	35.91 -10.70 27.40	22.03 -3.62 1.12	27.99 -4.02 -0.86	44.62 -11.08 25.52	66.17 -10.22 9.43	91.05 -15.30 16.99	76.57 -11.79 8.89	85.53 -10.94 0.29
ONEIDA_HERK_LFGE 323681	73.86 1.66 0.00	96.46 2.41 -0.11	103.25 2.19 0.00	43.67 0.84 -0.95	66.08 1.42 -0.44	31.38 0.45 -0.84	60.46 1.09 -1.34	39.56 0.74 -2.40	71.41 1.24 -0.46	35.03 0.38 -1.59	36.24 0.22 -1.32	37.77 0.12 -0.50	39.33 0.17 0.00	39.66 0.39 -0.02	49.37 0.38 -0.09	88.12 0.88 0.00	75.96 1.34 -0.62	30.77 0.61 -3.39	34.53 0.70 -2.68	82.14 1.63 0.71	87.46 1.61 -0.04	126.24 2.90 0.00	98.92 1.51 -0.15	97.85 1.09 0.00
ONEIDA___115KV_TB4 55905	73.88 1.68 0.00	96.49 2.34 -0.21	103.51 2.45 0.00	44.73 1.03 -1.82	66.77 1.70 -0.85	32.58 0.88 -1.60	62.63 2.03 -2.56	42.37 1.35 -4.59	73.00 2.32 -0.98	36.86 0.74 -3.05	37.78 0.54 -2.54	38.54 0.44 -0.95	39.61 0.45 0.00	39.78 0.49 -0.04	49.69 0.62 -0.17	88.67 1.44 0.00	77.15 1.97 -1.18	34.19 0.91 -6.50	38.93 1.05 -6.73	85.38 2.45 -1.70	89.54 2.53 -1.19	126.64 3.31 0.00	99.81 2.25 -0.30	98.72 1.96 0.00
ONONDAGA_REF_OCCRA 23987	72.01 -0.98 -0.79	93.04 -1.29 -0.40	99.71 -1.58 -0.24	45.91 -0.66 -4.68	64.98 -0.87 -1.63	33.32 -0.25 -3.47	62.67 -0.28 -4.91	45.12 -0.10 -8.80	71.14 -0.44 -1.88	38.79 -0.39 -6.12	39.00 -0.57 -4.87	38.25 -0.72 -1.82	38.38 -0.78 0.00	38.49 -0.83 -0.07	48.20 -1.02 -0.33	86.19 -1.60 -0.55	80.02 -1.01 -7.02	39.49 -0.07 -12.79	43.98 -0.11 -12.93	87.51 -0.66 -6.94	87.45 -0.65 -2.27	122.16 -1.43 -0.26	96.82 -1.28 -0.83	95.37 -1.38 0.00
ONONDAGA___COGEN 23986	71.09 -1.11 0.00	92.86 -1.45 -0.37	99.29 -1.77 0.00	44.41 -0.72 -3.24	64.78 -0.96 -1.52	32.66 -0.29 -2.85	62.21 -0.38 -4.56	44.41 -0.19 -8.18	70.86 -0.60 -1.75	38.07 -0.43 -5.44	38.60 -0.61 -4.52	38.08 -0.77 -1.69	38.31 -0.85 0.00	38.44 -0.88 -0.06	48.11 -1.10 -0.30	85.51 -1.73 0.00	75.03 -1.08 -2.11	38.24 -0.11 -11.58	42.98 -0.16 -11.98	83.45 -0.81 -3.04	87.14 -0.80 -2.11	121.65 -1.68 0.00	96.31 -1.48 -0.53	95.23 -1.52 0.00
ONTARIO___LFGE 23819	73.40 -2.02 -3.22	100.09 -2.70 -8.85	104.58 -3.29 -6.81	44.67 -1.25 -4.03	68.47 -1.56 -5.81	38.36 -0.44 -8.70	76.26 -0.41 -18.63	63.32 -0.25 -27.15	84.62 -0.97 -15.89	45.81 -0.88 -13.62	45.93 -1.22 -12.47	41.82 -1.61 -6.27	42.39 -1.68 -4.90	42.52 -1.74 -5.00	52.49 -2.12 -5.71	90.53 -3.48 -6.77	65.05 -2.18 6.78	52.68 -0.33 -26.23	58.50 -0.37 -27.71	81.05 -1.54 -1.36	96.00 -1.52 -11.70	128.95 -3.56 -9.18	99.83 -2.71 -5.28	94.57 -2.38 -0.18
ORANGEVILLE_WT_PWR 323706	22.76 -7.01 42.43	30.71 -9.23 54.00	38.28 -10.37 52.41	10.81 -4.42 26.65	43.68 -6.25 14.29	7.65 -2.71 19.74	11.89 -4.78 41.37	-25.98 -3.02 59.38	-13.11 -6.30 76.52	-8.01 -3.42 37.66	-0.72 -3.90 31.51	10.37 -4.51 22.28	2.36 -4.75 32.06	2.24 -4.90 32.12	8.79 -5.99 34.12	14.26 -10.59 62.38	-20.32 -8.47 85.85	-29.62 -2.63 53.77	-21.43 -2.97 49.61	-18.77 -8.37 91.62	27.54 -8.21 50.07	42.13 -12.40 68.80	50.25 -9.66 37.35	85.93 -9.62 1.21
ORANGEVILLE___ESR 323794	22.76 -7.01 42.43	30.71 -9.23 54.00	38.28 -10.37 52.41	10.81 -4.42 26.65	43.68 -6.25 14.29	7.65 -2.71 19.74	11.89 -4.78 41.37	-25.98 -3.02 59.38	-13.11 -6.30 76.52	-8.01 -3.42 37.66	-0.72 -3.90 31.51	10.37 -4.51 22.28	2.36 -4.75 32.06	2.24 -4.90 32.12	8.79 -5.99 34.12	14.26 -10.59 62.38	-20.32 -8.47 85.85	-29.62 -2.63 53.77	-21.43 -2.97 49.61	-18.77 -8.37 91.62	27.54 -8.21 50.07	42.13 -12.40 68.80	50.25 -9.66 37.35	85.93 -9.62 1.21
OSWEGATCHIE___HYD 24044	72.42 0.22 0.00	94.59 0.55 -0.09	101.06 0.00 0.00	42.51 -0.19 -0.82	64.40 -0.20 -0.38	30.19 -0.62 -0.72	57.86 -1.33 -1.15	37.57 -0.91 -2.06	67.88 -1.76 0.06	33.48 -0.90 -1.32	34.84 -0.99 -1.14	36.45 -1.13 -0.43	38.07 -1.09 0.00	38.58 -0.69 -0.02	48.06 -0.92 -0.08	85.48 -1.76 0.00	73.26 -1.27 -0.53	29.12 -0.51 -2.86	25.86 -0.58 4.73	65.70 -1.42 14.10	79.42 -1.53 4.87	123.13 -0.21 0.00	96.26 -1.13 -0.13	95.73 -1.03 0.00
OSWEGO___5 23606	69.85 -2.35 0.00	91.15 -3.05 -0.26	97.62 -3.44 0.00	42.75 -1.41 -2.28	63.21 -2.07 -1.06	31.25 -0.85 -2.00	59.68 -1.56 -3.20	41.20 -0.96 -5.74	68.96 -1.98 -1.23	35.88 -1.00 -3.81	36.70 -1.17 -3.17	37.01 -1.33 -1.19	37.72 -1.44 0.00	37.84 -1.46 -0.05	47.28 -1.83 -0.21	84.07 -3.17 0.00	73.00 -2.48 -1.48	34.21 -0.69 -8.13	38.73 -0.83 -8.41	80.88 -2.48 -2.13	84.79 -2.52 -1.48	119.39 -3.94 0.00	94.44 -3.19 -0.37	93.56 -3.20 0.00



OSWEGO___6 23613	69.85 -2.35 0.00	91.15 -3.05 -0.26	97.62 -3.44 0.00	42.75 -1.41 -2.28	63.21 -2.07 -1.06	31.25 -0.85 -2.00	59.68 -1.56 -3.20	41.20 -0.96 -5.74	68.96 -1.98 -1.23	35.88 -1.00 -3.81	36.70 -1.17 -3.17	37.01 -1.33 -1.19	37.72 -1.44 0.00	37.84 -1.46 -0.05	47.28 -1.83 -0.21	84.07 -3.17 0.00	73.00 -2.48 -1.48	34.21 -0.69 -8.13	38.73 -0.83 -8.41	80.88 -2.48 -2.13	84.79 -2.52 -1.48	119.39 -3.94 0.00	94.44 -3.19 -0.37	93.56 -3.20 0.00
OUTOKUMPU-AB___DRP 24206	53.35 -6.81 12.03	71.64 -8.82 13.48	77.13 -10.00 13.93	32.00 -4.38 5.51	56.76 -6.05 1.40	26.38 -2.66 1.06	50.97 -4.48 2.59	29.75 -3.23 3.44	47.04 -6.26 16.41	25.60 -3.35 4.12	27.78 -3.71 3.19	28.92 -4.31 3.92	26.38 -4.67 8.12	26.47 -4.85 7.94	34.81 -5.91 8.19	60.19 -10.45 16.61	36.76 -8.94 28.30	22.31 -2.92 1.55	28.33 -3.26 -0.44	45.68 -9.19 26.36	67.56 -8.34 9.93	93.04 -12.64 17.66	78.33 -9.64 9.28	87.70 -8.75 0.31
OXBOW___BTM 323836	53.24 -7.30 11.65	71.47 -9.46 13.02	76.91 -10.68 13.47	31.96 -4.67 5.25	56.39 -6.56 1.27	26.34 -2.88 0.87	50.72 -4.93 2.39	29.73 -3.53 3.17	46.83 -6.81 16.07	25.50 -3.64 3.93	27.61 -4.12 2.96	28.86 -4.56 3.73	26.34 -4.93 7.90	26.28 -5.18 7.79	34.54 -6.32 8.03	59.70 -11.22 16.32	36.45 -9.67 27.89	22.18 -3.24 1.36	28.19 -3.59 -0.63	45.35 -9.90 25.98	67.11 -9.02 9.70	92.33 -13.65 17.35	77.67 -10.49 9.10	86.77 -9.69 0.30
OXBOW____ 24026	53.21 -7.34 11.65	71.41 -9.51 13.02	76.86 -10.73 13.47	31.95 -4.69 5.25	56.42 -6.52 1.27	26.33 -2.89 0.87	50.70 -4.94 2.39	29.73 -3.52 3.17	46.83 -6.82 16.06	25.52 -3.61 3.93	27.75 -3.99 2.96	28.83 -4.60 3.73	26.28 -4.98 7.90	26.28 -5.18 7.79	34.55 -6.31 8.03	59.73 -11.18 16.32	36.51 -9.60 27.89	22.25 -3.16 1.36	28.25 -3.53 -0.63	45.32 -9.92 25.98	67.04 -9.09 9.70	92.24 -13.75 17.35	77.64 -10.52 9.10	86.88 -9.58 0.30
OXY_CHEM_DSASP 323612	52.79 -8.15 11.27	70.83 -10.57 12.54	76.19 -11.85 13.01	31.75 -5.15 4.99	55.84 -7.23 1.14	26.16 -3.26 0.68	50.22 -5.66 2.16	29.60 -3.98 2.85	46.34 -7.70 15.67	25.34 -4.01 3.71	27.57 -4.41 2.71	28.58 -5.05 3.53	26.01 -5.48 7.67	25.95 -5.69 7.62	34.12 -6.93 7.85	58.94 -12.31 15.99	36.01 -10.60 27.40	22.11 -3.54 1.12	28.04 -3.98 -0.86	44.62 -11.08 25.52	66.10 -10.29 9.43	90.96 -15.39 16.99	76.54 -11.83 8.89	85.65 -10.82 0.29
OZONE_PARK_ESR 323760	81.64 5.75 -3.69	104.63 7.07 -3.62	108.54 7.48 0.00	78.95 3.20 -33.87	89.92 4.93 -20.78	76.33 2.46 -43.77	137.89 4.98 -74.88	145.79 3.36 -106.01	100.40 6.41 -24.28	89.79 3.16 -53.56	82.76 3.49 -44.57	57.67 3.82 -16.69	43.11 3.94 0.00	43.90 4.02 -0.63	56.90 5.01 -2.99	95.56 8.32 0.00	101.57 6.79 -20.77	143.48 2.60 -114.10	152.18 2.98 -118.04	120.52 7.40 -31.89	116.95 7.61 -23.51	133.59 10.26 0.00	110.31 7.84 -5.21	104.13 7.37 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	52.79 -8.15 11.27	70.83 -10.57 12.54	76.19 -11.85 13.01	31.75 -5.15 4.99	55.84 -7.23 1.14	26.16 -3.26 0.68	50.22 -5.66 2.16	29.60 -3.98 2.85	46.34 -7.70 15.67	25.34 -4.01 3.71	27.57 -4.41 2.71	28.58 -5.05 3.53	26.01 -5.48 7.67	25.95 -5.69 7.62	34.12 -6.93 7.85	58.94 -12.31 15.99	36.01 -10.60 27.40	22.11 -3.54 1.12	28.04 -3.98 -0.86	44.62 -11.08 25.52	66.10 -10.29 9.43	90.96 -15.39 16.99	76.54 -11.83 8.89	85.65 -10.82 0.29
PACKARD___115KV_DUPONT_184 80571	52.79 -8.15 11.27	70.83 -10.57 12.54	76.19 -11.85 13.01	31.75 -5.15 4.99	55.84 -7.23 1.14	26.16 -3.26 0.68	50.22 -5.66 2.16	29.60 -3.98 2.85	46.34 -7.70 15.67	25.34 -4.01 3.71	27.57 -4.41 2.71	28.58 -5.05 3.53	26.01 -5.48 7.67	25.95 -5.69 7.62	34.12 -6.93 7.85	58.94 -12.31 15.99	36.01 -10.60 27.40	22.11 -3.54 1.12	28.04 -3.98 -0.86	44.62 -11.08 25.52	66.10 -10.29 9.43	90.96 -15.39 16.99	76.54 -11.83 8.89	85.65 -10.82 0.29
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	80.88 4.99 -3.69	103.66 6.10 -3.62	107.47 6.41 0.00	78.54 2.79 -33.87	89.21 4.22 -20.78	75.99 2.12 -43.78	137.20 4.28 -74.88	145.41 2.97 -106.02	99.71 5.73 -24.28	89.36 2.73 -53.57	82.34 3.06 -44.58	57.24 3.38 -16.70	42.60 3.44 0.00	43.41 3.53 -0.63	56.22 4.33 -2.99	94.34 7.10 0.00	100.71 5.93 -20.77	143.13 2.24 -114.11	151.75 2.55 -118.05	119.53 6.41 -31.89	115.88 6.55 -23.51	132.03 8.70 0.00	109.07 6.61 -5.21	103.05 6.29 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	81.13 5.24 -3.69	103.93 6.36 -3.62	107.79 6.74 0.00	78.71 2.96 -33.87	89.45 4.45 -20.78	76.12 2.25 -43.78	137.51 4.59 -74.88	145.59 3.16 -106.02	100.07 6.08 -24.28	89.48 2.84 -53.57	82.41 3.14 -44.58	57.29 3.44 -16.70	42.65 3.49 0.00	43.43 3.55 -0.63	56.28 4.39 -2.99	94.59 7.35 0.00	100.86 6.08 -20.77	143.21 2.32 -114.11	151.87 2.67 -118.05	119.75 6.63 -31.89	116.12 6.78 -23.51	132.27 8.93 0.00	109.24 6.77 -5.21	103.23 6.47 0.00
PATROON___115KV_TB1 80586	87.06 3.51 -11.35	102.86 4.46 -4.46	105.66 4.61 0.00	89.19 2.04 -45.27	103.71 3.09 -36.41	114.70 1.44 -83.16	226.33 2.67 -165.61	223.40 1.58 -185.40	115.72 3.27 -42.75	100.61 1.55 -66.00	91.17 1.55 -54.92	59.46 1.73 -20.57	40.85 1.69 0.00	41.70 1.68 -0.77	54.62 2.03 -3.69	90.70 3.46 0.00	102.62 3.01 -25.60	168.38 1.00 -140.60	177.78 1.18 -145.45	127.18 3.10 -42.86	122.94 3.25 -33.87	127.88 4.55 0.00	107.86 4.18 -6.42	100.84 4.08 0.00
PATTRSNVILLE___SOLAR 323815	92.33 3.33 -16.80	102.95 4.31 -4.70	105.62 4.56 0.00	94.02 1.93 -50.21	113.29 3.03 -46.04	139.95 1.46 -108.39	288.31 3.03 -227.24	274.10 1.91 -235.76	127.46 3.09 -54.67	103.73 1.12 -69.55	93.56 0.99 -57.87	59.79 0.96 -21.67	40.14 0.98 0.00	41.06 0.99 -0.81	54.12 1.34 -3.88	90.13 2.90 0.00	104.21 3.23 -26.97	176.31 1.38 -148.15	186.02 1.61 -153.25	133.11 4.05 -47.83	129.44 4.25 -39.36	129.08 5.75 0.00	108.34 4.31 -6.77	100.86 4.11 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	53.82 -5.61 12.77	72.62 -7.30 14.02	78.12 -8.34 14.59	32.25 -3.76 5.87	57.86 -5.09 1.28	27.01 -2.23 0.85	51.96 -3.72 2.36	30.62 -2.71 3.09	47.19 -5.15 17.36	25.95 -2.92 4.20	28.45 -3.21 3.04	29.48 -3.73 3.95	26.79 -3.84 8.54	26.87 -3.93 8.46	35.44 -4.75 8.71	60.91 -8.43 17.90	35.06 -7.34 31.61	23.05 -2.44 1.28	29.45 -2.69 -0.98	44.66 -7.37 29.19	68.66 -6.71 10.46	94.30 -10.12 18.92	79.65 -7.67 9.93	89.30 -7.14 0.32
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	81.56 5.61 -3.75	104.61 7.01 -3.66	108.47 7.41 0.00	79.28 3.16 -34.24	90.12 4.87 -21.03	76.87 2.44 -44.33	138.95 4.99 -75.91	147.06 3.38 -107.26	100.58 6.30 -24.58	90.17 2.98 -54.12	82.93 3.20 -45.04	57.42 3.40 -16.87	42.66 3.49 0.00	43.44 3.55 -0.63	56.40 4.48 -3.02	94.99 7.75 0.00	101.67 6.68 -20.99	144.62 2.56 -115.29	153.41 3.00 -119.26	120.96 7.49 -32.24	117.26 7.66 -23.77	133.60 10.27 0.00	110.33 7.80 -5.27	104.07 7.31 0.00
PEEKSKILL____ 23653	80.32 4.47 -3.65	103.07 5.55 -3.59	106.90 5.85 0.00	77.92 2.52 -33.52	88.64 3.85 -20.56	75.35 1.93 -43.32	136.08 3.94 -74.11	143.99 2.65 -104.92	98.67 4.93 -24.03	88.49 2.41 -53.01	81.43 2.62 -44.12	56.50 2.82 -16.52	42.07 2.90 0.00	42.86 2.99 -0.62	55.60 3.74 -2.96	93.48 6.24 0.00	99.83 5.27 -20.56	141.74 2.03 -112.94	150.34 2.36 -116.82	118.61 5.82 -31.57	115.02 5.93 -23.27	131.27 7.94 0.00	108.49 6.08 -5.16	102.45 5.69 0.00



PGE MADISON___WINDPWR 24146	84.80 4.68 -7.91	104.17 6.28 -3.95	111.12 6.15 -3.91	62.93 2.59 -18.45	76.44 3.99 -8.23	51.53 2.10 -19.34	94.23 4.76 -31.43	80.50 3.00 -41.08	86.99 4.53 -12.76	54.84 1.42 -20.36	51.76 1.24 -15.83	44.36 0.73 -6.47	41.75 0.76 -1.82	41.49 0.34 -1.90	52.30 0.68 -2.72	95.41 2.16 -6.00	111.98 3.01 -34.96	69.04 1.51 -40.75	73.19 1.71 -40.33	119.08 4.18 -33.67	101.00 4.69 -10.49	134.19 5.96 -4.89	105.81 3.63 -4.92	99.65 2.83 -0.06
PIERCEFIELD___HYD 23852	72.06 -0.14 0.00	93.76 -0.19 0.00	100.64 -0.42 0.00	41.58 -0.30 0.00	63.69 -0.53 0.00	29.41 -0.69 0.00	56.26 -1.77 0.00	35.16 -1.26 0.00	66.69 -2.25 0.76	32.01 -0.99 0.07	33.91 -0.78 0.00	36.35 -0.81 0.00	38.43 -0.74 0.00	38.71 -0.54 0.00	48.25 -0.65 0.00	85.80 -1.44 0.00	72.42 -1.58 0.00	25.83 -0.86 0.08	18.49 -0.97 11.69	56.64 -2.12 22.47	75.56 -2.10 8.17	122.36 -0.97 0.00	96.07 -1.19 0.00	96.41 -0.34 0.00
PINELAWN_CC_1 323563	82.10 6.21 -3.69	105.33 7.77 -3.62	109.22 8.17 0.00	79.23 3.48 -33.86	90.29 5.30 -20.77	76.43 2.57 -43.76	138.07 5.18 -74.85	145.70 3.31 -105.98	100.10 6.12 -24.27	89.68 3.06 -53.55	82.68 3.42 -44.56	57.40 3.56 -16.69	42.85 3.69 0.00	43.71 3.83 -0.63	69.51 4.96 -15.65	127.39 8.51 -31.64	143.85 7.22 -62.62	156.10 2.75 -126.58	152.21 3.05 -118.00	120.83 7.72 -31.88	117.25 7.92 -23.50	134.25 10.92 0.00	110.74 8.27 -5.21	104.56 7.80 0.00
PJM_GEN_HTP_PROXY 323702	80.83 4.94 -3.69	103.64 6.08 -3.62	107.50 6.44 0.00	78.52 2.78 -33.86	89.24 4.24 -20.77	75.99 2.13 -43.77	137.19 4.28 -74.87	145.32 2.90 -106.00	99.50 5.51 -24.28	89.37 2.75 -53.56	82.30 3.04 -44.57	57.17 3.32 -16.69	42.58 3.42 0.00	43.38 3.50 -0.63	56.26 4.37 -2.99	94.46 7.22 0.00	101.65 5.90 -21.73	138.95 2.25 -109.93	151.76 2.59 -118.02	119.50 6.39 -31.89	115.84 6.51 -23.51	132.05 8.72 0.00	109.15 6.68 -5.21	103.05 6.29 0.00
PJM_GEN_KEystone 24065	60.20 -0.49 11.51	88.95 -0.66 4.33	5.72 -1.01 94.32	48.68 -0.47 -7.26	71.81 -0.48 -8.07	50.03 -0.11 -20.04	97.95 0.09 -39.82	95.29 0.04 -58.83	45.36 -0.04 24.31	-23.96 -0.20 56.82	-5.39 -0.17 39.91	-17.39 -0.26 54.28	32.83 -0.19 6.14	36.08 -0.19 2.98	39.05 -0.18 9.67	39.74 -0.70 46.80	39.16 -0.88 33.97	30.82 -0.14 -4.19	45.33 -0.13 -14.31	56.87 -0.77 23.59	47.16 -0.51 38.16	59.91 -1.15 62.27	27.79 -0.84 68.63	30.77 -0.85 65.14
PJM_GEN_NEPTUNE_PROXY 323594	81.31 5.42 -3.69	104.33 6.77 -3.62	108.17 7.11 0.00	78.79 3.05 -33.86	89.64 4.65 -20.77	76.13 2.27 -43.76	137.42 4.53 -74.85	145.30 2.90 -105.98	99.40 5.43 -24.27	89.35 2.74 -53.55	82.35 3.09 -44.56	57.13 3.28 -16.69	42.57 3.40 0.00	43.41 3.53 -0.63	63.14 4.51 -9.73	111.66 7.56 -16.86	124.33 6.30 -44.03	145.73 2.39 -116.57	151.81 2.65 -118.00	119.79 6.68 -31.88	116.20 6.87 -23.50	132.68 9.35 0.00	109.57 7.11 -5.21	103.42 6.66 0.00
PJM_GEN_VFT_PROXY 323633	-51.99 4.62 128.81	44.46 5.60 55.08	-1201.00 5.96 1308.01	42.12 2.57 2.33	32.29 3.94 35.87	2.77 1.99 29.32	77.30 3.96 -15.30	99.60 2.70 -60.47	-409.34 5.16 484.22	-660.96 2.62 696.64	-418.21 2.93 455.82	-597.62 3.23 638.00	-24.35 3.31 66.82	15.77 3.39 26.88	-86.12 4.23 139.25	-23.83 6.89 117.95	90.52 5.50 -11.01	109.94 2.11 -81.06	94.28 2.40 -60.72	70.51 5.90 16.61	68.67 6.01 23.16	-20.08 7.99 151.40	-65.90 6.13 169.29	-59.15 5.72 161.62
PLATSBURG_115KV_PMLD1 355749	72.04 -0.16 0.00	93.53 -0.41 0.00	100.50 -0.56 0.00	41.55 -0.33 0.00	63.45 -0.77 0.00	29.43 -0.66 0.00	56.39 -1.65 0.00	35.33 -1.09 0.00	66.70 -2.05 0.96	27.06 -1.06 4.94	14.23 -1.03 19.43	-26.56 -1.05 62.67	-10.35 -1.00 48.52	0.25 -0.97 38.03	19.72 -1.16 28.02	78.08 -1.85 7.31	-0.60 -1.85 72.75	-25.56 -0.95 51.37	-18.66 -1.08 48.73	28.96 -2.29 49.98	73.29 -2.26 10.28	120.71 -2.62 0.00	86.68 -2.45 8.12	95.21 -1.54 0.00
PLEASANTVLY___LBMP 24000	80.45 4.39 -3.86	103.19 5.47 -3.78	106.82 5.76 0.00	79.67 2.49 -35.31	89.69 3.80 -21.68	77.66 1.89 -45.68	140.06 3.82 -78.19	149.56 2.52 -110.61	99.79 4.75 -25.34	91.20 2.31 -55.83	83.65 2.50 -46.46	57.25 2.69 -17.40	41.89 2.72 0.00	42.71 2.80 -0.65	55.55 3.54 -3.12	93.21 5.97 0.00	100.72 5.06 -21.65	147.63 1.93 -118.92	156.42 2.24 -123.02	120.04 5.57 -33.25	116.06 5.72 -24.51	130.97 7.64 0.00	108.59 5.90 -5.43	102.33 5.57 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	80.74 4.83 -3.71	103.59 6.00 -3.65	107.40 6.34 0.00	78.70 2.71 -34.12	89.32 4.17 -20.92	76.26 2.08 -44.08	137.67 4.22 -75.41	146.01 2.82 -106.77	99.46 5.30 -24.46	89.62 2.60 -53.96	82.43 2.83 -44.90	57.04 3.07 -16.82	42.30 3.14 0.00	43.10 3.22 -0.63	55.96 4.04 -3.01	94.03 6.79 0.00	100.62 5.69 -20.92	143.88 2.17 -114.94	152.57 2.51 -118.90	119.58 6.23 -32.12	115.88 6.37 -23.68	131.89 8.55 0.00	109.06 6.55 -5.25	102.91 6.15 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	80.74 4.83 -3.71	103.59 6.00 -3.65	107.40 6.34 0.00	78.70 2.71 -34.12	89.32 4.17 -20.92	76.26 2.08 -44.08	137.67 4.22 -75.41	146.01 2.82 -106.77	99.46 5.30 -24.46	89.62 2.60 -53.96	82.43 2.83 -44.90	57.04 3.07 -16.82	42.30 3.14 0.00	43.10 3.22 -0.63	55.96 4.04 -3.01	94.03 6.79 0.00	100.62 5.69 -20.92	143.88 2.17 -114.94	152.57 2.51 -118.90	119.58 6.23 -32.12	115.88 6.37 -23.68	131.89 8.55 0.00	109.06 6.55 -5.25	102.91 6.15 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	81.20 5.11 -3.89	104.08 6.43 -3.70	107.83 6.78 0.00	79.46 2.91 -34.68	90.09 4.45 -21.42	77.57 2.22 -45.25	140.40 4.55 -77.81	148.76 3.13 -109.21	100.57 5.84 -25.03	90.46 2.71 -54.69	83.08 2.88 -45.51	57.26 3.06 -17.04	42.27 3.10 0.00	43.07 3.18 -0.64	55.99 4.03 -3.05	94.31 7.07 0.00	101.39 6.18 -21.21	145.63 2.37 -116.49	154.43 2.76 -120.51	120.73 6.88 -32.63	117.01 7.10 -24.09	132.81 9.47 0.00	109.78 7.20 -5.32	103.56 6.80 0.00
POLETTI___ 23519	80.69 4.81 -3.69	103.41 5.85 -3.62	107.28 6.23 0.00	78.44 2.69 -33.87	89.11 4.12 -20.78	75.95 2.08 -43.77	137.02 4.10 -74.88	145.23 2.80 -106.01	99.33 5.34 -24.28	89.31 2.68 -53.56	82.29 3.02 -44.57	57.22 3.37 -16.69	42.63 3.47 0.00	43.42 3.54 -0.63	56.31 4.42 -2.99	94.39 7.15 0.00	100.56 5.78 -20.77	143.08 2.20 -114.10	151.69 2.50 -118.04	119.25 6.13 -31.89	115.63 6.29 -23.51	131.72 8.39 0.00	108.91 6.44 -5.21	102.78 6.02 0.00
POMONA___ESR 323819	79.93 4.18 -3.55	102.63 5.20 -3.49	106.54 5.48 0.00	76.91 2.37 -32.66	87.86 3.61 -20.03	74.13 1.83 -42.20	133.96 3.75 -72.17	141.16 2.54 -102.20	97.79 4.67 -23.41	86.99 2.27 -51.66	80.14 2.46 -42.99	55.89 2.64 -16.10	41.88 2.71 0.00	42.66 2.81 -0.60	55.29 3.50 -2.88	93.10 5.86 0.00	99.03 4.99 -20.03	138.75 1.94 -110.04	147.26 2.27 -113.84	117.55 5.57 -30.76	114.16 5.66 -22.67	130.85 7.51 0.00	108.03 5.75 -5.03	102.08 5.33 0.00
PORT_JEFF_3 23555	82.30 6.41 -3.69	105.68 8.12 -3.62	109.63 8.57 0.00	79.41 3.67 -33.86	90.58 5.59 -20.77	76.52 2.66 -43.76	138.24 5.34 -74.85	145.70 3.31 -105.98	100.10 6.12 -24.27	89.73 3.12 -53.55	82.74 3.49 -44.56	57.45 3.60 -16.69	42.96 3.79 0.00	43.84 3.96 -0.63	69.69 5.15 -15.65	127.61 8.73 -31.64	144.10 7.47 -62.62	156.11 2.76 -126.58	152.17 3.01 -118.00	120.83 7.72 -31.88	117.28 7.95 -23.50	134.57 11.23 0.00	111.11 8.64 -5.21	104.92 8.16 0.00



PORT_JEFF_4 23616	82.54 6.66 -3.69	105.96 8.40 -3.62	109.63 8.57 0.00	79.41 3.67 -33.86	90.58 5.59 -20.77	76.52 2.66 -43.76	138.24 5.34 -74.85	145.70 3.31 -105.98	100.10 6.12 -24.27	89.73 3.12 -53.55	82.74 3.49 -44.56	57.45 3.60 -16.69	42.96 3.79 0.00	43.84 3.96 -0.63	69.69 5.15 -15.65	127.61 8.73 -31.64	144.10 7.47 -62.62	156.11 2.76 -126.58	152.17 3.01 -118.00	120.83 7.72 -31.88	117.28 7.95 -23.50	134.57 11.23 0.00	111.11 8.64 -5.21	104.92 8.16 0.00
PORT_JEFF_IC 23713	82.48 6.59 -3.69	105.90 8.34 -3.62	109.66 8.61 0.00	79.43 3.70 -33.86	90.60 5.62 -20.77	76.54 2.68 -43.76	138.25 5.36 -74.85	145.71 3.31 -105.98	100.12 6.14 -24.27	89.75 3.13 -53.55	82.75 3.50 -44.56	57.45 3.61 -16.69	42.95 3.79 0.00	43.85 3.97 -0.63	69.70 5.16 -15.65	127.64 8.76 -31.64	144.13 7.51 -62.62	156.09 2.74 -126.58	152.14 2.98 -118.00	120.75 7.65 -31.88	117.23 7.91 -23.50	134.67 11.34 0.00	111.15 8.68 -5.21	104.95 8.19 0.00
PPL PILGRIM_ST_GT1 24216	82.57 6.68 -3.69	105.97 8.41 -3.62	109.89 8.83 0.00	79.51 3.77 -33.86	90.73 5.75 -20.77	76.62 2.77 -43.76	138.43 5.54 -74.85	145.80 3.41 -105.98	100.32 6.34 -24.27	89.89 3.27 -53.55	82.94 3.69 -44.56	57.66 3.82 -16.69	43.12 3.96 0.00	43.98 4.10 -0.63	69.88 5.34 -15.65	128.00 9.12 -31.64	144.35 7.72 -62.62	156.24 2.89 -126.58	152.26 3.10 -118.00	121.08 7.97 -31.88	117.69 8.36 -23.50	134.95 11.62 0.00	111.37 8.90 -5.21	105.17 8.41 0.00
PPL PILGRIM_ST_GT2 24217	82.57 6.68 -3.69	105.97 8.41 -3.62	109.89 8.83 0.00	79.51 3.77 -33.86	90.73 5.75 -20.77	76.62 2.77 -43.76	138.43 5.54 -74.85	145.80 3.41 -105.98	100.32 6.34 -24.27	89.89 3.27 -53.55	82.94 3.69 -44.56	57.66 3.82 -16.69	43.12 3.96 0.00	43.98 4.10 -0.63	69.88 5.34 -15.65	128.00 9.12 -31.64	144.35 7.72 -62.62	156.24 2.89 -126.58	152.26 3.10 -118.00	121.08 7.97 -31.88	117.69 8.36 -23.50	134.95 11.62 0.00	111.37 8.90 -5.21	105.17 8.41 0.00
PPL_SHRM_GT3 24213	82.33 6.44 -3.69	105.98 8.42 -3.62	109.91 8.85 0.00	79.54 3.80 -33.86	90.78 5.79 -20.77	76.49 2.64 -43.76	138.18 5.28 -74.85	145.52 3.12 -105.98	99.63 5.66 -24.27	89.59 2.97 -53.55	82.52 3.26 -44.56	57.12 3.28 -16.69	42.70 3.54 0.00	43.75 3.87 -0.63	69.61 5.06 -15.65	127.23 8.34 -31.64	143.90 7.27 -62.62	156.16 2.81 -126.58	152.23 3.07 -118.00	120.96 7.85 -31.88	117.34 8.01 -23.50	134.35 11.02 0.00	110.85 8.38 -5.21	104.58 7.82 0.00
PPL_SHRM_GT4 24214	82.33 6.44 -3.69	105.98 8.42 -3.62	109.91 8.85 0.00	79.54 3.80 -33.86	90.78 5.79 -20.77	76.49 2.64 -43.76	138.18 5.28 -74.85	145.52 3.12 -105.98	99.63 5.66 -24.27	89.59 2.97 -53.55	82.52 3.26 -44.56	57.12 3.28 -16.69	42.70 3.54 0.00	43.75 3.87 -0.63	69.61 5.06 -15.65	127.23 8.34 -31.64	143.90 7.27 -62.62	156.16 2.81 -126.58	152.23 3.07 -118.00	120.96 7.85 -31.88	117.34 8.01 -23.50	134.35 11.02 0.00	110.85 8.38 -5.21	104.58 7.82 0.00
PROJECT___ORANGE 1 24174	70.64 -1.56 0.00	92.25 -2.02 -0.32	98.69 -2.37 0.00	43.77 -0.97 -2.86	64.21 -1.35 -1.34	32.14 -0.47 -2.51	61.32 -0.73 -4.02	43.22 -0.42 -7.21	70.26 -0.98 -1.54	37.26 -0.59 -4.79	37.91 -0.77 -3.99	37.71 -0.94 -1.49	38.13 -1.03 0.00	38.25 -1.07 -0.06	47.85 -1.32 -0.27	85.08 -2.16 0.00	74.35 -1.52 -1.86	36.69 -0.29 -10.21	41.35 -0.37 -10.56	82.53 -1.37 -2.68	86.31 -1.37 -1.86	120.91 -2.42 0.00	95.72 -2.01 -0.47	94.65 -2.10 0.00
PROJECT___ORANGE 2 24166	70.64 -1.56 0.00	92.25 -2.02 -0.32	98.69 -2.37 0.00	43.77 -0.97 -2.86	64.21 -1.35 -1.34	32.14 -0.47 -2.51	61.32 -0.73 -4.02	43.22 -0.42 -7.21	70.26 -0.98 -1.54	37.26 -0.59 -4.79	37.91 -0.77 -3.99	37.71 -0.94 -1.49	38.13 -1.03 0.00	38.25 -1.07 -0.06	47.85 -1.32 -0.27	85.08 -2.16 0.00	74.35 -1.52 -1.86	36.69 -0.29 -10.21	41.35 -0.37 -10.56	82.53 -1.37 -2.68	86.31 -1.37 -1.86	120.91 -2.42 0.00	95.72 -2.01 -0.47	94.65 -2.10 0.00
PUCKETT___SOLAR 323809	74.24 0.46 -1.58	95.87 0.73 -1.19	101.47 0.42 0.00	53.45 0.21 -11.35	72.12 0.48 -7.42	46.51 0.43 -15.98	87.52 1.21 -28.27	74.89 0.74 -37.73	79.39 0.99 -8.70	50.64 -0.09 -17.67	49.16 -0.24 -14.70	42.20 -0.46 -5.51	38.79 -0.37 0.00	38.84 -0.63 -0.21	49.18 -0.71 -0.99	86.56 -0.68 0.00	80.75 -0.11 -6.85	64.70 0.30 -37.63	70.40 0.32 -38.92	92.34 0.40 -10.71	94.41 0.57 -8.02	123.60 0.27 0.00	98.93 -0.04 -1.72	96.53 -0.23 0.00
PYRITES___HYD 24023	73.19 0.99 0.00	95.20 1.26 0.00	102.37 1.31 0.00	42.27 0.39 0.00	64.77 0.56 0.00	29.97 -0.12 0.00	57.53 -0.51 0.00	35.99 -0.43 0.00	68.22 -0.70 0.78	32.60 -0.39 0.07	34.45 -0.24 0.00	36.71 -0.44 0.00	38.71 -0.46 0.00	39.23 -0.02 0.00	48.95 0.06 0.00	87.52 0.28 0.00	74.05 0.05 0.00	26.45 -0.23 0.08	18.90 -0.24 12.02	57.97 -0.16 23.10	77.29 -0.14 8.39	124.91 1.58 0.00	98.04 0.79 0.00	98.41 1.65 0.00
QUAKERRD_115KV_BK1 80622	66.08 -4.75 1.38	88.21 -6.16 -0.43	93.72 -6.92 0.41	40.65 -2.93 -1.70	61.88 -4.10 -1.76	30.95 -1.76 -2.61	60.38 -2.97 -5.30	43.95 -1.96 -9.49	67.72 -4.02 -2.03	36.77 -2.16 -5.86	37.50 -2.45 -5.26	36.30 -2.81 -1.97	36.07 -3.10 0.00	36.10 -3.22 -0.07	45.30 -3.95 -0.35	79.55 -6.75 0.94	62.84 -5.40 5.77	37.98 -1.67 -12.88	43.11 -1.89 -13.85	72.87 -5.51 2.84	82.96 -5.32 -2.45	114.53 -8.35 0.46	90.86 -6.55 -0.16	90.61 -6.14 0.00
QUENSBRY_115KV_TB8 356137	95.34 7.15 -15.98	107.76 9.24 -4.58	110.84 9.78 0.00	94.68 4.14 -48.66	114.98 6.55 -44.21	137.20 3.22 -103.89	281.61 6.67 -216.89	267.41 4.11 -226.87	129.73 7.39 -52.63	103.92 3.18 -67.68	94.05 3.05 -56.32	61.20 2.96 -21.09	42.06 2.89 0.00	42.99 2.94 -0.79	56.71 4.03 -3.78	95.22 7.98 0.00	107.59 7.33 -26.25	173.82 2.88 -144.16	183.65 3.36 -149.13	136.12 8.50 -46.39	132.79 8.88 -38.09	135.51 12.18 0.00	113.01 9.17 -6.59	105.68 8.92 0.00
RAMAPO___LBMP 323565	79.71 3.97 -3.54	102.37 4.95 -3.48	106.28 5.22 0.00	76.69 2.25 -32.56	87.63 3.45 -19.97	73.90 1.74 -42.06	133.56 3.58 -71.93	140.70 2.42 -101.87	97.47 4.43 -23.33	86.72 2.16 -51.50	79.88 2.34 -42.85	55.70 2.49 -16.05	41.72 2.56 0.00	42.51 2.65 -0.60	55.08 3.30 -2.88	92.73 5.49 0.00	98.67 4.70 -19.97	138.30 1.84 -109.70	146.78 2.15 -113.48	117.13 5.25 -30.66	113.79 5.37 -22.60	130.44 7.11 0.00	107.69 5.43 -5.01	101.80 5.05 0.00
RANKINE____ 23646	51.20 -6.48 14.52	68.98 -8.43 16.53	74.60 -9.55 16.91	30.51 -4.21 7.17	56.24 -5.77 2.21	25.33 -2.55 2.22	48.48 -4.30 5.26	26.10 -3.03 7.29	42.46 -5.92 21.32	23.27 -3.20 6.59	26.05 -3.56 5.08	27.81 -4.16 5.18	24.68 -4.45 10.03	24.67 -4.59 9.99	32.95 -5.58 10.37	56.69 -9.86 20.69	31.10 -8.39 34.51	18.79 -2.74 5.25	25.19 -3.05 2.92	39.78 -8.58 32.87	64.80 -7.88 13.14	89.32 -11.90 22.10	76.51 -9.06 11.69	88.02 -8.36 0.38
RAVENSWOOD_GT2_1 24244	80.91 5.02 -3.69	103.73 6.17 -3.62	107.60 6.55 0.00	78.58 2.83 -33.87	89.31 4.31 -20.78	76.04 2.17 -43.78	137.25 4.33 -74.88	145.38 2.94 -106.02	99.57 5.58 -24.28	89.41 2.78 -53.57	82.36 3.09 -44.58	57.24 3.39 -16.69	42.64 3.48 0.00	43.45 3.57 -0.63	56.33 4.44 -2.99	94.55 7.31 0.00	100.75 5.97 -20.77	143.16 2.27 -114.11	151.81 2.61 -118.05	119.57 6.45 -31.89	115.93 6.59 -23.51	132.17 8.83 0.00	109.23 6.77 -5.21	103.14 6.38 0.00



RAVENSWOOD_GT2_2 24245	80.91 5.02 -3.69	103.73 6.17 -3.62	107.60 6.55 0.00	78.58 2.83 -33.87	89.31 4.31 -20.78	76.04 2.17 -43.78	137.25 4.33 -74.88	145.38 2.94 -106.02	99.57 5.58 -24.28	89.41 2.78 -53.57	82.36 3.09 -44.58	57.24 3.39 -16.69	42.64 3.48 0.00	43.45 3.57 -0.63	56.33 4.44 -2.99	94.55 7.31 0.00	100.75 5.97 -20.77	143.16 2.27 -114.11	151.81 2.61 -118.05	119.57 6.45 -31.89	115.93 6.59 -23.51	132.17 8.83 0.00	109.23 6.77 -5.21	103.14 6.38 0.00
RAVENSWOOD_GT2_3 24246	80.95 5.06 -3.69	103.77 6.21 -3.62	107.65 6.59 0.00	78.59 2.84 -33.87	89.35 4.35 -20.78	76.05 2.18 -43.78	137.29 4.37 -74.88	145.38 2.95 -106.02	99.62 5.63 -24.28	89.43 2.79 -53.57	82.37 3.10 -44.58	57.25 3.40 -16.69	42.66 3.50 0.00	43.46 3.58 -0.63	56.35 4.46 -2.99	94.59 7.35 0.00	100.79 6.00 -20.77	143.17 2.29 -114.11	151.82 2.62 -118.05	119.60 6.48 -31.89	115.96 6.62 -23.51	132.22 8.89 0.00	109.29 6.82 -5.21	103.19 6.44 0.00
RAVENSWOOD_GT2_4 24247	80.95 5.06 -3.69	103.77 6.21 -3.62	107.65 6.59 0.00	78.59 2.84 -33.87	89.35 4.35 -20.78	76.05 2.18 -43.78	137.29 4.37 -74.88	145.38 2.95 -106.02	99.62 5.63 -24.28	89.43 2.79 -53.57	82.37 3.10 -44.58	57.25 3.40 -16.69	42.66 3.50 0.00	43.46 3.58 -0.63	56.35 4.46 -2.99	94.59 7.35 0.00	100.79 6.00 -20.77	143.17 2.29 -114.11	151.82 2.62 -118.05	119.60 6.48 -31.89	115.96 6.62 -23.51	132.22 8.89 0.00	109.29 6.82 -5.21	103.19 6.44 0.00
RAVENSWOOD_GT3_1 24248	80.91 5.02 -3.69	103.73 6.17 -3.62	107.60 6.55 0.00	78.58 2.83 -33.87	89.31 4.32 -20.78	76.04 2.17 -43.78	137.25 4.33 -74.88	145.38 2.94 -106.02	99.57 5.58 -24.28	89.42 2.78 -53.57	82.36 3.09 -44.58	57.24 3.39 -16.69	42.64 3.48 0.00	43.45 3.57 -0.63	56.33 4.44 -2.99	94.56 7.32 0.00	100.75 5.97 -20.77	143.16 2.27 -114.11	151.81 2.61 -118.05	119.57 6.45 -31.89	115.93 6.59 -23.51	132.17 8.83 0.00	109.23 6.77 -5.21	103.15 6.39 0.00
RAVENSWOOD_GT3_2 24249	80.91 5.02 -3.69	103.73 6.17 -3.62	107.60 6.55 0.00	78.58 2.83 -33.87	89.31 4.32 -20.78	76.04 2.17 -43.78	137.25 4.33 -74.88	145.38 2.94 -106.02	99.57 5.58 -24.28	89.42 2.78 -53.57	82.36 3.09 -44.58	57.24 3.39 -16.69	42.64 3.48 0.00	43.45 3.57 -0.63	56.33 4.44 -2.99	94.56 7.32 0.00	100.75 5.97 -20.77	143.16 2.27 -114.11	151.81 2.61 -118.05	119.57 6.45 -31.89	115.93 6.59 -23.51	132.17 8.83 0.00	109.23 6.77 -5.21	103.15 6.39 0.00
RAVENSWOOD_GT3_3 24250	81.02 5.13 -3.69	103.87 6.30 -3.62	107.77 6.71 0.00	78.63 2.88 -33.87	89.41 4.42 -20.78	76.08 2.21 -43.78	137.35 4.43 -74.88	145.43 3.00 -106.02	99.71 5.72 -24.28	89.47 2.84 -53.57	82.42 3.14 -44.58	57.30 3.45 -16.69	42.71 3.55 0.00	43.51 3.62 -0.63	56.42 4.53 -2.99	94.69 7.45 0.00	100.88 6.10 -20.77	143.21 2.32 -114.11	151.86 2.66 -118.05	119.70 6.58 -31.89	116.07 6.73 -23.51	132.36 9.03 0.00	109.40 6.93 -5.21	103.31 6.56 0.00
RAVENSWOOD_GT3_4 24251	81.02 5.13 -3.69	103.87 6.30 -3.62	107.77 6.71 0.00	78.63 2.88 -33.87	89.41 4.42 -20.78	76.08 2.21 -43.78	137.35 4.43 -74.88	145.43 3.00 -106.02	99.71 5.72 -24.28	89.47 2.84 -53.57	82.42 3.14 -44.58	57.30 3.45 -16.69	42.71 3.55 0.00	43.51 3.62 -0.63	56.42 4.53 -2.99	94.69 7.45 0.00	100.88 6.10 -20.77	143.21 2.32 -114.11	151.86 2.66 -118.05	119.70 6.58 -31.89	116.07 6.73 -23.51	132.36 9.03 0.00	109.40 6.93 -5.21	103.31 6.56 0.00
RAVENSWOOD_GT_1 23729	103.77 5.23 -26.34	107.69 6.46 -7.29	142.50 6.82 -34.62	82.81 2.94 -37.98	95.52 4.49 -26.82	88.02 2.25 -55.67	138.35 4.49 -75.82	146.03 3.06 -106.54	190.70 5.88 -115.11	215.30 2.90 -179.34	177.91 3.27 -139.95	187.41 3.58 -146.67	60.17 3.65 -17.36	53.09 3.74 -10.10	85.98 4.61 -32.46	113.11 7.56 -18.31	101.01 6.20 -20.81	144.41 2.34 -115.29	157.14 2.69 -123.29	124.63 6.67 -36.73	119.78 6.80 -27.16	154.95 9.11 -22.52	135.85 7.00 -31.59	125.96 6.68 -22.53
RAVENSWOOD_GT_10 24258	83.52 5.02 -6.30	104.16 6.17 -4.05	111.59 6.54 -3.99	79.05 2.83 -34.35	90.00 4.31 -21.47	77.41 2.17 -45.15	137.36 4.33 -74.99	145.44 2.94 -106.08	110.05 5.58 -34.76	103.92 2.77 -68.08	93.36 3.08 -55.58	72.22 3.38 -31.69	44.64 3.47 -2.00	44.53 3.55 -1.72	59.73 4.43 -6.39	96.66 7.31 -2.11	100.75 5.96 -20.78	143.30 2.27 -114.25	152.42 2.61 -118.65	120.12 6.45 -32.45	116.34 6.58 -23.93	134.77 8.83 -2.60	112.28 6.77 -8.26	105.73 6.37 -2.60
RAVENSWOOD_GT_11 24259	83.52 5.02 -6.30	104.16 6.17 -4.05	111.59 6.54 -3.99	79.05 2.83 -34.35	90.00 4.31 -21.47	77.41 2.17 -45.15	137.36 4.33 -74.99	145.44 2.94 -106.08	110.05 5.58 -34.76	103.92 2.77 -68.08	93.36 3.08 -55.58	72.22 3.38 -31.69	44.64 3.47 -2.00	44.53 3.55 -1.72	59.73 4.43 -6.39	96.66 7.31 -2.11	100.75 5.96 -20.78	143.30 2.27 -114.25	152.42 2.61 -118.65	120.12 6.45 -32.45	116.34 6.58 -23.93	134.77 8.83 -2.60	112.28 6.77 -8.26	105.73 6.37 -2.60
RAVENSWOOD_GT_4 24252	98.13 5.00 -20.94	106.50 6.15 -6.42	133.94 6.53 -26.36	81.69 2.80 -37.00	93.90 4.30 -25.38	85.09 2.16 -52.83	137.96 4.32 -75.60	145.75 2.91 -106.42	168.70 5.55 -93.45	185.17 2.77 -149.34	154.95 3.06 -117.20	156.17 3.35 -115.66	55.83 3.45 -13.21	50.63 3.54 -7.84	78.75 4.42 -25.44	108.45 7.27 -13.94	100.74 5.93 -20.80	144.05 2.26 -115.01	155.79 2.60 -122.04	123.22 6.42 -35.58	118.68 6.56 -26.29	149.29 8.81 -17.15	129.29 6.74 -25.30	120.23 6.32 -17.15
RAVENSWOOD_GT_5 24254	98.13 5.00 -20.94	106.50 6.15 -6.42	133.94 6.53 -26.36	81.69 2.80 -37.00	93.90 4.30 -25.38	85.09 2.16 -52.83	137.96 4.32 -75.60	145.75 2.91 -106.42	168.70 5.55 -93.45	185.17 2.77 -149.34	154.95 3.06 -117.20	156.17 3.35 -115.66	55.83 3.45 -13.21	50.63 3.54 -7.84	78.75 4.42 -25.44	108.45 7.27 -13.94	100.74 5.93 -20.80	144.05 2.26 -115.01	155.79 2.60 -122.04	123.22 6.42 -35.58	118.68 6.56 -26.29	149.29 8.81 -17.15	129.29 6.74 -25.30	120.23 6.32 -17.15
RAVENSWOOD_GT_6 24253	98.13 5.00 -20.94	106.50 6.15 -6.42	133.94 6.53 -26.36	81.69 2.80 -37.00	93.90 4.30 -25.38	85.09 2.16 -52.83	137.96 4.32 -75.60	145.75 2.91 -106.42	168.70 5.55 -93.45	185.17 2.77 -149.34	154.95 3.06 -117.20	156.17 3.35 -115.66	55.83 3.45 -13.21	50.63 3.54 -7.84	78.75 4.42 -25.44	108.45 7.27 -13.94	100.74 5.93 -20.80	144.05 2.26 -115.01	155.79 2.60 -122.04	123.22 6.42 -35.58	118.68 6.56 -26.29	149.29 8.81 -17.15	129.29 6.74 -25.30	120.23 6.32 -17.15
RAVENSWOOD_GT_7 24255	98.13 5.00 -20.94	106.50 6.15 -6.42	133.94 6.53 -26.36	81.69 2.80 -37.00	93.90 4.30 -25.38	85.09 2.16 -52.83	137.96 4.32 -75.60	145.75 2.91 -106.42	168.70 5.55 -93.45	185.17 2.77 -149.34	154.95 3.06 -117.20	156.17 3.35 -115.66	55.83 3.45 -13.21	50.63 3.54 -7.84	78.75 4.42 -25.44	108.45 7.27 -13.94	100.74 5.93 -20.80	144.05 2.26 -115.01	155.79 2.60 -122.04	123.22 6.42 -35.58	118.68 6.56 -26.29	149.29 8.81 -17.15	129.29 6.74 -25.30	120.23 6.32 -17.15
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	83.52 5.02 -6.30	104.16 6.17 -4.05	111.59 6.54 -3.99	79.05 2.83 -34.35	90.00 4.31 -21.47	77.41 2.17 -45.15	137.36 4.33 -74.99	145.44 2.94 -106.08	110.05 5.58 -34.76	103.92 2.77 -68.08	93.36 3.08 -55.58	72.22 3.38 -31.69	44.64 3.47 -2.00	44.53 3.55 -1.72	59.73 4.43 -6.39	96.66 7.31 -2.11	100.75 5.96 -20.78	143.30 2.27 -114.25	152.42 2.61 -118.65	120.12 6.45 -32.45	116.34 6.58 -23.93	134.77 8.83 -2.60	112.28 6.77 -8.26	105.73 6.37 -2.60



RAVENSWOOD_GT_9 24257	83.52 5.02 -6.30	104.16 6.17 -4.05	111.59 6.54 -3.99	79.05 2.83 -34.35	90.00 4.31 -21.47	77.41 2.17 -45.15	137.36 4.33 -74.99	145.44 2.94 -106.08	110.05 5.58 -34.76	103.92 2.77 -68.08	93.36 3.08 -55.58	72.22 3.38 -31.69	44.64 3.47 -2.00	44.53 3.55 -1.72	59.73 4.43 -6.39	96.66 7.31 -2.11	100.75 5.96 -20.78	143.30 2.27 -114.25	152.42 2.61 -118.65	120.12 6.45 -32.45	116.34 6.58 -23.93	134.77 8.83 -2.60	112.28 6.77 -8.26	105.73 6.37 -2.60
RAVENSWOOD___1 23533	58.73 5.16 18.62	100.29 6.34 -0.01	73.70 6.73 34.09	74.60 2.90 -29.82	83.48 4.43 -14.83	64.38 2.22 -32.06	136.43 4.43 -73.96	144.94 3.02 -105.50	10.33 5.79 65.16	-34.37 2.86 70.29	-11.43 3.22 49.34	-70.60 3.54 111.29	25.69 3.62 17.09	34.25 3.70 8.70	27.45 4.58 26.03	76.72 7.51 18.03	100.89 6.14 -20.74	142.05 2.32 -112.95	146.71 2.67 -112.88	114.96 6.61 -27.13	112.46 6.72 -19.92	110.15 8.99 22.17	83.43 6.94 20.76	81.25 6.67 22.18
RAVENSWOOD___2 23534	58.73 5.16 18.62	100.29 6.34 -0.01	73.70 6.73 34.09	74.60 2.90 -29.82	83.48 4.43 -14.83	64.38 2.22 -32.06	136.43 4.43 -73.96	144.94 3.02 -105.50	10.33 5.79 65.16	-34.37 2.86 70.29	-11.43 3.22 49.34	-70.60 3.54 111.29	25.69 3.62 17.09	34.25 3.70 8.70	27.45 4.58 26.03	76.72 7.51 18.03	100.89 6.14 -20.74	142.05 2.32 -112.95	146.71 2.67 -112.88	114.96 6.61 -27.13	112.46 6.72 -19.92	110.15 8.99 22.17	83.43 6.94 20.76	81.25 6.67 22.18
RAVENSWOOD___3 23535	80.91 5.03 -3.69	103.73 6.17 -3.62	107.61 6.55 0.00	78.58 2.83 -33.87	89.32 4.32 -20.78	76.04 2.17 -43.78	137.26 4.33 -74.88	145.38 2.94 -106.02	99.58 5.59 -24.28	89.42 2.78 -53.57	82.36 3.09 -44.58	57.23 3.38 -16.69	42.64 3.48 0.00	43.45 3.56 -0.63	56.34 4.45 -2.99	94.56 7.32 0.00	100.76 5.97 -20.77	143.17 2.28 -114.11	151.82 2.62 -118.05	119.58 6.46 -31.89	115.93 6.59 -23.51	132.17 8.83 0.00	109.23 6.76 -5.21	103.14 6.39 0.00
RAVENSWOOD___4 23820	58.73 5.16 18.62	100.29 6.34 -0.01	73.70 6.73 34.09	74.60 2.90 -29.82	83.48 4.43 -14.83	64.38 2.22 -32.06	136.43 4.43 -73.96	144.94 3.02 -105.50	10.33 5.79 65.16	-34.37 2.86 70.29	-11.43 3.22 49.34	-70.60 3.54 111.29	25.69 3.62 17.09	34.25 3.70 8.70	27.45 4.58 26.03	76.72 7.51 18.03	100.89 6.14 -20.74	142.05 2.32 -112.95	146.71 2.67 -112.88	114.96 6.61 -27.13	112.46 6.72 -19.92	110.15 8.99 22.17	83.43 6.94 20.76	81.25 6.67 22.18
RCPL_TRUST___DRP 24196	80.90 5.01 -3.69	103.71 6.15 -3.62	107.59 6.53 0.00	78.55 2.80 -33.86	89.30 4.31 -20.77	76.02 2.16 -43.77	137.25 4.34 -74.87	145.36 2.95 -106.00	99.62 5.64 -24.28	89.43 2.80 -53.56	82.38 3.12 -44.57	57.24 3.40 -16.69	42.66 3.49 0.00	43.46 3.58 -0.63	56.36 4.47 -2.99	94.60 7.36 0.00	100.80 6.02 -20.77	143.16 2.29 -114.09	151.81 2.63 -118.02	119.59 6.48 -31.89	115.95 6.62 -23.51	132.20 8.87 0.00	109.25 6.78 -5.21	103.20 6.44 0.00
RED___ROCHESTER 323720	67.35 -3.32 1.54	90.02 -4.36 -0.44	95.51 -5.08 0.46	41.27 -2.19 -1.58	63.11 -2.92 -1.82	31.55 -1.19 -2.64	61.86 -1.73 -5.55	45.11 -1.23 -9.93	69.36 -2.60 -2.25	37.56 -1.58 -6.08	38.23 -1.90 -5.45	37.02 -2.17 -2.03	36.78 -2.42 -0.03	36.83 -2.57 -0.14	46.20 -3.14 -0.43	81.06 -5.25 0.93	63.41 -4.14 6.45	38.99 -1.18 -13.40	44.29 -1.29 -14.42	74.05 -3.94 3.23	84.97 -3.48 -2.63	117.15 -5.82 0.37	92.86 -4.59 -0.19	92.57 -4.19 0.00
REGAN___SOLAR 323812	92.74 4.76 -15.78	105.00 6.16 -4.90	107.61 6.55 0.00	96.05 2.74 -51.42	113.77 4.32 -45.23	137.78 2.13 -105.56	281.75 4.51 -219.20	271.42 2.90 -232.09	127.46 4.11 -53.65	106.40 0.86 -72.47	95.45 0.45 -60.31	60.11 0.37 -22.59	39.62 0.46 0.00	40.54 0.44 -0.85	53.54 0.60 -4.05	89.76 2.52 0.00	106.42 4.31 -28.11	183.22 2.06 -154.39	193.27 2.40 -159.71	136.23 6.08 -48.92	131.90 6.33 -39.75	131.89 8.55 0.00	110.59 6.28 -7.05	102.65 5.90 0.00
RENSSELAER___COGEN 23796	84.91 3.11 -9.60	102.35 3.99 -4.42	105.15 4.08 0.00	87.67 1.84 -43.95	100.41 2.76 -33.43	106.64 1.28 -75.27	204.46 2.27 -144.15	201.25 1.27 -163.57	110.73 2.69 -38.33	99.67 1.28 -65.33	90.33 1.28 -54.36	58.95 1.43 -20.36	40.55 1.39 0.00	41.38 1.36 -0.76	54.15 1.61 -3.65	89.88 2.64 0.00	101.65 2.31 -25.34	166.67 0.74 -139.16	175.97 0.86 -143.96	124.82 2.27 -41.32	120.26 2.43 -32.00	126.72 3.39 0.00	107.00 3.39 -6.36	100.21 3.45 0.00
REPUBLIC_115KV_BARTNBRK 55605	98.46 10.38 -15.87	111.82 13.31 -4.57	115.12 14.06 0.00	96.41 5.97 -48.57	117.76 9.52 -44.02	138.22 4.75 -103.38	283.73 10.02 -215.67	268.41 6.05 -225.93	132.84 10.73 -52.41	105.15 4.48 -67.61	95.15 4.20 -56.26	62.19 3.97 -21.07	42.85 3.69 0.00	43.94 3.90 -0.79	58.43 5.75 -3.77	99.26 12.02 0.00	111.11 10.88 -26.22	175.06 4.26 -144.02	185.09 4.95 -148.98	140.06 12.54 -46.30	136.76 12.95 -37.99	140.64 17.31 0.00	116.61 12.78 -6.58	109.16 12.40 0.00
REVERE_CPPR_DRP 24186	74.67 2.47 0.00	97.48 3.37 -0.17	104.49 3.43 0.00	44.81 1.39 -1.55	67.23 2.29 -0.72	32.53 1.08 -1.36	62.65 2.43 -2.17	41.98 1.65 -3.90	73.50 2.96 -0.83	36.71 1.05 -2.59	37.71 0.86 -2.16	38.70 0.74 -0.81	39.95 0.79 0.00	40.16 0.87 -0.03	50.15 1.10 -0.14	89.59 2.35 0.00	77.89 2.88 -1.01	33.52 1.23 -5.52	38.29 1.41 -5.71	86.09 3.42 -1.45	90.33 3.50 -1.01	128.24 4.91 0.00	100.78 3.27 -0.25	99.64 2.89 0.00
REYNOLDS_115KV_TB3 80639	86.22 3.58 -10.45	102.91 4.55 -4.43	105.81 4.75 0.00	88.43 2.09 -44.47	102.22 3.19 -34.81	110.54 1.47 -78.97	217.37 2.72 -156.61	220.02 1.73 -181.87	115.11 3.47 -41.94	100.27 1.75 -65.46	90.96 1.80 -54.47	59.48 1.92 -20.40	41.02 1.85 0.00	41.92 1.89 -0.77	54.98 2.42 -3.65	91.40 4.16 0.00	102.93 3.54 -25.39	167.43 1.21 -139.44	176.83 1.43 -144.24	127.35 3.74 -42.38	123.32 4.08 -33.42	129.01 5.67 0.00	108.32 4.70 -6.37	101.32 4.57 0.00
RIVERBAY____ 323610	81.13 5.24 -3.69	103.93 6.36 -3.62	107.79 6.74 0.00	78.71 2.96 -33.87	89.45 4.45 -20.78	76.12 2.25 -43.78	137.51 4.59 -74.88	145.59 3.16 -106.02	100.07 6.08 -24.28	89.48 2.84 -53.57	82.41 3.14 -44.58	57.29 3.44 -16.70	42.65 3.49 0.00	43.43 3.55 -0.63	56.28 4.39 -2.99	94.59 7.35 0.00	100.86 6.08 -20.77	143.21 2.32 -114.11	151.87 2.67 -118.05	119.75 6.63 -31.89	116.12 6.78 -23.51	132.27 8.93 0.00	109.24 6.77 -5.21	103.23 6.47 0.00
RIVERSDE_115KV_TB3 55908	86.18 3.43 -10.54	102.74 4.36 -4.44	105.60 4.54 0.00	88.50 2.01 -44.61	102.26 3.04 -35.01	110.98 1.41 -79.47	217.66 2.59 -157.02	216.67 1.54 -178.71	113.44 3.13 -40.60	100.18 1.53 -65.60	90.81 1.53 -54.58	59.29 1.69 -20.44	40.80 1.64 0.00	41.66 1.64 -0.77	54.56 2.00 -3.66	90.62 3.38 0.00	102.37 2.92 -25.44	167.48 0.97 -139.74	176.83 1.13 -144.55	126.27 2.98 -42.07	121.96 3.19 -32.94	127.78 4.45 0.00	107.70 4.06 -6.38	100.75 3.99 0.00
ROARING___BROOK_WT_PWR 323790	71.21 -0.99 0.00	92.46 -1.48 0.00	99.79 -1.27 0.00	41.39 -0.49 0.00	63.14 -1.07 0.00	29.23 -0.87 0.00	56.07 -1.97 0.00	35.13 -1.29 0.00	65.59 -2.46 1.65	31.76 -1.15 0.15	33.63 -1.06 0.00	36.07 -1.09 0.00	38.15 -1.02 0.00	38.23 -1.03 0.00	47.53 -1.37 0.00	84.83 -2.41 0.00	71.79 -2.22 0.00	25.66 -0.93 0.18	4.77 -1.03 25.36	29.96 -2.54 48.72	65.35 -2.76 17.71	120.62 -2.71 0.00	94.69 -2.56 0.00	94.04 -2.72 0.00



ROCHESRG_115KV_T4 355643	64.91 -4.17 3.11	86.73 -5.43 1.78	92.32 -6.21 2.53	39.70 -2.66 -0.47	61.64 -3.64 -1.07	30.10 -1.56 -1.57	58.82 -2.51 -3.28	41.33 -1.73 -6.63	65.08 -3.54 1.09	35.24 -1.97 -4.15	36.22 -2.26 -3.79	35.51 -2.64 -0.99	34.99 -2.91 1.27	35.04 -3.04 1.18	44.19 -3.71 0.99	77.50 -6.37 3.37	59.72 -5.16 9.12	35.53 -1.55 -10.30	40.82 -1.74 -11.40	69.60 -5.15 6.48	81.44 -4.76 -0.38	112.67 -7.52 3.13	90.07 -5.86 1.32	91.37 -5.34 0.05
ROCHESTER_9_IC 23652	66.92 -3.75 1.54	89.51 -4.88 -0.44	94.99 -5.61 0.46	41.04 -2.42 -1.58	62.77 -3.26 -1.82	31.38 -1.36 -2.64	61.50 -2.09 -5.55	44.89 -1.46 -9.93	68.93 -3.03 -2.25	37.39 -1.75 -6.08	38.11 -2.03 -5.44	36.79 -2.39 -2.03	36.53 -2.67 -0.03	36.60 -2.79 -0.14	45.91 -3.42 -0.43	80.52 -5.79 0.93	62.97 -4.58 6.45	38.83 -1.34 -13.40	44.09 -1.48 -14.42	73.49 -4.51 3.23	84.33 -4.13 -2.63	116.31 -6.65 0.37	92.24 -5.20 -0.19	92.01 -4.74 0.00
ROCKVIEW_13_KV_LD 356306	81.00 5.11 -3.69	103.90 6.34 -3.62	107.75 6.69 0.00	78.62 2.87 -33.87	89.40 4.41 -20.78	76.07 2.20 -43.77	137.38 4.46 -74.88	145.42 2.99 -106.01	99.62 5.63 -24.28	89.40 2.77 -53.57	82.30 3.03 -44.57	57.13 3.28 -16.69	42.54 3.38 0.00	43.35 3.47 -0.63	56.22 4.33 -2.99	94.49 7.25 0.00	100.83 6.04 -20.77	143.20 2.31 -114.11	151.87 2.67 -118.04	119.75 6.63 -31.89	116.11 6.78 -23.51	132.45 9.12 0.00	109.44 6.97 -5.21	103.31 6.56 0.00
ROME____115KV_TB2 80656	74.67 2.47 0.00	97.48 3.37 -0.17	104.49 3.43 0.00	44.81 1.39 -1.55	67.23 2.29 -0.72	32.53 1.08 -1.36	62.65 2.43 -2.17	41.98 1.65 -3.90	73.50 2.96 -0.83	36.71 1.05 -2.59	37.71 0.86 -2.16	38.70 0.74 -0.81	39.95 0.79 0.00	40.16 0.87 -0.03	50.15 1.10 -0.14	89.59 2.35 0.00	77.89 2.88 -1.01	33.52 1.23 -5.52	38.29 1.41 -5.71	86.09 3.42 -1.45	90.33 3.50 -1.01	128.24 4.91 0.00	100.78 3.27 -0.25	99.64 2.89 0.00
ROSETON___1 23587	79.99 4.14 -3.65	102.72 5.16 -3.62	106.52 5.47 0.00	78.07 2.36 -33.83	88.53 3.60 -20.71	75.49 1.80 -43.60	136.14 3.64 -74.46	144.50 2.42 -105.66	98.43 4.52 -24.20	88.79 2.19 -53.54	81.61 2.36 -44.55	56.38 2.54 -16.68	41.75 2.59 0.00	42.55 2.67 -0.63	55.24 3.35 -2.99	92.89 5.65 0.00	99.56 4.79 -20.76	142.67 1.84 -114.05	151.28 2.14 -117.98	118.40 5.32 -31.86	114.73 5.43 -23.47	130.57 7.24 0.00	108.02 5.55 -5.21	101.99 5.23 0.00
ROSETON___2 23588	79.99 4.14 -3.65	102.72 5.16 -3.62	106.52 5.47 0.00	78.07 2.36 -33.83	88.53 3.60 -20.71	75.49 1.80 -43.60	136.14 3.64 -74.46	144.50 2.42 -105.66	98.43 4.52 -24.20	88.79 2.19 -53.54	81.61 2.36 -44.55	56.38 2.54 -16.68	41.75 2.59 0.00	42.55 2.67 -0.63	55.24 3.35 -2.99	92.89 5.65 0.00	99.56 4.79 -20.76	142.67 1.84 -114.05	151.28 2.14 -117.98	118.40 5.32 -31.86	114.73 5.43 -23.47	130.57 7.24 0.00	108.02 5.55 -5.21	101.99 5.23 0.00
ROTRDAM_115KV_TB3 80664	92.44 3.05 -17.19	102.52 3.95 -4.63	105.21 4.15 0.00	93.40 1.78 -49.74	113.33 2.77 -46.34	140.91 1.33 -109.47	291.06 2.69 -230.33	275.28 1.69 -237.17	127.78 3.01 -55.06	102.82 1.33 -68.42	92.93 1.30 -56.94	59.80 1.33 -21.32	40.48 1.32 0.00	41.40 1.34 -0.80	54.50 1.78 -3.82	90.58 3.33 0.00	103.66 3.12 -26.54	173.77 1.24 -145.76	183.37 1.43 -150.78	132.26 3.62 -47.41	128.86 3.82 -39.22	128.49 5.16 0.00	107.85 3.94 -6.66	100.56 3.80 0.00
RUSSELL___1 23602	67.32 -3.34 1.54	89.99 -4.39 -0.44	95.49 -5.10 0.46	41.26 -2.20 -1.58	63.11 -2.93 -1.82	31.54 -1.20 -2.64	61.85 -1.74 -5.55	45.13 -1.22 -9.93	69.37 -2.59 -2.25	37.59 -1.56 -6.08	38.30 -1.83 -5.45	37.00 -2.18 -2.03	36.74 -2.45 -0.03	36.82 -2.57 -0.14	46.20 -3.13 -0.43	81.08 -5.22 0.93	63.48 -4.07 6.45	39.03 -1.14 -13.40	44.33 -1.25 -14.42	74.05 -3.94 3.23	84.93 -3.53 -2.63	117.09 -5.87 0.37	92.84 -4.61 -0.19	92.60 -4.16 0.00
RUSSELL___2 23532	67.32 -3.34 1.54	89.99 -4.39 -0.44	95.49 -5.10 0.46	41.26 -2.20 -1.58	63.11 -2.93 -1.82	31.54 -1.20 -2.64	61.85 -1.74 -5.55	45.13 -1.22 -9.93	69.37 -2.59 -2.25	37.59 -1.56 -6.08	38.30 -1.83 -5.45	37.00 -2.18 -2.03	36.74 -2.45 -0.03	36.82 -2.57 -0.14	46.20 -3.13 -0.43	81.08 -5.22 0.93	63.48 -4.07 6.45	39.03 -1.14 -13.40	44.33 -1.25 -14.42	74.05 -3.94 3.23	84.93 -3.53 -2.63	117.09 -5.87 0.37	92.84 -4.61 -0.19	92.60 -4.16 0.00
RUSSELL___3 23549	67.32 -3.34 1.54	89.99 -4.39 -0.44	95.49 -5.10 0.46	41.26 -2.20 -1.58	63.11 -2.93 -1.82	31.54 -1.20 -2.64	61.85 -1.74 -5.55	45.13 -1.22 -9.93	69.37 -2.59 -2.25	37.59 -1.56 -6.08	38.30 -1.83 -5.45	37.00 -2.18 -2.03	36.74 -2.45 -0.03	36.82 -2.57 -0.14	46.20 -3.13 -0.43	81.08 -5.22 0.93	63.48 -4.07 6.45	39.03 -1.14 -13.40	44.33 -1.25 -14.42	74.05 -3.94 3.23	84.93 -3.53 -2.63	117.09 -5.87 0.37	92.84 -4.61 -0.19	92.60 -4.16 0.00
RUSSELL___4 23556	67.32 -3.34 1.54	89.99 -4.39 -0.44	95.49 -5.10 0.46	41.26 -2.20 -1.58	63.11 -2.93 -1.82	31.54 -1.20 -2.64	61.85 -1.74 -5.55	45.13 -1.22 -9.93	69.37 -2.59 -2.25	37.59 -1.56 -6.08	38.30 -1.83 -5.45	37.00 -2.18 -2.03	36.74 -2.45 -0.03	36.82 -2.57 -0.14	46.20 -3.13 -0.43	81.08 -5.22 0.93	63.48 -4.07 6.45	39.03 -1.14 -13.40	44.33 -1.25 -14.42	74.05 -3.94 3.23	84.93 -3.53 -2.63	117.09 -5.87 0.37	92.84 -4.61 -0.19	92.60 -4.16 0.00
RUSSELL___STATION 23914	67.32 -3.34 1.54	89.99 -4.39 -0.44	95.49 -5.10 0.46	41.26 -2.20 -1.58	63.11 -2.93 -1.82	31.54 -1.20 -2.64	61.85 -1.74 -5.55	45.13 -1.22 -9.93	69.37 -2.59 -2.25	37.59 -1.56 -6.08	38.30 -1.83 -5.45	37.00 -2.18 -2.03	36.74 -2.45 -0.03	36.82 -2.57 -0.14	46.20 -3.13 -0.43	81.08 -5.22 0.93	63.48 -4.07 6.45	39.03 -1.14 -13.40	44.33 -1.25 -14.42	74.05 -3.94 3.23	84.93 -3.53 -2.63	117.09 -5.87 0.37	92.84 -4.61 -0.19	92.60 -4.16 0.00
S SALMON___HYD 24043	70.93 -1.26 0.00	92.75 -1.44 -0.26	98.95 -2.10 0.00	43.13 -1.01 -2.25	63.87 -1.40 -1.05	31.41 -0.67 -1.98	60.10 -1.11 -3.17	41.47 -0.64 -5.69	69.45 -1.40 -1.15	35.98 -0.85 -3.77	36.65 -1.19 -3.15	36.88 -1.45 -1.18	37.61 -1.56 0.00	37.91 -1.39 -0.04	47.37 -1.74 -0.21	84.52 -2.72 0.00	73.74 -1.74 -1.47	34.45 -0.38 -8.05	37.99 -0.45 -7.29	79.72 -1.61 -0.10	84.80 -1.76 -0.74	120.79 -2.54 0.00	95.03 -2.59 -0.37	93.91 -2.84 0.00
S.PERRY__115KV_TB1 80734	107.68 -1.96 -37.44	148.24 -2.61 -56.91	149.48 -3.24 -51.67	68.66 -1.40 -28.17	84.84 -1.73 -22.36	62.19 -0.52 -32.62	126.37 -0.20 -68.54	135.53 -0.12 -99.23	156.48 -0.92 -87.69	87.11 -1.36 -55.41	81.31 -1.89 -48.50	63.69 -2.43 -28.96	69.59 -2.62 -33.04	69.77 -2.78 -33.30	81.77 -3.35 -36.21	140.53 -5.54 -58.83	120.25 -3.58 -49.82	119.76 -0.42 -93.40	124.15 -0.36 -93.36	149.95 -1.65 -70.37	144.55 -1.38 -60.11	188.36 -3.26 -68.28	132.29 -2.75 -37.78	95.41 -2.60 -1.24
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	51.39 -7.03 13.78	69.02 -9.14 15.78	74.61 -10.32 16.12	30.66 -4.51 6.71	55.87 -6.25 2.10	25.23 -2.79 2.07	48.16 -4.77 5.11	25.95 -3.38 7.09	42.58 -6.57 20.55	23.24 -3.48 6.35	25.98 -3.86 4.86	27.76 -4.45 4.94	24.74 -4.80 9.62	24.66 -4.98 9.61	32.86 -6.06 9.98	56.65 -10.74 19.86	32.10 -9.19 32.71	18.63 -3.04 5.11	24.87 -3.40 2.89	40.43 -9.51 31.29	64.40 -8.76 12.66	88.91 -13.18 21.25	76.03 -10.02 11.21	87.29 -9.11 0.36



SAWYER___23_KV_LOAD 55526	51.39	69.02	74.61	30.66	55.87	25.23	48.16	25.95	42.58	23.24	25.98	27.76	24.74	24.66	32.86	56.65	32.10	18.63	24.87	40.43	64.40	88.91	76.03	87.29
	-7.03	-9.14	-10.32	-4.51	-6.25	-2.79	-4.77	-3.38	-6.57	-3.48	-3.86	-4.45	-4.80	-4.98	-6.06	-10.74	-9.19	-3.04	-3.40	-9.51	-8.76	-13.18	-10.02	-9.11
	13.78	15.78	16.12	6.71	2.10	2.07	5.11	7.09	20.55	6.35	4.86	4.94	9.62	9.61	9.98	19.86	32.71	5.11	2.89	31.29	12.66	21.25	11.21	0.36
SELKIRK___I 23801	82.98	102.39	105.31	86.10	97.12	97.78	183.95	187.53	107.14	98.65	89.44	58.50	40.40	41.25	54.02	90.07	101.64	164.88	174.13	123.91	119.23	127.58	107.24	100.54
	3.14	4.09	4.25	1.85	2.85	1.32	2.47	1.45	2.71	1.21	1.17	1.28	1.24	1.24	1.53	2.83	2.66	0.95	1.09	2.82	3.03	4.24	3.71	3.78
	-7.64	-4.35	0.00	-42.37	-30.06	-66.36	-123.44	-149.66	-34.73	-64.38	-53.58	-20.07	0.00	-0.75	-3.59	0.00	-24.97	-137.15	-141.88	-39.87	-30.38	0.00	-6.27	0.00
SELKIRK___II 23799	83.18	102.11	104.99	86.56	97.71	99.72	188.32	191.03	108.01	99.35	90.08	58.82	40.54	41.40	54.21	90.11	101.75	166.13	175.43	124.25	119.49	127.19	107.02	100.19
	2.95	3.78	3.93	1.73	2.63	1.22	2.29	1.36	2.69	1.28	1.29	1.41	1.38	1.39	1.68	2.87	2.53	0.88	1.02	2.62	2.79	3.85	3.44	3.43
	-8.04	-4.40	0.00	-42.95	-30.86	-68.40	-127.99	-153.25	-35.62	-65.01	-54.10	-20.26	0.00	-0.76	-3.63	0.00	-25.21	-138.48	-143.25	-40.41	-30.88	0.00	-6.33	0.00
SENECA OSWGO___HYD 24041	70.22	91.63	98.07	43.18	63.61	31.64	60.44	42.15	69.63	36.52	37.24	37.38	37.96	38.08	47.60	84.65	73.78	35.40	40.01	81.91	85.73	120.39	95.16	94.17
	-1.98	-2.60	-2.99	-1.24	-1.79	-0.68	-1.16	-0.66	-1.44	-0.79	-0.98	-1.10	-1.20	-1.23	-1.54	-2.59	-1.88	-0.41	-0.50	-1.69	-1.74	-2.94	-2.51	-2.58
	0.00	-0.29	0.00	-2.53	-1.18	-2.23	-3.56	-6.39	-1.36	-4.24	-3.53	-1.32	0.00	-0.05	-0.24	0.00	-1.65	-9.04	-9.36	-2.37	-1.65	0.00	-0.41	0.00
SENECA___115KV_TB3 355854	51.32	69.15	74.76	30.60	56.35	25.38	48.59	26.17	42.60	23.34	26.12	27.88	24.76	24.75	33.05	56.87	31.25	18.84	25.25	39.94	64.97	89.56	76.71	88.21
	-6.36	-8.26	-9.38	-4.12	-5.66	-2.50	-4.19	-2.96	-5.78	-3.13	-3.49	-4.09	-4.37	-4.51	-5.48	-9.68	-8.24	-2.68	-2.99	-8.42	-7.71	-11.67	-8.86	-8.16
	14.52	16.53	16.91	7.17	2.21	2.22	5.26	7.29	21.32	6.59	5.08	5.18	10.03	9.99	10.37	20.69	34.51	5.25	2.92	32.87	13.14	22.10	11.69	0.38
SENECA___ENERGY 23797	72.90	95.58	101.31	46.08	66.57	36.83	70.31	54.98	77.40	42.13	42.02	39.63	39.88	40.00	49.70	87.73	75.95	45.88	50.78	86.79	91.04	124.55	97.58	94.30
	-1.99	-2.61	-3.14	-1.25	-1.60	-0.50	-0.67	-0.36	-1.07	-0.82	-1.14	-1.42	-1.52	-1.57	-1.98	-3.27	-2.17	-0.40	-0.44	-1.62	-1.58	-3.28	-2.73	-2.54
	-2.69	-4.25	-3.39	-5.44	-3.96	-7.23	-12.93	-18.92	-8.76	-9.89	-8.47	-3.90	-2.24	-2.32	-2.78	-3.76	-4.11	-19.51	-20.07	-7.18	-6.80	-4.50	-3.06	-0.08
SHOEMAKER___GT 23640	79.14	101.74	105.78	74.86	86.34	71.66	129.66	135.43	95.88	83.84	77.34	54.42	41.24	41.95	54.32	91.85	97.16	132.69	140.94	115.14	112.19	129.77	106.92	101.32
	3.58	4.49	4.72	2.03	3.14	1.58	3.26	2.19	3.99	1.83	1.91	2.01	2.07	2.13	2.68	4.61	4.17	1.65	1.92	4.77	4.88	6.44	4.90	4.56
	-3.37	-3.31	0.00	-30.95	-18.98	-39.98	-68.36	-96.81	-22.18	-48.95	-40.73	-15.25	0.00	-0.57	-2.73	0.00	-18.98	-104.27	-107.86	-29.14	-21.48	0.00	-4.76	0.00
SHOEMAKR_138KV_BK 111 55601	79.08	101.65	105.72	74.63	86.16	71.37	129.15	134.74	95.70	83.51	77.09	54.36	41.26	41.99	54.34	91.88	96.98	131.97	140.19	114.87	111.97	129.68	106.81	101.25
	3.54	4.43	4.66	2.01	3.09	1.56	3.22	2.16	3.96	1.83	1.94	2.05	2.10	2.17	2.72	4.64	4.12	1.62	1.89	4.70	4.81	6.34	4.83	4.49
	-3.34	-3.29	0.00	-30.74	-18.85	-39.71	-67.90	-96.16	-22.03	-48.62	-40.46	-15.15	0.00	-0.57	-2.71	0.00	-18.85	-103.57	-107.14	-28.95	-21.33	0.00	-4.73	0.00
SHOREHAM_IC_1 23715	82.33	105.98	109.91	79.54	90.78	76.49	138.18	145.52	99.63	89.59	82.52	57.12	42.70	43.75	69.61	127.23	143.90	156.16	152.23	120.96	117.34	134.35	110.85	104.58
	6.44	8.42	8.85	3.80	5.79	2.64	5.28	3.12	5.66	2.97	3.26	3.28	3.54	3.87	5.06	8.34	7.27	2.81	3.07	7.85	8.01	11.02	8.38	7.82
	-3.69	-3.62	0.00	-33.86	-20.77	-43.76	-74.85	-105.98	-24.27	-53.55	-44.56	-16.69	0.00	-0.63	-15.65	-31.64	-62.62	-126.58	-118.00	-31.88	-23.50	0.00	-5.21	0.00
SHOREHAM_IC_2 23716	82.33	105.98	109.91	79.54	90.78	76.49	138.18	145.52	99.63	89.59	82.52	57.12	42.70	43.75	69.61	127.23	143.90	156.16	152.23	120.96	117.34	134.35	110.85	104.58
	6.44	8.42	8.85	3.80	5.79	2.64	5.28	3.12	5.66	2.97	3.26	3.28	3.54	3.87	5.06	8.34	7.27	2.81	3.07	7.85	8.01	11.02	8.38	7.82
	-3.69	-3.62	0.00	-33.86	-20.77	-43.76	-74.85	-105.98	-24.27	-53.55	-44.56	-16.69	0.00	-0.63	-15.65	-31.64	-62.62	-126.58	-118.00	-31.88	-23.50	0.00	-5.21	0.00
SISSONVILLE____ 23735	72.06	93.76	100.64	41.58	63.69	29.41	56.26	35.16	66.69	32.01	33.91	36.35	38.43	38.71	48.25	85.80	72.42	25.83	18.49	56.64	75.56	122.36	96.07	96.41
	-0.14	-0.19	-0.42	-0.30	-0.53	-0.69	-1.77	-1.26	-2.25	-0.99	-0.78	-0.81	-0.74	-0.54	-0.65	-1.44	-1.58	-0.86	-0.97	-2.12	-2.10	-0.97	-1.19	-0.34
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	11.69	22.47	8.17	0.00	0.00	0.00
SITHE_IND_GS1 24169	69.24	90.30	96.80	42.12	62.53	30.75	58.76	40.14	68.18	35.14	36.03	36.58	37.42	37.53	46.87	83.36	72.21	32.96	37.39	79.91	83.85	118.34	93.58	92.76
	-2.96	-3.86	-4.26	-1.75	-2.62	-1.09	-2.07	-1.29	-2.60	-1.25	-1.43	-1.61	-1.75	-1.76	-2.22	-3.88	-3.08	-0.90	-1.09	-3.17	-3.27	-4.99	-4.00	-4.00
	0.00	-0.22	0.00	-1.98	-0.93	-1.74	-2.79	-5.00	-1.07	-3.32	-2.77	-1.04	0.00	-0.04	-0.19	0.00	-1.29	-7.08	-7.33	-1.86	-1.29	0.00	-0.32	0.00
SITHE_IND_GS2 24170	69.24	90.30	96.80	42.12	62.53	30.75	58.76	40.14	68.18	35.14	36.03	36.58	37.42	37.53	46.87	83.36	72.21	32.96	37.39	79.91	83.85	118.34	93.58	92.76
	-2.96	-3.86	-4.26	-1.75	-2.62	-1.09	-2.07	-1.29	-2.60	-1.25	-1.43	-1.61	-1.75	-1.76	-2.22	-3.88	-3.08	-0.90	-1.09	-3.17	-3.27	-4.99	-4.00	-4.00
	0.00	-0.22	0.00	-1.98	-0.93	-1.74	-2.79	-5.00	-1.07	-3.32	-2.77	-1.04	0.00	-0.04	-0.19	0.00	-1.29	-7.08	-7.33	-1.86	-1.29	0.00	-0.32	0.00
SITHE_IND_GS3 24171	69.24	90.30	96.80	42.12	62.53	30.75	58.76	40.14	68.18	35.14	36.03	36.58	37.42	37.53	46.87	83.36	72.21	32.96	37.39	79.91	83.85	118.34	93.58	92.76
	-2.96	-3.86	-4.26	-1.75	-2.62	-1.09	-2.07	-1.29	-2.60	-1.25	-1.43	-1.61	-1.75	-1.76	-2.22	-3.88	-3.08	-0.90	-1.09	-3.17	-3.27	-4.99	-4.00	-4.00
	0.00	-0.22	0.00	-1.98	-0.93	-1.74	-2.79	-5.00	-1.07	-3.32	-2.77	-1.04	0.00	-0.04	-0.19	0.00	-1.29	-7.08	-7.33	-1.86	-1.29	0.00	-0.32	0.00
SITHE_IND_GS4 24172	69.24	90.30	96.80	42.12	62.53	30.75	58.76	40.14	68.18	35.14	36.03	36.58	37.42	37.53	46.87	83.36	72.21	32.96	37.39	79.91	83.85	118.34	93.58	92.76
	-2.96	-3.86	-4.26	-1.75	-2.62	-1.09	-2.07	-1.29	-2.60	-1.25	-1.43	-1.61	-1.75	-1.76	-2.22	-3.88	-3.08	-0.90	-1.09	-3.17	-3.27	-4.99	-4.00	-4.00
	0.00	-0.22	0.00	-1.98	-0.93	-1.74	-2.79	-5.00	-1.07	-3.32	-2.77	-1.04	0.00	-0.04	-0.19	0.00	-1.29	-7.08	-7.33	-1.86	-1.29	0.00	-0.32	0.00



SITHE___BATAVIA 24024	60.14 -4.35 7.70	80.20 -5.67 8.06	85.80 -6.60 8.66	36.36 -2.89 2.63	60.44 -3.86 -0.08	29.61 -1.55 -1.06	57.92 -2.22 -2.10	38.03 -1.73 -3.34	58.25 -3.48 7.98	30.98 -2.28 -0.19	32.01 -2.88 -0.20	32.19 -3.32 1.64	30.73 -3.65 4.78	30.98 -3.84 4.44	39.83 -4.61 4.46	69.61 -7.91 9.72	49.59 -6.16 18.26	29.88 -1.77 -4.88	35.60 -1.89 -6.34	60.00 -5.53 15.70	76.74 -4.68 4.40	105.58 -7.63 10.12	86.08 -5.98 5.19	91.19 -5.38 0.19
SITHE___INDEPEND 23800	69.24 -2.96 0.00	90.30 -3.87 -0.22	96.78 -4.28 0.00	42.12 -1.75 -1.98	62.53 -2.61 -0.93	30.75 -1.09 -1.74	58.76 -2.07 -2.79	40.14 -1.29 -5.00	68.18 -2.60 -1.07	35.15 -1.24 -3.32	36.04 -1.42 -2.77	36.59 -1.60 -1.04	37.42 -1.75 0.00	37.53 -1.76 -0.04	46.87 -2.22 -0.19	83.36 -3.88 0.00	72.21 -3.09 -1.29	32.96 -0.90 -7.08	37.40 -1.09 -7.33	79.92 -3.17 -1.86	83.85 -3.27 -1.29	118.34 -4.99 0.00	93.57 -4.01 -0.32	92.77 -5.99 0.00
SITHE___MASSENA 23902	71.89 -0.31 0.00	93.52 -0.42 0.00	100.71 -0.35 0.00	41.63 -0.25 0.00	63.74 -0.48 0.00	29.66 -0.44 0.00	56.96 -1.08 0.00	35.69 -0.73 0.00	67.59 -1.20 0.92	32.45 -0.53 0.08	34.33 -0.36 0.00	36.85 -0.31 0.00	38.97 -0.19 0.00	39.09 -0.17 0.00	48.72 -0.18 0.00	86.96 -0.27 0.00	73.44 -0.56 0.00	26.15 -0.52 0.10	16.42 -0.58 14.16	52.96 -1.05 27.21	74.84 -1.10 9.89	122.66 -0.67 0.00	96.58 -0.68 0.00	96.75 -0.01 0.00
SITHE___OGDNSBRG 24021	73.09 0.89 0.00	95.08 1.14 0.00	102.30 1.25 0.00	42.25 0.37 0.00	64.74 0.52 0.00	30.03 -0.06 0.00	57.71 -0.33 0.00	36.13 -0.29 0.00	68.44 -0.44 0.82	32.70 -0.29 0.08	34.49 -0.20 0.00	36.83 -0.33 0.00	38.86 -0.30 0.00	39.29 0.04 0.00	49.04 0.14 0.00	87.88 0.64 0.00	74.36 0.35 0.00	26.55 -0.13 0.09	18.38 -0.12 12.65	57.05 0.14 24.31	77.14 0.15 8.84	124.93 1.60 0.00	98.14 0.88 0.00	98.43 1.67 0.00
SITHE___STERLING 23777	73.88 1.68 0.00	96.48 2.34 -0.21	103.52 2.46 0.00	44.73 1.02 -1.82	66.77 1.70 -0.85	32.58 0.88 -1.60	62.63 2.03 -2.56	42.36 1.35 -4.59	73.00 2.32 -0.98	36.85 0.74 -3.05	37.77 0.54 -2.54	38.55 0.44 -0.95	39.61 0.45 0.00	39.78 0.49 -0.04	49.69 0.62 -0.17	88.67 1.43 0.00	77.15 1.96 -1.18	34.19 0.91 -6.50	38.93 1.05 -6.73	85.37 2.44 -1.70	89.52 2.51 -1.19	126.64 3.31 0.00	99.80 2.25 -0.30	98.72 1.96 0.00
SLEIGHT__34_KV_TB1 80719	68.54 -2.84 0.82	90.64 -3.73 -0.43	96.44 -4.37 0.24	42.61 -1.83 -2.56	63.56 -2.43 -1.77	32.08 -0.94 -2.92	62.05 -1.33 -5.34	45.09 -0.89 -9.56	69.74 -2.02 -2.05	37.90 -1.25 -6.09	38.46 -1.53 -5.29	37.30 -1.84 -1.98	37.11 -2.05 0.00	37.18 -2.15 -0.07	46.60 -2.66 -0.36	82.42 -4.27 0.56	68.45 -3.14 2.42	39.14 -0.83 -13.20	44.19 -0.93 -13.96	77.94 -3.05 0.23	85.43 -2.86 -2.47	118.72 -4.35 0.27	93.72 -3.89 -0.35	93.12 -3.64 0.00
SOUTH CAIRO___GT 23612	85.73 6.13 -7.40	106.21 8.05 -4.22	109.56 8.50 0.00	86.47 3.53 -41.07	98.88 5.53 -29.13	97.02 2.61 -64.32	182.65 5.10 -119.51	184.31 3.16 -144.72	109.25 5.91 -33.63	97.72 2.24 -62.42	88.49 1.86 -51.94	58.49 1.88 -19.45	41.03 1.87 0.00	41.82 1.83 -0.73	54.71 2.33 -3.48	92.15 4.91 0.00	103.58 5.36 -24.21	161.86 2.12 -132.97	171.19 2.49 -137.55	126.25 6.38 -38.64	122.14 6.88 -29.43	132.94 9.60 0.00	111.02 7.69 -6.07	104.56 7.80 0.00
SOUTH HAMPTN___IC 23720	83.10 7.22 -3.69	106.97 9.40 -3.62	110.98 9.92 0.00	79.99 4.25 -33.86	91.49 6.50 -20.77	76.86 3.01 -43.76	138.94 6.04 -74.85	146.04 3.64 -105.98	100.58 6.60 -24.27	89.96 3.34 -53.55	82.90 3.64 -44.56	57.51 3.66 -16.69	43.10 3.93 0.00	44.11 4.23 -0.63	70.06 5.51 -15.65	128.18 9.29 -31.64	144.76 8.13 -62.62	156.50 3.15 -126.58	152.63 3.48 -118.00	121.94 8.83 -31.88	118.37 9.04 -23.50	135.78 12.44 0.00	111.93 9.46 -5.21	105.65 8.90 0.00
SOUTHDOW_115KV_TB1 355954	57.00 -5.55 9.65	77.62 -7.12 9.20	82.95 -7.89 10.21	34.44 -3.69 3.75	59.59 -5.12 -0.49	29.59 -2.14 -1.63	57.75 -3.25 -2.96	38.60 -2.40 -4.58	54.96 -4.56 10.19	30.51 -2.64 -0.09	32.48 -2.99 -0.78	31.98 -3.59 1.59	29.64 -3.77 5.75	29.72 -3.84 5.69	38.44 -4.75 5.71	65.77 -8.42 13.05	38.88 -7.21 27.92	30.15 -2.41 -5.78	36.54 -2.66 -8.05	49.95 -7.48 23.80	73.31 -6.92 5.59	99.46 -10.62 13.25	82.37 -8.05 6.83	89.04 -7.50 0.22
SOUTHOLD_69_KV_BK 2 55809	84.12 8.23 -3.69	108.31 10.75 -3.62	112.40 11.34 0.00	80.61 4.87 -33.86	92.41 7.42 -20.77	77.34 3.48 -43.76	139.92 7.02 -74.85	146.67 4.27 -105.98	101.74 7.76 -24.27	90.42 3.81 -53.55	83.35 4.10 -44.56	57.96 4.12 -16.69	43.55 4.38 0.00	44.56 4.68 -0.63	70.64 6.10 -15.65	129.33 10.45 -31.64	145.84 9.21 -62.62	156.95 3.60 -126.58	153.18 4.02 -118.00	123.35 10.24 -31.88	119.88 10.55 -23.50	137.74 14.40 0.00	113.40 10.94 -5.21	107.07 10.31 0.00
SOUTHOLD___IC 23719	84.12 8.24 -3.69	108.31 10.74 -3.62	112.39 11.33 0.00	80.61 4.87 -33.86	92.42 7.43 -20.77	77.34 3.48 -43.76	139.92 7.02 -74.85	146.67 4.27 -105.98	101.74 7.76 -24.27	90.42 3.81 -53.55	83.34 4.09 -44.56	57.96 4.12 -16.69	43.54 4.38 0.00	44.56 4.68 -0.63	70.66 6.11 -15.65	129.33 10.44 -31.64	145.84 9.22 -62.62	156.95 3.60 -126.58	153.19 4.03 -118.00	123.38 10.27 -31.88	119.86 10.53 -23.50	137.72 14.39 0.00	113.39 10.92 -5.21	107.05 10.29 0.00
SOUTH_FORK_WT_PWR 323839	84.09 8.20 -3.69	108.35 10.78 -3.62	112.44 11.38 0.00	80.63 4.89 -33.86	92.45 7.46 -20.77	77.35 3.49 -43.76	139.95 7.06 -74.85	146.69 4.29 -105.98	101.74 7.76 -24.27	90.42 3.81 -53.55	83.33 4.08 -44.56	57.94 4.09 -16.69	43.54 4.37 0.00	44.54 4.66 -0.63	70.64 6.10 -15.65	129.31 10.43 -31.64	145.87 9.24 -62.62	156.96 3.61 -126.58	153.20 4.04 -118.00	123.36 10.25 -31.88	119.85 10.52 -23.50	137.71 14.38 0.00	113.38 10.91 -5.21	107.04 10.28 0.00
SPIERFLS_115KV_TB 1 80737	94.93 6.66 -16.07	107.11 8.59 -4.58	110.19 9.14 0.00	94.48 3.86 -48.74	114.68 6.09 -44.37	137.39 2.99 -104.30	282.10 6.16 -217.90	267.87 3.81 -227.64	129.36 6.84 -52.81	103.75 2.96 -67.73	93.89 2.84 -56.36	61.01 2.75 -21.11	41.87 2.71 0.00	42.80 2.75 -0.79	56.41 3.73 -3.78	94.58 7.34 0.00	107.01 6.74 -26.27	173.72 2.66 -144.29	183.51 3.10 -149.25	135.53 7.84 -46.47	132.20 8.21 -38.18	134.68 11.34 0.00	112.38 8.54 -6.59	105.09 8.33 0.00
ST LAWRENCE____ 23600	71.14 -1.06 0.00	92.54 -1.40 0.00	99.72 -1.33 0.00	41.23 -0.65 0.00	63.12 -1.10 0.00	29.41 -0.68 0.00	56.51 -1.54 0.00	35.43 -0.99 0.00	67.04 -1.71 0.96	32.22 -0.75 0.09	34.06 -0.63 0.00	36.59 -0.56 0.00	38.70 -0.47 0.00	38.77 -0.48 0.00	48.31 -0.59 0.00	86.21 -1.03 0.00	72.84 -1.16 0.00	25.94 -0.73 0.10	15.59 -0.82 14.75	51.19 -1.67 28.36	73.72 -1.79 10.31	121.47 -1.86 0.00	95.67 -1.59 0.00	95.75 -1.01 0.00
STATE_CA_115KV_115_LB 55624	87.19 3.51 -11.48	102.87 4.46 -4.47	105.66 4.61 0.00	89.28 2.04 -45.36	103.93 3.09 -36.63	115.29 1.45 -83.75	227.82 2.68 -167.10	224.69 1.58 -186.69	116.01 3.27 -43.04	100.67 1.55 -66.05	91.21 1.56 -54.97	59.47 1.73 -20.58	40.86 1.69 0.00	41.71 1.68 -0.77	54.62 2.03 -3.69	90.70 3.46 0.00	102.65 3.02 -25.62	168.48 1.00 -140.70	177.88 1.18 -145.55	127.29 3.10 -42.96	123.08 3.26 -33.99	127.88 4.55 0.00	107.86 4.18 -6.43	100.84 4.08 0.00



STATE_ST_34_KV_LOAD 55959	73.08 -0.59 -1.47	93.57 -0.82 -0.46	100.19 -1.16 -0.29	47.20 -0.45 -5.77	66.43 -0.46 -2.67	36.20 -0.02 -6.12	67.24 0.16 -9.04	49.87 0.15 -13.30	72.80 -0.02 -3.11	39.87 -0.31 -7.12	39.81 -0.53 -5.65	38.52 -0.75 -2.12	38.33 -0.84 0.00	38.45 -0.89 -0.08	48.06 -1.22 -0.38	86.15 -1.77 -0.68	81.72 -0.78 -8.49	41.73 0.09 -14.86	46.28 0.13 -15.00	89.68 -0.13 -8.58	88.76 -0.06 -2.99	122.53 -1.13 -0.33	97.09 -1.15 -0.99	95.79 -0.97 0.00
STATION 5_MISC_HYD 23604	66.93 -3.74 1.54	89.52 -4.86 -0.44	95.01 -5.59 0.46	41.05 -2.41 -1.58	62.76 -3.28 -1.82	31.37 -1.36 -2.64	61.50 -2.09 -5.55	44.87 -1.48 -9.93	68.92 -3.04 -2.25	37.38 -1.76 -6.08	38.03 -2.10 -5.44	36.81 -2.38 -2.03	36.56 -2.63 -0.03	36.60 -2.80 -0.14	45.91 -3.43 -0.43	80.51 -5.80 0.93	62.90 -4.66 6.45	38.80 -1.38 -13.40	44.07 -1.51 -14.42	73.48 -4.52 3.23	84.38 -4.08 -2.63	116.36 -6.60 0.37	92.26 -5.19 -0.19	91.99 -4.77 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	68.17 -2.50 1.53	91.07 -3.31 -0.44	96.72 -3.87 0.46	41.85 -1.63 -1.60	63.95 -2.09 -1.82	31.99 -0.76 -2.65	62.54 -0.97 -5.48	45.59 -0.64 -9.81	70.24 -1.56 -2.10	38.00 -1.08 -6.02	38.75 -1.37 -5.43	37.49 -1.69 -2.03	37.26 -1.90 0.00	37.31 -2.02 -0.08	46.80 -2.46 -0.36	82.22 -3.97 1.05	64.57 -2.85 6.59	39.36 -0.68 -13.26	44.73 -0.73 -14.30	75.33 -2.47 3.42	86.12 -2.24 -2.53	118.70 -4.13 0.51	94.11 -3.27 -0.13	93.73 -3.03 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	66.76 -3.94 1.50	89.23 -5.15 -0.44	94.71 -5.90 0.45	40.97 -2.51 -1.59	62.59 -3.43 -1.80	31.28 -1.45 -2.63	61.27 -2.27 -5.50	44.71 -1.54 -9.84	68.72 -3.21 -2.23	37.28 -1.82 -6.03	37.99 -2.10 -5.40	36.71 -2.45 -2.01	36.46 -2.73 -0.03	36.54 -2.85 -0.14	45.84 -3.48 -0.43	80.43 -5.90 0.91	63.02 -4.70 6.29	38.68 -1.38 -13.29	43.91 -1.54 -14.29	73.46 -4.64 3.12	84.12 -4.31 -2.61	116.02 -6.95 0.37	92.02 -5.44 -0.19	91.76 -5.00 0.00
STA_56__34_KV_BUS2 355983	66.76 -3.94 1.50	89.23 -5.15 -0.44	94.71 -5.90 0.45	40.97 -2.51 -1.59	62.59 -3.43 -1.80	31.28 -1.45 -2.63	61.27 -2.27 -5.50	44.71 -1.54 -9.84	68.72 -3.21 -2.23	37.28 -1.82 -6.03	37.99 -2.10 -5.40	36.71 -2.45 -2.01	36.46 -2.73 -0.03	36.54 -2.85 -0.14	45.84 -3.48 -0.43	80.43 -5.90 0.91	63.02 -4.70 6.29	38.68 -1.38 -13.29	43.91 -1.54 -14.29	73.46 -4.64 3.12	84.12 -4.31 -2.61	116.02 -6.95 0.37	92.02 -5.44 -0.19	91.76 -5.00 0.00
STA_67__115KV_BK2 355882	66.75 -3.92 1.53	89.26 -5.12 -0.44	94.73 -5.87 0.46	40.94 -2.51 -1.58	62.61 -3.42 -1.81	31.29 -1.45 -2.64	61.32 -2.26 -5.54	44.77 -1.56 -9.91	68.72 -3.23 -2.25	37.29 -1.84 -6.07	38.01 -2.12 -5.44	36.69 -2.49 -2.03	36.42 -2.77 -0.03	36.49 -2.90 -0.14	45.80 -3.53 -0.43	80.28 -6.03 0.93	62.75 -4.81 6.44	38.73 -1.42 -13.38	43.97 -1.59 -14.40	73.22 -4.77 3.23	84.06 -4.39 -2.63	115.97 -6.99 0.37	91.99 -5.46 -0.19	91.78 -4.98 0.00
STA_7__115KV_9TRANS 80674	67.32 -3.34 1.54	89.99 -4.39 -0.44	95.49 -5.10 0.46	41.26 -2.20 -1.58	63.11 -2.93 -1.82	31.54 -1.20 -2.64	61.85 -1.74 -5.55	45.13 -1.22 -9.93	69.37 -2.59 -2.25	37.59 -1.56 -6.08	38.30 -1.83 -5.45	37.00 -2.18 -2.03	36.74 -2.45 -0.03	36.82 -2.57 -0.14	46.20 -3.13 -0.43	81.08 -5.22 0.93	63.48 -4.07 6.45	39.03 -1.14 -13.40	44.33 -1.25 -14.42	74.05 -3.94 3.23	84.93 -3.53 -2.63	117.09 -5.87 0.37	92.84 -4.61 -0.19	92.60 -4.16 0.00
STA_82__115KV_TB1 80780	66.75 -3.90 1.55	89.31 -5.07 -0.44	94.78 -5.81 0.46	40.95 -2.50 -1.57	62.66 -3.39 -1.82	31.32 -1.43 -2.65	61.40 -2.23 -5.59	44.87 -1.54 -9.99	68.79 -3.21 -2.29	37.36 -1.82 -6.12	38.04 -2.12 -5.47	36.70 -2.49 -2.04	36.43 -2.77 -0.03	36.51 -2.90 -0.15	45.82 -3.53 -0.44	80.32 -6.00 0.92	62.72 -4.80 6.49	38.85 -1.40 -13.48	44.10 -1.57 -14.51	73.25 -4.74 3.24	84.17 -4.31 -2.66	116.02 -6.96 0.35	92.04 -5.42 -0.20	91.81 -4.95 0.00
STEEL__WIND 323596	51.23 -6.45 14.52	69.02 -8.39 16.53	74.60 -9.55 16.91	30.52 -4.19 7.17	56.22 -5.79 2.21	25.33 -2.54 2.22	48.48 -4.29 5.26	26.08 -3.05 7.29	42.48 -5.91 21.32	23.25 -3.69 6.59	25.92 -3.53 5.08	27.83 -4.14 5.18	24.71 -4.42 10.03	24.69 -4.58 9.99	32.95 -5.58 10.37	56.66 -9.89 20.69	31.04 -8.46 34.51	18.71 -2.81 5.25	25.13 -3.11 2.92	39.73 -8.62 32.87	64.86 -7.82 13.14	89.44 -11.79 22.10	76.56 -9.01 11.69	87.93 -8.45 0.38
STEPHTWN_115KV_BK_2 55603	85.87 4.08 -9.60	103.64 5.28 -4.42	106.34 5.29 0.00	88.21 2.38 -43.95	101.28 3.63 -33.43	107.09 1.73 -75.27	205.52 3.33 -144.15	201.92 1.94 -163.57	111.78 3.75 -38.33	100.13 1.74 -65.33	90.81 1.76 -54.36	59.39 1.88 -20.36	41.13 1.96 0.00	41.87 1.85 -0.76	54.86 2.31 -3.65	91.21 3.97 0.00	102.86 3.52 -25.34	167.20 1.27 -139.16	176.60 1.48 -143.96	126.38 3.84 -41.32	122.01 4.18 -32.00	128.84 5.51 0.00	108.50 4.88 -6.36	101.60 4.84 0.00
STEUBEN_REC_LFGE 323667	85.84 -4.63 -18.28	125.19 -6.00 -37.25	125.72 -6.88 -31.55	51.29 -2.80 -12.20	77.09 -3.89 -16.75	51.31 -1.52 -22.73	109.01 -2.45 -53.43	110.98 -1.58 -76.14	125.60 -3.57 -59.46	70.35 -2.07 -39.35	68.23 -2.58 -36.12	54.23 -3.45 -20.52	57.01 -3.58 -21.42	57.23 -3.66 -21.64	68.25 -4.42 -23.78	113.17 -7.69 -33.63	64.30 -5.68 4.02	95.22 -1.48 -69.93	102.16 -1.68 -72.67	95.57 -4.91 -19.26	122.30 -4.98 -41.46	157.01 -8.43 -42.10	113.47 -6.67 -22.88	91.06 -6.50 -0.80
STILLWATER__SOLAR 323814	92.95 5.30 -15.45	105.39 6.89 -4.55	108.33 7.28 0.00	93.17 3.10 -48.19	112.33 4.85 -43.27	133.84 2.33 -101.41	273.73 4.74 -210.95	261.66 2.93 -222.31	126.56 5.30 -51.56	102.75 2.34 -67.34	92.98 2.25 -56.04	60.41 2.27 -20.99	41.38 2.21 0.00	42.30 2.26 -0.79	55.72 3.06 -3.76	93.16 5.92 0.00	105.56 5.44 -26.12	172.35 2.11 -143.46	182.02 2.46 -148.40	133.41 6.25 -45.94	130.02 6.61 -37.59	132.43 9.10 0.00	110.75 6.94 -6.55	103.47 6.71 0.00
STONY__BROOK 24151	82.45 6.57 -3.69	105.86 8.30 -3.62	109.65 8.60 0.00	79.43 3.69 -33.86	90.61 5.62 -20.77	76.54 2.68 -43.76	138.28 5.38 -74.85	145.74 3.34 -105.98	100.17 6.18 -24.27	89.76 3.15 -53.55	82.78 3.52 -44.56	57.47 3.63 -16.69	42.97 3.81 0.00	43.87 3.99 -0.63	69.73 5.19 -15.65	127.69 8.81 -31.64	144.19 7.56 -62.62	156.15 2.80 -126.58	152.22 3.06 -118.00	120.91 7.80 -31.88	117.38 8.05 -23.50	134.72 11.39 0.00	111.20 8.73 -5.21	104.97 8.21 0.00
STURGEON_POOL_HYD 23609	81.12 4.54 -4.38	103.35 5.70 -3.71	107.10 6.05 0.00	79.43 2.54 -35.01	90.39 3.93 -22.24	79.48 1.95 -47.43	145.01 4.02 -82.95	151.72 2.62 -112.67	100.48 4.87 -25.90	90.28 2.31 -54.91	82.85 2.47 -45.69	56.89 2.63 -17.11	41.88 2.71 0.00	42.67 2.77 -0.64	55.47 3.50 -3.07	93.30 6.06 0.00	100.56 5.26 -21.29	145.74 2.00 -116.97	154.49 2.33 -121.00	120.01 5.81 -32.97	116.28 5.97 -24.49	131.26 7.92 0.00	108.54 5.95 -5.34	102.31 5.55 0.00
ST_LAW_115_BK7_LBMP 345037	71.13 -1.08 0.00	92.53 -1.41 0.00	99.71 -1.34 0.00	41.21 -0.67 0.00	63.09 -1.13 0.00	29.39 -0.71 0.00	56.44 -1.60 0.00	35.39 -1.03 0.00	66.98 -1.77 0.95	32.20 -0.78 0.09	34.05 -0.65 0.00	36.58 -0.58 0.00	38.69 -0.48 0.00	38.77 -0.48 0.00	48.30 -0.60 0.00	86.21 -1.03 0.00	72.83 -1.17 0.00	25.92 -0.75 0.10	15.64 -0.85 14.67	51.30 -1.74 28.19	73.74 -1.84 10.25	121.47 -1.86 0.00	95.67 -1.59 0.00	95.78 -0.98 0.00



ST_LAW_115_BK8_LBMP 345038	71.13 -1.08 0.00	92.53 -1.41 0.00	99.71 -1.34 0.00	41.21 -0.67 0.00	63.09 -1.13 0.00	29.39 -0.71 0.00	56.44 -1.60 0.00	35.39 -1.03 0.00	66.98 -1.77 0.95	32.20 -0.78 0.09	34.05 -0.65 0.00	36.58 -0.58 0.00	38.69 -0.48 0.00	38.77 -0.48 0.00	48.30 -0.60 0.00	86.21 -1.03 0.00	72.83 -1.17 0.00	25.92 -0.75 0.10	15.64 -0.85 14.67	51.30 -1.74 28.19	73.74 -1.84 10.25	121.47 -1.86 0.00	95.67 -1.59 0.00	95.78 -0.98 0.00
ST_LAW_230_BK5_LBMP 345035	71.14 -1.06 0.00	92.54 -1.40 0.00	99.72 -1.33 0.00	41.23 -0.65 0.00	63.12 -1.10 0.00	29.41 -0.68 0.00	56.51 -1.54 0.00	35.43 -0.99 0.00	67.03 -1.71 0.97	32.22 -0.75 0.09	34.06 -0.63 0.00	36.59 -0.56 0.00	38.70 -0.47 0.00	38.77 -0.48 0.00	48.31 -0.59 0.00	86.21 -1.03 0.00	72.84 -1.16 0.00	25.94 -0.73 0.10	15.36 -0.82 14.98	50.77 -1.67 28.78	73.57 -1.79 10.46	121.47 -1.86 0.00	95.67 -1.59 0.00	95.75 -1.01 0.00
ST_LAW_230_BK6_LBMP 345036	71.14 -1.06 0.00	92.54 -1.40 0.00	99.72 -1.33 0.00	41.23 -0.65 0.00	63.12 -1.10 0.00	29.41 -0.68 0.00	56.51 -1.54 0.00	35.43 -0.99 0.00	67.03 -1.71 0.97	32.22 -0.75 0.09	34.06 -0.63 0.00	36.59 -0.56 0.00	38.70 -0.47 0.00	38.77 -0.48 0.00	48.31 -0.59 0.00	86.21 -1.03 0.00	72.84 -1.16 0.00	25.94 -0.73 0.10	15.36 -0.82 14.98	50.77 -1.67 28.78	73.57 -1.79 10.46	121.47 -1.86 0.00	95.67 -1.59 0.00	95.75 -1.01 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	79.54 3.90 -3.44	102.20 4.88 -3.38	106.18 5.13 0.00	75.74 2.22 -31.64	87.03 3.40 -19.41	72.69 1.71 -40.89	131.47 3.52 -69.91	137.75 2.34 -99.00	96.69 4.31 -22.68	85.17 2.06 -50.05	78.56 2.22 -41.65	55.12 2.37 -15.60	41.60 2.43 0.00	42.36 2.52 -0.59	54.84 3.15 -2.79	92.56 5.32 0.00	97.99 4.58 -19.41	135.16 1.78 -106.61	143.51 2.07 -110.28	116.11 5.09 -29.79	112.99 5.21 -21.96	130.25 6.92 0.00	107.40 5.28 -4.87	101.65 4.90 0.00
SWANROAD_115KV_TB1 355699	53.00 -8.01 11.19	71.11 -10.39 12.43	76.47 -11.68 12.91	31.87 -5.07 4.94	55.96 -7.15 1.11	26.27 -3.19 0.64	50.78 -5.63 1.63	30.23 -4.13 2.06	47.13 -7.88 14.69	25.79 -4.04 3.23	27.78 -4.39 2.52	28.66 -5.02 3.48	26.24 -5.46 7.46	26.30 -5.72 7.23	34.51 -6.96 7.43	59.65 -12.39 15.20	36.89 -10.90 26.22	22.84 -3.72 0.21	28.62 -4.19 -1.66	45.60 -11.47 24.15	66.61 -10.41 8.81	91.79 -15.42 16.12	77.14 -11.67 8.45	85.97 -10.50 0.29
SYNERGY___BIOGAS 323694	60.14 -4.35 7.70	80.20 -5.67 8.06	85.80 -6.60 8.66	36.36 -2.89 2.63	60.44 -3.86 -0.08	29.61 -1.55 -1.06	57.92 -2.22 -2.10	38.03 -1.73 -3.34	58.25 -3.48 7.98	30.98 -2.28 -0.19	32.01 -2.88 -0.20	32.19 -3.32 1.64	30.73 -3.65 4.78	30.98 -3.84 4.44	39.83 -4.61 4.46	69.61 -7.91 9.72	49.59 -6.16 18.26	29.88 -1.77 -4.88	35.60 -1.89 -6.34	60.00 -5.53 15.70	76.74 -4.68 4.40	105.58 -7.63 10.12	86.08 -5.98 5.19	91.19 -5.38 0.19
SYRACUSE___ENERGY_ST1 323597	71.09 -1.11 0.00	92.86 -1.45 -0.37	99.29 -1.77 0.00	44.41 -0.72 -3.24	64.78 -0.96 -1.52	32.66 -0.29 -2.85	62.21 -0.38 -4.56	44.41 -0.19 -8.18	70.86 -0.60 -1.75	38.07 -0.43 -5.44	38.60 -0.61 -4.52	38.08 -0.77 -1.69	38.31 -0.85 0.00	38.44 -0.88 -0.06	48.11 -1.10 -0.30	85.51 -1.73 0.00	75.03 -1.08 -2.11	38.24 -0.11 -11.58	42.98 -0.16 -11.98	83.45 -0.81 -3.04	87.14 -0.80 -2.11	121.65 -1.68 0.00	96.31 -1.48 -0.53	95.23 -1.52 0.00
SYRACUSE___ENERGY_ST2 323598	71.09 -1.11 0.00	92.86 -1.45 -0.37	99.29 -1.77 0.00	44.41 -0.72 -3.24	64.78 -0.96 -1.52	32.66 -0.29 -2.85	62.21 -0.38 -4.56	44.41 -0.19 -8.18	70.86 -0.60 -1.75	38.07 -0.43 -5.44	38.60 -0.61 -4.52	38.08 -0.77 -1.69	38.31 -0.85 0.00	38.44 -0.88 -0.06	48.11 -1.10 -0.30	85.51 -1.73 0.00	75.03 -1.08 -2.11	38.24 -0.11 -11.58	42.98 -0.16 -11.98	83.45 -0.81 -3.04	87.14 -0.80 -2.11	121.65 -1.68 0.00	96.31 -1.48 -0.53	95.23 -1.52 0.00
SYRACUSE___POWER 24017	71.79 -1.08 -0.66	92.90 -1.42 -0.38	99.51 -1.74 -0.20	45.55 -0.71 -4.38	64.84 -0.96 -1.58	33.11 -0.29 -3.31	62.44 -0.35 -4.75	44.78 -0.17 -8.53	70.98 -0.55 -1.82	38.53 -0.42 -5.89	38.81 -0.60 -4.72	38.16 -0.76 -1.77	38.34 -0.82 0.00	38.46 -0.86 -0.07	48.14 -1.07 -0.32	85.99 -1.71 -0.46	79.10 -1.09 -6.18	39.01 -0.11 -12.35	43.52 -0.15 -12.52	86.68 -0.79 -6.25	87.24 -0.79 -2.20	121.94 -1.62 -0.22	96.63 -1.40 -0.77	95.23 -1.52 0.00
TALLMAN___138KV_BK151 55660	79.85 4.12 -3.53	102.55 5.14 -3.47	106.47 5.41 0.00	76.70 2.33 -32.49	87.72 3.58 -19.92	73.87 1.80 -41.97	133.52 3.70 -71.78	140.57 2.51 -101.64	97.61 4.62 -23.28	86.69 2.25 -51.38	79.89 2.44 -42.75	55.78 2.61 -16.01	41.86 2.69 0.00	42.64 2.78 -0.60	55.24 3.47 -2.87	93.03 5.79 0.00	98.85 4.92 -19.93	138.13 1.91 -109.45	146.62 2.24 -113.22	117.30 5.49 -30.59	113.98 5.61 -22.55	130.76 7.43 0.00	107.93 5.67 -5.00	102.02 5.26 0.00
TEALLAVE_115KV_TB7 355573	70.63 -1.57 0.00	92.21 -2.05 -0.32	98.67 -2.38 0.00	43.71 -0.99 -2.82	64.15 -1.38 -1.32	32.09 -0.48 -2.48	61.24 -0.76 -3.96	43.11 -0.43 -7.11	70.20 -1.02 -1.52	37.18 -0.62 -4.73	37.84 -0.79 -3.93	37.66 -0.97 -1.47	38.11 -1.06 0.00	38.22 -1.09 -0.06	47.81 -1.36 -0.26	85.02 -2.22 0.00	74.27 -1.57 -1.83	36.54 -0.31 -10.07	41.19 -0.38 -10.42	82.49 -1.38 -2.64	86.26 -1.40 -1.84	120.82 -2.52 0.00	95.64 -2.08 -0.46	94.61 -2.14 0.00
TELGRAPH_34_KV_EAST 80808	56.52 -6.33 9.35	75.57 -8.23 10.14	81.07 -9.31 10.67	34.10 -4.05 3.73	58.14 -5.58 0.50	27.89 -2.44 -0.23	54.57 -4.05 -0.58	34.60 -2.97 -1.15	53.27 -5.81 10.63	28.72 -3.16 1.18	30.11 -3.54 1.04	30.51 -4.11 2.53	28.73 -4.49 5.95	29.01 -4.70 5.54	37.59 -5.67 5.63	65.35 -10.04 11.85	44.32 -8.47 21.22	26.97 -2.73 -2.93	32.61 -3.04 -4.50	53.82 -8.58 18.83	71.99 -7.68 6.16	99.09 -11.77 12.47	81.78 -8.98 6.49	88.48 -8.04 0.24
TEMPLE___115KV_TB 2 55572	70.64 -1.56 0.00	92.25 -2.02 -0.32	98.69 -2.37 0.00	43.77 -0.97 -2.86	64.21 -1.35 -1.34	32.14 -0.47 -2.51	61.32 -0.73 -4.02	43.22 -0.42 -7.21	70.26 -0.98 -1.54	37.26 -0.59 -4.79	37.91 -0.77 -3.99	37.71 -0.94 -1.49	38.13 -1.03 0.00	38.25 -1.07 -0.06	47.85 -1.32 -0.27	85.08 -2.16 0.00	74.35 -1.52 -1.86	36.69 -0.29 -10.21	41.35 -0.37 -10.56	82.53 -1.37 -2.68	86.31 -1.37 -1.86	120.91 -2.42 0.00	95.72 -2.01 -0.47	94.65 -2.10 0.00
TIANA____69_KV_BK 1 55817	82.92 7.03 -3.69	106.71 9.15 -3.62	110.68 9.63 0.00	79.86 4.12 -33.86	91.28 6.30 -20.77	76.77 2.92 -43.76	138.76 5.86 -74.85	145.93 3.53 -105.98	100.39 6.41 -24.27	89.86 3.25 -53.55	82.82 3.56 -44.56	57.42 3.58 -16.69	43.00 3.84 0.00	44.02 4.14 -0.63	69.94 5.39 -15.65	127.96 9.07 -31.64	144.56 7.94 -62.62	156.41 3.06 -126.58	152.54 3.38 -118.00	121.69 8.58 -31.88	118.14 8.81 -23.50	135.44 12.10 0.00	111.66 9.20 -5.21	105.40 8.65 0.00
TILDEN___115KV_TB1 80814	71.79 -1.08 -0.66	92.90 -1.42 -0.38	99.51 -1.74 -0.20	45.55 -0.71 -4.38	64.84 -0.96 -1.58	33.11 -0.29 -3.31	62.44 -0.35 -4.75	44.78 -0.17 -8.53	70.98 -0.55 -1.82	38.53 -0.42 -5.89	38.81 -0.60 -4.72	38.16 -0.76 -1.77	38.34 -0.82 0.00	38.46 -0.86 -0.07	48.14 -1.07 -0.32	85.99 -1.71 -0.46	79.10 -1.09 -6.18	39.01 -0.11 -12.35	43.52 -0.15 -12.52	86.68 -0.79 -6.25	87.24 -0.79 -2.20	121.94 -1.62 -0.22	96.63 -1.40 -0.77	95.23 -1.52 0.00



TRIGEN___CC 323695	81.63 5.74 -3.69	104.77 7.21 -3.62	108.60 7.54 0.00	78.95 3.21 -33.86	89.92 4.93 -20.77	76.28 2.42 -43.76	137.67 4.78 -74.85	145.47 3.07 -105.98	99.77 5.79 -24.27	89.50 2.89 -53.55	82.49 3.24 -44.56	57.30 3.45 -16.69	42.76 3.59 0.00	43.61 3.73 -0.63	69.28 4.73 -15.65	126.87 7.98 -31.64	143.31 6.69 -62.62	155.89 2.54 -126.58	152.01 2.85 -118.00	120.29 7.18 -31.88	116.71 7.38 -23.50	133.37 10.04 0.00	110.04 7.57 -5.21	103.88 7.12 0.00
TRINITY___115KV___4 BK 55933	85.33 3.25 -9.88	102.52 4.15 -4.43	105.33 4.27 0.00	87.96 1.90 -44.18	101.02 2.88 -33.92	108.00 1.34 -76.56	209.33 2.43 -148.86	208.44 1.45 -170.56	111.88 2.95 -39.23	99.95 1.43 -65.46	90.59 1.42 -54.48	59.15 1.59 -20.40	40.71 1.54 0.00	41.55 1.53 -0.77	54.39 1.83 -3.65	90.31 3.07 0.00	102.07 2.68 -25.39	167.09 0.87 -139.45	176.42 1.01 -144.26	125.54 2.69 -41.63	121.07 2.86 -32.38	127.35 4.02 0.00	107.43 3.81 -6.37	100.52 3.76 0.00
UNION___PROCESSING_DRP 323587	66.77 -3.88 1.55	89.33 -5.06 -0.44	94.79 -5.80 0.46	40.97 -2.49 -1.58	62.67 -3.38 -1.82	31.33 -1.42 -2.65	61.43 -2.21 -5.60	44.91 -1.53 -10.01	68.84 -3.17 -2.31	37.38 -1.82 -6.13	38.06 -2.12 -5.48	36.71 -2.49 -2.04	36.43 -2.77 -0.04	36.52 -2.89 -0.16	45.83 -3.52 -0.45	80.34 -5.99 0.91	62.75 -4.78 6.47	38.88 -1.40 -13.52	44.13 -1.56 -14.53	73.30 -4.71 3.21	84.19 -4.31 -2.67	116.08 -6.92 0.34	92.08 -5.38 -0.21	91.84 -4.92 0.00
UPPER HUDSON___HYD 24058	94.92 6.65 -16.07	107.11 8.59 -4.58	110.19 9.14 0.00	94.49 3.86 -48.74	114.69 6.10 -44.37	137.39 2.99 -104.30	282.11 6.17 -217.90	267.87 3.81 -227.64	129.36 6.84 -52.81	103.75 2.96 -67.73	93.89 2.83 -56.36	61.02 2.75 -21.11	41.87 2.71 0.00	42.79 2.75 -0.79	56.41 3.73 -3.78	94.57 7.33 0.00	107.01 6.74 -26.27	173.71 2.66 -144.29	183.51 3.10 -149.25	135.54 7.84 -46.47	132.21 8.21 -38.18	134.67 11.34 0.00	112.38 8.54 -6.59	105.07 8.31 0.00
UPPER RAQUET___HYD 24056	72.06 -0.14 0.00	93.76 -0.19 0.00	100.64 -0.42 0.00	41.58 -0.30 0.00	63.69 -0.53 0.00	29.41 -0.69 0.00	56.27 -1.77 0.00	35.16 -1.26 0.00	66.69 -2.26 0.76	32.01 -0.98 0.07	33.93 -0.76 0.00	36.34 -0.81 0.00	38.42 -0.75 0.00	38.71 -0.54 0.00	48.25 -0.65 0.00	85.80 -1.44 0.00	72.42 -1.58 0.00	25.83 -0.86 0.08	18.49 -0.97 11.69	56.66 -2.10 22.47	75.56 -2.10 8.17	122.36 -0.97 0.00	96.07 -1.19 0.00	96.43 -0.33 0.00
VALLEY44_115KV_TB2 355964	60.29 -4.23 7.67	82.29 -5.37 6.29	87.22 -6.29 7.55	36.71 -2.91 2.26	62.03 -3.81 -1.62	31.68 -1.70 -3.29	61.55 -2.90 -6.41	43.76 -2.23 -9.57	59.79 -4.21 5.70	33.45 -2.52 -2.91	35.33 -2.59 -3.23	34.05 -2.99 0.12	32.36 -2.75 4.06	32.51 -2.76 3.98	41.71 -6.34 3.86	70.92 -6.05 9.99	42.92 -6.05 25.03	35.15 -2.09 -10.47	41.55 -2.31 -12.70	55.09 -6.18 19.96	77.49 -5.80 2.53	105.24 -8.36 9.73	86.25 -6.12 4.88	90.86 -5.75 0.15
VALLEY___115KV_TB 1-4 80826	74.04 1.84 0.00	96.28 2.34 0.00	103.44 2.38 0.00	43.01 1.13 0.00	66.05 1.84 0.00	31.13 1.03 0.00	60.26 2.22 0.00	37.72 1.30 0.00	71.71 1.95 -0.05	33.76 0.70 -0.01	35.18 0.49 0.00	37.46 0.31 0.00	39.35 0.19 0.00	39.55 0.30 0.00	49.23 0.34 0.00	88.34 1.09 0.00	75.50 1.49 0.00	27.61 0.83 -0.01	32.85 0.86 -0.83	84.91 2.10 -1.60	88.51 2.11 -0.58	125.76 2.43 0.00	99.12 1.86 0.00	98.35 1.59 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	79.80 4.40 -3.20	101.39 5.88 -1.57	107.34 6.29 0.00	59.99 2.64 -15.47	79.89 4.15 -11.52	57.97 2.10 -25.78	110.70 4.42 -48.23	97.43 2.82 -58.19	88.48 5.20 -13.57	58.49 2.26 -23.16	56.32 2.36 -19.27	46.72 2.34 -7.22	42.36 3.20 0.00	42.03 2.51 -0.27	53.17 2.98 -1.29	92.56 5.31 0.00	87.73 4.74 -8.98	77.99 1.88 -49.34	84.35 2.16 -51.04	101.32 5.45 -14.64	102.59 5.42 -11.34	130.39 7.06 0.00	105.20 5.69 -2.25	102.31 5.56 0.00
VISCHER___FERRY HYD 24020	89.94 4.25 -13.49	103.85 5.43 -4.48	106.80 5.75 0.00	90.89 2.46 -46.55	107.93 3.84 -39.88	124.39 1.82 -92.48	251.02 3.56 -189.43	244.55 2.19 -205.93	121.55 4.16 -47.69	101.37 2.01 -66.30	91.86 2.00 -55.17	59.87 2.06 -20.66	41.14 1.97 0.00	42.05 2.02 -0.78	55.28 2.68 -3.70	92.08 4.84 0.00	103.98 4.26 -25.71	169.60 1.59 -141.24	179.13 1.87 -146.10	130.38 4.78 -44.37	126.80 5.14 -35.83	130.36 7.03 0.00	109.22 5.50 -6.45	102.13 5.37 0.00
V_A_10_SYNC_DSASP 323832	58.40 -6.34 7.46	77.87 -8.21 7.86	83.37 -9.26 8.42	35.42 -3.99 2.47	58.70 -5.61 -0.09	28.68 -2.50 -1.08	55.01 -4.29 -1.26	35.46 -3.04 -2.08	54.46 -5.95 9.30	29.39 -3.15 0.53	31.13 -3.54 0.01	31.64 -3.92 1.60	29.96 -4.26 4.94	29.84 -4.48 4.94	38.45 -5.45 5.00	66.87 -9.67 10.70	46.21 -8.31 19.49	27.39 -2.75 -3.36	33.04 -3.08 -4.97	55.28 -8.60 17.34	72.62 -7.95 5.26	100.14 -11.99 11.21	82.38 -9.16 5.72	88.22 -8.35 0.18
V_CMM_10_SYNC_DSASP 323787	71.46 -0.74 0.00	92.97 -0.97 0.00	100.15 -0.90 0.00	41.42 -0.46 0.00	63.40 -0.81 0.00	29.54 -0.56 0.00	56.75 -1.30 0.00	35.58 -0.84 0.00	67.35 -1.41 0.95	32.36 -0.62 0.09	34.22 -0.47 0.00	36.77 -0.39 0.00	38.89 -0.28 0.00	38.96 -0.29 0.00	48.55 -0.34 0.00	86.67 -0.58 0.00	73.21 -0.80 0.00	26.05 -0.62 0.10	15.80 -0.69 14.67	51.70 -1.33 28.19	74.15 -1.43 10.25	122.05 -1.28 0.00	96.16 -1.10 0.00	96.25 -0.50 0.00
V_CMP_10_SYNC_DSASP 323788	72.03 -0.17 0.00	93.53 -0.41 0.00	100.50 -0.56 0.00	41.55 -0.33 0.00	63.45 -0.77 0.00	29.44 -0.66 0.00	56.39 -1.65 0.00	35.33 -1.09 0.00	66.71 -2.04 0.96	27.06 -1.06 4.94	14.25 -1.01 19.43	-26.56 -1.05 62.67	-10.35 -1.00 48.52	0.25 -0.97 38.03	19.72 -1.16 28.02	78.08 -1.85 7.31	-0.59 -1.84 72.75	-25.56 -0.96 51.37	-18.66 -1.08 48.73	28.98 -2.27 49.98	73.29 -2.26 10.28	120.71 -2.62 0.00	86.68 -2.45 8.12	95.24 -1.52 0.00
V_D_10_SYNC_DSASP 323841	71.88 -0.32 0.00	93.52 -0.42 0.00	100.71 -0.35 0.00	41.63 -0.25 0.00	63.73 -0.48 0.00	29.66 -0.44 0.00	56.97 -1.07 0.00	35.70 -0.72 0.00	67.58 -1.20 0.92	32.46 -0.52 0.08	34.33 -0.36 0.00	36.86 -0.30 0.00	38.97 -0.19 0.00	39.09 -0.17 0.00	48.72 -0.18 0.00	86.96 -0.27 0.00	73.45 -0.55 0.00	26.16 -0.52 0.10	16.39 -0.57 14.20	52.90 -1.05 27.28	74.81 -1.10 9.91	122.66 -0.67 0.00	96.58 -0.68 0.00	96.74 -0.02 0.00
V_E_10_SYNC_DSASP 323830	84.80 4.68 -7.91	104.17 6.28 -3.95	111.12 6.15 -3.91	62.93 2.59 -18.45	76.44 3.99 -8.23	51.53 2.10 -19.34	94.23 4.76 -31.43	80.50 3.00 -41.08	86.99 4.53 -12.76	54.84 1.42 -20.36	51.76 1.24 -15.83	44.36 0.73 -6.47	41.75 0.76 -1.82	41.49 0.34 -1.90	52.30 0.68 -2.72	95.41 2.16 -6.00	111.98 3.01 -34.96	69.04 1.51 -40.75	73.19 1.71 -40.33	119.08 4.18 -33.67	101.00 4.69 -10.49	134.19 5.96 -4.89	105.81 3.63 -4.92	99.65 2.83 -0.06
V_F_30_NSYNC___DSASP 323816	93.22 5.30 -15.71	105.40 6.90 -4.56	108.37 7.32 0.00	93.41 3.11 -48.42	112.81 4.85 -43.74	135.08 2.34 -102.64	276.70 4.75 -213.91	263.94 2.94 -224.58	127.14 5.34 -52.09	102.93 2.36 -67.51	93.16 2.29 -56.18	60.51 2.31 -21.04	41.43 2.26 0.00	42.35 2.31 -0.79	55.78 3.12 -3.77	93.21 5.97 0.00	105.64 5.45 -26.18	172.71 2.13 -143.81	182.40 2.47 -148.76	133.66 6.28 -46.16	130.29 6.63 -37.84	132.46 9.13 0.00	110.77 6.95 -6.57	103.50 6.74 0.00



V_F_30_SYNC_DSASP 323786	87.06 3.51 -11.35	102.86 4.46 -4.46	105.66 4.61 0.00	89.19 2.04 -45.27	103.71 3.09 -36.41	114.70 1.44 -83.16	226.33 2.67 -165.61	223.40 1.58 -185.40	115.72 3.27 -42.75	100.61 1.55 -66.00	91.17 1.55 -54.92	59.46 1.73 -20.57	40.85 1.69 0.00	41.70 1.68 -0.77	54.62 2.03 -3.69	90.70 3.46 0.00	102.62 3.01 -25.60	168.38 1.00 -140.60	177.78 1.18 -145.45	127.18 3.10 -42.86	122.94 3.25 -33.87	127.88 4.55 0.00	107.86 4.18 -6.42	100.84 4.08 0.00
V_XM_10_SYNC_DSASP 323789	72.03 -0.17 0.00	93.53 -0.41 0.00	100.50 -0.56 0.00	41.55 -0.33 0.00	63.45 -0.77 0.00	29.44 -0.66 0.00	56.39 -1.65 0.00	35.33 -1.09 0.00	66.71 -2.04 0.96	27.06 -1.06 4.94	14.25 -1.01 19.43	-26.56 -1.05 62.67	-10.35 -1.00 48.52	0.25 -0.97 38.03	19.72 -1.16 28.02	78.08 -1.85 7.31	-0.59 -1.84 72.75	-25.56 -0.96 51.37	-18.66 -1.08 48.73	28.98 -2.27 49.98	73.29 -2.26 10.28	120.71 -2.62 0.00	86.68 -2.45 8.12	95.24 -1.52 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	80.12 4.36 -3.56	102.88 5.45 -3.49	106.79 5.73 0.00	77.03 2.48 -32.67	88.05 3.79 -20.04	74.21 1.90 -42.22	134.17 3.93 -72.20	141.32 2.65 -102.24	98.03 4.90 -23.42	87.11 2.37 -51.68	80.26 2.56 -43.01	56.01 2.75 -16.11	42.00 2.84 0.00	42.78 2.92 -0.60	55.43 3.65 -2.89	93.39 6.15 0.00	99.30 5.25 -20.04	138.89 2.03 -110.09	147.41 2.37 -113.88	117.83 5.83 -30.77	114.46 5.95 -22.68	131.26 7.92 0.00	108.32 6.04 -5.03	102.36 5.61 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	80.90 5.01 -3.69	103.71 6.15 -3.62	107.59 6.53 0.00	78.55 2.80 -33.86	89.30 4.31 -20.77	76.02 2.16 -43.77	137.25 4.34 -74.87	145.36 2.95 -106.00	99.62 5.64 -24.28	89.43 2.80 -53.56	82.38 3.12 -44.57	57.24 3.40 -16.69	42.66 3.49 0.00	43.46 3.58 -0.63	56.36 4.47 -2.99	94.60 7.36 0.00	100.80 6.02 -20.77	143.16 2.29 -114.09	151.81 2.63 -118.02	119.59 6.48 -31.89	115.95 6.62 -23.51	132.20 8.87 0.00	109.25 6.78 -5.21	103.20 6.44 0.00
W50THST__13_KV_LOAD 356117	81.12 5.23 -3.69	103.99 6.42 -3.62	107.88 6.83 0.00	78.67 2.93 -33.86	89.49 4.50 -20.77	76.13 2.27 -43.77	137.48 4.58 -74.87	145.54 3.13 -106.00	99.99 6.00 -24.28	89.62 2.99 -53.56	82.59 3.33 -44.57	57.47 3.63 -16.69	42.90 3.73 0.00	43.70 3.82 -0.63	56.65 4.76 -2.99	95.10 7.87 0.00	101.20 6.43 -20.77	143.31 2.44 -114.09	151.96 2.79 -118.02	119.97 6.85 -31.89	116.34 7.01 -23.51	132.71 9.38 0.00	109.64 7.17 -5.21	103.59 6.83 0.00
WADING RIVER_IC_1 23522	82.29 6.40 -3.69	105.93 8.37 -3.62	109.85 8.79 0.00	79.52 3.78 -33.86	90.74 5.75 -20.77	76.45 2.60 -43.76	138.07 5.18 -74.85	145.45 3.05 -105.98	99.50 5.52 -24.27	89.55 2.94 -53.55	82.48 3.23 -44.56	57.07 3.23 -16.69	42.67 3.51 0.00	43.75 3.87 -0.63	69.59 5.05 -15.65	127.14 8.25 -31.64	143.82 7.20 -62.62	156.12 2.77 -126.58	152.20 3.04 -118.00	120.83 7.72 -31.88	117.20 7.88 -23.50	134.19 10.86 0.00	110.70 8.23 -5.21	104.44 7.68 0.00
WADING RIVER_IC_2 23547	82.29 6.40 -3.69	105.93 8.37 -3.62	109.85 8.79 0.00	79.52 3.78 -33.86	90.74 5.75 -20.77	76.45 2.60 -43.76	138.07 5.18 -74.85	145.45 3.05 -105.98	99.50 5.52 -24.27	89.55 2.94 -53.55	82.48 3.23 -44.56	57.07 3.23 -16.69	42.67 3.51 0.00	43.75 3.87 -0.63	69.59 5.05 -15.65	127.14 8.25 -31.64	143.82 7.20 -62.62	156.12 2.77 -126.58	152.20 3.04 -118.00	120.83 7.72 -31.88	117.20 7.88 -23.50	134.19 10.86 0.00	110.70 8.23 -5.21	104.44 7.68 0.00
WADING RIVER_IC_3 23601	82.29 6.40 -3.69	105.93 8.37 -3.62	109.85 8.79 0.00	79.52 3.78 -33.86	90.74 5.75 -20.77	76.45 2.60 -43.76	138.07 5.18 -74.85	145.45 3.05 -105.98	99.50 5.52 -24.27	89.55 2.94 -53.55	82.48 3.23 -44.56	57.07 3.23 -16.69	42.67 3.51 0.00	43.75 3.87 -0.63	69.59 5.05 -15.65	127.14 8.25 -31.64	143.82 7.20 -62.62	156.12 2.77 -126.58	152.20 3.04 -118.00	120.83 7.72 -31.88	117.20 7.88 -23.50	134.19 10.86 0.00	110.70 8.23 -5.21	104.44 7.68 0.00
WALDENNY_12_KV_BK2 80841	51.74 -6.32 14.14	69.64 -8.24 16.07	75.26 -9.34 16.46	30.86 -4.11 6.91	56.50 -5.64 2.08	25.59 -2.47 2.04	49.08 -4.14 4.82	26.82 -2.96 6.65	43.45 -5.74 20.51	23.76 -3.11 6.19	26.45 -3.46 4.78	28.11 -4.05 4.99	25.09 -4.35 9.73	25.12 -4.48 9.65	33.44 -5.45 10.01	57.58 -9.63 20.03	32.24 -8.25 33.51	19.47 -2.69 4.61	25.81 -3.01 2.34	40.97 -8.46 31.80	65.52 -7.69 12.61	90.32 -11.64 21.37	77.09 -8.87 11.30	88.28 -8.11 0.37
WALDEN__HYDRO 24148	80.27 4.45 -3.61	103.05 5.60 -3.51	106.94 5.88 0.00	77.25 2.53 -32.84	88.29 3.88 -20.19	74.63 1.95 -42.59	135.02 4.02 -72.96	142.08 2.71 -102.95	98.26 4.97 -23.58	87.27 2.33 -51.88	80.33 2.47 -43.17	55.94 2.62 -16.17	41.85 2.69 0.00	42.62 2.76 -0.61	55.26 3.47 -2.90	93.25 6.01 0.00	99.42 5.29 -20.12	139.33 2.05 -110.51	147.87 2.40 -114.32	118.09 5.96 -30.91	114.72 6.10 -22.79	131.42 8.09 0.00	108.46 6.15 -5.05	102.50 5.74 0.00
WARRENSBURG____ 23737	94.92 6.65 -16.07	107.11 8.59 -4.58	110.19 9.14 0.00	94.49 3.86 -48.74	114.69 6.10 -44.37	137.39 2.99 -104.30	282.11 6.17 -217.90	267.87 3.81 -227.64	129.36 6.84 -52.81	103.75 2.96 -67.73	93.89 2.83 -56.36	61.02 2.75 -21.11	41.87 2.71 0.00	42.79 2.75 -0.79	56.41 3.73 -3.78	94.57 7.33 0.00	107.01 6.74 -26.27	173.71 2.66 -144.29	183.51 3.10 -149.25	135.54 7.84 -46.47	132.21 8.21 -38.18	134.67 11.34 0.00	112.38 8.54 -6.59	105.07 8.31 0.00
WATERSIDE____6 8 9 23538	58.73 5.15 18.62	100.30 6.36 -0.01	73.70 6.73 34.09	74.60 2.90 -29.82	83.48 4.43 -14.83	64.38 2.22 -32.06	136.43 4.43 -73.96	144.94 3.02 -105.50	10.33 5.79 65.16	-34.38 2.85 70.29	-11.43 3.22 49.34	-70.60 3.54 111.29	25.69 3.62 17.09	34.25 3.70 8.70	27.44 4.57 26.03	76.72 7.51 18.03	100.86 6.11 -20.74	142.04 2.31 -112.95	146.69 2.66 -112.88	114.95 6.59 -27.13	112.45 6.71 -19.92	110.15 8.99 22.17	83.44 6.95 20.76	81.25 6.68 22.18
WATKINRD_115KV_LN8_ILLION 55919	73.81 1.61 0.00	96.00 2.06 0.00	103.17 2.11 0.00	42.84 0.96 0.00	65.76 1.54 0.00	30.92 0.82 0.00	59.79 1.75 0.00	37.48 1.06 0.00	71.43 1.67 -0.05	33.69 0.62 -0.01	35.20 0.51 0.00	37.58 0.42 0.00	39.51 0.34 0.00	39.65 0.40 0.00	49.41 0.51 0.00	88.52 1.28 0.00	75.48 1.47 0.00	27.50 0.72 -0.01	32.78 0.79 -0.83	84.75 1.93 -1.60	88.40 2.00 -0.58	125.80 2.46 0.00	99.20 1.95 0.00	98.50 1.74 0.00
WATSON____69_KV_BK 1 55734	83.03 7.15 -3.69	106.59 9.02 -3.62	110.54 9.48 0.00	79.78 4.04 -33.86	91.13 6.14 -20.77	76.82 2.96 -43.76	138.86 5.96 -74.85	146.12 3.72 -105.98	100.90 6.92 -24.27	90.08 3.47 -53.55	83.10 3.85 -44.56	57.81 3.97 -16.69	43.31 4.15 0.00	44.19 4.31 -0.63	70.13 5.59 -15.65	128.49 9.60 -31.64	144.85 8.22 -62.62	156.47 3.12 -126.58	152.58 3.42 -118.00	121.84 8.74 -31.88	118.42 9.09 -23.50	135.89 12.56 0.00	112.04 9.57 -5.21	105.82 9.06 0.00
WDELAWARE__HYD 323627	78.82 3.07 -3.55	101.08 3.84 -3.30	105.11 4.05 0.00	74.60 1.74 -30.98	86.20 2.73 -19.25	72.26 1.44 -40.72	131.36 3.11 -70.21	136.48 2.15 -97.91	95.96 3.79 -22.46	83.56 1.64 -48.85	76.99 1.64 -40.65	54.05 1.67 -15.23	40.91 1.74 0.00	41.53 1.71 -0.57	53.83 2.20 -2.73	91.28 4.04 0.00	96.92 3.96 -18.95	132.44 1.60 -104.07	140.69 1.88 -107.66	115.00 4.60 -29.17	112.05 4.66 -21.56	129.25 5.91 0.00	106.30 4.29 -4.75	100.57 3.81 0.00



WEST BABYLON___IC 23714	82.72 6.84 -3.69	106.17 8.61 -3.62	110.09 9.03 0.00	79.59 3.85 -33.86	90.83 5.84 -20.77	76.70 2.84 -43.76	138.62 5.73 -74.85	146.01 3.61 -105.98	100.67 6.69 -24.27	89.96 3.35 -53.55	82.97 3.71 -44.56	57.70 3.86 -16.69	43.18 4.02 0.00	44.05 4.17 -0.63	69.94 5.39 -15.65	128.16 9.28 -31.64	144.55 7.92 -62.62	156.36 3.01 -126.58	152.49 3.33 -118.00	121.62 8.51 -31.88	118.17 8.84 -23.50	135.45 12.12 0.00	111.66 9.20 -5.21	105.44 8.68 0.00
WEST CANADA___HYD 24049	72.77 0.57 0.00	94.68 0.74 0.00	101.80 0.74 0.00	42.22 0.34 0.00	64.73 0.51 0.00	30.37 0.27 0.00	58.56 0.52 0.00	36.74 0.32 0.00	70.31 0.55 -0.05	33.30 0.24 -0.01	34.93 0.24 0.00	37.38 0.23 0.00	39.37 0.21 0.00	39.49 0.23 0.00	49.19 0.30 0.00	87.76 0.52 0.00	74.46 0.46 0.00	27.02 0.24 -0.01	32.25 0.26 -0.83	83.39 0.57 -1.60	87.01 0.61 -0.58	124.11 0.78 0.00	97.93 0.68 0.00	97.29 0.53 0.00
WESTERN_NY_WIND 24143	59.44 -4.54 8.22	79.28 -5.95 8.71	84.91 -6.86 9.29	35.91 -3.00 2.97	60.16 -3.95 0.10	29.27 -1.63 -0.80	57.30 -2.37 -1.62	37.26 -1.81 -2.65	57.21 -3.69 8.81	30.48 -2.34 0.24	31.66 -2.84 0.19	31.80 -3.43 1.92	30.23 -3.79 5.15	30.53 -3.93 4.79	39.36 -4.72 4.83	68.76 -8.10 10.39	48.52 -6.30 19.19	29.24 -1.79 -4.27	34.97 -1.94 -5.76	58.76 -5.78 16.68	75.91 -4.96 4.95	104.46 -8.02 10.86	85.40 -6.25 5.60	91.03 -5.52 0.20
WESTOVER___LESR 323668	71.55 -0.64 0.01	94.34 -0.75 -1.16	99.51 -1.14 0.41	50.22 -0.50 -8.84	70.59 -0.56 -6.93	44.07 -0.11 -14.08	83.87 0.06 -25.77	71.76 0.05 -35.28	77.69 -0.12 -8.11	49.33 -0.38 -16.64	48.53 -0.40 -14.24	41.87 -0.61 -5.33	38.66 -0.50 0.00	38.88 -0.58 -0.20	49.20 -0.65 -0.95	85.14 -1.14 0.96	71.38 -1.01 1.62	62.59 -0.07 -35.89	68.71 -0.10 -37.65	84.43 -0.70 -3.91	92.95 -0.52 -7.64	121.66 -1.21 0.46	97.46 -1.00 -1.21	95.70 -1.06 0.00
WETHRSFD_WT_PWR 323626	20.89 -6.93 44.37	28.20 -9.14 56.60	35.90 -10.28 54.87	9.50 -4.38 28.00	42.91 -6.19 15.12	6.48 -2.67 20.94	9.47 -4.72 43.85	-29.50 -2.97 62.96	-16.86 -6.22 80.34	-10.12 -3.39 39.79	-2.50 -3.85 33.33	9.23 -4.47 23.46	0.86 -4.71 33.59	0.75 -4.86 33.65	7.19 -5.94 35.77	11.46 -10.49 65.28	-23.83 -8.38 89.46	-32.91 -2.58 57.10	-24.58 -2.93 52.81	-22.77 -8.26 95.73	25.11 -8.09 52.63	39.03 -12.25 72.05	48.57 -9.56 39.13	85.95 -9.54 1.27
WHAVSTOR_138KV_BK127 55557	79.79 4.03 -3.56	102.46 5.02 -3.50	106.34 5.29 0.00	76.88 2.29 -32.71	87.78 3.49 -20.06	74.13 1.77 -42.27	133.94 3.62 -72.28	141.21 2.44 -102.35	97.65 4.50 -23.44	86.99 2.19 -51.73	80.12 2.38 -43.05	55.84 2.56 -16.12	41.80 2.63 0.00	42.58 2.72 -0.61	55.19 3.40 -2.89	92.88 5.64 0.00	98.86 4.79 -20.06	138.83 1.86 -110.20	147.33 2.18 -114.00	117.35 5.33 -30.80	113.96 5.44 -22.70	130.54 7.21 0.00	107.80 5.51 -5.03	101.87 5.11 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	79.79 4.03 -3.56	102.46 5.02 -3.50	106.34 5.29 0.00	76.88 2.29 -32.71	87.78 3.49 -20.06	74.13 1.77 -42.27	133.94 3.62 -72.28	141.21 2.44 -102.35	97.65 4.50 -23.44	86.99 2.19 -51.73	80.12 2.38 -43.05	55.84 2.56 -16.12	41.80 2.63 0.00	42.58 2.72 -0.61	55.19 3.40 -2.89	92.88 5.64 0.00	98.86 4.79 -20.06	138.83 1.86 -110.20	147.33 2.18 -114.00	117.35 5.33 -30.80	113.96 5.44 -22.70	130.54 7.21 0.00	107.80 5.51 -5.03	101.87 5.11 0.00
WHITEHAL_115KV_TB1 80871	96.61 8.53 -15.87	109.52 11.01 -4.57	112.71 11.66 0.00	95.38 4.93 -48.57	116.13 7.89 -44.02	137.39 3.92 -103.38	281.98 8.27 -215.67	267.30 4.94 -225.93	130.97 8.86 -52.41	104.45 3.78 -67.61	94.48 3.53 -56.26	61.52 3.29 -21.07	42.16 3.00 0.00	43.26 3.21 -0.79	57.47 4.80 -3.77	97.14 9.90 0.00	109.18 8.96 -26.22	174.23 3.44 -144.02	184.16 4.02 -148.98	137.73 10.21 -46.30	134.37 10.55 -37.99	137.27 13.94 0.00	114.19 10.35 -6.58	106.84 10.09 0.00
WHITEPLN_13_KV_LOAD 356215	81.38 5.50 -3.68	104.38 6.83 -3.61	108.28 7.23 0.00	78.76 3.09 -33.80	89.68 4.73 -20.73	76.15 2.37 -43.68	137.60 4.83 -74.72	145.45 3.24 -105.79	100.05 6.12 -24.23	89.48 2.97 -53.45	82.39 3.22 -44.48	57.29 3.47 -16.66	42.73 3.57 0.00	43.53 3.65 -0.63	56.46 4.58 -2.98	94.97 7.74 0.00	101.26 6.52 -20.73	143.14 2.51 -113.86	151.84 2.90 -117.78	120.22 7.17 -31.83	116.64 7.36 -23.46	133.17 9.84 0.00	109.95 7.49 -5.20	103.81 7.05 0.00
WM_FLOYD_69_KV_BK2 356380	82.43 6.54 -3.69	105.93 8.37 -3.62	109.86 8.80 0.00	79.52 3.78 -33.86	90.74 5.75 -20.77	76.55 2.69 -43.76	138.30 5.41 -74.85	145.67 3.27 -105.98	99.97 5.99 -24.27	89.68 3.07 -53.55	82.65 3.39 -44.56	57.28 3.44 -16.69	42.84 3.67 0.00	43.80 3.92 -0.63	69.65 5.10 -15.65	127.50 8.61 -31.64	144.12 7.50 -62.62	156.21 2.86 -126.58	152.29 3.13 -118.00	121.11 8.00 -31.88	117.56 8.23 -23.50	134.71 11.38 0.00	111.14 8.67 -5.21	104.94 8.18 0.00
WOODARD___115KV_TB2 355635	70.57 -1.63 0.00	92.13 -2.13 -0.33	98.59 -2.47 0.00	43.75 -1.01 -2.88	64.14 -1.43 -1.34	32.11 -0.52 -2.53	61.23 -0.86 -4.05	43.19 -0.49 -7.26	70.13 -1.13 -1.55	37.24 -0.64 -4.82	37.88 -0.82 -4.01	37.69 -0.97 -1.50	38.09 -1.07 0.00	38.21 -1.10 -0.06	47.80 -1.37 -0.27	84.97 -2.26 0.00	74.26 -1.61 -1.87	36.72 -0.33 -10.28	41.38 -0.41 -10.63	82.46 -1.46 -2.70	86.20 -1.50 -1.87	120.75 -2.59 0.00	95.56 -2.17 -0.47	94.54 -2.22 0.00
YORK___WARBASSE 23770	190.94 5.48 -113.26	121.99 6.67 -21.38	275.58 7.11 -167.42	98.68 3.04 -53.76	118.88 4.67 -49.99	133.75 2.34 -101.31	142.17 4.71 -79.41	148.15 3.17 -108.56	539.29 6.03 -463.55	697.88 2.96 -661.86	543.87 3.34 -505.84	686.06 3.63 -645.27	126.82 3.71 -83.94	89.48 3.79 -46.44	199.12 4.68 -145.54	183.51 7.72 -88.54	101.27 6.33 -20.94	148.98 2.40 -119.81	177.33 2.76 -143.41	143.41 6.90 -55.29	133.99 7.01 -41.16	241.71 9.47 -108.90	237.35 7.30 -132.79	220.68 6.94 -116.98