

# Day Ahead Market Generator LBMP

		--- LBMP \$								--- Marginal Cost of Losses								--- Marginal Cost of Congestion										
Generator Data																									01/17/2024			
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
		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		138.94	128.18	124.61	123.97	124.79	137.05	164.94	205.49	192.52	190.26	189.55	189.45	177.44	177.03	177.57	206.34	201.89	258.67	241.13	211.73	194.67	175.00	163.68	140.02			
24138		8.10	7.83	7.98	7.59	7.40	9.40	12.30	13.45	13.00	11.17	10.16	8.88	8.42	8.18	7.92	9.23	10.23	13.42	12.69	11.41	9.97	8.94	8.42	8.46			
		-45.64	-39.64	-33.48	-36.48	-41.04	-34.51	-30.85	-58.85	-54.48	-69.59	-79.80	-93.58	-85.57	-87.05	-90.40	-105.65	-89.30	-113.71	-102.77	-86.18	-81.93	-75.77	-71.00	-45.27			
74TH STREET_GT_1		138.87	128.19	124.62	123.98	124.72	136.97	164.35	212.73	204.75	205.22	212.52	217.15	198.13	198.44	197.93	240.49	228.37	282.88	265.70	228.07	213.05	183.41	172.82	139.98			
24260		8.01	7.83	7.98	7.59	7.33	9.31	11.69	12.92	12.38	10.62	9.86	8.61	8.18	8.02	7.61	8.87	9.93	12.89	12.19	11.07	9.87	8.85	8.34	8.37			
		-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-121.54	-106.50	-108.62	-111.08	-140.16	-116.08	-138.45	-127.84	-102.86	-100.41	-84.26	-80.23	-45.31			
74TH STREET_GT_2		138.87	128.19	124.62	123.98	124.72	136.97	164.35	212.73	204.75	205.22	212.52	217.15	198.13	198.44	197.93	240.49	228.37	282.88	265.70	228.07	213.05	183.41	172.82	139.98			
24261		8.01	7.83	7.98	7.59	7.33	9.31	11.69	12.92	12.38	10.62	9.86	8.61	8.18	8.02	7.61	8.87	9.93	12.89	12.19	11.07	9.87	8.85	8.34	8.37			
		-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-121.54	-106.50	-108.62	-111.08	-140.16	-116.08	-138.45	-127.84	-102.86	-100.41	-84.26	-80.23	-45.31			
ADK HUDSON___FALLS		150.38	137.70	131.90	132.07	133.93	143.18	172.08	203.15	177.65	174.78	160.26	154.29	153.73	152.47	157.38	161.21	167.42	213.76	192.24	183.97	176.40	175.94	161.37	150.24			
24011		6.99	6.46	6.07	5.67	5.27	6.05	10.96	11.72	11.00	9.20	7.87	6.79	6.51	6.38	6.34	7.59	9.31	13.02	12.32	11.07	9.25	7.68	6.66	6.39			
		-58.19	-50.53	-42.68	-46.50	-52.31	-43.99	-39.32	-58.24	-41.62	-56.09	-52.81	-60.51	-63.77	-64.29	-71.80	-62.16	-55.74	-69.21	-54.25	-58.76	-64.37	-77.97	-70.46	-57.56			
ADK RESOURCE___RCVRY		151.10	138.29	132.42	132.58	134.42	143.67	173.08	204.38	178.80	175.69	161.00	154.94	154.44	153.17	158.06	161.89	168.24	215.00	193.27	184.92	177.27	176.71	162.01	150.88			
23798		7.67	7.02	6.57	6.15	5.73	6.52	11.94	12.92	12.12	10.07	8.57	7.39	7.18	7.04	6.97	8.23	10.14	14.21	13.31	11.98	10.08	8.40	7.25	6.99			
		-58.22	-50.56	-42.70	-46.53	-52.35	-44.02	-39.35	-58.27	-41.64	-56.13	-52.84	-60.55	-63.81	-64.33	-71.84	-62.20	-55.75	-69.25	-54.29	-58.80	-64.41	-78.02	-70.51	-57.60			
ADK S GLENS___FALLS		150.38	137.70	131.90	132.07	133.93	143.18	172.08	203.15	177.65	174.78	160.26	154.29	153.73	152.47	157.38	161.21	167.42	213.76	192.24	183.97	176.40	175.94	161.37	150.24			
24028		6.99	6.46	6.07	5.67	5.27	6.05	10.96	11.72	11.00	9.20	7.87	6.79	6.51	6.38	6.34	7.59	9.31	13.02	12.32	11.07	9.25	7.68	6.66	6.39			
		-58.19	-50.53	-42.68	-46.50	-52.31	-43.99	-39.32	-58.24	-41.62	-56.09	-52.81	-60.51	-63.77	-64.29	-71.80	-62.16	-55.74	-69.21	-54.25	-58.76	-64.37	-77.97	-70.46	-57.56			
ADK_NYS___DAM		146.86	134.59	129.34	129.67	131.84	141.93	167.74	198.31	173.66	171.20	157.34	151.36	150.64	149.38	153.83	157.71	163.30	207.54	186.81	178.96	171.93	171.50	157.73	147.16			
23527		5.37	5.01	4.90	4.79	4.89	6.24	7.91	8.79	8.38	7.45	6.67	5.83	5.51	5.40	5.15	6.13	7.06	9.07	8.66	7.99	6.89	5.78	5.31	5.18			
		-56.28	-48.88	-41.28	-44.98	-50.60	-42.55	-38.04	-56.33	-40.25	-54.25	-51.08	-58.53	-61.69	-62.18	-69.44	-60.12	-53.89	-66.94	-52.47	-56.84	-62.26	-75.42	-68.16	-55.68			
AIR_PRODUCTS___DRP		144.64	132.48	127.39	127.73	129.70	138.34	163.48	193.43	168.91	166.98	153.51	147.97	147.50	146.39	151.04	154.33	159.41	202.62	182.07	174.57	168.20	168.43	154.94	145.14			
24190		2.98	2.74	2.83	2.72	2.60	2.51	3.53	3.73	3.50	3.07	2.69	2.26	2.17	2.21	2.14	2.56	2.97	3.95	3.77	3.42	2.98	2.53	2.36	3.02			
		-56.46	-49.03	-41.41	-45.12	-50.76	-42.69	-38.15	-56.51	-40.38	-54.42	-51.24	-58.71	-61.88	-62.38	-69.66	-60.31	-54.09	-67.14	-52.63	-57.00	-62.44	-75.61	-68.33	-55.82			
AKWESSNE_115KV_BK		82.31	78.05	80.32	77.26	73.83	90.06	117.04	128.13	120.28	105.99	96.30	84.30	81.11	79.51	77.10	88.44	99.08	126.54	120.89	110.37	99.59	87.50	81.81	83.53			
355683		-2.90	-2.66	-2.83	-2.64	-2.52	-3.07	-4.75	-5.06	-4.75	-3.50	-3.29	-2.70	-2.34	-2.29	-2.14	-3.02	-3.28	-5.00	-4.78	-3.77	-3.19	-2.80	-2.44	-2.76			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY_1_SOLAR		144.98	132.88	127.96	128.19	129.92	139.14	165.46	194.80	170.43	167.74	154.08	148.21	147.62	146.48	150.96	154.69	160.16	203.94	183.55	175.74	169.04	168.78	155.23	145.53			
323833		4.34	4.03	4.16	3.99	3.74	4.09	6.21	6.13	5.75	4.81	4.18	3.57	3.42	3.43	3.33	4.02	4.81	6.57	6.28	5.70	5.03	4.33	3.96	4.48			
		-55.43	-48.14	-40.66	-44.30	-49.84	-41.91	-37.46	-55.48	-39.65	-53.43	-50.31	-57.65	-60.75	-61.24	-68.39	-59.21	-52.99	-65.83	-51.60	-55.89	-61.23	-74.15	-67.01	-54.74			
ALBANY_2_SOLAR		144.98	132.89	127.97	128.11	129.93	139.14	165.46	194.81	170.43	167.75	154.08	148.22	147.63	146.41	150.97	154.70	160.17	203.81	183.43	175.74	169.05	168.79	155.23	145.53			
323834		4.34	4.03	4.16	3.91	3.74	4.09	6.21	6.13	5.75	4.81	4.18	3.57	3.42	3.36	3.33	4.02	4.81	6.44	6.16	5.70	5.03	4.33	3.96	4.48			
		-55.44	-48.14	-40.66	-44.30	-49.84	-41.91	-37.46	-55.48	-39.65	-53.44	-50.32	-57.65	-60.76	-61.25	-68.40	-59.22	-53.00	-65.83	-51.61	-55.90	-61.23	-74.16	-67.02	-54.75			
ALBANY___1		144.64	132.48	127.39	127.73	129.70	138.34	163.48	193.43	168.91	166.98	153.51	147.97	147.50	146.39	151.04	154.33	159.41	202.62	182.07	174.57	168.20	168.43	154.94	145.14			
23571		2.98	2.74	2.83	2.72	2.60	2.51	3.53	3.73	3.50	3.07	2.69	2.26	2.17	2.21	2.14	2.56	2.97	3.95	3.77	3.42	2.98	2.53	2.36	3.02			
		-56.46	-49.03	-41.41	-45.12	-50.76	-42.69	-38.15	-56.51	-40.38	-54.42	-51.24	-58.71	-61.88	-62.38	-69.66	-60.31	-54.09	-67.14	-52.63	-57.00	-62.44	-75.61	-68.33	-55.82			

ALBANY___2 23572	144.64 2.98 -56.46	132.48 2.74 -49.03	127.39 2.83 -41.41	127.73 2.72 -45.12	129.70 2.60 -50.76	138.34 2.51 -42.69	163.48 3.53 -38.15	193.43 3.73 -56.51	168.91 3.50 -40.38	166.98 3.07 -54.42	153.51 2.69 -51.24	147.97 2.26 -58.71	147.50 2.17 -61.88	146.39 2.21 -62.38	151.04 2.14 -69.66	154.33 2.56 -60.31	159.41 2.97 -54.09	202.62 3.95 -67.14	182.07 3.77 -52.63	174.57 3.42 -57.00	168.20 2.98 -62.44	168.43 2.53 -75.61	154.94 2.36 -68.33	145.14 3.02 -55.82
ALBANY___3 23573	144.64 2.98 -56.46	132.48 2.74 -49.03	127.39 2.83 -41.41	127.73 2.72 -45.12	129.70 2.60 -50.76	138.34 2.51 -42.69	163.48 3.53 -38.15	193.43 3.73 -56.51	168.91 3.50 -40.38	166.98 3.07 -54.42	153.51 2.69 -51.24	147.97 2.26 -58.71	147.50 2.17 -61.88	146.39 2.21 -62.38	151.04 2.14 -69.66	154.33 2.56 -60.31	159.41 2.97 -54.09	202.62 3.95 -67.14	182.07 3.77 -52.63	174.57 3.42 -57.00	168.20 2.98 -62.44	168.43 2.53 -75.61	154.94 2.36 -68.33	145.14 3.02 -55.82
ALBANY___4 23574	144.64 2.98 -56.46	132.48 2.74 -49.03	127.39 2.83 -41.41	127.73 2.72 -45.12	129.70 2.60 -50.76	138.34 2.51 -42.69	163.48 3.53 -38.15	193.43 3.73 -56.51	168.91 3.50 -40.38	166.98 3.07 -54.42	153.51 2.69 -51.24	147.97 2.26 -58.71	147.50 2.17 -61.88	146.39 2.21 -62.38	151.04 2.14 -69.66	154.33 2.56 -60.31	159.41 2.97 -54.09	202.62 3.95 -67.14	182.07 3.77 -52.63	174.57 3.42 -57.00	168.20 2.98 -62.44	168.43 2.53 -75.61	154.94 2.36 -68.33	145.14 3.02 -55.82
ALBANY___LFGE 323615	145.89 3.74 -56.95	133.63 3.47 -49.46	128.49 3.57 -41.77	128.76 3.36 -45.51	130.83 3.28 -51.20	139.54 3.35 -43.06	165.27 5.00 -38.49	195.38 5.19 -57.00	170.89 5.13 -40.73	168.77 4.38 -54.90	155.15 3.88 -51.69	149.61 3.39 -59.22	149.03 3.17 -62.42	147.91 3.19 -62.92	152.59 3.09 -70.27	155.95 3.66 -60.83	161.08 4.20 -54.52	204.91 5.65 -67.72	184.16 5.40 -53.09	176.55 4.90 -57.50	169.98 4.22 -62.99	170.18 3.62 -76.27	156.46 3.28 -68.92	146.39 3.79 -56.31
ALCOA_PA_115KV_PL-6C 55860	81.71 -3.49 0.00	77.48 -3.23 0.00	79.74 -3.41 0.00	76.70 -3.20 0.00	73.29 -3.05 0.00	89.32 -3.82 0.00	116.07 -5.72 0.00	127.20 -5.99 0.00	119.28 -5.75 0.00	105.33 -4.16 0.00	95.70 -3.88 0.00	83.69 -3.31 0.00	80.61 -2.84 0.00	78.94 -2.86 0.00	76.55 -2.69 0.00	87.80 -3.66 0.00	98.47 -3.89 0.00	125.48 -6.05 0.00	119.89 -5.78 0.00	109.57 -4.57 0.00	98.87 -3.91 0.00	86.78 -3.52 0.00	81.31 -2.95 0.00	82.93 -3.37 0.00
ALCOA_RYNLDS___DRP 24188	81.71 -3.49 0.00	77.48 -3.23 0.00	79.74 -3.41 0.00	76.70 -3.20 0.00	73.29 -3.05 0.00	89.32 -3.82 0.00	116.07 -5.72 0.00	127.20 -5.99 0.00	119.28 -5.75 0.00	105.33 -4.16 0.00	95.70 -3.88 0.00	83.69 -3.31 0.00	80.61 -2.84 0.00	78.94 -2.86 0.00	76.55 -2.69 0.00	87.80 -3.66 0.00	98.47 -3.89 0.00	125.48 -6.05 0.00	119.89 -5.78 0.00	109.57 -4.57 0.00	98.87 -3.91 0.00	86.78 -3.52 0.00	81.31 -2.95 0.00	82.93 -3.37 0.00
ALCOA___DSASP 323711	81.71 -3.50 0.00	77.48 -3.23 0.00	79.74 -3.41 0.00	76.70 -3.20 0.00	73.29 -3.06 0.00	89.23 -3.91 0.00	116.07 -5.72 0.00	127.20 -5.99 0.00	119.41 -5.62 0.00	105.33 -4.16 0.00	95.70 -3.89 0.00	83.69 -3.31 0.00	80.61 -2.84 0.00	78.93 -2.87 0.00	76.55 -2.69 0.00	87.80 -3.66 0.00	98.57 -3.79 0.00	125.49 -6.05 0.00	120.27 -5.40 0.00	109.80 -4.34 0.00	99.08 -3.70 0.00	86.96 -3.34 0.00	81.30 -2.95 0.00	83.02 -3.28 0.00
ALLEGHENY___COGEN 23514	96.08 2.98 -7.89	90.14 2.58 -6.85	91.43 2.49 -5.79	88.44 2.23 -6.31	85.66 2.22 -7.09	102.64 3.54 -5.97	133.70 6.57 -5.33	146.82 5.72 -7.90	135.36 4.63 -5.70	119.70 2.52 -7.69	108.82 1.99 -7.24	96.51 1.22 -8.29	92.94 0.75 -8.74	91.60 0.99 -8.81	89.95 0.87 -9.84	102.72 2.74 -8.52	113.58 3.58 -7.65	148.04 7.10 -9.40	139.20 6.16 -7.37	127.14 5.02 -7.98	115.43 3.90 -8.75	103.42 2.52 -10.59	95.94 2.11 -9.57	97.05 2.94 -7.82
ALTAMONT_115KV_TB 2 55880	145.12 3.49 -56.42	133.02 3.31 -49.00	127.94 3.41 -41.38	128.19 3.20 -45.09	130.13 3.05 -50.73	139.43 3.63 -42.66	164.92 4.99 -38.13	194.99 5.33 -56.47	170.39 5.00 -40.35	168.15 4.27 -54.39	154.68 3.88 -51.21	148.98 3.31 -58.68	148.46 3.17 -61.84	147.25 3.11 -62.34	151.87 3.01 -69.62	155.39 3.66 -60.27	160.51 4.09 -54.05	204.03 5.39 -67.10	183.55 5.28 -52.60	175.79 4.68 -56.97	169.30 4.11 -62.41	169.49 3.61 -75.58	155.85 3.29 -68.31	145.64 3.54 -55.80
ALTONA_WT_PWR 323606	84.01 -1.19 0.00	79.66 -1.05 0.00	82.07 -1.08 0.00	79.02 -0.88 0.00	75.43 -0.91 0.00	92.11 -1.02 0.00	119.23 -2.56 0.00	130.53 -2.66 0.00	122.28 -2.75 0.00	108.29 -1.20 0.00	98.29 -1.30 0.00	85.86 -1.13 0.00	82.70 -0.75 0.00	80.90 -0.90 0.00	78.53 -0.71 0.00	89.90 -1.56 0.00	101.33 -1.02 0.00	128.64 -2.89 0.00	123.28 -2.39 0.00	113.22 -0.92 0.00	102.06 -0.71 0.00	89.39 -0.90 0.00	83.49 -0.76 0.00	86.21 -0.09 0.00
AMERICAN_REF_FUEL 24010	86.30 -5.71 -6.80	81.21 -5.41 -5.91	82.48 -5.66 -4.99	79.74 -5.60 -5.44	77.12 -5.35 -6.12	92.23 -6.05 -5.14	118.35 -8.04 -4.60	128.55 -11.46 -6.81	118.74 -11.13 -4.83	105.71 -10.30 -6.51	96.35 -9.36 -6.13	85.33 -8.70 -7.03	82.17 -8.68 -7.41	80.84 -8.42 -7.47	79.26 -8.32 -8.34	90.26 -8.41 -7.22	99.01 -9.83 -6.48	127.54 -12.10 -8.10	119.95 -12.06 -6.35	109.95 -11.07 -6.88	99.94 -10.38 -7.53	89.76 -9.66 -9.13	84.25 -8.25 -8.25	86.47 -6.56 -6.74
ARKWRIGHT___SUMMIT_WT_PWR 323751	89.66 -3.32 -7.78	83.83 -3.63 -6.76	85.03 -3.82 -5.71	82.68 -3.43 -6.22	79.60 -3.74 -6.99	95.01 -4.00 -5.88	123.27 -3.78 -5.26	134.85 -6.12 -7.79	124.50 -6.00 -5.47	111.06 -5.81 -7.38	101.15 -5.38 -6.94	89.74 -5.22 -7.96	86.41 -5.42 -8.39	85.02 -5.24 -8.45	83.37 -5.31 -9.44	94.87 -4.76 -8.17	104.16 -5.53 -7.33	133.70 -7.10 -9.27	125.78 -7.16 -7.27	115.04 -6.97 -7.87	104.41 -6.99 -8.62	94.06 -6.68 -10.44	87.71 -5.98 -9.44	90.12 -3.88 -7.71
ARTHUR KILL_GT_1 23520	138.78 7.93 -45.65	128.03 7.67 -39.65	124.45 7.81 -33.49	123.82 7.43 -36.48	124.57 7.17 -41.05	136.41 8.75 -34.52	164.23 11.58 -30.86	212.06 12.25 -66.62	204.13 11.75 -67.35	204.79 10.18 -85.11	211.93 9.26 -103.08	203.20 7.92 -108.29	187.54 7.51 -96.58	187.57 7.37 -98.40	197.37 7.05 -111.08	240.21 8.59 -140.16	298.53 9.52 -186.65	455.35 12.63 -311.19	440.77 12.07 -303.04	327.96 10.85 -202.97	212.95 9.77 -100.41	242.67 8.67 -143.70	172.57 8.09 -80.23	139.37 7.77 -45.31
ARTHUR_KILL_2 23512	138.53 7.67 -45.65	127.78 7.42 -39.65	124.20 7.57 -33.49	123.58 7.19 -36.48	124.34 6.95 -41.05	136.13 8.47 -34.52	163.74 11.08 -30.86	211.66 11.85 -66.62	203.75 11.38 -67.35	204.46 9.86 -85.11	211.63 8.97 -103.08	202.94 7.66 -108.29	187.28 7.26 -96.58	187.31 7.11 -98.40	197.14 6.82 -111.08	239.94 8.32 -140.16	298.23 9.22 -186.65	454.82 12.09 -311.19	440.39 11.69 -303.04	327.60 10.49 -202.97	212.54 9.35 -100.41	242.30 8.30 -143.70	172.32 7.84 -80.23	139.03 7.42 -45.31
ARTHUR_KILL_3 23513	138.01 7.16 -45.65	127.30 6.94 -39.64	123.70 7.06 -33.48	123.09 6.71 -36.48	123.96 6.57 -41.04	136.13 8.47 -34.52	163.37 10.72 -30.86	207.72 11.58 -62.94	197.41 11.12 -61.25	196.89 9.64 -77.76	200.50 8.86 -92.05	203.03 7.74 -108.29	187.38 7.35 -96.58	187.32 7.11 -98.40	187.42 6.89 -101.28	223.22 7.95 -123.81	260.16 8.90 -148.90	282.97 11.44 -140.00	269.50 11.06 -132.77	264.54 9.82 -140.58	203.16 8.73 -91.65	216.81 7.95 -118.57	167.61 7.50 -75.86	139.09 7.50 -45.29

ARTHUR_KILL_COGEN 323718	138.78 7.93 -45.65	128.03 7.67 -39.65	124.45 7.81 -33.49	123.82 7.43 -36.48	124.57 7.17 -41.05	136.41 8.75 -34.52	164.23 11.58 -30.86	212.06 12.25 -66.62	204.13 11.75 -67.35	204.79 10.18 -85.11	211.93 9.26 -103.08	203.20 7.92 -108.29	187.54 7.51 -96.58	187.57 7.37 -98.40	197.37 7.05 -111.08	240.21 8.59 -140.16	298.53 9.52 -186.65	455.35 12.63 -311.19	440.77 12.07 -303.04	327.96 10.85 -202.97	212.95 9.77 -100.41	242.67 8.67 -143.70	172.57 8.09 -80.23	139.37 7.77 -45.31
ASHOKAN____ 23654	139.98 3.41 -51.37	128.31 2.99 -44.61	124.16 3.33 -37.68	124.15 3.20 -41.05	125.74 3.21 -46.18	135.98 4.00 -38.84	163.45 6.94 -34.72	190.61 6.00 -51.41	167.40 5.63 -36.74	162.62 3.61 -49.52	149.69 3.48 -46.62	142.77 2.35 -53.42	141.92 2.17 -56.30	140.52 1.96 -56.76	144.84 2.22 -63.38	149.17 2.84 -54.88	155.00 3.89 -48.76	198.67 6.57 -60.57	179.18 6.03 -47.48	170.93 5.37 -51.43	163.74 4.63 -56.33	162.49 3.97 -68.23	149.11 3.20 -61.66	140.12 3.46 -50.37
ASTORIA_EAST_ENERGY_CC1 323581	138.86 8.01 -45.65	128.03 7.67 -39.65	124.62 7.98 -33.49	124.13 7.75 -36.48	124.72 7.33 -41.05	136.79 9.13 -34.52	164.59 11.94 -30.86	208.65 12.52 -62.94	198.29 12.00 -61.25	197.65 10.41 -77.75	201.29 9.66 -92.05	203.62 8.35 -108.27	187.96 7.93 -96.58	187.98 7.78 -98.40	187.97 7.45 -101.28	224.02 8.78 -123.78	215.48 9.73 -103.39	270.52 12.23 -126.75	253.34 11.69 -115.99	219.72 10.62 -94.97	204.29 9.87 -91.64	179.29 8.76 -80.24	168.37 8.26 -75.86	139.80 8.20 -45.30
ASTORIA_EAST_ENERGY_CC2 323582	138.96 8.10 -45.65	128.11 7.75 -39.65	124.70 8.06 -33.49	124.13 7.75 -36.48	124.72 7.33 -41.05	136.79 9.13 -34.52	164.59 11.94 -30.86	208.65 12.52 -62.94	198.29 12.00 -61.25	197.65 10.41 -77.75	201.29 9.66 -92.05	203.62 8.35 -108.27	187.96 7.93 -96.58	187.98 7.78 -98.40	187.97 7.45 -101.28	224.02 8.78 -123.78	215.48 9.73 -103.39	270.52 12.23 -126.75	253.34 11.69 -115.99	219.72 10.62 -94.97	204.29 9.87 -91.64	179.29 8.76 -80.24	168.37 8.26 -75.86	139.80 8.20 -45.30
ASTORIA_GT2_1 24094	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT2_2 24095	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT2_3 24096	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT2_4 24097	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT3_1 24098	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT3_2 24099	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT3_3 24100	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT3_4 24101	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT4_1 24102	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT4_2 24103	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT4_3 24104	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30

ASTORIA_GT4_4 24105	138.95 8.09 -45.65	128.03 7.67 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.49 10.84 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.31 10.07 -77.75	201.09 9.46 -92.04	203.53 8.26 -108.27	187.87 7.84 -96.58	187.89 7.69 -98.40	187.89 7.37 -101.28	223.84 8.60 -123.78	215.44 9.72 -103.36	270.52 12.23 -126.75	253.47 11.81 -115.99	219.84 10.73 -94.97	204.19 9.76 -91.65	179.30 8.76 -80.24	168.29 8.17 -75.86	139.79 8.20 -45.30
ASTORIA_GT_1 23523	139.04 8.18 -45.65	128.19 7.83 -39.65	124.79 8.15 -33.49	124.30 7.91 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.83 12.18 -30.86	209.05 12.92 -62.94	198.66 12.38 -61.25	197.98 10.74 -77.75	201.59 9.96 -92.05	203.80 8.53 -108.27	188.12 8.09 -96.58	188.13 7.93 -98.40	188.13 7.61 -101.28	224.30 9.06 -123.78	215.79 10.04 -103.39	270.92 12.63 -126.75	253.72 12.07 -115.99	220.06 10.96 -94.97	204.50 10.08 -91.64	179.48 8.94 -80.24	168.54 8.42 -75.86	139.96 8.37 -45.30
ASTORIA_GT_10 24110	138.78 7.92 -45.65	128.03 7.67 -39.65	124.45 7.82 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.69 9.03 -34.52	163.62 10.96 -30.86	211.93 12.12 -66.62	203.88 11.50 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.03 8.41 -140.16	227.96 9.52 -116.08	282.22 12.23 -138.45	265.20 11.69 -127.84	227.61 10.61 -102.86	212.74 9.56 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
ASTORIA_GT_11 24225	138.78 7.92 -45.65	128.03 7.67 -39.65	124.45 7.82 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.69 9.03 -34.52	163.62 10.96 -30.86	211.93 12.12 -66.62	203.88 11.50 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.03 8.41 -140.16	227.96 9.52 -116.08	282.22 12.23 -138.45	265.20 11.69 -127.84	227.61 10.61 -102.86	212.74 9.56 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
ASTORIA_GT_12 24226	138.78 7.92 -45.65	128.03 7.67 -39.65	124.45 7.82 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.69 9.03 -34.52	163.62 10.96 -30.86	211.93 12.12 -66.62	203.88 11.50 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.03 8.41 -140.16	227.96 9.52 -116.08	282.22 12.23 -138.45	265.20 11.69 -127.84	227.61 10.61 -102.86	212.74 9.56 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
ASTORIA_GT_13 24227	138.78 7.92 -45.65	128.03 7.67 -39.65	124.45 7.82 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.69 9.03 -34.52	163.62 10.96 -30.86	211.93 12.12 -66.62	203.88 11.50 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.03 8.41 -140.16	227.96 9.52 -116.08	282.22 12.23 -138.45	265.20 11.69 -127.84	227.61 10.61 -102.86	212.74 9.56 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
ASTORIA_GT_5 24106	139.04 8.18 -45.65	128.19 7.83 -39.65	124.79 8.15 -33.49	124.29 7.91 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	163.74 11.08 -30.86	208.66 12.52 -62.94	198.28 12.00 -61.25	197.53 10.29 -77.75	201.29 9.66 -92.04	203.70 8.44 -108.27	188.04 8.01 -96.58	188.05 7.85 -98.40	188.05 7.53 -101.28	224.02 8.78 -123.78	215.64 9.93 -103.36	270.92 12.63 -126.75	253.84 12.19 -115.99	220.18 11.07 -94.97	204.39 9.97 -91.65	179.48 8.94 -80.24	168.45 8.34 -75.86	139.97 8.37 -45.30
ASTORIA_GT_7 24107	139.04 8.18 -45.65	128.19 7.83 -39.65	124.79 8.15 -33.49	124.29 7.91 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	163.74 11.08 -30.86	208.66 12.52 -62.94	198.28 12.00 -61.25	197.53 10.29 -77.75	201.29 9.66 -92.04	203.70 8.44 -108.27	188.04 8.01 -96.58	188.05 7.85 -98.40	188.05 7.53 -101.28	224.02 8.78 -123.78	215.64 9.93 -103.36	270.92 12.63 -126.75	253.84 12.19 -115.99	220.18 11.07 -94.97	204.39 9.97 -91.65	179.48 8.94 -80.24	168.45 8.34 -75.86	139.97 8.37 -45.30
ASTORIA_GT_8 24108	139.04 8.18 -45.65	128.19 7.83 -39.65	124.79 8.15 -33.49	124.29 7.91 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	163.74 11.08 -30.86	208.66 12.52 -62.94	198.28 12.00 -61.25	197.53 10.29 -77.75	201.29 9.66 -92.04	203.70 8.44 -108.27	188.04 8.01 -96.58	188.05 7.85 -98.40	188.05 7.53 -101.28	224.02 8.78 -123.78	215.64 9.93 -103.36	270.92 12.63 -126.75	253.84 12.19 -115.99	220.18 11.07 -94.97	204.39 9.97 -91.65	179.48 8.94 -80.24	168.45 8.34 -75.86	139.97 8.37 -45.30
ASTORIA___2 24149	138.96 8.10 -45.65	128.11 7.75 -39.65	124.70 8.06 -33.49	124.13 7.75 -36.48	124.72 7.33 -41.05	136.79 9.13 -34.52	164.59 11.94 -30.86	208.80 12.66 -62.94	198.41 12.12 -61.25	197.65 10.41 -77.75	201.29 9.66 -92.05	203.62 8.35 -108.27	187.96 7.93 -96.58	187.98 7.78 -98.40	187.97 7.45 -101.28	224.11 8.87 -123.78	215.58 9.83 -103.39	270.65 12.36 -126.75	253.46 11.81 -115.99	219.83 10.73 -94.97	204.29 9.87 -91.64	179.29 8.76 -80.24	168.37 8.26 -75.86	139.80 8.20 -45.30
ASTORIA___3 23516	138.78 7.93 -45.65	128.03 7.67 -39.65	124.54 7.90 -33.49	123.89 7.51 -36.48	124.65 7.26 -41.05	136.79 9.13 -34.52	164.47 11.81 -30.86	212.33 12.52 -66.62	204.38 12.00 -67.35	204.89 10.29 -85.11	212.23 9.56 -103.08	216.81 8.27 -121.54	197.79 7.84 -106.50	198.11 7.69 -108.62	197.69 7.37 -111.08	240.40 8.78 -140.16	228.09 9.62 -116.12	282.35 12.36 -138.45	265.32 11.81 -127.84	227.61 10.62 -102.86	212.84 9.66 -100.41	183.22 8.67 -84.26	172.65 8.17 -80.23	139.71 8.11 -45.31
ASTORIA___4 23517	138.78 7.92 -45.65	128.03 7.67 -39.65	124.45 7.82 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.69 9.03 -34.52	163.62 10.96 -30.86	211.93 12.12 -66.62	203.88 11.50 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.03 8.41 -140.16	227.96 9.52 -116.08	282.22 12.23 -138.45	265.20 11.69 -127.84	227.61 10.61 -102.86	212.74 9.56 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
ASTORIA___5 23518	138.78 7.93 -45.65	128.03 7.67 -39.65	124.54 7.90 -33.49	123.89 7.51 -36.48	124.65 7.26 -41.05	136.79 9.13 -34.52	164.47 11.81 -30.86	212.33 12.52 -66.62	204.38 12.00 -67.35	204.89 10.29 -85.11	212.23 9.56 -103.08	216.81 8.27 -121.54	197.79 7.84 -106.50	198.11 7.69 -108.62	197.69 7.37 -111.08	240.40 8.78 -140.16	228.09 9.62 -116.12	282.35 12.36 -138.45	265.32 11.81 -127.84	227.61 10.62 -102.86	212.84 9.66 -100.41	183.22 8.67 -84.26	172.65 8.17 -80.23	139.71 8.11 -45.31
AST_ENERGY_2_CC3 323677	138.52 7.67 -45.65	127.77 7.42 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.59 8.94 -34.52	163.98 11.33 -30.86	208.37 12.25 -62.93	198.02 11.75 -61.24	197.30 10.07 -77.74	200.87 9.26 -92.03	203.35 8.09 -108.26	187.68 7.67 -96.56	187.70 7.52 -98.38	187.71 7.21 -101.26	223.47 8.23 -123.77	214.85 9.11 -103.38	270.21 11.97 -126.70	253.04 11.43 -115.94	219.23 10.15 -94.94	203.55 9.14 -91.63	178.65 8.13 -80.23	167.85 7.75 -75.85	139.44 7.85 -45.29
AST_ENERGY_2_CC4 323678	138.52 7.67 -45.65	127.77 7.42 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.59 8.94 -34.52	163.98 11.33 -30.86	208.37 12.25 -62.93	198.02 11.75 -61.24	197.30 10.07 -77.74	200.87 9.26 -92.03	203.35 8.09 -108.26	187.68 7.67 -96.56	187.70 7.52 -98.38	187.71 7.21 -101.26	223.47 8.23 -123.77	214.85 9.11 -103.38	270.21 11.97 -126.70	253.04 11.43 -115.94	219.23 10.15 -94.94	203.55 9.14 -91.63	178.65 8.13 -80.23	167.85 7.75 -75.85	139.44 7.85 -45.29

ATHENS_STG_1 23668	140.34 4.43 -50.71	128.94 4.19 -44.04	124.75 4.40 -37.19	124.58 4.15 -40.52	125.91 3.97 -45.59	136.50 5.03 -38.34	162.39 6.33 -34.27	190.74 6.79 -50.75	167.92 6.62 -36.27	164.07 5.69 -48.89	150.89 5.27 -46.03	144.26 4.52 -52.74	143.28 4.25 -55.58	142.00 4.17 -56.03	145.85 4.04 -62.57	150.38 4.75 -54.17	156.03 5.12 -48.55	198.55 6.70 -60.31	179.23 6.28 -47.28	171.05 5.70 -51.21	164.01 5.14 -56.10	162.84 4.60 -67.94	149.95 4.29 -61.40	140.86 4.40 -50.16
ATHENS_STG_2 23670	140.34 4.43 -50.71	128.94 4.19 -44.04	124.75 4.40 -37.19	124.58 4.15 -40.52	125.91 3.97 -45.59	136.50 5.03 -38.34	162.39 6.33 -34.27	190.74 6.79 -50.75	167.92 6.62 -36.27	164.07 5.69 -48.89	150.89 5.27 -46.03	144.26 4.52 -52.74	143.28 4.25 -55.58	142.00 4.17 -56.03	145.85 4.04 -62.57	150.38 4.75 -54.17	156.03 5.12 -48.55	198.55 6.70 -60.31	179.23 6.28 -47.28	171.05 5.70 -51.21	164.01 5.14 -56.10	162.84 4.60 -67.94	149.95 4.29 -61.40	140.86 4.40 -50.16
ATHENS_STG_3 23677	140.34 4.43 -50.71	128.94 4.19 -44.04	124.75 4.40 -37.19	124.58 4.15 -40.52	125.91 3.97 -45.59	136.50 5.03 -38.34	162.39 6.33 -34.27	190.74 6.79 -50.75	167.92 6.62 -36.27	164.07 5.69 -48.89	150.89 5.27 -46.03	144.26 4.52 -52.74	143.28 4.25 -55.58	142.00 4.17 -56.03	145.85 4.04 -62.57	150.38 4.75 -54.17	156.03 5.12 -48.55	198.55 6.70 -60.31	179.23 6.28 -47.28	171.05 5.70 -51.21	164.01 5.14 -56.10	162.84 4.60 -67.94	149.95 4.29 -61.40	140.86 4.40 -50.16
AUBURN____LFGE 323710	91.93 0.68 -6.05	86.61 0.65 -5.25	88.17 0.58 -4.43	85.37 0.64 -4.83	82.55 0.76 -5.44	98.64 0.93 -4.57	128.31 2.44 -4.09	142.18 2.93 -6.05	131.74 2.38 -4.33	117.08 1.75 -5.84	106.48 1.39 -5.50	94.34 1.04 -6.30	90.63 0.67 -6.51	89.18 0.82 -6.56	87.28 0.71 -7.33	98.99 1.19 -6.35	109.48 1.43 -5.69	141.37 2.76 -7.07	133.85 2.64 -5.55	122.31 2.17 -6.01	111.00 1.64 -6.58	99.25 0.99 -7.96	91.95 0.51 -7.19	92.95 0.78 -5.88
BABYLON_RES_REC 323704	144.23 9.46 -49.57	139.39 9.12 -49.56	127.67 9.31 -35.21	128.47 8.87 -39.71	139.54 8.62 -54.57	144.68 10.98 -40.56	165.27 13.28 -30.20	191.58 14.26 -44.13	171.87 13.38 -33.45	164.51 10.95 -44.06	153.71 10.26 -43.87	147.05 9.66 -50.40	146.04 9.34 -53.25	146.63 9.16 -55.67	146.59 8.87 -58.48	154.08 10.24 -52.38	161.48 11.46 -47.66	222.31 15.25 -75.52	204.31 14.57 -64.07	185.01 12.56 -58.32	166.72 11.20 -52.74	162.80 9.84 -62.66	151.24 9.60 -57.39	148.99 9.66 -53.03
BABYLON__69_KV_BK2 356345	145.08 10.31 -49.57	140.28 10.01 -49.56	128.50 10.14 -35.21	129.35 9.75 -39.71	140.31 9.39 -54.57	145.52 11.83 -40.56	164.72 12.91 -30.02	190.25 13.72 -43.34	170.89 12.75 -33.11	163.86 10.51 -43.85	154.10 10.66 -43.86	147.66 10.27 -50.39	146.46 9.76 -53.25	147.45 9.98 -55.67	146.99 9.27 -58.48	153.99 10.15 -52.38	161.78 11.87 -47.55	222.58 15.52 -75.52	204.19 14.45 -64.07	184.29 12.44 -57.71	167.04 11.72 -52.54	164.15 11.20 -62.66	152.43 10.78 -57.39	150.20 10.87 -53.03
BALL_HILL_WT_PWR 323825	89.00 -3.75 -7.55	83.63 -3.63 -6.55	84.86 -3.82 -5.53	82.18 -3.75 -6.03	79.39 -3.74 -6.78	94.84 -4.00 -5.71	122.26 -4.63 -5.10	133.55 -7.19 -7.55	123.38 -7.00 -5.35	110.03 -6.68 -7.22	100.30 -6.08 -6.79	88.95 -5.83 -7.78	85.73 -5.92 -8.20	84.34 -5.73 -8.27	82.70 -5.78 -9.24	93.97 -5.49 -8.00	103.09 -6.45 -7.18	132.76 -7.76 -8.99	124.92 -7.79 -7.05	114.46 -7.31 -7.63	103.94 -7.20 -8.36	93.65 -6.77 -10.13	87.43 -5.98 -9.15	89.55 -4.23 -7.48
BARON_WINDS__WT_PWR 323822	94.42 -1.02 -10.23	88.63 -0.96 -8.89	89.57 -1.08 -7.50	86.96 -1.12 -8.18	84.48 -1.07 -9.20	99.94 -0.93 -7.74	128.46 -0.24 -6.91	141.84 -1.59 -10.24	130.52 -1.87 -7.37	117.12 -2.30 -9.93	106.74 -2.19 -9.35	95.45 -2.26 -10.71	92.15 -2.59 -11.29	90.73 -2.45 -11.38	89.49 -2.46 -12.71	100.45 -2.01 -11.00	109.98 -2.25 -9.87	142.02 -1.71 -12.20	133.22 -2.02 -9.57	122.33 -2.17 -10.36	111.77 -2.36 -11.35	101.61 -2.43 -13.75	94.23 -2.45 -12.42	95.06 -1.38 -10.15
BARRETT_IC_1 23704	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_10 23701	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_11 23702	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_12 23703	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_2 23705	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_3 23706	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_4 23707	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04

BARRETT_IC_5 23708	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_6 23709	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_7 23710	143.21 8.44 -49.57	138.50 8.23 -49.56	126.76 8.40 -35.21	127.60 7.99 -39.71	138.63 7.71 -54.57	143.47 9.78 -40.56	163.59 10.96 -30.84	191.91 11.85 -46.87	170.65 11.00 -34.62	164.05 8.98 -45.57	152.71 9.26 -43.86	146.00 8.61 -50.39	144.96 8.26 -53.25	145.73 8.26 -55.67	145.41 7.69 -58.48	152.34 8.51 -52.38	159.94 9.72 -47.86	219.42 12.36 -75.52	201.42 11.69 -64.07	184.95 10.39 -60.43	165.74 9.56 -53.41	161.89 8.94 -62.66	150.24 8.59 -57.39	148.04 8.72 -53.03
BARRETT_IC_8 23711	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT_IC_9 23700	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT___1 23545	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BARRETT___2 23546	143.30 8.52 -49.58	138.51 8.24 -49.57	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.57 9.87 -40.56	164.70 12.06 -30.84	192.98 12.92 -46.87	171.91 12.26 -34.62	165.59 10.51 -45.58	153.12 9.66 -43.87	146.19 8.78 -50.41	145.13 8.42 -53.26	145.74 8.26 -55.68	145.65 7.92 -58.49	152.99 9.14 -52.39	160.40 10.14 -47.90	220.22 13.15 -75.53	202.31 12.57 -64.08	185.64 11.07 -60.43	166.16 9.97 -53.41	161.81 8.85 -62.66	150.25 8.60 -57.40	148.05 8.71 -53.04
BATAVIA___115KV_TB1 55881	90.29 -1.19 -6.28	84.87 -1.29 -5.45	86.34 -1.41 -4.60	83.48 -1.44 -5.02	80.77 -1.22 -5.64	96.86 -1.02 -4.75	126.03 0.00 -4.24	137.08 -2.40 -6.28	127.00 -2.50 -4.47	112.45 -3.07 -6.02	102.47 -2.79 -5.67	90.19 -3.31 -6.49	86.79 -3.50 -6.84	85.18 -3.52 -6.90	83.46 -3.49 -7.70	95.66 -2.47 -6.67	105.78 -2.56 -5.98	136.47 -2.50 -7.43	129.36 -2.14 -5.83	117.82 -2.63 -6.31	106.71 -2.98 -6.91	95.01 -3.70 -8.42	88.57 -3.29 -7.61	90.78 -1.73 -6.21
BAYONEEC___CTG1 323682	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG10 323750	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG2 323683	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG3 323684	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG4 323685	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG5 323686	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG6 323687	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29

BAYONEEC___CTG7 323688	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG8 323689	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BAYONEEC___CTG9 323749	138.35 7.50 -45.65	127.62 7.27 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.52	163.85 11.20 -30.86	208.25 12.12 -62.94	197.91 11.63 -61.25	197.21 9.96 -77.76	200.79 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	214.99 9.22 -103.41	270.23 11.97 -126.73	253.07 11.43 -115.97	219.37 10.28 -94.96	203.57 9.14 -91.65	178.66 8.13 -80.24	167.86 7.75 -75.86	139.35 7.77 -45.29
BEACON___LESR 323632	146.19 4.60 -56.39	133.96 4.27 -48.97	128.83 4.32 -41.36	129.12 4.15 -45.06	131.01 3.97 -50.70	140.06 4.29 -42.64	166.72 6.82 -38.11	196.82 7.19 -56.44	172.23 6.87 -40.33	169.76 5.91 -54.36	155.84 5.08 -51.18	149.99 4.35 -58.64	149.34 4.09 -61.81	148.11 4.01 -62.30	152.78 3.96 -69.58	156.45 4.75 -60.24	161.96 5.63 -53.98	206.21 7.63 -67.05	185.39 7.16 -52.56	177.57 6.50 -56.93	170.80 5.65 -62.37	170.62 4.78 -75.54	156.90 4.38 -68.26	146.81 4.74 -55.77
BEAVER RIVER___HYD 24048	86.84 -0.17 -1.80	82.03 -0.24 -1.57	84.22 -0.25 -1.32	81.18 -0.16 -1.44	77.82 -0.15 -1.62	94.69 0.19 -1.36	124.35 1.34 -1.22	137.00 2.00 -1.80	127.82 1.51 -1.29	112.55 1.32 -1.73	102.01 0.79 -1.63	89.22 0.35 -1.87	85.76 0.34 -1.97	84.20 0.41 -1.99	81.86 0.40 -2.22	94.57 1.19 -1.92	105.82 1.74 -1.73	135.91 2.23 -2.14	129.24 1.89 -1.68	117.33 1.37 -1.82	105.80 1.03 -1.99	93.43 0.72 -2.41	86.52 0.08 -2.18	87.82 -0.26 -1.78
BEEBEE_GT_13 23619	89.79 -0.77 -5.35	84.47 -0.89 -4.65	86.08 -1.00 -3.92	83.14 -1.04 -4.28	80.32 -0.84 -4.81	96.44 -0.75 -4.04	125.53 0.12 -3.62	137.22 -1.33 -5.35	127.47 -1.38 -3.82	112.78 -1.86 -5.14	102.84 -1.59 -4.84	90.63 -1.91 -5.55	87.20 -2.09 -5.84	85.56 -2.13 -5.89	83.68 -2.14 -6.58	95.69 -1.46 -5.69	105.93 -1.54 -5.11	136.70 -1.54 -6.35	129.51 -1.13 -4.97	118.04 -1.48 -5.39	106.93 -1.75 -5.90	95.21 -2.26 -7.17	88.62 -2.11 -6.48	90.47 -1.12 -5.29
BENSHRST_27_KV_BENSHRST_1 355998	139.55 8.69 -45.65	128.67 8.31 -39.65	125.12 8.48 -33.49	124.45 8.07 -36.48	125.18 7.79 -41.05	137.34 9.69 -34.52	164.83 12.18 -30.86	213.26 13.45 -66.62	205.25 12.88 -67.35	205.77 11.17 -85.11	213.02 10.36 -103.08	217.50 8.96 -121.54	198.46 8.51 -106.50	198.77 8.34 -108.62	198.33 8.00 -111.08	241.04 9.42 -140.16	299.82 10.85 -186.62	456.67 13.94 -311.19	442.15 13.45 -303.04	329.21 12.10 -202.97	213.87 10.69 -100.41	243.66 9.66 -143.70	173.41 8.93 -80.23	140.32 8.72 -45.31
BETHLEHEM___GRP 23843	144.64 2.98 -56.46	132.48 2.74 -49.03	127.39 2.83 -41.41	127.73 2.72 -45.12	129.70 2.60 -50.76	138.34 2.51 -42.69	163.48 3.53 -38.15	193.43 3.73 -56.51	168.91 3.50 -40.38	166.98 3.07 -54.42	153.51 2.69 -51.24	147.97 2.26 -58.71	147.50 2.17 -61.88	146.39 2.21 -62.38	151.04 2.14 -69.66	154.33 2.56 -60.31	159.41 2.97 -54.09	202.62 3.95 -67.14	182.07 3.77 -52.63	174.57 3.42 -57.00	168.20 2.98 -62.44	168.43 2.53 -75.61	154.94 2.36 -68.33	145.14 3.02 -55.82
BETHLEHEM___GS1 323560	144.64 2.98 -56.46	132.48 2.75 -49.03	127.39 2.83 -41.41	127.73 2.72 -45.12	129.70 2.60 -50.76	138.34 2.52 -42.69	163.48 3.53 -38.15	193.30 3.60 -56.51	168.91 3.50 -40.38	166.87 2.96 -54.42	153.52 2.69 -51.24	147.97 2.26 -58.71	147.49 2.17 -61.88	146.39 2.21 -62.38	151.04 2.14 -69.66	154.32 2.56 -60.31	159.37 2.97 -54.05	202.61 3.94 -67.13	182.06 3.77 -52.63	174.56 3.42 -57.00	168.20 2.98 -62.44	168.43 2.52 -75.61	154.94 2.36 -68.33	145.13 3.02 -55.82
BETHLEHEM___GS2 323561	144.64 2.98 -56.46	132.48 2.75 -49.03	127.39 2.83 -41.41	127.73 2.72 -45.12	129.70 2.60 -50.76	138.34 2.52 -42.69	163.48 3.53 -38.15	193.30 3.60 -56.51	168.91 3.50 -40.38	166.87 2.96 -54.42	153.52 2.69 -51.24	147.97 2.26 -58.71	147.49 2.17 -61.88	146.39 2.21 -62.38	151.04 2.14 -69.66	154.32 2.56 -60.31	159.37 2.97 -54.05	202.61 3.94 -67.13	182.06 3.77 -52.63	174.56 3.42 -57.00	168.20 2.98 -62.44	168.43 2.52 -75.61	154.94 2.36 -68.33	145.13 3.02 -55.82
BETHLEHEM___GS3 323562	144.64 2.98 -56.46	132.48 2.75 -49.03	127.39 2.83 -41.41	127.73 2.72 -45.12	129.70 2.60 -50.76	138.34 2.52 -42.69	163.48 3.53 -38.15	193.30 3.60 -56.51	168.91 3.50 -40.38	166.87 2.96 -54.42	153.52 2.69 -51.24	147.97 2.26 -58.71	147.49 2.17 -61.88	146.39 2.21 -62.38	151.04 2.14 -69.66	154.32 2.56 -60.31	159.37 2.97 -54.05	202.61 3.94 -67.13	182.06 3.77 -52.63	174.56 3.42 -57.00	168.20 2.98 -62.44	168.43 2.52 -75.61	154.94 2.36 -68.33	145.13 3.02 -55.82
BETHLEHEM___STEEL 23779	88.78 -3.75 -7.32	83.44 -3.63 -6.36	84.70 -3.82 -5.37	82.00 -3.76 -5.85	79.42 -3.51 -6.58	94.67 -4.00 -5.54	122.36 -4.38 -4.95	133.33 -7.19 -7.33	123.22 -7.00 -5.19	109.82 -6.68 -7.00	100.10 -6.07 -6.59	88.72 -5.83 -7.55	85.40 -6.01 -7.96	83.94 -5.89 -8.03	82.34 -5.86 -8.96	93.64 -5.58 -7.76	103.28 -6.04 -6.96	132.82 -7.37 -8.65	125.79 -6.66 -6.78	114.86 -6.62 -7.34	104.35 -6.48 -8.05	93.53 -6.59 -9.83	87.24 -5.90 -8.88	89.49 -4.06 -7.25
BETHLHEM_115KV_TB1 79974	144.69 3.07 -56.42	132.61 2.91 -49.00	127.52 2.99 -41.38	127.78 2.80 -45.09	129.82 2.75 -50.72	138.49 2.70 -42.66	163.82 3.90 -38.13	193.66 4.00 -56.47	169.26 3.88 -40.35	167.16 3.28 -54.38	153.78 2.99 -51.20	148.19 2.52 -58.67	147.70 2.42 -61.84	146.51 2.37 -62.34	151.15 2.30 -69.61	154.56 2.84 -60.27	159.58 3.17 -54.05	202.83 4.21 -67.09	182.41 4.15 -52.59	174.76 3.65 -56.97	168.37 3.19 -62.40	168.57 2.71 -75.56	155.15 2.61 -68.28	145.27 3.19 -55.78
BETHPAGE_CC_5 323564	143.90 9.12 -49.57	139.07 8.80 -49.56	127.34 8.98 -35.21	128.16 8.55 -39.71	139.17 8.25 -54.57	144.21 10.52 -40.56	164.95 12.78 -30.37	191.91 13.85 -44.87	171.80 13.00 -33.77	164.55 10.74 -44.31	153.41 9.96 -43.87	146.79 9.40 -50.40	145.71 9.02 -53.25	146.31 8.84 -55.67	146.20 8.48 -58.48	153.63 9.79 -52.38	161.14 11.06 -47.72	221.79 14.73 -75.52	203.81 14.07 -64.07	185.12 12.09 -58.89	166.59 10.89 -52.92	162.52 9.57 -62.66	150.91 9.27 -57.39	148.74 9.41 -53.03
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	88.78 -3.83 -7.41	83.43 -3.71 -6.44	84.68 -3.91 -5.44	81.91 -3.92 -5.92	79.35 -3.66 -6.66	94.55 -4.19 -5.60	122.29 -4.51 -5.01	133.29 -7.33 -7.42	123.28 -7.00 -5.25	109.89 -6.68 -7.08	100.17 -6.07 -6.66	88.80 -5.83 -7.63	85.49 -6.01 -8.05	84.02 -5.89 -8.11	82.44 -5.86 -9.06	93.72 -5.58 -7.84	103.35 -6.04 -7.04	132.78 -7.50 -8.75	125.74 -6.79 -6.86	114.94 -6.62 -7.43	104.33 -6.58 -8.13	93.56 -6.68 -9.95	87.18 -6.07 -8.99	89.41 -4.23 -7.34

BINGHAMTON___COGEN 23790	101.09 0.94 -14.95	94.58 0.89 -12.99	95.03 0.91 -10.97	92.73 0.88 -11.95	90.63 0.84 -13.45	105.65 1.21 -11.31	134.21 2.31 -10.11	150.16 2.00 -14.97	137.48 1.75 -10.70	125.01 1.09 -14.42	114.06 0.90 -13.58	103.17 0.61 -15.56	100.20 0.33 -16.42	98.76 0.41 -16.55	98.04 0.32 -18.49	108.29 0.82 -16.00	117.84 1.13 -14.35	151.48 2.10 -17.84	141.67 2.01 -13.99	131.00 1.71 -15.15	120.71 1.34 -16.60	111.29 0.90 -20.09	102.91 0.51 -18.15	102.08 0.95 -14.83
BIXINCNT_115KV_LOAD 355685	88.53 -4.52 -7.84	83.00 -4.52 -6.81	84.17 -4.74 -5.75	81.45 -4.71 -6.27	78.90 -4.50 -7.05	93.76 -5.31 -5.93	121.00 -6.09 -5.30	132.65 -8.39 -7.85	122.41 -8.13 -5.51	109.26 -7.66 -7.43	99.81 -6.77 -6.99	88.14 -6.87 -8.01	84.72 -7.18 -8.45	83.28 -7.03 -8.51	81.78 -6.97 -9.51	92.83 -6.86 -8.23	102.37 -7.37 -7.38	131.37 -9.34 -9.18	124.19 -8.67 -7.19	113.60 -8.33 -7.79	103.09 -8.22 -8.54	92.61 -8.22 -10.53	86.36 -7.41 -9.52	88.72 -5.35 -7.77
BLACK RIVER___HYD 24047	88.49 0.85 -2.44	83.55 0.72 -2.11	85.85 0.92 -1.79	82.73 0.88 -1.95	79.38 0.84 -2.19	96.38 1.40 -1.84	126.84 3.41 -1.65	139.89 4.26 -2.44	130.26 3.50 -1.74	114.68 2.84 -2.34	103.89 2.09 -2.21	91.00 1.48 -2.53	87.44 1.33 -2.66	85.96 1.47 -2.68	83.67 1.43 -3.00	96.79 2.74 -2.60	108.17 3.48 -2.33	139.30 4.87 -2.89	132.21 4.28 -2.27	119.91 3.31 -2.46	108.25 2.78 -2.69	95.72 2.16 -3.26	88.29 1.09 -2.95	89.48 0.77 -2.41
BLACKRVR_115KV_TB2 79977	88.49 0.85 -2.44	83.55 0.73 -2.11	85.85 0.91 -1.79	82.72 0.88 -1.95	79.38 0.84 -2.19	96.37 1.40 -1.84	126.97 3.53 -1.65	140.03 4.40 -2.44	130.27 3.50 -1.74	114.69 2.85 -2.35	103.99 2.19 -2.21	91.01 1.48 -2.53	87.45 1.34 -2.66	85.96 1.47 -2.68	83.67 1.43 -3.00	96.80 2.74 -2.60	108.27 3.58 -2.33	139.30 4.87 -2.89	132.46 4.52 -2.27	120.02 3.42 -2.46	108.24 2.78 -2.69	95.72 2.17 -3.26	88.29 1.10 -2.95	89.48 0.78 -2.41
BLISS_WT_PWR 323608	88.28 -4.77 -7.84	82.76 -4.76 -6.81	83.83 -5.07 -5.75	81.21 -4.95 -6.27	78.44 -4.96 -7.05	93.38 -5.68 -5.93	120.03 -7.07 -5.30	131.72 -9.33 -7.85	121.54 -9.00 -5.51	108.49 -8.43 -7.43	99.21 -7.37 -6.99	87.44 -7.57 -8.01	84.14 -7.76 -8.45	82.71 -7.60 -8.51	81.22 -7.53 -9.51	92.19 -7.50 -8.23	101.35 -8.39 -7.39	130.23 -10.65 -9.35	122.44 -10.56 -7.33	112.14 -9.93 -7.94	101.81 -9.67 -8.69	91.80 -9.03 -10.53	85.76 -8.01 -9.52	88.12 -5.95 -7.77
BLUESTONE___WT_PWR 323821	108.62 7.24 -16.18	101.45 6.70 -14.05	102.00 6.99 -11.86	99.61 6.79 -12.93	97.46 6.57 -14.54	114.22 8.85 -12.23	146.24 13.52 -10.93	164.30 14.91 -16.19	149.64 13.00 -11.61	135.65 10.51 -15.64	123.67 9.36 -14.73	111.71 7.83 -16.87	108.32 7.09 -17.78	106.84 7.11 -17.93	105.99 6.73 -20.02	117.66 8.87 -17.33	128.25 10.33 -15.56	165.06 14.21 -19.31	154.26 13.45 -15.14	141.95 11.41 -16.40	130.61 9.87 -17.96	120.45 8.40 -21.76	110.83 6.91 -19.66	109.52 7.16 -16.06
BLUE_CIRC_CHEM_DRP 24182	144.53 3.75 -55.58	132.45 3.47 -48.27	127.58 3.66 -40.77	127.75 3.44 -44.42	129.60 3.28 -49.97	138.70 3.54 -42.02	164.59 5.24 -37.56	194.15 5.33 -55.63	169.78 5.00 -39.75	167.34 4.27 -53.58	153.81 3.78 -50.44	148.01 3.22 -57.80	147.45 3.09 -60.92	146.32 3.11 -61.41	150.83 3.01 -68.58	154.40 3.57 -59.37	159.80 4.20 -53.25	203.21 5.66 -66.02	182.83 5.40 -51.76	175.11 4.91 -56.06	168.50 4.32 -61.41	168.37 3.70 -74.37	154.92 3.45 -67.21	145.09 3.88 -54.91
BOC_GAS_DRP 24189	144.65 3.24 -56.21	132.51 2.99 -48.81	127.54 3.16 -41.23	127.85 3.04 -44.92	129.78 2.90 -50.53	138.99 3.35 -42.50	164.16 4.38 -37.99	194.11 4.66 -56.26	169.73 4.50 -40.20	167.51 3.83 -54.18	154.08 3.49 -51.01	148.49 3.04 -58.45	147.89 2.84 -61.60	146.68 2.78 -62.10	151.29 2.69 -69.35	154.70 3.20 -60.04	159.79 3.58 -53.85	203.11 4.74 -66.84	182.59 4.52 -52.40	175.00 4.11 -56.75	168.55 3.60 -62.17	168.75 3.16 -75.29	155.25 2.95 -68.04	145.16 3.28 -55.59
BOONVILLE_115KV_TB1 79983	89.67 2.81 -1.65	84.73 2.58 -1.44	87.03 2.66 -1.21	83.86 2.64 -1.32	80.43 2.60 -1.49	97.93 3.54 -1.25	128.63 5.72 -1.12	141.38 6.53 -1.66	132.09 5.88 -1.18	116.02 4.93 -1.60	105.37 4.28 -1.50	92.29 3.57 -1.72	88.52 3.25 -1.81	86.82 3.19 -1.83	84.37 3.09 -2.04	97.43 4.21 -1.77	108.85 4.91 -1.58	139.95 6.45 -1.97	133.12 5.91 -1.54	120.83 5.02 -1.67	108.82 4.21 -1.83	96.04 3.52 -2.22	89.04 2.78 -2.00	90.61 2.68 -1.64
BORALEX_4TH_BRANCH 23824	146.85 5.37 -56.28	134.59 5.00 -48.88	129.34 4.91 -41.28	129.67 4.79 -44.98	131.83 4.89 -50.60	141.93 6.24 -42.55	167.99 8.16 -38.04	198.32 8.79 -56.33	173.78 8.50 -40.25	171.30 7.56 -54.25	157.44 6.77 -51.08	151.35 5.83 -58.53	150.64 5.51 -61.69	149.38 5.40 -62.18	153.84 5.15 -69.44	157.71 6.13 -60.12	163.44 7.17 -53.92	207.68 9.21 -66.94	187.06 8.92 -52.47	179.08 8.10 -56.84	172.03 6.99 -62.26	171.50 5.78 -75.42	157.72 5.31 -68.16	147.16 5.18 -55.68
BOWLINE___1 23526	135.56 6.14 -44.22	125.08 5.97 -38.40	121.65 6.07 -32.43	120.99 5.76 -35.34	121.67 5.57 -39.76	133.74 7.17 -33.43	160.93 9.25 -29.88	188.02 9.86 -44.97	167.35 9.50 -32.82	161.31 8.22 -43.60	148.66 7.47 -41.60	140.92 6.18 -47.75	139.69 5.84 -50.40	138.29 5.64 -50.85	140.57 5.46 -55.86	147.27 6.40 -49.41	154.34 7.06 -44.93	206.08 9.20 -65.34	188.58 8.79 -54.12	175.29 7.87 -53.28	160.62 7.09 -50.76	156.98 6.41 -60.27	144.78 5.98 -54.54	136.20 6.04 -43.87
BOWLINE___2 23595	135.56 6.14 -44.22	125.09 5.97 -38.40	121.65 6.07 -32.44	121.00 5.76 -35.34	121.68 5.57 -39.76	133.74 7.17 -33.44	160.93 9.25 -29.89	188.03 9.86 -44.98	167.35 9.50 -32.82	161.32 8.22 -43.61	148.66 7.47 -41.60	141.10 6.35 -47.75	139.87 6.01 -50.41	138.47 5.81 -50.86	140.74 5.63 -55.87	147.37 6.49 -49.41	154.56 7.27 -44.93	206.37 9.48 -65.36	188.86 9.05 -54.13	175.53 8.10 -53.29	160.73 7.19 -50.76	157.08 6.51 -60.27	144.95 6.15 -54.55	136.29 6.13 -43.87
BRADY___115KV_TB2 356060	81.88 -3.32 0.00	77.56 -3.15 0.00	79.91 -3.24 0.00	76.94 -2.96 0.00	73.52 -2.82 0.00	89.69 -3.45 0.00	116.80 -4.99 0.00	128.13 -5.06 0.00	120.15 -4.88 0.00	106.10 -3.39 0.00	96.30 -3.29 0.00	84.13 -2.87 0.00	81.03 -2.42 0.00	79.43 -2.37 0.00	77.02 -2.22 0.00	88.35 -3.11 0.00	99.18 -3.17 0.00	126.27 -5.26 0.00	120.77 -4.90 0.00	110.37 -3.77 0.00	99.49 -3.29 0.00	87.32 -2.98 0.00	81.73 -2.53 0.00	83.28 -3.02 0.00
BRANSCOMB___SOLAR 323811	148.79 5.71 -57.87	136.30 5.33 -50.26	130.76 5.16 -42.45	131.02 4.87 -46.25	133.04 4.66 -52.03	142.29 5.40 -43.76	169.68 8.77 -39.11	200.58 9.46 -57.92	175.17 8.75 -41.39	172.62 7.34 -55.79	158.49 6.38 -52.53	152.76 5.57 -60.19	152.23 5.35 -63.43	150.98 5.24 -63.94	155.80 5.15 -71.41	159.41 6.13 -61.82	165.24 7.47 -55.42	210.64 10.27 -68.83	189.31 9.68 -53.96	181.26 8.67 -58.45	174.21 7.40 -64.03	174.08 6.23 -77.55	159.90 5.56 -70.09	148.99 5.44 -57.26
BRENTWOD_69_KV_W. BRTWOOD 56703	144.57 9.80 -49.57	139.71 9.44 -49.56	128.09 9.73 -35.21	128.87 9.27 -39.71	139.85 8.93 -54.57	144.96 11.27 -40.56	163.07 11.69 -29.58	187.05 12.39 -41.47	168.84 11.50 -32.31	162.25 9.42 -43.34	153.31 9.86 -43.86	147.05 9.66 -50.39	145.96 9.26 -53.25	146.88 9.41 -55.67	146.44 8.72 -58.48	153.16 9.33 -52.38	160.60 10.85 -47.39	221.00 13.94 -75.52	202.68 12.94 -64.07	181.47 11.07 -56.26	165.45 10.59 -52.09	163.34 10.38 -62.66	151.75 10.11 -57.39	149.60 10.27 -53.03



BRISTLHL_115KV_TB1 79998	88.04 -0.85 -3.68	83.02 -0.89 -3.20	84.94 -0.91 -2.70	81.97 -0.88 -2.94	78.90 -0.76 -3.31	94.80 -1.12 -2.79	123.43 -0.85 -2.49	136.08 -0.80 -3.69	126.79 -0.88 -2.63	112.06 -0.99 -3.55	101.93 -1.00 -3.34	89.87 -0.96 -3.83	86.39 -1.08 -4.03	84.80 -1.06 -4.06	82.74 -1.03 -4.53	94.56 -0.82 -3.92	104.96 -0.92 -3.52	135.25 -0.66 -4.37	128.47 -0.63 -3.43	117.05 -0.80 -3.71	105.92 -0.93 -4.07	94.14 -1.08 -4.93	87.53 -1.18 -4.45	88.90 -1.04 -3.64
BROOKHAVEN___DRP 24191	145.00 10.22 -49.57	140.12 9.85 -49.56	128.42 10.06 -35.21	129.19 9.59 -39.71	140.23 9.31 -54.57	145.33 11.64 -40.56	163.34 11.69 -29.86	187.97 12.12 -42.66	168.98 11.13 -32.82	162.07 8.98 -43.60	153.01 9.56 -43.86	147.05 9.66 -50.39	145.96 9.26 -53.25	146.96 9.49 -55.67	146.44 8.72 -58.48	153.07 9.24 -52.38	160.80 10.95 -47.49	220.48 13.42 -75.52	202.18 12.44 -64.07	181.94 10.61 -57.18	165.43 10.28 -52.38	163.88 10.93 -62.66	152.34 10.70 -57.39	150.12 10.79 -53.03
BROOKLYN_NAVY_YARD 23515	138.43 7.58 -45.65	127.70 7.34 -39.64	124.12 7.49 -33.48	123.49 7.11 -36.48	124.26 6.87 -41.04	136.50 8.85 -34.52	164.10 11.45 -30.86	208.52 12.39 -62.94	198.03 11.75 -61.25	197.32 10.07 -77.76	200.90 9.26 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.59 8.32 -123.81	215.08 9.31 -103.41	270.63 12.36 -126.73	253.44 11.81 -115.97	219.59 10.49 -94.96	203.68 9.25 -91.65	178.93 8.40 -80.24	168.03 7.92 -75.86	139.61 8.03 -45.29
BROOKLYN___ARMY_DRP 323595	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
BROOKVLE_69_KV_TB1 55790	143.89 9.12 -49.57	139.07 8.80 -49.56	127.34 8.98 -35.21	128.15 8.55 -39.71	139.24 8.32 -54.57	144.22 10.52 -40.56	164.93 12.30 -30.84	193.38 13.32 -46.86	172.28 12.63 -34.62	165.19 10.51 -45.19	153.61 10.16 -43.86	146.87 9.48 -50.39	145.79 9.10 -53.25	146.63 9.16 -55.67	146.20 8.48 -58.48	153.35 9.51 -52.38	161.17 10.95 -47.86	221.40 14.34 -75.52	203.18 13.45 -64.07	186.43 11.87 -60.43	167.08 10.89 -53.41	162.98 10.02 -62.66	151.16 9.52 -57.39	148.91 9.58 -53.03
BROOME_2_LFGE 323671	101.10 0.94 -14.95	94.59 0.89 -12.99	95.04 0.92 -10.97	92.73 0.88 -11.95	90.63 0.84 -13.45	105.65 1.21 -11.31	134.21 2.31 -10.11	150.16 2.00 -14.97	137.37 1.62 -10.72	125.03 1.09 -14.44	114.08 0.89 -13.60	103.19 0.61 -15.58	100.20 0.34 -16.42	98.76 0.41 -16.55	98.05 0.32 -18.49	108.28 0.82 -16.00	117.64 0.92 -14.36	151.34 1.98 -17.83	141.41 1.76 -13.98	130.65 1.37 -15.14	120.39 1.03 -16.59	111.20 0.81 -20.09	102.92 0.51 -18.15	102.08 0.95 -14.83
BROOME___LFGE 323600	101.10 0.94 -14.95	94.59 0.89 -12.99	95.04 0.92 -10.97	92.73 0.88 -11.95	90.63 0.84 -13.45	105.65 1.21 -11.31	134.21 2.31 -10.11	150.16 2.00 -14.97	137.37 1.62 -10.72	125.03 1.09 -14.44	114.08 0.89 -13.60	103.19 0.61 -15.58	100.20 0.34 -16.42	98.76 0.41 -16.55	98.05 0.32 -18.49	108.28 0.82 -16.00	117.64 0.92 -14.36	151.34 1.98 -17.83	141.41 1.76 -13.98	130.65 1.37 -15.14	120.39 1.03 -16.59	111.20 0.81 -20.09	102.92 0.51 -18.15	102.08 0.95 -14.83
BROWNFLS_115KV_TB_3_5 80003	83.74 -2.73 -1.26	79.22 -2.58 -1.09	81.41 -2.66 -0.92	78.43 -2.48 -1.01	75.11 -2.37 -1.13	91.11 -2.98 -0.95	119.23 -3.41 -0.85	131.26 -3.20 -1.26	122.68 -3.25 -0.90	108.19 -2.52 -1.21	98.14 -2.59 -1.14	85.87 -2.44 -1.31	82.66 -2.17 -1.38	81.06 -2.13 -1.39	78.73 -2.06 -1.55	90.70 -2.10 -1.34	101.51 -2.05 -1.20	130.01 -3.03 -1.50	123.83 -3.02 -1.17	112.78 -2.63 -1.27	101.70 -2.47 -1.39	89.64 -2.35 -1.69	83.50 -2.27 -1.52	84.87 -2.68 -1.24
BROWNSV1_27_KV_LOAD 356125	139.12 8.26 -45.65	128.34 7.99 -39.64	124.78 8.15 -33.48	124.13 7.75 -36.48	124.87 7.48 -41.04	137.15 9.50 -34.52	164.71 12.06 -30.86	209.45 13.32 -62.94	199.03 12.75 -61.25	198.20 10.95 -77.75	201.79 10.16 -92.05	204.16 8.87 -108.29	188.46 8.43 -96.58	188.47 8.26 -98.40	188.37 7.84 -101.28	224.33 9.05 -123.81	215.87 10.13 -103.38	271.55 13.29 -126.73	254.33 12.69 -115.97	220.62 11.53 -94.96	204.71 10.28 -91.65	179.65 9.12 -80.24	168.79 8.68 -75.86	140.22 8.63 -45.29
BURROWS___LYONSDAL 23803	89.19 2.30 -1.68	84.27 2.10 -1.46	86.55 2.16 -1.23	83.32 2.08 -1.35	79.92 2.06 -1.51	97.30 2.89 -1.27	127.92 4.99 -1.14	140.61 5.73 -1.68	131.36 5.13 -1.20	115.50 4.38 -1.62	104.80 3.68 -1.53	91.71 2.96 -1.75	88.05 2.75 -1.84	86.36 2.70 -1.86	83.93 2.61 -2.08	96.91 3.66 -1.80	108.37 4.40 -1.61	139.19 5.66 -2.00	132.52 5.28 -1.57	120.18 4.34 -1.70	108.34 3.70 -1.86	95.62 3.07 -2.26	88.57 2.27 -2.04	90.12 2.16 -1.67
CAITHNESS_CC_1 323624	145.68 10.91 -49.57	140.76 10.49 -49.56	129.00 10.65 -35.21	129.84 10.23 -39.71	140.84 9.92 -54.57	146.18 12.48 -40.56	166.16 14.49 -29.88	191.38 15.44 -42.74	172.01 14.12 -32.86	164.61 11.49 -43.62	154.50 11.05 -43.86	148.09 10.70 -50.40	147.21 10.51 -53.25	147.53 10.06 -55.67	147.62 9.90 -58.48	155.08 11.25 -52.38	162.48 12.59 -47.54	223.36 16.31 -75.52	205.31 15.58 -64.07	184.62 13.23 -57.25	166.99 11.81 -52.40	163.33 10.38 -62.66	152.00 10.36 -57.39	149.77 10.44 -53.03
CALPINE BETH_PAGE_GT4 24209	143.81 9.03 -49.57	138.99 8.72 -49.56	127.25 8.90 -35.21	128.07 8.47 -39.71	139.16 8.25 -54.57	144.12 10.43 -40.56	163.91 11.57 -30.55	191.36 12.52 -45.64	170.88 11.75 -34.10	163.82 9.75 -44.58	153.01 9.56 -43.86	146.53 9.13 -50.39	145.46 8.76 -53.25	146.30 8.83 -55.67	145.88 8.16 -58.48	152.80 8.96 -52.38	160.55 10.44 -47.75	220.74 13.68 -75.52	202.55 12.82 -64.07	184.81 11.19 -59.49	166.27 10.38 -53.11	162.71 9.75 -62.66	151.00 9.35 -57.39	148.73 9.41 -53.03
CALPINE_BETH_PAGE_GT_4 323586	143.90 9.12 -49.57	139.07 8.80 -49.56	127.34 8.98 -35.21	128.16 8.55 -39.71	139.17 8.25 -54.57	144.12 10.43 -40.56	165.25 12.90 -30.55	192.69 13.85 -45.64	172.25 13.12 -34.10	164.92 10.84 -44.59	153.41 9.96 -43.87	146.71 9.31 -50.40	145.71 9.02 -53.25	146.31 8.84 -55.67	146.20 8.48 -58.48	153.63 9.79 -52.38	161.21 11.06 -47.79	221.79 14.73 -75.52	203.81 14.07 -64.07	185.84 12.22 -59.49	166.78 10.89 -53.11	162.52 9.57 -62.66	150.91 9.27 -57.39	148.74 9.41 -53.03
CALPINE_BP_GT1 23823	143.90 9.12 -49.57	139.07 8.80 -49.56	127.34 8.98 -35.21	128.16 8.55 -39.71	139.17 8.25 -54.57	144.12 10.43 -40.56	165.25 12.90 -30.55	192.69 13.85 -45.64	172.25 13.12 -34.10	164.92 10.84 -44.59	153.41 9.96 -43.87	146.71 9.31 -50.40	145.71 9.02 -53.25	146.31 8.84 -55.67	146.20 8.48 -58.48	153.63 9.79 -52.38	161.21 11.06 -47.79	221.79 14.73 -75.52	203.81 14.07 -64.07	185.84 12.22 -59.49	166.78 10.89 -53.11	162.52 9.57 -62.66	150.91 9.27 -57.39	148.74 9.41 -53.03
CALSPAN___DRP 24200	88.78 -3.75 -7.32	83.44 -3.63 -6.36	84.70 -3.82 -5.37	82.00 -3.76 -5.85	79.42 -3.51 -6.58	94.67 -4.00 -5.54	122.36 -4.38 -4.95	133.33 -7.19 -7.33	123.22 -7.00 -5.19	109.82 -6.68 -7.00	100.10 -6.07 -6.59	88.72 -5.83 -7.55	85.40 -6.01 -7.96	83.94 -5.89 -8.03	82.34 -5.86 -8.96	93.64 -5.58 -7.76	103.28 -6.04 -6.96	132.82 -7.37 -8.65	125.79 -6.66 -6.78	114.86 -6.62 -7.34	104.35 -6.48 -8.05	93.53 -6.59 -9.83	87.24 -5.90 -8.88	89.49 -4.06 -7.25

CALVERTON___SOLAR 323806	146.61 11.84 -49.57	141.65 11.38 -49.56	129.84 11.48 -35.21	130.55 10.95 -39.71	141.61 10.69 -54.57	147.19 13.50 -40.56	167.47 15.83 -29.85	192.73 16.92 -42.62	173.34 15.50 -32.80	165.67 12.59 -43.59	155.40 11.94 -43.86	148.79 11.39 -50.40	147.88 11.19 -53.25	148.10 10.63 -55.67	148.34 10.62 -58.48	155.91 12.07 -52.38	163.61 13.72 -47.53	224.69 17.63 -75.52	206.58 16.85 -64.07	185.68 14.38 -57.16	167.89 12.74 -52.37	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03
CANDIGU_WT_PWR 323617	94.42 -1.02 -10.23	88.63 -0.96 -8.89	89.57 -1.08 -7.50	86.96 -1.12 -8.18	84.48 -1.07 -9.20	99.94 -0.93 -7.74	128.46 -0.24 -6.91	141.84 -1.59 -10.24	130.52 -1.87 -7.37	117.12 -2.30 -9.93	106.74 -2.19 -9.35	95.45 -2.26 -10.71	92.15 -2.59 -11.29	90.73 -2.45 -11.38	89.49 -2.46 -12.71	100.45 -2.01 -11.00	109.98 -2.25 -9.87	142.02 -1.71 -12.20	133.22 -2.02 -9.57	122.33 -2.17 -10.36	111.77 -2.36 -11.35	101.61 -2.43 -13.75	94.23 -2.45 -12.42	95.06 -1.38 -10.15
CARR STREET_E_SYR 24060	89.17 -0.25 -4.23	84.06 -0.32 -3.67	85.92 -0.33 -3.10	82.96 -0.32 -3.38	79.92 -0.23 -3.80	95.78 -0.56 -3.19	123.92 -0.73 -2.86	136.76 -0.66 -4.23	127.30 -0.75 -3.02	112.68 -0.88 -4.07	102.52 -0.90 -3.83	90.51 -0.87 -4.39	87.07 -1.00 -4.62	85.56 -0.90 -4.66	83.73 -0.71 -5.20	95.23 -0.73 -4.51	105.48 -0.92 -4.04	135.90 -0.65 -5.02	128.73 -0.87 -3.94	117.37 -1.03 -4.26	106.42 -1.03 -4.67	95.23 -0.73 -5.66	88.78 -0.59 -5.11	90.13 -0.34 -4.18
CARTHAGE___PAPER 23857	87.31 -0.09 -2.19	82.37 -0.24 -1.90	84.59 -0.17 -1.61	81.49 -0.16 -1.75	78.24 -0.08 -1.97	95.07 0.28 -1.66	124.98 1.70 -1.48	137.91 2.52 -2.19	128.47 1.88 -1.56	113.13 1.53 -2.11	102.57 1.00 -1.98	89.71 0.44 -2.27	86.26 0.42 -2.40	84.79 0.58 -2.42	82.50 0.56 -2.70	95.35 1.55 -2.34	106.70 2.25 -2.10	137.03 2.89 -2.60	130.35 2.64 -2.04	118.29 1.94 -2.21	106.64 1.44 -2.42	94.32 1.09 -2.93	87.16 0.25 -2.65	88.29 -0.17 -2.16
CASSADAGA_WT_PWR 323784	89.30 -3.75 -7.84	83.16 -4.36 -6.81	84.33 -4.57 -5.75	82.33 -3.83 -6.27	78.89 -4.50 -7.05	94.22 -4.85 -5.93	122.95 -4.14 -5.30	134.11 -6.93 -7.85	123.66 -6.88 -5.50	110.35 -6.57 -7.42	100.49 -6.08 -6.99	89.17 -5.83 -8.00	85.80 -6.09 -8.44	84.41 -5.89 -8.50	82.79 -5.94 -9.50	94.28 -5.40 -8.22	103.60 -6.14 -7.38	133.12 -7.76 -9.34	125.20 -7.79 -7.32	114.42 -7.65 -7.93	103.86 -7.60 -8.69	93.59 -7.23 -10.52	87.11 -6.66 -9.51	89.75 -4.31 -7.77
CE_DUNWOOD___DRP 24194	137.52 -45.50	126.84 -39.51	123.26 -33.37	122.65 -36.36	123.51 -40.91	135.54 -34.40	162.40 -30.75	190.72 -46.61	169.72 -34.31	163.68 -45.31	151.43 -43.48	144.15 -49.94	143.04 -52.75	141.75 -53.24	143.74 -58.08	150.71 -51.84	157.93 -47.28	215.41 -73.09	197.61 -61.64	182.14 -58.76	164.06 -52.96	160.13 -62.34	147.78 -56.45	138.45 -45.08
CE_MILLWOOD___DRP 24193	137.12 6.65 -45.27	126.48 6.46 -39.32	122.93 6.57 -33.21	122.31 6.23 -36.18	123.08 6.03 -40.70	135.10 7.73 -34.23	161.89 9.50 -30.60	190.07 10.66 -46.22	169.05 10.13 -33.89	163.03 8.65 -44.88	150.60 8.07 -42.95	143.36 7.05 -49.31	142.21 6.68 -52.08	140.90 6.54 -52.56	142.94 6.18 -57.52	149.80 7.23 -51.12	156.86 7.98 -46.52	211.99 10.39 -70.06	194.22 9.93 -58.62	179.83 9.02 -56.67	163.24 8.12 -52.34	159.47 7.31 -61.86	147.08 6.82 -56.00	137.98 6.82 -44.87
CE_NYC2_DRP 24202	138.78 7.92 -45.65	128.03 7.67 -39.65	124.45 7.82 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.78 9.13 -34.52	163.74 11.08 -30.86	212.07 12.25 -66.62	204.00 11.63 -67.35	204.67 10.07 -85.11	212.12 9.46 -103.08	216.80 8.26 -121.54	197.79 7.84 -106.50	198.11 7.69 -108.62	197.61 7.29 -111.08	240.12 8.51 -140.16	228.06 9.62 -116.08	282.35 12.36 -138.45	265.32 11.81 -127.84	227.73 10.73 -102.86	212.85 9.66 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
CE_NYC_DRP 24195	138.43 7.58 -45.65	127.70 7.34 -39.64	124.12 7.48 -33.48	123.49 7.11 -36.48	124.34 6.95 -41.04	136.50 8.85 -34.52	163.61 10.96 -30.86	207.63 12.25 -62.18	196.65 11.63 -59.99	195.80 10.07 -76.23	198.72 9.36 -89.77	200.64 8.09 -105.55	185.74 7.76 -94.53	185.70 7.61 -96.29	185.71 7.21 -99.26	220.21 8.32 -120.43	212.42 9.31 -100.75	267.95 12.10 -124.31	250.62 11.44 -113.51	217.85 10.39 -93.32	201.98 9.35 -89.84	178.01 8.31 -79.41	167.13 7.92 -74.95	139.43 7.85 -45.29
CHAFFEE___LFGE 323603	88.95 -3.83 -7.58	83.58 -3.71 -6.59	84.81 -3.91 -5.56	82.13 -3.83 -6.06	79.43 -3.74 -6.82	94.77 -4.10 -5.73	122.04 -4.88 -5.13	133.85 -6.93 -7.59	123.63 -6.75 -5.35	110.36 -6.35 -7.21	100.60 -5.78 -6.79	89.21 -5.57 -7.78	85.89 -5.76 -8.20	84.50 -5.57 -8.27	82.93 -5.55 -9.23	94.15 -5.31 -8.00	103.39 -6.14 -7.17	132.81 -7.76 -9.03	124.96 -7.79 -7.08	114.39 -7.42 -7.67	103.89 -7.29 -8.40	93.61 -6.87 -10.18	87.47 -5.98 -9.20	89.50 -4.31 -7.51
CHATEAUG_35_KV_LOAD 355732	83.84 -1.36 0.00	79.50 -1.21 0.00	81.82 -1.33 0.00	78.78 -1.12 0.00	75.20 -1.15 0.00	92.02 -1.12 0.00	118.87 -2.92 0.00	130.13 -3.06 0.00	121.90 -3.13 0.00	107.96 -1.53 0.00	97.99 -1.59 0.00	85.61 -1.39 0.00	82.45 -1.00 0.00	80.65 -1.15 0.00	78.37 -0.87 0.00	89.72 -1.74 0.00	101.13 -1.23 0.00	128.25 -3.29 0.00	122.78 -2.89 0.00	112.77 -1.37 0.00	101.65 -1.13 0.00	88.94 -1.35 0.00	83.33 -0.93 0.00	85.52 -0.78 0.00
CHATEAUG_WT_PWR 323614	83.58 -1.62 0.00	79.34 -1.37 0.00	81.66 -1.49 0.00	78.62 -1.28 0.00	75.05 -1.30 0.00	91.74 -1.39 0.00	118.75 -3.04 0.00	130.00 -3.20 0.00	121.78 -3.25 0.00	107.63 -1.86 0.00	97.80 -1.79 0.00	85.43 -1.56 0.00	82.20 -1.25 0.00	80.49 -1.31 0.00	78.05 -1.19 0.00	89.36 -2.10 0.00	100.72 -1.64 0.00	127.85 -3.68 0.00	122.65 -3.02 0.00	112.43 -1.71 0.00	101.44 -1.34 0.00	88.85 -1.45 0.00	83.07 -1.18 0.00	85.52 -0.78 0.00
CHAT_HIGH_FALL_HYD 323578	83.84 -1.36 0.00	79.50 -1.21 0.00	81.82 -1.33 0.00	78.78 -1.12 0.00	75.20 -1.15 0.00	92.02 -1.12 0.00	118.87 -2.92 0.00	130.13 -3.06 0.00	121.90 -3.13 0.00	107.96 -1.53 0.00	97.99 -1.59 0.00	85.61 -1.39 0.00	82.45 -1.00 0.00	80.65 -1.15 0.00	78.37 -0.87 0.00	89.72 -1.74 0.00	101.13 -1.23 0.00	128.25 -3.29 0.00	122.78 -2.89 0.00	112.77 -1.37 0.00	101.65 -1.13 0.00	88.94 -1.35 0.00	83.33 -0.93 0.00	85.52 -0.78 0.00
CHAUTAUQUA___LFGE 323629	89.61 -3.24 -7.64	84.03 -3.31 -6.63	85.27 -3.49 -5.60	82.65 -3.35 -6.11	79.78 -3.43 -6.87	95.28 -3.63 -5.78	123.18 -3.78 -5.16	134.72 -6.12 -7.65	124.43 -6.00 -5.40	110.97 -5.81 -7.28	101.16 -5.28 -6.85	89.72 -5.13 -7.85	86.38 -5.34 -8.27	84.99 -5.15 -8.34	83.32 -5.23 -9.32	94.76 -4.76 -8.06	103.97 -5.63 -7.24	133.66 -6.98 -9.10	125.77 -7.03 -7.13	115.13 -6.73 -7.73	104.56 -6.68 -8.47	94.23 -6.32 -10.25	87.96 -5.56 -9.27	90.07 -3.80 -7.57
CHERRYST_13_KV_LD 356241	138.69 7.84 -45.65	127.94 7.59 -39.64	124.37 7.73 -33.48	123.73 7.35 -36.48	124.57 7.18 -41.04	136.78 9.13 -34.52	164.10 11.45 -30.86	208.16 12.79 -62.18	197.15 12.13 -59.99	196.24 10.51 -76.23	199.11 9.76 -89.77	200.99 8.44 -105.55	185.99 8.01 -94.53	185.94 7.85 -96.29	186.03 7.53 -99.26	220.58 8.69 -120.43	212.83 9.72 -100.75	268.47 12.63 -124.31	251.12 11.94 -113.51	218.31 10.84 -93.32	202.28 9.66 -89.84	178.28 8.58 -79.41	167.38 8.17 -74.95	139.69 8.11 -45.29

CHESTROR_138KV_BK263 355645	132.80 5.28 -42.32	122.62 5.17 -36.75	119.43 5.24 -31.04	118.75 5.03 -33.82	119.28 4.89 -38.05	131.37 6.24 -31.99	158.06 7.67 -28.60	183.95 8.26 -42.50	163.53 8.00 -30.50	157.06 6.79 -40.78	144.35 6.37 -38.39	136.47 5.48 -43.99	135.38 5.17 -46.76	133.93 4.99 -47.14	136.27 4.83 -52.20	142.23 5.58 -45.19	149.71 6.35 -41.01	197.15 8.29 -57.33	180.07 7.92 -46.48	168.83 7.19 -47.50	156.65 6.48 -47.40	153.28 5.78 -57.20	141.41 5.48 -51.68	133.91 5.52 -42.09
CH_MIDHUDSON___DRP 24192	141.08 8.44 -47.44	129.90 7.99 -41.20	126.35 8.40 -34.80	125.88 8.07 -37.91	126.79 7.79 -42.65	139.06 10.06 -35.87	167.13 13.28 -32.06	194.62 13.99 -47.44	172.02 13.13 -33.86	166.18 10.95 -45.73	153.00 10.36 -43.06	145.03 8.70 -49.34	143.43 8.09 -51.88	141.87 7.77 -52.30	145.55 7.77 -58.54	151.19 9.05 -50.68	157.33 9.52 -45.45	199.64 12.89 -55.21	181.01 12.06 -43.28	171.98 10.96 -46.88	164.00 9.87 -51.35	161.26 8.76 -62.20	148.47 8.00 -56.21	140.24 8.03 -45.92
CH_MISC_IPPS 23765	141.20 8.69 -47.30	129.93 8.15 -41.08	126.41 8.57 -34.69	125.93 8.23 -37.80	126.81 7.94 -42.53	139.14 10.25 -35.76	167.52 13.76 -31.97	194.88 14.39 -47.30	172.29 13.51 -33.76	166.37 11.28 -45.60	153.18 10.66 -42.93	145.07 8.88 -49.19	143.43 8.26 -51.72	141.87 7.93 -52.14	145.53 7.92 -58.36	151.22 9.23 -50.53	155.84 9.41 -44.07	199.17 12.90 -54.74	180.52 11.94 -42.91	171.34 10.73 -46.48	163.35 9.66 -50.91	160.64 8.67 -61.67	147.90 7.92 -55.73	139.76 7.93 -45.53
CH_RES_BVR_FALLS 23983	83.50 -1.70 0.00	79.10 -1.61 0.00	81.49 -1.66 0.00	78.38 -1.52 0.00	74.82 -1.53 0.00	91.27 -1.86 0.00	119.00 -2.80 0.00	130.26 -2.93 0.00	122.28 -2.75 0.00	107.31 -2.19 0.00	97.59 -1.99 0.00	85.26 -1.74 0.00	81.95 -1.50 0.00	80.24 -1.56 0.00	77.82 -1.42 0.00	89.53 -1.92 0.00	100.31 -2.05 0.00	128.51 -3.02 0.00	122.90 -2.77 0.00	111.86 -2.28 0.00	100.82 -1.96 0.00	88.58 -1.72 0.00	82.74 -1.51 0.00	84.57 -1.73 0.00
CH_RES_NIAGARA 23895	86.14 -5.80 -6.74	81.07 -5.49 -5.85	82.36 -5.74 -4.94	79.69 -5.60 -5.38	76.99 -5.42 -6.06	92.08 -6.15 -5.09	117.70 -8.64 -4.55	127.68 -12.25 -6.74	117.94 -11.88 -4.79	105.11 -10.84 -6.45	95.80 -9.86 -6.08	84.83 -9.13 -6.96	81.69 -9.09 -7.34	80.36 -8.84 -7.40	78.70 -8.80 -8.26	89.74 -8.87 -7.15	98.44 -10.33 -6.42	126.80 -12.76 -8.02	119.27 -12.69 -6.29	109.31 -11.64 -6.81	99.34 -10.90 -7.46	89.31 -10.03 -9.04	83.83 -8.59 -8.17	86.24 -6.73 -6.67
CH_RES_SYRACUSE 23985	90.21 0.26 -4.75	85.07 0.24 -4.12	86.80 0.17 -3.48	83.85 0.16 -3.79	80.84 0.23 -4.27	96.91 0.19 -3.59	125.73 0.74 -3.21	138.88 0.94 -4.75	129.16 0.75 -3.38	114.37 0.33 -4.55	104.07 0.20 -4.28	91.99 0.09 -4.91	88.46 -0.17 -5.17	86.93 -0.08 -5.21	84.99 -0.08 -5.82	96.68 0.18 -5.04	107.09 0.21 -4.52	138.08 0.93 -5.62	130.70 0.63 -4.40	119.37 0.46 -4.77	108.21 0.21 -5.22	96.81 0.18 -6.33	89.97 0.00 -5.72	91.14 0.17 -4.67
CLINTON_WT_PWR 323605	83.58 -1.62 0.00	79.34 -1.37 0.00	81.66 -1.49 0.00	78.62 -1.28 0.00	75.05 -1.30 0.00	91.74 -1.39 0.00	118.75 -3.04 0.00	130.00 -3.20 0.00	121.78 -3.25 0.00	107.63 -1.86 0.00	97.80 -1.79 0.00	85.43 -1.56 0.00	82.20 -1.25 0.00	80.49 -1.31 0.00	78.05 -1.19 0.00	89.36 -2.10 0.00	100.72 -1.64 0.00	127.85 -3.68 0.00	122.65 -3.02 0.00	112.43 -1.71 0.00	101.44 -1.34 0.00	88.85 -1.45 0.00	83.07 -1.18 0.00	85.52 -0.78 0.00
CLINTON___LFGE 323618	84.70 -0.51 0.00	80.31 -0.40 0.00	82.66 -0.50 0.00	79.66 -0.24 0.00	76.04 -0.30 0.00	93.04 -0.09 0.00	120.20 -1.59 0.00	131.60 -1.59 0.00	123.16 -1.87 0.00	109.39 -0.11 0.00	99.29 -0.30 0.00	86.74 -0.26 0.00	83.53 0.08 0.00	81.72 -0.08 0.00	79.32 0.08 0.00	90.72 -0.73 0.00	102.56 0.21 0.00	129.69 -1.84 0.00	124.41 -1.26 0.00	114.48 0.34 0.00	103.19 0.41 0.00	90.30 0.00 0.00	84.34 0.08 0.00	87.16 0.86 0.00
COBBLENY_34_KV_TB1 80064	88.95 -3.83 -7.58	83.66 -3.63 -6.59	84.89 -3.82 -5.56	82.13 -3.84 -6.06	79.65 -3.51 -6.82	94.86 -4.00 -5.73	122.65 -4.26 -5.13	134.12 -6.66 -7.59	123.88 -6.50 -5.35	110.47 -6.24 -7.21	100.70 -5.68 -6.79	89.30 -5.48 -7.78	85.98 -5.67 -8.20	84.59 -5.48 -8.27	83.01 -5.47 -9.23	94.33 -5.12 -8.00	104.00 -5.53 -7.17	133.34 -7.10 -8.91	126.25 -6.41 -6.99	115.31 -6.39 -7.57	104.70 -6.37 -8.29	93.97 -6.50 -10.18	87.55 -5.90 -9.20	89.75 -4.06 -7.51
COFFEEN___115KV_TB3 355620	89.22 1.53 -2.48	84.23 1.37 -2.15	86.47 1.50 -1.82	83.32 1.44 -1.98	79.95 1.37 -2.23	97.15 2.14 -1.87	128.22 4.75 -1.67	141.40 5.73 -2.48	131.55 4.75 -1.77	115.72 3.83 -2.39	104.82 2.99 -2.25	91.75 2.17 -2.58	88.16 2.00 -2.71	86.58 2.04 -2.73	84.35 2.06 -3.05	97.76 3.66 -2.64	109.44 4.71 -2.37	140.79 6.31 -2.94	133.88 5.91 -2.31	121.32 4.68 -2.50	109.42 3.91 -2.74	96.68 3.07 -3.32	89.02 1.77 -3.00	90.21 1.47 -2.45
COLDSPRG_115KV_BK1 355956	90.15 -3.15 -8.10	84.36 -3.39 -7.04	85.52 -3.58 -5.94	83.18 -3.20 -6.47	80.35 -3.28 -7.28	95.72 -3.54 -6.13	124.83 -2.44 -5.48	137.17 -4.13 -8.11	126.54 -4.13 -5.64	112.93 -4.16 -7.60	102.86 -3.88 -7.16	91.28 -3.91 -8.20	87.84 -4.26 -8.65	86.34 -4.17 -8.72	84.70 -4.28 -9.73	96.23 -3.66 -8.43	105.92 -3.99 -7.56	135.80 -5.13 -9.39	128.51 -4.52 -7.36	117.32 -4.79 -7.98	106.48 -5.04 -8.74	95.67 -5.51 -10.88	88.78 -5.31 -9.83	91.13 -3.19 -8.03
COLONIE_LFGE___ 323577	146.90 4.51 -57.19	134.57 4.19 -49.66	129.25 4.16 -41.95	129.67 4.07 -45.70	131.73 3.97 -51.42	141.12 4.75 -43.24	167.13 6.69 -38.65	197.62 7.19 -57.24	172.81 6.87 -40.90	170.64 6.02 -55.13	156.86 5.37 -51.91	151.08 4.61 -59.47	150.55 4.42 -62.68	149.32 4.33 -63.19	154.00 4.20 -70.56	157.58 5.03 -61.09	162.94 5.83 -54.76	207.18 7.63 -68.02	186.15 7.16 -53.32	178.51 6.62 -57.75	171.69 5.65 -63.26	171.72 4.78 -76.64	157.89 4.38 -69.26	147.28 4.40 -56.58
COOPERNY_115KV_TB1 80082	124.06 4.17 -34.68	114.86 4.04 -30.12	112.75 4.16 -25.44	111.53 3.92 -27.71	111.35 3.82 -31.18	124.29 4.94 -26.22	151.32 6.09 -23.44	174.62 6.66 -34.77	156.18 6.25 -24.90	148.29 5.37 -33.43	136.04 4.98 -31.48	127.33 4.26 -36.06	125.63 4.01 -38.18	124.13 3.84 -38.49	125.76 3.72 -42.80	132.90 4.39 -37.05	140.70 4.91 -33.43	182.16 6.45 -44.18	167.12 6.16 -35.29	156.74 5.59 -37.01	146.37 5.04 -38.56	141.43 4.51 -46.61	130.59 4.21 -42.12	124.88 4.23 -34.35
COPENHAGEN_WT_PWR 323753	88.44 0.68 -2.56	83.50 0.57 -2.22	85.69 0.66 -1.87	82.66 0.72 -2.04	79.25 0.61 -2.30	96.19 1.12 -1.93	126.44 2.92 -1.73	139.48 3.72 -2.56	129.85 3.00 -1.82	114.36 2.41 -2.46	103.69 1.79 -2.31	90.87 1.22 -2.65	87.32 1.08 -2.79	85.76 1.14 -2.82	83.50 1.11 -3.15	96.56 2.37 -2.72	107.87 3.07 -2.44	138.78 4.21 -3.04	131.81 3.77 -2.38	119.57 2.85 -2.58	107.86 2.26 -2.82	95.52 1.81 -3.42	88.19 0.84 -3.09	89.43 0.61 -2.52
CORNELL_____ 23752	98.38 2.73 -10.45	92.29 2.50 -9.07	93.39 2.58 -7.66	90.73 2.48 -8.35	88.26 2.52 -9.39	104.20 3.17 -7.90	134.33 5.48 -7.06	149.64 5.99 -10.46	137.52 5.00 -7.49	123.53 3.94 -10.10	112.48 3.39 -9.51	100.59 2.70 -10.89	97.24 2.17 -11.63	95.89 2.37 -11.72	94.55 2.22 -13.09	105.90 3.11 -11.33	116.41 3.89 -10.16	150.35 6.18 -12.63	141.60 6.03 -9.90	129.89 5.02 -10.73	118.74 4.21 -11.75	107.83 3.34 -14.20	99.69 2.61 -12.83	99.62 2.85 -10.48

CORONA_69_KV_TB1 355595	143.64 8.86 -49.57	138.82 8.56 -49.56	127.00 8.65 -35.21	127.84 8.23 -39.71	138.94 8.02 -54.57	143.84 10.15 -40.56	164.44 11.81 -30.84	192.85 12.79 -46.87	171.65 12.00 -34.62	164.94 9.96 -45.48	153.31 9.86 -43.86	146.53 9.13 -50.39	145.46 8.76 -53.25	146.22 8.75 -55.67	145.88 8.16 -58.48	152.98 9.15 -52.38	160.66 10.44 -47.86	220.74 13.68 -75.52	202.68 12.94 -64.07	185.98 11.41 -60.43	166.67 10.48 -53.41	162.62 9.66 -62.66	150.74 9.10 -57.39	148.48 9.15 -53.03
CORTLAND_115KV_TB3 80093	95.59 1.96 -8.42	89.80 1.78 -7.32	91.16 1.83 -6.18	88.39 1.76 -6.73	85.68 1.76 -7.57	101.74 2.24 -6.37	131.38 3.90 -5.69	145.89 4.26 -8.43	134.69 3.63 -6.03	120.47 2.85 -8.13	109.73 2.49 -7.65	97.77 2.00 -8.77	94.33 1.59 -9.29	92.80 1.64 -9.37	91.29 1.58 -10.46	102.80 2.29 -9.06	113.24 2.76 -8.12	145.84 4.21 -10.10	137.60 4.02 -7.92	126.14 3.42 -8.57	114.94 2.78 -9.39	103.92 2.26 -11.36	96.21 1.69 -10.27	96.67 1.98 -8.39
COXSACKIE___GT 23611	145.47 6.56 -53.70	133.32 5.97 -46.64	128.94 6.40 -39.39	128.89 6.07 -42.92	130.66 6.03 -48.28	140.73 6.99 -40.61	169.53 11.45 -36.29	197.61 10.66 -53.75	173.20 9.76 -38.41	168.38 7.11 -51.77	154.71 6.38 -48.74	147.72 4.87 -55.85	146.90 4.59 -58.86	145.63 4.50 -59.34	150.34 4.83 -66.27	154.77 5.94 -57.37	161.33 7.78 -51.19	206.70 11.58 -63.59	186.33 10.81 -49.85	177.95 9.82 -53.99	170.45 8.53 -59.15	169.06 7.13 -71.63	155.06 6.07 -64.74	146.09 6.91 -52.88
CPV_VALLEY___CC1 323721	129.46 4.60 -39.66	119.59 4.44 -34.44	116.81 4.57 -29.09	115.90 4.31 -31.69	116.20 4.20 -35.66	128.61 5.49 -29.99	155.41 6.82 -26.80	180.16 7.19 -39.78	160.54 7.00 -28.51	153.75 6.02 -38.23	141.16 5.57 -36.00	133.03 4.78 -41.25	131.66 4.50 -43.70	130.20 4.33 -44.06	132.37 4.20 -48.94	138.76 4.94 -42.37	146.30 5.52 -38.42	190.17 7.23 -51.40	173.80 6.91 -41.23	163.24 6.16 -42.94	152.47 5.44 -44.25	148.73 4.96 -53.47	137.29 4.72 -48.32	130.43 4.74 -39.39
CPV_VALLEY___CC2 323722	129.46 4.60 -39.66	119.59 4.44 -34.44	116.81 4.57 -29.09	115.90 4.31 -31.69	116.20 4.20 -35.66	128.61 5.49 -29.99	155.41 6.82 -26.80	180.16 7.19 -39.78	160.54 7.00 -28.51	153.75 6.02 -38.23	141.16 5.57 -36.00	133.03 4.78 -41.25	131.66 4.50 -43.70	130.20 4.33 -44.06	132.37 4.20 -48.94	138.76 4.94 -42.37	146.30 5.52 -38.42	190.17 7.23 -51.40	173.80 6.91 -41.23	163.24 6.16 -42.94	152.47 5.44 -44.25	148.73 4.96 -53.47	137.29 4.72 -48.32	130.43 4.74 -39.39
CRESCENT___HYD 24018	146.90 4.51 -57.19	134.57 4.19 -49.66	129.25 4.16 -41.95	129.67 4.07 -45.70	131.73 3.97 -51.42	141.12 4.75 -43.24	167.13 6.69 -38.65	197.62 7.19 -57.24	172.81 6.87 -40.90	170.64 6.02 -55.13	156.86 5.37 -51.91	151.08 4.61 -59.47	150.55 4.42 -62.68	149.32 4.33 -63.19	154.00 4.20 -70.56	157.58 5.03 -61.09	162.94 5.83 -54.76	207.18 7.63 -68.02	186.15 7.16 -53.32	178.51 6.62 -57.75	171.69 5.65 -63.26	171.72 4.78 -76.64	157.89 4.38 -69.26	147.28 4.40 -56.58
CRICKET___VALLEY_CC1 323756	139.48 5.62 -48.66	128.37 5.41 -42.26	124.33 5.49 -35.69	124.06 5.27 -38.88	125.29 5.19 -43.75	136.54 6.61 -36.79	162.84 8.16 -32.88	190.68 8.79 -48.70	168.34 8.51 -34.80	163.95 7.55 -46.91	150.62 6.87 -44.17	143.60 6.00 -50.61	142.46 5.68 -53.33	141.13 5.57 -53.76	144.59 5.31 -60.04	149.66 6.22 -51.98	155.81 6.86 -46.59	198.23 8.81 -57.88	179.46 8.42 -45.37	170.93 7.65 -49.14	163.39 6.78 -53.83	161.46 5.96 -65.20	148.83 5.65 -58.93	140.04 5.61 -48.14
CRICKET___VALLEY_CC2 323757	139.48 5.62 -48.66	128.37 5.41 -42.26	124.33 5.49 -35.69	124.06 5.27 -38.88	125.29 5.19 -43.75	136.54 6.61 -36.79	162.84 8.16 -32.88	190.68 8.79 -48.70	168.34 8.51 -34.80	163.95 7.55 -46.91	150.62 6.87 -44.17	143.60 6.00 -50.61	142.46 5.68 -53.33	141.13 5.57 -53.76	144.59 5.31 -60.04	149.66 6.22 -51.98	155.81 6.86 -46.59	198.23 8.81 -57.88	179.46 8.42 -45.37	170.93 7.65 -49.14	163.39 6.78 -53.83	161.46 5.96 -65.20	148.83 5.65 -58.93	140.04 5.61 -48.14
CRICKET___VALLEY_CC3 323758	139.48 5.62 -48.66	128.37 5.41 -42.26	124.33 5.49 -35.69	124.06 5.27 -38.88	125.29 5.19 -43.75	136.54 6.61 -36.79	162.84 8.16 -32.88	190.68 8.79 -48.70	168.34 8.51 -34.80	163.95 7.55 -46.91	150.62 6.87 -44.17	143.60 6.00 -50.61	142.46 5.68 -53.33	141.13 5.57 -53.76	144.59 5.31 -60.04	149.66 6.22 -51.98	155.81 6.86 -46.59	198.23 8.81 -57.88	179.46 8.42 -45.37	170.93 7.65 -49.14	163.39 6.78 -53.83	161.46 5.96 -65.20	148.83 5.65 -58.93	140.04 5.61 -48.14
CRUCIBLE_METL_DRP 24180	90.29 0.34 -4.75	85.07 0.24 -4.12	86.80 0.17 -3.48	83.85 0.16 -3.79	80.77 0.15 -4.27	96.82 0.09 -3.59	125.85 0.85 -3.21	138.88 0.93 -4.75	129.18 0.75 -3.40	114.40 0.33 -4.58	104.09 0.20 -4.31	92.02 0.09 -4.94	88.45 -0.17 -5.17	86.93 -0.08 -5.21	84.99 -0.08 -5.82	96.68 0.18 -5.04	107.19 0.31 -4.52	138.21 1.05 -5.62	130.95 0.88 -4.41	119.48 0.57 -4.77	108.42 0.41 -5.23	96.81 0.18 -6.33	89.97 0.00 -5.72	91.23 0.26 -4.67
DAHOWA___HYDRO 323763	149.33 6.14 -57.99	136.72 5.65 -50.36	131.09 5.40 -42.54	131.36 5.12 -46.34	133.30 4.81 -52.14	142.57 5.59 -43.85	170.49 9.51 -39.19	201.36 10.12 -58.04	176.01 9.50 -41.48	173.29 7.89 -55.90	159.00 6.78 -52.64	153.23 5.92 -60.31	152.69 5.68 -63.56	151.44 5.57 -64.08	156.26 5.46 -71.56	160.00 6.59 -61.95	165.77 7.88 -55.53	211.42 10.91 -68.98	190.05 10.31 -54.07	182.07 9.36 -58.57	174.85 7.91 -64.16	174.69 6.68 -77.71	160.38 5.90 -70.23	149.36 5.69 -57.37
DANC___LFGE 323619	88.27 0.09 -2.98	83.29 0.00 -2.59	85.33 0.00 -2.18	82.36 0.08 -2.38	79.02 0.00 -2.68	95.48 0.09 -2.25	125.02 1.22 -2.01	137.90 1.73 -2.98	128.40 1.25 -2.12	113.34 0.98 -2.86	102.88 0.60 -2.70	90.35 0.26 -3.09	86.87 0.17 -3.25	85.33 0.25 -3.28	83.14 0.24 -3.66	95.73 1.10 -3.17	106.53 1.33 -2.85	137.17 2.10 -3.54	130.20 1.76 -2.77	118.28 1.14 -3.00	106.89 0.82 -3.29	94.92 0.64 -3.98	87.94 0.08 -3.60	89.15 -0.09 -2.94
DANSKAMMER___1 23586	141.20 8.69 -47.30	129.93 8.15 -41.08	126.41 8.57 -34.69	125.93 8.23 -37.80	126.81 7.94 -42.53	139.14 10.25 -35.76	167.52 13.76 -31.97	194.88 14.39 -47.30	172.29 13.51 -33.76	166.37 11.28 -45.60	153.18 10.66 -42.93	145.07 8.88 -49.19	143.43 8.26 -51.72	141.87 7.93 -52.14	145.53 7.92 -58.36	151.22 9.23 -50.53	155.84 9.41 -44.07	199.17 12.90 -54.74	180.52 11.94 -42.91	171.34 10.73 -46.48	163.35 9.66 -50.91	160.64 8.67 -61.67	147.90 7.92 -55.73	139.76 7.93 -45.53
DANSKAMMER___2 23589	141.20 8.69 -47.30	129.93 8.15 -41.08	126.41 8.57 -34.69	125.93 8.23 -37.80	126.81 7.94 -42.53	139.14 10.25 -35.76	167.52 13.76 -31.97	194.88 14.39 -47.30	172.29 13.51 -33.76	166.37 11.28 -45.60	153.18 10.66 -42.93	145.07 8.88 -49.19	143.43 8.26 -51.72	141.87 7.93 -52.14	145.53 7.92 -58.36	151.22 9.23 -50.53	155.84 9.41 -44.07	199.17 12.90 -54.74	180.52 11.94 -42.91	171.34 10.73 -46.48	163.35 9.66 -50.91	160.64 8.67 -61.67	147.90 7.92 -55.73	139.76 7.93 -45.53
DANSKAMMER___3 23590	141.20 8.69 -47.30	129.93 8.15 -41.08	126.41 8.57 -34.69	125.93 8.23 -37.80	126.81 7.94 -42.53	139.14 10.25 -35.76	167.52 13.76 -31.97	194.88 14.39 -47.30	172.29 13.51 -33.76	166.37 11.28 -45.60	153.18 10.66 -42.93	145.07 8.88 -49.19	143.43 8.26 -51.72	141.87 7.93 -52.14	145.53 7.92 -58.36	151.22 9.23 -50.53	155.84 9.41 -44.07	199.17 12.90 -54.74	180.52 11.94 -42.91	171.34 10.73 -46.48	163.35 9.66 -50.91	160.64 8.67 -61.67	147.90 7.92 -55.73	139.76 7.93 -45.53

DANSKAMMER___4 23591	141.20 8.69 -47.30	129.93 8.15 -41.08	126.41 8.57 -34.69	125.93 8.23 -37.80	126.81 7.94 -42.53	139.14 10.25 -35.76	167.52 13.76 -31.97	194.88 14.39 -47.30	172.29 13.51 -33.76	166.37 11.28 -45.60	153.18 10.66 -42.93	145.07 8.88 -49.19	143.43 8.26 -51.72	141.87 7.93 -52.14	145.53 7.92 -58.36	151.22 9.23 -50.53	155.84 9.41 -44.07	199.17 12.90 -54.74	180.52 11.94 -42.91	171.34 10.73 -46.48	163.35 9.66 -50.91	160.64 8.67 -61.67	147.90 7.92 -55.73	139.76 7.93 -45.53
DANSKAMMER___DIESEL 23592	141.11 8.61 -47.30	129.94 8.15 -41.08	126.41 8.56 -34.69	125.93 8.23 -37.80	126.81 7.94 -42.53	139.14 10.24 -35.76	167.40 13.64 -31.97	194.74 14.25 -47.30	172.16 13.38 -33.75	166.26 11.17 -45.59	153.07 10.56 -42.93	145.06 8.87 -49.19	143.43 8.26 -51.72	141.87 7.93 -52.14	145.53 7.92 -58.36	151.23 9.24 -50.53	157.09 9.42 -45.32	199.03 12.76 -54.74	180.52 11.94 -42.91	171.35 10.73 -46.48	163.35 9.66 -50.92	160.63 8.67 -61.67	147.90 7.92 -55.73	139.76 7.94 -45.53
DARBY___SOLAR 323810	148.96 5.87 -57.88	136.38 5.41 -50.27	130.85 5.24 -42.45	131.11 4.96 -46.25	133.04 4.66 -52.04	142.39 5.49 -43.76	169.79 8.89 -39.12	200.72 9.60 -57.93	175.44 9.01 -41.40	172.95 7.66 -55.80	158.69 6.57 -52.53	152.93 5.74 -60.19	152.39 5.51 -63.44	151.15 5.40 -63.95	155.97 5.31 -71.42	159.59 6.31 -61.83	165.35 7.57 -55.42	210.77 10.39 -68.84	189.44 9.81 -53.97	181.50 8.91 -58.45	174.31 7.50 -64.03	174.18 6.32 -77.56	159.99 5.65 -70.09	149.09 5.53 -57.26
DASHVILLE___HYD 23610	139.38 6.05 -48.12	128.31 5.81 -41.79	124.60 6.15 -35.30	124.19 5.83 -38.46	125.34 5.73 -43.27	137.16 7.64 -36.39	163.81 9.50 -32.52	191.35 9.99 -48.17	168.95 9.50 -34.42	163.77 7.88 -46.39	150.83 7.57 -43.68	143.39 6.35 -50.05	142.04 5.84 -52.75	140.54 5.56 -53.17	144.17 5.55 -59.38	149.27 6.40 -51.41	154.91 6.45 -46.10	196.58 8.68 -56.37	177.90 8.04 -44.19	169.30 7.30 -47.86	161.89 6.68 -52.43	159.94 6.14 -63.50	147.37 5.73 -57.39	138.79 5.61 -46.88
DEERFIELD_69_KV_DEERFIELD LD 355887	146.87 12.10 -49.57	141.89 11.62 -49.56	130.00 11.64 -35.21	130.71 11.11 -39.71	141.84 10.92 -54.57	147.29 13.60 -40.56	166.49 14.86 -29.84	191.35 15.58 -42.57	172.06 14.25 -32.78	164.68 11.61 -43.58	155.30 11.85 -43.86	148.96 11.57 -50.39	147.46 10.76 -53.25	148.51 11.04 -55.67	147.94 10.22 -58.48	154.90 11.07 -52.38	163.15 13.31 -47.49	223.76 16.70 -75.52	205.19 15.46 -64.07	184.50 13.24 -57.12	167.78 12.64 -52.36	165.87 12.91 -62.66	153.94 12.30 -57.39	151.76 12.43 -53.03
DELAWARE___LFGE 323621	109.36 4.09 -20.07	102.01 3.87 -17.43	102.03 4.16 -14.72	99.85 3.92 -16.04	98.13 3.74 -18.05	113.15 4.84 -15.18	142.30 6.94 -13.56	160.74 7.46 -20.09	146.27 6.88 -14.36	134.65 5.80 -19.35	122.98 5.18 -18.22	112.31 4.44 -20.88	109.56 4.09 -22.02	108.01 4.01 -22.20	107.84 3.80 -24.79	117.68 4.76 -21.46	126.93 5.32 -19.25	162.56 7.10 -23.93	151.21 6.79 -18.76	140.39 5.94 -20.32	130.38 5.34 -22.25	121.85 4.61 -26.95	112.65 4.04 -24.35	110.33 4.14 -19.89
DERFIELD_115KV_TB7 355931	86.57 1.36 0.00	82.00 1.29 0.00	84.48 1.33 0.00	81.18 1.28 0.00	77.57 1.22 0.00	94.72 1.58 0.00	123.98 2.19 0.00	135.59 2.40 0.00	127.28 2.25 0.00	111.36 1.86 0.00	101.28 1.69 0.00	88.48 1.48 0.00	84.78 1.34 0.00	83.11 1.31 0.00	80.51 1.27 0.00	93.10 1.65 0.00	104.20 1.84 0.00	133.90 2.37 0.00	127.93 2.26 0.00	116.08 1.94 0.00	104.42 1.64 0.00	91.74 1.44 0.00	85.52 1.26 0.00	87.59 1.29 0.00
DOGLEVILLE___HYD 23807	88.86 3.66 0.00	84.10 3.39 0.00	86.64 3.49 0.00	83.18 3.28 0.00	79.48 3.13 0.00	97.14 4.00 0.00	127.40 5.61 0.00	139.32 6.13 0.00	130.66 5.63 0.00	114.31 4.81 0.00	103.87 4.28 0.00	90.65 3.65 0.00	86.87 3.42 0.00	85.08 3.28 0.00	82.41 3.17 0.00	95.48 4.02 0.00	107.07 4.71 0.00	137.72 6.18 0.00	131.33 5.66 0.00	118.93 4.79 0.00	106.89 4.12 0.00	93.91 3.62 0.00	87.37 3.12 0.00	89.49 3.19 0.00
DUNKIRK___115KV_TB_200 55889	89.50 -3.32 -7.62	84.02 -3.31 -6.62	85.25 -3.49 -5.59	82.63 -3.36 -6.09	79.99 -3.21 -6.85	95.26 -3.63 -5.76	123.41 -3.53 -5.15	134.83 -5.99 -7.63	124.54 -5.88 -5.39	111.06 -5.69 -7.26	101.14 -5.28 -6.84	89.70 -5.13 -7.83	86.37 -5.34 -8.26	84.89 -5.24 -8.33	83.39 -5.15 -9.30	94.75 -4.76 -8.05	104.46 -5.12 -7.22	134.06 -6.45 -8.97	126.80 -5.91 -7.03	115.94 -5.82 -7.62	105.27 -5.86 -8.35	94.47 -6.05 -10.23	87.94 -5.56 -9.24	90.31 -3.54 -7.55
DUNKIRK___1 23563	89.50 -3.32 -7.62	84.02 -3.31 -6.62	85.25 -3.49 -5.59	82.63 -3.36 -6.09	79.99 -3.21 -6.85	95.26 -3.63 -5.76	123.41 -3.53 -5.15	134.83 -5.99 -7.63	124.54 -5.88 -5.39	111.06 -5.69 -7.26	101.14 -5.28 -6.84	89.70 -5.13 -7.83	86.37 -5.34 -8.26	84.89 -5.24 -8.33	83.39 -5.15 -9.30	94.75 -4.76 -8.05	104.46 -5.12 -7.22	134.06 -6.45 -8.97	126.80 -5.91 -7.03	115.94 -5.82 -7.62	105.27 -5.86 -8.35	94.47 -6.05 -10.23	87.94 -5.56 -9.24	90.31 -3.54 -7.55
DUNKIRK___2 23564	89.50 -3.32 -7.62	84.02 -3.31 -6.62	85.25 -3.49 -5.59	82.63 -3.36 -6.09	79.99 -3.21 -6.85	95.26 -3.63 -5.76	123.41 -3.53 -5.15	134.83 -5.99 -7.63	124.54 -5.88 -5.39	111.06 -5.69 -7.26	101.14 -5.28 -6.84	89.70 -5.13 -7.83	86.37 -5.34 -8.26	84.89 -5.24 -8.33	83.39 -5.15 -9.30	94.75 -4.76 -8.05	104.46 -5.12 -7.22	134.06 -6.45 -8.97	126.80 -5.91 -7.03	115.94 -5.82 -7.62	105.27 -5.86 -8.35	94.47 -6.05 -10.23	87.94 -5.56 -9.24	90.31 -3.54 -7.55
DUNKIRK___3 23565	89.27 -3.58 -7.64	83.79 -3.55 -6.64	85.01 -3.74 -5.60	82.33 -3.68 -6.11	79.78 -3.44 -6.87	95.00 -3.91 -5.78	122.94 -4.02 -5.16	134.18 -6.66 -7.65	123.94 -6.50 -5.42	110.55 -6.24 -7.30	100.78 -5.68 -6.87	89.39 -5.48 -7.87	86.08 -5.67 -8.30	84.61 -5.56 -8.37	83.04 -5.55 -9.35	94.34 -5.21 -8.09	103.98 -5.63 -7.26	133.58 -6.97 -9.02	126.46 -6.28 -7.07	115.75 -6.05 -7.66	105.10 -6.06 -8.39	94.32 -6.23 -10.26	87.79 -5.73 -9.27	89.98 -3.88 -7.57
DUNKIRK___4 23566	89.17 -3.49 -7.46	83.80 -3.39 -6.48	85.05 -3.58 -5.47	82.35 -3.52 -5.96	79.70 -3.36 -6.71	94.96 -3.82 -5.64	123.06 -3.78 -5.04	134.14 -6.53 -7.47	123.94 -6.38 -5.29	110.49 -6.13 -7.13	100.72 -5.58 -6.71	89.29 -5.39 -7.69	85.88 -5.67 -8.11	84.49 -5.48 -8.17	82.90 -5.47 -9.12	94.24 -5.12 -7.90	103.92 -5.53 -7.08	133.63 -6.71 -8.81	126.41 -6.16 -6.90	115.57 -6.05 -7.48	104.91 -6.06 -8.19	94.08 -6.23 -10.02	87.66 -5.65 -9.05	89.98 -3.71 -7.39
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	137.92 7.07 -45.65	127.21 6.86 -39.64	123.62 6.98 -33.48	123.01 6.63 -36.48	123.88 6.49 -41.04	135.85 8.20 -34.51	162.87 10.23 -30.85	191.71 11.32 -47.19	170.93 10.75 -35.14	162.81 9.31 -44.00	149.68 8.66 -41.43	142.04 7.57 -47.47	144.72 7.18 -54.10	143.46 7.03 -54.62	142.23 6.66 -56.33	147.91 7.68 -48.77	159.91 8.60 -48.95	270.44 11.18 -127.73	253.32 10.68 -116.97	219.36 9.59 -95.63	165.58 8.63 -54.17	161.44 7.77 -63.38	148.73 7.33 -57.14	138.85 7.34 -45.22
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	141.07 8.61 -47.26	129.82 8.07 -41.04	126.38 8.56 -34.66	125.82 8.15 -37.77	126.78 7.94 -42.49	139.11 10.24 -35.73	167.37 13.64 -31.94	194.61 14.12 -47.30	172.08 13.25 -33.80	166.11 11.06 -45.55	152.93 10.46 -42.89	144.84 8.70 -49.14	143.26 8.01 -51.80	141.71 7.69 -52.22	145.24 7.69 -58.31	151.00 9.05 -50.49	155.82 8.19 -45.28	196.18 11.05 -53.60	177.99 10.30 -42.01	169.01 9.36 -45.51	161.06 8.43 -49.85	158.26 7.58 -60.38	145.81 6.99 -54.57	137.86 6.99 -44.58

E179THST_138_KV_TB4_REV_LBMP_J 345001	138.61 7.75 -45.65	127.70 7.34 -39.65	124.37 7.73 -33.49	123.82 7.43 -36.48	124.42 7.02 -41.05	136.41 8.75 -34.52	163.13 10.47 -30.86	191.68 11.59 -46.90	170.68 11.00 -34.65	164.66 9.53 -45.64	152.44 8.96 -43.89	145.25 7.83 -50.42	144.16 7.43 -53.28	142.87 7.28 -53.79	144.64 6.89 -58.51	151.91 8.05 -52.41	159.46 9.21 -47.89	269.99 11.71 -126.75	252.96 11.31 -115.99	219.27 10.16 -94.97	165.37 9.15 -53.44	161.64 8.31 -63.04	148.79 7.75 -56.79	139.29 7.77 -45.23
E179THST_13_KV_LOAD 356214	139.04 8.18 -45.65	128.11 7.75 -39.65	124.70 8.07 -33.49	124.14 7.75 -36.48	124.72 7.33 -41.05	136.78 9.13 -34.52	163.74 11.08 -30.86	192.34 12.25 -46.90	171.31 11.63 -34.65	165.21 10.07 -45.64	152.93 9.46 -43.89	145.68 8.26 -50.42	144.58 7.84 -53.28	143.28 7.69 -53.79	145.04 7.29 -58.51	152.46 8.60 -52.41	159.97 9.72 -47.89	270.78 12.50 -126.75	253.59 11.94 -115.99	219.95 10.84 -94.97	165.98 9.76 -53.44	162.09 8.76 -63.04	149.21 8.17 -56.79	139.64 8.11 -45.23
EAST HAMPTON___GT 23717	148.67 13.89 -49.57	143.58 13.31 -49.56	131.41 13.06 -35.21	132.15 12.54 -39.71	143.29 12.37 -54.57	149.33 15.64 -40.56	171.11 19.48 -29.84	196.68 20.91 -42.57	177.19 19.38 -32.78	168.85 15.77 -43.58	158.19 14.74 -43.86	150.79 13.39 -50.40	149.46 12.77 -53.25	149.74 12.27 -55.67	149.76 12.04 -58.48	157.91 14.08 -52.38	166.05 16.17 -47.52	228.10 21.04 -75.52	209.97 20.24 -64.07	188.72 17.46 -57.12	170.65 15.52 -52.36	166.31 13.36 -62.66	154.37 12.72 -57.39	152.19 12.86 -53.03
EAST RIVER___6 23660	138.26 7.41 -45.65	127.53 7.18 -39.64	123.95 7.32 -33.48	123.33 6.95 -36.48	124.11 6.72 -41.04	136.31 8.66 -34.52	163.85 11.20 -30.86	207.62 12.25 -62.18	196.91 11.88 -59.99	196.02 10.29 -76.24	198.72 9.36 -89.77	200.64 8.09 -105.55	185.74 7.76 -94.53	185.61 7.52 -96.29	185.79 7.29 -99.26	220.40 8.51 -120.43	212.55 9.41 -100.79	268.20 12.36 -124.31	250.99 11.81 -113.51	217.96 10.49 -93.32	201.77 9.14 -89.84	177.92 8.22 -79.40	166.95 7.75 -74.95	139.26 7.68 -45.28
EAST RIVER___7 23524	138.26 7.41 -45.65	127.53 7.18 -39.64	123.95 7.32 -33.48	123.33 6.95 -36.48	124.11 6.72 -41.04	136.31 8.66 -34.52	163.85 11.20 -30.86	207.62 12.25 -62.18	196.91 11.88 -59.99	196.02 10.29 -76.24	198.72 9.36 -89.77	200.64 8.09 -105.55	185.74 7.76 -94.53	185.61 7.52 -96.29	185.79 7.29 -99.26	220.40 8.51 -120.43	212.55 9.41 -100.79	268.20 12.36 -124.31	250.99 11.81 -113.51	217.96 10.49 -93.32	201.77 9.14 -89.84	177.92 8.22 -79.40	166.95 7.75 -74.95	139.26 7.68 -45.28
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	137.52 6.82 -45.50	126.84 6.62 -39.51	123.26 6.74 -33.37	122.65 6.39 -36.36	123.51 6.26 -40.91	135.54 8.01 -34.40	162.40 9.87 -30.75	190.72 10.92 -46.61	169.72 10.38 -34.31	163.68 8.87 -45.31	151.43 8.37 -43.48	144.15 7.22 -49.94	143.04 6.84 -52.75	141.75 6.71 -53.24	143.74 6.42 -58.08	150.71 7.41 -51.84	157.93 8.29 -47.28	215.41 10.79 -73.09	197.61 10.30 -61.64	182.14 9.25 -58.76	164.06 8.33 -52.96	160.13 7.49 -62.34	147.78 7.08 -56.45	138.45 7.08 -45.08
EAST_HAMPTON___DIESEL 23722	148.67 13.89 -49.57	143.58 13.31 -49.56	131.41 13.06 -35.21	132.15 12.54 -39.71	143.29 12.37 -54.57	149.33 15.64 -40.56	171.00 19.37 -29.84	196.68 20.91 -42.57	177.06 19.25 -32.78	168.85 15.77 -43.58	158.19 14.74 -43.86	150.79 13.39 -50.40	149.46 12.77 -53.25	149.66 12.19 -55.67	149.76 12.04 -58.48	157.83 13.99 -52.38	166.05 16.17 -47.52	227.97 20.92 -75.52	209.97 20.24 -64.07	188.60 17.34 -57.12	170.55 15.41 -52.36	166.23 13.28 -62.66	154.37 12.72 -57.39	152.19 12.86 -53.03
EAST_PULASKI___ESR 323781	88.16 -0.43 -3.38	83.16 -0.48 -2.93	85.13 -0.50 -2.48	82.12 -0.48 -2.70	78.93 -0.46 -3.04	95.04 -0.65 -2.55	124.07 0.00 -2.28	136.71 0.13 -3.38	127.32 -0.13 -2.42	112.53 -0.22 -3.26	102.25 -0.40 -3.07	90.08 -0.43 -3.51	86.56 -0.58 -3.69	85.03 -0.49 -3.72	82.92 -0.48 -4.16	95.06 0.00 -3.60	105.59 0.00 -3.23	135.94 0.39 -4.01	129.06 0.25 -3.15	117.54 0.00 -3.41	106.20 -0.31 -3.73	94.55 -0.27 -4.52	87.75 -0.59 -4.08	89.12 -0.52 -3.34
EAST_RIVER___1 323558	138.43 7.58 -45.65	127.77 7.42 -39.64	124.12 7.49 -33.48	123.49 7.11 -36.48	124.34 6.95 -41.04	136.50 8.85 -34.52	163.98 11.33 -30.86	207.76 12.39 -62.18	196.91 11.88 -59.99	195.92 10.18 -76.24	198.72 9.36 -89.77	200.64 8.09 -105.55	185.74 7.76 -94.53	185.61 7.52 -96.29	185.71 7.21 -99.26	220.30 8.41 -120.43	212.46 9.31 -100.79	268.08 12.23 -124.31	250.87 11.69 -113.51	217.85 10.39 -93.32	201.88 9.25 -89.84	178.00 8.30 -79.40	167.04 7.84 -74.95	139.43 7.85 -45.28
EAST_RIVER___2 323559	138.26 7.41 -45.65	127.53 7.18 -39.64	123.95 7.32 -33.48	123.33 6.95 -36.48	124.11 6.72 -41.04	136.31 8.66 -34.52	163.85 11.20 -30.86	207.62 12.25 -62.18	196.91 11.88 -59.99	196.02 10.29 -76.24	198.72 9.36 -89.77	200.64 8.09 -105.55	185.74 7.76 -94.53	185.61 7.52 -96.29	185.79 7.29 -99.26	220.40 8.51 -120.43	212.55 9.41 -100.79	268.20 12.36 -124.31	250.99 11.81 -113.51	217.96 10.49 -93.32	201.77 9.14 -89.84	177.92 8.22 -79.40	166.95 7.75 -74.95	139.26 7.68 -45.28
EAST___DELAWARE_HYD 23607	135.54 8.26 -42.08	125.08 7.83 -36.54	122.25 8.23 -30.86	121.44 7.91 -33.62	121.89 7.71 -37.83	135.01 10.06 -31.81	163.74 13.52 -28.44	189.16 13.85 -42.11	165.75 10.62 -30.10	158.60 8.55 -40.56	145.84 8.06 -38.19	137.37 6.61 -43.76	133.33 3.76 -46.12	131.73 3.43 -46.49	134.73 3.57 -51.92	140.80 4.39 -44.95	146.68 4.61 -39.71	187.56 6.70 -49.32	170.49 6.16 -38.67	161.39 5.37 -41.88	156.37 7.71 -45.88	152.82 6.95 -55.57	140.80 6.32 -50.22	133.54 6.22 -41.03
EIGHT_POINT___WT_PWR 323820	94.74 0.00 -9.53	88.99 0.00 -8.28	89.98 -0.17 -6.99	87.28 -0.24 -7.62	84.84 -0.08 -8.57	100.62 0.28 -7.21	129.94 1.70 -6.44	142.34 -0.40 -9.54	131.00 -1.13 -7.09	117.42 -1.64 -9.56	106.90 -1.69 -9.00	95.32 -2.00 -10.32	91.90 -2.42 -10.87	90.63 -2.13 -10.96	89.34 -2.14 -12.24	100.50 -1.56 -10.60	110.23 -1.64 -9.51	143.57 0.66 -11.37	134.71 0.13 -8.92	123.34 -0.45 -9.66	112.33 -1.03 -10.58	101.57 -1.54 -12.81	94.15 -1.68 -11.58	95.06 -0.69 -9.46
ELBRIDGE_115KV_TB2 80188	90.08 -0.17 -5.04	84.85 -0.24 -4.38	86.60 -0.25 -3.70	83.69 -0.24 -4.03	80.73 -0.15 -4.54	96.67 -0.28 -3.81	125.57 0.37 -3.41	138.51 0.27 -5.05	128.64 0.00 -3.61	114.14 -0.22 -4.87	103.87 -0.30 -4.58	91.90 -0.35 -5.25	88.35 -0.58 -5.49	86.84 -0.49 -5.53	84.95 -0.48 -6.18	96.53 -0.27 -5.35	106.85 -0.31 -4.80	137.76 0.26 -5.96	130.60 0.25 -4.68	119.20 0.00 -5.06	108.12 -0.21 -5.55	96.65 -0.36 -6.72	89.82 -0.51 -6.07	91.00 -0.26 -4.96
ELEC_TRO_TEK 24086	143.12 8.35 -49.57	138.34 8.07 -49.56	126.59 8.23 -35.21	127.44 7.83 -39.71	138.48 7.56 -54.57	143.28 9.59 -40.56	163.59 10.96 -30.84	191.91 11.85 -46.86	170.90 11.25 -34.62	164.17 9.31 -45.37	152.61 9.16 -43.86	145.92 8.53 -50.39	144.87 8.18 -53.25	145.65 8.18 -55.67	145.33 7.61 -58.48	152.25 8.41 -52.38	159.94 9.72 -47.86	219.69 12.63 -75.52	201.68 11.94 -64.07	185.06 10.50 -60.43	165.85 9.66 -53.41	161.89 8.94 -62.66	150.24 8.59 -57.39	147.96 8.63 -53.03
ELLENBURG_WT_PWR 323604	83.58 -1.62 0.00	79.34 -1.37 0.00	81.66 -1.49 0.00	78.62 -1.28 0.00	75.05 -1.30 0.00	91.74 -1.39 0.00	118.75 -3.04 0.00	130.00 -3.20 0.00	121.78 -3.25 0.00	107.63 -1.86 0.00	97.80 -1.79 0.00	85.43 -1.56 0.00	82.20 -1.25 0.00	80.49 -1.31 0.00	78.05 -1.19 0.00	89.36 -2.10 0.00	100.72 -1.64 0.00	127.85 -3.68 0.00	122.65 -3.02 0.00	112.43 -1.71 0.00	101.44 -1.34 0.00	88.85 -1.45 0.00	83.07 -1.18 0.00	85.52 -0.78 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	88.37 -4.00 -7.17	83.06 -3.87 -6.23	84.33 -4.07 -5.26	81.63 -4.00 -5.73	79.05 -3.74 -6.44	94.27 -4.28 -5.42	121.89 -4.75 -4.84	132.38 -7.99 -7.17	122.37 -7.75 -5.09	109.02 -7.34 -6.86	99.38 -6.67 -6.46	88.05 -6.35 -7.40	84.83 -6.43 -7.81	83.37 -6.30 -7.87	81.77 -6.26 -8.79	93.03 -6.04 -7.61	102.63 -6.55 -6.82	131.99 -8.02 -8.48	125.03 -7.29 -6.65	114.15 -7.19 -7.20	103.68 -6.99 -7.89	92.87 -7.04 -9.62	86.71 -6.23 -8.69	89.00 -4.40 -7.10
EMPIRE_CC_1 323656	143.69 4.01 -54.48	131.82 3.79 -47.32	126.86 3.75 -39.96	127.12 3.68 -43.54	128.92 3.59 -48.99	138.71 4.38 -41.19	164.22 5.61 -36.82	193.72 6.00 -54.53	169.75 5.75 -38.97	167.16 5.15 -52.52	153.72 4.68 -49.45	147.75 4.09 -56.66	147.01 3.84 -59.72	145.76 3.76 -60.20	150.12 3.65 -67.23	153.96 4.30 -58.20	159.44 4.91 -52.17	202.52 6.18 -64.80	182.37 5.91 -50.80	174.64 5.48 -55.02	167.88 4.83 -60.27	167.38 4.07 -73.01	154.03 3.79 -65.98	144.09 3.89 -53.90
EMPIRE_CC_2 323658	143.69 4.01 -54.48	131.82 3.79 -47.32	126.86 3.75 -39.96	127.12 3.68 -43.54	128.92 3.59 -48.99	138.71 4.38 -41.19	164.22 5.61 -36.82	193.72 6.00 -54.53	169.75 5.75 -38.97	167.16 5.15 -52.52	153.72 4.68 -49.45	147.75 4.09 -56.66	147.01 3.84 -59.72	145.76 3.76 -60.20	150.12 3.65 -67.23	153.96 4.30 -58.20	159.44 4.91 -52.17	202.52 6.18 -64.80	182.37 5.91 -50.80	174.64 5.48 -55.02	167.88 4.83 -60.27	167.38 4.07 -73.01	154.03 3.79 -65.98	144.09 3.89 -53.90
ENORWICH_115KV_TB1 80156	108.37 8.78 -14.39	101.28 8.07 -12.50	102.10 8.40 -10.56	99.71 8.31 -11.50	97.46 8.17 -12.94	115.01 10.99 -10.88	148.45 16.93 -9.73	166.64 19.05 -14.40	151.59 16.25 -10.30	136.41 13.03 -13.88	124.21 11.55 -13.07	111.63 9.66 -14.98	107.91 8.60 -15.87	106.71 8.92 -15.99	105.50 8.40 -17.86	117.99 11.07 -15.46	129.43 13.20 -13.87	166.93 18.15 -17.24	156.65 17.47 -13.51	143.50 14.72 -14.64	131.35 12.54 -16.03	120.26 10.56 -19.40	110.38 8.59 -17.53	109.60 8.97 -14.32
ERIE_ST__34_KV_TB1-2 80199	88.18 -4.43 -7.40	82.86 -4.28 -6.43	84.17 -4.41 -5.43	81.42 -4.39 -5.92	78.88 -4.12 -6.66	93.98 -4.75 -5.60	121.68 -5.12 -5.00	132.75 -7.86 -7.41	122.77 -7.50 -5.25	109.45 -7.12 -7.07	99.77 -6.47 -6.66	88.45 -6.18 -7.63	85.15 -6.34 -8.04	83.77 -6.14 -8.11	82.19 -6.10 -9.05	93.35 -5.94 -7.84	102.94 -6.45 -7.03	132.51 -7.76 -8.74	125.48 -7.04 -6.85	114.60 -6.96 -7.42	104.02 -6.89 -8.13	93.28 -6.95 -9.94	86.83 -6.40 -8.98	88.97 -4.66 -7.34
ERIE_WT_PWR 323693	88.78 -3.75 -7.32	83.44 -3.63 -6.36	84.78 -3.74 -5.37	82.00 -3.75 -5.85	79.27 -3.66 -6.58	94.67 -4.00 -5.54	121.99 -4.75 -4.95	133.20 -7.33 -7.33	122.97 -7.25 -5.20	109.71 -6.79 -7.00	100.00 -6.17 -6.59	88.63 -5.92 -7.55	85.32 -6.09 -7.96	84.02 -5.81 -8.03	82.34 -5.86 -8.96	93.55 -5.67 -7.76	102.77 -6.55 -6.96	132.37 -7.89 -8.72	124.59 -7.91 -6.84	114.01 -7.54 -7.41	103.60 -7.29 -8.11	93.17 -6.95 -9.83	87.15 -5.98 -8.88	89.24 -4.31 -7.25
ESPRGFLD_115KV_TB1 80157	90.33 4.35 -0.78	85.50 4.12 -0.68	88.05 4.32 -0.57	84.68 4.15 -0.62	81.02 3.97 -0.70	99.13 5.40 -0.59	131.33 9.01 -0.53	143.83 9.86 -0.78	134.47 8.88 -0.56	117.47 7.23 -0.75	106.77 6.47 -0.71	93.20 5.39 -0.81	89.40 5.09 -0.86	87.66 4.99 -0.87	85.05 4.83 -0.97	98.52 6.22 -0.84	110.28 7.17 -0.76	142.59 10.13 -0.93	135.95 9.55 -0.73	123.14 8.22 -0.79	110.73 7.09 -0.86	97.47 6.14 -1.04	90.25 5.06 -0.94	91.98 4.92 -0.77
ETNA_115_KV_TB1_REV_LBMP_C 345029	98.24 2.64 -10.40	92.16 2.42 -9.03	93.27 2.49 -7.62	90.60 2.40 -8.31	88.14 2.44 -9.35	104.07 3.07 -7.86	134.05 5.24 -7.03	149.33 5.73 -10.40	137.23 4.75 -7.45	123.26 3.72 -10.04	112.33 3.29 -9.45	100.35 2.52 -10.83	97.11 2.09 -11.57	95.68 2.21 -11.67	94.33 2.06 -13.03	105.76 3.02 -11.28	116.16 3.68 -10.12	150.03 5.92 -12.58	141.18 5.66 -9.86	129.61 4.79 -10.68	118.48 4.01 -11.70	107.59 3.16 -14.14	99.47 2.44 -12.78	99.49 2.76 -10.44
ETNA____115KV_TB2 80207	98.24 2.64 -10.40	92.16 2.42 -9.03	93.27 2.49 -7.62	90.60 2.40 -8.31	88.14 2.44 -9.35	104.07 3.07 -7.86	134.05 5.24 -7.03	149.33 5.73 -10.40	137.23 4.75 -7.45	123.26 3.72 -10.04	112.33 3.29 -9.45	100.35 2.52 -10.83	97.11 2.09 -11.57	95.68 2.21 -11.67	94.33 2.06 -13.03	105.76 3.02 -11.28	116.16 3.68 -10.12	150.03 5.92 -12.58	141.18 5.66 -9.86	129.61 4.79 -10.68	118.48 4.01 -11.70	107.59 3.16 -14.14	99.47 2.44 -12.78	99.49 2.76 -10.44
EUCLID__115KV_TB2 356179	88.37 -0.77 -3.94	83.40 -0.73 -3.42	85.21 -0.83 -2.89	82.25 -0.80 -3.15	79.12 -0.76 -3.54	95.00 -1.12 -2.98	123.60 -0.85 -2.66	136.07 -1.07 -3.94	126.72 -1.13 -2.82	112.09 -1.20 -3.80	102.06 -1.10 -3.57	90.05 -1.04 -4.10	86.59 -1.17 -4.30	84.99 -1.15 -4.34	83.06 -1.03 -4.85	94.65 -1.01 -4.20	104.99 -1.13 -3.76	135.29 -0.92 -4.68	128.33 -1.01 -3.67	117.08 -1.03 -3.97	106.00 -1.13 -4.35	94.48 -1.08 -5.27	87.92 -1.10 -4.76	89.32 -0.86 -3.89
E_CANADA_CAP_HY 24051	156.62 4.43 -66.99	143.08 4.19 -58.17	136.60 4.32 -49.13	137.50 4.07 -53.53	140.47 3.89 -60.23	148.81 5.03 -50.65	176.44 9.38 -45.27	210.36 10.12 -67.05	181.95 9.01 -47.91	181.18 7.11 -64.58	166.67 6.28 -60.80	161.97 5.31 -69.67	162.13 5.26 -73.42	160.89 5.07 -74.02	166.98 5.08 -82.66	169.51 6.49 -71.56	173.89 7.37 -64.16	222.02 10.79 -79.70	198.20 10.06 -62.47	190.48 8.67 -67.67	184.10 7.19 -74.13	186.58 6.51 -89.78	170.79 5.40 -81.13	157.67 5.09 -66.28
E_CANADA_MHWK_HY 24050	88.86 3.66 0.00	84.10 3.39 0.00	86.64 3.49 0.00	83.18 3.28 0.00	79.48 3.13 0.00	97.14 4.00 0.00	127.40 5.61 0.00	139.32 6.13 0.00	130.66 5.63 0.00	114.31 4.81 0.00	103.87 4.28 0.00	90.65 3.65 0.00	86.87 3.42 0.00	85.08 3.28 0.00	82.41 3.17 0.00	95.48 4.02 0.00	107.07 4.71 0.00	137.72 6.18 0.00	131.33 5.66 0.00	118.93 4.79 0.00	106.89 4.12 0.00	93.91 3.62 0.00	87.37 3.12 0.00	89.49 3.19 0.00
E_FISHKILL__LBMP 23776	138.19 5.88 -47.11	127.35 5.73 -40.91	123.53 5.82 -34.56	123.14 5.59 -37.65	124.13 5.42 -42.36	135.65 6.89 -35.62	162.03 8.40 -31.84	189.44 9.19 -47.06	167.44 8.88 -33.54	162.57 7.66 -45.41	149.52 7.17 -42.76	142.26 6.26 -48.99	140.75 5.92 -51.38	139.40 5.81 -51.79	142.92 5.55 -58.13	148.19 6.40 -50.33	154.23 7.06 -44.81	191.99 9.08 -51.38	173.55 8.67 -39.21	166.45 7.88 -44.44	161.66 6.99 -51.89	159.61 6.32 -63.00	147.26 6.07 -56.94	138.95 6.04 -46.61
FALCON__SEABRD_CC1 323796	84.27 -0.94 0.00	79.90 -0.81 0.00	82.32 -0.83 0.00	79.26 -0.64 0.00	75.66 -0.69 0.00	92.49 -0.65 0.00	119.60 -2.19 0.00	130.93 -2.27 0.00	122.53 -2.50 0.00	108.73 -0.76 0.00	98.69 -0.90 0.00	86.21 -0.78 0.00	82.95 -0.50 0.00	81.23 -0.57 0.00	78.85 -0.39 0.00	90.18 -1.28 0.00	101.75 -0.61 0.00	128.91 -2.63 0.00	123.65 -2.02 0.00	113.68 -0.45 0.00	102.47 -0.31 0.00	89.67 -0.63 0.00	83.83 -0.42 0.00	86.90 0.61 0.00
FALCON__SEABRD_CC2 323797	84.27 -0.94 0.00	79.90 -0.81 0.00	82.32 -0.83 0.00	79.26 -0.64 0.00	75.66 -0.69 0.00	92.49 -0.65 0.00	119.60 -2.19 0.00	130.93 -2.27 0.00	122.53 -2.50 0.00	108.73 -0.76 0.00	98.69 -0.90 0.00	86.21 -0.78 0.00	82.95 -0.50 0.00	81.23 -0.57 0.00	78.85 -0.39 0.00	90.18 -1.28 0.00	101.75 -0.61 0.00	128.91 -2.63 0.00	123.65 -2.02 0.00	113.68 -0.45 0.00	102.47 -0.31 0.00	89.67 -0.63 0.00	83.83 -0.42 0.00	86.90 0.61 0.00

FAR ROCKAWAY___4 23548	144.40 9.63 -49.57	139.47 9.20 -49.56	127.75 9.40 -35.21	128.55 8.95 -39.71	139.62 8.70 -54.57	144.68 10.99 -40.56	165.78 13.15 -30.84	194.18 14.12 -46.87	172.90 13.25 -34.62	165.93 10.95 -45.49	154.20 10.76 -43.86	147.31 9.92 -50.39	146.13 9.43 -53.25	146.96 9.49 -55.67	146.59 8.87 -58.48	153.80 9.97 -52.38	161.78 11.57 -47.86	222.19 15.13 -75.52	204.06 14.33 -64.07	187.35 12.78 -60.43	167.80 11.61 -53.41	163.52 10.56 -62.66	151.59 9.94 -57.39	149.34 10.01 -53.03
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	138.52 7.67 -45.65	127.78 7.43 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.59 8.94 -34.52	163.73 11.08 -30.86	208.52 12.39 -62.94	198.03 11.75 -61.25	197.32 10.07 -77.75	201.00 9.36 -92.05	203.46 8.18 -108.29	187.79 7.76 -96.58	187.81 7.61 -98.40	187.82 7.29 -101.28	223.69 8.41 -123.81	215.05 9.31 -103.38	270.37 12.10 -126.73	253.20 11.56 -115.97	219.60 10.50 -94.96	203.89 9.46 -91.65	178.93 8.40 -80.24	168.12 8.00 -75.86	139.52 7.94 -45.29
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	138.52 7.67 -45.65	127.86 7.51 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.59 8.94 -34.52	163.73 11.08 -30.86	208.52 12.39 -62.94	198.03 11.75 -61.25	197.32 10.07 -77.75	201.00 9.36 -92.05	203.46 8.18 -108.29	187.79 7.76 -96.58	187.81 7.61 -98.40	187.82 7.29 -101.28	223.69 8.41 -123.81	215.05 9.31 -103.38	270.50 12.23 -126.73	253.32 11.69 -115.97	219.60 10.50 -94.96	203.89 9.46 -91.65	178.93 8.40 -80.24	168.12 8.00 -75.86	139.61 8.03 -45.29
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	138.43 7.58 -45.65	127.78 7.43 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.34 6.95 -41.04	136.50 8.85 -34.52	163.73 11.08 -30.86	208.39 12.25 -62.94	197.91 11.63 -61.25	197.32 10.07 -77.75	201.00 9.36 -92.05	203.46 8.18 -108.29	187.79 7.76 -96.58	187.81 7.61 -98.40	187.74 7.21 -101.28	223.59 8.32 -123.81	215.05 9.31 -103.38	270.37 12.10 -126.73	253.20 11.56 -115.97	219.48 10.39 -94.96	203.79 9.35 -91.65	178.84 8.31 -80.24	168.03 7.92 -75.86	139.52 7.94 -45.29
FARRAGUT___LBMP 323566	138.43 7.58 -45.65	127.70 7.34 -39.64	124.12 7.48 -33.48	123.49 7.11 -36.48	124.34 6.95 -41.04	136.50 8.85 -34.52	163.61 10.96 -30.86	208.25 12.12 -62.94	197.78 11.50 -61.25	197.21 9.96 -77.75	200.90 9.26 -92.05	203.29 8.00 -108.29	187.71 7.68 -96.58	187.73 7.53 -98.40	187.66 7.13 -101.28	223.50 8.23 -123.81	214.95 9.21 -103.38	270.24 11.97 -126.73	253.07 11.44 -115.97	219.37 10.27 -94.96	203.68 9.25 -91.65	178.84 8.31 -80.24	167.95 7.84 -75.86	139.44 7.85 -45.29
FENNER___WINDPWR 24204	93.75 2.90 -5.65	88.28 2.66 -4.91	90.04 2.74 -4.15	87.05 2.63 -4.52	84.03 2.60 -5.08	100.95 3.54 -4.27	131.22 5.61 -3.82	144.98 6.13 -5.66	134.59 5.50 -4.06	119.57 4.60 -5.48	108.83 4.08 -5.16	96.21 3.31 -5.91	92.67 3.00 -6.23	91.02 2.94 -6.28	89.02 2.77 -7.01	101.28 3.75 -6.07	112.10 4.30 -5.45	144.22 5.92 -6.76	136.24 5.28 -5.30	124.32 4.45 -5.74	112.87 3.81 -6.29	101.16 3.25 -7.61	93.75 2.61 -6.88	94.68 2.76 -5.62
FIBERTEK___ENERGY 23856	90.29 0.34 -4.75	85.07 0.24 -4.12	86.80 0.17 -3.48	83.85 0.16 -3.79	80.77 0.15 -4.27	96.82 0.09 -3.59	125.85 0.85 -3.21	138.88 0.93 -4.75	129.18 0.75 -3.40	114.40 0.33 -4.58	104.09 0.20 -4.31	92.02 0.09 -4.94	88.45 -0.17 -5.17	86.93 -0.08 -5.21	84.99 -0.08 -5.82	96.68 0.18 -5.04	107.19 0.31 -4.52	138.21 1.05 -5.62	130.95 0.88 -4.41	119.48 0.57 -4.77	108.42 0.41 -5.23	96.81 0.18 -6.33	89.97 0.00 -5.72	91.23 0.26 -4.67
FITZPATRICK___ 23598	85.73 -2.22 -2.74	80.99 -2.10 -2.38	83.00 -2.16 -2.01	80.01 -2.08 -2.19	76.83 -1.99 -2.46	92.70 -2.51 -2.07	120.48 -3.17 -1.85	132.61 -3.32 -2.74	123.62 -3.37 -1.96	109.07 -3.07 -2.64	99.28 -2.79 -2.48	87.32 -2.53 -2.84	83.95 -2.50 -3.00	82.37 -2.45 -3.02	80.24 -2.38 -3.38	91.82 -2.56 -2.92	102.01 -2.97 -2.62	131.37 -3.42 -3.26	124.84 -3.39 -2.55	113.71 -3.20 -2.77	102.83 -2.98 -3.03	91.35 -2.62 -3.67	85.05 -2.53 -3.32	86.68 -2.33 -2.71
FLOWRFLD_69_KV_BK1 356044	144.57 9.80 -49.57	139.71 9.44 -49.56	128.00 9.65 -35.21	128.79 9.19 -39.71	139.85 8.93 -54.57	144.87 11.18 -40.56	161.41 10.47 -29.14	183.42 10.66 -39.57	166.28 9.75 -31.50	160.49 8.10 -42.89	152.41 8.96 -43.86	146.70 9.31 -50.39	145.79 9.10 -53.25	146.71 9.24 -55.67	146.12 8.40 -58.48	152.43 8.60 -52.38	159.51 9.93 -47.23	219.55 12.50 -75.52	201.30 11.56 -64.07	178.75 9.82 -54.80	163.86 9.46 -51.62	162.61 9.66 -62.66	151.42 9.77 -57.39	149.34 10.01 -53.03
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	141.09 8.61 -47.28	129.92 8.15 -41.06	126.40 8.56 -34.68	125.92 8.23 -37.79	126.80 7.94 -42.51	139.13 10.24 -35.75	167.26 13.52 -31.95	194.72 14.25 -47.28	172.15 13.38 -33.74	166.24 11.17 -45.58	153.06 10.56 -42.91	145.04 8.87 -49.17	143.41 8.26 -51.70	141.93 8.02 -52.11	145.51 7.92 -58.34	151.21 9.24 -50.51	157.18 9.52 -45.30	199.45 13.02 -54.89	180.89 12.19 -43.03	171.70 10.96 -46.61	163.70 9.87 -51.06	160.98 8.85 -61.84	148.23 8.09 -55.88	139.98 8.03 -45.65
FORT ORANGE___ 23900	145.09 3.74 -56.14	133.01 3.55 -48.75	127.90 3.57 -41.18	128.20 3.43 -44.86	130.18 3.36 -50.47	139.12 3.54 -42.45	164.97 5.23 -37.94	193.77 4.39 -56.19	169.18 4.00 -40.15	166.89 3.28 -54.12	153.52 2.98 -50.95	147.91 2.52 -58.38	147.31 2.33 -61.53	146.20 2.37 -62.03	150.89 2.38 -69.27	154.36 2.93 -59.97	159.45 3.37 -53.72	202.87 4.60 -66.73	182.38 4.40 -52.31	174.79 3.99 -56.66	168.44 3.60 -62.07	168.45 2.98 -75.17	154.97 2.78 -67.94	145.68 3.89 -55.50
FORT_DRUM_COGEN 23780	88.44 0.85 -2.39	83.43 0.65 -2.08	85.74 0.83 -1.75	82.61 0.80 -1.91	79.26 0.76 -2.15	96.25 1.30 -1.81	126.82 3.41 -1.61	139.71 4.13 -2.39	130.11 3.38 -1.71	114.54 2.74 -2.30	103.85 2.09 -2.17	90.87 1.39 -2.48	87.31 1.25 -2.61	85.82 1.39 -2.63	83.53 1.35 -2.94	96.66 2.65 -2.55	108.12 3.48 -2.28	139.11 4.74 -2.84	132.17 4.27 -2.23	119.86 3.31 -2.41	108.09 2.67 -2.64	95.57 2.08 -3.20	88.16 1.01 -2.89	89.35 0.69 -2.36
FOX_HILLS___ESR 323835	138.95 8.09 -45.65	128.11 7.75 -39.65	124.54 7.90 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.60 8.94 -34.52	163.86 11.20 -30.86	212.20 12.39 -66.62	204.13 11.75 -67.35	204.78 10.18 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.22 8.60 -140.16	298.90 9.93 -186.62	455.35 12.63 -311.19	440.90 12.19 -303.04	328.18 11.07 -202.97	212.95 9.76 -100.41	242.94 8.94 -143.70	172.74 8.26 -80.23	139.63 8.03 -45.31
FPL_FAR_ROCK_GT1 24212	144.41 9.63 -49.58	139.55 9.28 -49.56	127.75 9.39 -35.21	128.55 8.95 -39.71	139.62 8.70 -54.57	144.68 10.98 -40.56	166.75 14.12 -30.84	195.24 15.18 -46.87	173.90 14.25 -34.62	167.03 12.04 -45.49	154.51 11.05 -43.87	147.40 10.00 -50.40	146.29 9.59 -53.25	146.96 9.48 -55.68	146.76 9.03 -58.48	154.44 10.60 -52.38	162.23 11.97 -47.90	222.97 15.91 -75.53	204.94 15.20 -64.07	187.92 13.35 -60.43	168.10 11.92 -53.41	163.43 10.47 -62.66	151.50 9.85 -57.39	149.25 9.92 -53.04
FPL_FAR_ROCK_GT2 23815	144.41 9.63 -49.58	139.55 9.28 -49.56	127.75 9.39 -35.21	128.55 8.95 -39.71	139.62 8.70 -54.57	144.68 10.98 -40.56	166.75 14.12 -30.84	195.24 15.18 -46.87	173.90 14.25 -34.62	167.03 12.04 -45.49	154.51 11.05 -43.87	147.40 10.00 -50.40	146.29 9.59 -53.25	146.96 9.48 -55.68	146.76 9.03 -58.48	154.44 10.60 -52.38	162.23 11.97 -47.90	222.97 15.91 -75.53	204.94 15.20 -64.07	187.92 13.35 -60.43	168.10 11.92 -53.41	163.43 10.47 -62.66	151.50 9.85 -57.39	149.25 9.92 -53.04



FRANKLIN_FALL_HYD 24054	83.84 -1.36 0.00	79.50 -1.21 0.00	81.90 -1.25 0.00	78.94 -0.96 0.00	75.35 -0.99 0.00	92.11 -1.02 0.00	118.87 -2.92 0.00	130.26 -2.93 0.00	122.15 -2.88 0.00	108.51 -0.99 0.00	98.39 -1.20 0.00	86.04 -0.96 0.00	82.95 -0.50 0.00	81.15 -0.65 0.00	78.84 -0.40 0.00	90.09 -1.37 0.00	101.54 -0.82 0.00	128.51 -3.03 0.00	122.90 -2.76 0.00	113.00 -1.14 0.00	101.96 -0.82 0.00	89.12 -1.17 0.00	83.58 -0.67 0.00	85.61 -0.69 0.00
FREEPORT_EQUS_GT1 23764	143.90 9.12 -49.57	138.99 8.72 -49.56	127.26 8.90 -35.21	128.07 8.47 -39.71	139.17 8.25 -54.57	144.12 10.43 -40.56	165.49 13.04 -30.66	193.29 13.98 -46.12	172.58 13.25 -34.30	165.34 10.95 -44.90	153.22 9.77 -43.87	146.44 9.05 -50.40	145.46 8.76 -53.25	146.06 8.59 -55.67	145.96 8.24 -58.48	153.44 9.60 -52.38	161.04 10.84 -47.83	221.53 14.47 -75.53	203.56 13.82 -64.07	186.08 12.09 -59.85	166.79 10.79 -53.22	162.71 9.76 -62.66	151.00 9.35 -57.39	148.74 9.41 -53.03
FREEPORT___CT2 23818	143.90 9.12 -49.57	138.99 8.72 -49.56	127.26 8.90 -35.21	128.07 8.47 -39.71	139.17 8.25 -54.57	144.12 10.43 -40.56	165.49 13.04 -30.66	193.29 13.98 -46.12	172.58 13.25 -34.30	165.34 10.95 -44.90	153.22 9.77 -43.87	146.44 9.05 -50.40	145.46 8.76 -53.25	146.06 8.59 -55.67	145.96 8.24 -58.48	153.44 9.60 -52.38	161.04 10.84 -47.83	221.53 14.47 -75.53	203.56 13.82 -64.07	186.08 12.09 -59.85	166.79 10.79 -53.22	162.71 9.76 -62.66	151.00 9.35 -57.39	148.74 9.41 -53.03
FRESHKLS_33_KV_LOAD 356253	138.78 7.92 -45.65	128.03 7.67 -39.65	124.37 7.73 -33.49	123.82 7.43 -36.48	124.57 7.18 -41.05	136.32 8.66 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.75 11.38 -67.35	204.46 9.85 -85.11	211.72 9.06 -103.08	203.20 7.92 -108.28	187.54 7.51 -96.58	187.56 7.36 -98.40	197.30 6.97 -111.08	239.94 8.32 -140.16	298.60 9.62 -186.62	455.09 12.36 -311.19	440.77 12.06 -303.04	327.95 10.84 -202.97	212.74 9.56 -100.41	242.76 8.76 -143.70	172.57 8.09 -80.23	139.37 7.77 -45.31
FULTON COGEN____ 23766	88.04 -0.85 -3.68	83.02 -0.89 -3.20	84.94 -0.91 -2.70	81.97 -0.88 -2.94	78.90 -0.76 -3.31	94.80 -1.12 -2.79	123.43 -0.85 -2.49	136.08 -0.80 -3.69	126.79 -0.88 -2.63	112.06 -0.99 -3.55	101.93 -1.00 -3.34	89.87 -0.96 -3.83	86.39 -1.08 -4.03	84.80 -1.06 -4.06	82.74 -1.03 -4.53	94.56 -0.82 -3.92	104.96 -0.92 -3.52	135.25 -0.66 -4.37	128.47 -0.63 -3.43	117.05 -0.80 -3.71	105.92 -0.93 -4.07	94.14 -1.08 -4.93	87.53 -1.18 -4.45	88.90 -1.04 -3.64
FULTON___LFGE 323630	158.62 9.46 -63.96	145.06 8.80 -55.55	139.13 9.06 -46.91	139.48 8.47 -51.11	142.03 8.17 -57.51	151.27 9.78 -48.36	183.52 18.51 -43.23	216.52 19.31 -64.02	188.04 17.26 -45.75	184.84 13.69 -61.66	169.39 11.75 -58.06	163.43 9.91 -66.52	163.56 10.01 -70.11	162.12 9.65 -70.67	167.75 9.58 -78.92	171.95 12.17 -68.33	178.25 14.64 -61.26	228.81 21.18 -76.09	205.17 19.85 -59.65	196.09 17.34 -64.61	188.05 14.49 -70.77	188.56 12.55 -85.72	172.42 10.70 -77.46	160.02 10.44 -63.28
G.F.CEMENT___DRP 24184	150.38 6.99 -58.19	137.70 6.46 -50.53	131.90 6.07 -42.68	132.07 5.67 -46.50	133.93 5.27 -52.31	143.18 6.05 -43.99	172.08 10.96 -39.32	203.15 11.72 -58.24	177.65 11.00 -41.62	174.78 9.20 -56.09	160.26 7.87 -52.81	154.29 6.79 -60.51	153.73 6.51 -63.77	152.47 6.38 -64.29	157.38 6.34 -71.80	161.21 7.59 -62.16	167.42 9.31 -55.74	213.76 13.02 -69.21	192.24 12.32 -54.25	183.97 11.07 -58.76	176.40 9.25 -64.37	175.94 7.68 -77.97	161.37 6.66 -70.46	150.24 6.39 -57.56
GARDENVILLE___LBMP 24039	88.60 -3.92 -7.32	83.27 -3.79 -6.36	84.53 -3.99 -5.37	81.83 -3.92 -5.85	79.26 -3.66 -6.58	94.48 -4.19 -5.53	122.11 -4.63 -4.95	132.93 -7.59 -7.33	122.85 -7.38 -5.20	109.49 -7.01 -7.01	99.81 -6.37 -6.60	88.47 -6.09 -7.56	85.16 -6.26 -7.97	83.70 -6.14 -8.03	82.11 -6.10 -8.97	93.37 -5.85 -7.77	102.98 -6.35 -6.97	132.43 -7.76 -8.66	125.42 -7.04 -6.79	114.64 -6.85 -7.35	104.05 -6.78 -8.05	93.26 -6.86 -9.82	86.98 -6.15 -8.88	89.32 -4.23 -7.25
GARDNVLA_35_KV_LD 355827	88.95 -3.58 -7.32	83.60 -3.47 -6.36	84.86 -3.66 -5.37	82.16 -3.60 -5.85	79.57 -3.36 -6.58	94.85 -3.82 -5.54	122.72 -4.02 -4.95	133.60 -6.93 -7.33	123.60 -6.63 -5.19	110.14 -6.35 -7.00	100.40 -5.78 -6.59	88.89 -5.65 -7.55	85.57 -5.84 -7.96	84.18 -5.64 -8.02	82.57 -5.63 -8.96	93.91 -5.30 -7.76	103.58 -5.73 -6.96	133.21 -6.97 -8.65	126.04 -6.41 -6.78	115.20 -6.28 -7.34	104.55 -6.27 -8.04	93.71 -6.41 -9.83	87.41 -5.73 -8.88	89.67 -3.88 -7.26
GELCKHM___115KV_LOAD 80723	89.01 -0.43 -4.24	83.98 -0.40 -3.68	85.76 -0.50 -3.11	82.81 -0.48 -3.39	79.70 -0.46 -3.81	95.69 -0.65 -3.20	124.41 -0.24 -2.86	137.17 -0.27 -4.24	127.69 -0.38 -3.03	113.03 -0.55 -4.08	102.83 -0.60 -3.85	90.80 -0.61 -4.41	87.24 -0.83 -4.62	85.73 -0.74 -4.66	83.73 -0.71 -5.21	95.42 -0.55 -4.51	105.79 -0.61 -4.04	136.30 -0.26 -5.02	129.36 -0.25 -3.94	117.95 -0.46 -4.27	106.83 -0.62 -4.67	95.32 -0.63 -5.66	88.69 -0.67 -5.11	90.04 -0.43 -4.18
GENERAL___MILLS 23808	88.78 -3.75 -7.32	83.44 -3.63 -6.36	84.70 -3.82 -5.37	82.00 -3.76 -5.85	79.42 -3.51 -6.58	94.67 -4.00 -5.54	122.36 -4.38 -4.95	133.33 -7.19 -7.33	123.22 -7.00 -5.19	109.82 -6.68 -7.00	100.10 -6.07 -6.59	88.72 -5.83 -7.55	85.40 -6.01 -7.96	83.94 -5.89 -8.03	82.34 -5.86 -8.96	93.64 -5.58 -7.76	103.28 -6.04 -6.96	132.82 -7.37 -8.65	125.79 -6.66 -6.78	114.86 -6.62 -7.34	104.35 -6.48 -8.05	93.53 -6.59 -9.83	87.24 -5.90 -8.88	89.49 -4.06 -7.25
GE_PLASTICS___DRP 24183	144.77 3.41 -56.16	132.63 3.15 -48.77	127.67 3.33 -41.19	127.89 3.12 -44.88	129.89 3.05 -50.49	138.95 3.35 -42.46	164.37 4.63 -37.95	194.19 4.79 -56.20	169.82 4.63 -40.16	167.57 3.94 -54.13	154.04 3.49 -50.97	148.44 3.04 -58.40	147.83 2.84 -61.55	146.63 2.78 -62.05	151.30 2.77 -69.29	154.74 3.29 -59.99	159.94 3.79 -53.80	203.17 4.87 -66.77	182.78 4.78 -52.34	175.17 4.34 -56.69	168.68 3.80 -62.10	168.76 3.25 -75.21	155.26 3.03 -67.97	145.27 3.45 -55.52
GILBOA___1 23756	133.24 3.49 -44.54	122.78 3.39 -38.68	119.56 3.75 -32.67	119.09 3.60 -35.59	119.60 3.21 -40.04	130.81 4.00 -33.67	157.12 5.23 -30.10	183.36 5.59 -44.58	162.14 5.25 -31.86	157.03 4.60 -42.94	144.19 4.18 -40.43	136.89 3.57 -46.32	135.61 3.34 -48.82	134.29 3.28 -49.21	137.37 3.17 -54.96	142.79 3.75 -47.58	149.01 3.99 -42.66	189.65 5.12 -52.99	171.98 4.77 -41.54	163.47 4.34 -44.99	156.18 4.12 -49.29	153.70 3.70 -59.70	141.66 3.46 -53.95	133.91 3.54 -44.07
GILBOA___2 23757	133.24 3.49 -44.54	122.78 3.39 -38.68	119.56 3.75 -32.67	119.09 3.60 -35.59	119.60 3.21 -40.04	130.81 4.00 -33.67	157.12 5.23 -30.10	183.36 5.59 -44.58	162.14 5.25 -31.86	157.03 4.60 -42.94	144.19 4.18 -40.43	136.89 3.57 -46.32	135.61 3.34 -48.82	134.29 3.28 -49.21	137.37 3.17 -54.96	142.79 3.75 -47.58	149.01 3.99 -42.66	189.65 5.12 -52.99	171.98 4.77 -41.54	163.47 4.34 -44.99	156.18 4.12 -49.29	153.70 3.70 -59.70	141.66 3.46 -53.95	133.91 3.54 -44.07
GILBOA___3 23758	133.24 3.49 -44.54	122.78 3.39 -38.68	119.56 3.75 -32.67	119.09 3.60 -35.59	119.60 3.21 -40.04	130.81 4.00 -33.67	157.12 5.23 -30.10	183.36 5.59 -44.58	162.14 5.25 -31.86	157.03 4.60 -42.94	144.19 4.18 -40.43	136.89 3.57 -46.32	135.61 3.34 -48.82	134.29 3.28 -49.21	137.37 3.17 -54.96	142.79 3.75 -47.58	149.01 3.99 -42.66	189.65 5.12 -52.99	171.98 4.77 -41.54	163.47 4.34 -44.99	156.18 4.12 -49.29	153.70 3.70 -59.70	141.66 3.46 -53.95	133.91 3.54 -44.07

GILBOA___4 23759	133.24 3.49 -44.54	122.78 3.39 -38.68	119.56 3.75 -32.67	119.09 3.60 -35.59	119.60 3.21 -40.04	130.81 4.00 -33.67	157.12 5.23 -30.10	183.36 5.59 -44.58	162.14 5.25 -31.86	157.03 4.60 -42.94	144.19 4.18 -40.43	136.89 3.57 -46.32	135.61 3.34 -48.82	134.29 3.28 -49.21	137.37 3.17 -54.96	142.79 3.75 -47.58	149.01 3.99 -42.66	189.65 5.12 -52.99	171.98 4.77 -41.54	163.47 4.34 -44.99	156.18 4.12 -49.29	153.70 3.70 -59.70	141.66 3.46 -53.95	133.91 3.54 -44.07
GILBOA___ 23599	133.23 3.49 -44.54	122.78 3.39 -38.68	119.56 3.74 -32.67	119.09 3.60 -35.59	119.60 3.21 -40.04	130.82 4.00 -33.67	157.01 5.12 -30.10	183.23 5.46 -44.58	162.14 5.25 -31.85	156.92 4.49 -42.93	144.19 4.18 -40.42	136.88 3.57 -46.32	135.60 3.34 -48.82	134.28 3.27 -49.21	137.37 3.17 -54.96	142.79 3.75 -47.58	149.02 3.99 -42.67	189.66 5.13 -52.99	172.11 4.90 -41.54	163.47 4.34 -44.99	156.28 4.21 -49.29	153.70 3.70 -59.70	141.66 3.45 -53.95	133.91 3.54 -44.07
GINNA___ 23603	85.76 -4.52 -5.07	80.68 -4.44 -4.41	82.30 -4.57 -3.72	79.48 -4.47 -4.05	76.63 -4.27 -4.56	92.12 -4.85 -3.84	119.74 -5.48 -3.43	131.48 -6.79 -5.08	122.13 -6.51 -3.61	108.12 -6.24 -4.87	98.59 -5.57 -4.58	86.94 -5.31 -5.25	83.64 -5.34 -5.53	82.06 -5.32 -5.58	80.24 -5.23 -6.23	91.73 -5.12 -5.39	101.26 -5.94 -4.84	130.72 -6.85 -6.03	123.36 -7.03 -4.72	112.52 -6.73 -5.12	102.01 -6.37 -5.61	91.04 -6.05 -6.79	84.83 -5.56 -6.14	86.30 -5.01 -5.01
GLEN PARK___ 23778	88.95 1.28 -2.47	83.90 1.05 -2.14	86.21 1.25 -1.81	83.07 1.20 -1.97	79.71 1.15 -2.22	96.86 1.86 -1.87	127.60 4.14 -1.67	140.85 5.19 -2.47	130.91 4.12 -1.76	115.27 3.40 -2.37	104.51 2.69 -2.23	91.39 1.83 -2.56	87.82 1.67 -2.70	86.32 1.80 -2.72	84.02 1.74 -3.04	97.29 3.20 -2.63	108.92 4.20 -2.36	140.25 5.78 -2.93	133.12 5.15 -2.30	120.73 4.10 -2.49	108.89 3.39 -2.73	96.31 2.71 -3.30	88.76 1.52 -2.98	89.85 1.12 -2.44
GLENDALE_27_KV_LOAD 356172	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.21 7.83 -36.48	124.95 7.56 -41.05	137.16 9.50 -34.52	164.35 11.69 -30.86	212.73 12.92 -66.62	204.75 12.38 -67.35	205.33 10.73 -85.11	212.62 9.96 -103.08	217.24 8.70 -121.54	198.21 8.26 -106.50	198.52 8.10 -108.62	198.01 7.69 -111.08	240.58 8.96 -140.16	228.57 10.13 -116.08	283.14 13.15 -138.45	266.08 12.57 -127.84	228.41 11.41 -102.86	213.36 10.18 -100.41	183.68 9.12 -84.26	172.99 8.51 -80.23	140.06 8.46 -45.31
GLENWOOD_IC_1_G5 23712	143.64 8.86 -49.57	138.74 8.47 -49.56	127.00 8.65 -35.21	127.84 8.23 -39.71	138.94 8.02 -54.57	143.84 10.15 -40.56	164.32 11.69 -30.84	192.84 12.79 -46.86	171.78 12.13 -34.62	164.81 10.07 -45.24	153.21 9.76 -43.86	146.53 9.13 -50.39	145.46 8.76 -53.25	146.22 8.75 -55.67	145.88 8.16 -58.48	152.89 9.05 -52.38	160.76 10.54 -47.86	220.74 13.68 -75.52	202.68 12.94 -64.07	185.98 11.41 -60.43	166.67 10.48 -53.41	162.62 9.66 -62.66	150.74 9.10 -57.39	148.48 9.15 -53.03
GLENWOOD_IC_2_G1 23688	143.38 8.60 -49.57	138.58 8.31 -49.56	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.56 9.87 -40.56	164.92 12.30 -30.84	193.38 13.32 -46.87	172.28 12.62 -34.62	165.51 10.51 -45.51	153.22 9.77 -43.87	146.36 8.96 -50.40	145.38 8.68 -53.25	145.90 8.43 -55.67	145.81 8.09 -58.48	153.26 9.42 -52.38	160.80 10.55 -47.90	221.00 13.94 -75.52	203.05 13.31 -64.07	186.21 11.65 -60.43	166.56 10.38 -53.41	162.17 9.21 -62.66	150.41 8.76 -57.39	148.22 8.89 -53.03
GLENWOOD_IC_3_G1 23689	143.38 8.60 -49.57	138.58 8.31 -49.56	126.75 8.39 -35.21	127.59 7.99 -39.71	138.71 7.79 -54.57	143.56 9.87 -40.56	164.92 12.30 -30.84	193.38 13.32 -46.87	172.28 12.62 -34.62	165.51 10.51 -45.51	153.22 9.77 -43.87	146.36 8.96 -50.40	145.38 8.68 -53.25	145.90 8.43 -55.67	145.81 8.09 -58.48	153.26 9.42 -52.38	160.80 10.55 -47.90	221.00 13.94 -75.52	203.05 13.31 -64.07	186.21 11.65 -60.43	166.56 10.38 -53.41	162.17 9.21 -62.66	150.41 8.76 -57.39	148.22 8.89 -53.03
GLENWOOD___4 23550	143.64 8.86 -49.57	138.74 8.47 -49.56	127.00 8.65 -35.21	127.84 8.23 -39.71	138.94 8.02 -54.57	143.84 10.15 -40.56	164.32 11.69 -30.84	192.84 12.79 -46.86	171.78 12.13 -34.62	164.81 10.07 -45.24	153.21 9.76 -43.86	146.53 9.13 -50.39	145.46 8.76 -53.25	146.22 8.75 -55.67	145.88 8.16 -58.48	152.89 9.05 -52.38	160.76 10.54 -47.86	220.74 13.68 -75.52	202.68 12.94 -64.07	185.98 11.41 -60.43	166.67 10.48 -53.41	162.62 9.66 -62.66	150.74 9.10 -57.39	148.48 9.15 -53.03
GLENWOOD___5 23614	143.64 8.86 -49.57	138.74 8.47 -49.56	127.00 8.65 -35.21	127.84 8.23 -39.71	138.94 8.02 -54.57	143.84 10.15 -40.56	164.32 11.69 -30.84	192.84 12.79 -46.86	171.78 12.13 -34.62	164.81 10.07 -45.24	153.21 9.76 -43.86	146.53 9.13 -50.39	145.46 8.76 -53.25	146.22 8.75 -55.67	145.88 8.16 -58.48	152.89 9.05 -52.38	160.76 10.54 -47.86	220.74 13.68 -75.52	202.68 12.94 -64.07	185.98 11.41 -60.43	166.67 10.48 -53.41	162.62 9.66 -62.66	150.74 9.10 -57.39	148.48 9.15 -53.03
GLOBAL GREEN_PORT_GT1 23814	148.75 13.97 -49.57	143.58 13.31 -49.56	131.58 13.22 -35.21	132.31 12.71 -39.71	143.37 12.45 -54.57	149.44 15.74 -40.56	171.24 19.61 -29.84	196.80 21.04 -42.57	177.19 19.38 -32.78	168.84 15.77 -43.58	158.19 14.74 -43.86	150.96 13.57 -50.40	149.71 13.01 -53.25	149.90 12.43 -55.67	149.92 12.20 -58.48	158.10 14.26 -52.38	166.25 16.37 -47.52	228.51 21.45 -75.52	210.35 20.61 -64.07	188.94 17.69 -57.11	170.86 15.73 -52.35	166.49 13.54 -62.66	154.61 12.97 -57.39	152.36 13.03 -53.03
GLOBE___DSASP 323697	86.05 -5.88 -6.73	80.90 -5.65 -5.84	82.26 -5.82 -4.93	79.52 -5.75 -5.37	77.20 -5.19 -6.05	91.89 -6.33 -5.09	117.93 -8.40 -4.55	127.54 -12.39 -6.73	117.93 -11.88 -4.78	104.99 -10.95 -6.44	95.70 -9.96 -6.07	84.73 -9.22 -6.95	81.60 -9.18 -7.33	80.19 -9.00 -7.39	78.69 -8.80 -8.25	89.64 -8.96 -7.14	98.83 -9.93 -6.40	127.00 -12.50 -7.96	120.35 -11.56 -6.24	110.06 -10.84 -6.76	99.91 -10.28 -7.40	89.48 -9.84 -9.02	83.73 -8.68 -8.15	86.31 -6.64 -6.66
GOETHSLN___LBMP 323567	138.01 7.16 -45.65	127.29 6.94 -39.64	123.70 7.07 -33.48	123.09 6.71 -36.48	123.96 6.57 -41.04	136.03 8.38 -34.52	163.00 10.35 -30.86	207.59 11.45 -62.94	197.28 11.00 -61.25	196.66 9.42 -77.75	200.50 8.86 -92.05	202.94 7.66 -108.29	187.37 7.34 -96.58	187.40 7.20 -98.40	187.34 6.81 -101.28	223.14 7.87 -123.81	214.43 8.70 -103.38	269.58 11.31 -126.73	252.44 10.81 -115.97	218.91 9.82 -94.96	203.27 8.84 -91.65	178.48 7.95 -80.24	167.61 7.50 -75.86	139.09 7.51 -45.29
GOLAH___69_KV_TB 1_2 80279	90.04 -0.60 -5.43	84.62 -0.81 -4.72	86.64 -0.50 -3.98	83.60 -0.64 -4.34	80.77 -0.46 -4.88	97.06 -0.19 -4.11	125.95 0.49 -3.67	137.17 -1.47 -5.44	127.41 -1.50 -3.88	112.75 -1.97 -5.22	102.81 -1.69 -4.92	90.54 -2.09 -5.63	87.13 -2.25 -5.93	85.41 -2.37 -5.98	83.62 -2.30 -6.68	95.68 -1.55 -5.78	105.90 -1.64 -5.18	136.66 -1.32 -6.44	129.84 -0.88 -5.05	118.47 -1.14 -5.47	107.44 -1.34 -5.99	95.50 -2.08 -7.28	88.89 -1.94 -6.58	91.07 -0.60 -5.37
GOODYEAR_LAKE_HYD 323669	104.33 4.60 -14.53	97.69 4.36 -12.62	98.38 4.57 -10.66	95.91 4.39 -11.61	93.61 4.20 -13.06	109.80 5.68 -10.99	140.01 8.40 -9.82	156.93 9.19 -14.54	143.80 8.38 -10.39	130.51 7.01 -14.01	119.05 6.27 -13.19	107.42 5.31 -15.11	104.31 4.92 -15.94	102.70 4.83 -16.07	101.79 4.60 -17.95	112.85 5.85 -15.54	122.95 6.65 -13.94	157.80 8.94 -17.32	147.79 8.55 -13.58	136.26 7.42 -14.70	125.46 6.58 -16.11	115.49 5.69 -19.50	106.68 4.80 -17.62	105.53 4.83 -14.40

GOUDEY_115_KV_TB6_REV_LBMP_C 345031	100.99 0.94 -14.85	94.50 0.89 -12.90	94.96 0.91 -10.89	92.57 0.80 -11.87	90.54 0.84 -13.35	105.48 1.12 -11.23	134.14 2.31 -10.04	149.92 1.86 -14.86	137.28 1.63 -10.63	124.80 0.99 -14.32	113.87 0.80 -13.49	102.97 0.52 -15.45	99.92 0.17 -16.31	98.49 0.25 -16.44	97.84 0.24 -18.36	108.08 0.73 -15.90	117.53 0.92 -14.26	151.23 1.97 -17.72	141.57 2.01 -13.89	130.78 1.60 -15.05	120.49 1.23 -16.48	111.06 0.81 -19.95	102.79 0.51 -18.03	101.98 0.95 -14.73
GOUDEY___7 23579	101.08 1.02 -14.85	94.58 0.97 -12.90	95.04 1.00 -10.89	92.65 0.88 -11.87	90.62 0.92 -13.35	105.58 1.21 -11.23	134.26 2.44 -10.04	150.19 2.13 -14.86	137.41 1.75 -10.63	124.91 1.09 -14.32	113.97 0.90 -13.49	103.06 0.61 -15.45	100.09 0.33 -16.31	98.57 0.33 -16.44	97.92 0.32 -18.36	108.18 0.82 -15.90	117.74 1.13 -14.26	151.36 2.10 -17.72	141.70 2.14 -13.89	130.90 1.71 -15.05	120.60 1.34 -16.48	111.15 0.90 -19.95	102.87 0.59 -18.03	102.06 1.04 -14.73
GOUDEY___8 23580	100.99 0.94 -14.85	94.50 0.89 -12.90	94.96 0.91 -10.89	92.57 0.80 -11.87	90.54 0.84 -13.35	105.48 1.12 -11.23	134.14 2.31 -10.04	149.92 1.86 -14.86	137.28 1.63 -10.63	124.80 0.99 -14.32	113.87 0.80 -13.49	102.97 0.52 -15.45	99.92 0.17 -16.31	98.49 0.25 -16.44	97.84 0.24 -18.36	108.08 0.73 -15.90	117.53 0.92 -14.26	151.23 1.97 -17.72	141.57 2.01 -13.89	130.78 1.60 -15.05	120.49 1.23 -16.48	111.06 0.81 -19.95	102.79 0.51 -18.03	101.98 0.95 -14.73
GOWANUS_GT1_1 24077	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT1_2 24078	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT1_3 24079	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT1_4 24080	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT1_5 24084	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT1_6 24111	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT1_7 24112	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT1_8 24113	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT2_1 24114	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT2_2 24115	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT2_3 24116	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT2_4 24117	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31

GOWANUS_GT2_5 24118	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT2_6 24119	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT2_7 24120	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT2_8 24121	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_1 24122	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_2 24123	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_3 24124	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_4 24125	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_5 24126	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_6 24127	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_7 24128	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT3_8 24129	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
GOWANUS_GT4_1 24130	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT4_2 24131	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT4_3 24132	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31

GOWANUS_GT4_4 24133	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT4_5 24134	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT4_6 24135	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT4_7 24136	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GOWANUS_GT4_8 24137	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GREENBSH_115KV_TB3 55895	144.92 3.32 -56.39	132.83 3.15 -48.97	127.67 3.16 -41.36	128.00 3.04 -45.06	130.02 2.98 -50.70	138.85 3.07 -42.64	164.16 4.26 -38.11	194.03 4.40 -56.44	169.61 4.25 -40.33	167.46 3.61 -54.36	153.95 3.19 -51.18	148.42 2.78 -58.64	147.84 2.59 -61.81	146.72 2.62 -62.30	151.36 2.54 -69.58	154.72 3.02 -60.24	159.86 3.48 -54.02	203.19 4.60 -67.05	182.76 4.52 -52.56	175.07 3.99 -56.93	168.64 3.49 -62.37	168.81 2.98 -75.54	155.30 2.78 -68.26	145.52 3.45 -55.77
GREENDGE_115KV_TB5 80291	95.13 0.26 -9.67	90.08 0.97 -8.40	91.08 0.83 -7.09	88.51 0.88 -7.73	86.42 1.37 -8.69	101.10 0.65 -7.31	131.13 2.80 -6.54	145.40 2.53 -9.68	133.62 1.63 -6.97	119.65 0.77 -9.39	108.92 0.50 -8.84	97.04 -0.09 -10.13	93.48 -0.67 -10.70	92.83 0.25 -10.78	91.52 0.24 -12.04	102.07 0.18 -10.43	112.32 0.61 -9.35	145.79 2.63 -11.62	137.42 2.64 -9.11	126.18 2.17 -9.87	114.92 1.34 -10.81	103.75 0.45 -13.00	95.66 -0.34 -11.75	96.07 0.17 -9.60
GREENIDGE___3 23582	95.13 0.26 -9.67	90.08 0.97 -8.40	91.08 0.83 -7.09	88.51 0.88 -7.73	86.42 1.37 -8.69	101.10 0.65 -7.31	131.13 2.80 -6.54	145.40 2.53 -9.68	133.62 1.63 -6.97	119.65 0.77 -9.39	108.92 0.50 -8.84	97.04 -0.09 -10.13	93.48 -0.67 -10.70	92.83 0.25 -10.78	91.52 0.24 -12.04	102.07 0.18 -10.43	112.32 0.61 -9.35	145.79 2.63 -11.62	137.42 2.64 -9.11	126.18 2.17 -9.87	114.92 1.34 -10.81	103.75 0.45 -13.00	95.66 -0.34 -11.75	96.07 0.17 -9.60
GREENIDGE___4 23583	95.13 0.26 -9.67	90.08 0.97 -8.40	91.08 0.83 -7.09	88.51 0.88 -7.73	86.11 1.07 -8.69	101.10 0.66 -7.31	131.00 2.68 -6.54	145.27 2.40 -9.68	133.52 1.51 -6.98	119.56 0.66 -9.41	108.84 0.40 -8.86	97.06 -0.09 -10.15	94.31 0.17 -10.70	92.83 0.25 -10.78	91.52 0.24 -12.04	101.98 0.09 -10.43	112.13 0.41 -9.36	145.57 2.49 -11.54	136.85 2.13 -9.05	125.65 1.71 -9.80	114.43 0.92 -10.73	103.57 0.27 -13.00	95.67 -0.34 -11.75	95.98 0.09 -9.60
GREENLWN_69_KV_BK 3 55738	142.78 8.01 -49.57	138.26 7.99 -49.56	126.42 8.07 -35.21	127.36 7.75 -39.71	138.40 7.48 -54.57	143.10 9.41 -40.56	156.28 8.04 -26.45	169.94 8.79 -27.95	159.94 8.38 -26.53	156.65 6.90 -40.26	150.31 6.87 -43.86	145.13 7.74 -50.39	144.29 7.59 -53.25	145.08 7.61 -55.67	144.61 6.89 -58.48	150.32 6.49 -52.37	156.15 7.57 -46.22	216.79 9.73 -75.52	198.91 9.17 -64.06	167.85 7.88 -45.84	159.06 7.50 -48.78	160.08 7.13 -62.65	148.89 7.25 -57.39	147.01 7.68 -53.03
GREENWD_138_KV_38B11_REV_LBMP_J 345004	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31
GRISSOM___SOLAR 323813	158.62 9.46 -63.96	145.06 8.80 -55.55	139.13 9.06 -46.91	139.48 8.47 -51.11	142.03 8.17 -57.51	151.27 9.78 -48.36	183.52 18.51 -43.23	216.52 19.31 -64.02	188.04 17.26 -45.75	184.84 13.69 -61.66	169.39 11.75 -58.06	163.43 9.91 -66.52	163.56 10.01 -70.11	162.12 9.65 -70.67	167.75 9.58 -78.92	171.95 12.17 -68.33	178.25 14.64 -61.26	228.81 21.18 -76.09	205.17 19.85 -59.65	196.09 17.34 -64.61	188.05 14.49 -70.77	188.56 12.55 -85.72	172.42 10.70 -77.46	160.02 10.44 -63.28
GROVEVILLE___HYD 323602	141.09 8.61 -47.28	129.92 8.15 -41.06	126.40 8.56 -34.68	125.92 8.23 -37.79	126.80 7.94 -42.51	139.13 10.24 -35.75	167.26 13.52 -31.95	194.72 14.25 -47.28	172.15 13.38 -33.74	166.24 11.17 -45.58	153.06 10.56 -42.91	145.04 8.87 -49.17	143.41 8.26 -51.70	141.93 8.02 -52.11	145.51 7.92 -58.34	151.21 9.24 -50.51	157.18 9.52 -45.30	199.45 13.02 -54.89	180.89 12.19 -43.03	171.70 10.96 -46.61	163.70 9.87 -51.06	160.98 8.85 -61.84	148.23 8.09 -55.88	139.98 8.03 -45.65
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	90.29 0.34 -4.75	85.07 0.24 -4.12	86.80 0.17 -3.48	83.85 0.16 -3.79	80.77 0.15 -4.27	96.82 0.09 -3.59	125.85 0.85 -3.21	138.88 0.93 -4.75	129.18 0.75 -3.40	114.40 0.33 -4.58	104.09 0.20 -4.31	92.02 0.09 -4.94	88.45 -0.17 -5.17	86.93 -0.08 -5.21	84.99 -0.08 -5.82	96.68 0.18 -5.04	107.19 0.31 -4.52	138.21 1.05 -5.62	130.95 0.88 -4.41	119.48 0.57 -4.77	108.42 0.41 -5.23	96.81 0.18 -6.33	89.97 0.00 -5.72	91.23 0.26 -4.67
HAMLTNNY_34_KV_TB 80303	90.77 0.51 -5.05	85.50 0.40 -4.39	87.27 0.42 -3.71	84.34 0.40 -4.04	81.35 0.46 -4.54	97.42 0.47 -3.82	126.67 1.46 -3.42	139.85 1.60 -5.06	129.90 1.25 -3.62	115.14 0.77 -4.88	104.77 0.60 -4.59	92.69 0.43 -5.26	89.03 0.08 -5.50	87.51 0.16 -5.55	85.59 0.16 -6.19	97.37 0.55 -5.36	107.88 0.72 -4.81	139.09 1.58 -5.98	131.86 1.51 -4.69	120.35 1.14 -5.08	109.06 0.72 -5.56	97.48 0.45 -6.73	90.50 0.17 -6.08	91.70 0.43 -4.97

HAMPSHIRE___PAPER_HYD 323593	83.73 -2.73 -1.26	79.22 -2.59 -1.09	81.41 -2.66 -0.92	78.43 -2.48 -1.01	75.11 -2.37 -1.13	91.10 -2.98 -0.95	119.23 -3.41 -0.85	131.26 -3.20 -1.26	122.68 -3.25 -0.90	108.19 -2.51 -1.21	98.14 -2.59 -1.14	85.96 -2.34 -1.31	82.66 -2.17 -1.38	81.06 -2.13 -1.39	78.73 -2.06 -1.55	90.70 -2.10 -1.34	101.61 -1.95 -1.21	130.01 -3.02 -1.50	123.96 -2.89 -1.17	112.79 -2.62 -1.27	101.81 -2.36 -1.39	89.73 -2.25 -1.69	83.51 -2.27 -1.52	84.87 -2.68 -1.24
HARDSCRABBLE_WT_PWR 323673	88.10 2.90 0.00	83.45 2.75 0.00	85.89 2.74 0.00	82.46 2.56 0.00	78.79 2.44 0.00	96.30 3.17 0.00	126.30 4.51 0.00	138.12 4.93 0.00	129.52 4.49 0.00	113.32 3.83 0.00	102.97 3.39 0.00	89.78 2.78 0.00	86.04 2.59 0.00	84.25 2.45 0.00	81.62 2.38 0.00	94.57 3.11 0.00	106.15 3.79 0.00	136.53 5.00 0.00	130.06 4.40 0.00	117.79 3.65 0.00	105.86 3.08 0.00	93.00 2.71 0.00	86.44 2.19 0.00	88.54 2.24 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	134.14 6.13 -42.81	123.86 5.97 -37.18	120.70 6.15 -31.40	119.94 5.83 -34.21	120.48 5.65 -38.49	132.77 7.26 -32.37	159.86 9.13 -28.93	186.19 9.99 -43.01	165.53 9.63 -30.87	158.83 8.10 -41.23	146.08 7.67 -38.82	137.92 6.44 -44.48	136.87 6.09 -47.33	135.42 5.89 -47.73	137.73 5.71 -52.78	143.74 6.58 -45.70	151.46 7.57 -41.53	200.37 10.00 -58.84	182.98 9.43 -47.89	171.31 8.56 -48.61	158.43 7.71 -47.94	154.99 6.86 -57.83	142.91 6.40 -52.25	135.21 6.39 -42.53
HARSNRAD_115KV_TB1 81005	87.57 -4.26 -6.62	82.43 -4.04 -5.75	83.77 -4.24 -4.86	80.96 -4.23 -5.29	78.41 -3.89 -5.95	93.67 -4.47 -5.01	121.03 -5.24 -4.48	131.16 -8.66 -6.63	121.36 -8.38 -4.71	107.85 -7.99 -6.35	98.29 -7.27 -5.98	86.89 -6.96 -6.85	83.66 -7.01 -7.22	82.20 -6.87 -7.28	80.55 -6.81 -8.13	92.00 -6.49 -7.03	101.50 -7.17 -6.31	130.70 -8.68 -7.84	123.77 -8.04 -6.15	113.04 -7.76 -6.66	102.57 -7.50 -7.29	91.60 -7.58 -8.88	85.63 -6.66 -8.03	88.11 -4.75 -6.56
HARZA MOOSE___RIVER 24016	89.19 2.30 -1.68	84.27 2.10 -1.46	86.55 2.16 -1.23	83.32 2.08 -1.35	79.92 2.06 -1.51	97.30 2.89 -1.27	127.92 4.99 -1.14	140.61 5.73 -1.68	131.36 5.13 -1.20	115.50 4.38 -1.62	104.80 3.68 -1.53	91.71 2.96 -1.75	88.05 2.75 -1.84	86.36 2.70 -1.86	83.93 2.61 -2.08	96.91 3.66 -1.80	108.37 4.40 -1.61	139.19 5.66 -2.00	132.52 5.28 -1.57	120.18 4.34 -1.70	108.34 3.70 -1.86	95.62 3.07 -2.26	88.57 2.27 -2.04	90.12 2.16 -1.67
HDSNBRDG_115KV_BRDG_TB1 355580	89.22 -0.26 -4.27	84.10 -0.32 -3.71	85.95 -0.33 -3.13	82.99 -0.32 -3.41	79.81 -0.38 -3.84	95.71 -0.65 -3.23	124.43 -0.24 -2.89	137.20 -0.27 -4.27	127.71 -0.38 -3.06	113.06 -0.55 -4.12	102.87 -0.60 -3.88	90.83 -0.61 -4.44	87.37 -0.75 -4.67	85.86 -0.65 -4.71	83.87 -0.63 -5.26	95.55 -0.46 -4.55	105.83 -0.61 -4.08	136.35 -0.26 -5.08	129.40 -0.25 -3.98	117.99 -0.46 -4.31	106.88 -0.62 -4.72	95.47 -0.54 -5.72	88.83 -0.59 -5.17	90.17 -0.35 -4.22
HELLGATE_13_KV_LD 55870	138.87 8.01 -45.65	128.03 7.67 -39.65	124.54 7.90 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.78 9.13 -34.52	163.74 11.08 -30.86	211.93 12.12 -66.62	204.00 11.63 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.12 8.51 -140.16	228.06 9.62 -116.08	282.22 12.23 -138.45	265.32 11.81 -127.84	227.61 10.61 -102.86	212.74 9.56 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	138.87 8.01 -45.65	128.03 7.67 -39.65	124.54 7.90 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.78 9.13 -34.52	163.74 11.08 -30.86	211.93 12.12 -66.62	204.00 11.63 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.12 8.51 -140.16	228.06 9.62 -116.08	282.22 12.23 -138.45	265.32 11.81 -127.84	227.61 10.61 -102.86	212.74 9.56 -100.41	183.23 8.67 -84.26	172.57 8.09 -80.23	139.72 8.11 -45.31
HEMPSTEAD___ 23647	143.30 8.52 -49.57	138.51 8.24 -49.56	126.75 8.39 -35.21	127.59 7.99 -39.71	138.63 7.71 -54.57	143.56 9.87 -40.56	164.68 12.18 -30.71	192.72 13.19 -46.33	171.93 12.50 -34.40	164.90 10.41 -44.99	153.01 9.56 -43.87	146.27 8.88 -50.40	145.21 8.52 -53.25	145.82 8.35 -55.67	145.72 8.00 -58.48	153.07 9.23 -52.38	160.65 10.45 -47.85	221.00 13.94 -75.52	202.93 13.19 -64.07	185.68 11.52 -60.02	166.33 10.28 -53.28	162.07 9.12 -62.66	150.41 8.76 -57.39	148.14 8.81 -53.03
HEWLETT___69_KV_BK3 55828	143.89 9.12 -49.57	139.07 8.80 -49.56	127.34 8.98 -35.21	128.15 8.55 -39.71	139.16 8.25 -54.57	144.12 10.43 -40.56	164.93 12.30 -30.84	193.38 13.32 -46.87	172.15 12.50 -34.62	165.38 10.40 -45.49	153.70 10.26 -43.86	146.79 9.40 -50.39	145.71 9.01 -53.25	146.47 9.00 -55.67	146.12 8.40 -58.48	153.25 9.42 -52.38	161.07 10.85 -47.86	221.27 14.21 -75.52	203.18 13.45 -64.07	186.55 11.98 -60.43	167.08 10.89 -53.41	162.89 9.93 -62.66	151.08 9.44 -57.39	148.82 9.49 -53.03
HICKLING___1 23621	97.32 0.34 -11.78	91.34 0.40 -10.23	92.12 0.33 -8.64	89.63 0.32 -9.41	87.40 0.46 -10.59	102.69 0.65 -8.91	132.07 2.31 -7.96	146.18 1.20 -11.79	134.23 0.75 -8.45	121.00 0.11 -11.39	110.31 0.00 -10.73	98.85 -0.43 -12.29	95.52 -0.92 -12.98	94.15 -0.74 -13.09	93.07 -0.79 -14.62	103.93 -0.18 -12.66	113.71 0.00 -11.35	147.09 1.45 -14.11	138.24 1.51 -11.06	127.26 1.14 -11.98	116.52 0.62 -13.12	106.05 -0.09 -15.84	98.06 -0.51 -14.31	98.34 0.35 -11.69
HICKLING___2 23622	97.32 0.34 -11.78	91.34 0.40 -10.23	92.12 0.33 -8.64	89.63 0.32 -9.41	87.40 0.46 -10.59	102.69 0.65 -8.91	132.07 2.31 -7.96	146.18 1.20 -11.79	134.23 0.75 -8.45	121.00 0.11 -11.39	110.31 0.00 -10.73	98.85 -0.43 -12.29	95.52 -0.92 -12.98	94.15 -0.74 -13.09	93.07 -0.79 -14.62	103.93 -0.18 -12.66	113.71 0.00 -11.35	147.09 1.45 -14.11	138.24 1.51 -11.06	127.26 1.14 -11.98	116.52 0.62 -13.12	106.05 -0.09 -15.84	98.06 -0.51 -14.31	98.34 0.35 -11.69
HIGH FALLS___HY 23754	140.21 8.52 -46.48	129.15 8.07 -40.37	125.81 8.56 -34.09	125.20 8.15 -37.15	126.08 7.94 -41.79	138.90 10.62 -35.15	166.85 13.64 -31.41	193.97 14.25 -46.53	171.15 12.88 -33.25	164.81 10.51 -44.81	151.73 9.96 -42.19	143.60 8.26 -48.34	141.41 7.01 -50.95	139.79 6.63 -51.36	143.26 6.66 -57.36	148.98 7.87 -49.66	155.08 8.19 -44.53	197.23 11.31 -54.38	178.85 10.56 -42.63	169.79 9.47 -46.17	162.81 9.46 -50.58	160.05 8.49 -61.26	147.45 7.84 -55.36	139.12 7.59 -45.23
HILLBURN___GT 23639	134.84 6.22 -43.42	124.55 6.13 -37.71	121.24 6.24 -31.85	120.51 5.91 -34.70	121.12 5.73 -39.04	133.42 7.45 -32.83	160.64 9.51 -29.35	187.24 10.40 -43.65	166.49 10.12 -31.34	159.95 8.65 -41.81	146.92 7.97 -39.37	138.80 6.70 -45.11	137.84 6.34 -48.05	136.39 6.14 -48.45	138.70 5.95 -53.52	144.65 6.86 -46.33	152.38 7.68 -42.34	202.45 10.13 -60.78	185.06 9.68 -49.71	172.85 8.67 -50.04	159.11 7.71 -48.62	155.75 6.78 -58.68	143.59 6.32 -53.01	135.81 6.39 -43.13
HILLSIDE_115KV_TB1 80332	96.46 -0.94 -12.19	90.49 -0.81 -10.59	91.26 -0.83 -8.94	88.77 -0.88 -9.74	86.62 -0.69 -10.96	101.61 -0.75 -9.22	130.15 0.12 -8.24	144.20 -1.20 -12.20	132.40 -1.38 -8.74	119.53 -1.75 -11.78	108.99 -1.69 -11.10	97.97 -1.74 -12.71	94.79 -2.09 -13.43	93.37 -1.96 -13.54	92.46 -1.90 -15.12	102.90 -1.65 -13.09	112.46 -1.64 -11.74	145.20 -0.92 -14.59	136.35 -0.75 -11.44	125.73 -0.80 -12.39	115.22 -1.13 -13.57	105.16 -1.54 -16.39	97.30 -1.77 -14.82	97.45 -0.95 -12.10

HISHELDN_WT_PWR 323625	89.90 -3.32 -8.03	84.45 -3.23 -6.97	85.62 -3.41 -5.89	82.96 -3.35 -6.41	80.28 -3.28 -7.22	95.66 -3.54 -6.07	123.07 -4.14 -5.42	134.57 -6.66 -8.03	124.14 -6.63 -5.74	110.87 -6.35 -7.73	101.09 -5.78 -7.28	89.86 -5.48 -8.34	86.56 -5.68 -8.79	85.18 -5.48 -8.86	83.59 -5.55 -9.90	94.72 -5.31 -8.57	103.91 -6.14 -7.69	134.12 -6.98 -9.56	126.01 -7.16 -7.50	115.52 -6.73 -8.12	105.09 -6.58 -8.90	94.84 -6.23 -10.77	88.52 -5.48 -9.74	90.28 -3.97 -7.95
HOLTSVILLE_IC_1 23690	144.99 10.22 -49.57	140.19 9.92 -49.56	128.41 10.06 -35.21	129.19 9.58 -39.71	140.23 9.31 -54.57	145.43 11.74 -40.56	165.22 13.52 -29.91	190.47 14.39 -42.88	171.19 13.25 -32.92	163.99 10.84 -43.65	153.90 10.45 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	147.04 9.57 -55.67	147.07 9.35 -58.48	154.44 10.60 -52.38	161.57 11.66 -47.55	222.44 15.38 -75.52	204.31 14.57 -64.07	183.94 12.44 -57.36	166.31 11.10 -52.43	162.80 9.84 -62.66	151.58 9.94 -57.39	149.42 10.09 -53.03
HOLTSVILLE_IC_10 23699	145.60 10.82 -49.57	140.76 10.49 -49.56	129.00 10.65 -35.21	129.75 10.15 -39.71	140.77 9.85 -54.57	146.08 12.39 -40.56	165.56 14.12 -29.64	189.70 14.78 -41.72	171.08 13.63 -32.42	163.94 11.05 -43.39	154.50 11.05 -43.86	148.09 10.70 -50.40	147.21 10.51 -53.25	147.53 10.06 -55.67	147.54 9.82 -58.48	155.08 11.25 -52.38	162.19 12.38 -47.45	223.36 16.31 -75.52	205.19 15.45 -64.07	183.83 13.23 -56.46	166.74 11.81 -52.15	163.33 10.38 -62.66	152.09 10.45 -57.39	149.94 10.61 -53.03
HOLTSVILLE_IC_2 23691	144.99 10.22 -49.57	140.19 9.92 -49.56	128.41 10.06 -35.21	129.19 9.58 -39.71	140.23 9.31 -54.57	145.43 11.74 -40.56	165.22 13.52 -29.91	190.47 14.39 -42.88	171.19 13.25 -32.92	163.99 10.84 -43.65	153.90 10.45 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	147.04 9.57 -55.67	147.07 9.35 -58.48	154.44 10.60 -52.38	161.57 11.66 -47.55	222.44 15.38 -75.52	204.31 14.57 -64.07	183.94 12.44 -57.36	166.31 11.10 -52.43	162.80 9.84 -62.66	151.58 9.94 -57.39	149.42 10.09 -53.03
HOLTSVILLE_IC_3 23692	144.99 10.22 -49.57	140.19 9.92 -49.56	128.41 10.06 -35.21	129.19 9.58 -39.71	140.23 9.31 -54.57	145.43 11.74 -40.56	165.22 13.52 -29.91	190.47 14.39 -42.88	171.19 13.25 -32.92	163.99 10.84 -43.65	153.90 10.45 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	147.04 9.57 -55.67	147.07 9.35 -58.48	154.44 10.60 -52.38	161.57 11.66 -47.55	222.44 15.38 -75.52	204.31 14.57 -64.07	183.94 12.44 -57.36	166.31 11.10 -52.43	162.80 9.84 -62.66	151.58 9.94 -57.39	149.42 10.09 -53.03
HOLTSVILLE_IC_4 23693	144.99 10.22 -49.57	140.19 9.92 -49.56	128.41 10.06 -35.21	129.19 9.58 -39.71	140.23 9.31 -54.57	145.43 11.74 -40.56	165.22 13.52 -29.91	190.47 14.39 -42.88	171.19 13.25 -32.92	163.99 10.84 -43.65	153.90 10.45 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	147.04 9.57 -55.67	147.07 9.35 -58.48	154.44 10.60 -52.38	161.57 11.66 -47.55	222.44 15.38 -75.52	204.31 14.57 -64.07	183.94 12.44 -57.36	166.31 11.10 -52.43	162.80 9.84 -62.66	151.58 9.94 -57.39	149.42 10.09 -53.03
HOLTSVILLE_IC_5 23694	144.99 10.22 -49.57	140.19 9.92 -49.56	128.41 10.06 -35.21	129.19 9.58 -39.71	140.23 9.31 -54.57	145.43 11.74 -40.56	165.22 13.52 -29.91	190.47 14.39 -42.88	171.19 13.25 -32.92	163.99 10.84 -43.65	153.90 10.45 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	147.04 9.57 -55.67	147.07 9.35 -58.48	154.44 10.60 -52.38	161.57 11.66 -47.55	222.44 15.38 -75.52	204.31 14.57 -64.07	183.94 12.44 -57.36	166.31 11.10 -52.43	162.80 9.84 -62.66	151.58 9.94 -57.39	149.42 10.09 -53.03
HOLTSVILLE_IC_6 23695	145.60 10.82 -49.57	140.76 10.49 -49.56	129.00 10.65 -35.21	129.75 10.15 -39.71	140.77 9.85 -54.57	146.08 12.39 -40.56	165.56 14.12 -29.64	189.70 14.78 -41.72	171.08 13.63 -32.42	163.94 11.05 -43.39	154.50 11.05 -43.86	148.09 10.70 -50.40	147.21 10.51 -53.25	147.53 10.06 -55.67	147.54 9.82 -58.48	155.08 11.25 -52.38	162.19 12.38 -47.45	223.36 16.31 -75.52	205.19 15.45 -64.07	183.83 13.23 -56.46	166.74 11.81 -52.15	163.33 10.38 -62.66	152.09 10.45 -57.39	149.94 10.61 -53.03
HOLTSVILLE_IC_7 23696	145.60 10.82 -49.57	140.76 10.49 -49.56	129.00 10.65 -35.21	129.75 10.15 -39.71	140.77 9.85 -54.57	146.08 12.39 -40.56	165.56 14.12 -29.64	189.70 14.78 -41.72	171.08 13.63 -32.42	163.94 11.05 -43.39	154.50 11.05 -43.86	148.09 10.70 -50.40	147.21 10.51 -53.25	147.53 10.06 -55.67	147.54 9.82 -58.48	155.08 11.25 -52.38	162.19 12.38 -47.45	223.36 16.31 -75.52	205.19 15.45 -64.07	183.83 13.23 -56.46	166.74 11.81 -52.15	163.33 10.38 -62.66	152.09 10.45 -57.39	149.94 10.61 -53.03
HOLTSVILLE_IC_8 23697	145.60 10.82 -49.57	140.76 10.49 -49.56	129.00 10.65 -35.21	129.75 10.15 -39.71	140.77 9.85 -54.57	146.08 12.39 -40.56	165.56 14.12 -29.64	189.70 14.78 -41.72	171.08 13.63 -32.42	163.94 11.05 -43.39	154.50 11.05 -43.86	148.09 10.70 -50.40	147.21 10.51 -53.25	147.53 10.06 -55.67	147.54 9.82 -58.48	155.08 11.25 -52.38	162.19 12.38 -47.45	223.36 16.31 -75.52	205.19 15.45 -64.07	183.83 13.23 -56.46	166.74 11.81 -52.15	163.33 10.38 -62.66	152.09 10.45 -57.39	149.94 10.61 -53.03
HOLTSVILLE_IC_9 23698	145.60 10.82 -49.57	140.76 10.49 -49.56	129.00 10.65 -35.21	129.75 10.15 -39.71	140.77 9.85 -54.57	146.08 12.39 -40.56	165.56 14.12 -29.64	189.70 14.78 -41.72	171.08 13.63 -32.42	163.94 11.05 -43.39	154.50 11.05 -43.86	148.09 10.70 -50.40	147.21 10.51 -53.25	147.53 10.06 -55.67	147.54 9.82 -58.48	155.08 11.25 -52.38	162.19 12.38 -47.45	223.36 16.31 -75.52	205.19 15.45 -64.07	183.83 13.23 -56.46	166.74 11.81 -52.15	163.33 10.38 -62.66	152.09 10.45 -57.39	149.94 10.61 -53.03
HOMER_HL_115KV_TB2 355744	87.93 -5.54 -8.26	82.64 -5.25 -7.18	83.73 -5.49 -6.06	81.15 -5.35 -6.60	78.66 -5.12 -7.43	93.52 -5.87 -6.25	121.17 -6.21 -5.59	133.47 -7.99 -8.27	123.13 -7.63 -5.72	110.09 -7.12 -7.71	100.28 -6.57 -7.26	89.06 -6.26 -8.32	85.80 -6.43 -8.78	84.35 -6.30 -8.85	82.86 -6.26 -9.88	93.79 -6.22 -8.55	103.17 -6.86 -7.67	131.99 -9.08 -9.54	124.97 -8.17 -7.48	114.47 -7.76 -8.10	104.04 -7.61 -8.87	93.81 -7.58 -11.10	87.12 -7.16 -10.03	88.97 -5.52 -8.19
HOWARD_WT_PWR 323690	94.82 -0.09 -9.70	89.05 -0.08 -8.42	90.02 -0.25 -7.11	87.33 -0.32 -7.75	84.84 -0.23 -8.72	100.65 0.19 -7.33	130.05 1.70 -6.55	142.63 -0.27 -9.71	131.35 -0.87 -7.19	117.65 -1.53 -9.69	107.11 -1.60 -9.12	95.54 -1.91 -10.46	92.13 -2.34 -11.02	90.87 -2.04 -11.11	89.59 -2.06 -12.41	100.73 -1.47 -10.74	110.56 -1.43 -9.64	143.64 0.53 -11.57	134.74 0.00 -9.07	123.40 -0.57 -9.83	112.31 -1.23 -10.76	101.71 -1.62 -13.04	94.18 -1.85 -11.78	95.06 -0.86 -9.63
HQ_GEN_CEDARS 23644	80.94 -4.26 0.00	76.67 -4.04 0.00	78.99 -4.16 0.00	75.98 -3.92 0.00	72.53 -3.82 0.00	88.39 -4.75 0.00	114.85 -6.94 0.00	125.87 -7.33 0.00	118.15 -6.88 0.00	104.35 -5.15 0.00	94.71 -4.88 0.00	82.91 -4.09 0.00	79.78 -3.67 0.00	78.20 -3.60 0.00	75.83 -3.41 0.00	86.88 -4.57 0.00	97.55 -4.81 0.00	124.17 -7.37 0.00	118.76 -6.91 0.00	108.55 -5.59 0.00	97.84 -4.93 0.00	85.96 -4.33 0.00	80.55 -3.71 0.00	82.15 -4.14 0.00
HQ_GEN_CEDARS_PROXY 323590	80.95 -4.26 0.00	76.68 -4.03 0.00	79.00 -4.16 0.00	75.99 -3.91 0.00	72.53 -3.82 0.00	88.29 -4.85 0.00	114.85 -6.94 0.00	125.87 -7.33 0.00	118.15 -6.88 0.00	104.35 -5.14 0.00	94.81 -4.78 0.00	82.91 -4.09 0.00	79.78 -3.67 0.00	78.20 -3.60 0.00	75.84 -3.41 0.00	86.89 -4.57 0.00	97.65 -4.71 0.00	124.30 -7.23 0.00	119.00 -6.66 0.00	108.78 -5.36 0.00	98.05 -4.73 0.00	86.14 -4.15 0.00	80.55 -3.71 0.00	82.24 -4.05 0.00

HQ_GEN_IMPORT 323601	82.99 -2.22 0.00	78.61 -2.10 0.00	80.99 -2.16 0.00	77.91 -1.99 0.00	74.44 -1.91 0.00	90.71 -2.42 0.00	118.26 -3.54 0.00	129.60 -3.59 0.00	121.66 -3.37 0.00	106.76 -2.73 0.00	97.10 -2.49 0.00	85.00 -2.00 0.00	81.69 -1.76 0.00	80.00 -1.80 0.00	77.57 -1.67 0.00	89.17 -2.28 0.00	99.90 -2.46 0.00	127.85 -3.68 0.00	122.40 -3.27 0.00	111.40 -2.74 0.00	100.42 -2.36 0.00	88.22 -2.07 0.00	82.40 -1.85 0.00	84.22 -2.07 0.00
HQ_GEN_WHEEL 23651	82.99 -2.22 0.00	78.61 -2.10 0.00	80.99 -2.16 0.00	77.91 -1.99 0.00	74.44 -1.91 0.00	90.71 -2.42 0.00	118.26 -3.54 0.00	129.60 -3.59 0.00	121.66 -3.37 0.00	106.76 -2.73 0.00	97.10 -2.49 0.00	85.00 -2.00 0.00	81.69 -1.76 0.00	80.00 -1.80 0.00	77.57 -1.67 0.00	89.17 -2.28 0.00	99.90 -2.46 0.00	127.85 -3.68 0.00	122.40 -3.27 0.00	111.40 -2.74 0.00	100.42 -2.36 0.00	88.22 -2.07 0.00	82.40 -1.85 0.00	84.22 -2.07 0.00
HUDSON_AVE_GT_3 23810	138.52 7.67 -45.65	127.78 7.43 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.59 8.94 -34.52	163.73 11.08 -30.86	208.52 12.39 -62.94	198.03 11.75 -61.25	197.43 10.18 -77.75	201.00 9.36 -92.05	203.46 8.18 -108.29	187.79 7.76 -96.58	187.81 7.61 -98.40	187.82 7.29 -101.28	223.69 8.41 -123.81	215.15 9.42 -103.38	270.50 12.23 -126.73	253.32 11.69 -115.97	219.60 10.50 -94.96	203.89 9.46 -91.65	179.02 8.49 -80.24	168.12 8.00 -75.86	139.61 8.03 -45.29
HUDSON_AVE_GT_4 23540	138.52 7.67 -45.65	127.78 7.43 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.59 8.94 -34.52	163.73 11.08 -30.86	208.52 12.39 -62.94	198.03 11.75 -61.25	197.43 10.18 -77.75	201.00 9.36 -92.05	203.46 8.18 -108.29	187.79 7.76 -96.58	187.81 7.61 -98.40	187.82 7.29 -101.28	223.69 8.41 -123.81	215.15 9.42 -103.38	270.50 12.23 -126.73	253.32 11.69 -115.97	219.60 10.50 -94.96	203.89 9.46 -91.65	179.02 8.49 -80.24	168.12 8.00 -75.86	139.61 8.03 -45.29
HUDSON_AVE_GT_5 23657	138.52 7.67 -45.65	127.78 7.43 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.59 8.94 -34.52	163.73 11.08 -30.86	208.52 12.39 -62.94	198.03 11.75 -61.25	197.43 10.18 -77.75	201.00 9.36 -92.05	203.46 8.18 -108.29	187.79 7.76 -96.58	187.81 7.61 -98.40	187.82 7.29 -101.28	223.69 8.41 -123.81	215.15 9.42 -103.38	270.50 12.23 -126.73	253.32 11.69 -115.97	219.60 10.50 -94.96	203.89 9.46 -91.65	179.02 8.49 -80.24	168.12 8.00 -75.86	139.61 8.03 -45.29
HUDSON_AVE_10 24168	138.43 7.58 -45.65	127.70 7.34 -39.64	124.12 7.48 -33.48	123.49 7.11 -36.48	124.26 6.87 -41.04	136.50 8.85 -34.52	163.73 11.08 -30.86	208.52 12.39 -62.94	198.03 11.75 -61.25	197.32 10.07 -77.75	200.80 9.16 -92.05	203.29 8.00 -108.29	187.62 7.59 -96.58	187.65 7.44 -98.40	187.66 7.13 -101.28	223.50 8.23 -123.81	214.95 9.21 -103.38	270.37 12.10 -126.73	253.20 11.56 -115.97	219.60 10.50 -94.96	203.79 9.35 -91.65	178.93 8.40 -80.24	168.12 8.00 -75.86	139.61 8.03 -45.29
HUDSON___115KV_TB 4 355613	144.99 4.69 -55.10	132.84 4.28 -47.85	128.06 4.49 -40.41	128.17 4.23 -44.03	130.01 4.12 -49.54	139.27 4.47 -41.66	166.46 7.43 -37.24	195.13 6.79 -55.15	170.69 6.25 -39.41	167.43 4.82 -53.11	153.78 4.18 -50.01	147.69 3.39 -57.30	147.09 3.25 -60.39	145.79 3.11 -60.88	150.48 3.25 -67.99	154.34 4.02 -58.86	160.16 5.02 -52.79	204.16 7.23 -65.39	183.97 7.04 -51.26	176.05 6.39 -55.52	169.15 5.55 -60.82	168.57 4.61 -73.66	154.87 4.04 -66.57	145.69 5.01 -54.38
HUNTER MOUNT___DRP 323613	143.59 4.69 -53.70	131.55 4.20 -46.64	127.03 4.49 -39.39	127.05 4.23 -42.92	128.75 4.12 -48.28	138.21 4.47 -40.61	165.88 7.79 -36.29	194.14 7.19 -53.75	170.07 6.63 -38.41	166.08 4.82 -51.77	152.51 4.18 -48.74	146.15 3.31 -55.85	145.48 3.17 -58.86	144.25 3.11 -59.34	148.76 3.25 -66.27	152.85 4.02 -57.37	159.13 5.32 -51.45	203.15 8.02 -63.59	183.18 7.67 -49.85	175.09 6.96 -53.99	167.78 5.86 -59.15	166.81 4.88 -71.63	153.12 4.13 -64.74	144.19 5.01 -52.88
HUNTINGTON_RES_REC 323705	143.47 8.70 -49.57	138.91 8.64 -49.56	127.26 8.90 -35.21	128.07 8.47 -39.71	139.01 8.09 -54.57	143.56 9.87 -40.56	160.08 10.84 -27.46	177.08 11.58 -32.31	164.29 10.87 -28.39	159.50 8.76 -41.24	151.91 8.46 -43.86	146.01 8.61 -50.40	145.04 8.34 -53.25	145.57 8.10 -55.67	145.57 7.85 -58.48	152.43 8.59 -52.37	158.61 9.62 -46.64	219.81 12.76 -75.52	201.92 12.19 -64.06	173.72 10.39 -49.20	161.97 9.35 -49.84	161.17 8.22 -62.65	150.07 8.42 -57.39	148.04 8.71 -53.03
HUNTLEY___63 23557	88.41 -3.66 -6.87	83.12 -3.55 -5.96	84.45 -3.74 -5.04	81.63 -3.76 -5.49	79.08 -3.44 -6.17	94.32 -4.00 -5.19	121.80 -4.63 -4.64	132.07 -7.99 -6.87	122.28 -7.63 -4.88	108.73 -7.34 -6.57	99.10 -6.67 -6.19	87.74 -6.35 -7.09	84.41 -6.51 -7.48	83.04 -6.30 -7.54	81.40 -6.26 -8.42	92.71 -6.04 -7.29	102.34 -6.55 -6.53	131.77 -7.89 -8.12	124.75 -7.29 -6.37	113.84 -7.19 -6.90	103.34 -6.99 -7.55	92.47 -7.04 -9.21	86.34 -6.23 -8.32	88.87 -4.23 -6.80
HUNTLEY___64 23558	88.41 -3.66 -6.87	83.12 -3.55 -5.96	84.45 -3.74 -5.04	81.63 -3.76 -5.49	79.08 -3.44 -6.17	94.32 -4.00 -5.19	121.80 -4.63 -4.64	132.07 -7.99 -6.87	122.28 -7.63 -4.88	108.73 -7.34 -6.57	99.10 -6.67 -6.19	87.74 -6.35 -7.09	84.41 -6.51 -7.48	83.04 -6.30 -7.54	81.40 -6.26 -8.42	92.71 -6.04 -7.29	102.34 -6.55 -6.53	131.77 -7.89 -8.12	124.75 -7.29 -6.37	113.84 -7.19 -6.90	103.34 -6.99 -7.55	92.47 -7.04 -9.21	86.34 -6.23 -8.32	88.87 -4.23 -6.80
HUNTLEY___65 23559	88.41 -3.66 -6.87	83.12 -3.55 -5.96	84.45 -3.74 -5.04	81.63 -3.76 -5.49	79.08 -3.44 -6.17	94.32 -4.00 -5.19	121.80 -4.63 -4.64	132.07 -7.99 -6.87	122.28 -7.63 -4.88	108.73 -7.34 -6.57	99.10 -6.67 -6.19	87.74 -6.35 -7.09	84.41 -6.51 -7.48	83.04 -6.30 -7.54	81.40 -6.26 -8.42	92.71 -6.04 -7.29	102.34 -6.55 -6.53	131.77 -7.89 -8.12	124.75 -7.29 -6.37	113.84 -7.19 -6.90	103.34 -6.99 -7.55	92.47 -7.04 -9.21	86.34 -6.23 -8.32	88.87 -4.23 -6.80
HUNTLEY___66 23560	88.41 -3.66 -6.87	83.12 -3.55 -5.96	84.45 -3.74 -5.04	81.63 -3.76 -5.49	79.08 -3.44 -6.17	94.32 -4.00 -5.19	121.80 -4.63 -4.64	132.07 -7.99 -6.87	122.28 -7.63 -4.88	108.73 -7.34 -6.57	99.10 -6.67 -6.19	87.74 -6.35 -7.09	84.41 -6.51 -7.48	83.04 -6.30 -7.54	81.40 -6.26 -8.42	92.71 -6.04 -7.29	102.34 -6.55 -6.53	131.77 -7.89 -8.12	124.75 -7.29 -6.37	113.84 -7.19 -6.90	103.34 -6.99 -7.55	92.47 -7.04 -9.21	86.34 -6.23 -8.32	88.87 -4.23 -6.80
HUNTLEY___67 23561	87.80 -4.43 -7.02	82.61 -4.20 -6.10	83.90 -4.41 -5.15	81.12 -4.39 -5.61	78.62 -4.05 -6.31	93.79 -4.66 -5.31	121.06 -5.48 -4.75	131.43 -8.79 -7.03	121.52 -8.50 -4.99	108.23 -7.99 -6.73	98.65 -7.27 -6.33	87.38 -6.87 -7.26	84.09 -7.01 -7.65	82.64 -6.87 -7.71	81.12 -6.74 -8.61	92.33 -6.58 -7.46	101.78 -7.27 -6.69	130.90 -8.94 -8.31	124.01 -8.17 -6.52	113.32 -7.88 -7.06	102.90 -7.61 -7.73	92.14 -7.58 -9.42	86.11 -6.66 -8.52	88.42 -4.83 -6.96
HUNTLEY___68 23562	87.80 -4.43 -7.02	82.61 -4.20 -6.10	83.90 -4.41 -5.15	81.12 -4.39 -5.61	78.62 -4.05 -6.31	93.79 -4.66 -5.31	121.06 -5.48 -4.75	131.43 -8.79 -7.03	121.52 -8.50 -4.99	108.23 -7.99 -6.73	98.65 -7.27 -6.33	87.38 -6.87 -7.26	84.09 -7.01 -7.65	82.64 -6.87 -7.71	81.12 -6.74 -8.61	92.33 -6.58 -7.46	101.78 -7.27 -6.69	130.90 -8.94 -8.31	124.01 -8.17 -6.52	113.32 -7.88 -7.06	102.90 -7.61 -7.73	92.14 -7.58 -9.42	86.11 -6.66 -8.52	88.42 -4.83 -6.96



HYLAND___LFGE 323620	96.59 3.49 -7.89	90.55 2.99 -6.85	91.85 2.91 -5.79	88.84 2.63 -6.31	86.11 2.67 -7.09	103.20 4.09 -5.97	134.55 7.43 -5.33	147.75 6.66 -7.90	136.23 5.50 -5.70	120.36 3.18 -7.69	109.31 2.49 -7.24	96.86 1.57 -8.29	93.19 1.00 -8.74	91.84 1.23 -8.81	90.27 1.19 -9.84	103.18 3.20 -8.52	114.20 4.20 -7.65	148.96 8.02 -9.40	140.07 7.03 -7.37	127.94 5.82 -7.98	116.04 4.52 -8.75	103.96 3.07 -10.59	96.44 2.61 -9.57	97.48 3.36 -7.82
INDECK___CORINTH 23802	150.14 6.65 -58.29	137.46 6.13 -50.62	131.47 5.57 -42.75	131.75 5.27 -46.58	133.49 4.74 -52.40	142.61 5.40 -44.07	171.04 9.86 -39.39	202.19 10.66 -58.34	176.73 10.01 -41.69	174.11 8.43 -56.19	159.56 7.07 -52.90	153.79 6.18 -60.62	153.26 5.93 -63.88	152.01 5.81 -64.40	156.87 5.71 -71.92	160.59 6.86 -62.26	166.46 8.29 -55.81	212.56 11.70 -69.33	191.08 11.06 -54.35	182.93 9.93 -58.86	175.58 8.32 -64.48	175.35 6.95 -78.10	160.82 5.98 -70.58	149.74 5.78 -57.66
INDECK___ILION 23567	87.76 2.56 0.00	83.05 2.34 0.00	85.56 2.41 0.00	82.22 2.32 0.00	78.56 2.21 0.00	96.02 2.89 0.00	125.81 4.02 0.00	137.59 4.40 0.00	129.16 4.13 0.00	113.00 3.50 0.00	102.67 3.09 0.00	89.69 2.70 0.00	85.95 2.50 0.00	84.17 2.37 0.00	81.54 2.30 0.00	94.38 2.93 0.00	105.84 3.48 0.00	136.01 4.47 0.00	129.82 4.15 0.00	117.68 3.54 0.00	105.86 3.08 0.00	92.92 2.62 0.00	86.53 2.27 0.00	88.63 2.33 0.00
INDECK___OLEAN 23982	87.93 -5.54 -8.26	82.64 -5.24 -7.18	83.81 -5.40 -6.06	81.07 -5.44 -6.60	78.51 -5.27 -7.43	93.52 -5.86 -6.25	120.92 -6.46 -5.59	133.21 -8.26 -8.27	122.88 -7.87 -5.73	109.88 -7.34 -7.72	100.18 -6.67 -7.27	88.98 -6.35 -8.33	85.72 -6.51 -8.78	84.35 -6.30 -8.85	82.86 -6.26 -9.88	93.70 -6.31 -8.55	102.87 -7.17 -7.68	132.05 -9.34 -9.85	124.22 -9.17 -7.72	113.82 -8.68 -8.36	103.51 -8.43 -9.16	93.63 -7.77 -11.10	87.04 -7.25 -10.03	88.79 -5.70 -8.19
INDECK___OSWEGO 23783	87.40 -1.37 -3.57	82.43 -1.37 -3.10	84.35 -1.41 -2.62	81.39 -1.36 -2.85	78.26 -1.30 -3.21	94.16 -1.67 -2.70	122.38 -1.82 -2.41	134.90 -1.86 -3.57	125.70 -1.87 -2.54	111.06 -1.86 -3.43	101.02 -1.79 -3.23	89.13 -1.56 -3.70	85.68 -1.67 -3.90	84.17 -1.56 -3.93	82.05 -1.58 -4.39	93.79 -1.47 -3.80	104.03 -1.74 -3.41	134.06 -1.71 -4.23	127.11 -1.88 -3.32	115.90 -1.83 -3.60	104.87 -1.85 -3.94	93.44 -1.62 -4.77	86.88 -1.68 -4.31	88.35 -1.47 -3.52
INDECK___YERKES 23781	88.41 -3.66 -6.87	83.12 -3.55 -5.96	84.53 -3.66 -5.04	81.71 -3.67 -5.49	78.93 -3.59 -6.17	94.42 -3.91 -5.19	121.32 -5.11 -4.64	131.94 -8.13 -6.87	122.04 -7.87 -4.88	108.62 -7.45 -6.57	99.00 -6.78 -6.19	87.65 -6.44 -7.09	84.33 -6.59 -7.48	83.04 -6.30 -7.54	81.31 -6.34 -8.42	92.62 -6.13 -7.29	101.73 -7.17 -6.54	131.16 -8.55 -8.18	123.41 -8.67 -6.41	112.86 -8.22 -6.94	102.47 -7.91 -7.61	92.11 -7.40 -9.21	86.26 -6.32 -8.32	88.52 -4.58 -6.80
INDIAN POINT_GT_1 24139	136.77 6.48 -45.09	126.17 6.30 -39.16	122.63 6.40 -33.08	122.09 6.15 -36.04	122.85 5.96 -40.54	134.78 7.54 -34.10	161.65 9.38 -30.48	189.61 10.39 -46.03	168.77 10.00 -33.74	162.73 8.54 -44.69	150.31 7.97 -42.76	142.96 6.87 -49.09	141.81 6.51 -51.85	140.50 6.38 -52.32	142.61 6.10 -57.27	149.39 7.04 -50.89	156.54 7.88 -46.30	211.39 10.26 -69.59	193.67 9.80 -58.20	179.36 8.90 -56.32	162.92 8.02 -52.12	159.13 7.22 -61.61	146.77 6.74 -55.78	137.73 6.73 -44.70
INDIAN POINT_GT_2 23659	136.77 6.48 -45.09	126.17 6.30 -39.16	122.63 6.40 -33.08	122.09 6.15 -36.04	122.85 5.96 -40.54	134.78 7.54 -34.10	161.65 9.38 -30.48	189.61 10.39 -46.03	168.77 10.00 -33.74	162.73 8.54 -44.69	150.31 7.97 -42.76	142.96 6.87 -49.09	141.81 6.51 -51.85	140.50 6.38 -52.32	142.61 6.10 -57.27	149.39 7.04 -50.89	156.54 7.88 -46.30	211.39 10.26 -69.59	193.67 9.80 -58.20	179.36 8.90 -56.32	162.92 8.02 -52.12	159.13 7.22 -61.61	146.77 6.74 -55.78	137.73 6.73 -44.70
INDIAN POINT_GT_3 24019	136.77 6.48 -45.09	126.17 6.30 -39.16	122.63 6.40 -33.08	122.09 6.15 -36.04	122.85 5.96 -40.54	134.78 7.54 -34.10	161.65 9.38 -30.48	189.61 10.39 -46.03	168.77 10.00 -33.74	162.73 8.54 -44.69	150.31 7.97 -42.76	142.96 6.87 -49.09	141.81 6.51 -51.85	140.50 6.38 -52.32	142.61 6.10 -57.27	149.39 7.04 -50.89	156.54 7.88 -46.30	211.39 10.26 -69.59	193.67 9.80 -58.20	179.36 8.90 -56.32	162.92 8.02 -52.12	159.13 7.22 -61.61	146.77 6.74 -55.78	137.73 6.73 -44.70
INDIAN POINT___2 23530	136.05 6.30 -44.54	125.52 6.13 -38.68	122.13 6.32 -32.67	121.49 6.00 -35.59	122.19 5.80 -40.04	134.26 7.45 -33.67	161.40 9.51 -30.10	188.88 10.26 -45.43	168.18 9.88 -33.27	162.03 8.43 -44.10	149.53 7.77 -42.17	142.02 6.61 -48.42	140.91 6.34 -51.12	139.53 6.14 -51.59	141.61 5.86 -56.51	148.49 6.86 -50.17	155.74 7.68 -45.70	209.66 9.99 -68.14	192.08 9.55 -56.87	177.93 8.56 -55.23	161.81 7.61 -51.42	158.00 6.86 -60.84	145.82 6.49 -55.08	136.94 6.48 -44.17
INDIAN POINT___3 23531	136.69 6.39 -45.10	126.09 6.21 -39.17	122.55 6.32 -33.08	121.93 5.99 -36.04	122.77 5.88 -40.55	134.69 7.45 -34.10	161.53 9.26 -30.48	189.32 10.12 -46.00	168.47 9.75 -33.68	162.46 8.32 -44.64	150.04 7.77 -42.69	142.71 6.70 -49.01	141.55 6.34 -51.76	140.24 6.22 -52.23	142.31 5.86 -57.21	149.10 6.86 -50.78	156.11 7.57 -46.18	210.38 9.87 -68.98	192.66 9.43 -57.57	178.60 8.56 -55.90	162.53 7.71 -52.04	158.83 6.95 -61.58	146.48 6.49 -55.74	137.56 6.56 -44.70
INGHAM_C_115KV_TB7 356103	88.87 3.66 0.00	84.10 3.39 0.00	86.64 3.49 0.00	83.18 3.28 0.00	79.48 3.13 0.00	97.14 4.00 0.00	127.39 5.60 0.00	139.32 6.13 0.00	130.66 5.63 0.00	114.31 4.82 0.00	103.97 4.38 0.00	90.65 3.65 0.00	86.87 3.42 0.00	85.07 3.27 0.00	82.41 3.17 0.00	95.48 4.02 0.00	107.17 4.81 0.00	137.72 6.18 0.00	131.32 5.66 0.00	118.93 4.79 0.00	106.89 4.11 0.00	93.91 3.61 0.00	87.37 3.12 0.00	89.49 3.19 0.00
IP CORINTH___1 23988	150.14 6.65 -58.29	137.46 6.13 -50.62	131.47 5.57 -42.75	131.75 5.27 -46.58	133.56 4.81 -52.40	142.61 5.40 -44.07	171.17 9.99 -39.39	202.19 10.66 -58.34	176.84 10.13 -41.69	174.11 8.43 -56.18	159.66 7.17 -52.90	153.79 6.18 -60.61	153.26 5.92 -63.88	152.01 5.81 -64.40	156.87 5.71 -71.92	160.58 6.86 -62.26	166.59 8.39 -55.84	212.70 11.84 -69.33	191.33 11.31 -54.35	183.05 10.04 -58.87	175.69 8.43 -64.48	175.35 6.95 -78.10	160.82 5.98 -70.58	149.74 5.78 -57.66
IP___TICONDEROGA 23804	153.57 10.14 -58.22	140.64 9.36 -50.56	134.75 8.90 -42.70	134.74 8.31 -46.53	136.41 7.71 -52.35	145.91 8.75 -44.02	178.07 16.93 -39.35	209.72 18.25 -58.27	183.80 17.13 -41.64	179.96 14.34 -56.12	164.58 12.15 -52.84	157.98 10.44 -60.55	157.19 9.93 -63.81	155.95 9.82 -64.33	160.83 9.75 -71.84	165.18 11.52 -62.20	172.26 14.13 -55.78	220.78 19.99 -69.25	198.93 18.98 -54.29	189.83 16.89 -58.80	181.37 14.18 -64.41	180.14 11.83 -78.02	164.96 10.19 -70.51	153.82 9.92 -57.60
ISLIP_RES_REC 323679	146.02 11.25 -49.57	141.16 10.89 -49.56	129.42 11.06 -35.21	130.15 10.55 -39.71	141.15 10.23 -54.57	146.63 12.94 -40.56	166.43 14.98 -29.66	190.71 15.71 -41.81	171.98 14.50 -32.46	164.74 11.83 -43.42	155.10 11.65 -43.86	148.62 11.23 -50.40	147.63 10.93 -53.25	148.03 10.56 -55.67	148.10 10.38 -58.48	155.64 11.80 -52.38	163.03 13.21 -47.46	224.42 17.36 -75.52	206.19 16.46 -64.07	184.70 14.03 -56.53	167.48 12.53 -52.17	163.96 11.01 -62.66	152.52 10.87 -57.39	150.38 11.05 -53.03

JAMAICA__27_KV_LOAD 355505	139.12 8.26 -45.65	128.42 8.07 -39.64	124.78 8.15 -33.48	124.13 7.75 -36.48	124.87 7.48 -41.04	137.34 9.69 -34.52	165.07 12.42 -30.86	210.12 13.99 -62.94	199.66 13.38 -61.25	198.74 11.50 -77.75	201.49 9.86 -92.05	203.81 8.53 -108.29	188.13 8.09 -96.58	188.22 8.02 -98.40	188.13 7.61 -101.28	224.14 8.87 -123.81	215.97 10.24 -103.38	271.95 13.68 -126.73	254.70 13.07 -115.97	221.19 12.10 -94.96	204.71 10.28 -91.65	180.11 9.57 -80.24	169.04 8.93 -75.86	140.82 9.23 -45.29
JANIS__SOLAR 323808	103.50 5.71 -12.59	96.89 5.24 -10.94	97.79 5.40 -9.24	95.32 5.35 -10.06	92.93 5.26 -11.32	109.73 7.07 -9.52	141.50 11.20 -8.51	158.31 12.52 -12.60	144.49 10.37 -9.09	129.85 8.10 -12.26	118.09 6.97 -11.54	105.87 5.65 -13.22	102.30 4.92 -13.93	101.00 5.16 -14.05	99.84 4.91 -15.69	111.90 6.86 -13.58	122.94 8.40 -12.19	158.89 12.23 -15.12	149.07 11.55 -11.85	136.67 9.70 -12.84	125.07 8.23 -14.06	114.28 6.95 -17.03	105.21 5.56 -15.39	104.74 5.87 -12.57
JARVIS____ 23743	86.56 1.36 0.00	82.00 1.29 0.00	84.48 1.33 0.00	81.17 1.27 0.00	77.57 1.22 0.00	94.72 1.58 0.00	123.99 2.19 0.00	135.59 2.40 0.00	127.28 2.25 0.00	111.35 1.86 0.00	101.28 1.69 0.00	88.48 1.48 0.00	84.78 1.33 0.00	83.10 1.30 0.00	80.50 1.26 0.00	93.11 1.65 0.00	104.10 1.74 0.00	133.91 2.37 0.00	127.80 2.13 0.00	115.96 1.82 0.00	104.42 1.64 0.00	91.74 1.44 0.00	85.43 1.18 0.00	87.59 1.30 0.00
JENNISON____1 23625	107.94 6.56 -16.18	100.89 6.13 -14.05	101.34 6.32 -11.86	98.98 6.15 -12.93	96.92 6.03 -14.54	113.38 8.01 -12.23	145.15 12.42 -10.93	163.10 13.72 -16.19	148.48 11.88 -11.58	134.73 9.64 -15.60	122.74 8.46 -14.69	110.88 7.05 -16.83	107.58 6.34 -17.78	106.11 6.38 -17.93	105.36 6.10 -20.02	116.84 8.05 -17.33	127.42 9.52 -15.55	163.88 13.02 -19.32	153.38 12.57 -15.15	141.27 10.73 -16.41	130.00 9.25 -17.97	119.82 7.77 -21.76	110.23 6.32 -19.66	109.00 6.64 -16.06
JENNISON____2 23626	107.94 6.56 -16.18	100.89 6.13 -14.05	101.34 6.32 -11.86	98.98 6.15 -12.93	96.92 6.03 -14.54	113.38 8.01 -12.23	145.15 12.42 -10.93	163.10 13.72 -16.19	148.48 11.88 -11.58	134.73 9.64 -15.60	122.74 8.46 -14.69	110.88 7.05 -16.83	107.58 6.34 -17.78	106.11 6.38 -17.93	105.36 6.10 -20.02	116.84 8.05 -17.33	127.42 9.52 -15.55	163.88 13.02 -19.32	153.38 12.57 -15.15	141.27 10.73 -16.41	130.00 9.25 -17.97	119.82 7.77 -21.76	110.23 6.32 -19.66	109.00 6.64 -16.06
JERICOHO_RISE_WT_PWR 323719	83.50 -1.70 0.00	79.17 -1.54 0.00	81.49 -1.66 0.00	78.46 -1.44 0.00	74.98 -1.37 0.00	91.55 -1.58 0.00	118.51 -3.28 0.00	129.73 -3.46 0.00	121.53 -3.50 0.00	107.53 -1.97 0.00	97.69 -1.90 0.00	85.34 -1.66 0.00	82.11 -1.34 0.00	80.41 -1.39 0.00	78.05 -1.19 0.00	89.36 -2.10 0.00	100.72 -1.64 0.00	127.85 -3.68 0.00	122.53 -3.14 0.00	112.43 -1.71 0.00	101.34 -1.44 0.00	88.76 -1.54 0.00	82.99 -1.26 0.00	85.35 -0.95 0.00
KATONAH__115KV_46KV_TB4 355592	138.99 7.50 -46.29	128.09 7.18 -40.20	124.42 7.32 -33.95	123.92 7.03 -36.99	124.61 6.64 -41.62	136.61 8.48 -35.00	163.91 10.84 -31.28	192.02 12.39 -46.44	169.95 11.63 -33.29	164.08 9.96 -44.62	150.96 9.36 -42.01	143.23 8.09 -48.14	142.25 7.76 -51.04	140.78 7.53 -51.46	143.57 7.21 -57.12	149.32 8.41 -49.45	156.42 9.31 -44.75	204.61 12.50 -60.58	186.40 11.94 -48.79	175.32 10.73 -50.45	163.80 9.66 -51.36	161.09 8.76 -62.04	148.23 7.92 -56.05	139.83 7.85 -45.68
KCE_NY_1 323755	149.21 5.87 -58.13	136.60 5.41 -50.49	131.12 5.33 -42.64	131.39 5.04 -46.46	133.35 4.74 -52.27	142.68 5.59 -43.95	170.22 9.14 -39.29	201.24 9.86 -58.19	175.86 9.25 -41.58	173.31 7.77 -56.04	159.12 6.78 -52.76	153.37 5.92 -60.46	152.84 5.68 -63.72	151.60 5.57 -64.23	156.44 5.46 -71.73	160.05 6.49 -62.10	165.70 7.68 -55.66	211.21 10.53 -69.14	189.80 9.93 -54.20	181.76 8.91 -58.71	174.70 7.61 -64.31	174.70 6.51 -77.90	160.39 5.73 -70.40	149.50 5.69 -57.51
KCE_NY_6_ESR 323823	88.78 -3.75 -7.32	83.44 -3.63 -6.36	84.78 -3.74 -5.37	82.00 -3.75 -5.85	79.27 -3.66 -6.58	94.67 -4.00 -5.54	121.99 -4.75 -4.95	133.20 -7.33 -7.33	122.97 -7.25 -5.20	109.71 -6.79 -7.00	100.00 -6.17 -6.59	88.63 -5.92 -7.55	85.32 -6.09 -7.96	84.02 -5.81 -8.03	82.34 -5.86 -8.96	93.55 -5.67 -7.76	102.77 -6.55 -6.96	132.37 -7.89 -8.72	124.59 -7.91 -6.84	114.01 -7.54 -7.41	103.60 -7.29 -8.11	93.17 -6.95 -9.83	87.15 -5.98 -8.88	89.24 -4.31 -7.25
KEDC_PORT_JEFF_GT2 24210	145.17 10.39 -49.57	140.36 10.09 -49.56	128.58 10.22 -35.21	129.43 9.82 -39.71	140.46 9.54 -54.57	145.43 11.74 -40.56	163.72 12.43 -29.50	187.34 13.06 -41.08	169.18 12.00 -32.15	162.60 9.86 -43.24	153.50 10.05 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	146.96 9.48 -55.67	146.99 9.27 -58.48	154.17 10.33 -52.38	160.81 11.06 -47.40	221.53 14.47 -75.52	203.43 13.70 -64.07	181.75 11.65 -55.97	165.15 10.38 -51.99	162.34 9.39 -62.65	151.41 9.77 -57.39	149.33 10.01 -53.03
KEDC_PORT_JEFF_GT3 24211	145.17 10.39 -49.57	140.36 10.09 -49.56	128.58 10.22 -35.21	129.43 9.82 -39.71	140.46 9.54 -54.57	145.43 11.74 -40.56	163.72 12.43 -29.50	187.34 13.06 -41.08	169.18 12.00 -32.15	162.60 9.86 -43.24	153.50 10.05 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	146.96 9.48 -55.67	146.99 9.27 -58.48	154.17 10.33 -52.38	160.81 11.06 -47.40	221.53 14.47 -75.52	203.43 13.70 -64.07	181.75 11.65 -55.97	165.15 10.38 -51.99	162.34 9.39 -62.65	151.41 9.77 -57.39	149.33 10.01 -53.03
KEDC_GLWD_GT4 24219	143.64 8.86 -49.57	138.82 8.55 -49.56	127.00 8.65 -35.21	127.84 8.23 -39.71	138.93 8.01 -54.57	143.85 10.15 -40.56	165.41 12.78 -30.84	193.91 13.85 -46.86	172.78 13.12 -34.62	165.68 10.95 -45.24	153.51 10.05 -43.87	146.71 9.31 -50.40	145.63 8.93 -53.25	146.23 8.76 -55.67	146.12 8.40 -58.48	153.63 9.79 -52.38	161.21 10.96 -47.90	221.66 14.60 -75.52	203.56 13.82 -64.07	186.66 12.09 -60.43	166.97 10.79 -53.41	162.43 9.48 -62.66	150.75 9.10 -57.39	148.47 9.14 -53.03
KEDC_GLWD_GT5 24220	143.64 8.86 -49.57	138.82 8.55 -49.56	127.00 8.65 -35.21	127.84 8.23 -39.71	138.93 8.01 -54.57	143.85 10.15 -40.56	165.41 12.78 -30.84	193.91 13.85 -46.86	172.78 13.12 -34.62	165.68 10.95 -45.24	153.51 10.05 -43.87	146.71 9.31 -50.40	145.63 8.93 -53.25	146.23 8.76 -55.67	146.12 8.40 -58.48	153.63 9.79 -52.38	161.21 10.96 -47.90	221.66 14.60 -75.52	203.56 13.82 -64.07	186.66 12.09 -60.43	166.97 10.79 -53.41	162.43 9.48 -62.66	150.75 9.10 -57.39	148.47 9.14 -53.03
KENSICO____ 23655	137.52 6.82 -45.50	126.84 6.62 -39.51	123.26 6.74 -33.37	122.65 6.39 -36.36	123.51 6.26 -40.91	135.54 8.01 -34.40	162.40 9.87 -30.75	190.72 10.92 -46.61	169.72 10.38 -34.31	163.68 8.87 -45.31	151.43 8.37 -43.48	144.15 7.22 -49.94	143.04 6.84 -52.75	141.75 6.71 -53.24	143.74 6.42 -58.08	150.71 7.41 -51.84	157.93 8.29 -47.28	215.41 10.79 -73.09	197.61 10.30 -61.64	182.14 9.25 -58.76	164.06 8.33 -52.96	160.13 7.49 -62.34	147.78 7.08 -56.45	138.45 7.08 -45.08
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	137.96 8.61 -44.15	127.21 8.15 -38.34	124.18 8.65 -32.38	123.41 8.23 -35.28	124.06 8.02 -39.70	137.04 10.52 -33.38	165.39 13.76 -29.84	191.77 14.38 -44.19	169.49 12.88 -31.58	162.57 10.51 -42.56	149.52 9.86 -40.07	141.09 8.18 -45.92	138.60 6.76 -48.39	136.97 6.38 -48.79	140.22 6.50 -54.48	146.31 7.68 -47.17	152.64 7.98 -42.30	194.16 11.05 -51.58	176.41 10.30 -40.43	167.29 9.36 -43.79	160.11 9.35 -47.97	156.80 8.40 -58.11	144.43 7.67 -52.51	136.79 7.59 -42.90

KIAC_JFK_GT1 23816	138.86 8.01 -45.65	128.10 7.75 -39.64	124.53 7.90 -33.48	123.89 7.51 -36.48	124.64 7.25 -41.04	137.06 9.41 -34.52	164.59 11.94 -30.86	209.59 13.45 -62.94	199.28 13.00 -61.25	198.31 11.06 -77.75	201.19 9.56 -92.05	203.46 8.18 -108.29	187.88 7.84 -96.58	187.89 7.69 -98.40	187.90 7.37 -101.28	223.87 8.60 -123.81	215.56 9.83 -103.38	271.42 13.15 -126.73	254.20 12.57 -115.97	220.74 11.64 -94.96	204.30 9.87 -91.65	179.74 9.21 -80.24	168.79 8.68 -75.86	140.47 8.89 -45.29
KIAC_JFK_GT2 23817	138.86 8.01 -45.65	128.10 7.75 -39.64	124.53 7.90 -33.48	123.89 7.51 -36.48	124.64 7.25 -41.04	137.06 9.41 -34.52	164.59 11.94 -30.86	209.59 13.45 -62.94	199.28 13.00 -61.25	198.31 11.06 -77.75	201.19 9.56 -92.05	203.46 8.18 -108.29	187.88 7.84 -96.58	187.89 7.69 -98.40	187.90 7.37 -101.28	223.87 8.60 -123.81	215.56 9.83 -103.38	271.42 13.15 -126.73	254.20 12.57 -115.97	220.74 11.64 -94.96	204.30 9.87 -91.65	179.74 9.21 -80.24	168.79 8.68 -75.86	140.47 8.89 -45.29
KIAC_JFK____ 323774	138.86 8.01 -45.65	128.10 7.75 -39.64	124.54 7.90 -33.48	123.89 7.51 -36.48	124.65 7.26 -41.04	137.05 9.40 -34.52	165.08 12.43 -30.86	209.73 13.59 -62.94	198.41 12.12 -61.25	197.66 10.41 -77.76	201.10 9.47 -92.05	203.47 8.18 -108.29	187.79 7.76 -96.58	187.81 7.61 -98.40	187.90 7.37 -101.28	223.96 8.69 -123.81	215.70 9.93 -103.41	271.95 13.68 -126.73	254.70 13.07 -115.97	220.62 11.52 -94.96	204.20 9.77 -91.65	179.75 9.21 -80.24	168.71 8.60 -75.86	140.47 8.89 -45.29
KINTIGH____ 23543	87.73 -3.49 -6.02	82.55 -3.39 -5.23	84.07 -3.49 -4.41	81.19 -3.52 -4.81	78.55 -3.21 -5.41	94.05 -3.63 -4.55	121.84 -4.02 -4.07	132.29 -6.93 -6.02	122.56 -6.75 -4.28	108.81 -6.46 -5.78	99.15 -5.88 -5.44	87.57 -5.65 -6.23	84.25 -5.76 -6.56	82.77 -5.64 -6.62	81.08 -5.55 -7.39	92.55 -5.30 -6.40	102.26 -5.83 -5.74	131.56 -7.10 -7.13	124.85 -6.41 -5.59	113.92 -6.28 -6.05	103.35 -6.06 -6.63	92.32 -6.05 -8.07	86.16 -5.39 -7.29	88.37 -3.88 -5.96
KNTFSRNC_46_KV_46KV_LOAD 80397	84.69 -0.51 0.00	80.31 -0.40 0.00	82.65 -0.50 0.00	79.66 -0.24 0.00	76.04 -0.31 0.00	93.14 0.00 0.00	120.09 -1.71 0.00	131.46 -1.73 0.00	123.15 -1.88 0.00	109.39 -0.11 0.00	99.19 -0.40 0.00	86.65 -0.35 0.00	83.53 0.08 0.00	81.64 -0.16 0.00	79.32 0.08 0.00	90.73 -0.73 0.00	102.46 0.10 0.00	129.69 -1.84 0.00	124.16 -1.51 0.00	114.25 0.11 0.00	103.09 0.31 0.00	90.03 -0.27 0.00	84.34 0.08 0.00	86.99 0.69 0.00
LACHUTE____HYDRO 323717	153.56 10.13 -58.22	140.63 9.36 -50.56	134.76 8.90 -42.70	134.74 8.31 -46.53	136.40 7.71 -52.35	145.91 8.75 -44.02	178.06 16.92 -39.35	209.72 18.25 -58.27	183.80 17.13 -41.64	179.96 14.34 -56.13	164.48 12.04 -52.84	157.98 10.44 -60.55	157.19 9.93 -63.81	155.94 9.81 -64.33	160.83 9.74 -71.84	165.18 11.52 -62.20	172.24 14.13 -55.75	220.65 19.86 -69.25	198.68 18.73 -54.29	189.60 16.66 -58.80	181.17 13.98 -64.41	180.14 11.83 -78.02	164.95 10.19 -70.51	153.73 9.83 -57.60
LAWRNCALV_115KV_TB1 80681	80.35 -4.86 0.00	76.11 -4.60 0.00	78.41 -4.74 0.00	75.43 -4.47 0.00	72.00 -4.35 0.00	87.45 -5.68 0.00	113.75 -8.04 0.00	124.94 -8.26 0.00	117.28 -7.75 0.00	103.58 -5.91 0.00	94.01 -5.58 0.00	82.13 -4.87 0.00	79.11 -4.34 0.00	77.55 -4.25 0.00	75.20 -4.04 0.00	86.24 -5.21 0.00	96.83 -5.53 0.00	123.25 -8.29 0.00	117.88 -7.79 0.00	107.63 -6.51 0.00	97.13 -5.65 0.00	85.24 -5.06 0.00	80.04 -4.21 0.00	81.55 -4.75 0.00
LEDERLE____ 23769	135.65 6.56 -43.89	125.20 6.38 -38.12	121.83 6.49 -32.19	121.13 6.15 -35.07	121.84 6.03 -39.46	134.05 7.73 -33.18	161.07 9.62 -29.66	188.58 10.79 -44.59	167.88 10.38 -32.47	161.54 8.87 -43.18	148.91 8.17 -41.16	141.20 6.96 -47.24	139.82 6.51 -49.87	138.49 6.38 -50.31	140.66 6.10 -55.32	147.37 7.04 -48.87	154.54 7.88 -44.30	205.72 10.26 -63.92	188.24 9.80 -52.77	175.41 9.02 -52.25	161.05 8.02 -50.25	157.18 7.13 -59.75	144.98 6.66 -54.07	136.47 6.64 -43.53
LIGHTHSE_115KV_TB6 355974	88.25 -0.26 -3.31	83.26 -0.32 -2.87	85.24 -0.33 -2.43	82.22 -0.32 -2.64	78.94 -0.38 -2.97	95.08 -0.56 -2.50	124.27 0.24 -2.23	136.90 0.40 -3.31	127.52 0.13 -2.37	112.68 0.00 -3.19	102.39 -0.20 -3.00	90.18 -0.26 -3.44	86.65 -0.42 -3.61	85.12 -0.33 -3.64	82.99 -0.32 -4.07	95.26 0.27 -3.52	105.82 0.31 -3.16	136.12 0.66 -3.93	129.38 0.63 -3.08	117.70 0.23 -3.33	106.33 -0.10 -3.65	94.63 -0.09 -4.42	87.83 -0.42 -4.00	89.22 -0.35 -3.27
LINDEN COGEN____ 23786	137.92 7.07 -45.65	127.30 6.94 -39.64	123.70 7.06 -33.48	123.09 6.71 -36.48	123.88 6.49 -41.04	136.04 8.39 -34.52	163.37 10.72 -30.86	207.72 11.58 -62.94	197.41 11.12 -61.25	196.77 9.52 -77.76	200.40 8.77 -92.05	202.95 7.66 -108.29	187.29 7.26 -96.58	187.32 7.11 -98.40	187.34 6.82 -101.28	223.22 7.95 -123.81	214.57 8.80 -103.41	269.58 11.31 -126.73	252.56 10.93 -115.97	218.79 9.70 -94.96	203.16 8.73 -91.65	178.38 7.85 -80.24	167.53 7.42 -75.86	139.01 7.42 -45.29
LINDHRST_69_KV_BK1 356055	144.57 9.80 -49.57	139.71 9.44 -49.56	128.00 9.65 -35.21	128.79 9.19 -39.71	139.85 8.93 -54.57	144.96 11.27 -40.56	164.36 12.30 -30.27	190.92 13.32 -44.41	170.97 12.38 -33.57	163.83 10.18 -44.15	153.60 10.16 -43.86	147.13 9.74 -50.39	146.04 9.35 -53.25	146.96 9.49 -55.67	146.52 8.80 -58.48	153.44 9.60 -52.38	161.26 11.26 -47.65	221.79 14.73 -75.52	203.56 13.82 -64.07	184.54 11.87 -58.53	166.68 11.10 -52.81	163.61 10.66 -62.66	151.84 10.19 -57.39	149.60 10.27 -53.03
LIPA_MISC_IPP 23656	145.00 10.22 -49.57	140.12 9.85 -49.56	128.42 10.06 -35.21	129.19 9.59 -39.71	140.23 9.31 -54.57	145.33 11.64 -40.56	163.34 11.69 -29.86	187.97 12.12 -42.66	168.98 11.13 -32.82	162.07 8.98 -43.60	153.01 9.56 -43.86	147.05 9.66 -50.39	145.96 9.26 -53.25	146.96 9.49 -55.67	146.44 8.72 -58.48	153.07 9.24 -52.38	160.80 10.95 -47.49	220.48 13.42 -75.52	202.18 12.44 -64.07	181.94 10.61 -57.18	165.43 10.28 -52.38	163.88 10.93 -62.66	152.34 10.70 -57.39	150.12 10.79 -53.03
LISF__SOLAR 323691	146.45 11.67 -49.57	141.41 11.14 -49.56	129.66 11.31 -35.21	130.39 10.78 -39.71	141.46 10.54 -54.57	147.01 13.32 -40.56	167.07 15.47 -29.81	192.15 16.51 -42.45	172.88 15.12 -32.73	165.31 12.26 -43.55	155.20 11.75 -43.86	148.62 11.23 -50.40	147.71 11.01 -53.25	148.03 10.56 -55.67	148.18 10.46 -58.48	155.72 11.88 -52.38	163.28 13.41 -47.51	224.42 17.36 -75.52	206.32 16.59 -64.07	185.31 14.15 -57.02	167.74 12.64 -52.33	163.96 11.01 -62.66	152.52 10.87 -57.39	150.29 10.96 -53.03
LITTLE FALLS____HYD 24013	88.87 3.66 0.00	84.10 3.39 0.00	86.64 3.49 0.00	83.18 3.28 0.00	79.48 3.13 0.00	97.14 4.00 0.00	127.39 5.60 0.00	139.32 6.13 0.00	130.66 5.63 0.00	114.31 4.82 0.00	103.97 4.38 0.00	90.65 3.65 0.00	86.87 3.42 0.00	85.07 3.27 0.00	82.41 3.17 0.00	95.48 4.02 0.00	107.17 4.81 0.00	137.72 6.18 0.00	131.32 5.66 0.00	118.93 4.79 0.00	106.89 4.11 0.00	93.91 3.61 0.00	87.37 3.12 0.00	89.49 3.19 0.00
LITTLRIV_115KV_TB1 356100	81.37 -3.83 0.00	77.00 -3.71 0.00	79.33 -3.82 0.00	76.38 -3.52 0.00	72.91 -3.44 0.00	88.67 -4.47 0.00	115.70 -6.09 0.00	127.33 -5.86 0.00	119.53 -5.50 0.00	105.55 -3.94 0.00	95.70 -3.88 0.00	83.60 -3.39 0.00	80.53 -2.92 0.00	78.86 -2.94 0.00	76.47 -2.77 0.00	87.71 -3.75 0.00	98.47 -3.89 0.00	125.22 -6.31 0.00	119.76 -5.91 0.00	109.46 -4.68 0.00	98.67 -4.11 0.00	86.50 -3.79 0.00	81.14 -3.12 0.00	82.50 -3.80 0.00

LI_NEWBRDGE___DRP 323616	142.78 8.01 -49.57	138.02 7.75 -49.56	126.26 7.90 -35.21	127.20 7.59 -39.71	138.25 7.33 -54.57	143.01 9.31 -40.56	162.74 10.11 -30.84	190.97 10.92 -46.86	170.02 10.38 -34.61	162.62 8.65 -44.47	152.01 8.56 -43.86	145.48 8.09 -50.39	144.54 7.84 -53.25	145.32 7.85 -55.67	145.01 7.29 -58.48	151.70 7.87 -52.38	159.33 9.11 -47.86	218.77 11.71 -75.52	200.80 11.06 -64.07	184.27 9.70 -60.43	165.23 9.04 -53.41	161.44 8.49 -62.66	149.90 8.26 -57.39	147.61 8.28 -53.03
LOCKPORT_115KV_TB60_63_64 80432	87.59 -4.17 -6.57	82.38 -4.04 -5.70	83.73 -4.24 -4.82	80.91 -4.23 -5.25	78.36 -3.89 -5.90	93.63 -4.47 -4.96	121.11 -5.12 -4.44	131.24 -8.52 -6.57	121.45 -8.25 -4.67	107.90 -7.88 -6.29	98.34 -7.17 -5.93	86.91 -6.87 -6.79	83.59 -7.01 -7.15	82.14 -6.87 -7.21	80.56 -6.74 -8.05	91.94 -6.49 -6.97	101.55 -7.06 -6.25	130.76 -8.55 -7.77	123.85 -7.92 -6.09	113.09 -7.65 -6.60	102.61 -7.40 -7.23	91.61 -7.49 -8.81	85.56 -6.66 -7.96	88.05 -4.75 -6.50
LOCKPORT___CC1 323769	87.57 -4.26 -6.62	82.35 -4.11 -5.75	83.68 -4.33 -4.86	80.88 -4.32 -5.29	78.18 -4.12 -5.95	93.58 -4.56 -5.01	120.42 -5.84 -4.48	130.90 -8.92 -6.63	120.98 -8.76 -4.71	107.63 -8.21 -6.35	98.09 -7.47 -5.98	86.71 -7.13 -6.85	83.49 -7.18 -7.22	82.12 -6.95 -7.28	80.39 -6.97 -8.13	91.73 -6.77 -7.03	100.38 -8.29 -6.31	129.55 -9.87 -7.89	121.92 -9.93 -6.18	111.59 -9.24 -6.70	101.27 -8.84 -7.33	90.87 -8.31 -8.88	85.21 -7.08 -8.03	87.50 -5.35 -6.56
LOCKPORT___CC2 323770	87.57 -4.26 -6.62	82.35 -4.11 -5.75	83.68 -4.33 -4.86	80.88 -4.32 -5.29	78.18 -4.12 -5.95	93.58 -4.56 -5.01	120.42 -5.84 -4.48	130.90 -8.92 -6.63	120.98 -8.76 -4.71	107.63 -8.21 -6.35	98.09 -7.47 -5.98	86.71 -7.13 -6.85	83.49 -7.18 -7.22	82.12 -6.95 -7.28	80.39 -6.97 -8.13	91.73 -6.77 -7.03	100.38 -8.29 -6.31	129.55 -9.87 -7.89	121.92 -9.93 -6.18	111.59 -9.24 -6.70	101.27 -8.84 -7.33	90.87 -8.31 -8.88	85.21 -7.08 -8.03	87.50 -5.35 -6.56
LOCKPORT___CC3 323771	87.57 -4.26 -6.62	82.35 -4.11 -5.75	83.68 -4.33 -4.86	80.88 -4.32 -5.29	78.18 -4.12 -5.95	93.58 -4.56 -5.01	120.42 -5.84 -4.48	130.90 -8.92 -6.63	120.98 -8.76 -4.71	107.63 -8.21 -6.35	98.09 -7.47 -5.98	86.71 -7.13 -6.85	83.49 -7.18 -7.22	82.12 -6.95 -7.28	80.39 -6.97 -8.13	91.73 -6.77 -7.03	100.38 -8.29 -6.31	129.55 -9.87 -7.89	121.92 -9.93 -6.18	111.59 -9.24 -6.70	101.27 -8.84 -7.33	90.87 -8.31 -8.88	85.21 -7.08 -8.03	87.50 -5.35 -6.56
LONG_LAKE_PHOENIX 24014	88.04 -0.85 -3.68	83.02 -0.89 -3.20	84.94 -0.91 -2.70	81.97 -0.88 -2.94	78.90 -0.76 -3.31	94.80 -1.12 -2.79	123.43 -0.85 -2.49	136.08 -0.80 -3.69	126.79 -0.99 -2.63	112.06 -0.88 -3.55	101.93 -1.00 -3.34	89.87 -0.96 -3.83	86.39 -1.08 -4.03	84.80 -1.06 -4.06	82.74 -1.03 -4.53	94.56 -0.82 -3.92	104.96 -0.92 -3.52	135.25 -0.66 -4.37	128.47 -0.63 -3.43	117.05 -0.80 -3.71	105.92 -0.93 -4.07	94.14 -1.08 -4.93	87.53 -1.18 -4.45	88.90 -1.04 -3.64
LOVETT___3 23632	135.48 6.22 -44.05	125.02 6.05 -38.26	121.62 6.15 -32.31	120.94 5.83 -35.20	121.60 5.65 -39.61	133.71 7.26 -33.31	160.58 9.01 -29.77	187.97 9.99 -44.78	167.18 9.50 -32.65	161.10 8.21 -43.39	148.54 7.57 -41.38	140.84 6.35 -47.49	139.60 6.01 -50.14	138.28 5.89 -50.59	140.46 5.63 -55.60	147.09 6.49 -49.14	154.10 7.17 -44.57	205.52 9.34 -64.65	188.05 8.92 -53.46	175.13 8.22 -52.77	160.69 7.40 -50.51	156.90 6.59 -60.01	144.80 6.23 -54.31	136.21 6.21 -43.70
LOVETT___4 23642	135.48 6.22 -44.05	125.02 6.05 -38.26	121.62 6.15 -32.31	120.94 5.83 -35.20	121.60 5.65 -39.61	133.71 7.26 -33.31	160.58 9.01 -29.77	187.97 9.99 -44.78	167.18 9.50 -32.65	161.10 8.21 -43.39	148.54 7.57 -41.38	140.84 6.35 -47.49	139.60 6.01 -50.14	138.28 5.89 -50.59	140.46 5.63 -55.60	147.09 6.49 -49.14	154.10 7.17 -44.57	205.52 9.34 -64.65	188.05 8.92 -53.46	175.13 8.22 -52.77	160.69 7.40 -50.51	156.90 6.59 -60.01	144.80 6.23 -54.31	136.21 6.21 -43.70
LOVETT___5 23593	135.48 6.22 -44.05	125.02 6.05 -38.26	121.62 6.15 -32.31	120.94 5.83 -35.20	121.60 5.65 -39.61	133.71 7.26 -33.31	160.58 9.01 -29.77	187.97 9.99 -44.78	167.18 9.50 -32.65	161.10 8.21 -43.39	148.54 7.57 -41.38	140.84 6.35 -47.49	139.60 6.01 -50.14	138.28 5.89 -50.59	140.46 5.63 -55.60	147.09 6.49 -49.14	154.10 7.17 -44.57	205.52 9.34 -64.65	188.05 8.92 -53.46	175.13 8.22 -52.77	160.69 7.40 -50.51	156.90 6.59 -60.01	144.80 6.23 -54.31	136.21 6.21 -43.70
LOWER RAQUET___HYD 24057	80.18 -5.03 0.00	75.95 -4.76 0.00	78.25 -4.91 0.00	75.26 -4.64 0.00	71.84 -4.50 0.00	87.08 -6.05 0.00	113.51 -8.29 0.00	124.67 -8.53 0.00	117.03 -8.00 0.00	103.36 -6.13 0.00	93.81 -5.78 0.00	81.95 -5.05 0.00	78.94 -4.51 0.00	77.38 -4.42 0.00	75.04 -4.20 0.00	86.06 -5.40 0.00	96.73 -5.63 0.00	122.99 -8.55 0.00	117.88 -7.79 0.00	107.64 -6.50 0.00	97.13 -5.65 0.00	85.15 -5.14 0.00	79.96 -4.29 0.00	81.55 -4.75 0.00
LOWER___HUDSON 24059	146.90 4.51 -57.19	134.57 4.19 -49.66	129.25 4.16 -41.95	129.67 4.07 -45.70	131.73 3.97 -51.42	141.12 4.75 -43.24	167.13 6.69 -38.65	197.62 7.19 -57.24	172.81 6.87 -40.90	170.64 6.02 -55.13	156.86 5.37 -51.91	151.08 4.61 -59.47	150.55 4.42 -62.68	149.32 4.33 -63.19	154.00 4.20 -70.56	157.58 5.03 -61.09	162.94 5.83 -54.76	207.18 7.63 -68.02	186.15 7.16 -53.32	178.51 6.62 -57.75	171.69 5.65 -63.26	171.72 4.78 -76.64	157.89 4.38 -69.26	147.28 4.40 -56.58
LOWVILLE_115KV_TB2 356335	88.31 1.36 -1.74	83.35 1.13 -1.51	85.68 1.25 -1.28	82.49 1.20 -1.39	79.14 1.22 -1.57	96.32 1.86 -1.32	126.62 3.65 -1.18	139.34 4.40 -1.75	130.03 3.75 -1.25	114.35 3.18 -1.68	103.76 2.59 -1.58	90.73 1.91 -1.81	87.11 1.75 -1.91	85.52 1.80 -1.92	83.13 1.74 -2.15	96.06 2.74 -1.86	107.51 3.48 -1.67	138.21 4.60 -2.07	131.44 4.15 -1.63	119.21 3.31 -1.76	107.48 2.78 -1.93	94.80 2.17 -2.34	87.80 1.43 -2.11	89.23 1.21 -1.72
LUTHERFT_115KV_GLOB_FND_222 355753	149.13 5.79 -58.13	136.60 5.41 -50.49	131.03 5.24 -42.64	131.31 4.95 -46.46	133.35 4.73 -52.27	142.68 5.59 -43.95	170.21 9.13 -39.29	201.10 9.72 -58.19	175.74 9.13 -41.58	173.31 7.77 -56.04	159.12 6.77 -52.76	153.28 5.83 -60.45	152.76 5.59 -63.72	151.51 5.48 -64.23	156.36 5.39 -71.73	159.96 6.40 -62.10	165.63 7.57 -55.69	211.07 10.39 -69.15	189.80 9.93 -54.20	181.75 8.90 -58.71	174.70 7.61 -64.31	174.61 6.41 -77.90	160.38 5.73 -70.40	149.42 5.61 -57.51
LUTHERNY_35_KV_BK2 355980	149.22 5.88 -58.13	136.60 5.41 -50.49	131.11 5.32 -42.64	131.39 5.03 -46.46	133.35 4.73 -52.27	142.68 5.59 -43.95	170.21 9.13 -39.29	201.24 9.86 -58.19	175.86 9.25 -41.58	173.42 7.88 -56.04	159.12 6.77 -52.76	153.37 5.92 -60.45	152.84 5.67 -63.72	151.59 5.56 -64.23	156.44 5.47 -71.73	160.05 6.49 -62.10	165.83 7.78 -55.69	211.20 10.52 -69.15	189.93 10.05 -54.20	181.87 9.02 -58.71	174.80 7.71 -64.31	174.70 6.50 -77.90	160.47 5.81 -70.40	149.50 5.70 -57.51
LWR___OSWEGATCHIE_HYD 23850	83.74 -2.73 -1.26	79.22 -2.58 -1.09	81.41 -2.66 -0.92	78.43 -2.48 -1.01	75.11 -2.37 -1.13	91.11 -2.98 -0.95	119.23 -3.41 -0.85	131.26 -3.20 -1.26	122.68 -3.25 -0.90	108.19 -2.52 -1.21	98.14 -2.59 -1.14	85.87 -2.44 -1.31	82.66 -2.17 -1.38	81.06 -2.13 -1.39	78.73 -2.06 -1.55	90.70 -2.10 -1.34	101.51 -2.05 -1.20	130.01 -3.03 -1.50	123.83 -3.02 -1.17	112.78 -2.63 -1.27	101.70 -2.47 -1.39	89.64 -2.35 -1.69	83.50 -2.27 -1.52	84.87 -2.68 -1.24

LYONS_FALL_HYD 23570	89.19 2.30 -1.68	84.27 2.09 -1.46	86.54 2.16 -1.23	83.32 2.07 -1.35	79.92 2.06 -1.51	97.39 2.98 -1.27	127.92 5.00 -1.14	140.60 5.72 -1.68	131.36 5.13 -1.20	115.38 4.27 -1.62	104.80 3.69 -1.53	91.71 2.96 -1.75	88.04 2.75 -1.84	86.35 2.70 -1.86	83.93 2.61 -2.08	96.92 3.66 -1.80	108.27 4.30 -1.61	139.19 5.65 -2.00	132.39 5.15 -1.57	120.06 4.23 -1.70	108.24 3.60 -1.86	95.62 3.07 -2.26	88.57 2.28 -2.04	90.12 2.16 -1.67
MADISON___COUNTY_LFGE 323628	91.76 3.75 -2.81	86.62 3.47 -2.44	88.87 3.66 -2.06	85.66 3.52 -2.24	82.31 3.44 -2.52	99.82 4.56 -2.12	130.87 7.19 -1.90	143.99 7.99 -2.81	134.29 7.25 -2.01	118.33 6.13 -2.71	107.61 5.48 -2.55	94.44 4.52 -2.92	90.70 4.17 -3.08	88.99 4.09 -3.10	86.59 3.88 -3.46	99.58 5.12 -3.00	110.78 5.73 -2.69	142.38 7.50 -3.34	135.20 6.91 -2.62	122.91 5.94 -2.84	110.92 5.04 -3.11	98.30 4.24 -3.76	91.11 3.45 -3.40	92.61 3.54 -2.78
MALONE___115KV_TB1 356076	83.84 -1.36 0.00	79.50 -1.21 0.00	81.90 -1.25 0.00	78.94 -0.96 0.00	75.35 -0.99 0.00	92.11 -1.02 0.00	118.87 -2.92 0.00	130.26 -2.93 0.00	122.15 -2.88 0.00	108.51 -0.99 0.00	98.39 -1.20 0.00	86.04 -0.96 0.00	82.95 -0.50 0.00	81.15 -0.65 0.00	78.84 -0.40 0.00	90.09 -1.37 0.00	101.54 -0.82 0.00	128.51 -3.03 0.00	122.90 -2.76 0.00	113.00 -1.14 0.00	101.96 -0.82 0.00	89.12 -1.17 0.00	83.58 -0.67 0.00	85.61 -0.69 0.00
MAPLEWOD_115KV_TB3 80458	146.24 4.17 -56.86	133.96 3.87 -49.38	128.85 3.99 -41.70	129.09 3.76 -45.44	131.13 3.66 -51.12	140.22 4.10 -42.99	166.31 6.09 -38.43	196.63 6.53 -56.91	171.95 6.25 -40.67	169.67 5.37 -54.81	155.97 4.78 -51.60	150.21 4.09 -59.13	149.69 3.92 -62.32	148.47 3.84 -62.82	153.20 3.80 -70.16	156.68 4.48 -60.74	162.05 5.22 -54.47	206.13 6.97 -67.62	185.34 6.66 -53.01	177.60 6.05 -57.42	170.92 5.24 -62.90	170.89 4.42 -76.17	157.05 3.96 -68.83	146.84 4.31 -56.23
MAPLE_RIDGE_WT_1 323574	84.01 -1.19 0.00	79.66 -1.05 0.00	81.99 -1.16 0.00	78.78 -1.12 0.00	75.28 -1.07 0.00	91.83 -1.30 0.00	119.84 -1.95 0.00	131.06 -2.14 0.00	123.02 -2.01 0.00	107.96 -1.53 0.00	98.09 -1.49 0.00	85.69 -1.30 0.00	82.28 -1.17 0.00	80.65 -1.15 0.00	78.13 -1.11 0.00	89.99 -1.47 0.00	100.92 -1.43 0.00	129.30 -2.24 0.00	123.65 -2.02 0.00	112.43 -1.71 0.00	101.34 -1.44 0.00	89.03 -1.26 0.00	83.07 -1.18 0.00	85.00 -1.29 0.00
MAPLE_RIDGE_WT_2 323611	84.01 -1.19 0.00	79.66 -1.05 0.00	81.99 -1.16 0.00	78.78 -1.12 0.00	75.28 -1.07 0.00	91.83 -1.30 0.00	119.84 -1.95 0.00	131.06 -2.14 0.00	123.02 -2.01 0.00	107.96 -1.53 0.00	98.09 -1.49 0.00	85.69 -1.30 0.00	82.28 -1.17 0.00	80.65 -1.15 0.00	78.13 -1.11 0.00	89.99 -1.47 0.00	100.92 -1.43 0.00	129.30 -2.24 0.00	123.65 -2.02 0.00	112.43 -1.71 0.00	101.34 -1.44 0.00	89.03 -1.26 0.00	83.07 -1.18 0.00	85.00 -1.29 0.00
MARBLE_RIVER_WT_PWR 323696	83.67 -1.53 0.00	79.34 -1.37 0.00	81.74 -1.41 0.00	78.70 -1.20 0.00	75.12 -1.22 0.00	91.74 -1.39 0.00	118.87 -2.92 0.00	130.14 -3.06 0.00	121.91 -3.12 0.00	107.86 -1.64 0.00	97.89 -1.69 0.00	85.52 -1.48 0.00	82.28 -1.17 0.00	80.58 -1.22 0.00	78.21 -1.03 0.00	89.53 -1.92 0.00	100.92 -1.43 0.00	128.11 -3.42 0.00	122.78 -2.89 0.00	112.65 -1.49 0.00	101.55 -1.23 0.00	88.94 -1.35 0.00	83.16 -1.10 0.00	85.70 -0.60 0.00
MARSHVLE_115KV_TB1 80742	156.47 4.77 -66.49	142.98 4.52 -57.75	136.58 4.66 -48.77	137.35 4.31 -53.14	140.33 4.20 -59.78	148.72 5.31 -50.28	176.72 9.99 -44.94	210.53 10.79 -66.55	182.21 9.63 -47.56	181.26 7.66 -64.10	166.71 6.77 -60.35	161.89 5.74 -69.15	161.92 5.59 -72.88	160.67 5.40 -73.47	166.68 5.39 -82.05	169.35 6.86 -71.04	174.05 7.98 -63.71	222.35 11.71 -79.11	198.62 10.93 -62.02	190.78 9.47 -67.17	184.27 7.91 -73.58	186.46 7.04 -89.12	170.60 5.81 -80.54	157.53 5.44 -65.79
MARSH_HILL_WT_PWR 323713	94.74 0.00 -9.53	88.99 0.00 -8.28	89.98 -0.17 -6.99	87.28 -0.24 -7.62	84.84 -0.08 -8.57	100.62 0.28 -7.21	129.94 1.70 -6.44	142.34 -0.40 -9.54	131.00 -1.13 -7.09	117.42 -1.64 -9.56	106.90 -1.69 -9.00	95.32 -2.00 -10.32	91.90 -2.42 -10.87	90.63 -2.13 -10.96	89.34 -2.14 -12.24	100.50 -1.56 -10.60	110.23 -1.64 -9.51	143.57 0.66 -11.37	134.71 0.13 -8.92	123.34 -0.45 -9.66	112.33 -1.03 -10.58	101.57 -1.54 -12.81	94.15 -1.68 -11.58	95.06 -0.69 -9.46
MCINTYRE_115KV_TB2 80467	81.80 -3.41 0.00	77.40 -3.31 0.00	79.74 -3.41 0.00	76.86 -3.04 0.00	73.52 -2.82 0.00	89.60 -3.54 0.00	116.92 -4.87 0.00	128.53 -4.66 0.00	120.53 -4.50 0.00	106.43 -3.07 0.00	96.70 -2.89 0.00	84.39 -2.61 0.00	81.28 -2.17 0.00	79.67 -2.13 0.00	77.26 -1.98 0.00	88.62 -2.84 0.00	99.49 -2.87 0.00	126.54 -5.00 0.00	121.02 -4.65 0.00	110.60 -3.54 0.00	99.69 -3.08 0.00	87.50 -2.80 0.00	81.81 -2.44 0.00	83.28 -3.02 0.00
MECO___69_KV_BK1 80468	158.62 9.46 -63.96	145.05 8.80 -55.55	139.13 9.06 -46.91	139.48 8.47 -51.11	142.02 8.17 -57.51	151.28 9.78 -48.36	183.53 18.51 -43.23	216.52 19.31 -64.02	188.03 17.25 -45.75	184.84 13.69 -61.66	169.39 11.75 -58.05	163.43 9.92 -66.52	163.57 10.01 -70.11	162.12 9.65 -70.67	167.75 9.59 -78.92	171.95 12.16 -68.33	178.38 14.74 -61.28	228.94 21.31 -76.09	205.30 19.98 -59.65	196.32 17.58 -64.61	188.15 14.59 -70.78	188.66 12.64 -85.72	172.42 10.70 -77.46	160.02 10.44 -63.28
MENANDS___115KV_TB5 355628	145.80 3.83 -56.77	133.56 3.55 -49.30	128.45 3.66 -41.64	128.78 3.52 -45.36	130.74 3.36 -51.04	139.69 3.63 -42.92	165.39 5.24 -38.36	195.60 5.59 -56.82	171.01 5.38 -40.60	168.92 4.71 -54.72	155.29 4.18 -51.52	149.60 3.57 -59.03	149.09 3.42 -62.22	147.87 3.35 -62.72	152.53 3.25 -70.04	156.03 3.93 -60.64	161.24 4.50 -54.38	204.96 5.92 -67.51	184.37 5.78 -52.92	176.60 5.14 -57.32	170.09 4.52 -62.79	170.11 3.79 -76.02	156.49 3.54 -68.70	146.39 3.97 -56.12
MG INDUSTRY___DRP 24185	144.53 3.75 -55.58	132.45 3.47 -48.27	127.58 3.66 -40.77	127.75 3.44 -44.42	129.60 3.28 -49.97	138.70 3.54 -42.02	164.59 5.24 -37.56	194.15 5.33 -55.63	169.78 5.00 -39.75	167.34 4.27 -53.58	153.81 3.78 -50.44	148.01 3.22 -57.80	147.45 3.09 -60.92	146.32 3.11 -61.41	150.83 3.01 -68.58	154.40 3.57 -59.37	159.80 4.20 -53.25	203.21 5.66 -66.02	182.83 5.40 -51.76	175.11 4.91 -56.06	168.50 4.32 -61.41	168.37 3.70 -74.37	154.92 3.45 -67.21	145.09 3.88 -54.91
MID___OSWEGATCHIE_HYD 23849	83.74 -2.73 -1.26	79.22 -2.58 -1.09	81.41 -2.66 -0.92	78.43 -2.48 -1.01	75.11 -2.37 -1.13	91.11 -2.98 -0.95	119.23 -3.41 -0.85	131.26 -3.20 -1.26	122.68 -3.25 -0.90	108.19 -2.52 -1.21	98.14 -2.59 -1.14	85.87 -2.44 -1.31	82.66 -2.17 -1.38	81.06 -2.13 -1.39	78.73 -2.06 -1.55	90.70 -2.10 -1.34	101.51 -2.05 -1.20	130.01 -3.03 -1.50	123.83 -3.02 -1.17	112.78 -2.63 -1.27	101.70 -2.47 -1.39	89.64 -2.35 -1.69	83.50 -2.27 -1.52	84.87 -2.68 -1.24
MID___RAQUETTE_HYD 23851	80.18 -5.03 0.00	75.87 -4.84 0.00	78.25 -4.91 0.00	75.27 -4.63 0.00	71.84 -4.50 0.00	87.17 -5.96 0.00	113.51 -8.28 0.00	124.67 -8.52 0.00	117.03 -8.00 0.00	103.36 -6.13 0.00	93.81 -5.78 0.00	81.95 -5.05 0.00	78.94 -4.51 0.00	77.30 -4.50 0.00	75.04 -4.20 0.00	86.06 -5.40 0.00	96.63 -5.73 0.00	122.99 -8.55 0.00	117.50 -8.17 0.00	107.40 -6.73 0.00	96.92 -5.86 0.00	84.97 -5.33 0.00	79.96 -4.30 0.00	81.38 -4.92 0.00

MILLIKEN___1 23584	97.23 2.64 -9.38	91.28 2.42 -8.15	92.44 2.41 -6.88	89.80 2.40 -7.50	87.23 2.44 -8.44	103.30 3.07 -7.09	133.37 5.24 -6.34	148.31 5.73 -9.39	136.50 4.75 -6.72	122.28 3.72 -9.06	111.30 3.19 -8.53	99.30 2.52 -9.78	95.23 2.09 -9.69	93.78 2.21 -9.77	92.21 2.06 -10.91	103.83 2.93 -9.45	114.41 3.58 -8.47	147.85 5.79 -10.53	139.45 5.53 -8.26	127.76 4.68 -8.94	116.48 3.91 -9.80	105.21 3.07 -11.84	97.32 2.36 -10.70	97.63 2.59 -8.74
MILLIKEN___2 23585	97.23 2.64 -9.38	91.28 2.42 -8.15	92.44 2.41 -6.88	89.80 2.40 -7.50	87.23 2.44 -8.44	103.30 3.07 -7.09	133.37 5.24 -6.34	148.31 5.73 -9.39	136.50 4.75 -6.72	122.28 3.72 -9.06	111.30 3.19 -8.53	99.30 2.52 -9.78	95.23 2.09 -9.69	93.78 2.21 -9.77	92.21 2.06 -10.91	103.83 2.93 -9.45	114.41 3.58 -8.47	147.85 5.79 -10.53	139.45 5.53 -8.26	127.76 4.68 -8.94	116.48 3.91 -9.80	105.21 3.07 -11.84	97.32 2.36 -10.70	97.63 2.59 -8.74
MILLIKEN___DIESEL 23629	97.23 2.64 -9.38	91.28 2.42 -8.15	92.44 2.41 -6.88	89.80 2.40 -7.50	87.23 2.44 -8.44	103.30 3.07 -7.09	133.37 5.24 -6.34	148.31 5.73 -9.39	136.50 4.75 -6.72	122.28 3.72 -9.06	111.30 3.19 -8.53	99.30 2.52 -9.78	95.23 2.09 -9.69	93.78 2.21 -9.77	92.21 2.06 -10.91	103.83 2.93 -9.45	114.41 3.58 -8.47	147.85 5.79 -10.53	139.45 5.53 -8.26	127.76 4.68 -8.94	116.48 3.91 -9.80	105.21 3.07 -11.84	97.32 2.36 -10.70	97.63 2.59 -8.74
MILLSEAT___LFGE 323607	89.35 -2.22 -6.36	83.97 -2.26 -5.52	85.40 -2.41 -4.67	82.59 -2.39 -5.08	79.70 -2.37 -5.72	95.71 -2.24 -4.81	123.77 -2.32 -4.30	135.03 -4.53 -6.37	124.93 -4.62 -4.52	110.78 -4.82 -6.10	100.95 -4.38 -5.74	88.96 -4.61 -6.58	85.54 -4.84 -6.93	84.13 -4.66 -6.99	82.37 -4.68 -7.80	94.19 -4.02 -6.76	103.51 -4.91 -6.06	133.71 -5.40 -7.57	125.82 -5.78 -5.94	114.98 -5.59 -6.43	104.27 -5.55 -7.04	93.32 -5.51 -8.53	87.25 -4.72 -7.71	89.40 -3.19 -6.30
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	137.12 6.65 -45.27	126.48 6.46 -39.32	122.93 6.57 -33.21	122.31 6.23 -36.18	123.08 6.03 -40.70	135.10 7.73 -34.23	161.89 9.50 -30.60	190.07 10.66 -46.22	169.05 10.13 -33.89	163.03 8.65 -44.88	150.60 8.07 -42.95	143.36 7.05 -49.31	142.21 6.68 -52.08	140.90 6.54 -52.56	142.94 6.18 -57.52	149.80 7.23 -51.12	156.86 7.98 -46.52	211.99 10.39 -70.06	194.22 9.93 -58.62	179.83 9.02 -56.67	163.24 8.12 -52.34	159.47 7.31 -61.86	147.08 6.82 -56.00	137.98 6.82 -44.87
MILLWOOD_13_KV_LOAD 356217	137.38 6.90 -45.27	126.73 6.70 -39.32	123.18 6.82 -33.21	122.55 6.47 -36.18	123.31 6.26 -40.70	135.28 7.92 -34.23	162.38 9.99 -30.60	190.61 11.19 -46.22	169.55 10.63 -33.89	163.46 9.09 -44.88	151.10 8.56 -42.95	143.71 7.39 -49.31	142.54 7.01 -52.08	141.23 6.87 -52.56	143.33 6.58 -57.52	150.17 7.59 -51.12	157.37 8.50 -46.52	212.78 11.18 -70.06	194.97 10.68 -58.62	180.40 9.59 -56.67	163.76 8.63 -52.34	159.92 7.77 -61.86	147.42 7.16 -56.00	138.33 7.16 -44.87
MODEL_CITY_ENERGY 24167	86.61 -5.28 -6.69	81.44 -5.08 -5.81	82.82 -5.24 -4.91	80.06 -5.19 -5.35	77.32 -5.04 -6.02	92.61 -5.59 -5.06	118.88 -7.43 -4.52	129.23 -10.66 -6.70	119.41 -10.38 -4.76	106.27 -9.64 -6.41	96.86 -8.76 -6.04	85.65 -8.27 -6.92	82.47 -8.26 -7.29	81.13 -8.01 -7.35	79.52 -7.92 -8.21	90.70 -7.87 -7.10	99.42 -9.31 -6.38	128.19 -11.31 -7.97	120.48 -11.43 -6.25	110.40 -10.50 -6.77	100.22 -9.97 -7.41	90.06 -9.21 -8.98	84.44 -7.92 -8.11	86.71 -6.21 -6.63
MODERN_LFGE___ 323580	86.61 -5.28 -6.69	81.44 -5.08 -5.81	82.82 -5.24 -4.91	80.06 -5.19 -5.35	77.32 -5.04 -6.02	92.61 -5.59 -5.06	118.88 -7.43 -4.52	129.23 -10.66 -6.70	119.41 -10.38 -4.76	106.27 -9.64 -6.41	96.86 -8.76 -6.04	85.65 -8.27 -6.92	82.47 -8.26 -7.29	81.13 -8.01 -7.35	79.52 -7.92 -8.21	90.70 -7.87 -7.10	99.42 -9.31 -6.38	128.19 -11.31 -7.97	120.48 -11.43 -6.25	110.40 -10.50 -6.77	100.22 -9.97 -7.41	90.06 -9.21 -8.98	84.44 -7.92 -8.11	86.71 -6.21 -6.63
MOHAWK_PAPER___DRP 24187	146.24 4.17 -56.86	133.96 3.87 -49.38	128.85 3.99 -41.70	129.09 3.76 -45.44	131.13 3.66 -51.12	140.22 4.10 -42.99	166.31 6.09 -38.43	196.63 6.53 -56.91	171.95 6.25 -40.67	169.67 5.37 -54.81	155.97 4.78 -51.60	150.21 4.09 -59.13	149.69 3.92 -62.32	148.47 3.84 -62.82	153.20 3.80 -70.16	156.68 4.48 -60.74	162.05 5.22 -54.47	206.13 6.97 -67.62	185.34 6.66 -53.01	177.60 6.05 -57.42	170.92 5.24 -62.90	170.89 4.42 -76.17	157.05 3.96 -68.83	146.84 4.31 -56.23
MOHICAN___35_KV_115KV_LD 80490	150.38 6.99 -58.19	137.70 6.46 -50.53	131.90 6.07 -42.68	132.07 5.67 -46.50	133.93 5.27 -52.31	143.18 6.05 -43.99	172.08 10.96 -39.32	203.15 11.72 -58.24	177.65 11.00 -41.62	174.78 9.20 -56.09	160.26 7.87 -52.81	154.29 6.79 -60.51	153.73 6.51 -63.77	152.47 6.38 -64.29	157.38 6.34 -71.80	161.21 7.59 -62.16	167.42 9.31 -55.74	213.76 13.02 -69.21	192.24 12.32 -54.25	183.97 11.07 -58.76	176.40 9.25 -64.37	175.94 7.68 -77.97	161.37 6.66 -70.46	150.24 6.39 -57.56
MONGAUP___HYD 23641	131.36 4.51 -41.65	121.15 4.27 -36.17	118.18 4.49 -30.55	117.41 4.23 -33.28	117.99 4.20 -37.44	130.21 5.59 -31.49	157.37 7.43 -28.15	182.33 7.32 -41.81	161.90 6.87 -30.00	155.10 5.47 -40.14	142.35 4.98 -37.79	134.47 4.18 -43.30	133.11 3.67 -45.99	131.76 3.60 -46.37	134.26 3.65 -51.37	140.33 4.39 -44.48	148.39 5.52 -40.51	195.16 7.76 -55.87	178.27 7.41 -45.19	167.13 6.62 -46.37	155.13 5.75 -46.60	151.80 5.24 -56.27	139.90 4.80 -50.84	132.45 4.74 -41.41
MONTAUK___DIESEL 23721	147.47 12.70 -49.57	142.46 12.19 -49.56	130.33 11.97 -35.21	131.11 11.51 -39.71	142.22 11.30 -54.57	147.85 14.16 -40.56	167.59 15.95 -29.84	192.68 16.92 -42.57	173.31 15.50 -32.78	165.66 12.59 -43.58	156.19 12.75 -43.86	149.48 12.09 -50.39	147.79 11.10 -53.25	148.84 11.37 -55.67	148.18 10.46 -58.48	155.36 11.52 -52.38	163.77 13.92 -47.49	224.95 17.89 -75.52	206.20 16.46 -64.07	185.41 14.15 -57.12	168.60 13.46 -52.36	166.50 13.54 -62.66	154.45 12.81 -57.39	152.27 12.94 -53.03
MOONROAD_115KV_HARTFLD_TB1-2 355988	89.29 -3.75 -7.84	83.16 -4.36 -6.81	84.33 -4.57 -5.75	82.33 -3.84 -6.27	79.12 -4.28 -7.05	94.22 -4.84 -5.93	123.31 -3.78 -5.30	134.38 -6.66 -7.85	123.91 -6.63 -5.50	110.45 -6.46 -7.42	100.69 -5.88 -6.98	89.26 -5.74 -8.00	85.88 -6.01 -8.44	84.41 -5.89 -8.50	82.87 -5.86 -9.50	94.47 -5.21 -8.22	104.10 -5.63 -7.37	133.47 -7.23 -9.16	126.32 -6.53 -7.18	115.30 -6.62 -7.78	104.52 -6.78 -8.52	93.87 -6.95 -10.52	87.19 -6.57 -9.51	90.01 -4.06 -7.77
MORTIMER_115KV_TB3 55949	89.73 -0.85 -5.38	84.41 -0.97 -4.67	86.02 -1.08 -3.95	83.08 -1.12 -4.30	80.27 -0.92 -4.84	96.36 -0.84 -4.07	125.43 0.00 -3.63	137.11 -1.47 -5.38	127.24 -1.63 -3.84	112.70 -1.97 -5.17	102.66 -1.79 -4.87	90.58 -2.00 -5.58	87.07 -2.25 -5.87	85.43 -2.29 -5.92	83.63 -2.22 -6.61	95.63 -1.55 -5.72	105.85 -1.64 -5.13	136.47 -1.45 -6.38	129.41 -1.26 -5.00	117.96 -1.60 -5.42	106.86 -1.85 -5.93	95.15 -2.35 -7.21	88.58 -2.19 -6.51	90.41 -1.21 -5.32
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	138.36 7.50 -45.66	127.71 7.34 -39.65	124.04 7.40 -33.49	123.50 7.11 -36.49	124.27 6.87 -41.05	136.41 8.75 -34.52	163.50 10.84 -30.87	214.84 11.99 -69.66	208.80 11.38 -72.39	210.54 9.85 -91.19	220.95 9.16 -112.20	227.50 8.00 -132.50	205.75 7.59 -114.71	206.32 7.44 -117.08	205.48 7.05 -119.19	253.29 8.14 -153.69	238.06 9.11 -126.60	291.52 11.84 -148.15	274.65 11.31 -137.67	233.81 10.27 -109.40	219.58 9.15 -107.65	186.10 8.22 -87.59	175.85 7.75 -83.85	139.39 7.77 -45.32

MUNSVILLE_WIND_PWR 323609	108.88 9.29 -14.39	101.85 8.64 -12.50	102.69 8.98 -10.56	100.27 8.87 -11.50	97.99 8.70 -12.94	115.85 11.83 -10.88	149.54 18.02 -9.73	167.98 20.38 -14.40	152.89 17.50 -10.35	137.58 14.13 -13.95	125.17 12.45 -13.14	112.49 10.44 -15.05	108.74 9.43 -15.87	107.44 9.65 -15.99	106.21 9.11 -17.86	118.81 11.88 -15.46	130.37 14.13 -13.88	167.96 19.20 -17.22	157.52 18.35 -13.50	144.16 15.40 -14.62	131.96 13.16 -16.02	120.89 11.19 -19.40	110.97 9.19 -17.53	110.11 9.49 -14.32
N SALMON___HYD 24042	83.84 -1.37 0.00	79.50 -1.21 0.00	81.91 -1.24 0.00	78.94 -0.96 0.00	75.35 -0.99 0.00	92.02 -1.11 0.00	118.87 -2.92 0.00	130.26 -2.93 0.00	122.16 -2.87 0.00	108.51 -0.99 0.00	98.40 -1.19 0.00	86.04 -0.96 0.00	82.95 -0.50 0.00	81.23 -0.57 0.00	78.85 -0.39 0.00	90.18 -1.28 0.00	101.75 -0.61 0.00	128.51 -3.02 0.00	123.16 -2.51 0.00	113.22 -0.92 0.00	102.06 -0.71 0.00	89.39 -0.90 0.00	83.58 -0.68 0.00	85.78 -0.51 0.00
N.AKRON__115KV_KNAPP 355671	89.39 -2.22 -6.41	84.01 -2.26 -5.56	85.44 -2.41 -4.70	82.62 -2.40 -5.12	79.97 -2.14 -5.76	95.74 -2.24 -4.84	124.29 -1.83 -4.33	135.08 -4.53 -6.41	125.09 -4.50 -4.56	110.82 -4.82 -6.14	100.99 -4.38 -5.78	89.10 -4.52 -6.63	85.67 -4.76 -6.98	84.18 -4.66 -7.04	82.51 -4.60 -7.86	94.33 -3.93 -6.81	104.26 -4.20 -6.10	134.52 -4.60 -7.59	127.47 -4.15 -5.95	116.13 -4.45 -6.44	105.21 -4.63 -7.06	93.83 -5.06 -8.59	87.55 -4.47 -7.76	89.88 -2.76 -6.34
N.BELMOR_69_KV_BK1 55787	143.64 8.86 -49.57	138.82 8.56 -49.56	127.09 8.73 -35.21	127.92 8.31 -39.71	139.01 8.09 -54.57	143.94 10.24 -40.56	164.05 11.57 -30.68	191.92 12.52 -46.21	171.25 11.88 -34.34	164.16 9.75 -44.92	152.91 9.46 -43.86	146.26 8.87 -50.39	145.21 8.51 -53.25	146.06 8.59 -55.67	145.64 7.92 -58.48	152.61 8.78 -52.38	160.39 10.24 -47.80	220.48 13.42 -75.52	202.43 12.69 -64.07	185.13 11.07 -59.92	166.30 10.28 -53.25	162.71 9.75 -62.66	150.91 9.27 -57.39	148.56 9.23 -53.03
N.E_GEN_SANDY PD 24062	142.38 5.11 -52.06	130.77 4.84 -45.22	126.24 4.90 -38.19	126.22 4.71 -41.61	127.82 4.66 -46.81	138.47 5.97 -39.37	164.28 7.31 -35.19	193.30 7.99 -52.11	169.90 7.63 -37.24	166.48 6.79 -50.19	153.12 6.28 -47.26	146.54 5.40 -54.15	145.69 5.18 -57.07	144.40 5.07 -57.53	148.32 4.83 -64.24	152.75 5.67 -55.62	158.55 6.35 -49.85	201.61 8.16 -61.92	182.00 7.79 -48.54	173.79 7.08 -52.57	166.64 6.27 -57.59	165.38 5.33 -69.76	152.35 5.05 -63.04	142.80 5.00 -51.50
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	135.48 6.31 -43.97	125.03 6.13 -38.19	121.64 6.24 -32.25	120.95 5.91 -35.14	121.68 5.80 -39.53	133.83 7.45 -33.25	160.76 9.26 -29.72	188.14 10.26 -44.69	167.34 9.75 -32.56	161.22 8.43 -43.29	148.63 7.77 -41.28	140.89 6.52 -47.37	139.63 6.18 -50.01	138.31 6.05 -50.45	140.49 5.78 -55.46	147.14 6.68 -49.01	154.27 7.47 -44.44	205.57 9.73 -64.30	188.10 9.30 -53.13	175.11 8.45 -52.52	160.77 7.61 -50.39	156.96 6.77 -59.89	144.77 6.32 -54.19	136.22 6.30 -43.62
N.QUEENS_27_KV_LOAD 356247	139.04 8.18 -45.65	128.19 7.83 -39.65	124.79 8.15 -33.49	124.29 7.91 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	163.74 11.08 -30.86	208.66 12.52 -62.94	198.28 12.00 -61.25	197.53 10.29 -77.75	201.29 9.66 -92.04	203.70 8.44 -108.27	188.04 8.01 -96.58	188.05 7.85 -98.40	188.05 7.53 -101.28	224.02 8.78 -123.78	215.64 9.93 -103.36	270.92 12.63 -126.75	253.84 12.19 -115.99	220.18 11.07 -94.97	204.39 9.97 -91.65	179.48 8.94 -80.24	168.45 8.34 -75.86	139.97 8.37 -45.30
N.TROY___115KV_TB1 355778	146.91 4.52 -57.19	134.57 4.20 -49.66	129.25 4.16 -41.95	129.60 3.99 -45.70	131.73 3.97 -51.42	141.12 4.75 -43.24	167.26 6.82 -38.65	197.62 7.19 -57.24	172.93 7.00 -40.90	170.64 6.02 -55.13	156.87 5.38 -51.90	151.08 4.61 -59.47	150.55 4.42 -62.68	149.32 4.34 -63.19	154.00 4.20 -70.56	157.58 5.03 -61.09	162.98 5.83 -54.79	207.31 7.76 -68.02	186.40 7.41 -53.32	178.62 6.73 -57.75	171.80 5.76 -63.26	171.81 4.88 -76.64	157.90 4.38 -69.26	147.28 4.40 -56.58
NARROWS_GT1_1 24228	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT1_2 24229	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT1_3 24230	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT1_4 24231	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT1_5 24232	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT1_6 24233	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT1_7 24234	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31

NARROWS_GT1_8 24235	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_1 24236	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_2 24237	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_3 24238	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_4 24239	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_5 24240	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_6 24241	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_7 24242	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NARROWS_GT2_8 24243	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	143.59 4.69 -53.70	131.55 4.20 -46.64	127.03 4.49 -39.39	127.05 4.23 -42.92	128.75 4.12 -48.28	138.21 4.47 -40.61	165.88 7.79 -36.29	194.14 7.19 -53.75	170.07 6.63 -38.41	166.08 4.82 -51.77	152.51 4.18 -48.74	146.15 3.31 -55.85	145.48 3.17 -58.86	144.25 3.11 -59.34	148.76 3.25 -66.27	152.85 4.02 -57.37	159.13 5.32 -51.45	203.15 8.02 -63.59	183.18 7.67 -49.85	175.09 6.96 -53.99	167.78 5.86 -59.15	166.81 4.88 -71.63	153.12 4.13 -64.74	144.19 5.01 -52.88
NCHELSEA_115KV_TR2 355582	141.11 8.61 -47.30	129.94 8.15 -41.07	126.41 8.56 -34.69	125.93 8.23 -37.80	126.81 7.94 -42.52	139.14 10.24 -35.76	167.27 13.52 -31.96	194.74 14.25 -47.29	172.16 13.38 -33.75	166.25 11.17 -45.59	153.07 10.56 -42.93	145.06 8.87 -49.19	143.43 8.26 -51.72	141.87 7.93 -52.13	145.53 7.92 -58.36	151.22 9.24 -50.53	157.09 9.42 -45.31	199.09 12.76 -54.80	180.69 12.06 -42.96	171.51 10.84 -46.53	163.51 9.76 -50.97	160.79 8.76 -61.73	148.05 8.00 -55.79	139.81 7.94 -45.58
NEG CAPITAL___MECHNVIL 23645	148.76 5.71 -57.85	136.19 5.24 -50.24	130.74 5.16 -42.43	131.08 4.96 -46.23	133.01 4.66 -52.01	142.46 5.59 -43.74	169.77 8.89 -39.09	200.69 9.60 -57.90	175.53 9.12 -41.37	173.03 7.77 -55.76	158.86 6.78 -52.50	153.08 5.92 -60.16	152.53 5.68 -63.40	151.28 5.57 -63.91	156.01 5.39 -71.38	159.75 6.49 -61.80	165.43 7.68 -55.39	210.73 10.39 -68.80	189.41 9.81 -53.93	181.47 8.91 -58.42	174.38 7.61 -63.99	174.23 6.41 -77.52	160.04 5.73 -70.05	149.13 5.61 -57.23
NEG CENTRAL_HIGH_ACRES 23767	88.13 -2.22 -5.15	82.92 -2.26 -4.47	84.51 -2.41 -3.77	81.69 -2.32 -4.11	78.84 -2.14 -4.63	94.70 -2.32 -3.89	123.08 -2.19 -3.48	135.29 -3.06 -5.15	125.57 -3.12 -3.66	111.14 -3.28 -4.93	101.24 -2.98 -4.64	89.36 -2.96 -5.32	85.88 -3.17 -5.60	84.34 -3.11 -5.65	82.46 -3.09 -6.31	94.18 -2.74 -5.46	103.98 -3.28 -4.90	134.35 -3.28 -6.10	126.80 -3.65 -4.78	115.78 -3.54 -5.18	104.96 -3.49 -5.67	93.65 -3.52 -6.87	87.26 -3.20 -6.21	88.69 -2.68 -5.07
NEG CENTRAL___DRP 24199	92.60 0.60 -6.80	87.50 0.89 -5.90	88.88 0.75 -4.99	86.21 0.88 -5.43	83.60 1.15 -6.11	99.21 0.93 -5.14	129.19 2.80 -4.59	143.06 3.06 -6.80	132.29 2.38 -4.88	117.50 1.42 -6.58	106.97 1.20 -6.19	94.79 0.70 -7.10	91.07 0.17 -7.45	89.97 0.65 -7.51	88.18 0.55 -8.39	99.54 0.82 -7.26	110.20 1.33 -6.51	142.66 3.03 -8.10	134.91 2.89 -6.35	123.41 2.40 -6.87	111.95 1.64 -7.53	100.28 0.90 -9.08	92.72 0.25 -8.21	93.69 0.69 -6.71
NEG CENTRAL___INDECK 23768	95.15 2.04 -7.90	89.27 1.70 -6.86	90.52 1.58 -5.80	87.65 1.44 -6.32	84.90 1.45 -7.11	101.53 2.42 -5.98	132.01 4.88 -5.34	144.83 3.72 -7.91	133.62 2.88 -5.71	118.61 1.42 -7.70	107.93 1.10 -7.25	96.00 0.69 -8.31	92.45 0.25 -8.75	91.04 0.41 -8.82	89.41 0.32 -9.86	101.91 1.92 -8.53	112.37 2.36 -7.66	146.22 5.27 -9.42	137.45 4.40 -7.38	125.68 3.54 -8.00	114.11 2.57 -8.76	102.35 1.44 -10.61	95.02 1.18 -9.59	96.12 1.99 -7.83



NEG CENTRAL___SENECA 23627	94.29 1.11 -7.98	89.17 1.53 -6.93	90.42 1.41 -5.85	87.80 1.52 -6.38	85.43 1.91 -7.17	100.75 1.58 -6.03	131.33 4.14 -5.39	145.58 4.40 -7.99	134.15 3.38 -5.74	119.42 2.19 -7.74	108.56 1.69 -7.28	96.39 1.04 -8.35	92.57 0.33 -8.79	91.80 1.15 -8.86	90.24 1.11 -9.89	101.30 1.28 -8.57	111.98 1.94 -7.68	145.29 4.21 -9.55	137.30 4.15 -7.49	125.67 3.42 -8.11	114.13 2.47 -8.88	102.35 1.35 -10.70	94.43 0.51 -9.67	95.23 1.04 -7.90
NEG CENTRAL___STATE_STREET 24147	91.93 0.68 -6.05	86.61 0.65 -5.25	88.17 0.58 -4.43	85.37 0.64 -4.83	82.55 0.76 -5.44	98.64 0.93 -4.57	128.31 2.44 -4.09	142.18 2.93 -6.05	131.74 2.38 -4.33	117.08 1.75 -5.84	106.48 1.39 -5.50	94.34 1.04 -6.30	90.63 0.67 -6.51	89.18 0.82 -6.56	87.28 0.71 -7.33	98.99 1.19 -6.35	109.48 1.43 -5.69	141.37 2.76 -7.07	133.85 2.64 -5.55	122.31 2.17 -6.01	111.00 1.64 -6.58	99.25 0.99 -7.96	91.95 0.51 -7.19	92.95 0.78 -5.88
NEG MILLWOOD___DRP 24198	140.62 8.52 -46.90	129.51 8.07 -40.73	125.86 8.32 -34.40	125.45 8.07 -37.48	126.07 7.56 -42.16	138.28 9.69 -35.46	166.27 12.79 -31.69	194.52 14.38 -46.94	171.95 13.38 -33.54	165.87 11.17 -45.21	152.81 10.66 -42.56	144.73 8.96 -48.77	143.45 8.60 -51.40	141.96 8.34 -51.82	145.19 8.08 -57.87	151.07 9.51 -50.10	157.52 10.24 -44.93	200.56 13.94 -55.08	182.05 13.20 -43.18	172.78 11.87 -46.77	164.81 10.79 -51.24	162.02 9.66 -62.06	148.93 8.59 -56.08	140.65 8.54 -45.81
NEG NORTH_FLCN_SEA 23793	84.27 -0.94 0.00	79.90 -0.81 0.00	82.32 -0.83 0.00	79.26 -0.64 0.00	75.66 -0.69 0.00	92.58 -0.56 0.00	119.60 -2.19 0.00	130.93 -2.26 0.00	122.53 -2.50 0.00	108.73 -0.77 0.00	98.59 -1.00 0.00	86.13 -0.87 0.00	82.95 -0.50 0.00	81.15 -0.65 0.00	78.84 -0.40 0.00	90.18 -1.28 0.00	101.64 -0.72 0.00	128.90 -2.63 0.00	123.41 -2.26 0.00	113.45 -0.68 0.00	102.26 -0.51 0.00	89.48 -0.81 0.00	83.75 -0.51 0.00	86.73 0.43 0.00
NEG NORTH_KES_CHATAGAY 23792	83.84 -1.36 0.00	79.50 -1.21 0.00	81.82 -1.33 0.00	78.78 -1.12 0.00	75.20 -1.15 0.00	92.02 -1.12 0.00	118.87 -2.92 0.00	130.13 -3.06 0.00	121.90 -3.13 0.00	107.96 -1.53 0.00	97.99 -1.59 0.00	85.61 -1.39 0.00	82.45 -1.00 0.00	80.65 -1.15 0.00	78.37 -0.87 0.00	89.72 -1.74 0.00	101.13 -1.23 0.00	128.25 -3.29 0.00	122.78 -2.89 0.00	112.77 -1.37 0.00	101.65 -1.13 0.00	88.94 -1.35 0.00	83.33 -0.93 0.00	85.52 -0.78 0.00
NEG NORTH___ALICE_FALLS 23915	84.69 -0.51 0.00	80.31 -0.40 0.00	82.65 -0.50 0.00	79.66 -0.24 0.00	76.04 -0.31 0.00	93.14 0.00 0.00	120.09 -1.71 0.00	131.46 -1.73 0.00	123.15 -1.88 0.00	109.39 -0.11 0.00	99.19 -0.40 0.00	86.65 -0.35 0.00	83.53 0.08 0.00	81.64 -0.16 0.00	79.32 0.08 0.00	90.73 -0.73 0.00	102.46 0.10 0.00	129.69 -1.84 0.00	124.16 -1.51 0.00	114.25 0.11 0.00	103.09 0.31 0.00	90.03 -0.27 0.00	84.34 0.08 0.00	86.99 0.69 0.00
NEG NORTH___LWR_SARANAC 23913	84.69 -0.51 0.00	80.31 -0.40 0.00	82.65 -0.50 0.00	79.66 -0.24 0.00	76.04 -0.31 0.00	93.14 0.00 0.00	120.09 -1.71 0.00	131.46 -1.73 0.00	123.15 -1.88 0.00	109.39 -0.11 0.00	99.19 -0.40 0.00	86.65 -0.35 0.00	83.53 0.08 0.00	81.64 -0.16 0.00	79.32 0.08 0.00	90.73 -0.73 0.00	102.46 0.10 0.00	129.69 -1.84 0.00	124.16 -1.51 0.00	114.25 0.11 0.00	103.09 0.31 0.00	90.03 -0.27 0.00	84.34 0.08 0.00	86.99 0.69 0.00
NEG NORTH___PLATTSBURG 23628	84.70 -0.51 0.00	80.31 -0.40 0.00	82.66 -0.50 0.00	79.66 -0.24 0.00	76.04 -0.30 0.00	93.04 -0.09 0.00	120.20 -1.59 0.00	131.60 -1.59 0.00	123.16 -1.87 0.00	109.39 -0.11 0.00	99.29 -0.30 0.00	86.74 -0.26 0.00	83.53 0.08 0.00	81.72 -0.08 0.00	79.32 0.08 0.00	90.72 -0.73 0.00	102.56 0.21 0.00	129.69 -1.84 0.00	124.41 -1.26 0.00	114.48 0.34 0.00	103.19 0.41 0.00	90.30 0.00 0.00	84.34 0.08 0.00	87.16 0.86 0.00
NEG WEST_LEA_LOCKPORT 23791	87.57 -4.26 -6.62	82.43 -4.04 -5.75	83.77 -4.24 -4.86	80.96 -4.23 -5.29	78.41 -3.89 -5.95	93.67 -4.47 -5.01	121.03 -5.24 -4.48	131.16 -8.66 -6.63	121.36 -8.38 -4.71	107.85 -7.99 -6.35	98.29 -7.27 -5.98	86.89 -6.96 -6.85	83.66 -7.01 -7.22	82.20 -6.87 -7.28	80.55 -6.81 -8.13	92.00 -6.49 -7.03	101.50 -7.17 -6.31	130.70 -8.68 -7.84	123.77 -8.04 -6.15	113.04 -7.76 -6.66	102.57 -7.50 -7.29	91.60 -7.58 -8.88	85.63 -6.66 -8.03	88.11 -4.75 -6.56
NEG WEST___LANCASTER 23811	86.95 -5.96 -7.71	81.68 -5.73 -6.70	82.82 -5.99 -5.66	80.23 -5.83 -6.16	77.78 -5.50 -6.93	92.54 -6.43 -5.83	119.70 -7.31 -5.21	130.79 -10.12 -7.72	120.86 -9.63 -5.45	107.87 -8.98 -7.35	98.34 -8.17 -6.92	87.36 -7.57 -7.93	84.13 -7.68 -8.36	82.70 -7.53 -8.43	81.21 -7.45 -9.41	92.11 -7.50 -8.15	101.38 -8.29 -7.31	130.36 -10.26 -9.09	123.37 -9.43 -7.12	112.95 -8.90 -7.71	102.60 -8.63 -8.45	92.25 -8.40 -10.35	85.77 -7.84 -9.35	87.72 -6.21 -7.64
NEG_PENN_ALLEGHNY 23528	101.17 1.03 -14.94	94.57 0.89 -12.97	95.11 1.00 -10.96	92.72 0.88 -11.94	90.70 0.92 -13.43	105.73 1.30 -11.29	134.32 2.43 -10.09	150.27 2.12 -14.95	137.61 1.88 -10.70	125.13 1.21 -14.43	114.16 1.00 -13.58	103.25 0.69 -15.56	100.27 0.42 -16.40	98.83 0.49 -16.53	98.10 0.40 -18.46	108.45 1.01 -15.99	117.83 1.13 -14.35	151.58 2.23 -17.81	141.63 2.00 -13.96	130.86 1.60 -15.12	120.58 1.24 -16.57	111.27 0.90 -20.07	102.98 0.59 -18.13	102.15 1.04 -14.81
NEG___GEN_MONROE 24207	90.04 -0.60 -5.43	84.62 -0.81 -4.72	86.64 -0.50 -3.98	83.60 -0.64 -4.34	80.77 -0.46 -4.88	97.06 -0.19 -4.11	125.95 0.49 -3.67	137.17 -1.47 -5.44	127.41 -1.50 -3.88	112.75 -1.97 -5.22	102.81 -1.69 -4.92	90.54 -2.09 -5.63	87.13 -2.25 -5.93	85.41 -2.37 -5.98	83.62 -2.30 -6.68	95.68 -1.55 -5.78	105.90 -1.64 -5.18	136.66 -1.32 -6.44	129.84 -0.88 -5.05	118.47 -1.14 -5.47	107.44 -1.34 -5.99	95.50 -2.08 -7.28	88.89 -1.94 -6.58	91.07 -0.60 -5.37
NEPA___ENERGY 23901	89.15 -3.92 -7.87	83.83 -3.71 -6.84	85.02 -3.91 -5.77	82.35 -3.84 -6.29	79.84 -3.59 -7.08	94.99 -4.10 -5.95	122.85 -4.26 -5.32	134.28 -6.79 -7.88	124.11 -6.50 -5.58	110.77 -6.24 -7.52	100.89 -5.78 -7.08	89.63 -5.48 -8.11	86.25 -5.76 -8.56	84.78 -5.64 -8.62	83.33 -5.55 -9.63	94.40 -5.40 -8.34	104.00 -5.83 -7.48	133.73 -7.10 -9.30	126.55 -6.41 -7.29	115.87 -6.16 -7.89	105.36 -6.06 -8.65	94.63 -6.23 -10.56	88.07 -5.73 -9.55	90.13 -3.97 -7.80
NEVERSINK___HYD 23608	135.30 8.26 -41.84	124.79 7.75 -36.33	122.07 8.23 -30.69	121.17 7.83 -33.43	121.60 7.63 -37.62	134.83 10.06 -31.63	163.46 13.40 -28.27	188.92 13.85 -41.87	166.21 11.26 -29.93	158.91 9.08 -40.33	146.02 8.46 -37.98	137.47 6.96 -43.51	133.23 3.92 -45.86	131.54 3.51 -46.23	134.59 3.73 -51.63	140.63 4.48 -44.70	146.57 4.71 -39.50	187.57 6.97 -49.07	170.54 6.41 -38.46	161.39 5.59 -41.66	156.64 8.23 -45.64	152.98 7.41 -55.28	140.95 6.74 -49.96	133.75 6.65 -40.81
NEWKRMKL_115KV_TB1 55635	145.47 3.49 -56.77	133.24 3.23 -49.30	128.12 3.33 -41.64	128.47 3.20 -45.37	130.45 3.05 -51.04	139.13 3.07 -42.93	164.79 4.63 -38.37	194.81 4.79 -56.82	170.26 4.63 -40.60	168.27 4.05 -54.73	154.70 3.59 -51.53	149.08 3.04 -59.04	148.59 2.92 -62.23	147.39 2.86 -62.73	152.15 2.85 -70.05	155.49 3.38 -60.65	160.64 3.89 -54.39	204.18 5.13 -67.52	183.62 5.03 -52.93	175.92 4.45 -57.33	169.48 3.91 -62.80	169.58 3.25 -76.04	156.00 3.03 -68.71	146.06 3.62 -56.13

NEWTON___FALLS_HYD 23847	83.74 -2.73 -1.26	79.22 -2.58 -1.09	81.41 -2.66 -0.92	78.43 -2.48 -1.01	75.11 -2.37 -1.13	91.11 -2.98 -0.95	119.23 -3.41 -0.85	131.26 -3.20 -1.26	122.68 -3.25 -0.90	108.19 -2.52 -1.21	98.14 -2.59 -1.14	85.87 -2.44 -1.31	82.66 -2.17 -1.38	81.06 -2.13 -1.39	78.73 -2.06 -1.55	90.70 -2.10 -1.34	101.51 -2.05 -1.20	130.01 -3.03 -1.50	123.83 -3.02 -1.17	112.78 -2.63 -1.27	101.70 -2.47 -1.39	89.64 -2.35 -1.69	83.50 -2.27 -1.52	84.87 -2.68 -1.24
NGRID_A1_DSASP 323792	86.14 -5.80 -6.74	81.07 -5.49 -5.85	82.36 -5.74 -4.94	79.69 -5.60 -5.38	76.99 -5.42 -6.06	92.08 -6.15 -5.09	117.70 -8.64 -4.55	127.68 -12.25 -6.74	117.94 -11.88 -4.79	105.11 -10.84 -6.45	95.80 -9.86 -6.08	84.83 -9.13 -6.96	81.69 -9.09 -7.34	80.36 -8.84 -7.40	78.70 -8.80 -8.26	89.74 -8.87 -7.15	98.44 -10.33 -6.42	126.80 -12.76 -8.02	119.27 -12.69 -6.29	109.31 -11.64 -6.81	99.34 -10.90 -7.46	89.31 -10.03 -9.04	83.83 -8.59 -8.17	86.24 -6.73 -6.67
NGRID_A2_DSASP 323793	86.14 -5.80 -6.74	81.07 -5.49 -5.85	82.36 -5.74 -4.94	79.69 -5.60 -5.38	76.99 -5.42 -6.06	92.08 -6.15 -5.09	117.70 -8.64 -4.55	127.68 -12.25 -6.74	117.94 -11.88 -4.79	105.11 -10.84 -6.45	95.80 -9.86 -6.08	84.83 -9.13 -6.96	81.69 -9.09 -7.34	80.36 -8.84 -7.40	78.70 -8.80 -8.26	89.74 -8.87 -7.15	98.44 -10.33 -6.42	126.80 -12.76 -8.02	119.27 -12.69 -6.29	109.31 -11.64 -6.81	99.34 -10.90 -7.46	89.31 -10.03 -9.04	83.83 -8.59 -8.17	86.24 -6.73 -6.67
NGRID_A4_DSASP 323807	86.14 -5.80 -6.74	81.07 -5.49 -5.85	82.36 -5.74 -4.94	79.69 -5.60 -5.38	76.99 -5.42 -6.06	92.08 -6.15 -5.09	117.70 -8.64 -4.55	127.68 -12.25 -6.74	117.94 -11.88 -4.79	105.11 -10.84 -6.45	95.80 -9.86 -6.08	84.83 -9.13 -6.96	81.69 -9.09 -7.34	80.36 -8.84 -7.40	78.70 -8.80 -8.26	89.74 -8.87 -7.15	98.44 -10.33 -6.42	126.80 -12.76 -8.02	119.27 -12.69 -6.29	109.31 -11.64 -6.81	99.34 -10.90 -7.46	89.31 -10.03 -9.04	83.83 -8.59 -8.17	86.24 -6.73 -6.67
NIAGARA_115E_LBMP 323715	86.08 -5.88 -6.75	80.92 -5.65 -5.86	82.28 -5.82 -4.95	79.54 -5.75 -5.40	76.92 -5.50 -6.07	92.00 -6.24 -5.11	117.95 -8.40 -4.56	128.23 -11.72 -6.76	118.45 -11.38 -4.80	105.45 -10.51 -6.47	96.12 -9.56 -6.09	85.02 -8.96 -6.98	81.88 -8.93 -7.35	80.63 -8.59 -7.41	78.96 -8.56 -8.28	90.03 -8.60 -7.17	98.66 -10.14 -6.43	127.21 -12.37 -8.04	119.66 -12.31 -6.30	109.66 -11.30 -6.83	99.57 -10.69 -7.48	89.52 -9.84 -9.06	83.93 -8.51 -8.19	86.25 -6.73 -6.69
NIAGARA_115W_LBMP 323714	85.96 -5.97 -6.73	80.82 -5.73 -5.84	82.18 -5.90 -4.93	79.45 -5.83 -5.37	76.82 -5.57 -6.05	91.80 -6.43 -5.09	117.33 -9.01 -4.55	127.27 -12.66 -6.73	117.69 -12.13 -4.78	104.77 -11.17 -6.44	95.49 -10.16 -6.07	84.55 -9.40 -6.95	81.43 -9.34 -7.33	80.10 -9.08 -7.39	78.54 -8.95 -8.25	89.45 -9.14 -7.14	98.12 -10.65 -6.41	126.39 -13.15 -8.01	118.87 -13.07 -6.28	109.07 -11.87 -6.80	99.03 -11.20 -7.45	89.02 -10.30 -9.02	83.56 -8.85 -8.15	86.05 -6.91 -6.66
NIAGARA_230_LBMP 323716	86.73 -5.11 -6.63	81.54 -4.93 -5.76	82.94 -5.07 -4.87	80.17 -5.03 -5.30	77.50 -4.81 -5.96	92.66 -5.50 -5.02	119.09 -7.19 -4.48	129.31 -10.52 -6.64	119.50 -10.25 -4.72	106.33 -9.53 -6.36	97.01 -8.57 -5.99	85.86 -8.00 -6.86	82.67 -8.01 -7.23	81.32 -7.77 -7.29	79.62 -7.76 -8.14	90.73 -7.77 -7.05	99.67 -9.01 -6.32	128.39 -11.05 -7.90	120.80 -11.06 -6.19	110.80 -10.05 -6.71	100.57 -9.56 -7.35	90.44 -8.76 -8.90	84.80 -7.50 -8.04	87.08 -5.78 -6.57
NIAGARA___115KV_198_GIBSON 55903	86.05 -5.88 -6.73	80.90 -5.65 -5.84	82.26 -5.82 -4.93	79.52 -5.75 -5.37	77.20 -5.19 -6.05	91.89 -6.33 -5.09	117.93 -8.40 -4.55	127.54 -12.39 -6.73	117.93 -11.88 -4.78	104.99 -10.95 -6.44	95.70 -9.96 -6.07	84.73 -9.22 -6.95	81.60 -9.18 -7.33	80.19 -9.00 -7.39	78.69 -8.80 -8.25	89.64 -8.96 -7.14	98.83 -9.93 -6.40	127.00 -12.50 -7.96	120.35 -11.56 -6.24	110.06 -10.84 -6.76	99.91 -10.28 -7.40	89.48 -9.84 -9.02	83.73 -8.68 -8.15	86.31 -6.64 -6.66
NIAGARA____ 23760	86.83 -5.11 -6.74	81.64 -4.93 -5.85	83.02 -5.07 -4.94	80.26 -5.03 -5.39	77.60 -4.81 -6.06	92.74 -5.50 -5.10	119.15 -7.19 -4.55	129.38 -10.52 -6.71	119.54 -10.25 -4.76	106.39 -9.53 -6.42	97.07 -8.57 -6.05	85.92 -8.00 -6.93	82.74 -8.01 -7.30	81.39 -7.77 -7.36	79.70 -7.76 -8.22	90.80 -7.77 -7.12	99.73 -9.01 -6.38	128.46 -11.05 -7.98	120.86 -11.06 -6.25	110.87 -10.05 -6.77	100.64 -9.56 -7.42	90.53 -8.76 -8.99	84.90 -7.50 -8.14	87.19 -5.78 -6.68
NINE_MILE_1 23575	85.81 -2.22 -2.83	81.06 -2.10 -2.45	83.06 -2.16 -2.07	80.08 -2.08 -2.26	76.90 -1.99 -2.54	92.76 -2.51 -2.14	120.53 -3.17 -1.91	132.56 -3.46 -2.83	123.68 -3.37 -2.02	109.15 -3.07 -2.72	99.36 -2.79 -2.56	87.41 -2.53 -2.93	84.04 -2.50 -3.09	82.46 -2.45 -3.12	80.35 -2.38 -3.48	91.91 -2.56 -3.01	102.09 -2.97 -2.70	131.47 -3.42 -3.36	124.91 -3.39 -2.63	113.80 -3.20 -2.85	102.92 -2.98 -3.13	91.46 -2.62 -3.79	85.15 -2.53 -3.42	86.76 -2.33 -2.79
NINE_MILE_2 23744	85.81 -2.22 -2.82	81.06 -2.10 -2.45	83.06 -2.16 -2.07	80.08 -2.08 -2.25	76.90 -1.99 -2.54	92.76 -2.51 -2.13	120.53 -3.17 -1.91	132.69 -3.32 -2.82	123.67 -3.37 -2.01	109.14 -3.07 -2.71	99.35 -2.79 -2.55	87.40 -2.53 -2.93	84.03 -2.50 -3.09	82.46 -2.45 -3.11	80.34 -2.38 -3.47	91.90 -2.56 -3.01	102.08 -2.97 -2.70	131.47 -3.42 -3.35	124.91 -3.39 -2.63	113.79 -3.20 -2.85	102.91 -2.98 -3.12	91.45 -2.62 -3.78	85.14 -2.53 -3.41	86.76 -2.33 -2.79
NM_CAPITAL___DRP 24208	145.55 3.66 -56.68	133.32 3.39 -49.22	128.13 3.41 -41.57	128.47 3.28 -45.29	130.51 3.21 -50.96	139.34 3.35 -42.85	164.97 4.87 -38.30	194.98 5.06 -56.73	170.44 4.88 -40.54	168.40 4.27 -54.64	154.81 3.78 -51.44	149.16 3.22 -58.94	148.66 3.09 -62.12	147.45 3.03 -62.62	152.19 3.01 -69.94	155.57 3.57 -60.55	160.75 4.09 -54.30	204.33 5.39 -67.40	183.91 5.40 -52.84	176.16 4.79 -57.23	169.69 4.21 -62.70	169.66 3.52 -75.84	156.08 3.29 -68.54	146.08 3.80 -55.99
NM_CENTRAL___DRP 24181	89.15 -0.17 -4.11	84.04 -0.24 -3.57	85.92 -0.25 -3.02	82.95 -0.24 -3.29	79.74 -0.31 -3.70	95.69 -0.56 -3.11	124.57 0.00 -2.78	137.31 0.00 -4.12	127.85 -0.13 -2.94	113.13 -0.33 -3.97	102.92 -0.40 -3.73	90.84 -0.43 -4.28	87.36 -0.58 -4.50	85.76 -0.57 -4.53	83.83 -0.48 -5.06	95.48 -0.37 -4.38	105.88 -0.41 -3.93	136.42 0.00 -4.89	129.37 -0.13 -3.83	118.06 -0.23 -4.15	106.91 -0.41 -4.55	95.44 -0.36 -5.50	88.72 -0.51 -4.97	90.10 -0.26 -4.06
NM_FRONTIER___DRP 24179	86.05 -5.88 -6.73	80.90 -5.65 -5.84	82.26 -5.82 -4.93	79.52 -5.75 -5.37	77.20 -5.19 -6.05	91.89 -6.33 -5.09	117.93 -8.40 -4.55	127.54 -12.39 -6.73	117.93 -11.88 -4.78	104.99 -10.95 -6.44	95.70 -9.96 -6.07	84.73 -9.22 -6.95	81.60 -9.18 -7.33	80.19 -9.00 -7.39	78.69 -8.80 -8.25	89.64 -8.96 -7.14	98.83 -9.93 -6.40	127.00 -12.50 -7.96	120.35 -11.56 -6.24	110.06 -10.84 -6.76	99.91 -10.28 -7.40	89.48 -9.84 -9.02	83.73 -8.68 -8.15	86.31 -6.64 -6.66
NM_ST_REGIS___HYD 24053	80.86 -4.35 0.00	76.59 -4.12 0.00	78.91 -4.24 0.00	75.98 -3.92 0.00	72.53 -3.82 0.00	88.20 -4.94 0.00	114.73 -7.06 0.00	126.00 -7.19 0.00	118.15 -6.88 0.00	104.57 -4.93 0.00	94.81 -4.78 0.00	82.82 -4.18 0.00	79.78 -3.67 0.00	78.12 -3.68 0.00	75.83 -3.41 0.00	86.88 -4.57 0.00	97.65 -4.71 0.00	124.04 -7.50 0.00	118.63 -7.04 0.00	108.66 -5.48 0.00	97.95 -4.83 0.00	85.87 -4.42 0.00	80.72 -3.54 0.00	82.33 -3.97 0.00

NORTHPORT___1 23551	143.47 8.69 -49.57	138.58 8.31 -49.56	126.84 8.49 -35.21	127.76 8.15 -39.71	138.78 7.87 -54.57	143.85 10.15 -40.56	163.04 11.08 -30.17	189.17 11.99 -43.99	169.54 11.12 -33.39	162.46 9.08 -43.89	152.02 8.57 -43.86	146.01 8.61 -50.40	145.21 8.52 -53.25	145.65 8.18 -55.67	145.64 7.92 -58.48	152.80 8.97 -52.38	159.73 9.73 -47.65	219.69 12.63 -75.52	201.92 12.19 -64.07	182.50 10.15 -58.21	164.73 9.25 -52.70	161.17 8.22 -62.66	150.24 8.60 -57.39	148.04 8.71 -53.03
NORTHPORT___2 23552	143.47 8.69 -49.57	138.58 8.31 -49.56	126.84 8.49 -35.21	127.76 8.15 -39.71	138.78 7.87 -54.57	143.85 10.15 -40.56	163.04 11.08 -30.17	189.17 11.99 -43.99	169.54 11.12 -33.39	162.46 9.08 -43.89	152.02 8.57 -43.86	146.01 8.61 -50.40	145.21 8.52 -53.25	145.65 8.18 -55.67	145.64 7.92 -58.48	152.80 8.97 -52.38	159.73 9.73 -47.65	219.69 12.63 -75.52	201.92 12.19 -64.07	182.50 10.15 -58.21	164.73 9.25 -52.70	161.17 8.22 -62.66	150.24 8.60 -57.39	148.04 8.71 -53.03
NORTHPORT___3 23553	141.93 7.16 -49.57	137.69 7.42 -49.56	126.17 7.81 -35.21	126.95 7.35 -39.71	137.79 6.87 -54.57	141.89 8.20 -40.56	152.82 8.65 -22.38	152.82 9.18 -10.44	152.82 8.75 -19.04	152.82 7.11 -36.21	150.12 6.67 -43.86	144.53 7.14 -50.40	143.62 6.92 -53.25	144.18 6.71 -55.67	144.22 6.50 -58.48	150.50 6.67 -52.37	154.57 7.47 -44.74	216.92 9.87 -75.51	199.27 9.55 -64.06	154.57 8.10 -32.33	154.57 7.30 -44.49	159.45 6.51 -62.65	148.46 6.82 -57.39	146.66 7.33 -53.03
NORTHPORT___4 23650	141.93 7.16 -49.57	137.69 7.42 -49.56	126.17 7.81 -35.21	126.95 7.35 -39.71	137.79 6.87 -54.57	141.89 8.20 -40.56	152.82 8.65 -22.38	152.82 9.18 -10.44	152.82 8.75 -19.04	152.82 7.11 -36.21	150.12 6.67 -43.86	144.53 7.14 -50.40	143.62 6.92 -53.25	144.18 6.71 -55.67	144.22 6.50 -58.48	150.50 6.67 -52.37	154.57 7.47 -44.74	216.92 9.87 -75.51	199.27 9.55 -64.06	154.57 8.10 -32.33	154.57 7.30 -44.49	159.45 6.51 -62.65	148.46 6.82 -57.39	146.66 7.33 -53.03
NORTHPORT___IC 23718	143.47 8.69 -49.57	138.58 8.31 -49.56	126.84 8.49 -35.21	127.76 8.15 -39.71	138.78 7.87 -54.57	143.85 10.15 -40.56	163.04 11.08 -30.17	189.17 11.99 -43.99	169.54 11.12 -33.39	162.46 9.08 -43.89	152.02 8.57 -43.86	146.01 8.61 -50.40	145.21 8.52 -53.25	145.65 8.18 -55.67	145.64 7.92 -58.48	152.80 8.97 -52.38	159.73 9.73 -47.65	219.69 12.63 -75.52	201.92 12.19 -64.07	182.50 10.15 -58.21	164.73 9.25 -52.70	161.17 8.22 -62.66	150.24 8.60 -57.39	148.04 8.71 -53.03
NORTH___COUNTRY_ESR 323785	83.50 -1.70 0.00	79.17 -1.54 0.00	81.49 -1.66 0.00	78.46 -1.44 0.00	74.98 -1.37 0.00	91.55 -1.58 0.00	118.51 -3.28 0.00	129.73 -3.46 0.00	121.53 -3.50 0.00	107.53 -1.97 0.00	97.69 -1.90 0.00	85.34 -1.66 0.00	82.11 -1.34 0.00	80.41 -1.39 0.00	78.05 -1.19 0.00	89.36 -2.10 0.00	100.72 -1.64 0.00	127.85 -3.68 0.00	122.53 -3.14 0.00	112.43 -1.71 0.00	101.34 -1.44 0.00	88.76 -1.54 0.00	82.99 -1.26 0.00	85.35 -0.95 0.00
NPX_GEN_1385_PROXY 323591	142.27 7.50 -49.57	136.40 6.13 -49.56	124.51 6.15 -35.21	126.00 6.39 -39.71	137.10 6.18 -54.57	143.56 9.87 -40.56	162.19 10.23 -30.17	189.30 12.12 -43.99	168.67 10.25 -33.39	161.93 8.55 -43.89	150.52 7.07 -43.86	144.36 6.96 -50.40	143.71 7.01 -53.25	144.18 6.71 -55.67	144.14 6.42 -58.48	152.24 8.41 -52.38	158.60 8.60 -47.65	216.65 9.60 -75.52	199.79 10.06 -64.07	179.88 7.53 -58.21	162.88 7.40 -52.70	160.00 7.05 -62.66	149.39 7.75 -57.39	146.83 7.50 -53.03
NPX_GEN_CSC 323557	146.87 12.09 -49.57	141.89 11.62 -49.56	130.08 11.73 -35.21	130.79 11.19 -39.71	141.84 10.92 -54.57	147.47 13.78 -40.56	167.71 16.08 -29.85	192.98 17.19 -42.60	173.58 15.75 -32.79	165.78 12.70 -43.59	155.60 12.15 -43.86	148.97 11.57 -50.40	148.22 11.52 -53.25	148.27 10.80 -55.67	148.58 10.86 -58.48	156.09 12.26 -52.38	163.80 13.92 -47.53	224.69 17.63 -75.52	206.58 16.85 -64.07	185.54 14.27 -57.14	167.88 12.74 -52.36	164.06 11.10 -62.66	152.52 10.87 -57.39	150.29 10.96 -53.03
NSINS_S_GLNS_FALLS 23858	150.50 7.07 -58.22	137.81 6.54 -50.57	131.93 6.07 -42.71	132.10 5.67 -46.53	133.89 5.19 -52.35	143.12 5.96 -44.02	171.98 10.84 -39.35	203.06 11.59 -58.28	177.68 11.00 -41.64	174.82 9.20 -56.12	160.20 7.77 -52.84	154.25 6.70 -60.55	153.69 6.43 -63.82	152.51 6.38 -64.33	157.34 6.26 -71.84	161.06 7.41 -62.20	167.25 9.11 -55.78	213.55 12.76 -69.25	192.15 12.19 -54.29	183.78 10.84 -58.80	176.34 9.15 -64.41	175.90 7.58 -78.02	161.33 6.57 -70.51	150.20 6.30 -57.60
NUCOR_STEEL___DRP 24197	91.81 0.94 -5.67	86.44 0.81 -4.93	88.14 0.83 -4.16	85.23 0.80 -4.53	82.37 0.92 -5.10	98.45 1.02 -4.29	127.94 2.31 -3.83	141.40 2.53 -5.68	131.22 2.13 -4.06	116.50 1.53 -5.47	105.93 1.20 -5.15	93.77 0.87 -5.91	90.14 0.58 -6.11	88.61 0.65 -6.16	86.67 0.55 -6.88	98.51 1.10 -5.95	109.03 1.33 -5.34	140.67 2.50 -6.64	133.26 2.39 -5.20	121.71 1.94 -5.64	110.39 1.44 -6.17	98.76 0.99 -7.47	91.60 0.59 -6.75	92.68 0.86 -5.52
NUMBER_THREE_WT_PWR 323818	88.15 1.19 -1.75	83.20 0.97 -1.52	85.51 1.08 -1.28	82.33 1.04 -1.40	78.99 1.07 -1.57	96.14 1.68 -1.32	126.38 3.41 -1.18	139.08 4.13 -1.75	129.78 3.50 -1.25	114.14 2.96 -1.69	103.47 2.29 -1.59	90.56 1.74 -1.82	86.95 1.58 -1.92	85.37 1.64 -1.93	82.98 1.58 -2.16	95.88 2.56 -1.87	107.31 3.27 -1.68	137.82 4.21 -2.08	131.07 3.77 -1.63	118.87 2.96 -1.77	107.18 2.46 -1.94	94.63 1.98 -2.34	87.64 1.27 -2.12	89.07 1.04 -1.73
NYISO_LBMP_REFERENCE 24008	85.20 0.00 0.00	80.71 0.00 0.00	83.15 0.00 0.00	79.90 0.00 0.00	76.35 0.00 0.00	93.14 0.00 0.00	121.79 0.00 0.00	133.19 0.00 0.00	125.03 0.00 0.00	109.49 0.00 0.00	99.59 0.00 0.00	87.00 0.00 0.00	83.45 0.00 0.00	81.80 0.00 0.00	79.24 0.00 0.00	91.46 0.00 0.00	102.36 0.00 0.00	131.54 0.00 0.00	125.67 0.00 0.00	114.14 0.00 0.00	102.78 0.00 0.00	90.30 0.00 0.00	84.25 0.00 0.00	86.30 0.00 0.00
NYPA_BRENTWD___GT 24164	144.91 10.13 -49.57	139.95 9.68 -49.56	128.25 9.89 -35.21	129.03 9.42 -39.71	140.08 9.16 -54.57	145.43 11.74 -40.56	165.13 13.76 -29.58	189.44 14.78 -41.47	170.97 13.63 -32.31	164.02 11.17 -43.35	154.00 10.55 -43.86	147.57 10.17 -50.40	146.62 9.93 -53.25	147.12 9.65 -55.67	147.07 9.35 -58.48	154.53 10.70 -52.38	161.76 11.97 -47.43	222.97 15.91 -75.52	204.93 15.20 -64.07	183.30 12.89 -56.26	166.47 11.61 -52.09	163.06 10.11 -62.66	151.75 10.11 -57.39	149.51 10.18 -53.03
NYPA_GOWANUS___GT5 24156	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31
NYPA_GOWANUS___GT6 24157	139.21 8.35 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.13 7.75 -36.48	124.88 7.49 -41.05	136.97 9.31 -34.52	164.95 12.30 -30.86	213.00 13.19 -66.62	205.00 12.62 -67.35	205.55 10.95 -85.11	212.72 10.05 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	198.01 7.68 -111.08	240.85 9.23 -140.16	299.25 10.23 -186.65	456.15 13.42 -311.19	441.53 12.82 -303.04	328.63 11.52 -202.97	213.56 10.38 -100.41	243.11 9.12 -143.70	173.08 8.60 -80.23	139.97 8.37 -45.31

NYPA_HARLEM__RVR__GT1 24160	138.86	127.94	124.62	124.06	124.65	136.69	164.46	223.05	174.07	168.45	157.57	255.90	148.64	147.47	226.61	159.27	165.12	270.52	253.34	219.60	169.47	163.62	151.00	139.56
	8.01	7.58	7.98	7.67	7.26	9.03	11.81	12.39	11.88	10.29	9.56	8.27	7.84	7.69	7.37	8.69	9.62	12.23	11.69	10.49	9.66	8.67	8.17	8.03
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-77.47	-37.15	-48.66	-48.42	-160.63	-57.35	-57.98	-140.00	-59.12	-53.14	-126.75	-115.99	-94.97	-57.03	-64.65	-58.58	-45.24
NYPA_HARLEM__RVR__GT2 24161	138.86	127.94	124.62	124.06	124.65	136.69	164.46	223.05	174.07	168.45	157.57	255.90	148.64	147.47	226.61	159.27	165.12	270.52	253.34	219.60	169.47	163.62	151.00	139.56
	8.01	7.58	7.98	7.67	7.26	9.03	11.81	12.39	11.88	10.29	9.56	8.27	7.84	7.69	7.37	8.69	9.62	12.23	11.69	10.49	9.66	8.67	8.17	8.03
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-77.47	-37.15	-48.66	-48.42	-160.63	-57.35	-57.98	-140.00	-59.12	-53.14	-126.75	-115.99	-94.97	-57.03	-64.65	-58.58	-45.24
NYPA_KENT____GT 24152	139.04	128.19	124.70	124.06	124.80	136.88	164.72	212.73	204.76	205.34	212.53	217.07	198.04	198.35	197.93	240.68	268.89	381.90	366.25	285.50	213.26	217.53	172.91	139.89
	8.18	7.83	8.06	7.67	7.40	9.22	12.06	12.92	12.38	10.74	9.86	8.53	8.09	7.93	7.61	9.06	10.04	13.02	12.44	11.19	10.08	8.94	8.42	8.29
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-121.54	-106.50	-108.62	-111.08	-140.16	-156.50	-237.34	-228.14	-160.17	-100.41	-118.29	-80.23	-45.31
NYPA_POUCH1____GT 24155	138.96	128.11	124.54	123.89	124.65	136.60	164.47	212.47	204.50	205.12	212.23	222.95	202.39	202.77	197.61	240.49	298.74	455.48	441.03	328.18	213.15	242.85	172.74	139.63
	8.10	7.75	7.90	7.51	7.26	8.94	11.81	12.66	12.12	10.51	9.56	8.27	7.84	7.61	7.29	8.87	9.73	12.76	12.32	11.07	9.97	8.85	8.26	8.03
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-127.68	-111.10	-113.36	-111.08	-140.16	-186.65	-311.19	-303.04	-202.97	-100.41	-143.70	-80.23	-45.31
NYPA_VERNON____GT2 24162	138.86	128.11	124.54	123.98	124.65	136.88	164.60	212.47	204.50	205.12	212.43	216.98	197.96	198.20	197.77	240.49	238.43	307.66	290.98	242.36	212.95	191.93	172.65	139.71
	8.01	7.75	7.90	7.59	7.26	9.22	11.94	12.66	12.12	10.51	9.77	8.44	8.01	7.78	7.45	8.87	9.73	12.63	12.07	10.85	9.77	8.76	8.17	8.11
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-121.54	-106.50	-108.62	-111.08	-140.16	-126.35	-163.50	-153.25	-117.38	-100.41	-92.88	-80.23	-45.31
NYPA_VERNON____GT3 24163	138.86	128.11	124.54	123.98	124.65	136.88	164.60	212.47	204.50	205.12	212.43	216.98	197.96	198.20	197.77	240.49	238.43	307.66	290.98	242.36	212.95	191.93	172.65	139.71
	8.01	7.75	7.90	7.59	7.26	9.22	11.94	12.66	12.12	10.51	9.77	8.44	8.01	7.78	7.45	8.87	9.73	12.63	12.07	10.85	9.77	8.76	8.17	8.11
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-121.54	-106.50	-108.62	-111.08	-140.16	-126.35	-163.50	-153.25	-117.38	-100.41	-92.88	-80.23	-45.31
NYPA__ASTORIA_CC1 323568	138.78	128.03	124.54	123.89	124.65	136.79	164.47	212.33	204.38	204.89	212.23	216.81	197.79	198.11	197.69	240.40	228.09	282.35	265.32	227.61	212.84	183.22	172.65	139.71
	7.93	7.67	7.90	7.51	7.26	9.13	11.81	12.52	12.00	10.29	9.56	8.27	7.84	7.69	7.37	8.78	9.62	12.36	11.81	10.62	9.66	8.67	8.17	8.11
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-121.54	-106.50	-108.62	-111.08	-140.16	-116.12	-138.45	-127.84	-102.86	-100.41	-84.26	-80.23	-45.31
NYPA__ASTORIA_CC2 323569	138.78	128.03	124.54	123.89	124.65	136.79	164.47	212.33	204.38	204.89	212.23	216.81	197.79	198.11	197.69	240.40	228.09	282.35	265.32	227.61	212.84	183.22	172.65	139.71
	7.93	7.67	7.90	7.51	7.26	9.13	11.81	12.52	12.00	10.29	9.56	8.27	7.84	7.69	7.37	8.78	9.62	12.36	11.81	10.62	9.66	8.67	8.17	8.11
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-66.62	-67.35	-85.11	-103.08	-121.54	-106.50	-108.62	-111.08	-140.16	-116.12	-138.45	-127.84	-102.86	-100.41	-84.26	-80.23	-45.31
NYPA__HOLTSVILL 23794	144.99	140.19	128.41	129.19	140.23	145.43	165.22	190.47	171.19	163.99	153.90	147.48	146.62	147.04	147.07	154.44	161.57	222.44	204.31	183.94	166.31	162.80	151.58	149.42
	10.22	9.92	10.06	9.58	9.31	11.74	13.52	14.39	13.25	10.84	10.45	10.09	9.93	9.57	9.35	10.60	11.66	15.38	14.57	12.44	11.10	9.84	9.94	10.09
	-49.57	-49.56	-35.21	-39.71	-54.57	-40.56	-29.91	-42.88	-32.92	-43.65	-43.86	-50.40	-53.25	-55.67	-58.48	-52.38	-47.55	-75.52	-64.07	-57.36	-52.43	-62.66	-57.39	-53.03
NYPA____HELLGATE_GT1 24158	138.86	127.94	124.62	124.06	124.65	136.69	164.46	193.99	222.29	226.65	244.86	151.13	227.13	228.35	149.14	288.66	265.67	270.52	253.34	219.60	238.73	194.81	185.58	139.69
	8.01	7.58	7.98	7.67	7.26	9.03	11.81	12.39	11.88	10.29	9.56	8.27	7.84	7.69	7.37	8.69	9.62	12.23	11.69	10.49	9.66	8.67	8.17	8.03
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-48.40	-85.37	-106.86	-135.72	-55.86	-135.84	-138.86	-62.53	-188.51	-153.69	-126.75	-115.99	-94.97	-126.29	-95.84	-93.15	-45.36
NYPA____HELLGATE_GT2 24159	138.86	127.94	124.62	124.06	124.65	136.69	164.46	193.99	222.29	226.65	244.86	151.13	227.13	228.35	149.14	288.66	265.67	270.52	253.34	219.60	238.73	194.81	185.58	139.69
	8.01	7.58	7.98	7.67	7.26	9.03	11.81	12.39	11.88	10.29	9.56	8.27	7.84	7.69	7.37	8.69	9.62	12.23	11.69	10.49	9.66	8.67	8.17	8.03
	-45.65	-39.65	-33.49	-36.48	-41.05	-34.52	-30.86	-48.40	-85.37	-106.86	-135.72	-55.86	-135.84	-138.86	-62.53	-188.51	-153.69	-126.75	-115.99	-94.97	-126.29	-95.84	-93.15	-45.36
NYS_BARGE__HYD 23848	87.51	82.30	83.64	80.91	78.13	93.63	120.51	130.97	121.07	107.69	98.14	86.74	83.43	82.14	80.40	91.76	100.53	129.76	122.12	111.76	101.42	90.98	85.22	87.53
	-4.26	-4.11	-4.33	-4.24	-4.12	-4.47	-5.72	-8.79	-8.63	-8.10	-7.37	-7.04	-7.18	-6.87	-6.89	-6.67	-8.09	-9.60	-9.67	-9.02	-8.63	-8.13	-6.99	-5.27
	-6.57	-5.70	-4.82	-5.25	-5.90	-4.96	-4.44	-6.57	-4.67	-6.29	-5.93	-6.79	-7.15	-7.21	-8.05	-6.97	-6.26	-7.82	-6.13	-6.64	-7.27	-8.81	-7.96	-6.50
OAK ORCHARD__HYD 24046	89.65	84.33	86.01	83.08	80.11	96.36	125.06	136.98	127.11	112.47	102.55	90.48	86.98	85.43	83.55	95.54	105.34	136.09	128.42	117.29	106.37	94.88	88.49	90.23
	-0.94	-1.05	-1.08	-1.12	-1.07	-0.84	-0.36	-1.59	-1.75	-2.19	-1.90	-2.09	-2.34	-2.29	-2.30	-1.64	-2.15	-1.84	-2.26	-2.28	-2.36	-2.62	-2.27	-1.38
	-5.38	-4.67	-3.95	-4.30	-4.84	-4.07	-3.63	-5.38	-3.83	-5.16	-4.86	-5.57	-5.87	-5.92	-6.61	-5.72	-5.14	-6.40	-5.01	-5.43	-5.95	-7.21	-6.51	-5.32
OAKDALE__35_KV_LOAD 356122	100.89	94.40	94.87	92.56	90.45	105.47	134.01	149.91	137.15	124.79	113.86	102.96	99.99	98.47	97.82	108.07	117.52	151.08	141.43	130.65	120.38	110.95	102.69	101.96
	0.85	0.81	0.83	0.80	0.76	1.12	2.19	1.86	1.50	0.99	0.80	0.52	0.25	0.25	0.24	0.73	0.92	1.84	1.89	1.48	1.13	0.72	0.42	0.95
	-14.84	-12.89	-10.88	-11.86	-13.34	-11.22	-10.03	-14.85	-10.62	-14.31	-13.47	-15.44	-16.29	-16.43	-18.34	-15.88	-14.24	-17.70	-13.88	-15.03	-16.47	-19.93	-18.01	-14.72
OCC_CHEM__DRP 24175	86.23	81.15	82.44	79.69	77.37	92.18	118.31	127.95	118.32	105.33	96.00	85.00	81.86	80.45	78.87	89.92	99.15	127.41	120.73	110.29	100.23	89.76	83.91	86.58
	-5.71	-5.41	-5.65	-5.59	-5.04	-6.05	-8.04	-11.99	-11.50	-10.62	-9.66	-8.96	-8.93	-8.75	-8.64	-8.69	-9.62	-12.10	-11.18	-10.61	-9.97	-9.57	-8.51	-6.39
	-6.74	-5.85	-4.94	-5.38	-6.06	-5.09	-4.55	-6.74	-4.79	-6.45	-6.08	-6.96	-7.34	-7.40	-8.26	-7.15	-6.41	-7.97	-6.25	-6.77	-7.42	-9.04	-8.17	-6.67

OH_GEN_PROXY 24063	78.15 -5.03 2.03	72.78 -4.76 3.17	72.99 -4.99 5.17	73.13 -4.95 1.82	73.54 -4.73 -1.93	92.85 -5.30 -5.02	119.46 -6.82 -4.49	129.71 -10.13 -6.64	120.00 -9.75 -4.72	106.77 -9.09 -6.36	97.31 -8.26 -5.99	86.12 -7.74 -6.87	78.17 -7.76 -2.48	76.20 -7.52 -1.92	79.94 -7.45 -8.15	91.01 -7.50 -7.05	99.99 -8.70 -6.33	128.79 -10.65 -7.90	121.31 -10.56 -6.20	111.15 -9.70 -6.71	100.98 -9.15 -7.35	90.71 -8.49 -8.91	85.01 -7.25 -8.00	87.26 -5.61 -6.57
OLIN_CORP_DRP 24177	86.38 -5.62 -6.80	81.29 -5.33 -5.91	82.57 -5.57 -4.99	79.82 -5.51 -5.44	77.35 -5.12 -6.12	92.32 -5.96 -5.14	118.96 -7.43 -4.60	128.81 -11.19 -6.81	119.11 -10.75 -4.83	105.94 -10.07 -6.51	96.66 -9.06 -6.13	85.50 -8.53 -7.03	82.34 -8.51 -7.41	80.92 -8.34 -7.47	79.42 -8.16 -8.34	90.54 -8.14 -7.22	99.82 -9.01 -6.47	128.27 -11.31 -8.05	121.55 -10.43 -6.31	111.04 -9.93 -6.83	100.81 -9.46 -7.49	90.30 -9.12 -9.13	84.41 -8.09 -8.25	86.91 -6.13 -6.74
OLIN_CORP_DSASP 323712	86.14 -5.80 -6.74	81.07 -5.49 -5.85	82.36 -5.74 -4.94	79.69 -5.60 -5.38	76.99 -5.42 -6.06	92.08 -6.15 -5.09	117.70 -8.64 -4.55	127.68 -12.25 -6.74	117.94 -11.88 -4.79	105.11 -10.84 -6.45	95.80 -9.86 -6.08	84.83 -9.13 -6.96	81.69 -9.09 -7.34	80.36 -8.84 -7.40	78.70 -8.80 -8.26	89.74 -8.87 -7.15	98.44 -10.33 -6.42	126.80 -12.76 -8.02	119.27 -12.69 -6.29	109.31 -11.64 -6.81	99.34 -10.90 -7.46	89.31 -10.03 -9.04	83.83 -8.59 -8.17	86.24 -6.73 -6.67
ONEIDA_HERK_LFGE 323681	89.61 2.81 -1.60	84.68 2.58 -1.39	86.98 2.66 -1.17	83.73 2.56 -1.28	80.30 2.52 -1.43	97.79 3.45 -1.21	128.48 5.61 -1.08	141.18 6.39 -1.60	131.93 5.75 -1.14	115.96 4.93 -1.54	105.22 4.18 -1.45	92.14 3.48 -1.66	88.45 3.25 -1.75	86.75 3.19 -1.76	84.22 3.01 -1.97	97.28 4.12 -1.70	108.70 4.81 -1.53	139.75 6.31 -1.90	132.94 5.78 -1.49	120.54 4.79 -1.61	108.66 4.12 -1.77	95.95 3.52 -2.14	88.88 2.70 -1.93	90.55 2.68 -1.58
ONEIDA___115KV_TB4 55905	91.76 3.75 -2.81	86.62 3.47 -2.44	88.87 3.66 -2.06	85.66 3.52 -2.24	82.31 3.44 -2.52	99.82 4.56 -2.12	130.87 7.19 -1.90	143.99 7.99 -2.81	134.29 7.25 -2.01	118.33 6.13 -2.71	107.61 5.48 -2.55	94.44 4.52 -2.92	90.70 4.17 -3.08	88.99 4.09 -3.10	86.59 3.88 -3.46	99.58 5.12 -3.00	110.78 5.73 -2.69	142.38 7.50 -3.34	135.20 6.91 -2.62	122.91 5.94 -2.84	110.92 5.04 -3.11	98.30 4.24 -3.76	91.11 3.45 -3.40	92.61 3.54 -2.78
ONONDAGA_REF_OCCRA 23987	90.64 0.34 -5.10	85.38 0.24 -4.43	87.06 0.17 -3.74	84.13 0.16 -4.07	81.08 0.15 -4.58	97.08 0.09 -3.85	126.09 0.85 -3.45	139.23 0.93 -5.10	129.43 0.75 -3.65	114.85 0.44 -4.92	104.51 0.30 -4.63	92.48 0.17 -5.30	88.95 -0.08 -5.59	87.43 0.00 -5.63	85.53 0.00 -6.29	97.18 0.27 -5.44	107.65 0.41 -4.88	138.66 1.05 -6.07	131.43 1.01 -4.76	119.98 0.68 -5.15	108.83 0.41 -5.64	97.40 0.27 -6.83	90.51 0.08 -6.17	91.69 0.35 -5.04
ONONDAGA___COGEN 23986	90.29 0.34 -4.75	85.07 0.24 -4.12	86.80 0.17 -3.48	83.85 0.16 -3.79	80.77 0.15 -4.27	96.82 0.09 -3.59	125.85 0.85 -3.21	138.88 0.93 -4.75	129.18 0.75 -3.40	114.40 0.33 -4.58	104.09 0.20 -4.31	92.02 0.09 -4.94	88.45 -0.17 -5.17	86.93 -0.08 -5.21	84.99 -0.08 -5.82	96.68 0.18 -5.04	107.19 0.31 -4.52	138.21 1.05 -5.62	130.95 0.88 -4.41	119.48 0.57 -4.77	108.42 0.41 -5.23	96.81 0.18 -6.33	89.97 0.00 -5.72	91.23 0.26 -4.67
ONTARIO___LFGE 23819	94.29 1.10 -7.98	89.17 1.53 -6.93	90.42 1.41 -5.85	87.79 1.51 -6.38	85.13 1.61 -7.17	100.75 1.58 -6.03	131.20 4.01 -5.39	145.44 4.26 -7.99	134.01 3.25 -5.74	119.30 2.08 -7.73	108.55 1.69 -7.28	96.30 0.96 -8.34	93.24 1.00 -8.79	91.80 1.14 -8.86	90.16 1.03 -9.89	101.30 1.28 -8.57	111.78 1.74 -7.69	145.11 4.08 -9.49	136.76 3.65 -7.44	125.16 2.96 -8.06	113.66 2.05 -8.83	102.26 1.26 -10.70	94.43 0.51 -9.67	95.14 0.95 -7.90
ORANGEVILLE_WT_PWR 323706	90.56 -2.98 -8.35	85.06 -2.90 -7.25	86.20 -3.07 -6.12	83.53 -3.04 -6.67	80.95 -2.90 -7.50	96.28 -3.17 -6.31	123.78 -3.65 -5.64	135.69 -5.86 -8.35	125.13 -5.87 -5.98	111.85 -5.70 -8.06	101.99 -5.18 -7.59	90.64 -5.05 -8.69	87.35 -5.25 -9.16	85.96 -5.07 -9.23	84.48 -5.07 -10.31	95.54 -4.85 -8.93	104.84 -5.53 -8.01	135.30 -6.18 -9.95	127.06 -6.40 -7.80	116.53 -6.05 -8.45	106.07 -5.96 -9.25	95.82 -5.69 -11.21	89.33 -5.05 -10.13	90.95 -3.62 -8.27
ORANGEVILLE___ESR 323794	90.56 -2.98 -8.35	85.06 -2.90 -7.25	86.20 -3.07 -6.12	83.53 -3.04 -6.67	80.95 -2.90 -7.50	96.28 -3.17 -6.31	123.78 -3.65 -5.64	135.69 -5.86 -8.35	125.13 -5.87 -5.98	111.85 -5.70 -8.06	101.99 -5.18 -7.59	90.64 -5.05 -8.69	87.35 -5.25 -9.16	85.96 -5.07 -9.23	84.48 -5.07 -10.31	95.54 -4.85 -8.93	104.84 -5.53 -8.01	135.30 -6.18 -9.95	127.06 -6.40 -7.80	116.53 -6.05 -8.45	106.07 -5.96 -9.25	95.82 -5.69 -11.21	89.33 -5.05 -10.13	90.95 -3.62 -8.27
OSWEGATCHIE___HYD 24044	83.73 -2.73 -1.26	79.22 -2.59 -1.09	81.41 -2.66 -0.92	78.43 -2.48 -1.01	75.11 -2.37 -1.13	91.10 -2.98 -0.95	119.23 -3.41 -0.85	131.26 -3.20 -1.26	122.68 -3.25 -0.90	108.19 -2.51 -1.21	98.14 -2.59 -1.14	85.96 -2.34 -1.31	82.66 -2.17 -1.38	81.06 -2.13 -1.39	78.73 -2.06 -1.55	90.70 -2.10 -1.34	101.61 -1.95 -1.21	130.01 -3.02 -1.50	123.96 -2.89 -1.17	112.79 -2.62 -1.27	101.81 -2.36 -1.39	89.73 -2.25 -1.69	83.51 -2.27 -1.52	84.87 -2.68 -1.24
OSWEGO___5 23606	86.96 -1.53 -3.28	82.11 -1.45 -2.85	84.07 -1.49 -2.41	81.09 -1.44 -2.62	77.93 -1.37 -2.95	93.85 -1.77 -2.48	121.94 -2.07 -2.22	134.22 -2.27 -3.29	125.13 -2.25 -2.35	110.57 -2.08 -3.16	100.57 -1.99 -2.98	88.58 -1.83 -3.41	85.21 -1.84 -3.59	83.62 -1.80 -3.62	81.54 -1.74 -4.05	93.22 -1.74 -3.50	103.45 -2.05 -3.14	133.20 -2.24 -3.91	126.34 -2.39 -3.06	115.17 -2.28 -3.32	104.25 -2.16 -3.63	92.80 -1.90 -4.40	86.38 -1.85 -3.98	87.90 -1.64 -3.25
OSWEGO___6 23613	86.96 -1.53 -3.28	82.11 -1.45 -2.85	84.07 -1.49 -2.41	81.09 -1.44 -2.62	77.93 -1.37 -2.95	93.85 -1.77 -2.48	121.94 -2.07 -2.22	134.22 -2.27 -3.29	125.13 -2.25 -2.35	110.57 -2.08 -3.16	100.57 -1.99 -2.98	88.58 -1.83 -3.41	85.21 -1.84 -3.59	83.62 -1.80 -3.62	81.54 -1.74 -4.05	93.22 -1.74 -3.50	103.45 -2.05 -3.14	133.20 -2.24 -3.91	126.34 -2.39 -3.06	115.17 -2.28 -3.32	104.25 -2.16 -3.63	92.80 -1.90 -4.40	86.38 -1.85 -3.98	87.90 -1.64 -3.25
OUTOKUMPU-AB___DRP 24206	88.41 -3.66 -6.87	83.12 -3.55 -5.96	84.45 -3.74 -5.04	81.63 -3.76 -5.49	79.08 -3.44 -6.17	94.32 -4.00 -5.19	121.80 -4.63 -4.64	132.07 -7.99 -6.87	122.28 -7.63 -4.88	108.73 -7.34 -6.57	99.10 -6.67 -6.19	87.74 -6.35 -7.09	84.41 -6.51 -7.48	83.04 -6.30 -7.54	81.40 -6.26 -8.42	92.71 -6.04 -7.29	102.34 -6.55 -6.53	131.77 -7.89 -8.12	124.75 -7.29 -6.37	113.84 -7.19 -6.90	103.34 -6.99 -7.55	92.47 -7.04 -9.21	86.34 -6.23 -8.32	88.87 -4.23 -6.80
OXBOW___BTM 323836	87.49 -4.52 -6.80	82.26 -4.36 -5.91	83.57 -4.57 -4.99	80.86 -4.47 -5.44	78.11 -4.35 -6.12	93.43 -4.85 -5.14	119.69 -6.70 -4.60	130.15 -9.85 -6.81	120.36 -9.51 -4.83	107.14 -8.87 -6.52	97.66 -8.06 -6.13	86.46 -7.57 -7.03	83.18 -7.68 -7.41	81.91 -7.36 -7.47	80.21 -7.37 -8.34	91.36 -7.32 -7.22	100.34 -8.49 -6.48	129.24 -10.39 -8.10	121.59 -10.43 -6.35	111.43 -9.59 -6.88	101.16 -9.15 -7.53	90.93 -8.49 -9.13	85.17 -7.33 -8.25	87.60 -5.43 -6.74

OXBOW____ 24026	87.57 -4.43 -6.80	82.34 -4.28 -5.91	83.65 -4.49 -4.99	80.86 -4.47 -5.44	78.42 -4.05 -6.12	93.53 -4.75 -5.14	120.42 -5.97 -4.60	130.41 -9.59 -6.81	120.61 -9.25 -4.83	107.36 -8.65 -6.52	97.85 -7.87 -6.13	86.63 -7.39 -7.03	83.35 -7.51 -7.41	81.99 -7.21 -7.47	80.37 -7.21 -8.34	91.64 -7.04 -7.22	101.05 -7.78 -6.48	129.98 -9.60 -8.05	123.18 -8.80 -6.31	112.41 -8.56 -6.83	102.04 -8.22 -7.49	91.30 -8.13 -9.13	85.34 -7.16 -8.25	87.94 -5.09 -6.74
OXY_CHEM_DSASP 323612	86.23 -5.71 -6.74	81.15 -5.41 -5.85	82.44 -5.65 -4.94	79.69 -5.59 -5.38	77.37 -5.04 -6.06	92.18 -6.05 -5.09	118.31 -8.04 -4.55	127.95 -11.99 -6.74	118.32 -11.50 -4.79	105.33 -10.62 -6.45	96.00 -9.66 -6.08	85.00 -8.96 -6.96	81.86 -8.93 -7.34	80.45 -8.75 -7.40	78.87 -8.64 -8.26	89.92 -8.69 -7.15	99.15 -9.62 -6.41	127.41 -12.10 -7.97	120.73 -11.18 -6.25	110.29 -10.61 -6.77	100.23 -9.97 -7.42	89.76 -9.57 -9.04	83.91 -8.51 -8.17	86.58 -6.39 -6.67
OZONE_PARK_ESR 323760	139.12 8.26 -45.65	128.34 7.99 -39.64	124.78 8.15 -33.48	124.13 7.75 -36.48	124.95 7.56 -41.04	137.24 9.59 -34.52	164.71 12.06 -30.86	209.59 13.45 -62.94	199.03 12.75 -61.25	198.20 10.95 -77.75	201.79 10.16 -92.05	204.16 8.87 -108.29	188.46 8.43 -96.58	188.47 8.26 -98.40	188.37 7.84 -101.28	224.42 9.15 -123.81	215.97 10.24 -103.38	271.55 13.29 -126.73	254.33 12.69 -115.97	220.62 11.53 -94.96	204.71 10.28 -91.65	179.74 9.21 -80.24	168.79 8.68 -75.86	140.22 8.63 -45.29
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	86.23 -5.71 -6.74	81.15 -5.41 -5.85	82.44 -5.65 -4.94	79.69 -5.59 -5.38	77.37 -5.04 -6.06	92.18 -6.05 -5.09	118.31 -8.04 -4.55	127.95 -11.99 -6.74	118.32 -11.50 -4.79	105.33 -10.62 -6.45	96.00 -9.66 -6.08	85.00 -8.96 -6.96	81.86 -8.93 -7.34	80.45 -8.75 -7.40	78.87 -8.64 -8.26	89.92 -8.69 -7.15	99.15 -9.62 -6.41	127.41 -12.10 -7.97	120.73 -11.18 -6.25	110.29 -10.61 -6.77	100.23 -9.97 -7.42	89.76 -9.57 -9.04	83.91 -8.51 -8.17	86.58 -6.39 -6.67
PACKARD__115KV_DUPONT_184 80571	86.23 -5.71 -6.74	81.15 -5.41 -5.85	82.44 -5.65 -4.94	79.69 -5.59 -5.38	77.37 -5.04 -6.06	92.18 -6.05 -5.09	118.31 -8.04 -4.55	127.95 -11.99 -6.74	118.32 -11.50 -4.79	105.33 -10.62 -6.45	96.00 -9.66 -6.08	85.00 -8.96 -6.96	81.86 -8.93 -7.34	80.45 -8.75 -7.40	78.87 -8.64 -8.26	89.92 -8.69 -7.15	99.15 -9.62 -6.41	127.41 -12.10 -7.97	120.73 -11.18 -6.25	110.29 -10.61 -6.77	100.23 -9.97 -7.42	89.76 -9.57 -9.04	83.91 -8.51 -8.17	86.58 -6.39 -6.67
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	138.61 7.75 -45.65	127.70 7.34 -39.65	124.29 7.65 -33.49	123.82 7.43 -36.48	124.42 7.02 -41.05	136.41 8.75 -34.52	163.13 10.47 -30.86	191.54 11.45 -46.90	170.68 11.00 -34.65	164.55 9.42 -45.64	152.34 8.86 -43.89	145.16 7.74 -50.42	144.08 7.34 -53.28	142.78 7.20 -53.79	144.64 6.89 -58.51	151.91 8.05 -52.41	159.36 9.11 -47.89	269.86 9.11 -126.75	252.84 11.18 -115.99	219.15 10.04 -94.97	165.37 9.15 -53.44	161.55 8.22 -63.04	148.71 7.67 -56.79	139.21 7.68 -45.23
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	139.80 8.95 -45.65	128.91 8.56 -39.65	125.54 8.90 -33.49	125.01 8.63 -36.48	125.56 8.17 -41.05	137.81 10.15 -34.52	164.83 12.18 -30.86	193.41 13.32 -46.90	172.31 12.63 -34.65	166.09 10.95 -45.64	153.63 10.16 -43.89	146.21 8.79 -50.42	145.08 8.34 -53.28	143.85 8.26 -53.79	145.60 7.84 -58.51	153.01 9.15 -52.41	160.69 10.44 -47.89	271.70 13.42 -126.75	254.47 12.82 -115.99	220.75 11.64 -94.97	166.70 10.48 -53.44	162.72 9.39 -63.04	149.89 8.85 -56.79	140.42 8.89 -45.23
PATROON__115KV_TB1 80586	145.90 3.75 -56.95	133.63 3.47 -49.46	128.49 3.58 -41.77	128.76 3.36 -45.51	130.83 3.28 -51.20	139.55 3.35 -43.06	165.27 4.99 -38.49	195.52 5.33 -57.00	170.88 5.13 -40.73	168.77 4.38 -54.89	155.15 3.88 -51.68	149.61 3.39 -59.22	149.03 3.17 -62.42	147.91 3.19 -62.92	152.60 3.09 -70.27	155.95 3.66 -60.83	161.21 4.30 -54.56	204.91 5.66 -67.72	184.29 5.53 -53.09	176.55 4.91 -57.50	169.98 4.21 -62.99	170.18 3.61 -76.27	156.46 3.29 -68.92	146.49 3.88 -56.31
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	87.74 -4.94 -7.48	82.44 -4.76 -6.49	83.73 -4.91 -5.48	81.00 -4.87 -5.97	78.49 -4.58 -6.72	93.48 -5.31 -5.65	121.00 -5.85 -5.05	132.02 -8.66 -7.48	122.07 -8.25 -5.30	108.86 -7.77 -7.14	99.24 -7.07 -6.72	88.00 -6.70 -7.70	84.72 -6.84 -8.12	83.28 -6.71 -8.18	81.80 -6.58 -9.14	92.88 -6.49 -7.91	102.29 -7.17 -7.10	131.67 -8.68 -8.82	124.67 -7.92 -6.91	113.98 -7.65 -7.49	103.48 -7.50 -8.20	92.84 -7.49 -10.03	86.41 -6.91 -9.07	88.53 -5.18 -7.41
PAWLING_115_KV_BK3_REV_LBMP_H 345028	140.62 8.52 -46.90	129.51 8.07 -40.73	125.86 8.32 -34.40	125.45 8.07 -37.48	126.07 7.56 -42.16	138.28 9.69 -35.46	166.27 12.79 -31.69	194.52 14.38 -46.94	171.95 13.38 -33.54	165.87 11.17 -45.21	152.81 10.66 -42.56	144.73 8.96 -48.77	143.45 8.60 -51.40	141.96 8.34 -51.82	145.19 8.08 -57.87	151.07 9.51 -50.10	157.52 10.24 -44.93	200.56 13.94 -55.08	182.05 13.20 -43.18	172.78 11.87 -46.77	164.81 10.79 -51.24	162.02 9.66 -62.06	148.93 8.59 -56.08	140.65 8.54 -45.81
PEEKSKILL____ 23653	136.77 6.47 -45.09	126.17 6.30 -39.16	122.72 6.49 -33.08	122.09 6.15 -36.04	122.85 5.96 -40.54	134.87 7.64 -34.10	162.01 9.75 -30.48	189.75 10.52 -46.03	168.90 10.12 -33.74	162.84 8.65 -44.69	150.32 7.97 -42.76	142.97 6.87 -49.10	141.89 6.59 -51.85	140.51 6.38 -52.32	142.61 6.10 -57.27	149.48 7.14 -50.89	156.71 7.99 -46.36	211.52 10.39 -69.59	193.79 9.93 -58.20	179.37 8.91 -56.32	162.81 7.91 -52.12	159.04 7.13 -61.61	146.68 6.65 -55.78	137.73 6.74 -44.70
PGE MADISON__WINDPWR 24146	108.88 9.29 -14.39	101.85 8.64 -12.50	102.69 8.98 -10.56	100.27 8.87 -11.50	97.99 8.70 -12.94	115.85 11.83 -10.88	149.54 18.02 -9.73	167.98 20.38 -14.40	152.89 17.50 -10.35	137.58 14.13 -13.95	125.17 12.45 -13.14	112.49 10.44 -15.05	108.74 9.43 -15.87	107.44 9.65 -15.99	106.21 9.11 -17.86	118.81 11.88 -15.46	130.37 14.13 -13.88	167.96 19.20 -17.22	157.52 18.35 -13.50	144.16 15.40 -14.62	131.96 13.16 -16.02	120.89 11.19 -19.40	110.97 9.19 -17.53	110.11 9.49 -14.32
PIERCEFIELD__HYD 23852	80.18 -5.03 0.00	75.87 -4.84 0.00	78.25 -4.91 0.00	75.27 -4.63 0.00	71.84 -4.50 0.00	87.17 -5.96 0.00	113.51 -8.28 0.00	124.67 -8.52 0.00	117.03 -8.00 0.00	103.36 -6.13 0.00	93.81 -5.78 0.00	81.95 -5.05 0.00	78.94 -4.51 0.00	77.30 -4.50 0.00	75.04 -4.20 0.00	86.06 -5.40 0.00	96.63 -5.73 0.00	122.99 -8.55 0.00	117.50 -8.17 0.00	107.40 -6.73 0.00	96.92 -5.86 0.00	84.97 -5.33 0.00	79.96 -4.30 0.00	81.38 -4.92 0.00
PINELAWN_CC_1 323563	144.23 9.46 -49.57	139.39 9.12 -49.56	127.67 9.31 -35.21	128.47 8.87 -39.71	139.54 8.62 -54.57	144.68 10.98 -40.56	165.27 13.28 -30.20	191.58 14.26 -44.13	171.87 13.38 -33.45	164.51 10.95 -44.06	153.71 10.26 -43.87	147.05 9.66 -50.40	146.04 9.34 -53.25	146.63 9.16 -55.67	146.59 8.87 -58.48	154.08 10.24 -52.38	161.48 11.46 -47.66	222.31 15.25 -75.52	204.31 14.57 -64.07	185.01 12.56 -58.32	166.72 11.20 -52.74	162.80 9.84 -62.66	151.24 9.60 -57.39	148.99 9.66 -53.03
PJM_GEN_HTP_PROXY 323702	138.26 7.41 -45.64	127.53 7.18 -39.64	123.95 7.32 -33.48	123.32 6.95 -36.48	124.18 6.79 -41.04	136.31 8.66 -34.51	163.73 11.08 -30.85	204.04 11.99 -58.85	191.01 11.50 -54.48	188.94 9.86 -69.59	188.45 9.06 -79.80	188.49 7.92 -93.58	176.53 7.51 -85.57	176.13 7.28 -87.05	176.69 7.05 -90.40	205.35 8.23 -105.65	200.76 9.11 -89.30	257.22 11.97 -113.71	239.88 11.43 -102.77	210.47 10.15 -86.18	193.75 9.05 -81.93	174.10 8.03 -75.77	162.84 7.59 -71.00	139.24 7.68 -45.27

PJM_GEN_KEystone 24065	114.06 1.10 -27.75	105.94 1.13 -24.10	104.67 1.16 -20.36	103.04 0.96 -22.18	102.29 0.99 -24.95	115.70 1.58 -20.98	142.86 2.31 -18.76	163.96 1.47 -29.30	148.89 1.51 -22.36	140.00 0.98 -29.52	129.83 0.89 -29.35	121.39 0.53 -33.87	118.20 0.25 -34.50	116.92 0.25 -34.87	117.33 0.16 -37.93	127.93 0.64 -35.83	134.85 0.62 -31.88	176.39 1.18 -43.67	163.33 1.00 -36.66	150.06 0.69 -35.23	137.60 0.41 -34.41	129.65 0.36 -38.99	120.18 0.42 -35.50	114.87 1.04 -27.53
PJM_GEN_NEPTUNE_PROXY 323594	142.78 8.01 -49.57	138.02 7.75 -49.56	126.26 7.90 -35.21	127.11 7.51 -39.71	138.18 7.26 -54.57	142.91 9.22 -40.56	163.83 11.20 -30.84	192.04 11.99 -46.86	171.02 11.38 -34.62	163.39 9.42 -44.47	152.22 8.77 -43.87	145.66 8.27 -50.40	144.71 8.01 -53.25	145.25 7.78 -55.67	145.17 7.45 -58.48	152.43 8.59 -52.38	159.87 9.62 -47.90	219.69 12.63 -75.52	201.80 12.07 -64.07	185.06 10.49 -60.42	165.63 9.45 -53.40	161.25 8.30 -62.66	149.73 8.09 -57.39	147.53 8.20 -53.03
PJM_GEN_VFT_PROXY 323633	137.92 7.07 -45.65	127.30 6.94 -39.64	123.70 7.06 -33.48	123.09 6.71 -36.48	123.88 6.49 -41.04	136.04 8.39 -34.52	163.37 10.72 -30.86	207.72 11.58 -62.94	197.41 11.12 -61.25	196.77 9.52 -77.76	200.40 8.77 -92.05	202.95 7.66 -108.29	187.29 7.26 -96.58	187.32 7.11 -98.40	187.34 6.82 -101.28	223.22 7.95 -123.81	214.57 8.80 -103.41	269.58 11.31 -126.73	252.56 10.93 -115.97	218.79 9.70 -94.96	203.16 8.73 -91.65	178.38 7.85 -80.24	167.53 7.42 -75.86	139.01 7.42 -45.29
PLATSBURG_115KV_PMLD1 355749	84.35 -0.85 0.00	79.98 -0.73 0.00	82.40 -0.75 0.00	79.34 -0.56 0.00	75.74 -0.61 0.00	92.67 -0.47 0.00	119.72 -2.07 0.00	131.06 -2.13 0.00	122.78 -2.25 0.00	108.84 -0.66 0.00	98.69 -0.90 0.00	86.21 -0.78 0.00	83.03 -0.42 0.00	81.23 -0.57 0.00	78.92 -0.32 0.00	90.27 -1.19 0.00	101.74 -0.61 0.00	129.04 -2.50 0.00	123.53 -2.14 0.00	113.57 -0.57 0.00	102.37 -0.41 0.00	89.57 -0.72 0.00	83.92 -0.34 0.00	86.64 0.35 0.00
PLEASANTVLY__LBMP 24000	139.28 5.79 -48.29	128.21 5.57 -41.93	124.31 5.74 -35.42	123.92 5.43 -38.59	125.11 5.34 -43.41	136.44 6.80 -36.51	162.71 8.28 -32.63	190.58 9.06 -48.33	168.32 8.75 -34.54	163.60 7.56 -46.55	150.48 7.07 -43.83	143.30 6.09 -50.22	142.13 5.76 -52.93	140.80 5.64 -53.35	144.21 5.39 -59.58	149.35 6.31 -51.59	155.58 6.96 -46.26	197.92 8.94 -57.44	179.24 8.55 -45.03	170.67 7.76 -48.77	163.09 6.89 -53.43	161.24 6.23 -64.71	148.63 5.90 -58.48	140.03 5.95 -47.77
PLSNTVLE_13_KV_13KVDIST 80602	138.09 6.73 -46.16	127.33 6.54 -40.09	123.66 6.65 -33.86	123.10 6.31 -36.89	124.03 6.18 -41.50	135.86 7.82 -34.90	162.73 9.74 -31.20	189.00 10.79 -45.01	166.33 10.25 -31.05	161.24 8.87 -42.88	147.32 8.27 -39.47	139.31 7.22 -45.09	137.68 6.84 -47.39	136.21 6.71 -47.70	140.38 6.34 -54.80	144.58 7.41 -45.72	150.66 8.19 -40.12	176.09 10.65 -33.90	157.59 10.18 -21.74	155.85 9.25 -32.47	159.28 8.22 -48.28	158.19 7.40 -60.49	145.78 6.99 -54.54	138.99 6.99 -45.70
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	138.09 6.73 -46.16	127.33 6.54 -40.09	123.66 6.65 -33.86	123.10 6.31 -36.89	124.03 6.18 -41.50	135.86 7.82 -34.90	162.73 9.74 -31.20	189.00 10.79 -45.01	166.33 10.25 -31.05	161.24 8.87 -42.88	147.32 8.27 -39.47	139.31 7.22 -45.09	137.68 6.84 -47.39	136.21 6.71 -47.70	140.38 6.34 -54.80	144.58 7.41 -45.72	150.66 8.19 -40.12	176.09 10.65 -33.90	157.59 10.18 -21.74	155.85 9.25 -32.47	159.28 8.22 -48.28	158.19 7.40 -60.49	145.78 6.99 -54.54	138.99 6.99 -45.70
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	141.38 8.52 -47.65	130.17 8.07 -41.39	126.59 8.48 -34.95	126.13 8.15 -38.08	127.06 7.86 -42.85	139.32 10.15 -36.03	167.52 13.52 -32.21	194.97 14.12 -47.65	172.30 13.25 -34.01	166.49 11.06 -45.94	153.29 10.46 -43.25	145.34 8.79 -49.56	143.66 8.09 -52.12	142.11 7.77 -52.54	145.81 7.77 -58.80	151.51 9.15 -50.91	157.74 9.72 -45.66	200.41 13.29 -55.59	181.68 12.44 -43.57	172.52 11.19 -47.20	164.55 10.07 -51.70	161.86 8.94 -62.62	149.02 8.17 -56.59	140.73 8.20 -46.23
POLETTI____ 23519	138.52 7.67 -45.65	127.78 7.43 -39.64	124.20 7.57 -33.48	123.57 7.19 -36.48	124.41 7.02 -41.04	136.50 8.85 -34.52	163.61 10.96 -30.86	208.25 12.12 -62.93	197.77 11.50 -61.24	197.08 9.85 -77.73	200.87 9.26 -92.02	203.34 8.09 -108.26	187.68 7.68 -96.56	187.70 7.53 -98.38	187.71 7.21 -101.26	223.46 8.23 -123.77	214.81 9.11 -103.34	270.08 11.84 -126.70	252.79 11.18 -115.94	219.23 10.16 -94.94	203.66 9.25 -91.63	178.74 8.22 -80.23	168.02 7.92 -75.85	139.44 7.85 -45.29
POMONA____ESR 323819	135.48 6.30 -43.97	125.03 6.13 -38.19	121.72 6.32 -32.25	120.95 5.91 -35.14	121.68 5.80 -39.53	133.84 7.45 -33.25	161.13 9.62 -29.72	188.14 10.26 -44.69	167.60 10.01 -32.56	161.34 8.55 -43.29	148.64 7.77 -41.28	140.90 6.53 -47.38	139.63 6.18 -50.01	138.22 5.97 -50.45	140.49 5.78 -55.46	147.23 6.77 -49.01	154.38 7.47 -44.55	205.70 9.87 -64.30	188.23 9.43 -53.13	175.11 8.45 -52.52	160.66 7.50 -50.39	156.98 6.78 -59.91	144.79 6.32 -54.21	136.23 6.30 -43.64
PORT_JEFF_3 23555	144.82 10.05 -49.57	140.11 9.84 -49.56	128.41 10.06 -35.21	129.19 9.58 -39.71	140.23 9.31 -54.57	145.14 11.45 -40.56	163.13 11.58 -29.76	187.68 12.25 -42.24	168.93 11.26 -32.64	162.30 9.30 -43.50	153.11 9.66 -43.86	147.22 9.83 -50.40	146.46 9.76 -53.25	146.71 9.24 -55.67	146.75 9.03 -58.48	153.80 9.97 -52.38	160.19 10.33 -47.50	220.61 13.55 -75.52	202.56 12.82 -64.07	181.84 10.85 -56.86	164.71 9.66 -52.27	161.89 8.94 -62.66	151.16 9.52 -57.39	149.08 9.75 -53.03
PORT_JEFF_4 23616	144.82 10.05 -49.57	140.11 9.84 -49.56	128.41 10.06 -35.21	129.19 9.58 -39.71	140.23 9.31 -54.57	145.14 11.45 -40.56	163.13 11.58 -29.76	187.68 12.25 -42.24	168.93 11.26 -32.64	162.30 9.30 -43.50	153.11 9.66 -43.86	147.22 9.83 -50.40	146.46 9.76 -53.25	146.71 9.24 -55.67	146.75 9.03 -58.48	153.80 9.97 -52.38	160.19 10.33 -47.50	220.61 13.55 -75.52	202.56 12.82 -64.07	181.84 10.85 -56.86	164.71 9.66 -52.27	161.89 8.94 -62.66	151.16 9.52 -57.39	149.08 9.75 -53.03
PORT_JEFF_IC 23713	145.17 10.39 -49.57	140.36 10.09 -49.56	128.58 10.22 -35.21	129.43 9.82 -39.71	140.46 9.54 -54.57	145.43 11.74 -40.56	163.72 12.43 -29.50	187.34 13.06 -41.08	169.18 12.00 -32.15	162.60 9.86 -43.24	153.50 10.05 -43.86	147.48 10.09 -50.40	146.62 9.93 -53.25	146.96 9.48 -55.67	146.99 9.27 -58.48	154.17 10.33 -52.38	160.81 11.06 -47.40	221.53 14.47 -75.52	203.43 13.70 -64.07	181.75 11.65 -55.97	165.15 10.38 -51.99	162.34 9.39 -62.65	151.41 9.77 -57.39	149.33 10.01 -53.03
PPL PILGRIM_ST_GT1 24216	144.91 10.13 -49.57	139.95 9.68 -49.56	128.25 9.89 -35.21	129.03 9.42 -39.71	140.08 9.16 -54.57	145.43 11.74 -40.56	165.13 13.76 -29.58	189.44 14.78 -41.47	170.97 13.63 -32.31	164.02 11.17 -43.35	154.00 10.55 -43.86	147.57 10.17 -50.40	146.62 9.93 -53.25	147.12 9.65 -55.67	147.07 9.35 -58.48	154.53 10.70 -52.38	161.76 11.97 -47.43	222.97 15.91 -75.52	204.93 15.20 -64.07	183.30 12.89 -56.26	166.47 11.61 -52.09	163.06 10.11 -62.66	151.75 10.11 -57.39	149.51 10.18 -53.03
PPL PILGRIM_ST_GT2 24217	144.91 10.13 -49.57	139.95 9.68 -49.56	128.25 9.89 -35.21	129.03 9.42 -39.71	140.08 9.16 -54.57	145.43 11.74 -40.56	165.13 13.76 -29.58	189.44 14.78 -41.47	170.97 13.63 -32.31	164.02 11.17 -43.35	154.00 10.55 -43.86	147.57 10.17 -50.40	146.62 9.93 -53.25	147.12 9.65 -55.67	147.07 9.35 -58.48	154.53 10.70 -52.38	161.76 11.97 -47.43	222.97 15.91 -75.52	204.93 15.20 -64.07	183.30 12.89 -56.26	166.47 11.61 -52.09	163.06 10.11 -62.66	151.75 10.11 -57.39	149.51 10.18 -53.03

PPL_SHRM_GT3 24213	146.87 12.09 -49.57	141.89 11.62 -49.56	130.08 11.73 -35.21	130.79 11.19 -39.71	141.84 10.92 -54.57	147.47 13.78 -40.56	167.61 16.08 -29.74	192.54 17.19 -42.16	173.39 15.75 -32.61	165.68 12.70 -43.49	155.60 12.15 -43.86	148.88 11.48 -50.40	148.13 11.43 -53.25	148.27 10.80 -55.67	148.49 10.77 -58.48	156.09 12.26 -52.38	163.76 13.92 -47.49	224.69 17.63 -75.52	206.58 16.85 -64.07	185.20 14.27 -56.80	167.77 12.74 -52.25	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03
PPL_SHRM_GT4 24214	146.87 12.09 -49.57	141.89 11.62 -49.56	130.08 11.73 -35.21	130.79 11.19 -39.71	141.84 10.92 -54.57	147.47 13.78 -40.56	167.61 16.08 -29.74	192.54 17.19 -42.16	173.39 15.75 -32.61	165.68 12.70 -43.49	155.60 12.15 -43.86	148.88 11.48 -50.40	148.13 11.43 -53.25	148.27 10.80 -55.67	148.49 10.77 -58.48	156.09 12.26 -52.38	163.76 13.92 -47.49	224.69 17.63 -75.52	206.58 16.85 -64.07	185.20 14.27 -56.80	167.77 12.74 -52.25	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03
PROJECT___ORANGE 1 24174	89.29 -0.09 -4.17	84.17 -0.16 -3.62	86.04 -0.17 -3.06	83.07 -0.16 -3.33	79.87 -0.23 -3.75	95.82 -0.47 -3.15	124.61 0.00 -2.82	137.50 0.13 -4.17	128.01 0.00 -2.98	113.19 -0.33 -4.02	103.07 -0.30 -3.78	90.99 -0.35 -4.34	87.42 -0.58 -4.56	85.91 -0.49 -4.60	83.98 -0.40 -5.13	95.63 -0.27 -4.44	106.04 -0.31 -3.99	136.62 0.13 -4.95	129.55 0.00 -3.88	118.12 -0.23 -4.21	106.97 -0.41 -4.61	95.52 -0.36 -5.58	88.88 -0.42 -5.04	90.24 -0.17 -4.12
PROJECT___ORANGE 2 24166	89.29 -0.09 -4.17	84.17 -0.16 -3.62	86.04 -0.17 -3.06	83.07 -0.16 -3.33	79.87 -0.23 -3.75	95.82 -0.47 -3.15	124.61 0.00 -2.82	137.50 0.13 -4.17	128.01 0.00 -2.98	113.19 -0.33 -4.02	103.07 -0.30 -3.78	90.99 -0.35 -4.34	87.42 -0.58 -4.56	85.91 -0.49 -4.60	83.98 -0.40 -5.13	95.63 -0.27 -4.44	106.04 -0.31 -3.99	136.62 0.13 -4.95	129.55 0.00 -3.88	118.12 -0.23 -4.21	106.97 -0.41 -4.61	95.52 -0.36 -5.58	88.88 -0.42 -5.04	90.24 -0.17 -4.12
PUCKETT___SOLAR 323809	103.70 3.15 -15.34	96.93 2.90 -13.32	97.39 2.99 -11.25	95.03 2.87 -12.26	92.96 2.83 -13.79	108.64 3.91 -11.60	138.37 6.21 -10.37	155.07 6.52 -15.35	141.52 5.50 -11.00	128.37 4.05 -14.82	116.93 3.39 -13.95	105.59 2.61 -15.99	102.46 2.17 -16.85	100.99 2.21 -16.99	100.43 2.22 -18.97	111.44 3.56 -16.42	121.49 4.40 -14.74	156.54 6.70 -18.30	146.17 6.16 -14.34	134.81 5.14 -15.54	124.21 4.42 -17.02	114.61 3.70 -20.61	105.83 2.95 -18.63	104.88 3.36 -15.22
PYRITES___HYD 24023	81.97 -3.24 0.00	77.56 -3.15 0.00	79.91 -3.24 0.00	76.94 -2.96 0.00	73.37 -2.98 0.00	89.32 -3.82 0.00	116.80 -4.99 0.00	128.53 -4.66 0.00	120.65 -4.38 0.00	106.54 -2.96 0.00	96.60 -2.99 0.00	84.30 -2.70 0.00	81.20 -2.25 0.00	79.51 -2.29 0.00	77.10 -2.14 0.00	88.44 -3.02 0.00	99.18 -3.17 0.00	126.14 -5.39 0.00	120.64 -5.03 0.00	110.14 -3.99 0.00	99.39 -3.39 0.00	87.14 -3.16 0.00	81.56 -2.70 0.00	82.93 -3.37 0.00
QUAKERRD_115KV_BK1 80622	87.56 -2.73 -5.09	82.38 -2.74 -4.42	84.05 -2.83 -3.73	81.17 -2.80 -4.06	78.32 -2.60 -4.57	94.00 -2.98 -3.85	122.31 -2.92 -3.44	134.02 -4.26 -5.09	124.53 -4.13 -3.63	110.22 -4.16 -4.89	100.51 -3.68 -4.61	88.71 -3.57 -5.28	85.32 -3.67 -5.55	83.71 -3.68 -5.59	81.84 -3.65 -6.24	93.48 -3.38 -5.41	103.42 -3.79 -4.85	133.35 -4.21 -6.03	126.37 -4.02 -4.72	115.26 -3.99 -5.12	104.48 -3.91 -5.61	93.04 -4.06 -6.81	86.61 -3.79 -6.15	88.21 -3.11 -5.02
QUENSBRY_115KV_TB8 356137	150.62 7.16 -58.26	137.92 6.62 -50.59	131.95 6.07 -42.73	132.21 5.75 -46.56	133.99 5.27 -52.38	143.14 5.96 -44.05	172.25 11.08 -39.37	203.36 11.85 -58.31	177.95 11.25 -41.67	175.07 9.42 -56.16	160.43 7.97 -52.87	154.45 6.87 -60.58	153.89 6.59 -63.85	152.63 6.46 -64.37	157.54 6.42 -71.88	161.28 7.59 -62.23	167.48 9.31 -55.81	213.98 13.15 -69.29	192.43 12.44 -54.32	184.16 11.19 -58.84	176.58 9.35 -64.45	176.13 7.77 -78.06	161.46 6.66 -70.55	150.32 6.39 -57.63
RAMAPO___LBMP 323565	134.93 5.88 -43.85	124.60 5.81 -38.08	121.22 5.90 -32.16	120.53 5.59 -35.04	121.19 5.42 -39.42	133.27 6.99 -33.15	160.07 8.65 -29.63	187.19 9.46 -44.54	166.61 9.13 -32.45	160.43 7.77 -43.16	147.99 7.27 -41.14	140.38 6.18 -47.21	139.12 5.84 -49.83	137.80 5.73 -50.28	140.01 5.47 -55.30	146.60 6.31 -48.83	153.69 7.06 -44.27	204.43 9.08 -63.82	187.13 8.80 -52.67	174.31 7.99 -52.18	160.19 7.19 -50.22	156.43 6.41 -59.72	144.36 6.07 -54.04	135.85 6.04 -43.51
RANKINE____ 23646	88.78 -3.75 -7.32	83.44 -3.63 -6.36	84.70 -3.82 -5.37	82.00 -3.76 -5.85	79.42 -3.51 -6.58	94.67 -4.00 -5.54	122.36 -4.38 -4.95	133.33 -7.19 -7.33	123.22 -7.00 -5.19	109.82 -6.68 -7.00	100.10 -6.07 -6.59	88.72 -5.83 -7.55	85.40 -6.01 -7.96	83.94 -5.89 -8.03	82.34 -5.86 -8.96	93.64 -5.58 -7.76	103.28 -6.04 -6.96	132.82 -7.37 -8.65	125.79 -6.66 -6.78	114.86 -6.62 -7.34	104.35 -6.48 -8.05	93.53 -6.59 -9.83	87.24 -5.90 -8.88	89.49 -4.06 -7.25
RAVENSWOOD_GT2_1 24244	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.34 6.95 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.44 9.25 -100.41	182.77 8.22 -84.26	172.24 7.75 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT2_2 24245	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.34 6.95 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.44 9.25 -100.41	182.77 8.22 -84.26	172.24 7.75 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT2_3 24246	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.58 7.19 -36.48	124.34 6.95 -41.05	136.50 8.85 -34.52	163.62 10.96 -30.86	211.93 12.12 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.92 9.26 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.45 7.13 -111.08	239.85 8.23 -140.16	227.65 9.21 -116.08	281.96 11.97 -138.45	264.95 11.44 -127.84	227.27 10.27 -102.86	212.44 9.25 -100.41	182.86 8.31 -84.26	172.32 7.84 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT2_4 24247	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.58 7.19 -36.48	124.34 6.95 -41.05	136.50 8.85 -34.52	163.62 10.96 -30.86	211.93 12.12 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.92 9.26 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.45 7.13 -111.08	239.85 8.23 -140.16	227.65 9.21 -116.08	281.96 11.97 -138.45	264.95 11.44 -127.84	227.27 10.27 -102.86	212.44 9.25 -100.41	182.86 8.31 -84.26	172.32 7.84 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT3_1 24248	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.34 6.95 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.45 7.13 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.44 9.25 -100.41	182.77 8.22 -84.26	172.32 7.84 -80.23	139.46 7.85 -45.31



RAVENSWOOD_GT3_2 24249	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.34 6.95 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.45 7.13 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.44 9.25 -100.41	182.77 8.22 -84.26	172.32 7.84 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT3_3 24250	138.52 7.67 -45.65	127.78 7.43 -39.65	124.21 7.57 -33.49	123.58 7.19 -36.48	124.42 7.02 -41.05	136.60 8.94 -34.52	163.74 11.08 -30.86	212.07 12.25 -66.62	204.00 11.63 -67.35	204.67 10.07 -85.11	212.02 9.36 -103.08	216.63 8.09 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.53 7.21 -111.08	239.94 8.32 -140.16	227.75 9.31 -116.08	282.09 12.10 -138.45	265.07 11.56 -127.84	227.50 10.50 -102.86	212.54 9.35 -100.41	182.95 8.40 -84.26	172.40 7.92 -80.23	139.54 7.94 -45.31
RAVENSWOOD_GT3_4 24251	138.52 7.67 -45.65	127.78 7.43 -39.65	124.21 7.57 -33.49	123.58 7.19 -36.48	124.42 7.02 -41.05	136.60 8.94 -34.52	163.74 11.08 -30.86	212.07 12.25 -66.62	204.00 11.63 -67.35	204.67 10.07 -85.11	212.02 9.36 -103.08	216.63 8.09 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.53 7.21 -111.08	239.94 8.32 -140.16	227.75 9.31 -116.08	282.09 12.10 -138.45	265.07 11.56 -127.84	227.50 10.50 -102.86	212.54 9.35 -100.41	182.95 8.40 -84.26	172.40 7.92 -80.23	139.54 7.94 -45.31
RAVENSWOOD_GT_1 23729	138.87 8.01 -45.65	128.11 7.75 -39.65	124.54 7.90 -33.49	123.90 7.51 -36.48	124.65 7.25 -41.05	136.78 9.13 -34.52	163.86 11.20 -30.86	212.20 12.39 -66.62	204.25 11.88 -67.35	204.78 10.18 -85.11	212.22 9.56 -103.08	216.89 8.35 -121.54	197.88 7.93 -106.50	198.19 7.77 -108.62	197.69 7.37 -111.08	240.22 8.60 -140.16	238.39 9.72 -126.31	307.53 12.50 -163.50	290.86 11.94 -153.25	242.36 10.84 -117.38	212.85 9.66 -100.41	191.94 8.76 -92.88	172.66 8.17 -80.23	139.80 8.20 -45.31
RAVENSWOOD_GT_10 24258	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.33 9.15 -100.41	182.77 8.22 -84.26	172.24 7.75 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT_11 24259	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.33 9.15 -100.41	182.77 8.22 -84.26	172.24 7.75 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT_4 24252	138.35 7.50 -45.65	127.62 7.26 -39.65	124.04 7.40 -33.49	123.42 7.03 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.75 11.38 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.76 8.14 -140.16	235.34 9.11 -123.87	300.90 11.84 -157.53	284.17 11.31 -147.19	238.21 10.16 -113.92	212.33 9.15 -100.41	189.25 8.13 -90.82	172.24 7.75 -80.23	139.37 7.77 -45.31
RAVENSWOOD_GT_5 24254	138.35 7.50 -45.65	127.62 7.26 -39.65	124.04 7.40 -33.49	123.42 7.03 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.75 11.38 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.76 8.14 -140.16	235.34 9.11 -123.87	300.90 11.84 -157.53	284.17 11.31 -147.19	238.21 10.16 -113.92	212.33 9.15 -100.41	189.25 8.13 -90.82	172.24 7.75 -80.23	139.37 7.77 -45.31
RAVENSWOOD_GT_6 24253	138.35 7.50 -45.65	127.62 7.26 -39.65	124.04 7.40 -33.49	123.42 7.03 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.75 11.38 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.76 8.14 -140.16	235.34 9.11 -123.87	300.90 11.84 -157.53	284.17 11.31 -147.19	238.21 10.16 -113.92	212.33 9.15 -100.41	189.25 8.13 -90.82	172.24 7.75 -80.23	139.37 7.77 -45.31
RAVENSWOOD_GT_7 24255	138.35 7.50 -45.65	127.62 7.26 -39.65	124.04 7.40 -33.49	123.42 7.03 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.75 11.38 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.76 8.14 -140.16	235.34 9.11 -123.87	300.90 11.84 -157.53	284.17 11.31 -147.19	238.21 10.16 -113.92	212.33 9.15 -100.41	189.25 8.13 -90.82	172.24 7.75 -80.23	139.37 7.77 -45.31
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.33 9.15 -100.41	182.77 8.22 -84.26	172.24 7.75 -80.23	139.46 7.85 -45.31
RAVENSWOOD_GT_9 24257	138.44 7.58 -45.65	127.70 7.34 -39.65	124.12 7.48 -33.49	123.50 7.11 -36.48	124.27 6.87 -41.05	136.41 8.75 -34.52	163.49 10.84 -30.86	211.80 11.99 -66.62	203.88 11.50 -67.35	204.46 9.85 -85.11	211.82 9.16 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.37 7.05 -111.08	239.85 8.23 -140.16	227.55 9.11 -116.08	281.83 11.84 -138.45	264.82 11.31 -127.84	227.27 10.27 -102.86	212.33 9.15 -100.41	182.77 8.22 -84.26	172.24 7.75 -80.23	139.46 7.85 -45.31
RAVENSWOOD___1 23533	138.78 7.93 -45.65	128.03 7.67 -39.65	124.54 7.90 -33.49	123.89 7.51 -36.48	124.65 7.26 -41.05	136.79 9.13 -34.52	164.47 11.81 -30.86	212.33 12.52 -66.62	204.50 12.12 -67.35	205.01 10.41 -85.11	212.32 9.66 -103.08	216.89 8.35 -121.54	197.88 7.93 -106.50	198.11 7.69 -108.62	197.77 7.45 -111.08	240.40 8.78 -140.16	228.20 9.73 -116.12	282.49 12.50 -138.45	265.46 11.94 -127.84	227.72 10.73 -102.86	212.84 9.66 -100.41	183.22 8.67 -84.26	172.65 8.17 -80.23	139.71 8.11 -45.31
RAVENSWOOD___2 23534	138.78 7.93 -45.65	128.03 7.67 -39.65	124.45 7.81 -33.49	123.89 7.51 -36.48	124.57 7.17 -41.05	136.69 9.03 -34.52	164.47 11.81 -30.86	212.33 12.52 -66.62	204.38 12.00 -67.35	205.01 10.41 -85.11	212.23 9.56 -103.08	216.81 8.27 -121.54	197.79 7.84 -106.50	198.11 7.69 -108.62	197.69 7.37 -111.08	240.31 8.69 -140.16	228.09 9.62 -116.12	282.49 12.50 -138.45	265.32 11.81 -127.84	227.72 10.73 -102.86	212.84 9.66 -100.41	183.14 8.58 -84.26	172.57 8.09 -80.23	139.63 8.03 -45.31
RAVENSWOOD___3 23535	138.44 7.58 -45.65	127.70 7.34 -39.65	124.13 7.49 -33.49	123.49 7.11 -36.48	124.34 6.95 -41.05	136.51 8.85 -34.52	163.98 11.33 -30.86	211.93 12.12 -66.62	204.01 11.63 -67.35	204.67 10.07 -85.11	211.93 9.26 -103.08	216.54 8.00 -121.54	197.54 7.59 -106.50	197.87 7.44 -108.62	197.46 7.13 -111.08	239.94 8.32 -140.16	227.69 9.22 -116.12	282.08 12.09 -138.45	265.07 11.55 -127.84	227.27 10.28 -102.86	212.33 9.14 -100.41	182.77 8.22 -84.26	172.23 7.75 -80.23	139.46 7.85 -45.31

RAVENSWOOD___4 23820	138.78 7.93 -45.65	127.94 7.58 -39.65	124.45 7.81 -33.49	123.82 7.43 -36.48	124.57 7.17 -41.05	136.69 9.03 -34.52	164.35 11.69 -30.86	212.33 12.52 -66.62	204.38 12.00 -67.35	204.89 10.29 -85.11	212.23 9.56 -103.08	216.81 8.27 -121.54	197.79 7.84 -106.50	198.11 7.69 -108.62	197.69 7.37 -111.08	240.31 8.69 -140.16	218.02 9.62 -106.04	257.68 12.36 -113.78	240.30 11.81 -102.82	213.32 10.62 -88.56	212.84 9.66 -100.41	174.65 8.58 -75.77	172.57 8.09 -80.23	139.63 8.03 -45.31
RCPI_TRUST___DRP 24196	138.43 7.58 -45.64	127.69 7.34 -39.64	124.11 7.48 -33.48	123.49 7.11 -36.48	124.26 6.87 -41.04	136.49 8.85 -34.51	163.61 10.96 -30.85	204.30 12.25 -58.85	191.14 11.63 -54.48	189.15 10.07 -69.58	188.65 9.26 -79.80	188.66 8.09 -93.57	176.69 7.68 -85.57	176.38 7.53 -87.05	176.85 7.21 -90.40	205.43 8.32 -105.65	200.94 9.31 -89.26	257.35 12.10 -113.72	239.88 11.44 -102.77	210.70 10.39 -86.18	194.06 9.35 -81.93	174.28 8.22 -75.77	163.09 7.84 -71.00	139.42 7.85 -45.27
RED___ROCHESTER 323720	90.13 -0.42 -5.35	84.79 -0.56 -4.65	86.41 -0.67 -3.92	83.45 -0.72 -4.28	80.54 -0.61 -4.81	96.90 0.49 -4.05	125.90 0.99 -3.62	137.89 -0.66 -5.35	127.97 -0.87 -3.81	113.32 -1.31 -5.14	103.33 -1.09 -4.84	91.06 -1.48 -5.54	87.53 -1.76 -5.84	85.97 -1.72 -5.89	84.07 -1.74 -6.58	96.15 -1.00 -5.69	106.13 -1.33 -5.11	137.24 -0.65 -6.36	129.52 -1.13 -4.99	118.18 -1.36 -5.40	107.05 -1.65 -5.92	95.48 -1.99 -7.17	89.05 -1.68 -6.48	90.73 -0.86 -5.29
REGAN___SOLAR 323812	158.62 9.46 -63.96	145.06 8.80 -55.55	139.13 9.06 -46.91	139.48 8.47 -51.11	142.03 8.17 -57.51	151.27 9.78 -48.36	183.52 18.51 -43.23	216.52 19.31 -64.02	188.04 17.26 -45.75	184.84 13.69 -61.66	169.39 11.75 -58.06	163.43 9.91 -66.52	163.56 10.01 -70.11	162.12 9.65 -70.67	167.75 9.58 -78.92	171.95 12.17 -68.33	178.25 14.64 -61.26	228.81 21.18 -76.09	205.17 19.85 -59.65	196.09 17.34 -64.61	188.05 14.49 -70.77	188.56 12.55 -85.72	172.42 10.70 -77.46	160.02 10.44 -63.28
RENSSELAER___COGEN 23796	144.91 3.32 -56.39	132.83 3.14 -48.97	127.75 3.24 -41.36	128.00 3.04 -45.06	130.02 2.97 -50.70	138.84 3.07 -42.64	164.16 4.26 -38.11	193.89 4.26 -56.44	169.48 4.12 -40.33	167.46 3.61 -54.36	153.95 3.19 -51.18	148.43 2.78 -58.64	147.84 2.59 -61.81	146.72 2.62 -62.30	151.36 2.54 -69.58	154.71 3.01 -60.24	159.82 3.48 -53.98	203.19 4.60 -67.05	182.63 4.40 -52.56	175.07 3.99 -56.93	168.64 3.50 -62.37	168.81 2.98 -75.54	155.29 2.78 -68.26	145.43 3.36 -55.77
REPUBLIC_115KV_BARTNBRK 55605	153.91 10.48 -58.22	141.04 9.77 -50.56	135.17 9.31 -42.70	135.14 8.71 -46.53	136.79 8.09 -52.35	146.28 9.13 -44.02	178.92 17.78 -39.35	210.78 19.31 -58.27	184.80 18.13 -41.64	180.73 15.11 -56.12	165.18 12.75 -52.84	158.51 10.96 -60.55	157.69 10.43 -63.81	156.44 10.31 -64.33	161.38 10.30 -71.84	165.82 12.16 -62.20	173.18 15.05 -55.78	221.96 21.18 -69.25	199.94 19.98 -54.29	190.74 17.81 -58.80	182.09 14.90 -64.41	180.78 12.46 -78.02	165.55 10.78 -70.51	154.34 10.44 -57.60
REVERE_CPPR_DRP 24186	92.23 4.60 -2.42	87.09 4.28 -2.11	89.34 4.41 -1.78	86.07 4.23 -1.94	82.65 4.12 -2.18	100.56 5.59 -1.83	132.08 8.65 -1.64	145.34 9.72 -2.43	135.64 8.88 -1.73	119.28 7.45 -2.34	108.46 6.67 -2.20	95.09 5.57 -2.52	91.28 5.17 -2.66	89.47 4.99 -2.68	86.99 4.75 -2.99	100.27 6.22 -2.59	111.85 7.17 -2.32	143.76 9.34 -2.89	136.60 8.67 -2.26	123.89 7.30 -2.45	111.84 6.37 -2.69	98.88 5.33 -3.25	91.49 4.30 -2.94	93.01 4.31 -2.40
REYNOLDS_115KV_TB3 80639	145.58 3.92 -56.46	133.45 3.71 -49.03	128.30 3.74 -41.41	128.61 3.60 -45.12	130.62 3.51 -50.76	139.83 4.00 -42.69	165.43 5.48 -38.15	195.43 5.73 -56.51	171.03 5.63 -40.38	168.84 4.93 -54.42	155.21 4.38 -51.24	149.45 3.74 -58.71	148.92 3.59 -61.88	147.70 3.52 -62.38	152.31 3.41 -69.66	155.88 4.12 -60.31	161.15 4.71 -54.09	204.73 6.05 -67.14	184.08 5.78 -52.63	176.40 5.25 -57.01	169.75 4.52 -62.45	169.85 3.88 -75.67	156.18 3.54 -68.38	146.04 3.88 -55.86
RIVERBAY____ 323610	139.80 8.95 -45.65	128.91 8.56 -39.65	125.54 8.90 -33.49	125.01 8.63 -36.48	125.56 8.17 -41.05	137.81 10.15 -34.52	164.83 12.18 -30.86	193.41 13.32 -46.90	172.31 12.63 -34.65	166.09 10.95 -45.64	153.63 10.16 -43.89	146.21 8.79 -50.42	145.08 8.34 -53.28	143.85 8.26 -53.79	145.60 7.84 -58.51	153.01 9.15 -52.41	160.69 10.44 -47.89	271.70 13.42 -126.75	254.47 12.82 -115.99	220.75 11.64 -94.97	166.70 10.48 -53.44	162.72 9.39 -63.04	149.89 8.85 -56.79	140.42 8.89 -45.23
RIVERSDE_115KV_TB3 55908	145.55 3.66 -56.68	133.32 3.39 -49.22	128.13 3.41 -41.57	128.47 3.28 -45.29	130.51 3.21 -50.96	139.34 3.35 -42.85	164.97 4.87 -38.30	194.98 5.06 -56.73	170.44 4.88 -40.54	168.40 4.27 -54.64	154.81 3.78 -51.44	149.16 3.22 -58.94	148.66 3.09 -62.12	147.45 3.03 -62.62	152.19 3.01 -69.94	155.57 3.57 -60.55	160.75 4.09 -54.30	204.33 5.39 -67.40	183.91 5.40 -52.84	176.16 4.79 -57.23	169.69 4.21 -62.70	169.66 3.52 -75.84	156.08 3.29 -68.54	146.08 3.80 -55.99
ROARING___BROOK_WT_PWR 323790	84.01 -1.19 0.00	79.66 -1.05 0.00	81.99 -1.16 0.00	78.78 -1.12 0.00	75.28 -1.07 0.00	91.83 -1.30 0.00	119.84 -1.95 0.00	131.06 -2.14 0.00	123.02 -2.01 0.00	107.96 -1.53 0.00	98.09 -1.49 0.00	85.69 -1.30 0.00	82.28 -1.17 0.00	80.65 -1.15 0.00	78.13 -1.11 0.00	89.99 -1.47 0.00	100.92 -1.43 0.00	129.30 -2.24 0.00	123.65 -2.02 0.00	112.43 -1.71 0.00	101.34 -1.44 0.00	89.03 -1.26 0.00	83.07 -1.18 0.00	85.00 -1.29 0.00
ROCHESRG_115KV_T4 355643	89.15 -1.36 -5.31	83.87 -1.45 -4.61	85.55 -1.50 -3.90	82.55 -1.60 -4.24	79.75 -1.37 -4.78	95.75 -1.40 -4.02	124.53 -0.85 -3.59	135.98 -2.53 -5.32	126.32 -2.50 -3.79	111.86 -2.74 -5.11	101.90 -2.49 -4.81	89.90 -2.61 -5.51	86.49 -2.75 -5.80	84.86 -2.78 -5.85	83.00 -2.77 -6.53	94.91 -2.19 -5.65	104.97 -2.46 -5.07	135.47 -2.37 -6.30	128.34 -2.26 -4.94	117.09 -2.40 -5.35	106.07 -2.57 -5.86	94.43 -2.98 -7.12	87.99 -2.70 -6.43	89.91 -1.64 -5.25
ROCHESTER_9_IC 23652	89.79 -0.77 -5.35	84.47 -0.89 -4.65	86.08 -1.00 -3.92	83.14 -1.04 -4.28	80.32 -0.84 -4.81	96.44 -0.75 -4.04	125.53 0.12 -3.62	137.22 -1.33 -5.35	127.47 -1.38 -3.82	112.78 -1.86 -5.14	102.84 -1.59 -4.84	90.63 -1.91 -5.55	87.20 -2.09 -5.84	85.56 -2.13 -5.89	83.68 -2.14 -6.58	95.69 -1.46 -5.69	105.93 -1.54 -5.11	136.70 -1.18 -6.35	129.51 -1.13 -4.97	118.04 -1.48 -5.39	106.93 -1.75 -5.90	95.21 -2.26 -7.17	88.62 -2.11 -6.48	90.47 -1.12 -5.29
ROCKVIEW_13_KV_LD 356306	138.09 7.24 -45.65	127.45 7.10 -39.64	123.78 7.15 -33.48	123.17 6.79 -36.48	124.03 6.64 -41.04	136.13 8.48 -34.51	163.24 10.60 -30.85	192.11 11.72 -47.19	171.30 11.13 -35.14	163.13 9.64 -44.00	149.98 8.96 -41.43	142.30 7.83 -47.47	144.97 7.43 -54.10	143.70 7.28 -54.62	142.46 6.89 -56.33	148.27 8.05 -48.77	160.32 9.01 -48.95	270.97 11.71 -127.73	253.83 11.18 -116.97	219.81 10.04 -95.63	165.99 9.04 -54.17	161.71 8.04 -63.38	148.98 7.58 -57.14	139.11 7.59 -45.22
ROME____115KV_TB2 80656	92.23 4.60 -2.42	87.09 4.28 -2.11	89.34 4.41 -1.78	86.07 4.23 -1.94	82.65 4.12 -2.18	100.56 5.59 -1.83	132.08 8.65 -1.64	145.34 9.72 -2.43	135.64 8.88 -1.73	119.28 7.45 -2.34	108.46 6.67 -2.20	95.09 5.57 -2.52	91.28 5.17 -2.66	89.47 4.99 -2.68	86.99 4.75 -2.99	100.27 6.22 -2.59	111.85 7.17 -2.32	143.76 9.34 -2.89	136.60 8.67 -2.26	123.89 7.30 -2.45	111.84 6.37 -2.69	98.88 5.33 -3.25	91.49 4.30 -2.94	93.01 4.31 -2.40

ROSETON___1 23587	136.85 5.62 -46.03	126.09 5.41 -39.97	122.48 5.57 -33.76	121.95 5.27 -36.78	122.84 5.12 -41.38	134.55 6.61 -34.80	160.81 7.91 -31.11	187.79 8.53 -46.07	166.20 8.25 -32.92	161.09 7.22 -44.37	148.14 6.78 -41.78	140.78 5.92 -47.87	139.49 5.59 -50.45	138.05 5.40 -50.86	141.26 5.23 -56.79	146.66 6.03 -49.17	152.92 6.45 -44.11	194.62 8.29 -54.79	176.54 7.92 -42.95	167.74 7.08 -46.52	160.12 6.37 -50.96	157.89 5.87 -61.73	145.77 5.73 -55.78	137.65 5.78 -45.57
ROSETON___2 23588	136.85 5.62 -46.03	126.09 5.41 -39.97	122.48 5.57 -33.76	121.95 5.27 -36.78	122.84 5.12 -41.38	134.55 6.61 -34.80	160.81 7.91 -31.11	187.79 8.53 -46.07	166.20 8.25 -32.92	161.09 7.22 -44.37	148.14 6.78 -41.78	140.78 5.92 -47.87	139.49 5.59 -50.45	138.05 5.40 -50.86	141.26 5.23 -56.79	146.66 6.03 -49.17	152.92 6.45 -44.11	194.62 8.29 -54.79	176.54 7.92 -42.95	167.74 7.08 -46.52	160.12 6.37 -50.96	157.89 5.87 -61.73	145.77 5.73 -55.78	137.65 5.78 -45.57
ROTRDAM_115KV_TB3 80664	147.87 3.83 -58.84	135.36 3.55 -51.10	129.97 3.66 -43.16	130.35 3.44 -47.02	132.53 3.28 -52.90	141.53 3.91 -44.49	167.52 5.97 -39.76	198.48 6.39 -58.89	173.11 6.00 -42.08	171.36 5.15 -56.72	157.57 4.58 -53.40	152.10 3.91 -61.19	151.69 3.76 -64.49	150.49 3.68 -65.01	155.41 3.57 -72.60	158.61 4.30 -62.85	163.74 5.02 -56.37	208.23 6.71 -69.98	186.94 6.41 -54.86	179.27 5.71 -59.42	172.81 4.93 -65.10	173.38 4.24 -78.84	159.38 3.88 -71.25	148.30 3.80 -58.20
RUSSELL___1 23602	90.21 -0.34 -5.35	84.87 -0.48 -4.65	86.49 -0.58 -3.92	83.54 -0.64 -4.28	80.62 -0.53 -4.81	96.90 -0.28 -4.05	126.26 0.85 -3.62	138.02 -0.53 -5.35	128.22 -0.63 -3.82	113.43 -1.20 -5.14	103.43 -1.00 -4.84	91.15 -1.39 -5.55	87.70 -1.59 -5.84	86.05 -1.64 -5.89	84.15 -1.66 -6.58	96.33 -0.82 -5.69	106.54 -0.92 -5.11	137.62 -0.26 -6.35	130.39 -0.25 -4.97	118.73 -0.80 -5.39	107.65 -1.03 -5.90	95.75 -1.72 -7.17	89.13 -1.60 -6.48	90.90 -0.69 -5.29
RUSSELL___2 23532	90.21 -0.34 -5.35	84.87 -0.48 -4.65	86.49 -0.58 -3.92	83.54 -0.64 -4.28	80.62 -0.53 -4.81	96.90 -0.28 -4.05	126.26 0.85 -3.62	138.02 -0.53 -5.35	128.22 -0.63 -3.82	113.43 -1.20 -5.14	103.43 -1.00 -4.84	91.15 -1.39 -5.55	87.70 -1.59 -5.84	86.05 -1.64 -5.89	84.15 -1.66 -6.58	96.33 -0.82 -5.69	106.54 -0.92 -5.11	137.62 -0.26 -6.35	130.39 -0.25 -4.97	118.73 -0.80 -5.39	107.65 -1.03 -5.90	95.75 -1.72 -7.17	89.13 -1.60 -6.48	90.90 -0.69 -5.29
RUSSELL___3 23549	90.21 -0.34 -5.35	84.87 -0.48 -4.65	86.49 -0.58 -3.92	83.54 -0.64 -4.28	80.62 -0.53 -4.81	96.90 -0.28 -4.05	126.26 0.85 -3.62	138.02 -0.53 -5.35	128.22 -0.63 -3.82	113.43 -1.20 -5.14	103.43 -1.00 -4.84	91.15 -1.39 -5.55	87.70 -1.59 -5.84	86.05 -1.64 -5.89	84.15 -1.66 -6.58	96.33 -0.82 -5.69	106.54 -0.92 -5.11	137.62 -0.26 -6.35	130.39 -0.25 -4.97	118.73 -0.80 -5.39	107.65 -1.03 -5.90	95.75 -1.72 -7.17	89.13 -1.60 -6.48	90.90 -0.69 -5.29
RUSSELL___4 23556	90.21 -0.34 -5.35	84.87 -0.48 -4.65	86.49 -0.58 -3.92	83.54 -0.64 -4.28	80.62 -0.53 -4.81	96.90 -0.28 -4.05	126.26 0.85 -3.62	138.02 -0.53 -5.35	128.22 -0.63 -3.82	113.43 -1.20 -5.14	103.43 -1.00 -4.84	91.15 -1.39 -5.55	87.70 -1.59 -5.84	86.05 -1.64 -5.89	84.15 -1.66 -6.58	96.33 -0.82 -5.69	106.54 -0.92 -5.11	137.62 -0.26 -6.35	130.39 -0.25 -4.97	118.73 -0.80 -5.39	107.65 -1.03 -5.90	95.75 -1.72 -7.17	89.13 -1.60 -6.48	90.90 -0.69 -5.29
RUSSELL___STATION 23914	90.21 -0.34 -5.35	84.87 -0.48 -4.65	86.49 -0.58 -3.92	83.54 -0.64 -4.28	80.62 -0.53 -4.81	96.90 -0.28 -4.05	126.26 0.85 -3.62	138.02 -0.53 -5.35	128.22 -0.63 -3.82	113.43 -1.20 -5.14	103.43 -1.00 -4.84	91.15 -1.39 -5.55	87.70 -1.59 -5.84	86.05 -1.64 -5.89	84.15 -1.66 -6.58	96.33 -0.82 -5.69	106.54 -0.92 -5.11	137.62 -0.26 -6.35	130.39 -0.25 -4.97	118.73 -0.80 -5.39	107.65 -1.03 -5.90	95.75 -1.72 -7.17	89.13 -1.60 -6.48	90.90 -0.69 -5.29
S SALMON___HYD 24043	88.26 -0.25 -3.31	83.26 -0.32 -2.87	85.25 -0.33 -2.43	82.22 -0.32 -2.64	78.94 -0.38 -2.97	95.17 -0.46 -2.50	124.15 0.12 -2.23	136.90 0.40 -3.31	127.39 0.00 -2.36	112.67 0.00 -3.18	102.38 -0.20 -2.99	90.17 -0.26 -3.43	86.65 -0.42 -3.61	85.12 -0.33 -3.64	82.99 -0.32 -4.07	95.16 0.18 -3.52	105.72 0.21 -3.16	136.12 0.66 -3.93	129.12 0.38 -3.08	117.47 0.00 -3.33	106.23 -0.21 -3.65	94.54 -0.18 -4.42	87.83 -0.42 -4.00	89.13 -0.43 -3.27
S.PERRY___115KV_TB1 80734	95.15 2.04 -7.90	89.35 1.78 -6.86	90.61 1.66 -5.80	87.65 1.44 -6.32	85.06 1.60 -7.11	101.63 2.51 -5.98	132.37 5.24 -5.34	144.97 3.86 -7.91	133.86 3.13 -5.71	118.72 1.53 -7.69	108.02 1.20 -7.24	96.08 0.78 -8.30	92.54 0.33 -8.75	91.12 0.49 -8.82	89.49 0.40 -9.86	102.00 2.01 -8.53	112.77 2.76 -7.65	146.83 5.79 -9.51	138.65 5.53 -7.46	126.44 4.22 -8.08	114.81 3.19 -8.85	102.62 1.72 -10.61	95.11 1.26 -9.59	96.37 2.24 -7.83
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	88.05 -4.17 -7.02	82.77 -4.04 -6.10	84.14 -4.16 -5.15	81.35 -4.15 -5.61	78.84 -3.82 -6.31	93.97 -4.47 -5.31	121.42 -5.12 -4.74	131.83 -8.39 -7.03	121.89 -8.13 -4.99	108.55 -7.66 -6.72	98.94 -6.97 -6.33	87.64 -6.61 -7.25	84.33 -6.76 -7.64	82.88 -6.63 -7.71	81.35 -6.50 -8.61	92.60 -6.31 -7.45	102.18 -6.86 -6.68	131.42 -8.42 -8.31	124.51 -7.67 -6.51	113.77 -7.42 -7.05	103.21 -7.30 -7.73	92.49 -7.22 -9.42	86.36 -6.40 -8.51	88.68 -4.57 -6.95
SAWYER___23_KV_LOAD 55526	88.05 -4.17 -7.02	82.77 -4.04 -6.10	84.14 -4.16 -5.15	81.35 -4.15 -5.61	78.84 -3.82 -6.31	93.97 -4.47 -5.31	121.42 -5.12 -4.74	131.83 -8.39 -7.03	121.89 -8.13 -4.99	108.55 -7.66 -6.72	98.94 -6.97 -6.33	87.64 -6.61 -7.25	84.33 -6.76 -7.64	82.88 -6.63 -7.71	81.35 -6.50 -8.61	92.60 -6.31 -7.45	102.18 -6.86 -6.68	131.42 -8.42 -8.31	124.51 -7.67 -6.51	113.77 -7.42 -7.05	103.21 -7.30 -7.73	92.49 -7.22 -9.42	86.36 -6.40 -8.51	88.68 -4.57 -6.95
SELKIRK___I 23801	144.53 3.74 -55.58	132.45 3.47 -48.27	127.57 3.65 -40.77	127.75 3.43 -44.42	129.60 3.28 -49.97	138.70 3.54 -42.02	164.59 5.23 -37.56	194.16 5.33 -55.63	169.79 5.01 -39.75	167.34 4.27 -53.58	153.81 3.78 -50.45	148.02 3.22 -57.80	147.45 3.09 -60.92	146.32 3.11 -61.41	150.83 3.01 -68.58	154.39 3.56 -59.37	159.71 4.20 -53.15	203.08 5.52 -66.02	182.70 5.28 -51.76	174.99 4.79 -56.06	168.50 4.32 -61.41	168.37 3.70 -74.37	154.92 3.46 -67.21	145.09 3.89 -54.91
SELKIRK___II 23799	144.77 3.41 -56.16	132.62 3.14 -48.77	127.67 3.33 -41.19	127.89 3.11 -44.88	129.89 3.06 -50.49	138.94 3.35 -42.46	164.37 4.63 -37.95	194.06 4.66 -56.20	169.69 4.49 -40.16	167.56 3.94 -54.13	154.04 3.48 -50.97	148.44 3.04 -58.40	147.84 2.84 -61.55	146.71 2.86 -62.05	151.30 2.77 -69.29	154.73 3.29 -59.99	159.79 3.68 -53.75	203.17 4.87 -66.77	182.66 4.65 -52.34	175.05 4.23 -56.69	168.57 3.69 -62.10	168.75 3.25 -75.21	155.25 3.03 -67.97	145.28 3.46 -55.52
SENECA OSWGO___HYD 24041	87.95 -0.94 -3.68	83.02 -0.89 -3.20	84.94 -0.91 -2.70	81.97 -0.88 -2.94	78.90 -0.76 -3.31	94.90 -1.02 -2.79	123.43 -0.85 -2.49	136.09 -0.79 -3.69	126.79 -0.87 -2.63	112.05 -0.99 -3.54	101.92 -1.00 -3.33	89.86 -0.96 -3.82	86.31 -1.17 -4.03	84.79 -1.07 -4.06	82.74 -1.03 -4.53	94.56 -0.82 -3.92	104.86 -1.02 -3.52	135.26 -0.65 -4.37	128.22 -0.87 -3.43	116.82 -1.03 -3.71	105.72 -1.13 -4.07	94.15 -1.08 -4.93	87.45 -1.26 -4.45	88.90 -1.03 -3.64

SENECA___115KV_TB3 355854	88.95 -3.58 -7.32	83.60 -3.47 -6.36	84.86 -3.66 -5.37	82.16 -3.60 -5.85	79.57 -3.36 -6.58	94.85 -3.82 -5.54	122.72 -4.02 -4.95	133.60 -6.93 -7.33	123.47 -6.75 -5.19	110.03 -6.46 -7.00	100.30 -5.88 -6.59	88.89 -5.65 -7.55	85.57 -5.84 -7.96	84.10 -5.73 -8.03	82.50 -5.71 -8.96	93.91 -5.30 -7.76	103.48 -5.83 -6.96	133.08 -7.10 -8.65	126.04 -6.41 -6.78	115.09 -6.39 -7.34	104.55 -6.27 -8.05	93.71 -6.41 -9.83	87.40 -5.73 -8.88	89.67 -3.88 -7.25
SENECA___ENERGY 23797	91.75 0.09 -6.46	86.64 0.32 -5.61	88.14 0.25 -4.74	85.38 0.32 -5.16	82.62 0.46 -5.81	98.49 0.47 -4.89	128.10 1.94 -4.37	141.79 2.12 -6.47	131.12 1.51 -4.59	116.55 0.87 -6.18	106.01 0.60 -5.82	93.93 0.26 -6.67	90.56 0.08 -7.03	89.05 0.16 -7.09	87.32 0.16 -7.92	98.68 0.37 -6.85	109.13 0.62 -6.15	141.13 1.98 -7.62	133.40 1.76 -5.97	121.86 1.26 -6.47	110.68 0.82 -7.08	99.15 0.27 -8.58	91.84 -0.17 -7.75	92.80 0.17 -6.33
SHOEMAKER___GT 23640	131.79 4.94 -41.65	121.64 4.76 -36.17	118.60 4.90 -30.55	117.89 4.71 -33.28	118.37 4.58 -37.44	130.50 5.87 -31.49	157.37 7.43 -28.15	182.73 7.72 -41.81	162.53 7.50 -30.00	155.98 6.35 -40.14	143.25 5.87 -37.79	135.34 5.04 -43.30	134.11 4.67 -45.99	132.75 4.58 -46.37	135.05 4.43 -51.37	141.15 5.21 -44.48	148.80 5.93 -40.51	195.29 7.89 -55.87	178.27 7.41 -45.19	167.13 6.62 -46.37	155.23 5.86 -46.60	151.99 5.42 -56.27	140.15 5.05 -50.84	132.80 5.09 -41.41
SHOEMAKR_138KV_BK 111 55601	131.52 4.94 -41.38	121.41 4.76 -35.94	118.41 4.91 -30.35	117.68 4.71 -33.07	118.13 4.58 -37.20	130.29 5.87 -31.29	156.94 7.19 -27.96	182.46 7.73 -41.54	162.20 7.38 -29.79	155.61 6.24 -39.88	143.01 5.88 -37.55	135.06 5.05 -43.02	133.89 4.76 -45.68	132.44 4.58 -46.06	134.73 4.44 -51.05	140.87 5.21 -44.20	148.24 5.83 -40.05	194.53 7.76 -55.23	177.58 7.29 -44.62	166.65 6.62 -45.89	155.03 5.96 -46.29	151.60 5.42 -55.89	139.89 5.14 -50.49	132.61 5.18 -41.13
SHOREHAM_IC_1 23715	146.87 12.09 -49.57	141.89 11.62 -49.56	130.08 11.73 -35.21	130.79 11.19 -39.71	141.84 10.92 -54.57	147.47 13.78 -40.56	167.61 16.08 -29.74	192.54 17.19 -42.16	173.39 15.75 -32.61	165.68 12.70 -43.49	155.60 12.15 -43.86	148.88 11.48 -50.40	148.13 11.43 -53.25	148.27 10.80 -55.67	148.49 10.77 -58.48	156.09 12.26 -52.38	163.76 13.92 -47.49	224.69 17.63 -75.52	206.58 16.85 -64.07	185.20 14.27 -56.80	167.77 12.74 -52.25	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03
SHOREHAM_IC_2 23716	146.87 12.09 -49.57	141.89 11.62 -49.56	130.08 11.73 -35.21	130.79 11.19 -39.71	141.84 10.92 -54.57	147.47 13.78 -40.56	167.61 16.08 -29.74	192.54 17.19 -42.16	173.39 15.75 -32.61	165.68 12.70 -43.49	155.60 12.15 -43.86	148.88 11.48 -50.40	148.13 11.43 -53.25	148.27 10.80 -55.67	148.49 10.77 -58.48	156.09 12.26 -52.38	163.76 13.92 -47.49	224.69 17.63 -75.52	206.58 16.85 -64.07	185.20 14.27 -56.80	167.77 12.74 -52.25	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03
SISSONVILLE____ 23735	80.18 -5.03 0.00	75.87 -4.84 0.00	78.25 -4.91 0.00	75.27 -4.63 0.00	71.84 -4.50 0.00	87.17 -5.96 0.00	113.51 -8.28 0.00	124.67 -8.52 0.00	117.03 -8.00 0.00	103.36 -6.13 0.00	93.81 -5.78 0.00	81.95 -5.05 0.00	78.94 -4.51 0.00	77.30 -4.50 0.00	75.04 -4.20 0.00	86.06 -5.40 0.00	96.63 -5.73 0.00	122.99 -8.55 0.00	117.50 -8.17 0.00	107.40 -6.73 0.00	96.92 -5.86 0.00	84.97 -5.33 0.00	79.96 -4.30 0.00	81.38 -4.92 0.00
SITHE_IND_GS1 24169	85.84 -2.22 -2.85	81.09 -2.10 -2.48	83.08 -2.16 -2.09	80.10 -2.08 -2.28	76.93 -1.99 -2.56	92.68 -2.61 -2.16	120.44 -3.28 -1.93	132.58 -3.46 -2.85	123.70 -3.37 -2.04	109.06 -3.18 -2.74	99.28 -2.89 -2.58	87.35 -2.61 -2.96	83.98 -2.59 -3.12	82.41 -2.54 -3.14	80.30 -2.46 -3.51	91.94 -2.56 -3.04	102.02 -3.07 -2.73	131.38 -3.55 -3.39	124.81 -3.52 -2.66	113.70 -3.31 -2.88	102.85 -3.08 -3.15	91.41 -2.71 -3.82	85.09 -2.61 -3.45	86.79 -2.33 -2.82
SITHE_IND_GS2 24170	85.84 -2.22 -2.85	81.09 -2.10 -2.48	83.08 -2.16 -2.09	80.10 -2.08 -2.28	76.93 -1.99 -2.56	92.68 -2.61 -2.16	120.44 -3.28 -1.93	132.58 -3.46 -2.85	123.70 -3.37 -2.04	109.06 -3.18 -2.74	99.28 -2.89 -2.58	87.35 -2.61 -2.96	83.98 -2.59 -3.12	82.41 -2.54 -3.14	80.30 -2.46 -3.51	91.94 -2.56 -3.04	102.02 -3.07 -2.73	131.38 -3.55 -3.39	124.81 -3.52 -2.66	113.70 -3.31 -2.88	102.85 -3.08 -3.15	91.41 -2.71 -3.82	85.09 -2.61 -3.45	86.79 -2.33 -2.82
SITHE_IND_GS3 24171	85.84 -2.22 -2.85	81.09 -2.10 -2.48	83.08 -2.16 -2.09	80.10 -2.08 -2.28	76.93 -1.99 -2.56	92.68 -2.61 -2.16	120.44 -3.28 -1.93	132.58 -3.46 -2.85	123.70 -3.37 -2.04	109.06 -3.18 -2.74	99.28 -2.89 -2.58	87.35 -2.61 -2.96	83.98 -2.59 -3.12	82.41 -2.54 -3.14	80.30 -2.46 -3.51	91.94 -2.56 -3.04	102.02 -3.07 -2.73	131.38 -3.55 -3.39	124.81 -3.52 -2.66	113.70 -3.31 -2.88	102.85 -3.08 -3.15	91.41 -2.71 -3.82	85.09 -2.61 -3.45	86.79 -2.33 -2.82
SITHE_IND_GS4 24172	85.84 -2.22 -2.85	81.09 -2.10 -2.48	83.08 -2.16 -2.09	80.10 -2.08 -2.28	76.93 -1.99 -2.56	92.68 -2.61 -2.16	120.44 -3.28 -1.93	132.58 -3.46 -2.85	123.70 -3.37 -2.04	109.06 -3.18 -2.74	99.28 -2.89 -2.58	87.35 -2.61 -2.96	83.98 -2.59 -3.12	82.41 -2.54 -3.14	80.30 -2.46 -3.51	91.94 -2.56 -3.04	102.02 -3.07 -2.73	131.38 -3.55 -3.39	124.81 -3.52 -2.66	113.70 -3.31 -2.88	102.85 -3.08 -3.15	91.41 -2.71 -3.82	85.09 -2.61 -3.45	86.79 -2.33 -2.82
SITHE___BATAVIA 24024	90.38 -1.02 -6.20	84.88 -1.21 -5.38	86.45 -1.24 -4.55	83.49 -1.36 -4.95	80.62 -1.30 -5.57	96.89 -0.93 -4.69	125.62 -0.36 -4.19	137.13 -2.27 -6.20	127.06 -2.38 -4.41	112.49 -2.95 -5.94	102.50 -2.68 -5.60	90.19 -3.22 -6.41	86.78 -3.43 -6.76	85.34 -3.27 -6.81	83.44 -3.41 -7.61	95.58 -2.47 -6.59	105.09 -3.17 -5.91	136.02 -2.89 -7.38	128.06 -3.39 -5.78	116.86 -3.54 -6.26	105.94 -3.70 -6.86	94.64 -3.97 -8.31	88.39 -3.37 -7.51	90.45 -1.98 -6.14
SITHE___INDEPEND 23800	85.84 -2.22 -2.85	81.09 -2.10 -2.48	83.08 -2.16 -2.09	80.10 -2.08 -2.28	76.93 -1.99 -2.56	92.68 -2.61 -2.16	120.55 -3.17 -1.93	132.58 -3.46 -2.85	123.69 -3.38 -2.04	109.18 -3.07 -2.75	99.28 -2.89 -2.59	87.44 -2.52 -2.96	83.98 -2.59 -3.12	82.41 -2.54 -3.14	80.30 -2.46 -3.51	91.94 -2.56 -3.04	102.12 -2.97 -2.73	131.50 -3.42 -3.39	124.93 -3.39 -2.66	113.82 -3.20 -2.88	102.95 -2.98 -3.15	91.41 -2.71 -3.82	85.18 -2.53 -3.45	86.79 -2.33 -2.82
SITHE___MASSENA 23902	81.71 -3.50 0.00	77.40 -3.31 0.00	79.74 -3.41 0.00	76.70 -3.20 0.00	73.21 -3.13 0.00	89.23 -3.91 0.00	115.95 -5.84 0.00	127.07 -6.12 0.00	119.28 -5.75 0.00	105.22 -4.27 0.00	95.60 -3.99 0.00	83.69 -3.31 0.00	80.53 -2.92 0.00	78.93 -2.87 0.00	76.55 -2.69 0.00	87.70 -3.75 0.00	98.47 -3.89 0.00	125.36 -6.18 0.00	120.14 -5.53 0.00	109.69 -4.45 0.00	98.98 -3.80 0.00	86.87 -3.43 0.00	81.30 -2.95 0.00	83.02 -3.28 0.00
SITHE___OGDNSBRG 24021	81.80 -3.41 0.00	77.48 -3.23 0.00	79.83 -3.33 0.00	76.86 -3.04 0.00	73.52 -2.82 0.00	89.60 -3.54 0.00	116.80 -4.99 0.00	128.40 -4.79 0.00	120.40 -4.63 0.00	106.32 -3.18 0.00	96.60 -2.99 0.00	84.30 -2.70 0.00	81.20 -2.25 0.00	79.59 -2.21 0.00	77.18 -2.06 0.00	88.53 -2.93 0.00	99.39 -2.97 0.00	126.41 -5.13 0.00	121.02 -4.65 0.00	110.49 -3.65 0.00	99.69 -3.08 0.00	87.41 -2.89 0.00	81.81 -2.44 0.00	83.28 -3.02 0.00

SITHE___STERLING 23777	91.75 3.74 -2.81	86.61 3.47 -2.44	88.86 3.65 -2.06	85.65 3.51 -2.24	82.31 3.44 -2.52	99.91 4.65 -2.12	130.87 7.18 -1.90	143.99 7.99 -2.81	134.29 7.25 -2.01	118.33 6.13 -2.71	107.61 5.47 -2.55	94.44 4.52 -2.92	90.70 4.17 -3.08	88.91 4.01 -3.10	86.51 3.80 -3.46	99.48 5.03 -3.00	110.78 5.73 -2.69	142.37 7.49 -3.34	135.07 6.78 -2.62	122.68 5.70 -2.84	110.82 4.93 -3.11	98.31 4.24 -3.76	91.03 3.37 -3.40	92.61 3.54 -2.78
SLEIGHT__34_KV_TB1 80719	89.74 -0.68 -5.22	84.43 -0.81 -4.53	86.06 -0.91 -3.83	83.19 -0.88 -4.17	80.35 -0.69 -4.69	96.52 -0.56 -3.95	125.80 0.49 -3.53	138.42 0.00 -5.22	128.51 -0.25 -3.73	113.75 -0.77 -5.02	103.62 -0.70 -4.73	91.46 -0.96 -5.42	87.87 -1.25 -5.67	86.21 -1.31 -5.72	84.36 -1.27 -6.39	96.25 -0.73 -5.53	106.60 -0.72 -4.96	137.57 -0.13 -6.16	130.37 -0.13 -4.83	118.80 -0.57 -5.23	107.69 -0.82 -5.73	95.90 -1.35 -6.95	89.11 -1.43 -6.29	90.57 -0.86 -5.13
SOUTH CAIRO___GT 23612	144.70 5.80 -53.70	132.59 5.24 -46.64	128.20 5.66 -39.39	128.17 5.35 -42.92	129.90 5.26 -48.28	139.71 5.97 -40.61	167.95 9.86 -36.29	196.01 9.06 -53.75	171.82 8.38 -38.41	167.39 6.13 -51.77	153.80 5.47 -48.74	147.02 4.18 -55.85	146.32 4.01 -58.86	145.06 3.93 -59.34	149.70 4.20 -66.27	153.95 5.12 -57.37	160.30 6.75 -51.19	205.12 9.99 -63.59	184.95 9.43 -49.85	176.70 8.56 -53.99	169.33 7.40 -59.15	168.16 6.23 -71.63	154.22 5.23 -64.74	145.22 6.04 -52.88
SOUTH HAMPTN___IC 23720	147.64 12.87 -49.57	142.62 12.35 -49.56	130.75 12.39 -35.21	131.43 11.82 -39.71	142.52 11.60 -54.57	148.31 14.62 -40.56	169.29 17.65 -29.84	194.55 18.78 -42.57	175.19 17.37 -32.78	167.09 14.02 -43.58	156.80 13.35 -43.86	149.83 12.44 -50.40	148.88 12.18 -53.25	149.08 11.61 -55.67	149.21 11.49 -58.48	157.01 13.17 -52.38	164.93 15.05 -47.52	226.40 19.34 -75.52	208.21 18.48 -64.07	187.12 15.86 -57.12	169.22 14.08 -52.36	165.14 12.19 -62.66	153.52 11.88 -57.39	151.32 11.99 -53.03
SOUTHDOW_115KV_TB1 355954	90.51 -2.73 -8.03	84.54 -3.15 -6.98	85.72 -3.33 -5.89	83.52 -2.80 -6.42	80.44 -3.13 -7.22	95.95 -3.26 -6.08	125.52 -1.71 -5.43	137.51 -3.73 -8.04	127.01 -3.63 -5.60	113.22 -3.83 -7.55	103.21 -3.49 -7.11	91.49 -3.65 -8.15	88.03 -4.01 -8.59	86.53 -3.93 -8.66	84.87 -4.04 -9.67	96.54 -3.29 -8.37	106.29 -3.58 -7.51	136.27 -4.60 -9.34	128.96 -4.02 -7.32	117.73 -4.34 -7.93	106.63 -4.83 -8.68	95.85 -5.24 -10.79	88.95 -5.06 -9.75	91.41 -2.85 -7.96
SOUTHOLD_69_KV_BK 2 55809	147.56 12.78 -49.57	142.46 12.19 -49.56	130.50 12.14 -35.21	131.27 11.67 -39.71	142.29 11.38 -54.57	148.03 14.34 -40.56	167.71 16.08 -29.84	192.67 16.92 -42.57	173.44 15.63 -32.78	165.77 12.70 -43.58	156.19 12.75 -43.86	149.66 12.27 -50.39	148.04 11.35 -53.25	149.00 11.53 -55.67	148.34 10.62 -58.48	155.54 11.71 -52.38	163.97 14.13 -47.49	225.21 18.15 -75.52	206.58 16.84 -64.07	185.63 14.38 -57.11	168.80 13.67 -52.36	166.77 13.82 -62.66	154.62 12.98 -57.39	152.45 13.12 -53.03
SOUTHOLD___IC 23719	148.75 13.97 -49.57	143.58 13.31 -49.56	131.58 13.22 -35.21	132.31 12.71 -39.71	143.37 12.45 -54.57	149.44 15.74 -40.56	171.24 19.61 -29.84	196.80 21.04 -42.57	177.19 19.38 -32.78	168.84 15.77 -43.58	158.19 14.74 -43.86	150.96 13.57 -50.40	149.71 13.01 -53.25	149.90 12.43 -55.67	149.92 12.20 -58.48	158.10 14.26 -52.38	166.25 16.37 -47.52	228.51 21.45 -75.52	210.35 20.61 -64.07	188.94 17.69 -57.11	170.86 15.73 -52.35	166.49 13.54 -62.66	154.61 12.97 -57.39	152.36 13.03 -53.03
SOUTH_FORK_WT_PWR 323839	148.67 13.89 -49.57	143.58 13.31 -49.56	131.41 13.06 -35.21	132.15 12.54 -39.71	143.29 12.37 -54.57	149.33 15.64 -40.56	171.00 19.37 -29.84	196.68 20.91 -42.57	177.06 19.25 -32.78	168.85 15.77 -43.58	158.19 14.74 -43.86	150.79 13.39 -50.40	149.46 12.77 -53.25	149.66 12.19 -55.67	149.76 12.04 -58.48	157.83 13.99 -52.38	166.05 16.17 -47.52	227.97 20.92 -75.52	209.97 20.24 -64.07	188.60 17.34 -57.12	170.55 15.41 -52.36	166.23 13.28 -62.66	154.37 12.72 -57.39	152.19 12.86 -53.03
SPIERFLS_115KV_TB 1 80737	150.14 6.65 -58.29	137.46 6.13 -50.62	131.47 5.57 -42.75	131.75 5.27 -46.58	133.56 4.81 -52.40	142.61 5.40 -44.07	171.17 9.99 -39.39	202.19 10.66 -58.34	176.84 10.13 -41.69	174.11 8.43 -56.18	159.66 7.17 -52.90	153.79 6.18 -60.61	153.26 5.92 -63.88	152.01 5.81 -64.40	156.87 5.71 -71.92	160.58 6.86 -62.26	166.59 8.39 -55.84	212.70 11.84 -69.33	191.33 11.31 -54.35	183.05 10.04 -58.87	175.69 8.43 -64.48	175.35 6.95 -78.10	160.82 5.98 -70.58	149.74 5.78 -57.66
ST LAWRENCE___ 23600	81.88 -3.32 0.00	77.64 -3.07 0.00	79.91 -3.24 0.00	76.86 -3.04 0.00	73.45 -2.90 0.00	89.50 -3.63 0.00	116.56 -5.23 0.00	127.60 -5.59 0.00	119.78 -5.25 0.00	105.45 -4.05 0.00	95.80 -3.78 0.00	83.87 -3.13 0.00	80.70 -2.75 0.00	79.10 -2.70 0.00	76.63 -2.61 0.00	87.98 -3.48 0.00	98.68 -3.68 0.00	126.02 -5.52 0.00	120.64 -5.03 0.00	110.03 -4.10 0.00	99.18 -3.60 0.00	87.13 -3.16 0.00	81.48 -2.78 0.00	83.19 -3.10 0.00
STATE_CA_115KV_115_LB 55624	145.94 3.75 -56.98	133.67 3.47 -49.49	128.52 3.58 -41.80	128.79 3.36 -45.54	130.86 3.28 -51.23	139.57 3.35 -43.08	165.30 4.99 -38.51	195.56 5.33 -57.03	170.91 5.13 -40.76	168.80 4.38 -54.93	155.19 3.88 -51.72	149.65 3.39 -59.26	149.08 3.17 -62.46	147.95 3.19 -62.96	152.64 3.09 -70.31	156.08 3.75 -60.87	161.25 4.30 -54.59	204.96 5.66 -67.77	184.32 5.53 -53.12	176.59 4.91 -57.54	170.13 4.32 -63.03	170.23 3.61 -76.32	156.51 3.29 -68.97	146.52 3.88 -56.34
STATE_ST_34_KV_LOAD 55959	91.93 0.68 -6.05	86.61 0.65 -5.25	88.17 0.58 -4.43	85.37 0.64 -4.83	82.55 0.76 -5.44	98.64 0.93 -4.57	128.31 2.44 -4.09	142.18 2.93 -6.05	131.74 2.38 -4.33	117.08 1.75 -5.84	106.48 1.39 -5.50	94.34 1.04 -6.30	90.63 0.67 -6.51	89.18 0.82 -6.56	87.28 0.71 -7.33	98.99 1.19 -6.35	109.48 1.43 -5.69	141.37 2.76 -7.07	133.85 2.64 -5.55	122.31 2.17 -6.01	111.00 1.64 -6.58	99.25 0.99 -7.96	91.95 0.51 -7.19	92.95 0.78 -5.88
STATION 5_MISC_HYD 23604	89.70 -0.85 -5.35	84.39 -0.96 -4.65	86.08 -0.99 -3.92	83.13 -1.04 -4.28	80.16 -0.99 -4.81	96.43 -0.75 -4.04	125.16 -0.24 -3.62	137.09 -1.46 -5.35	127.21 -1.63 -3.81	112.66 -1.97 -5.14	102.63 -1.79 -4.84	90.54 -2.00 -5.54	87.12 -2.17 -5.84	85.48 -2.20 -5.89	83.60 -2.22 -6.58	95.59 -1.56 -5.69	105.52 -1.95 -5.11	136.32 -1.57 -6.36	128.64 -2.02 -4.99	117.37 -2.17 -5.40	106.43 -2.26 -5.92	94.94 -2.53 -7.17	88.54 -2.19 -6.48	90.30 -1.29 -5.29
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	93.61 3.15 -5.25	88.10 2.82 -4.56	89.83 2.83 -3.85	86.74 2.64 -4.20	83.74 2.67 -4.72	100.93 3.82 -3.97	132.16 6.82 -3.55	145.25 6.79 -5.26	135.03 6.25 -3.75	119.15 4.60 -5.06	108.73 4.38 -4.76	95.67 3.22 -5.46	91.93 2.75 -5.73	90.11 2.54 -5.78	88.07 2.38 -6.45	100.97 3.93 -5.58	111.87 4.50 -5.01	144.73 6.97 -6.23	137.08 6.53 -4.88	124.67 5.25 -5.29	112.88 4.32 -5.79	100.21 2.89 -7.02	93.04 2.44 -6.35	94.59 3.11 -5.18
STA_56_34_KV_BUS2_REV_LBMP_B 345033	89.28 -1.19 -5.27	83.99 -1.29 -4.57	85.60 -1.41 -3.86	82.67 -1.44 -4.21	79.86 -1.22 -4.74	95.91 -1.21 -3.98	124.86 -0.49 -3.56	136.60 -1.86 -5.27	126.91 -1.88 -3.76	112.37 -2.19 -5.06	102.36 -1.99 -4.77	90.29 -2.17 -5.46	86.86 -2.34 -5.75	85.22 -2.37 -5.79	83.34 -2.38 -6.47	95.32 -1.74 -5.60	105.54 -1.84 -5.02	136.07 -1.71 -6.25	129.06 -1.51 -4.90	117.50 -1.94 -5.30	106.53 -2.06 -5.81	94.82 -2.53 -7.05	88.27 -2.36 -6.37	90.04 -1.47 -5.21

STA_56___34_KV_BUS2 355983	89.28 -1.19 -5.27	83.99 -1.29 -4.57	85.60 -1.41 -3.86	82.67 -1.44 -4.21	79.86 -1.22 -4.74	95.91 -1.21 -3.98	124.86 -0.49 -3.56	136.60 -1.86 -5.27	126.91 -1.88 -3.76	112.37 -2.19 -5.06	102.36 -1.99 -4.77	90.29 -2.17 -5.46	86.86 -2.34 -5.75	85.22 -2.37 -5.79	83.34 -2.38 -6.47	95.32 -1.74 -5.60	105.54 -1.84 -5.02	136.07 -1.71 -6.25	129.06 -1.51 -4.90	117.50 -1.94 -5.30	106.53 -2.06 -5.81	94.82 -2.53 -7.05	88.27 -2.36 -6.37	90.04 -1.47 -5.21
STA_67___115KV_BK2 355882	89.53 -1.02 -5.34	84.30 -1.05 -4.64	85.91 -1.16 -3.92	82.97 -1.20 -4.27	80.08 -1.07 -4.81	96.15 -1.02 -4.04	125.16 -0.24 -3.61	136.81 -1.73 -5.35	126.97 -1.88 -3.81	112.44 -2.19 -5.14	102.53 -1.89 -4.84	90.37 -2.17 -5.54	86.95 -2.34 -5.83	85.31 -2.37 -5.88	83.43 -2.38 -6.57	95.41 -1.74 -5.69	105.62 -1.84 -5.10	136.16 -1.71 -6.34	129.13 -1.51 -4.97	117.69 -1.83 -5.38	106.62 -2.06 -5.90	94.93 -2.53 -7.16	88.45 -2.27 -6.47	90.29 -1.29 -5.29
STA_7___115KV_9TRANS 80674	90.21 -0.34 -5.35	84.87 -0.48 -4.65	86.49 -0.58 -3.92	83.54 -0.64 -4.28	80.62 -0.53 -4.81	96.90 -0.28 -4.05	126.26 0.85 -3.62	138.02 -0.53 -5.35	128.22 -0.63 -3.82	113.43 -1.20 -5.14	103.43 -1.00 -4.84	91.15 -1.39 -5.55	87.70 -1.59 -5.84	86.05 -1.64 -5.89	84.15 -1.66 -6.58	96.33 -0.82 -5.69	106.54 -0.92 -5.11	137.62 -0.26 -6.35	130.39 -0.25 -4.97	118.73 -0.80 -5.39	107.65 -1.03 -5.90	95.75 -1.72 -7.17	89.13 -1.60 -6.48	90.90 -0.69 -5.29
STA_82___115KV_TB1 80780	89.64 -0.94 -5.37	84.33 -1.05 -4.67	86.01 -1.08 -3.94	83.08 -1.12 -4.29	80.19 -0.99 -4.83	96.27 -0.93 -4.06	125.30 -0.12 -3.63	136.97 -1.60 -5.38	127.24 -1.63 -3.83	112.58 -2.08 -5.17	102.66 -1.79 -4.87	90.48 -2.09 -5.57	87.06 -2.25 -5.87	85.42 -2.29 -5.91	83.55 -2.30 -6.61	95.53 -1.65 -5.72	105.75 -1.74 -5.13	136.46 -1.45 -6.38	129.28 -1.38 -5.00	117.84 -1.71 -5.41	106.75 -1.95 -5.93	95.06 -2.44 -7.20	88.57 -2.19 -6.51	90.40 -1.21 -5.32
STEEL___WIND 323596	88.78 -3.75 -7.32	83.44 -3.63 -6.36	84.78 -3.74 -5.37	82.00 -3.75 -5.85	79.27 -3.66 -6.58	94.67 -4.00 -5.54	121.99 -4.28 -4.95	133.20 -7.33 -7.33	122.97 -7.25 -5.20	109.71 -6.79 -7.00	100.00 -6.17 -6.59	88.63 -5.92 -7.55	85.32 -6.09 -7.96	84.02 -5.81 -8.03	82.34 -5.86 -8.96	93.55 -5.67 -7.76	102.77 -6.55 -6.96	132.37 -7.89 -8.72	124.59 -7.91 -6.84	114.01 -7.54 -7.41	103.60 -7.29 -8.11	93.17 -6.95 -9.83	87.15 -5.98 -8.88	89.24 -4.31 -7.25
STEPHTWN_115KV_BK_2 55603	146.19 4.60 -56.39	133.96 4.28 -48.97	128.84 4.32 -41.36	129.12 4.15 -45.06	131.02 3.97 -50.70	140.06 4.28 -42.64	166.72 6.82 -38.11	196.83 7.19 -56.44	172.24 6.88 -40.33	169.76 5.91 -54.36	155.84 5.08 -51.18	149.99 4.35 -58.64	149.34 4.09 -61.81	148.11 4.01 -62.30	152.78 3.96 -69.58	156.45 4.76 -60.24	162.01 5.63 -54.02	206.35 7.76 -67.05	185.52 7.29 -52.56	177.69 6.62 -56.93	170.80 5.65 -62.37	170.62 4.79 -75.54	156.90 4.38 -68.26	146.81 4.75 -55.77
STEBUBEN_REC_LFGE 323667	95.74 0.34 -10.20	89.89 0.32 -8.85	90.71 0.08 -7.48	88.13 0.08 -8.15	85.90 0.38 -9.17	101.50 0.65 -7.71	131.48 2.80 -6.89	145.26 1.86 -10.20	133.49 1.00 -7.46	119.54 0.00 -10.05	108.85 -0.20 -9.46	97.06 -0.78 -10.84	93.49 -1.42 -11.46	92.29 -1.06 -11.55	91.11 -1.03 -12.90	102.35 -0.27 -11.17	112.58 0.20 -10.02	145.83 1.84 -12.45	137.19 1.76 -9.76	125.62 0.91 -10.57	114.46 0.10 -11.58	103.11 -0.90 -13.72	95.30 -1.35 -12.40	96.16 -0.26 -10.13
STILLWATER___SOLAR 323814	148.92 5.71 -58.01	136.41 5.33 -50.38	130.86 5.16 -42.55	131.13 4.87 -46.36	133.16 4.66 -52.16	142.49 5.49 -43.86	169.77 8.77 -39.20	200.71 9.46 -58.06	175.40 8.88 -41.49	172.96 7.55 -55.92	158.81 6.57 -52.65	152.98 5.65 -60.33	152.54 5.51 -63.58	151.29 5.40 -64.09	156.05 5.23 -71.58	159.65 6.22 -61.97	165.37 7.47 -55.55	210.66 10.13 -69.00	189.30 9.55 -54.09	181.39 8.67 -58.58	174.36 7.40 -64.18	174.26 6.23 -77.74	160.06 5.56 -70.25	149.21 5.53 -57.39
STONY___BROOK 24151	144.91 10.13 -49.57	140.19 9.92 -49.56	128.50 10.14 -35.21	129.27 9.66 -39.71	140.31 9.39 -54.57	145.24 11.55 -40.56	163.60 12.55 -29.26	186.59 13.32 -40.08	169.01 12.26 -31.72	162.58 10.07 -43.01	153.50 10.05 -43.86	147.40 10.00 -50.40	146.54 9.84 -53.25	146.87 9.40 -55.67	146.91 9.19 -58.48	154.07 10.24 -52.38	160.83 11.16 -47.31	221.79 14.73 -75.52	203.68 13.95 -64.07	181.20 11.87 -55.19	165.11 10.59 -51.75	162.43 9.48 -62.65	151.41 9.77 -57.39	149.33 10.01 -53.03
STURGEON_POOL_HYD 23609	140.12 6.99 -47.93	128.96 6.62 -41.63	125.29 6.98 -35.16	124.92 6.71 -38.31	125.93 6.49 -43.10	138.04 8.66 -36.24	164.90 10.72 -32.39	192.49 11.32 -47.98	170.07 10.75 -34.28	164.79 9.09 -46.21	151.75 8.66 -43.50	144.24 7.39 -49.85	142.75 6.76 -52.54	141.23 6.46 -52.96	144.81 6.42 -59.15	150.07 7.41 -51.21	155.65 7.37 -45.92	197.52 9.87 -56.12	178.84 9.17 -43.99	170.12 8.33 -47.65	162.69 7.71 -52.20	160.56 7.04 -63.22	147.96 6.57 -57.14	139.36 6.39 -46.68
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	133.20 5.45 -42.54	122.98 5.33 -36.94	119.84 5.49 -31.20	119.09 5.19 -33.99	119.63 5.04 -38.25	131.82 6.52 -32.16	158.46 7.92 -28.75	184.58 8.66 -42.73	164.07 8.38 -30.66	157.60 7.12 -40.99	144.85 6.67 -38.59	136.96 5.74 -44.22	135.81 5.34 -47.02	134.44 5.24 -47.41	136.78 5.07 -52.47	142.73 5.85 -45.42	150.15 6.55 -41.24	198.20 8.68 -57.99	180.93 8.17 -47.10	169.66 7.53 -47.99	157.11 6.68 -47.65	153.84 6.05 -57.50	141.93 5.73 -51.95	134.29 5.70 -42.29
SWANROAD_115KV_TB1 355699	86.38 -5.54 -6.72	81.22 -5.33 -5.83	82.51 -5.57 -4.93	79.84 -5.43 -5.37	77.35 -5.04 -6.04	92.25 -5.96 -5.08	119.02 -7.31 -4.54	128.86 -11.06 -6.72	119.18 -10.63 -4.78	105.97 -9.96 -6.44	96.58 -9.06 -6.06	85.42 -8.53 -6.94	82.26 -8.51 -7.32	80.83 -8.34 -7.38	79.32 -8.16 -8.24	90.45 -8.14 -7.13	99.75 -9.01 -6.40	128.31 -11.18 -7.95	121.60 -10.30 -6.23	111.07 -9.82 -6.75	100.82 -9.35 -7.40	90.19 -9.12 -9.01	84.31 -8.09 -8.15	86.82 -6.13 -6.65
SYNERGY___BIOGAS 323694	90.38 -1.02 -6.20	84.88 -1.21 -5.38	86.45 -1.24 -4.55	83.49 -1.36 -4.95	80.62 -1.30 -5.57	96.89 -0.93 -4.69	125.62 -0.36 -4.19	137.13 -2.27 -6.20	127.06 -2.38 -4.41	112.49 -2.95 -5.94	102.50 -2.68 -5.60	90.19 -3.22 -6.41	86.78 -3.43 -6.76	85.34 -3.27 -6.81	83.44 -3.41 -7.61	95.58 -2.47 -6.59	105.09 -3.17 -5.91	136.02 -2.89 -7.38	128.06 -3.39 -5.78	116.86 -3.54 -6.26	105.94 -3.70 -6.86	94.64 -3.97 -8.31	88.39 -3.37 -7.51	90.45 -1.98 -6.14
SYRACUSE___ENERGY_ST1 323597	90.29 0.34 -4.75	85.07 0.24 -4.12	86.80 0.17 -3.48	83.85 0.16 -3.79	80.77 0.15 -4.27	96.82 0.09 -3.59	125.85 0.85 -3.21	138.88 0.93 -4.75	129.18 0.75 -3.40	114.40 0.33 -4.58	104.09 0.20 -4.31	92.02 0.09 -4.94	88.45 -0.17 -5.17	86.93 -0.08 -5.21	84.99 -0.08 -5.82	96.68 0.18 -5.04	107.19 0.31 -4.52	138.21 1.05 -5.62	130.95 0.88 -4.41	119.48 0.57 -4.77	108.42 0.41 -5.23	96.81 0.18 -6.33	89.97 0.00 -5.72	91.23 0.26 -4.67
SYRACUSE___ENERGY_ST2 323598	90.29 0.34 -4.75	85.07 0.24 -4.12	86.80 0.17 -3.48	83.85 0.16 -3.79	80.77 0.15 -4.27	96.82 0.09 -3.59	125.85 0.85 -3.21	138.88 0.93 -4.75	129.18 0.75 -3.40	114.40 0.33 -4.58	104.09 0.20 -4.31	92.02 0.09 -4.94	88.45 -0.17 -5.17	86.93 -0.08 -5.21	84.99 -0.08 -5.82	96.68 0.18 -5.04	107.19 0.31 -4.52	138.21 1.05 -5.62	130.95 0.88 -4.41	119.48 0.57 -4.77	108.42 0.41 -5.23	96.81 0.18 -6.33	89.97 0.00 -5.72	91.23 0.26 -4.67

SYRACUSE___POWER 24017	90.40 0.26 -4.94	85.16 0.16 -4.29	86.86 0.08 -3.62	83.93 0.08 -3.95	80.86 0.08 -4.44	96.87 0.00 -3.73	125.86 0.73 -3.34	138.93 0.80 -4.94	129.19 0.63 -3.53	114.58 0.33 -4.76	104.27 0.20 -4.48	92.22 0.09 -5.14	88.69 -0.17 -5.41	87.17 -0.08 -5.45	85.25 -0.08 -6.09	96.91 0.18 -5.27	107.39 0.31 -4.73	138.33 0.92 -5.87	131.15 0.88 -4.60	119.70 0.57 -4.99	108.55 0.31 -5.46	97.09 0.18 -6.61	90.23 0.00 -5.98	91.35 0.17 -4.88
TALLMAN___138KV_BK151 55660	135.15 6.22 -43.73	124.74 6.05 -37.98	121.38 6.15 -32.07	120.68 5.83 -34.94	121.31 5.65 -39.32	133.46 7.26 -33.06	160.36 9.01 -29.55	187.72 10.12 -44.41	167.10 9.75 -32.32	160.81 8.32 -42.99	148.22 7.67 -40.97	140.54 6.52 -47.01	139.25 6.18 -49.63	137.84 5.97 -50.07	140.03 5.71 -55.08	146.66 6.58 -48.62	153.79 7.37 -44.06	204.43 9.60 -63.29	187.02 9.17 -52.17	174.38 8.45 -51.80	160.31 7.50 -50.03	156.50 6.68 -59.52	144.43 6.32 -53.86	135.98 6.30 -43.38
TEALLAVE_115KV_TB7 355573	89.15 -0.17 -4.11	84.04 -0.24 -3.57	85.92 -0.25 -3.02	82.95 -0.24 -3.29	79.74 -0.31 -3.70	95.69 0.00 -3.11	124.57 0.00 -2.78	137.31 0.00 -4.12	127.85 -0.13 -2.94	113.13 -0.33 -3.97	102.92 -0.40 -3.73	90.84 -0.43 -4.28	87.36 -0.58 -4.50	85.76 -0.57 -4.53	83.83 -0.48 -5.06	95.48 -0.37 -4.38	105.88 -0.41 -3.93	136.42 0.00 -4.89	129.37 -0.13 -3.83	118.06 -0.23 -4.15	106.91 -0.41 -4.55	95.44 -0.36 -5.50	88.72 -0.51 -4.97	90.10 -0.26 -4.06
TELGRAPH_34_KV_EAST 80808	88.79 -2.81 -6.40	83.52 -2.74 -5.56	84.93 -2.91 -4.69	82.06 -2.96 -5.11	79.43 -2.67 -5.75	95.09 -2.89 -4.84	123.31 -2.80 -4.32	133.87 -5.73 -6.40	123.96 -5.63 -4.55	109.94 -5.69 -6.13	100.18 -5.18 -5.78	88.40 -5.22 -6.62	85.08 -5.34 -6.97	83.59 -5.24 -7.03	81.94 -5.15 -7.85	93.68 -4.57 -6.80	103.44 -5.02 -6.09	133.32 -5.79 -7.58	126.33 -5.28 -5.94	115.21 -5.36 -6.43	104.38 -5.45 -7.05	93.10 -5.78 -8.58	86.95 -5.06 -7.75	89.27 -3.37 -6.33
TEMPLE___115KV_TB 2 55572	89.29 -0.09 -4.17	84.17 -0.16 -3.62	86.04 -0.17 -3.06	83.07 -0.16 -3.33	79.87 -0.23 -3.75	95.82 -0.47 -3.15	124.61 0.00 -2.82	137.50 0.13 -4.17	128.01 0.00 -2.98	113.19 -0.33 -4.02	103.07 -0.30 -3.78	90.99 -0.35 -4.34	87.42 -0.58 -4.56	85.91 -0.49 -4.60	83.98 -0.40 -5.13	95.63 -0.27 -4.44	106.04 -0.31 -3.99	136.62 0.13 -4.95	129.55 0.00 -3.88	118.12 -0.23 -4.21	106.97 -0.41 -4.61	95.52 -0.36 -5.58	88.88 -0.42 -5.04	90.24 -0.17 -4.12
TIANA___69_KV_BK 1 55817	146.19 11.42 -49.57	141.25 10.98 -49.56	129.42 11.06 -35.21	130.15 10.55 -39.71	141.23 10.31 -54.57	146.64 12.95 -40.56	165.27 13.64 -29.84	190.01 14.25 -42.57	170.81 13.00 -32.78	163.58 10.51 -43.58	154.40 10.95 -43.86	148.27 10.87 -50.39	146.96 10.26 -53.25	147.94 10.47 -55.67	147.39 9.67 -58.48	154.26 10.43 -52.38	162.33 12.49 -47.49	222.58 15.52 -75.52	204.06 14.33 -64.07	183.47 12.21 -57.11	166.85 11.72 -52.36	165.14 12.19 -62.66	153.35 11.71 -57.39	151.15 11.82 -53.03
TILDEN___115KV_TB1 80814	90.40 0.26 -4.94	85.16 0.16 -4.29	86.86 0.08 -3.62	83.93 0.08 -3.95	80.86 0.08 -4.44	96.87 0.00 -3.73	125.86 0.73 -3.34	138.93 0.80 -4.94	129.19 0.63 -3.53	114.58 0.33 -4.76	104.27 0.20 -4.48	92.22 0.09 -5.14	88.69 -0.17 -5.41	87.17 -0.08 -5.45	85.25 -0.08 -6.09	96.91 0.18 -5.27	107.39 0.31 -4.73	138.33 0.92 -5.87	131.15 0.88 -4.60	119.70 0.57 -4.99	108.55 0.31 -5.46	97.09 0.18 -6.61	90.23 0.00 -5.98	91.35 0.17 -4.88
TRIGEN___CC 323695	143.12 8.35 -49.57	138.34 8.07 -49.56	126.59 8.23 -35.21	127.44 7.83 -39.71	138.48 7.56 -54.57	143.28 9.59 -40.56	163.59 10.96 -30.84	191.91 11.85 -46.86	170.90 11.25 -34.62	164.17 9.31 -45.37	152.61 9.16 -43.86	145.92 8.53 -50.39	144.87 8.18 -53.25	145.65 8.18 -55.67	145.33 7.61 -58.48	152.25 8.41 -52.38	159.94 9.72 -47.86	219.69 12.63 -75.52	201.68 11.94 -64.07	185.06 10.50 -60.43	165.85 9.66 -53.41	161.89 8.94 -62.66	150.24 8.59 -57.39	147.96 8.63 -53.03
TRINITY___115KV___ 4 BK 55933	145.16 3.41 -56.55	133.04 3.23 -49.11	127.87 3.24 -41.47	128.20 3.12 -45.19	130.24 3.05 -50.84	138.96 3.07 -42.75	164.39 4.38 -38.21	194.45 4.66 -56.60	169.97 4.50 -40.44	167.83 3.83 -54.51	154.29 3.39 -51.32	148.76 2.96 -58.80	148.26 2.84 -61.98	147.06 2.78 -62.48	151.71 2.69 -69.77	155.16 3.29 -60.41	160.32 3.79 -54.17	203.78 5.00 -67.24	183.28 4.90 -52.71	175.69 4.45 -57.10	169.13 3.80 -62.55	169.25 3.25 -75.70	155.70 3.03 -68.41	145.72 3.54 -55.89
UNION___PROCESSING_DRP 323587	89.73 -0.85 -5.38	84.41 -0.97 -4.67	86.02 -1.08 -3.95	83.08 -1.12 -4.30	80.27 -0.92 -4.84	96.36 -0.84 -4.07	125.43 0.00 -3.63	137.11 -1.47 -5.38	127.24 -1.63 -3.84	112.70 -1.97 -5.17	102.66 -1.79 -4.87	90.58 -2.00 -5.58	87.07 -2.25 -5.87	85.43 -2.29 -5.92	83.63 -2.22 -6.61	95.63 -1.55 -5.72	105.85 -1.64 -5.13	136.47 -1.45 -6.38	129.41 -1.26 -5.00	117.96 -1.60 -5.42	106.86 -1.85 -5.93	95.15 -2.35 -7.21	88.58 -2.19 -6.51	90.41 -1.21 -5.32
UPPER HUDSON___HYD 24058	150.14 6.65 -58.29	137.46 6.13 -50.62	131.47 5.57 -42.75	131.75 5.27 -46.58	133.49 4.74 -52.40	142.61 5.40 -44.07	171.04 9.86 -39.39	202.19 10.66 -58.34	176.73 10.01 -41.69	174.11 8.43 -56.19	159.56 7.07 -52.90	153.79 6.18 -60.62	153.26 5.93 -63.88	152.01 5.81 -64.40	156.87 5.71 -71.92	160.59 6.86 -62.26	166.46 8.29 -55.81	212.56 11.70 -69.33	191.08 11.06 -54.35	182.93 9.93 -58.86	175.58 8.32 -64.48	175.35 6.95 -78.10	160.82 5.98 -70.58	149.74 5.78 -57.66
UPPER RAQUET___HYD 24056	80.18 -5.03 0.00	75.95 -4.76 0.00	78.25 -4.91 0.00	75.26 -4.64 0.00	71.84 -4.50 0.00	87.08 -6.05 0.00	113.51 -8.29 0.00	124.67 -8.53 0.00	117.03 -8.00 0.00	103.36 -6.13 0.00	93.81 -5.78 0.00	81.95 -5.05 0.00	78.94 -4.51 0.00	77.38 -4.42 0.00	75.04 -4.20 0.00	86.06 -5.40 0.00	96.73 -5.63 0.00	122.99 -8.55 0.00	117.88 -7.79 0.00	107.64 -6.50 0.00	97.13 -5.65 0.00	85.15 -5.14 0.00	79.96 -4.29 0.00	81.55 -4.75 0.00
VALLEY44_115KV_TB2 355964	87.99 -5.37 -8.15	82.70 -5.08 -7.08	83.81 -5.32 -5.98	81.14 -5.27 -6.51	78.71 -4.96 -7.33	93.53 -5.77 -6.16	121.09 -6.21 -5.51	133.23 -8.12 -8.16	122.97 -7.75 -5.69	109.83 -7.34 -7.67	100.14 -6.67 -7.22	89.01 -6.26 -8.28	85.67 -6.51 -8.73	84.30 -6.30 -8.80	82.81 -6.26 -9.83	93.66 -6.31 -8.51	103.03 -6.96 -7.63	131.94 -9.08 -9.48	124.93 -8.17 -7.44	114.43 -7.76 -8.05	103.99 -7.61 -8.82	93.75 -7.49 -10.94	87.07 -7.08 -9.89	88.94 -5.44 -8.08
VALLEY___115KV_TB 1-4 80826	88.02 2.81 0.00	83.29 2.58 0.00	85.81 2.66 0.00	82.38 2.48 0.00	78.71 2.37 0.00	96.21 3.07 0.00	126.18 4.38 0.00	137.99 4.79 0.00	129.41 4.38 0.00	113.22 3.72 0.00	102.97 3.39 0.00	89.87 2.87 0.00	86.12 2.67 0.00	84.34 2.54 0.00	81.70 2.46 0.00	94.57 3.11 0.00	106.14 3.79 0.00	136.40 4.87 0.00	130.07 4.40 0.00	117.79 3.65 0.00	105.96 3.19 0.00	93.01 2.71 0.00	86.44 2.19 0.00	88.63 2.33 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	112.60 7.33 -20.07	104.92 6.78 -17.43	105.02 7.15 -14.72	102.81 6.87 -16.04	100.88 6.49 -18.05	116.79 8.48 -15.18	147.54 12.18 -13.56	166.74 13.45 -20.09	151.64 12.25 -14.36	139.25 10.40 -19.35	127.17 9.36 -18.22	115.79 7.92 -20.88	112.73 7.26 -22.02	111.03 7.03 -22.20	110.69 6.66 -24.79	121.15 8.23 -21.46	130.92 9.31 -19.25	167.69 12.23 -23.93	156.11 11.69 -18.76	144.73 10.27 -20.32	134.28 9.25 -22.25	125.28 8.04 -26.95	115.52 6.91 -24.35	113.27 7.08 -19.89

VISCHER___FERRY HYD 24020	146.90 4.51 -57.19	134.57 4.19 -49.66	129.25 4.16 -41.95	129.67 4.07 -45.70	131.73 3.97 -51.42	141.12 4.75 -43.24	167.13 6.69 -38.65	197.62 7.19 -57.24	172.81 6.87 -40.90	170.64 6.02 -55.13	156.86 5.37 -51.91	151.08 4.61 -59.47	150.55 4.42 -62.68	149.32 4.33 -63.19	154.00 4.20 -70.56	157.58 5.03 -61.09	162.94 5.83 -54.76	207.18 7.63 -68.02	186.15 7.16 -53.32	178.51 6.62 -57.75	171.69 5.65 -63.26	171.72 4.78 -76.64	157.89 4.38 -69.26	147.28 4.40 -56.58
V_A_10_SYNC_DSASP 323832	87.65 -3.58 -6.02	82.47 -3.47 -5.23	83.99 -3.57 -4.41	81.20 -3.51 -4.81	78.40 -3.36 -5.41	93.96 -3.73 -4.55	121.23 -4.63 -4.07	132.02 -7.19 -6.02	122.31 -7.00 -4.28	108.58 -6.68 -5.77	98.94 -6.08 -5.44	87.48 -5.74 -6.23	84.17 -5.84 -6.56	82.69 -5.73 -6.62	81.01 -5.62 -7.39	92.37 -5.49 -6.40	101.65 -6.45 -5.74	131.07 -7.63 -7.16	123.61 -7.67 -5.62	113.14 -7.08 -6.08	102.66 -6.79 -6.66	91.96 -6.41 -8.07	86.07 -5.48 -7.29	88.11 -4.14 -5.96
V_CMM_10_SYNC_DSASP 323787	82.22 -2.98 0.00	77.96 -2.74 0.00	80.24 -2.91 0.00	77.18 -2.72 0.00	73.75 -2.60 0.00	89.87 -3.26 0.00	116.92 -4.88 0.00	128.00 -5.20 0.00	120.15 -4.88 0.00	105.88 -3.61 0.00	96.30 -3.28 0.00	84.21 -2.79 0.00	81.03 -2.42 0.00	79.43 -2.37 0.00	77.02 -2.22 0.00	88.35 -3.11 0.00	99.08 -3.28 0.00	126.40 -5.13 0.00	121.02 -4.65 0.00	110.48 -3.66 0.00	99.59 -3.19 0.00	87.50 -2.80 0.00	81.81 -2.45 0.00	83.53 -2.76 0.00
V_CMP_10_SYNC_DSASP 323788	84.35 -0.85 0.00	80.06 -0.65 0.00	82.40 -0.75 0.00	79.34 -0.56 0.00	75.73 -0.61 0.00	92.58 -0.56 0.00	119.72 -2.07 0.00	131.06 -2.14 0.00	122.78 -2.25 0.00	108.84 -0.65 0.00	98.79 -0.80 0.00	86.30 -0.70 0.00	83.03 -0.42 0.00	81.31 -0.49 0.00	78.93 -0.32 0.00	90.27 -1.19 0.00	101.85 -0.51 0.00	129.17 -2.36 0.00	123.79 -1.88 0.00	113.80 -0.34 0.00	102.57 -0.21 0.00	89.76 -0.54 0.00	83.92 -0.34 0.00	86.82 0.52 0.00
V_D_10_SYNC_DSASP 323841	81.71 -3.50 0.00	77.48 -3.23 0.00	79.74 -3.41 0.00	76.70 -3.20 0.00	73.29 -3.06 0.00	89.23 -3.91 0.00	116.07 -5.72 0.00	127.20 -5.99 0.00	119.41 -5.62 0.00	105.33 -4.16 0.00	95.70 -3.89 0.00	83.69 -3.31 0.00	80.61 -2.84 0.00	78.93 -2.87 0.00	76.55 -2.69 0.00	87.80 -3.66 0.00	98.57 -3.79 0.00	125.49 -6.05 0.00	120.27 -5.40 0.00	109.80 -4.34 0.00	99.08 -3.70 0.00	86.96 -3.34 0.00	81.30 -2.95 0.00	83.02 -3.28 0.00
V_E_10_SYNC_DSASP 323830	108.88 9.29 -14.39	101.85 8.64 -12.50	102.69 8.98 -10.56	100.27 8.87 -11.50	97.99 8.70 -12.94	115.85 11.83 -10.88	149.54 18.02 -9.73	167.98 20.38 -14.40	152.89 17.50 -10.35	137.58 14.13 -13.95	125.17 12.45 -13.14	112.49 10.44 -15.05	108.74 9.43 -15.87	107.44 9.65 -15.99	106.21 9.11 -17.86	118.81 11.88 -15.46	130.37 14.13 -13.88	167.96 19.20 -17.22	157.52 18.35 -13.50	144.16 15.40 -14.62	131.96 13.16 -16.02	120.89 11.19 -19.40	110.97 9.19 -17.53	110.11 9.49 -14.32
V_F_30_NSYNC___DSASP 323816	149.13 5.80 -58.13	136.60 5.41 -50.49	131.03 5.24 -42.64	131.39 5.04 -46.46	133.35 4.74 -52.27	142.68 5.59 -43.95	170.09 9.01 -39.29	201.10 9.72 -58.19	175.73 9.12 -41.58	173.31 7.77 -56.04	159.02 6.67 -52.76	153.28 5.83 -60.46	152.76 5.59 -63.72	151.51 5.48 -64.23	156.36 5.39 -71.73	159.96 6.40 -62.10	165.60 7.57 -55.66	210.95 10.27 -69.14	189.68 9.81 -54.20	181.64 8.79 -58.71	174.59 7.50 -64.31	174.61 6.41 -77.90	160.39 5.73 -70.40	149.41 5.61 -57.51
V_F_30_SYNC_DSASP 323786	145.90 3.75 -56.95	133.63 3.47 -49.46	128.49 3.58 -41.77	128.76 3.36 -45.51	130.83 3.28 -51.20	139.55 3.35 -43.06	165.27 4.99 -38.49	195.52 5.33 -57.00	170.88 5.13 -40.73	168.77 4.38 -54.89	155.15 3.88 -51.68	149.61 3.39 -59.22	149.03 3.17 -62.42	147.91 3.19 -62.92	152.60 3.09 -70.27	155.95 3.66 -60.83	161.21 4.30 -54.56	204.91 5.66 -67.72	184.29 5.53 -53.09	176.55 4.91 -57.50	169.98 4.21 -62.99	170.18 3.61 -76.27	156.46 3.29 -68.92	146.49 3.88 -56.31
V_XM_10_SYNC_DSASP 323789	84.35 -0.85 0.00	80.06 -0.65 0.00	82.40 -0.75 0.00	79.34 -0.56 0.00	75.73 -0.61 0.00	92.58 -0.56 0.00	119.72 -2.07 0.00	131.06 -2.14 0.00	122.78 -2.25 0.00	108.84 -0.65 0.00	98.79 -0.80 0.00	86.30 -0.70 0.00	83.03 -0.42 0.00	81.31 -0.49 0.00	78.93 -0.32 0.00	90.27 -1.19 0.00	101.85 -0.51 0.00	129.17 -2.36 0.00	123.79 -1.88 0.00	113.80 -0.34 0.00	102.57 -0.21 0.00	89.76 -0.54 0.00	83.92 -0.34 0.00	86.82 0.52 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	135.66 6.48 -43.98	125.20 6.30 -38.20	121.81 6.40 -32.26	121.12 6.07 -35.15	121.85 5.96 -39.55	134.03 7.64 -33.26	161.02 9.50 -29.73	188.42 10.52 -44.70	167.73 10.13 -32.57	161.45 8.65 -43.30	148.94 8.07 -41.29	141.17 6.79 -47.39	139.90 6.43 -50.02	138.49 6.22 -50.47	140.74 6.02 -55.48	147.34 6.86 -49.02	154.60 7.78 -44.46	206.00 10.13 -64.34	188.51 9.68 -53.17	175.48 8.79 -52.55	161.09 7.91 -50.40	157.24 7.04 -59.90	145.03 6.57 -54.21	136.48 6.56 -43.63
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	138.34 7.50 -45.64	127.69 7.34 -39.64	124.03 7.40 -33.48	123.41 7.03 -36.48	124.26 6.87 -41.04	136.40 8.75 -34.51	163.61 10.96 -30.85	204.17 12.12 -58.85	191.14 11.63 -54.48	189.04 9.96 -69.58	188.65 9.26 -79.80	188.66 8.09 -93.57	176.69 7.68 -85.57	176.38 7.53 -87.05	176.78 7.13 -90.40	205.43 8.32 -105.65	200.83 9.21 -89.26	257.22 11.97 -113.72	239.88 11.44 -102.77	210.70 10.39 -86.18	193.96 9.25 -81.93	174.28 8.22 -75.77	163.09 7.84 -71.00	139.42 7.85 -45.27
W50THST__13_KV_LOAD 356117	138.77 7.92 -45.64	128.10 7.75 -39.64	124.53 7.90 -33.48	123.89 7.51 -36.48	124.64 7.25 -41.04	136.96 9.31 -34.51	164.34 11.69 -30.85	205.23 13.19 -58.85	192.14 12.63 -54.48	189.92 10.84 -69.58	189.44 10.06 -79.80	189.27 8.70 -93.57	177.28 8.26 -85.57	176.95 8.10 -87.05	177.41 7.77 -90.40	206.07 8.96 -105.65	201.65 10.03 -89.26	258.27 13.02 -113.72	240.63 12.19 -102.77	211.50 11.19 -86.18	194.68 9.97 -81.93	174.73 8.67 -75.77	163.60 8.34 -71.00	139.93 8.37 -45.27
WADING RIVER_IC_1 23522	146.96 12.18 -49.57	141.97 11.70 -49.56	130.16 11.80 -35.21	130.87 11.27 -39.71	141.92 11.00 -54.57	147.57 13.88 -40.56	167.84 16.20 -29.85	193.11 17.31 -42.61	173.71 15.88 -32.80	165.89 12.80 -43.59	155.70 12.25 -43.86	148.97 11.57 -50.40	148.22 11.52 -53.25	148.35 10.88 -55.67	148.66 10.94 -58.48	156.18 12.34 -52.38	163.91 14.02 -47.53	224.81 17.75 -75.52	206.58 16.85 -64.07	185.66 14.38 -57.14	167.99 12.85 -52.36	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03
WADING RIVER_IC_2 23547	146.96 12.18 -49.57	141.97 11.70 -49.56	130.16 11.80 -35.21	130.87 11.27 -39.71	141.92 11.00 -54.57	147.57 13.88 -40.56	167.84 16.20 -29.85	193.11 17.31 -42.61	173.71 15.88 -32.80	165.89 12.80 -43.59	155.70 12.25 -43.86	148.97 11.57 -50.40	148.22 11.52 -53.25	148.35 10.88 -55.67	148.66 10.94 -58.48	156.18 12.34 -52.38	163.91 14.02 -47.53	224.81 17.75 -75.52	206.58 16.85 -64.07	185.66 14.38 -57.14	167.99 12.85 -52.36	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03
WADING RIVER_IC_3 23601	146.96 12.18 -49.57	141.97 11.70 -49.56	130.16 11.80 -35.21	130.87 11.27 -39.71	141.92 11.00 -54.57	147.57 13.88 -40.56	167.84 16.20 -29.85	193.11 17.31 -42.61	173.71 15.88 -32.80	165.89 12.80 -43.59	155.70 12.25 -43.86	148.97 11.57 -50.40	148.22 11.52 -53.25	148.35 10.88 -55.67	148.66 10.94 -58.48	156.18 12.34 -52.38	163.91 14.02 -47.53	224.81 17.75 -75.52	206.58 16.85 -64.07	185.66 14.38 -57.14	167.99 12.85 -52.36	164.06 11.10 -62.66	152.59 10.95 -57.39	150.38 11.05 -53.03



WALDENNY_12_KV_BK2 80841	88.88 -3.58 -7.26	83.54 -3.47 -6.30	84.82 -3.66 -5.32	82.02 -3.68 -5.80	79.51 -3.36 -6.53	94.80 -3.82 -5.49	122.56 -4.14 -4.90	133.40 -7.06 -7.26	123.30 -6.88 -5.15	109.86 -6.57 -6.94	100.24 -5.88 -6.53	88.74 -5.74 -7.49	85.42 -5.92 -7.89	84.03 -5.73 -7.96	82.42 -5.71 -8.89	93.75 -5.40 -7.69	103.42 -5.83 -6.90	133.01 -7.10 -8.58	125.86 -6.53 -6.72	115.03 -6.39 -7.28	104.38 -6.37 -7.98	93.53 -6.50 -9.74	87.24 -5.81 -8.80	89.52 -3.97 -7.19
WALDEN___HYDRO 24148	141.32 8.86 -47.26	130.06 8.31 -41.04	126.63 8.81 -34.66	126.05 8.39 -37.77	127.01 8.17 -42.49	139.48 10.62 -35.73	167.86 14.13 -31.94	195.28 14.78 -47.30	172.58 13.75 -33.80	166.33 11.28 -45.55	153.13 10.66 -42.89	145.02 8.87 -49.14	143.34 8.09 -51.80	141.87 7.85 -52.22	145.40 7.84 -58.31	151.18 9.24 -50.49	156.23 8.60 -45.28	196.84 11.71 -53.60	178.74 11.06 -42.01	169.58 9.93 -45.51	161.57 8.94 -49.85	158.71 8.04 -60.38	146.15 7.33 -54.57	138.21 7.34 -44.58
WARRENSBURG___ 23737	150.14 6.65 -58.29	137.46 6.13 -50.62	131.47 5.57 -42.75	131.75 5.27 -46.58	133.49 4.74 -52.40	142.61 5.40 -44.07	171.04 9.86 -39.39	202.19 10.66 -58.34	176.73 10.01 -41.69	174.11 8.43 -56.19	159.56 7.07 -52.90	153.79 6.18 -60.62	153.26 5.93 -63.88	152.01 5.81 -64.40	156.87 5.71 -71.92	160.59 6.86 -62.26	166.46 8.29 -55.81	212.56 11.70 -69.33	191.08 11.06 -54.35	182.93 9.93 -58.86	175.58 8.32 -64.48	175.35 6.95 -78.10	160.82 5.98 -70.58	149.74 5.78 -57.66
WATERSIDE___6 8 9 23538	138.70 7.84 -45.65	127.95 7.59 -39.65	124.45 7.82 -33.49	123.82 7.43 -36.48	124.57 7.18 -41.05	136.69 9.03 -34.52	163.74 11.08 -30.86	211.93 12.12 -66.62	204.00 11.63 -67.35	204.57 9.96 -85.11	212.02 9.36 -103.08	216.71 8.18 -121.54	197.71 7.76 -106.50	198.03 7.61 -108.62	197.61 7.29 -111.08	240.03 8.41 -140.16	217.88 9.52 -106.01	257.55 12.23 -113.78	240.30 11.81 -102.82	213.32 10.61 -88.56	212.74 9.56 -100.41	174.74 8.67 -75.77	172.49 8.00 -80.23	139.63 8.03 -45.31
WATKINRD_115KV_LN8_ILLION 55919	87.76 2.56 0.00	83.05 2.34 0.00	85.56 2.41 0.00	82.22 2.32 0.00	78.56 2.21 0.00	96.02 2.89 0.00	125.81 4.02 0.00	137.59 4.40 0.00	129.16 4.13 0.00	113.00 3.50 0.00	102.67 3.09 0.00	89.69 2.70 0.00	85.95 2.50 0.00	84.17 2.37 0.00	81.54 2.30 0.00	94.38 2.93 0.00	105.84 3.48 0.00	136.01 4.47 0.00	129.82 4.15 0.00	117.68 3.54 0.00	105.86 3.08 0.00	92.92 2.62 0.00	86.53 2.27 0.00	88.63 2.33 0.00
WATSON___69_KV_BK 1 55734	145.43 10.65 -49.57	140.52 10.25 -49.56	128.83 10.48 -35.21	129.59 9.99 -39.71	140.61 9.70 -54.57	145.89 12.20 -40.56	164.60 13.03 -29.77	189.20 13.72 -42.28	170.32 12.63 -32.66	163.45 10.40 -43.55	154.20 10.76 -43.86	147.83 10.44 -50.39	146.71 10.01 -53.25	147.70 10.23 -55.67	147.15 9.43 -58.48	154.08 10.24 -52.38	161.90 12.08 -47.46	222.71 15.65 -75.52	204.31 14.58 -64.07	183.47 12.44 -56.90	166.78 11.72 -52.29	164.42 11.47 -62.66	152.76 11.12 -57.39	150.55 11.22 -53.03
WDELAWARE___HYD 323627	135.50 8.26 -42.03	125.04 7.83 -36.50	122.22 8.23 -30.83	121.40 7.91 -33.59	121.77 7.63 -37.79	134.98 10.06 -31.78	163.72 13.52 -28.41	189.12 13.85 -42.07	165.85 10.75 -30.07	158.67 8.65 -40.52	145.91 8.17 -38.15	137.32 6.61 -43.72	133.36 3.84 -46.07	131.68 3.43 -46.45	134.76 3.65 -51.87	140.75 4.39 -44.91	146.64 4.61 -39.67	187.52 6.70 -49.28	170.45 6.16 -38.63	161.46 5.48 -41.84	156.42 7.81 -45.84	152.86 7.05 -55.52	140.83 6.40 -50.17	133.58 6.30 -40.99
WEST BABYLON___IC 23714	144.91 10.14 -49.57	140.03 9.77 -49.56	128.34 9.98 -35.21	129.11 9.51 -39.71	140.16 9.24 -54.57	145.33 11.64 -40.56	164.62 12.67 -30.17	190.75 13.59 -43.97	171.04 12.63 -33.38	163.92 10.40 -44.03	153.90 10.46 -43.86	147.48 10.09 -50.39	146.38 9.68 -53.25	147.29 9.82 -55.67	146.83 9.11 -58.48	153.80 9.97 -52.38	161.63 11.67 -47.61	222.32 15.26 -75.52	204.06 14.33 -64.07	184.66 12.33 -58.20	166.99 11.51 -52.70	163.97 11.02 -62.66	152.18 10.53 -57.39	149.94 10.61 -53.03
WEST CANADA___HYD 24049	86.56 1.36 0.00	82.00 1.29 0.00	84.48 1.33 0.00	81.17 1.27 0.00	77.57 1.22 0.00	94.72 1.58 0.00	123.99 2.19 0.00	135.59 2.40 0.00	127.28 2.25 0.00	111.35 1.86 0.00	101.28 1.69 0.00	88.48 1.48 0.00	84.78 1.33 0.00	83.10 1.30 0.00	80.50 1.26 0.00	93.11 1.65 0.00	104.10 1.74 0.00	133.91 2.37 0.00	127.80 2.13 0.00	115.96 1.82 0.00	104.42 1.64 0.00	91.74 1.44 0.00	85.43 1.18 0.00	87.59 1.30 0.00
WESTERN_NY_WIND 24143	90.29 -1.19 -6.28	84.87 -1.29 -5.45	86.34 -1.41 -4.60	83.48 -1.44 -5.02	80.77 -1.22 -5.64	96.86 -1.02 -4.75	126.03 0.00 -4.24	137.08 -2.40 -6.28	127.00 -2.50 -4.47	112.45 -3.07 -6.02	102.47 -2.79 -5.67	90.19 -3.31 -6.49	86.79 -3.50 -6.84	85.18 -3.52 -6.90	83.46 -3.49 -7.70	95.66 -2.47 -6.67	105.78 -2.56 -5.98	136.47 -2.50 -7.43	129.36 -2.14 -5.83	117.82 -2.63 -6.31	106.71 -2.98 -6.91	95.01 -3.70 -8.42	88.57 -3.29 -7.61	90.78 -1.73 -6.21
WESTOVER___LESR 323668	101.08 1.02 -14.85	94.58 0.97 -12.90	95.04 1.00 -10.89	92.65 0.88 -11.87	90.62 0.92 -13.35	105.58 1.21 -11.23	134.26 2.44 -10.04	150.19 2.13 -14.86	137.41 1.75 -10.63	124.91 1.09 -14.32	113.97 0.90 -13.49	103.06 0.61 -15.45	100.09 0.33 -16.31	98.57 0.33 -16.44	97.92 0.32 -18.36	108.18 0.82 -15.90	117.74 1.13 -14.26	151.36 2.10 -17.72	141.70 2.14 -13.89	130.90 1.71 -15.05	120.60 1.34 -16.48	111.15 0.90 -19.95	102.87 0.59 -18.03	102.06 1.04 -14.73
WETHRSFD_WT_PWR 323626	90.74 -2.90 -8.43	85.20 -2.83 -7.32	86.42 -2.91 -6.18	83.68 -2.95 -6.74	81.10 -2.82 -7.58	96.44 -3.07 -6.37	123.95 -3.54 -5.70	135.91 -5.72 -8.44	125.32 -5.75 -6.04	112.06 -5.58 -8.14	102.18 -5.08 -7.67	90.83 -4.96 -8.78	87.53 -5.17 -9.26	86.14 -4.99 -9.33	84.67 -4.99 -10.42	95.82 -4.66 -9.02	105.03 -5.43 -8.10	135.53 -6.05 -10.05	127.39 -6.15 -7.88	116.73 -5.94 -8.53	106.27 -5.85 -9.35	96.02 -5.60 -11.32	89.51 -4.97 -10.23	91.11 -3.54 -8.36
WHAVSTOR_138KV_BK127 55557	135.46 6.22 -44.03	125.00 6.05 -38.24	121.60 6.15 -32.30	120.92 5.83 -35.19	121.59 5.65 -39.59	133.69 7.26 -33.29	160.56 9.01 -29.76	187.95 9.99 -44.76	167.16 9.50 -32.63	161.08 8.21 -43.37	148.51 7.57 -41.36	140.82 6.35 -47.47	139.57 6.01 -50.11	138.25 5.89 -50.56	140.36 5.55 -55.57	146.97 6.40 -49.11	154.07 7.17 -44.54	205.44 9.34 -64.57	187.98 8.92 -53.39	174.96 8.10 -52.72	160.56 7.30 -50.48	156.87 6.59 -59.98	144.69 6.15 -54.28	136.11 6.13 -43.68
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	135.46 6.22 -44.03	125.00 6.05 -38.24	121.60 6.15 -32.30	120.92 5.83 -35.19	121.59 5.65 -39.59	133.69 7.26 -33.29	160.56 9.01 -29.76	187.95 9.99 -44.76	167.16 9.50 -32.63	161.08 8.21 -43.37	148.51 7.57 -41.36	140.82 6.35 -47.47	139.57 6.01 -50.11	138.25 5.89 -50.56	140.36 5.55 -55.57	146.97 6.40 -49.11	154.07 7.17 -44.54	205.44 9.34 -64.57	187.98 8.92 -53.39	174.96 8.10 -52.72	160.56 7.30 -50.48	156.87 6.59 -59.98	144.69 6.15 -54.28	136.11 6.13 -43.68
WHITEHAL_115KV_TB1 80871	152.03 8.61 -58.22	139.26 7.99 -50.56	133.34 7.48 -42.70	133.46 7.03 -46.53	135.18 6.49 -52.35	144.61 7.45 -44.02	175.15 14.01 -39.35	206.52 15.05 -58.27	180.68 14.00 -41.64	177.33 11.72 -56.12	162.29 9.86 -52.84	156.16 8.61 -60.55	155.52 8.26 -63.81	154.31 8.18 -64.33	159.16 8.08 -71.84	163.08 9.42 -62.20	169.81 11.67 -55.78	217.10 16.31 -69.25	195.54 15.58 -54.29	186.86 13.92 -58.80	178.81 11.61 -64.41	178.07 9.75 -78.02	163.10 8.34 -70.51	152.01 8.11 -57.60

WHITEPLN_13_KV_LOAD 356215	138.28 7.58 -45.50	127.57 7.34 -39.51	124.09 7.57 -33.37	123.45 7.19 -36.36	124.20 6.95 -40.91	136.38 8.85 -34.40	163.87 11.33 -30.75	192.32 12.52 -46.61	171.35 12.00 -34.31	164.99 10.18 -45.31	152.62 9.56 -43.48	145.20 8.26 -49.94	144.13 7.93 -52.75	142.81 7.77 -53.24	144.69 7.37 -58.08	151.89 8.60 -51.84	159.36 9.72 -47.28	217.39 12.76 -73.09	199.49 12.19 -61.64	183.74 10.84 -58.76	165.29 9.56 -52.96	161.12 8.49 -62.34	148.62 7.92 -56.45	139.23 7.85 -45.08
WM_FLOYD_69_KV_BK2 356380	145.34 10.57 -49.57	140.44 10.17 -49.56	128.67 10.31 -35.21	129.43 9.83 -39.71	140.54 9.62 -54.57	145.71 12.01 -40.56	163.87 12.30 -29.78	188.30 12.79 -42.32	169.33 11.63 -32.67	162.43 9.42 -43.52	153.41 9.96 -43.86	147.40 10.00 -50.39	146.21 9.51 -53.25	147.20 9.73 -55.67	146.75 9.03 -58.48	153.44 9.60 -52.38	161.29 11.46 -47.47	221.26 14.21 -75.52	202.81 13.07 -64.07	182.25 11.19 -56.92	165.87 10.79 -52.30	164.33 11.38 -62.66	152.68 11.04 -57.39	150.46 11.13 -53.03
WOODARD__115KV_TB2 355635	88.92 -0.43 -4.14	83.82 -0.48 -3.60	85.69 -0.50 -3.04	82.73 -0.48 -3.31	79.62 -0.46 -3.73	95.52 -0.75 -3.13	124.23 -0.37 -2.80	136.94 -0.40 -4.15	127.49 -0.50 -2.97	112.83 -0.66 -4.00	102.75 -0.60 -3.76	90.70 -0.61 -4.31	87.14 -0.83 -4.53	85.63 -0.74 -4.56	83.62 -0.71 -5.10	95.32 -0.55 -4.41	105.70 -0.61 -3.96	136.19 -0.26 -4.92	129.15 -0.38 -3.86	117.74 -0.57 -4.18	106.63 -0.72 -4.57	95.20 -0.63 -5.54	88.50 -0.76 -5.01	89.87 -0.52 -4.09
YORK___WARBASSE 23770	139.12 8.26 -45.65	128.35 7.99 -39.65	124.79 8.15 -33.49	124.14 7.75 -36.48	124.88 7.48 -41.05	136.97 9.31 -34.52	164.23 11.57 -30.86	212.73 12.92 -66.62	204.63 12.25 -67.35	205.22 10.62 -85.11	212.52 9.86 -103.08	217.15 8.61 -121.54	198.13 8.18 -106.50	198.44 8.02 -108.62	197.93 7.61 -111.08	240.58 8.96 -140.16	299.31 10.34 -186.62	455.88 13.15 -311.19	441.52 12.82 -303.04	328.64 11.53 -202.97	213.36 10.18 -100.41	243.21 9.21 -143.70	172.99 8.51 -80.23	139.98 8.37 -45.31