

# Day Ahead Market Generator LBMP

		--- LBMP \$								--- Marginal Cost of Losses								--- Marginal Cost of Congestion									
Generator Data																										01/09/2025	
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00		
59TH STREET_GT_1	24138	145.29	138.33	131.56	126.59	134.72	144.34	162.48	197.84	165.07	158.31	147.66	137.42	134.26	131.92	133.59	144.05	167.37	216.92	180.60	164.30	150.31	148.62	142.08	141.54		
		6.93	6.09	5.26	5.24	5.70	6.51	6.68	7.39	7.81	7.94	8.33	8.31	8.17	8.23	8.15	8.25	8.11	11.03	11.04	8.31	8.17	8.10	7.74	7.52		
		-67.71	-66.06	-69.08	-63.74	-66.43	-67.03	-84.70	-119.43	-86.24	-79.42	-68.09	-58.01	-54.99	-52.74	-54.56	-64.63	-88.10	-109.06	-71.86	-81.77	-68.53	-69.42	-63.32	-63.08		
74TH STREET_GT_1	24260	145.51	138.61	131.69	126.60	134.80	144.50	162.50	197.93	165.09	158.47	147.46	137.15	133.92	131.51	133.32	143.85	130.97	216.85	180.62	164.47	150.47	148.42	142.17	141.56		
		7.14	6.35	5.38	5.24	5.76	6.66	6.68	7.46	7.81	8.09	8.12	8.03	7.82	7.80	7.87	8.04	8.04	10.94	11.04	8.46	8.32	7.89	7.81	7.52		
		-67.73	-66.07	-69.10	-63.75	-66.44	-67.04	-84.72	-119.45	-86.26	-79.43	-68.10	-58.02	-55.00	-52.75	-54.57	-64.64	-51.76	-109.09	-71.87	-81.78	-68.54	-69.43	-63.33	-63.09		
74TH STREET_GT_2	24261	145.51	138.61	131.69	126.60	134.80	144.50	162.50	197.93	165.09	158.47	147.46	137.15	133.92	131.51	133.32	143.85	130.97	216.85	180.62	164.47	150.47	148.42	142.17	141.56		
		7.14	6.35	5.38	5.24	5.76	6.66	6.68	7.46	7.81	8.09	8.12	8.03	7.82	7.80	7.87	8.04	8.04	10.94	11.04	8.46	8.32	7.89	7.81	7.52		
		-67.73	-66.07	-69.10	-63.75	-66.44	-67.04	-84.72	-119.45	-86.26	-79.43	-68.10	-58.02	-55.00	-52.75	-54.57	-64.64	-51.76	-109.09	-71.87	-81.78	-68.54	-69.43	-63.33	-63.09		
ADK HUDSON___FALLS	24011	166.68	159.76	154.15	147.42	156.43	166.28	190.86	237.71	237.22	180.47	167.85	154.82	151.41	148.08	147.46	159.26	148.11	226.42	241.30	217.61	221.69	171.60	162.93	162.24		
		4.66	4.43	3.72	3.80	4.19	5.03	5.47	5.54	5.39	6.70	6.47	6.11	5.96	6.24	6.69	7.12	9.88	9.77	7.42	7.43	6.83	6.46	6.17			
		-91.37	-89.13	-93.22	-86.00	-89.64	-90.45	-114.29	-161.15	-160.66	-104.12	-89.91	-77.26	-74.20	-71.17	-70.34	-81.41	-69.83	-119.72	-133.83	-135.97	-140.65	-93.67	-85.44	-85.11		
ADK RESOURCE___RCVRY	23798	168.66	161.61	155.76	149.04	158.18	166.69	191.37	238.25	238.00	180.75	166.91	153.81	150.40	147.06	146.44	158.32	215.18	225.16	240.38	216.99	221.17	172.16	163.49	162.79		
		6.57	6.22	5.26	5.36	5.88	5.38	5.90	5.97	5.97	5.60	5.70	5.40	5.05	4.89	5.17	5.70	6.12	8.33	8.50	6.45	6.55	7.32	6.96	6.67		
		-91.44	-89.20	-93.28	-86.06	-89.70	-90.51	-114.37	-161.26	-161.01	-104.19	-89.97	-77.31	-74.25	-71.22	-70.38	-81.46	-137.89	-120.01	-134.18	-136.31	-141.01	-93.74	-85.50	-85.17		
ADK S GLENS___FALLS	24028	166.68	159.76	154.15	147.42	156.43	166.28	190.86	237.71	237.22	180.47	167.85	154.82	151.41	148.08	147.46	159.26	148.11	226.42	241.30	217.61	221.69	171.60	162.93	162.24		
		4.66	4.43	3.72	3.80	4.19	5.03	5.47	5.54	5.39	6.70	6.47	6.11	5.96	6.24	6.69	7.12	9.88	9.77	7.42	7.43	6.83	6.46	6.17			
		-91.37	-89.13	-93.22	-86.00	-89.64	-90.45	-114.29	-161.15	-160.66	-104.12	-89.91	-77.26	-74.20	-71.17	-70.34	-81.41	-69.83	-119.72	-133.83	-135.97	-140.65	-93.67	-85.44	-85.11		
ADK_NYS___DAM	23527	163.10	156.33	150.83	144.36	153.43	163.15	186.57	231.34	218.10	176.56	163.17	150.69	147.53	144.38	144.17	155.24	197.30	211.03	221.33	198.73	200.69	166.50	158.43	157.81		
		4.45	4.30	3.83	3.92	4.51	5.24	5.40	5.12	5.18	5.11	5.20	5.12	4.98	4.89	5.32	5.27	5.55	7.56	7.91	5.94	5.59	5.19	5.12	4.89		
		-88.00	-85.84	-89.78	-82.83	-86.33	-87.11	-110.07	-155.20	-141.90	-100.49	-86.73	-74.48	-71.46	-68.54	-67.97	-78.81	-120.58	-106.65	-115.72	-118.57	-121.49	-90.21	-82.29	-81.97		
AIR_PRODUCTS___DRP	24190	161.89	155.09	149.72	143.26	151.47	160.73	184.06	229.29	203.61	174.12	160.61	148.38	145.94	142.78	140.97	151.70	140.43	185.55	201.67	179.49	183.93	163.59	156.11	155.65		
		2.76	2.58	2.23	2.36	2.07	2.34	2.28	2.20	2.34	2.41	2.35	2.49	2.99	2.91	2.06	1.85	1.64	2.42	2.25	1.78	1.69	1.78	2.34	2.27		
		-88.49	-86.32	-90.28	-83.29	-86.81	-87.59	-110.68	-156.07	-130.24	-100.76	-87.02	-74.79	-71.86	-68.92	-68.03	-78.68	-67.62	-86.31	-101.71	-103.48	-108.63	-90.72	-82.75	-82.43		
AKWESSNE_115KV_BK	355683	69.24	65.06	56.24	56.52	61.47	69.25	69.25	69.17	69.17	68.75	69.03	69.04	69.18	69.18	69.18	69.03	68.96	71.07	71.15	71.40	71.18	69.11	69.17	69.39		
		-1.41	-1.13	-0.97	-1.09	-1.13	-1.56	-1.85	-1.85	-1.85	-2.20	-2.21	-2.06	-1.92	-1.77	-1.70	-2.13	-2.21	-3.58	-3.62	-2.82	-2.43	-1.99	-1.85	-1.56		
		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	22.16	22.94	0.00	0.00	0.00	0.00	0.00		
ALBANY_1_SOLAR	323833	160.69	153.95	148.33	141.97	150.40	159.83	182.71	226.79	195.89	172.60	159.44	147.23	144.47	141.38	140.26	151.27	171.50	182.24	195.60	173.20	176.89	162.84	155.25	154.73		
		3.53	3.37	2.86	2.94	2.94	3.40	3.41	3.20	3.27	3.05	3.06	2.99	3.12	3.05	2.76	2.99	3.06	4.65	4.29	3.26	3.32	3.06	3.34	3.20		
		-86.51	-84.39	-88.25	-81.42	-84.87	-85.63	-108.21	-152.57	-121.60	-98.60	-85.14	-73.15	-70.25	-67.38	-66.62	-77.12	-97.27	-80.77	-93.60	-95.72	-99.96	-88.69	-80.89	-80.58		
ALBANY_2_SOLAR	323834	160.70	153.90	148.34	141.98	150.41	159.84	182.73	226.81	195.90	172.55	159.45	147.24	144.48	141.39	140.27	151.28	171.49	182.20	195.50	173.19	176.81	162.85	155.19	154.74		
		3.53	3.31	2.86	2.94	2.94	3.40	3.41	3.20	3.27	2.98	3.06	2.99	3.12	3.05	2.76	2.99	3.06	4.65	4.20	3.26	3.24	3.06	3.27	3.20		
		-86.52	-84.40	-88.26	-81.43	-84.88	-85.64	-108.22	-152.59	-121.61	-98.62	-85.15	-73.16	-70.26	-67.39	-66.63	-77.13	-97.26	-80.74	-93.59	-95.71	-99.96	-88.70	-80.90	-80.59		
ALBANY___1	23571	161.89	155.09	149.72	143.26	151.47	160.73	184.06	229.29	203.61	174.12	160.61	148.38	145.94	142.78	140.97	151.70	140.43	185.55	201.67	179.49	183.93	163.59	156.11	155.65		
		2.76	2.58	2.23	2.36	2.07	2.34	2.28	2.20	2.34	2.41	2.35	2.49	2.99	2.91	2.06	1.85	1.64	2.42	2.25	1.78	1.69	1.78	2.34	2.27		
		-88.49	-86.32	-90.28	-83.29	-86.81	-87.59	-110.68	-156.07	-130.24	-100.76	-87.02	-74.79	-71.86	-68.92	-68.03	-78.68	-67.62	-86.31	-101.71	-103.48	-108.63	-90.72	-82.75	-82.43		



ALBANY___2 23572	161.89 2.76 -88.49	155.09 2.58 -86.32	149.72 2.23 -90.28	143.26 2.36 -83.29	151.47 2.07 -86.81	160.73 2.34 -87.59	184.06 2.28 -110.68	229.29 2.20 -156.07	203.61 2.34 -130.24	174.12 2.41 -100.76	160.61 2.35 -87.02	148.38 2.49 -74.79	145.94 2.99 -71.86	142.78 2.91 -68.92	140.97 2.06 -68.03	151.70 1.85 -78.68	140.43 1.64 -67.62	185.55 2.42 -86.31	201.67 2.25 -101.71	179.49 1.78 -103.48	183.93 1.69 -108.63	163.59 1.78 -90.72	156.11 2.34 -82.75	155.65 2.27 -82.43
ALBANY___3 23573	161.89 2.76 -88.49	155.09 2.58 -86.32	149.72 2.23 -90.28	143.26 2.36 -83.29	151.47 2.07 -86.81	160.73 2.34 -87.59	184.06 2.28 -110.68	229.29 2.20 -156.07	203.61 2.34 -130.24	174.12 2.41 -100.76	160.61 2.35 -87.02	148.38 2.49 -74.79	145.94 2.99 -71.86	142.78 2.91 -68.92	140.97 2.06 -68.03	151.70 1.85 -78.68	140.43 1.64 -67.62	185.55 2.42 -86.31	201.67 2.25 -101.71	179.49 1.78 -103.48	183.93 1.69 -108.63	163.59 1.78 -90.72	156.11 2.34 -82.75	155.65 2.27 -82.43
ALBANY___4 23574	161.89 2.76 -88.49	155.09 2.58 -86.32	149.72 2.23 -90.28	143.26 2.36 -83.29	151.47 2.07 -86.81	160.73 2.34 -87.59	184.06 2.28 -110.68	229.29 2.20 -156.07	203.61 2.34 -130.24	174.12 2.41 -100.76	160.61 2.35 -87.02	148.38 2.49 -74.79	145.94 2.99 -71.86	142.78 2.91 -68.92	140.97 2.06 -68.03	151.70 1.85 -78.68	140.43 1.64 -67.62	185.55 2.42 -86.31	201.67 2.25 -101.71	179.49 1.78 -103.48	183.93 1.69 -108.63	163.59 1.78 -90.72	156.11 2.34 -82.75	155.65 2.27 -82.43
ALBANY___LFGE 323615	163.34 3.32 -89.37	156.48 3.11 -87.18	151.08 2.69 -91.18	144.56 2.82 -84.12	152.90 2.63 -87.68	162.24 2.97 -88.46	185.87 2.99 -111.79	231.56 2.91 -157.62	214.06 3.12 -139.91	175.87 3.12 -101.80	162.43 3.28 -87.91	149.99 3.34 -75.55	147.30 3.62 -72.58	144.11 3.55 -69.61	142.54 2.91 -68.75	153.62 2.92 -79.54	189.23 2.70 -115.36	198.04 3.97 -97.25	213.31 3.62 -111.98	190.96 2.82 -113.91	195.15 2.73 -118.82	165.28 2.56 -91.62	157.58 2.98 -83.57	156.96 2.76 -83.25
ALCOA_PA_115KV_PL-6C 55860	69.24 -1.41 0.00	65.00 -1.19 0.00	56.24 -0.97 0.00	56.52 -1.09 0.00	61.47 -1.13 0.00	69.25 -1.56 0.00	69.25 -1.85 0.00	69.25 -1.78 0.00	69.25 -1.78 0.00	68.75 -2.20 0.00	69.03 -2.21 0.00	69.04 -2.06 0.00	69.18 -1.92 0.00	69.18 -1.77 0.00	69.18 -1.70 0.00	69.03 -2.13 0.00	68.96 -2.21 0.00	71.11 -4.26 21.45	71.21 -4.30 22.20	70.96 -3.27 0.00	71.10 -2.50 0.00	69.11 -1.99 0.00	69.17 -1.85 0.00	69.39 -1.56 0.00
ALCOA_RYNLDS___DRP 24188	69.24 -1.41 0.00	65.00 -1.19 0.00	56.24 -0.97 0.00	56.52 -1.09 0.00	61.47 -1.13 0.00	69.25 -1.56 0.00	69.25 -1.85 0.00	69.25 -1.78 0.00	69.25 -1.78 0.00	68.75 -2.20 0.00	69.03 -2.21 0.00	69.04 -2.06 0.00	69.18 -1.92 0.00	69.18 -1.77 0.00	69.18 -1.70 0.00	69.03 -2.13 0.00	68.96 -2.21 0.00	71.11 -4.26 21.45	71.21 -4.30 22.20	70.96 -3.27 0.00	71.10 -2.50 0.00	69.11 -1.99 0.00	69.17 -1.85 0.00	69.39 -1.56 0.00
ALCOA___DSASP 323711	69.24 -1.41 0.00	65.06 -1.13 0.00	56.24 -0.97 0.00	56.52 -1.10 0.00	61.47 -1.12 0.00	69.25 -1.56 0.00	69.25 -1.85 0.00	69.32 -1.71 0.00	69.25 -1.77 0.00	69.25 -1.70 0.00	69.03 -2.21 0.00	69.03 -2.06 0.00	69.18 -1.92 0.00	69.18 -1.77 0.00	69.18 -1.70 0.00	69.10 -2.07 0.00	69.03 -2.13 0.00	71.11 -4.26 21.45	71.21 -4.30 22.20	71.33 -2.90 0.00	71.18 -2.43 0.00	69.18 -1.92 0.00	69.17 -1.85 0.00	69.32 -1.63 0.00
ALLEGHENY___COGEN 23514	82.86 -0.49 -12.70	77.98 -0.60 -12.39	69.66 -0.52 -12.95	69.22 -0.34 -11.95	74.68 -0.37 -12.46	83.23 -0.14 -12.57	88.33 1.35 -15.88	90.29 -3.12 -22.40	83.27 -3.91 -16.16	80.99 -4.54 -14.59	79.68 -4.13 -12.57	76.97 -4.90 -10.78	76.36 -5.05 -10.31	75.38 -5.46 -9.89	75.39 -5.39 -9.90	78.43 -4.27 -11.53	81.22 -3.63 -13.68	106.20 -3.58 -12.96	106.37 -3.81 -12.47	84.82 -2.60 -13.20	87.70 1.11 -12.99	84.33 0.21 -13.02	82.82 -0.07 -11.87	82.92 0.14 -11.83
ALTAMONT_115KV_TB 2 55880	161.85 2.83 -88.37	154.98 2.58 -86.21	149.61 2.23 -90.16	143.10 2.30 -83.18	151.67 2.38 -86.70	161.04 2.76 -87.48	184.48 2.84 -110.54	229.65 2.77 -155.86	199.03 2.84 -125.17	174.42 2.91 -100.55	160.95 2.85 -86.86	148.61 2.84 -74.67	145.78 2.91 -71.77	142.69 2.91 -68.83	141.51 2.76 -67.87	152.39 2.78 -78.45	141.48 2.78 -67.53	179.95 3.97 -79.16	197.60 3.91 -95.99	174.69 2.97 -97.50	179.70 2.94 -103.15	164.47 2.77 -90.60	156.50 2.84 -82.64	156.04 2.77 -82.32
ALTONA_WT_PWR 323606	68.17 -2.47 0.00	64.07 -2.12 0.00	55.38 -1.83 0.00	55.65 -1.96 0.00	60.53 -2.06 0.00	68.33 -2.48 0.00	67.90 -3.20 0.00	67.97 -3.05 0.00	67.90 -3.12 0.00	67.83 -3.12 0.00	67.61 -3.63 0.00	67.61 -3.48 0.00	67.69 -3.41 0.00	67.69 -3.26 0.00	67.69 -3.19 0.00	67.54 -3.63 0.00	67.46 -3.70 0.00	69.13 -5.42 22.27	69.18 -5.47 23.05	70.14 -4.08 0.00	69.78 -3.83 0.00	67.83 -3.27 0.00	67.90 -3.12 0.00	68.54 -2.41 0.00
AMERICAN_REF_FUEL 24010	74.01 -7.91 -11.27	69.91 -7.28 -11.00	62.54 -6.18 -11.50	62.35 -5.88 -10.61	66.96 -6.70 -11.06	74.53 -7.43 -11.16	78.37 -6.83 -14.10	82.38 -8.52 -19.88	75.79 -9.16 -13.93	74.39 -9.51 -12.95	73.85 -8.55 -11.16	71.63 -9.03 -9.57	71.08 -9.17 -9.16	70.30 -9.44 -8.78	70.17 -9.50 -8.79	72.79 -8.61 -10.24	74.81 -8.47 -12.11	98.21 -10.07 -11.46	98.19 -10.55 -11.04	77.82 -8.09 -11.68	76.65 -8.46 -11.50	73.77 -8.89 -11.56	73.11 -8.45 -10.54	74.00 -7.45 -10.50
ARKWRIGHT___SUMMIT_WT_PWR 323751	77.84 -5.37 -12.56	73.35 -5.10 -12.25	65.68 -4.35 -12.81	65.35 -4.09 -11.82	70.15 -4.76 -12.32	78.14 -5.10 -12.43	82.61 -4.19 -15.71	87.70 -5.47 -22.15	80.69 -5.97 -15.63	78.99 -6.39 -14.43	78.26 -5.42 -12.43	75.93 -5.83 -10.66	75.32 -5.97 -10.20	74.42 -6.31 -9.78	74.36 -6.31 -9.79	77.24 -5.34 -11.41	79.64 -5.05 -13.53	104.31 -5.32 -12.82	104.27 -5.76 -12.33	82.82 -4.45 -13.05	81.52 -4.93 -12.84	78.43 -5.55 -12.88	77.44 -5.33 -11.74	78.46 -4.19 -11.70
ARTHUR KILL_GT_1 23520	373.19 7.00 -295.54	275.50 6.42 -202.89	132.13 5.67 -69.24	127.02 5.65 -63.76	135.25 6.07 -66.59	250.68 7.23 -172.65	377.14 7.26 -298.79	379.92 7.67 -301.23	356.12 7.67 -277.43	460.18 7.60 -381.64	167.92 7.77 -88.91	164.19 7.75 -85.34	161.94 7.61 -83.23	161.94 7.60 -83.39	161.94 7.59 -83.47	161.94 7.76 -83.01	168.93 7.83 -89.94	193.86 10.84 -86.20	192.28 11.04 -83.54	179.98 8.38 -97.37	170.04 8.32 -88.12	184.19 7.82 -105.28	323.73 7.60 -245.11	206.99 7.38 -128.66
ARTHUR_KILL_2 23512	372.91 6.72 -295.54	275.30 6.22 -202.89	131.95 5.49 -69.24	126.85 5.48 -63.76	135.07 5.88 -66.59	250.46 7.01 -172.65	376.92 7.04 -298.79	379.70 7.46 -301.23	355.90 7.46 -277.43	459.97 7.38 -381.64	167.70 7.55 -88.91	163.90 7.46 -85.34	161.72 7.39 -83.23	161.72 7.38 -83.39	161.72 7.37 -83.47	161.72 7.54 -83.01	168.72 7.62 -89.94	193.48 10.46 -86.20	191.90 10.65 -83.54	179.69 8.09 -97.37	169.75 8.02 -88.12	183.98 7.61 -105.28	323.52 7.39 -245.11	206.71 7.09 -128.66
ARTHUR_KILL_3 23513	372.61 6.43 -295.53	274.69 5.62 -202.88	131.19 4.75 -69.23	125.85 4.50 -63.74	134.18 5.01 -66.58	249.17 5.73 -172.64	375.62 5.76 -298.77	378.76 6.53 -301.21	355.40 6.96 -277.41	459.74 7.16 -381.62	167.33 7.19 -88.89	163.60 7.18 -85.33	161.42 7.11 -83.22	161.42 7.09 -83.38	161.36 7.02 -83.45	161.35 7.18 -83.00	168.06 6.98 -89.92	192.68 9.68 -86.18	191.00 9.77 -83.52	179.00 7.42 -97.35	169.00 7.29 -88.10	183.40 7.04 -105.26	323.15 7.03 -245.10	206.41 6.81 -128.65



ARTHUR_KILL_COGEN 323718	373.19 7.00 -295.54	275.50 6.42 -202.89	132.13 5.67 -69.24	127.02 5.65 -63.76	135.25 6.07 -66.59	250.68 7.23 -172.65	377.14 7.26 -298.79	379.92 7.67 -301.23	356.12 7.67 -277.43	460.18 7.60 -381.64	167.92 7.77 -88.91	164.19 7.75 -85.34	161.94 7.61 -83.23	161.94 7.60 -83.39	161.94 7.59 -83.47	161.94 7.76 -83.01	168.93 7.83 -89.94	193.86 10.84 -86.20	192.28 11.04 -83.54	179.98 8.38 -97.37	170.04 8.32 -88.12	184.19 7.82 -105.28	323.73 7.60 -245.11	206.99 7.38 -128.66
ASHOKAN____ 23654	155.26 6.00 -78.60	147.90 5.03 -76.68	141.70 4.29 -80.19	135.86 4.26 -73.99	144.34 4.63 -77.11	154.63 6.02 -77.81	176.03 6.61 -98.32	216.54 6.89 -138.63	186.51 7.10 -108.38	167.70 6.39 -90.36	155.08 5.99 -77.85	143.37 5.55 -66.72	140.62 5.69 -63.83	137.56 5.39 -61.22	137.20 4.96 -61.35	148.25 5.55 -71.52	171.62 6.98 -93.48	200.19 13.37 -90.01	193.16 9.86 -85.59	172.12 7.57 -90.32	169.67 7.51 -88.55	158.01 6.33 -80.58	150.63 6.11 -73.50	150.13 5.96 -73.22
ASTORIA_EAST_ENERGY_CC1 323581	144.96 6.57 -67.74	138.09 5.83 -66.08	131.30 4.98 -69.10	126.26 4.89 -63.76	134.36 5.32 -66.45	144.00 6.16 -67.03	161.84 6.04 -84.71	197.28 6.82 -119.44	164.44 7.17 -86.25	157.75 7.38 -79.42	146.89 7.55 -68.10	136.52 7.39 -58.03	133.43 7.32 -55.01	131.02 7.31 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	166.32 7.05 -88.11	215.78 9.88 -109.08	179.54 9.97 -71.87	163.57 7.57 -81.78	149.74 7.58 -68.55	147.86 7.32 -69.44	141.68 7.32 -63.34	141.07 7.03 -63.10
ASTORIA_EAST_ENERGY_CC2 323582	144.96 6.57 -67.74	138.09 5.83 -66.08	131.30 4.98 -69.10	126.26 4.89 -63.76	134.36 5.32 -66.45	144.00 6.16 -67.03	161.84 6.04 -84.71	197.28 6.82 -119.44	164.44 7.17 -86.25	157.75 7.38 -79.42	146.89 7.55 -68.10	136.52 7.39 -58.03	133.43 7.32 -55.01	131.02 7.31 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	166.32 7.05 -88.11	215.78 9.88 -109.08	179.54 9.97 -71.87	163.57 7.57 -81.78	149.74 7.58 -68.55	147.86 7.32 -69.44	141.68 7.32 -63.34	141.07 7.03 -63.10
ASTORIA_GT2_1 24094	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT2_2 24095	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT2_3 24096	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT2_4 24097	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT3_1 24098	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT3_2 24099	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT3_3 24100	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT3_4 24101	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT4_1 24102	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT4_2 24103	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT4_3 24104	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10



ASTORIA_GT4_4 24105	145.10 6.71 -67.74	138.22 5.96 -66.08	131.36 5.04 -69.11	126.32 4.95 -63.76	134.43 5.38 -66.46	144.01 6.16 -67.04	161.92 6.11 -84.71	197.35 6.89 -119.44	164.51 7.24 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.59 7.47 -58.03	133.36 7.25 -55.01	130.95 7.24 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	130.18 7.26 -51.75	215.88 9.97 -109.09	179.64 10.06 -71.87	163.64 7.65 -81.78	150.11 7.95 -68.55	147.86 7.32 -69.44	141.75 7.39 -63.34	141.07 7.02 -63.10
ASTORIA_GT_1 23523	145.17 6.78 -67.74	138.23 5.96 -66.08	131.41 5.09 -69.10	126.38 5.01 -63.76	134.49 5.44 -66.45	144.14 6.30 -67.03	162.06 6.26 -84.71	197.50 7.03 -119.44	164.66 7.39 -86.25	157.97 7.60 -79.42	147.11 7.77 -68.10	136.74 7.61 -58.03	133.64 7.53 -55.01	131.23 7.52 -52.76	132.90 7.44 -54.58	143.36 7.54 -64.65	166.54 7.26 -88.11	216.07 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.96 7.80 -68.55	148.07 7.53 -69.44	141.82 7.46 -63.34	141.21 7.16 -63.10
ASTORIA_GT_10 24110	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.80 7.60 -93.18	169.19 7.88 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.56 7.83 -67.56	131.03 7.83 -52.04	216.56 10.65 -109.09	183.22 10.85 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.87 7.45 -65.47
ASTORIA_GT_11 24225	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.80 7.60 -93.18	169.19 7.88 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.56 7.83 -67.56	131.03 7.83 -52.04	216.56 10.65 -109.09	183.22 10.85 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.87 7.45 -65.47
ASTORIA_GT_12 24226	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.80 7.60 -93.18	169.19 7.88 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.56 7.83 -67.56	131.03 7.83 -52.04	216.56 10.65 -109.09	183.22 10.85 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.87 7.45 -65.47
ASTORIA_GT_13 24227	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.80 7.60 -93.18	169.19 7.88 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.56 7.83 -67.56	131.03 7.83 -52.04	216.56 10.65 -109.09	183.22 10.85 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.87 7.45 -65.47
ASTORIA_GT_5 24106	145.24 6.85 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.44 5.07 -63.76	134.56 5.51 -66.46	144.15 6.30 -67.04	162.06 6.26 -84.71	197.57 7.10 -119.44	164.66 7.39 -86.25	158.11 7.73 -79.42	147.04 7.69 -68.10	136.73 7.61 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.90 7.44 -54.58	143.36 7.54 -64.65	130.32 7.40 -51.75	216.08 10.17 -109.09	179.83 10.26 -71.87	163.79 7.79 -81.78	150.25 8.10 -68.55	148.00 7.47 -69.44	141.89 7.53 -63.34	141.21 7.17 -63.10
ASTORIA_GT_7 24107	145.24 6.85 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.44 5.07 -63.76	134.56 5.51 -66.46	144.15 6.30 -67.04	162.06 6.26 -84.71	197.57 7.10 -119.44	164.66 7.39 -86.25	158.11 7.73 -79.42	147.04 7.69 -68.10	136.73 7.61 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.90 7.44 -54.58	143.36 7.54 -64.65	130.32 7.40 -51.75	216.08 10.17 -109.09	179.83 10.26 -71.87	163.79 7.79 -81.78	150.25 8.10 -68.55	148.00 7.47 -69.44	141.89 7.53 -63.34	141.21 7.17 -63.10
ASTORIA_GT_8 24108	145.24 6.85 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.44 5.07 -63.76	134.56 5.51 -66.46	144.15 6.30 -67.04	162.06 6.26 -84.71	197.57 7.10 -119.44	164.66 7.39 -86.25	158.11 7.73 -79.42	147.04 7.69 -68.10	136.73 7.61 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.90 7.44 -54.58	143.36 7.54 -64.65	130.32 7.40 -51.75	216.08 10.17 -109.09	179.83 10.26 -71.87	163.79 7.79 -81.78	150.25 8.10 -68.55	148.00 7.47 -69.44	141.89 7.53 -63.34	141.21 7.17 -63.10
ASTORIA___2 24149	145.02 6.64 -67.74	138.09 5.83 -66.08	131.36 5.04 -69.10	126.26 4.89 -63.76	134.36 5.32 -66.45	144.00 6.16 -67.03	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.82 7.45 -79.42	146.89 7.55 -68.10	136.59 7.46 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.76 7.30 -54.58	143.22 7.40 -64.65	166.39 7.12 -88.11	215.88 9.97 -109.08	179.54 9.97 -71.87	163.57 7.57 -81.78	149.74 7.58 -68.55	147.93 7.39 -69.44	141.68 7.32 -63.34	141.07 7.03 -63.10
ASTORIA___3 23516	153.62 7.00 -75.97	143.43 6.22 -71.02	131.65 5.32 -69.11	126.50 5.13 -63.76	134.75 5.70 -66.46	144.43 6.59 -67.04	165.00 6.61 -87.29	204.30 7.25 -126.03	171.80 7.60 -93.18	169.05 7.73 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.36 7.75 -64.51	143.36 7.80 -64.60	143.36 7.73 -64.75	146.63 7.90 -67.56	167.25 7.69 -88.39	216.56 10.65 -109.09	183.22 10.84 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.93 7.52 -65.47
ASTORIA___4 23517	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.80 7.60 -93.18	169.19 7.88 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.56 7.83 -67.56	131.03 7.83 -52.04	216.56 10.65 -109.09	183.22 10.85 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.87 7.45 -65.47
ASTORIA___5 23518	153.62 7.00 -75.97	143.43 6.22 -71.02	131.65 5.32 -69.11	126.50 5.13 -63.76	134.75 5.70 -66.46	144.43 6.59 -67.04	165.00 6.61 -87.29	204.30 7.25 -126.03	171.80 7.60 -93.18	169.05 7.73 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.36 7.75 -64.51	143.36 7.80 -64.60	143.36 7.73 -64.75	146.63 7.90 -67.56	167.25 7.69 -88.39	216.56 10.65 -109.09	183.22 10.84 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.93 7.52 -65.47
AST_ENERGY_2_CC3 323677	145.01 6.64 -67.72	138.14 5.89 -66.06	131.34 5.04 -69.09	126.20 4.84 -63.74	134.35 5.32 -66.44	144.00 6.16 -67.04	161.76 5.97 -84.69	197.21 6.75 -119.44	164.44 7.17 -86.25	157.69 7.31 -79.43	146.82 7.48 -68.09	136.58 7.46 -58.02	133.49 7.39 -55.00	131.08 7.38 -52.75	132.75 7.30 -54.56	143.27 7.47 -64.64	166.44 7.18 -88.09	215.86 9.97 -109.06	179.62 10.07 -71.85	163.63 7.65 -81.76	149.66 7.51 -68.54	147.99 7.46 -69.43	141.87 7.52 -63.33	141.34 7.31 -63.08
AST_ENERGY_2_CC4 323678	145.01 6.64 -67.72	138.14 5.89 -66.06	131.34 5.04 -69.09	126.20 4.84 -63.74	134.35 5.32 -66.44	144.00 6.16 -67.04	161.76 5.97 -84.69	197.21 6.75 -119.44	164.44 7.17 -86.25	157.69 7.31 -79.43	146.82 7.48 -68.09	136.58 7.46 -58.02	133.49 7.39 -55.00	131.08 7.38 -52.75	132.75 7.30 -54.56	143.27 7.47 -64.64	166.44 7.18 -88.09	215.86 9.97 -109.06	179.62 10.07 -71.85	163.63 7.65 -81.76	149.66 7.51 -68.54	147.99 7.46 -69.43	141.87 7.52 -63.33	141.34 7.31 -63.08



ATHENS_STG_1 23668	152.82 3.46 -78.71	146.15 3.18 -76.79	140.27 2.75 -80.30	134.47 2.77 -74.09	142.82 3.00 -77.22	152.26 3.54 -77.92	173.18 3.62 -98.46	213.47 3.62 -138.83	172.97 3.76 -98.19	167.85 3.83 -93.07	154.86 3.99 -79.63	142.69 3.91 -67.69	138.93 3.91 -63.92	136.09 3.83 -61.31	138.94 3.82 -64.23	151.64 3.91 -76.57	182.55 3.91 -107.47	245.51 5.42 -143.28	187.26 5.47 -84.09	176.77 4.15 -98.39	155.07 4.05 -77.42	155.63 3.84 -80.70	148.46 3.83 -73.61	147.96 3.69 -73.32
ATHENS_STG_2 23670	152.82 3.46 -78.71	146.15 3.18 -76.79	140.27 2.75 -80.30	134.47 2.77 -74.09	142.82 3.00 -77.22	152.26 3.54 -77.92	173.18 3.62 -98.46	213.47 3.62 -138.83	172.97 3.76 -98.19	167.85 3.83 -93.07	154.86 3.99 -79.63	142.69 3.91 -67.69	138.93 3.91 -63.92	136.09 3.83 -61.31	138.94 3.82 -64.23	151.64 3.91 -76.57	182.55 3.91 -107.47	245.51 5.42 -143.28	187.26 5.47 -84.09	176.77 4.15 -98.39	155.07 4.05 -77.42	155.63 3.84 -80.70	148.46 3.83 -73.61	147.96 3.69 -73.32
ATHENS_STG_3 23677	152.82 3.46 -78.71	146.15 3.18 -76.79	140.27 2.75 -80.30	134.47 2.77 -74.09	142.82 3.00 -77.22	152.26 3.54 -77.92	173.18 3.62 -98.46	213.47 3.62 -138.83	172.97 3.76 -98.19	167.85 3.83 -93.07	154.86 3.99 -79.63	142.69 3.91 -67.69	138.93 3.91 -63.92	136.09 3.83 -61.31	138.94 3.82 -64.23	151.64 3.91 -76.57	182.55 3.91 -107.47	245.51 5.42 -143.28	187.26 5.47 -84.09	176.77 4.15 -98.39	155.07 4.05 -77.42	155.63 3.84 -80.70	148.46 3.83 -73.61	147.96 3.69 -73.32
AUBURN____LFGE 323710	80.83 0.28 -9.89	75.91 0.07 -9.65	67.37 0.06 -10.09	67.10 0.17 -9.31	72.49 0.19 -9.71	81.24 0.64 -9.79	84.68 1.21 -12.38	89.61 1.14 -17.45	84.63 0.92 -12.68	83.45 1.14 -11.36	82.03 1.00 -9.79	80.27 0.78 -8.40	79.84 0.71 -8.03	79.15 0.50 -7.71	79.09 0.50 -7.71	81.08 0.93 -8.99	79.72 1.00 -7.56	108.91 2.03 -10.05	109.45 2.05 -9.69	86.04 1.56 -10.25	84.96 1.25 -10.10	82.02 0.78 -10.14	80.77 0.50 -9.25	80.74 0.57 -9.22
BABYLON_RES_REC 323704	147.00 8.62 -67.74	140.07 7.81 -66.08	132.96 6.63 -69.11	127.42 6.05 -63.76	135.75 6.70 -66.45	146.07 8.21 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.81 8.52 -86.27	158.83 8.44 -79.44	148.54 9.05 -68.25	146.16 9.31 -65.75	145.46 9.10 -65.26	146.16 9.16 -66.05	148.93 9.15 -68.90	151.36 9.32 -70.88	178.96 9.32 -98.48	219.39 13.45 -109.11	205.06 13.49 -93.87	199.92 9.87 -115.83	165.45 9.72 -82.13	159.62 9.38 -79.14	146.37 9.58 -65.77	148.87 9.44 -68.48
BABYLON__69_KV_BK2 356345	148.14 9.75 -67.74	141.14 8.87 -66.08	133.82 7.50 -69.11	128.28 6.91 -63.76	136.68 7.64 -66.45	147.06 9.20 -67.05	164.43 8.60 -84.73	200.08 9.59 -119.47	166.81 9.52 -86.27	160.11 9.72 -79.44	149.82 10.33 -68.25	147.16 10.31 -65.75	146.24 10.31 -65.26	146.94 9.93 -66.05	149.92 10.14 -68.90	152.36 10.32 -70.88	143.81 10.53 -62.11	221.13 15.20 -109.11	206.82 15.24 -93.87	201.26 11.21 -115.83	166.51 10.89 -82.01	160.60 10.52 -78.98	147.51 10.72 -65.77	149.93 10.50 -68.48
BALL_HILL_WT_PWR 323825	76.96 -5.79 -12.10	72.56 -5.43 -11.80	64.98 -4.58 -12.34	64.68 -4.32 -11.39	69.45 -5.01 -11.87	77.40 -5.38 -11.97	81.61 -4.62 -15.13	86.25 -6.11 -21.34	79.35 -6.68 -15.01	77.82 -7.03 -13.90	77.09 -6.13 -11.98	74.75 -6.61 -10.27	74.24 -6.69 -9.82	73.35 -7.03 -9.42	73.23 -7.09 -9.43	75.96 -6.19 -10.99	78.28 -5.91 -13.02	102.56 -6.59 -12.33	102.64 -6.93 -11.87	81.37 -5.42 -12.56	80.15 -5.82 -12.36	77.10 -6.40 -12.40	76.23 -6.11 -11.31	77.18 -5.04 -11.27
BARON_WINDS__WT_PWR 323822	83.26 -3.60 -16.21	78.49 -3.51 -15.81	70.72 -3.03 -16.54	70.05 -2.82 -15.26	75.24 -3.26 -15.90	83.53 -3.33 -16.05	88.67 -2.70 -20.28	95.99 -3.62 -28.59	87.51 -4.12 -20.61	85.11 -4.47 -18.62	83.30 -3.99 -16.05	80.45 -4.41 -13.76	79.79 -4.48 -13.16	78.82 -4.75 -12.63	78.70 -4.82 -12.64	81.84 -4.05 -14.73	85.10 -3.63 -17.56	109.70 -3.78 -16.65	109.80 -3.91 -16.00	88.11 -3.05 -16.93	87.03 -3.24 -16.66	84.02 -3.70 -16.62	82.48 -3.70 -15.16	83.07 -2.98 -15.10
BARRETT_IC_1 23704	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_10 23701	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_11 23702	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_12 23703	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_2 23705	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_3 23706	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_4 23707	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48



BARRETT_IC_5 23708	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_6 23709	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_7 23710	145.95 7.56 -67.74	139.16 6.88 -66.09	132.17 5.84 -69.11	126.74 5.36 -63.76	135.00 5.95 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.76 7.46 -86.28	158.06 7.66 -79.45	147.76 8.26 -68.25	145.10 8.25 -65.76	144.33 7.96 -65.27	144.96 7.95 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	141.40 8.11 -62.12	217.36 11.42 -109.11	203.02 11.43 -93.88	198.59 8.54 -115.83	177.69 8.32 -95.77	177.62 7.96 -98.56	145.17 8.38 -65.77	147.59 8.16 -68.48
BARRETT_IC_8 23711	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT_IC_9 23700	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT___1 23545	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BARRETT___2 23546	145.88 7.49 -67.74	139.09 6.82 -66.09	132.11 5.78 -69.11	126.62 5.24 -63.76	134.94 5.88 -66.46	144.94 7.08 -67.06	162.30 6.47 -84.74	197.81 7.32 -119.48	164.75 7.46 -86.28	157.85 7.45 -79.45	147.54 8.05 -68.25	145.10 8.24 -65.76	144.46 8.10 -65.27	145.10 8.09 -66.06	147.80 8.01 -68.91	150.23 8.18 -70.88	177.69 8.04 -98.48	217.25 11.32 -109.11	203.01 11.43 -93.88	198.52 8.46 -115.83	177.69 8.32 -95.77	177.69 8.03 -98.56	145.10 8.31 -65.77	147.59 8.16 -68.48
BATAVIA__115KV_TB1 55881	76.56 -4.52 -10.43	72.13 -4.24 -10.18	64.26 -3.60 -10.64	63.98 -3.46 -9.82	69.01 -3.82 -10.24	77.10 -4.04 -10.33	81.16 -2.99 -13.05	85.38 -4.05 -18.40	79.31 -4.76 -13.05	78.96 -3.97 -11.98	77.23 -4.35 -10.33	74.97 -4.98 -8.85	74.45 -5.12 -8.47	73.61 -5.46 -8.13	73.49 -5.53 -8.13	76.02 -4.63 -9.48	74.80 -4.34 -7.97	103.04 -4.36 -10.58	103.21 -4.69 -10.20	81.45 -3.56 -10.79	80.11 -4.12 -10.62	77.17 -4.62 -10.70	76.16 -4.62 -9.76	76.63 -4.04 -9.72
BAYONEEC___CTG1 323682	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG10 323750	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG2 323683	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG3 323684	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG4 323685	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG5 323686	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG6 323687	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08



BAYONEEC___CTG7 323688	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG8 323689	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BAYONEEC___CTG9 323749	145.01 6.64 -67.72	138.08 5.83 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.29 5.26 -66.44	143.93 6.09 -67.04	161.92 6.12 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.76 7.38 -79.43	146.89 7.55 -68.09	136.65 7.53 -58.02	133.49 7.39 -55.00	131.15 7.45 -52.75	132.82 7.37 -54.56	143.27 7.47 -64.64	166.60 7.33 -88.11	216.06 10.16 -109.08	179.83 10.26 -71.87	163.79 7.79 -81.78	149.80 7.65 -68.54	147.92 7.39 -69.43	141.67 7.32 -63.33	141.13 7.09 -63.08
BEACON___LESR 323632	162.94 3.88 -88.40	156.07 3.64 -86.24	150.49 3.09 -90.19	144.05 3.22 -83.21	152.39 3.07 -86.73	161.92 3.61 -87.51	185.37 3.69 -110.58	230.56 3.62 -155.92	205.10 3.83 -130.25	175.38 3.76 -100.67	162.17 3.99 -86.94	149.80 3.98 -74.72	147.08 4.19 -71.79	143.92 4.11 -68.86	142.26 3.40 -67.98	153.35 3.56 -78.63	179.49 3.35 -104.97	188.39 4.94 -86.63	204.00 4.50 -101.80	181.39 3.56 -103.60	185.73 3.46 -108.67	164.93 3.20 -90.63	157.31 3.62 -82.67	156.70 3.41 -82.35
BEAVER RIVER___HYD 24048	72.88 -0.42 -2.65	68.25 -0.53 -2.59	59.41 -0.52 -2.71	59.59 -0.52 -2.50	64.82 -0.37 -2.60	73.22 -0.21 -2.63	74.70 0.29 -3.32	76.34 0.64 -4.68	74.21 0.36 -2.83	74.19 0.21 -3.03	74.07 0.21 -2.61	73.34 0.00 -2.25	73.25 0.00 -2.16	72.95 -0.07 -2.07	72.86 -0.07 -2.05	73.68 0.14 -2.37	73.48 0.29 -2.03	92.57 0.29 4.54	94.08 0.78 4.40	76.79 0.59 -1.98	76.22 0.52 -2.09	73.89 0.07 -2.72	73.36 -0.14 -2.48	73.07 -0.35 -2.47
BEEBEE_GT_13 23619	76.59 -3.04 -8.98	72.10 -2.85 -8.76	63.97 -2.40 -9.16	63.82 -2.25 -8.45	68.90 -2.50 -8.81	77.07 -2.62 -8.89	80.48 -1.85 -11.23	84.37 -2.49 -15.83	79.61 -2.91 -11.50	78.92 -2.34 -10.31	77.56 -2.56 -8.89	75.73 -2.99 -7.62	75.33 -3.06 -7.29	74.61 -3.33 -6.99	74.48 -3.40 -7.00	76.54 -2.78 -8.15	75.39 -2.63 -6.86	103.25 -2.61 -9.05	103.60 -2.83 -8.73	81.38 -2.08 -9.24	80.20 -2.50 -9.10	77.46 -2.84 -9.20	76.43 -2.98 -8.39	76.62 -2.70 -8.36
BENSHRST_27_KV_BENSHRST_1 355998	373.82 7.63 -295.54	275.97 6.88 -202.89	132.41 5.95 -69.24	127.25 5.88 -63.76	135.57 6.38 -66.59	250.89 7.43 -172.65	377.35 7.47 -298.79	380.34 8.10 -301.23	356.76 8.31 -277.43	461.17 8.59 -381.64	169.05 8.69 -89.12	170.47 8.67 -90.70	171.20 8.39 -91.71	173.45 8.37 -94.13	171.92 8.43 -92.60	165.04 8.61 -85.26	133.63 8.68 -53.78	318.03 12.01 -209.20	334.83 12.21 -224.91	296.69 9.28 -213.18	251.39 9.13 -168.66	189.45 8.67 -109.68	340.91 8.31 -261.58	207.70 8.09 -128.66
BETHLEHEM___GRP 23843	161.89 2.76 -88.49	155.09 2.58 -86.32	149.72 2.23 -90.28	143.26 2.36 -83.29	151.47 2.07 -86.81	160.73 2.34 -87.59	184.06 2.28 -110.68	229.29 2.20 -156.07	203.61 2.34 -130.24	174.12 2.41 -100.76	160.61 2.35 -87.02	148.38 2.49 -74.79	145.94 2.99 -71.86	142.78 2.91 -68.92	140.97 2.06 -68.03	151.70 1.85 -78.68	140.43 1.64 -67.62	185.55 2.42 -86.31	201.67 2.25 -101.71	179.49 1.78 -103.48	183.93 1.69 -108.63	163.59 1.78 -90.72	156.11 2.34 -82.75	155.65 2.27 -82.43
BETHLEHEM___GS1 323560	161.89 2.75 -88.49	155.09 2.58 -86.32	149.72 2.23 -90.28	143.27 2.36 -83.29	151.47 2.06 -86.81	160.73 2.33 -87.59	184.06 2.27 -110.68	229.22 2.13 -156.07	203.61 2.34 -130.24	173.98 2.27 -100.76	160.75 2.49 -87.02	148.52 2.63 -74.79	145.94 2.99 -71.86	142.85 2.98 -68.92	141.04 2.12 -68.03	151.98 2.13 -78.68	177.78 1.78 -104.83	185.94 2.81 -86.31	201.76 2.34 -101.71	179.63 1.93 -103.48	184.00 1.76 -108.63	163.52 1.70 -90.72	156.04 2.27 -82.75	155.50 2.13 -82.43
BETHLEHEM___GS2 323561	161.89 2.75 -88.49	155.09 2.58 -86.32	149.72 2.23 -90.28	143.27 2.36 -83.29	151.47 2.06 -86.81	160.73 2.33 -87.59	184.06 2.27 -110.68	229.22 2.13 -156.07	203.61 2.34 -130.24	173.98 2.27 -100.76	160.75 2.49 -87.02	148.52 2.63 -74.79	145.94 2.99 -71.86	142.85 2.98 -68.92	141.04 2.12 -68.03	151.98 2.13 -78.68	177.78 1.78 -104.83	185.94 2.81 -86.31	201.76 2.34 -101.71	179.63 1.93 -103.48	184.00 1.76 -108.63	163.52 1.70 -90.72	156.04 2.27 -82.75	155.50 2.13 -82.43
BETHLEHEM___GS3 323562	161.89 2.75 -88.49	155.09 2.58 -86.32	149.72 2.23 -90.28	143.27 2.36 -83.29	151.47 2.06 -86.81	160.73 2.33 -87.59	184.06 2.27 -110.68	229.22 2.13 -156.07	203.61 2.34 -130.24	173.98 2.27 -100.76	160.75 2.49 -87.02	148.52 2.63 -74.79	145.94 2.99 -71.86	142.85 2.98 -68.92	141.04 2.12 -68.03	151.98 2.13 -78.68	177.78 1.78 -104.83	185.94 2.81 -86.31	201.76 2.34 -101.71	179.63 1.93 -103.48	184.00 1.76 -108.63	163.52 1.70 -90.72	156.04 2.27 -82.75	155.50 2.13 -82.43
BETHLEHEM___STEEL 23779	76.73 -6.01 -12.08	72.28 -5.69 -11.78	64.74 -4.81 -12.32	64.38 -4.61 -11.37	69.19 -5.26 -11.85	77.10 -5.66 -11.96	81.23 -4.98 -15.11	86.08 -6.25 -21.31	79.19 -6.82 -14.99	78.87 -5.96 -13.88	76.79 -6.41 -11.96	74.45 -6.90 -10.25	73.94 -6.97 -9.81	73.12 -7.24 -9.41	72.93 -7.37 -9.42	75.66 -6.48 -10.97	74.21 -6.19 -9.23	101.87 -7.26 -12.31	102.03 -7.52 -11.85	81.20 -5.57 -12.54	79.62 -6.33 -12.34	76.87 -6.61 -12.39	75.85 -6.46 -11.30	76.74 -5.46 -11.25
BETHLHEM_115KV_TB1 79974	161.82 2.76 -88.41	155.02 2.58 -86.25	149.65 2.23 -90.20	143.19 2.36 -83.22	151.46 2.13 -86.74	160.73 2.41 -87.52	184.03 2.35 -110.59	229.23 2.27 -155.94	202.33 2.41 -128.90	174.09 2.48 -100.66	160.60 2.42 -86.94	148.38 2.56 -74.72	145.88 2.99 -71.80	142.72 2.91 -68.86	141.04 2.20 -67.96	151.82 2.06 -78.59	140.58 1.85 -67.57	184.13 2.71 -84.59	200.48 2.54 -100.24	178.19 2.00 -101.96	182.71 1.91 -107.19	163.66 1.92 -90.64	156.11 2.41 -82.68	155.65 2.34 -82.36
BETHPAGE_CC_5 323564	146.65 8.26 -67.74	139.75 7.48 -66.08	132.67 6.35 -69.11	127.19 5.82 -63.76	135.50 6.45 -66.45	145.71 7.86 -67.05	163.08 7.26 -84.73	198.65 8.16 -119.47	165.53 8.23 -86.27	158.62 8.23 -79.44	148.32 8.83 -68.25	145.95 9.10 -65.75	145.24 8.89 -65.26	145.95 8.94 -66.05	148.64 8.86 -68.90	151.08 9.04 -70.88	178.54 8.89 -98.48	218.61 12.68 -109.11	204.27 12.70 -93.87	199.48 9.43 -115.83	165.74 9.27 -82.85	160.16 8.89 -80.18	146.01 9.23 -65.77	148.44 9.01 -68.48
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	76.89 -6.01 -12.25	72.45 -5.69 -11.95	64.85 -4.86 -12.50	64.48 -4.67 -11.53	69.29 -5.32 -12.02	77.27 -5.66 -12.13	81.44 -4.98 -15.32	86.38 -6.25 -21.60	79.42 -6.82 -15.22	78.99 -6.03 -14.07	76.96 -6.41 -12.13	74.67 -6.83 -10.39	74.08 -6.97 -9.95	73.26 -7.24 -9.54	73.06 -7.37 -9.55	75.82 -6.48 -11.13	74.34 -6.19 -9.36	102.05 -7.26 -12.49	102.20 -7.52 -12.02	81.45 -5.49 -12.72	79.80 -6.33 -12.52	77.04 -6.61 -12.56	76.01 -6.46 -11.45	76.90 -5.46 -11.41



BINGHAMTON___COGEN 23790	94.17 0.14 -23.38	88.99 0.00 -22.80	81.07 0.00 -23.85	79.67 0.06 -22.00	85.59 0.06 -22.93	94.30 0.35 -23.14	101.12 0.78 -29.24	112.82 0.57 -41.23	101.72 0.36 -30.35	98.45 0.64 -26.86	94.88 0.50 -23.14	91.29 0.36 -19.84	90.29 0.21 -18.98	89.23 0.07 -18.21	89.18 0.07 -18.23	92.91 0.50 -21.24	89.67 0.64 -17.86	122.52 1.26 -24.44	122.44 1.27 -23.46	100.00 0.96 -24.81	98.74 0.74 -24.40	95.42 0.36 -23.97	93.09 0.21 -21.86	93.15 0.43 -21.77
BIXINCNT_115KV_LOAD 355685	77.03 -6.64 -13.02	72.27 -6.62 -12.70	64.72 -5.78 -13.28	64.10 -5.76 -12.25	68.98 -6.38 -12.77	76.89 -6.80 -12.89	81.12 -6.26 -16.28	86.59 -7.39 -22.96	79.53 -7.74 -16.25	78.88 -7.02 -14.95	76.72 -7.41 -12.89	74.32 -7.82 -11.05	73.63 -8.03 -10.57	72.93 -8.16 -10.14	72.74 -8.29 -10.15	75.31 -7.69 -11.82	74.14 -6.97 -9.95	101.69 -8.42 -13.30	102.10 -8.40 -12.79	81.53 -6.23 -13.54	79.72 -7.21 -13.32	77.19 -7.25 -13.35	76.23 -6.96 -12.17	76.98 -6.10 -12.13
BLACK RIVER___HYD 24047	75.15 0.85 -3.65	70.28 0.53 -3.56	61.40 0.46 -3.72	61.51 0.46 -3.44	66.86 0.69 -3.58	75.55 1.13 -3.61	77.51 1.85 -4.57	79.73 2.27 -6.44	76.76 1.84 -3.90	76.82 1.70 -4.16	76.76 1.92 -3.59	75.75 1.56 -3.09	75.62 1.56 -2.96	75.29 1.49 -2.84	75.19 1.49 -2.81	76.27 1.85 -3.26	75.88 1.92 -2.79	97.66 2.90 2.06	99.49 3.51 1.73	79.47 2.53 -2.72	78.91 2.43 -2.88	76.54 1.70 -3.74	75.71 1.28 -3.41	75.42 1.07 -3.40
BLACKRVR_115KV_TB2 79977	75.15 0.85 -3.65	70.28 0.53 -3.56	61.40 0.46 -3.72	61.51 0.46 -3.44	66.86 0.69 -3.58	75.55 1.13 -3.61	77.51 1.85 -4.57	79.73 2.27 -6.44	76.77 1.85 -3.90	77.03 1.92 -4.16	76.76 1.92 -3.59	75.75 1.56 -3.09	75.63 1.56 -2.96	75.28 1.49 -2.84	75.26 1.56 -2.81	76.28 1.85 -3.26	75.95 1.99 -2.79	97.66 2.90 2.06	99.50 3.52 1.73	79.47 2.52 -2.72	78.91 2.43 -2.88	76.55 1.71 -3.74	75.71 1.28 -3.41	75.34 0.99 -3.40
BLISS_WT_PWR 323608	76.67 -7.00 -13.02	71.87 -7.02 -12.70	64.32 -6.18 -13.28	63.76 -6.11 -12.25	68.60 -6.76 -12.77	76.40 -7.29 -12.89	80.55 -6.83 -16.28	85.88 -8.10 -22.96	78.82 -8.45 -16.25	77.17 -8.73 -14.95	76.15 -7.98 -12.89	73.68 -8.46 -11.05	72.99 -8.68 -10.57	72.36 -8.73 -10.14	72.17 -8.86 -10.15	74.66 -8.33 -11.82	77.59 -7.61 -14.04	101.12 -9.00 -13.30	101.42 -9.08 -12.79	80.71 -7.05 -13.54	79.27 -7.66 -13.32	76.62 -7.82 -13.35	75.88 -7.31 -12.17	76.62 -6.46 -12.13
BLUESTONE___WT_PWR 323821	99.79 4.02 -25.11	94.13 3.44 -24.50	85.81 2.97 -25.62	84.24 2.99 -23.64	90.61 3.38 -24.64	99.98 4.32 -24.86	107.77 5.26 -31.41	120.57 5.26 -44.29	110.71 4.90 -34.79	104.63 4.83 -28.85	101.09 4.99 -24.86	97.25 4.84 -21.31	96.18 4.69 -20.39	94.84 4.33 -19.56	94.58 4.11 -19.58	98.83 4.84 -22.82	106.11 4.98 -29.97	133.00 7.56 -28.63	133.35 8.11 -27.54	109.16 5.94 -29.00	107.82 5.67 -28.54	101.61 4.76 -25.75	98.98 4.48 -23.48	98.82 4.47 -23.39
BLUE_CIRC_CHEM_DRP 24182	160.41 2.97 -86.79	153.70 2.85 -84.67	148.23 2.46 -88.55	141.84 2.53 -81.70	150.25 2.50 -85.15	159.55 2.83 -85.91	182.51 2.84 -108.57	226.73 2.63 -153.08	195.44 2.70 -121.72	172.55 2.56 -98.90	159.21 2.56 -85.40	147.11 2.63 -73.38	144.35 2.77 -70.49	141.32 2.77 -67.60	140.10 2.41 -66.81	150.97 2.49 -77.31	139.92 2.42 -66.33	180.30 3.58 -79.90	194.60 3.42 -93.47	172.30 2.60 -95.48	176.17 2.58 -99.99	162.64 2.56 -88.98	154.95 2.77 -81.16	154.50 2.70 -80.85
BOC_GAS_DRP 24189	161.19 2.54 -88.00	154.42 2.38 -85.85	149.06 2.06 -89.78	142.58 2.13 -82.83	151.05 2.13 -86.33	160.32 2.41 -87.11	183.66 2.49 -110.08	228.64 2.41 -155.21	194.92 2.49 -121.42	173.70 2.63 -100.12	160.30 2.56 -86.49	148.01 2.56 -74.35	145.26 2.70 -71.47	142.19 2.70 -68.54	140.86 2.41 -67.57	151.68 2.42 -78.10	140.77 2.35 -67.25	175.17 3.29 -75.06	193.06 3.32 -92.03	170.25 2.52 -93.50	175.24 2.43 -99.20	163.66 2.35 -90.22	155.80 2.49 -82.29	155.34 2.41 -81.97
BOONVILLE_115KV_TB1 79983	74.61 1.62 -2.34	69.86 1.39 -2.28	60.80 1.20 -2.39	61.02 1.21 -2.20	66.26 1.38 -2.29	74.96 1.84 -2.31	76.37 2.35 -2.92	77.56 2.41 -4.12	75.79 2.27 -2.50	75.89 2.27 -2.67	75.75 2.21 -2.30	75.14 2.06 -1.98	75.06 2.06 -1.90	74.69 1.92 -1.82	74.60 1.91 -1.80	75.39 2.13 -2.09	75.23 2.28 -1.79	99.95 3.20 0.06	101.42 3.52 -0.19	78.56 2.60 -1.74	77.95 2.50 -1.84	75.56 2.06 -2.40	75.05 1.85 -2.19	74.83 1.70 -2.18
BORALEX_4TH_BRANCH 23824	163.17 4.52 -88.00	156.40 4.37 -85.84	150.88 3.89 -89.78	144.42 3.98 -82.83	153.55 4.63 -86.33	163.15 5.24 -87.11	186.57 5.40 -110.07	231.34 5.11 -155.20	218.17 5.26 -141.90	176.84 5.39 -100.49	163.17 5.20 -86.73	150.62 5.05 -74.48	147.46 4.91 -71.46	144.32 4.82 -68.54	144.10 5.25 -67.97	155.31 5.34 -78.81	143.75 5.34 -67.25	211.02 7.55 -106.65	221.24 7.82 -115.72	198.73 5.94 -118.57	200.62 5.52 -121.49	166.50 5.19 -90.21	158.35 5.04 -82.29	157.67 4.75 -81.97
BOWLINE___1 23526	141.38 5.09 -65.64	134.78 4.56 -64.03	128.07 3.89 -66.97	123.20 3.80 -61.78	131.18 4.19 -64.39	140.66 4.88 -64.97	158.18 4.98 -82.10	192.26 5.47 -115.77	160.32 5.68 -83.61	153.63 5.74 -76.94	143.12 5.91 -65.97	133.15 5.83 -56.22	130.23 5.83 -53.31	127.90 5.82 -51.12	129.46 5.74 -52.84	139.57 5.84 -62.57	161.98 5.84 -84.98	209.58 8.13 -104.63	175.42 8.21 -69.51	159.41 6.24 -78.95	146.16 6.11 -66.44	144.22 5.83 -67.29	138.09 5.68 -61.38	137.56 5.46 -61.14
BOWLINE___2 23595	141.38 5.09 -65.65	134.79 4.56 -64.04	128.13 3.94 -66.97	123.26 3.86 -61.79	131.19 4.19 -64.40	140.74 4.95 -64.98	158.18 4.98 -82.11	192.27 5.47 -115.78	160.32 5.68 -83.62	153.64 5.74 -76.94	143.13 5.91 -65.98	133.15 5.83 -56.22	130.24 5.83 -53.31	127.90 5.82 -51.13	129.46 5.74 -52.84	139.58 5.84 -62.57	161.99 5.84 -84.99	209.60 8.13 -104.64	175.43 8.21 -69.51	159.41 6.24 -78.95	146.16 6.11 -66.45	144.23 5.83 -67.30	138.09 5.68 -61.39	137.56 5.46 -61.15
BRADY___115KV_TB2 356060	69.59 -1.06 0.00	65.33 -0.86 0.00	56.47 -0.74 0.00	56.75 -0.86 0.00	61.72 -0.88 0.00	69.67 -1.13 0.00	69.75 -1.35 0.00	69.74 -1.28 0.00	69.67 -1.35 0.00	69.11 -1.84 0.00	69.32 -1.92 0.00	69.25 -1.85 0.00	69.46 -1.64 0.00	69.46 -1.49 0.00	69.46 -1.42 0.00	69.46 -1.71 0.00	69.39 -1.78 0.00	72.97 -3.68 20.17	73.21 -3.62 20.88	71.48 -2.75 0.00	71.69 -1.91 0.00	69.53 -1.56 0.00	69.60 -1.42 0.00	69.75 -1.21 0.00
BRANSCOMB___SOLAR 323811	166.50 5.02 -90.84	159.57 4.77 -88.61	153.95 4.06 -92.67	147.26 4.15 -85.50	156.28 4.57 -89.12	165.39 4.67 -89.92	189.69 4.98 -113.62	236.13 4.90 -160.21	233.58 4.90 -157.66	179.17 4.68 -103.54	165.34 4.70 -89.40	152.46 4.55 -76.81	149.13 4.27 -73.77	145.89 4.19 -70.75	145.30 4.47 -69.95	156.98 4.84 -80.97	211.00 5.13 -134.71	221.09 6.97 -117.30	235.72 7.13 -130.88	212.72 5.42 -133.08	216.56 5.37 -137.58	169.77 5.55 -93.13	161.29 5.33 -84.94	160.68 5.11 -84.61
BRENTWOD_69_KV_W. BRTWOOD 56703	147.99 9.61 -67.74	141.00 8.74 -66.08	133.70 7.38 -69.11	128.17 6.80 -63.76	136.56 7.51 -66.45	146.92 9.06 -67.05	164.14 8.32 -84.73	199.79 9.30 -119.47	166.52 9.23 -86.27	159.83 9.44 -79.44	149.53 10.05 -68.25	146.94 10.10 -65.75	146.10 9.74 -65.26	146.80 9.79 -66.05	149.71 9.92 -68.90	152.15 10.11 -70.88	143.53 10.25 -62.11	220.75 14.81 -109.11	206.43 14.85 -93.87	200.96 10.91 -115.83	165.79 10.60 -81.58	159.77 10.31 -78.36	147.30 10.51 -65.76	149.79 10.36 -68.48



BRISTLHL_115KV_TB1 79998	74.48 -1.70 -5.53	69.86 -1.72 -5.39	61.37 -1.49 -5.64	61.38 -1.44 -5.20	66.45 -1.56 -5.42	74.72 -1.56 -5.47	76.80 -1.21 -6.92	79.56 -1.21 -9.75	75.57 -1.35 -5.90	76.05 -1.21 -6.31	75.40 -1.28 -5.44	74.35 -1.42 -4.68	74.16 -1.42 -4.49	73.70 -1.56 -4.31	73.58 -1.56 -4.26	74.82 -1.28 -4.94	74.11 -1.28 -4.23	98.60 -1.45 -3.24	100.21 -1.47 -3.96	77.23 -1.11 -4.12	76.71 -1.25 -4.36	75.34 -1.42 -5.67	74.56 -1.63 -5.17	74.47 -1.63 -5.15
BROOKHAVEN___DRP 24191	147.64 9.26 -67.74	140.67 8.41 -66.08	133.42 7.09 -69.11	127.82 6.45 -63.76	136.18 7.14 -66.45	146.56 8.71 -67.05	163.36 7.54 -84.73	199.01 8.52 -119.47	165.60 8.31 -86.27	158.91 8.51 -79.44	148.32 8.83 -68.24	145.66 8.82 -65.75	144.82 8.46 -65.26	145.80 8.80 -66.05	148.78 9.00 -68.90	151.22 9.18 -70.88	142.67 9.39 -62.11	219.49 13.55 -109.11	205.16 13.58 -93.87	200.07 10.02 -115.83	164.85 9.79 -81.45	158.88 9.60 -78.18	146.59 9.80 -65.76	149.51 10.08 -68.48
BROOKLYN_NAVY_YARD 23515	145.01 6.64 -67.72	138.01 5.76 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.35 5.32 -66.44	144.00 6.16 -67.04	161.99 6.18 -84.71	197.43 6.96 -119.44	164.66 7.39 -86.25	157.89 7.52 -79.43	146.89 7.55 -68.09	136.72 7.61 -58.02	133.56 7.46 -55.00	131.22 7.52 -52.75	132.89 7.44 -54.56	143.42 7.62 -64.64	166.67 7.40 -88.11	216.16 10.26 -109.08	180.03 10.46 -71.87	163.86 7.86 -81.78	149.94 7.80 -68.54	148.06 7.53 -69.43	141.80 7.46 -63.33	141.27 7.24 -63.08
BROOKLYN___ARMY_DRP 323595	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
BROOKVLE_69_KV_TB1 55790	146.16 7.77 -67.74	139.22 6.95 -66.08	132.27 5.95 -69.11	126.96 5.59 -63.76	135.24 6.20 -66.45	145.15 7.29 -67.05	162.94 7.11 -84.73	198.37 7.88 -119.47	165.39 8.10 -86.27	158.63 8.23 -79.44	148.11 8.62 -68.25	145.45 8.60 -65.75	144.75 8.39 -65.26	145.38 8.37 -66.05	148.22 8.43 -68.90	150.65 8.61 -70.88	141.89 8.61 -62.11	217.74 11.81 -109.11	203.40 11.82 -93.87	199.18 9.13 -115.83	166.48 8.91 -83.97	161.32 8.46 -81.76	145.24 8.45 -65.77	147.66 8.23 -68.47
BROOME_2_LFGE 323671	94.17 0.14 -23.38	88.99 0.00 -22.80	81.07 0.00 -23.85	79.73 0.12 -22.00	85.59 0.06 -22.93	94.30 0.36 -23.14	101.12 0.78 -29.24	112.75 0.50 -41.23	101.73 0.36 -30.35	98.02 0.21 -26.86	94.89 0.50 -23.14	91.22 0.29 -19.84	90.29 0.21 -18.98	89.23 0.07 -18.21	89.18 0.07 -18.23	92.84 0.43 -21.24	97.38 0.50 -25.71	122.52 1.26 -24.44	122.43 1.27 -23.46	99.93 0.89 -24.81	98.67 0.66 -24.40	95.35 0.29 -23.97	93.09 0.21 -21.86	93.15 0.43 -21.77
BROOME___LFGE 323600	94.17 0.14 -23.38	88.99 0.00 -22.80	81.07 0.00 -23.85	79.73 0.12 -22.00	85.59 0.06 -22.93	94.30 0.36 -23.14	101.12 0.78 -29.24	112.75 0.50 -41.23	101.73 0.36 -30.35	98.02 0.21 -26.86	94.89 0.50 -23.14	91.22 0.29 -19.84	90.29 0.21 -18.98	89.23 0.07 -18.21	89.18 0.07 -18.23	92.84 0.43 -21.24	97.38 0.50 -25.71	122.52 1.26 -24.44	122.43 1.27 -23.46	99.93 0.89 -24.81	98.67 0.66 -24.40	95.35 0.29 -23.97	93.09 0.21 -21.86	93.15 0.43 -21.77
BROWNFLS_115KV_TB_3_5 80003	70.61 -1.91 -1.86	66.15 -1.85 -1.82	57.52 -1.60 -1.90	57.70 -1.67 -1.75	62.73 -1.69 -1.83	70.81 -1.84 -1.84	71.79 -1.64 -2.33	72.96 -1.35 -3.29	71.45 -1.56 -1.99	71.30 -1.77 -2.13	71.22 -1.85 -1.83	70.75 -1.92 -1.58	70.76 -1.85 -1.51	70.63 -1.77 -1.45	70.55 -1.77 -1.44	70.98 -1.85 -1.66	70.74 -1.85 -1.42	83.12 -3.10 10.60	84.11 -2.83 10.77	73.38 -2.23 -1.39	73.31 -1.77 -1.47	71.16 -1.85 -1.91	70.85 -1.92 -1.74	70.70 -1.99 -1.74
BROWNSV1_27_KV_LOAD 356125	145.72 7.35 -67.72	138.74 6.49 -66.06	131.86 5.55 -69.09	126.77 5.42 -63.74	134.98 5.95 -66.44	144.64 6.80 -67.04	162.63 6.83 -84.71	198.06 7.60 -119.44	165.30 8.03 -86.25	158.68 8.30 -79.43	147.67 8.34 -68.09	137.36 8.25 -58.02	134.13 8.03 -55.00	131.72 8.02 -52.75	133.53 8.08 -54.56	144.06 8.26 -64.64	131.18 8.26 -51.75	217.23 11.33 -109.08	181.01 11.43 -71.87	164.68 8.68 -81.78	150.68 8.54 -68.54	148.70 8.18 -69.43	142.37 8.03 -63.33	141.84 7.80 -63.08
BURROWS___LYONSDAL 23803	74.25 1.20 -2.40	69.46 0.93 -2.34	60.47 0.80 -2.45	60.68 0.81 -2.26	65.95 1.00 -2.35	74.60 1.42 -2.38	75.95 1.85 -3.00	77.31 2.06 -4.23	75.43 1.85 -2.56	75.53 1.84 -2.74	75.39 1.78 -2.36	74.76 1.64 -2.03	74.61 1.56 -1.95	74.31 1.49 -1.87	74.15 1.42 -1.85	75.02 1.71 -2.14	74.85 1.85 -1.83	98.49 2.61 0.94	99.93 2.93 0.71	78.16 2.15 -1.79	77.56 2.06 -1.89	75.19 1.64 -2.46	74.69 1.42 -2.24	74.39 1.21 -2.24
CAITHNESS_CC_1 323624	147.43 9.05 -67.74	140.41 8.14 -66.08	133.24 6.92 -69.11	127.59 6.22 -63.76	135.99 6.95 -66.45	146.42 8.56 -67.05	163.29 7.46 -84.73	198.87 8.38 -119.47	165.45 8.16 -86.27	158.48 8.09 -79.44	147.96 8.47 -68.24	145.73 8.89 -65.75	144.95 8.60 -65.26	145.94 8.94 -66.05	148.71 8.93 -68.90	151.15 9.11 -70.88	178.83 9.18 -98.48	219.30 13.37 -109.11	204.96 13.39 -93.87	199.85 9.80 -115.83	164.70 9.64 -81.45	158.81 9.53 -78.18	146.44 9.66 -65.76	149.36 9.93 -68.48
CALPINE BETH_PAGE_GT4 24209	146.65 8.27 -67.74	139.75 7.48 -66.08	132.67 6.35 -69.11	127.25 5.88 -63.76	135.56 6.51 -66.45	145.65 7.79 -67.05	163.08 7.25 -84.73	198.66 8.17 -119.47	165.53 8.24 -86.27	158.84 8.44 -79.44	148.54 9.05 -68.25	145.88 9.03 -65.75	145.10 8.74 -65.26	145.73 8.73 -66.05	148.57 8.79 -68.90	151.01 8.97 -70.88	142.03 8.75 -62.11	218.32 12.39 -109.11	203.99 12.41 -93.87	199.26 9.20 -115.83	165.51 9.05 -82.85	159.95 8.67 -80.18	145.95 9.16 -65.77	148.30 8.87 -68.48
CALPINE_BETH_PAGE_GT_4 323586	146.58 8.19 -67.74	139.68 7.41 -66.08	132.62 6.29 -69.11	127.13 5.76 -63.76	135.43 6.39 -66.45	145.65 7.79 -67.05	163.08 7.26 -84.73	198.58 8.09 -119.47	165.53 8.23 -86.27	158.55 8.16 -79.44	148.32 8.83 -68.25	145.88 9.03 -65.75	145.17 8.81 -65.26	145.87 8.87 -66.05	148.57 8.79 -68.90	151.01 8.97 -70.88	178.32 8.68 -98.48	218.33 12.40 -109.11	203.99 12.41 -93.87	199.25 9.20 -115.83	165.51 9.05 -82.85	159.95 8.67 -80.18	145.95 9.17 -65.77	148.37 8.94 -68.48
CALPINE_BP_GT1 23823	146.58 8.19 -67.74	139.68 7.41 -66.08	132.62 6.29 -69.11	127.13 5.76 -63.76	135.43 6.39 -66.45	145.65 7.79 -67.05	163.08 7.26 -84.73	198.58 8.09 -119.47	165.53 8.23 -86.27	158.55 8.16 -79.44	148.32 8.83 -68.25	145.88 9.03 -65.75	145.17 8.81 -65.26	145.87 8.87 -66.05	148.57 8.79 -68.90	151.01 8.97 -70.88	178.32 8.68 -98.48	218.33 12.40 -109.11	203.99 12.41 -93.87	199.25 9.20 -115.83	165.51 9.05 -82.85	159.95 8.67 -80.18	145.95 9.17 -65.77	148.37 8.94 -68.48
CALSPAN___DRP 24200	76.73 -6.01 -12.08	72.28 -5.69 -11.78	64.74 -4.81 -12.32	64.38 -4.61 -11.37	69.19 -5.26 -11.85	77.10 -5.66 -11.96	81.23 -4.98 -15.11	86.08 -6.25 -21.31	79.19 -6.82 -14.99	78.87 -5.96 -13.88	76.79 -6.41 -11.96	74.45 -6.90 -10.25	73.94 -6.97 -9.81	73.12 -7.24 -9.41	72.93 -7.37 -9.42	75.66 -6.48 -10.97	74.21 -6.19 -9.23	101.87 -7.26 -12.31	102.03 -7.52 -11.85	81.20 -5.57 -12.54	79.62 -6.33 -12.34	76.87 -6.61 -12.39	75.85 -6.46 -11.30	76.74 -5.46 -11.25



CALVERTON___SOLAR 323806	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.88 6.51 -63.76	136.30 7.26 -66.45	146.78 8.92 -67.05	163.58 7.75 -84.73	199.15 8.66 -119.47	165.74 8.45 -86.27	158.69 8.30 -79.44	147.89 8.40 -68.24	145.59 8.74 -65.75	144.88 8.53 -65.26	146.02 9.01 -66.05	148.79 9.00 -68.90	151.29 9.25 -70.88	179.11 9.47 -98.48	219.59 13.65 -109.11	205.36 13.78 -93.87	200.14 10.09 -115.83	164.99 9.93 -81.45	159.10 9.81 -78.19	146.65 9.87 -65.76	149.79 10.36 -68.48
CANDIGU_WT_PWR 323617	83.26 -3.60 -16.21	78.49 -3.51 -15.81	70.72 -3.03 -16.54	70.05 -2.82 -15.26	75.24 -3.26 -15.90	83.53 -3.33 -16.05	88.67 -2.70 -20.28	95.99 -3.62 -28.59	87.51 -4.12 -20.61	85.11 -4.47 -18.62	83.30 -3.99 -16.05	80.45 -4.41 -13.76	79.79 -4.48 -13.16	78.82 -4.75 -12.63	78.70 -4.82 -12.64	81.84 -4.05 -14.73	85.10 -3.63 -17.56	109.70 -3.78 -16.65	109.80 -3.91 -16.00	88.11 -3.05 -16.93	87.03 -3.24 -16.66	84.02 -3.70 -16.62	82.48 -3.70 -15.16	83.07 -2.98 -15.10
CARR STREET_E_SYR 24060	76.64 -0.99 -6.98	71.93 -1.06 -6.81	63.42 -0.92 -7.12	63.32 -0.86 -6.57	68.50 -0.94 -6.85	76.94 -0.78 -6.91	79.40 -0.42 -8.73	82.83 -0.49 -12.31	77.83 -0.64 -7.45	78.26 -0.71 -8.01	77.72 -0.42 -6.91	76.38 -0.64 -5.92	76.12 -0.64 -5.67	75.61 -0.78 -5.43	75.54 -0.78 -5.44	77.01 -0.49 -6.33	76.45 -0.57 -5.86	101.96 -0.29 -5.43	102.62 -0.29 -5.21	79.53 -0.30 -5.60	78.66 -0.44 -5.50	77.54 -0.71 -7.15	76.70 -0.85 -6.53	76.67 -0.78 -6.50
CARTHAGE___PAPER 23857	73.84 -0.07 -3.27	69.11 -0.26 -3.19	60.32 -0.23 -3.33	60.46 -0.23 -3.07	65.73 -0.06 -3.20	74.25 0.21 -3.23	76.04 0.86 -4.08	77.99 1.21 -5.76	75.36 0.86 -3.49	75.38 0.71 -3.72	75.17 0.71 -3.22	74.29 0.43 -2.76	74.18 0.43 -2.65	73.92 0.43 -2.54	73.83 0.43 -2.52	74.72 0.64 -2.92	74.45 0.78 -2.50	94.97 1.17 3.02	96.70 1.76 2.76	77.92 1.26 -2.43	77.35 1.17 -2.57	75.08 0.64 -3.35	74.36 0.29 -3.05	74.06 0.07 -3.04
CASSADAGA_WT_PWR 323784	78.58 -4.73 -12.66	73.98 -4.57 -12.35	66.30 -3.83 -12.92	65.91 -3.63 -11.92	70.82 -4.19 -12.42	78.95 -4.39 -12.54	83.53 -3.41 -15.84	88.67 -4.69 -22.34	81.61 -5.18 -15.78	79.89 -5.61 -14.55	79.15 -4.63 -12.54	76.72 -5.12 -10.75	76.12 -5.26 -10.28	75.21 -5.61 -9.86	75.08 -5.67 -9.87	77.97 -4.70 -11.50	80.40 -4.41 -13.65	105.39 -4.36 -12.93	105.36 -4.79 -12.44	83.68 -3.71 -13.16	82.29 -4.27 -12.95	79.18 -4.90 -12.98	78.17 -4.69 -11.84	79.20 -3.55 -11.80
CE_DUNWOOD___DRP 24194	144.32 6.08 -67.59	137.55 5.43 -65.94	130.81 4.63 -68.96	125.78 4.55 -63.62	133.91 5.01 -66.31	143.52 5.81 -66.91	161.54 5.90 -84.55	196.69 6.46 -119.21	163.78 6.68 -86.08	157.10 6.88 -79.27	146.19 6.98 -67.96	135.90 6.90 -57.90	132.67 6.68 -54.89	130.27 6.67 -52.64	132.07 6.73 -54.46	142.58 6.90 -64.51	129.72 6.90 -51.65	215.11 9.49 -108.80	179.00 9.58 -71.72	163.10 7.27 -81.60	149.15 7.14 -68.40	147.15 6.75 -69.29	140.90 6.68 -63.21	140.30 6.39 -62.96
CE_MILLWOOD___DRP 24193	143.85 5.86 -67.34	137.11 5.23 -65.69	130.44 4.52 -68.70	125.43 4.44 -63.38	133.47 4.82 -66.06	143.05 5.59 -66.66	161.01 5.69 -84.23	196.04 6.25 -118.76	163.25 6.46 -85.76	156.59 6.67 -78.97	145.64 6.70 -67.70	135.39 6.61 -57.68	132.25 6.47 -54.68	129.86 6.46 -52.45	131.65 6.52 -54.25	142.04 6.62 -64.26	129.32 6.69 -51.46	214.28 9.20 -108.26	178.42 9.28 -71.43	162.53 7.05 -81.25	148.68 6.92 -68.15	146.67 6.54 -69.03	140.45 6.46 -62.97	139.85 6.17 -62.72
CE_NYC2_DRP 24202	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.87 7.67 -93.18	169.26 7.95 -90.37	148.29 7.98 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.63 7.90 -67.56	131.10 7.90 -52.04	216.66 10.75 -109.09	183.32 10.94 -74.67	167.08 8.31 -84.54	150.33 8.17 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.94 7.52 -65.47
CE_NYC_DRP 24195	145.15 6.78 -67.72	138.28 6.02 -66.06	131.46 5.15 -69.09	126.31 4.95 -63.74	134.48 5.45 -66.44	144.07 6.23 -67.03	162.06 6.26 -84.71	197.49 7.03 -119.44	164.73 7.46 -86.25	158.11 7.73 -79.42	147.10 7.77 -68.09	136.86 7.75 -58.02	133.56 7.47 -55.00	131.15 7.45 -52.75	132.96 7.51 -54.56	143.49 7.69 -64.64	130.53 7.61 -51.75	216.35 10.46 -109.08	180.13 10.55 -71.87	164.02 8.02 -81.78	150.02 7.88 -68.54	148.06 7.54 -69.43	141.81 7.46 -63.33	141.20 7.17 -63.08
CHAFFEE___LFGE 323603	77.33 -5.86 -12.55	72.94 -5.49 -12.24	65.33 -4.69 -12.80	65.04 -4.38 -11.81	69.84 -5.07 -12.31	77.78 -5.45 -12.42	82.03 -4.76 -15.70	86.90 -6.25 -22.13	79.82 -6.82 -15.62	78.20 -7.16 -14.41	77.32 -6.34 -12.42	74.99 -6.76 -10.65	74.39 -6.90 -10.19	73.56 -7.16 -9.77	73.37 -7.30 -9.78	76.16 -6.40 -11.40	78.49 -6.19 -13.52	102.65 -6.97 -12.80	102.70 -7.33 -12.32	81.62 -5.64 -13.04	80.33 -6.11 -12.83	77.35 -6.61 -12.86	76.43 -6.32 -11.73	77.32 -5.32 -11.69
CHATEAUG_35_KV_LOAD 355732	67.97 -2.68 0.00	63.94 -2.25 0.00	55.27 -1.95 0.00	55.54 -2.07 0.00	60.40 -2.19 0.00	68.11 -2.69 0.00	67.90 -3.20 0.00	67.90 -3.12 0.00	67.82 -3.20 0.00	67.33 -3.62 0.00	67.54 -3.70 0.00	67.54 -3.55 0.00	67.61 -3.48 0.00	67.69 -3.26 0.00	67.62 -3.26 0.00	67.54 -3.63 0.00	67.47 -3.70 0.00	69.65 -5.33 21.85	69.62 -5.47 22.61	70.07 -4.16 0.00	69.78 -3.83 0.00	67.83 -3.27 0.00	67.97 -3.05 0.00	68.40 -2.55 0.00
CHATEAUG_WT_PWR 323614	67.82 -2.83 0.00	63.74 -2.45 0.00	55.04 -2.17 0.00	55.37 -2.25 0.00	60.22 -2.38 0.00	67.90 -2.91 0.00	67.61 -3.48 0.00	67.68 -3.34 0.00	67.61 -3.41 0.00	67.62 -3.33 0.00	67.39 -3.85 0.00	67.40 -3.70 0.00	67.47 -3.62 0.00	67.48 -3.48 0.00	67.48 -3.40 0.00	67.32 -3.84 0.00	67.32 -3.84 0.00	68.82 -5.71 22.28	68.87 -5.76 23.07	70.00 -4.23 0.00	69.56 -4.05 0.00	67.69 -3.41 0.00	67.68 -3.34 0.00	68.18 -2.77 0.00
CHAT_HIGH_FALL_HYD 323578	67.97 -2.68 0.00	63.94 -2.25 0.00	55.27 -1.95 0.00	55.54 -2.07 0.00	60.40 -2.19 0.00	68.11 -2.69 0.00	67.90 -3.20 0.00	67.90 -3.12 0.00	67.82 -3.20 0.00	67.33 -3.62 0.00	67.54 -3.70 0.00	67.54 -3.55 0.00	67.61 -3.48 0.00	67.69 -3.26 0.00	67.62 -3.26 0.00	67.54 -3.63 0.00	67.47 -3.70 0.00	69.65 -5.33 21.85	69.62 -5.47 22.61	70.07 -4.16 0.00	69.78 -3.83 0.00	67.83 -3.27 0.00	67.97 -3.05 0.00	68.40 -2.55 0.00
CHAUTAUQUA___LFGE 323629	77.74 -5.23 -12.32	73.31 -4.90 -12.02	65.61 -4.17 -12.57	65.29 -3.92 -11.60	70.11 -4.57 -12.09	78.18 -4.82 -12.20	82.53 -3.98 -15.41	87.35 -5.40 -21.73	80.44 -5.89 -15.31	78.79 -6.31 -14.15	78.02 -5.42 -12.20	75.72 -5.83 -10.45	75.13 -5.97 -10.01	74.23 -6.31 -9.60	74.11 -6.38 -9.61	76.95 -5.41 -11.19	79.31 -5.12 -13.27	103.96 -5.42 -12.56	103.94 -5.86 -12.09	82.49 -4.53 -12.80	81.19 -5.01 -12.59	78.11 -5.62 -12.63	77.21 -5.33 -11.52	78.17 -4.26 -11.48
CHERRYST_13_KV_LD 356241	145.37 6.99 -67.72	138.41 6.16 -66.06	131.57 5.26 -69.09	126.48 5.13 -63.74	134.66 5.63 -66.44	144.28 6.44 -67.03	162.35 6.54 -84.71	197.78 7.32 -119.44	164.94 7.67 -86.25	158.39 8.02 -79.42	147.39 8.05 -68.09	137.15 8.03 -58.02	133.84 7.75 -55.00	131.43 7.73 -52.75	133.24 7.80 -54.56	143.77 7.97 -64.64	130.89 7.97 -51.75	216.74 10.84 -109.08	180.52 10.94 -71.87	164.31 8.31 -81.78	150.31 8.17 -68.54	148.27 7.75 -69.43	142.02 7.67 -63.33	141.41 7.38 -63.08



CHESTROR_138KV_BK263 355645	138.41 4.87 -62.88	131.90 4.37 -61.34	125.09 3.72 -64.15	120.49 3.69 -59.19	128.29 4.01 -61.69	137.72 4.67 -62.24	154.51 4.76 -78.65	187.11 5.18 -110.90	156.48 5.33 -80.13	150.05 5.46 -73.64	139.89 5.49 -63.16	130.33 5.40 -53.83	127.35 5.19 -51.06	125.11 5.18 -48.98	126.67 5.25 -50.55	136.39 5.41 -59.81	124.77 5.55 -48.05	203.14 7.65 -98.67	171.81 7.72 -66.38	155.27 5.86 -75.18	143.03 5.74 -63.69	140.97 5.40 -64.47	135.15 5.33 -58.80	134.63 5.11 -58.57
CH_MIDHUDSON___DRP 24192	145.49 6.08 -68.77	138.70 5.43 -67.09	132.07 4.69 -70.16	127.01 4.67 -64.73	135.13 5.07 -67.47	144.83 5.95 -68.07	163.23 6.11 -86.02	198.77 6.46 -121.29	165.63 6.68 -87.93	158.35 6.81 -80.59	147.04 6.70 -69.10	136.60 6.61 -58.89	133.34 6.40 -55.85	130.90 6.39 -53.56	132.67 6.45 -55.34	143.37 6.69 -65.51	130.55 6.83 -52.55	215.71 9.39 -109.50	180.39 9.58 -73.11	164.42 7.27 -82.93	150.72 7.14 -69.97	148.28 6.68 -70.50	141.86 6.53 -64.31	141.25 6.24 -64.06
CH_MISC_IPPS 23765	144.60 6.43 -67.52	137.81 5.76 -65.86	131.02 4.92 -68.88	126.00 4.84 -63.55	134.15 5.32 -66.24	144.01 6.38 -66.83	162.16 6.61 -84.45	197.07 6.96 -119.08	164.45 7.10 -86.33	157.07 7.03 -79.10	146.20 7.12 -67.83	135.80 6.89 -57.81	132.82 6.89 -54.83	130.35 6.81 -52.59	131.85 6.66 -54.30	142.34 6.90 -64.27	165.77 7.26 -87.34	213.78 10.07 -106.90	179.56 10.16 -71.69	163.18 7.72 -81.24	149.96 7.65 -68.70	147.43 7.11 -69.22	141.12 6.96 -63.14	140.59 6.74 -62.89
CH_RES_BVR_FALLS 23983	68.95 -1.70 0.00	64.67 -1.52 0.00	55.90 -1.31 0.00	56.23 -1.38 0.00	61.09 -1.50 0.00	69.04 -1.77 0.00	69.03 -2.06 0.00	69.03 -1.99 0.00	69.11 -1.91 0.00	69.04 -1.91 0.00	69.11 -2.14 0.00	69.03 -2.06 0.00	69.03 -2.06 0.00	68.97 -1.99 0.00	68.97 -1.91 0.00	69.03 -2.13 0.00	69.03 -2.13 0.00	59.08 -3.39 34.35	58.73 -3.42 35.56	71.78 -2.45 0.00	71.40 -2.21 0.00	69.18 -1.92 0.00	69.17 -1.85 0.00	69.25 -1.70 0.00
CH_RES_NIAGARA 23895	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.60 -6.01 -11.39	62.36 -5.76 -10.51	67.03 -6.51 -10.95	74.70 -7.15 -11.05	78.45 -6.61 -13.96	82.54 -8.17 -19.69	76.02 -8.74 -13.73	76.04 -7.73 -12.82	74.03 -8.26 -11.05	71.89 -8.67 -9.47	71.35 -8.82 -9.06	70.56 -9.08 -8.69	70.44 -9.14 -8.70	72.98 -8.33 -10.14	71.58 -8.11 -8.53	98.19 -9.97 -11.35	98.37 -10.26 -10.93	78.14 -7.65 -11.56	76.75 -8.24 -11.38	74.08 -8.46 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
CH_RES_SYRACUSE 23985	78.52 -0.14 -8.01	73.67 -0.33 -7.81	65.16 -0.23 -8.17	64.98 -0.17 -7.54	70.26 -0.19 -7.86	78.80 0.07 -7.93	81.62 0.50 -10.02	85.50 0.36 -14.13	79.79 0.21 -8.55	80.29 0.14 -9.20	79.53 0.36 -7.93	78.11 0.21 -6.80	77.74 0.14 -6.50	77.26 0.07 -6.24	77.12 0.00 -6.24	78.80 0.36 -7.27	78.18 0.29 -6.73	104.04 0.97 -6.25	104.66 0.98 -5.98	81.32 0.67 -6.43	80.43 0.52 -6.31	79.45 0.14 -8.21	78.51 0.00 -7.49	78.48 0.07 -7.46
CLINTON_WT_PWR 323605	67.82 -2.83 0.00	63.74 -2.45 0.00	55.04 -2.17 0.00	55.37 -2.25 0.00	60.22 -2.38 0.00	67.90 -2.91 0.00	67.61 -3.48 0.00	67.68 -3.34 0.00	67.61 -3.41 0.00	67.62 -3.33 0.00	67.39 -3.85 0.00	67.40 -3.70 0.00	67.47 -3.62 0.00	67.48 -3.48 0.00	67.48 -3.40 0.00	67.32 -3.84 0.00	67.32 -3.84 0.00	68.82 -5.71 22.28	68.87 -5.76 23.07	70.00 -4.23 0.00	69.56 -4.05 0.00	67.69 -3.41 0.00	67.68 -3.34 0.00	68.18 -2.77 0.00
CLINTON___LFGE 323618	68.95 -1.70 0.00	64.87 -1.32 0.00	56.07 -1.14 0.00	56.35 -1.27 0.00	61.28 -1.32 0.00	69.18 -1.63 0.00	68.82 -2.28 0.00	68.96 -2.06 0.00	68.75 -2.28 0.00	68.68 -2.27 0.00	68.39 -2.85 0.00	68.32 -2.77 0.00	68.40 -2.70 0.00	68.47 -2.49 0.00	68.47 -2.41 0.00	68.39 -2.78 0.00	68.32 -2.85 0.00	70.68 -3.97 22.17	70.56 -4.20 22.95	71.11 -3.11 0.00	70.66 -2.95 0.00	68.61 -2.49 0.00	68.68 -2.34 0.00	69.46 -1.49 0.00
COBBLENY_34_KV_TB1 80064	77.33 -5.86 -12.55	72.87 -5.56 -12.24	65.27 -4.75 -12.80	64.93 -4.49 -11.81	69.71 -5.20 -12.31	77.77 -5.45 -12.42	82.03 -4.76 -15.70	87.12 -6.04 -22.13	80.04 -6.60 -15.62	79.55 -5.82 -14.41	77.39 -6.27 -12.42	75.06 -6.68 -10.65	74.53 -6.75 -10.19	73.63 -7.10 -9.77	73.51 -7.16 -9.78	76.23 -6.33 -11.40	74.78 -5.98 -9.59	102.65 -6.97 -12.80	102.80 -7.23 -12.32	81.92 -5.34 -13.04	80.33 -6.11 -12.83	77.56 -6.40 -12.86	76.43 -6.32 -11.73	77.32 -5.32 -11.69
COFFEEN___115KV_TB3 355620	75.78 1.41 -3.72	70.81 0.99 -3.63	61.87 0.86 -3.79	61.98 0.86 -3.50	67.37 1.13 -3.65	76.12 1.63 -3.68	78.24 2.49 -4.65	80.49 2.91 -6.56	77.41 2.41 -3.97	77.61 2.41 -4.24	77.33 2.42 -3.66	76.30 2.06 -3.15	76.18 2.06 -3.02	75.83 1.99 -2.90	75.73 1.98 -2.87	76.91 2.42 -3.32	76.64 2.63 -2.84	98.80 3.87 1.89	100.66 4.49 1.54	80.26 3.27 -2.77	79.70 3.17 -2.93	77.26 2.35 -3.81	76.42 1.92 -3.48	75.91 1.49 -3.46
COLDSPRG_115KV_BK1 355956	79.69 -4.17 -13.21	75.04 -4.04 -12.89	67.32 -3.38 -13.48	66.82 -3.23 -12.43	71.80 -3.76 -12.96	80.13 -3.75 -13.07	84.85 -2.77 -16.52	90.55 -3.76 -23.30	83.20 -4.33 -16.51	82.43 -3.69 -15.17	80.33 -3.99 -13.08	77.90 -4.41 -11.21	77.20 -4.62 -10.73	76.27 -4.97 -10.29	76.15 -5.03 -10.30	79.04 -4.13 -12.00	77.42 -3.84 -10.09	106.35 -3.97 -13.50	106.49 -4.20 -12.99	85.00 -2.97 -13.74	83.23 -3.90 -13.52	80.30 -4.34 -13.54	79.04 -4.33 -12.35	79.99 -3.26 -12.30
COLONIE_LFGE___ 323577	164.24 3.88 -89.71	157.41 3.70 -87.51	152.00 3.26 -91.52	145.39 3.34 -84.44	154.29 3.69 -88.01	163.71 4.11 -88.80	187.57 4.27 -112.21	233.36 4.12 -158.22	225.52 4.26 -150.24	177.39 4.11 -102.32	163.78 4.20 -88.33	151.10 4.12 -75.88	148.00 4.05 -72.85	144.79 3.97 -69.87	144.22 4.18 -69.16	155.54 4.27 -80.11	203.40 4.41 -127.82	214.69 6.10 -111.77	227.56 6.26 -123.59	204.95 4.68 -126.05	208.11 4.57 -129.94	167.40 4.34 -91.97	159.17 4.26 -83.89	158.63 4.11 -83.56
COOPERNY_115KV_TB1 80082	125.91 3.60 -51.66	119.76 3.18 -50.39	112.67 2.75 -52.70	108.95 2.71 -48.62	116.22 2.94 -50.68	125.41 3.47 -51.14	139.27 3.55 -64.62	165.97 3.84 -91.11	140.82 3.91 -65.89	135.31 4.12 -60.24	127.10 4.13 -51.72	119.29 4.05 -44.14	116.96 3.91 -41.95	115.09 3.90 -40.24	116.03 3.90 -41.25	123.94 4.13 -48.65	114.77 4.13 -39.48	177.29 5.71 -74.76	157.23 5.86 -53.66	138.62 4.45 -59.94	130.35 4.34 -52.40	128.11 4.05 -52.96	123.31 3.98 -48.31	122.90 3.83 -48.12
COPENHAGEN_WT_PWR 323753	75.12 0.63 -3.84	70.27 0.33 -3.75	61.42 0.29 -3.92	61.52 0.29 -3.61	66.86 0.50 -3.77	75.46 0.85 -3.80	77.40 1.50 -4.80	79.71 1.92 -6.77	76.61 1.49 -4.10	76.75 1.42 -4.38	76.59 1.57 -3.78	75.63 1.28 -3.25	75.50 1.28 -3.12	75.15 1.21 -2.99	75.05 1.20 -2.96	76.09 1.50 -3.43	75.66 1.56 -2.93	97.65 2.42 1.59	99.52 3.03 1.22	79.24 2.15 -2.86	78.69 2.06 -3.02	76.45 1.42 -3.94	75.61 0.99 -3.59	75.38 0.85 -3.58
CORNELL_____ 23752	88.51 1.55 -16.31	83.36 1.26 -15.91	74.94 1.09 -16.64	74.12 1.15 -15.35	79.85 1.25 -16.00	88.79 1.84 -16.14	93.99 2.49 -20.40	102.27 2.49 -28.77	94.45 2.20 -21.23	91.96 2.27 -18.74	89.45 2.07 -16.15	86.86 1.92 -13.84	86.19 1.85 -13.25	85.22 1.56 -12.70	85.16 1.56 -12.72	88.12 2.13 -14.82	85.98 2.35 -12.46	117.64 3.78 -17.04	118.00 3.91 -16.38	94.51 2.97 -17.32	93.30 2.65 -17.04	89.88 2.06 -16.72	88.05 1.78 -15.25	87.99 1.84 -15.19



CORONA_69_KV_TB1 355595	146.23 7.84 -67.74	139.42 7.15 -66.08	132.33 6.01 -69.11	126.96 5.59 -63.76	135.18 6.13 -66.46	145.22 7.36 -67.05	162.73 6.90 -84.73	198.23 7.74 -119.47	165.18 7.88 -86.27	158.49 8.09 -79.45	148.18 8.69 -68.25	145.53 8.67 -65.76	144.75 8.39 -65.26	145.38 8.37 -66.06	148.22 8.43 -68.91	150.66 8.61 -70.88	141.89 8.61 -62.12	218.13 12.20 -109.11	203.70 12.12 -93.87	199.19 9.13 -115.83	172.90 8.91 -90.39	170.53 8.53 -90.91	145.45 8.66 -65.77	147.87 8.44 -68.48
CORTLAND_115KV_TB3 80093	84.98 0.92 -13.41	80.00 0.73 -13.08	71.53 0.63 -13.68	70.93 0.69 -12.62	76.50 0.75 -13.16	85.28 1.20 -13.28	89.58 1.71 -16.78	96.31 1.63 -23.65	89.69 1.42 -17.25	87.92 1.56 -15.41	85.94 1.42 -13.28	83.76 1.28 -11.38	83.20 1.21 -10.89	82.46 1.06 -10.45	82.33 0.99 -10.46	84.77 1.42 -12.18	82.98 1.57 -10.25	113.20 2.61 -13.76	113.58 2.64 -13.24	90.23 2.00 -14.01	89.16 1.77 -13.78	86.13 1.28 -13.75	84.63 1.07 -12.54	84.58 1.14 -12.49
COXSACKIE___GT 23611	159.60 5.79 -83.15	152.53 5.23 -81.12	146.57 4.52 -84.83	140.55 4.66 -78.27	148.87 4.70 -81.58	158.92 5.81 -82.31	181.37 6.26 -104.01	223.65 5.97 -146.66	193.85 5.97 -116.86	171.18 5.11 -95.12	158.07 4.77 -82.06	146.01 4.48 -70.43	143.46 4.84 -67.53	140.26 4.54 -64.77	139.25 3.97 -64.40	150.42 4.49 -74.77	173.39 5.48 -96.75	191.80 9.01 -85.98	196.54 7.63 -91.20	174.64 5.94 -94.48	175.57 5.89 -96.07	161.39 5.05 -85.25	154.04 5.26 -77.76	153.52 5.11 -77.46
CPV_VALLEY___CC1 323721	133.54 4.10 -58.80	127.18 3.64 -57.36	120.35 3.14 -59.98	116.01 3.05 -55.34	123.65 3.38 -57.68	132.97 3.96 -58.20	148.69 4.05 -73.54	179.12 4.40 -103.70	150.54 4.61 -74.91	144.33 4.61 -68.77	135.09 4.85 -59.00	126.10 4.69 -50.31	123.54 4.69 -47.75	121.43 4.68 -45.80	122.66 4.60 -47.17	131.70 4.77 -55.77	150.61 4.70 -74.74	193.58 6.59 -90.17	166.10 6.65 -61.74	148.94 5.05 -69.67	138.07 4.93 -59.53	136.07 4.69 -60.28	130.69 4.69 -54.98	130.19 4.47 -54.77
CPV_VALLEY___CC2 323722	133.54 4.10 -58.80	127.18 3.64 -57.36	120.35 3.14 -59.98	116.01 3.05 -55.34	123.65 3.38 -57.68	132.97 3.96 -58.20	148.69 4.05 -73.54	179.12 4.40 -103.70	150.54 4.61 -74.91	144.33 4.61 -68.77	135.09 4.85 -59.00	126.10 4.69 -50.31	123.54 4.69 -47.75	121.43 4.68 -45.80	122.66 4.60 -47.17	131.70 4.77 -55.77	150.61 4.70 -74.74	193.58 6.59 -90.17	166.10 6.65 -61.74	148.94 5.05 -69.67	138.07 4.93 -59.53	136.07 4.69 -60.28	130.69 4.69 -54.98	130.19 4.47 -54.77
CRESCENT___HYD 24018	164.24 3.88 -89.71	157.41 3.70 -87.51	152.00 3.26 -91.52	145.39 3.34 -84.44	154.29 3.69 -88.01	163.71 4.11 -88.80	187.57 4.27 -112.21	233.36 4.12 -158.22	225.52 4.26 -150.24	177.39 4.11 -102.32	163.78 4.20 -88.33	151.10 4.12 -75.88	148.00 4.05 -72.85	144.79 3.97 -69.87	144.22 4.18 -69.16	155.54 4.27 -80.11	203.40 4.41 -127.82	214.69 6.10 -111.77	227.56 6.26 -123.59	204.95 4.68 -126.05	208.11 4.57 -129.94	167.40 4.34 -91.97	159.17 4.26 -83.89	158.63 4.11 -83.56
CRICKET___VALLEY_CC1 323756	147.50 5.02 -71.83	140.83 4.56 -70.07	134.50 4.00 -73.28	129.20 3.97 -67.61	137.51 4.44 -70.47	147.08 5.17 -71.10	166.21 5.26 -89.85	203.18 5.47 -126.69	168.91 5.68 -92.21	160.77 5.68 -84.14	149.24 5.84 -72.16	138.35 5.76 -61.50	135.12 5.69 -58.33	132.58 5.68 -55.95	134.45 5.81 -57.76	145.36 5.84 -68.36	170.27 5.90 -93.20	218.77 8.13 -113.82	182.62 8.30 -76.61	167.19 6.24 -86.73	153.12 6.04 -73.48	150.50 5.76 -73.64	143.80 5.61 -67.17	143.25 5.39 -66.91
CRICKET___VALLEY_CC2 323757	147.50 5.02 -71.83	140.83 4.56 -70.07	134.50 4.00 -73.28	129.20 3.97 -67.61	137.51 4.44 -70.47	147.08 5.17 -71.10	166.21 5.26 -89.85	203.18 5.47 -126.69	168.91 5.68 -92.21	160.77 5.68 -84.14	149.24 5.84 -72.16	138.35 5.76 -61.50	135.12 5.69 -58.33	132.58 5.68 -55.95	134.45 5.81 -57.76	145.36 5.84 -68.36	170.27 5.90 -93.20	218.77 8.13 -113.82	182.62 8.30 -76.61	167.19 6.24 -86.73	153.12 6.04 -73.48	150.50 5.76 -73.64	143.80 5.61 -67.17	143.25 5.39 -66.91
CRICKET___VALLEY_CC3 323758	147.50 5.02 -71.83	140.83 4.56 -70.07	134.50 4.00 -73.28	129.20 3.97 -67.61	137.51 4.44 -70.47	147.08 5.17 -71.10	166.21 5.26 -89.85	203.18 5.47 -126.69	168.91 5.68 -92.21	160.77 5.68 -84.14	149.24 5.84 -72.16	138.35 5.76 -61.50	135.12 5.69 -58.33	132.58 5.68 -55.95	134.45 5.81 -57.76	145.36 5.84 -68.36	170.27 5.90 -93.20	218.77 8.13 -113.82	182.62 8.30 -76.61	167.19 6.24 -86.73	153.12 6.04 -73.48	150.50 5.76 -73.64	143.80 5.61 -67.17	143.25 5.39 -66.91
CRUCIBLE_METL_DRP 24180	78.52 -0.14 -8.01	73.67 -0.33 -7.81	65.16 -0.23 -8.17	64.98 -0.17 -7.54	70.26 -0.19 -7.86	78.80 0.07 -7.93	81.61 0.50 -10.02	85.57 0.43 -14.13	79.86 0.28 -8.55	80.65 0.50 -9.20	79.53 0.36 -7.93	78.18 0.28 -6.80	77.81 0.21 -6.50	77.26 0.07 -6.24	77.20 0.07 -6.24	78.79 0.36 -7.27	77.64 0.36 -6.12	103.94 0.87 -6.25	104.56 0.88 -5.98	81.40 0.74 -6.43	80.43 0.52 -6.31	79.52 0.21 -8.21	78.51 0.00 -7.49	78.41 0.00 -7.46
DAHOWA___HYDRO 323763	167.06 5.37 -91.04	160.10 5.10 -88.81	154.44 4.35 -92.88	147.74 4.44 -85.69	156.79 4.89 -89.32	165.81 4.88 -90.12	190.16 5.19 -113.88	236.77 5.18 -160.57	235.00 5.18 -158.80	179.60 4.89 -103.76	165.75 4.91 -89.59	152.84 4.76 -76.98	149.51 4.48 -73.93	146.26 4.40 -70.91	145.58 4.60 -70.10	157.36 5.05 -81.14	212.30 5.34 -135.79	222.40 7.35 -118.22	237.23 7.52 -132.00	214.05 5.64 -134.18	218.03 5.67 -138.75	170.40 5.97 -93.33	161.91 5.75 -85.13	161.22 5.46 -84.80
DANC___LFGE 323619	74.94 -0.21 -4.50	70.12 -0.46 -4.39	61.41 -0.40 -4.59	61.51 -0.34 -4.24	66.76 -0.25 -4.42	75.12 -0.14 -4.46	77.09 0.36 -5.63	79.53 0.57 -7.94	76.11 0.29 -4.81	76.30 0.21 -5.14	76.18 0.50 -4.43	75.19 0.29 -3.81	75.04 0.29 -3.66	74.67 0.21 -3.51	74.57 0.21 -3.47	75.55 0.36 -4.02	74.97 0.36 -3.44	97.66 0.77 -0.07	99.45 1.18 -0.57	78.32 0.74 -3.35	77.89 0.74 -3.55	76.07 0.36 -4.62	75.30 0.07 -4.21	75.15 0.00 -4.20
DANSKAMMER___1 23586	144.60 6.43 -67.52	137.81 5.76 -65.86	131.02 4.92 -68.88	126.00 4.84 -63.55	134.15 5.32 -66.24	144.01 6.38 -66.83	162.16 6.61 -84.45	197.07 6.96 -119.08	164.45 7.10 -86.33	157.07 7.03 -79.10	146.20 7.12 -67.83	135.80 6.89 -57.81	132.82 6.89 -54.83	130.35 6.81 -52.59	131.85 6.66 -54.30	142.34 6.90 -64.27	165.77 7.26 -87.34	213.78 10.07 -106.90	179.56 10.16 -71.69	163.18 7.72 -81.24	149.96 7.65 -68.70	147.43 7.11 -69.22	141.12 6.96 -63.14	140.59 6.74 -62.89
DANSKAMMER___2 23589	144.60 6.43 -67.52	137.81 5.76 -65.86	131.02 4.92 -68.88	126.00 4.84 -63.55	134.15 5.32 -66.24	144.01 6.38 -66.83	162.16 6.61 -84.45	197.07 6.96 -119.08	164.45 7.10 -86.33	157.07 7.03 -79.10	146.20 7.12 -67.83	135.80 6.89 -57.81	132.82 6.89 -54.83	130.35 6.81 -52.59	131.85 6.66 -54.30	142.34 6.90 -64.27	165.77 7.26 -87.34	213.78 10.07 -106.90	179.56 10.16 -71.69	163.18 7.72 -81.24	149.96 7.65 -68.70	147.43 7.11 -69.22	141.12 6.96 -63.14	140.59 6.74 -62.89
DANSKAMMER___3 23590	144.60 6.43 -67.52	137.81 5.76 -65.86	131.02 4.92 -68.88	126.00 4.84 -63.55	134.15 5.32 -66.24	144.01 6.38 -66.83	162.16 6.61 -84.45	197.07 6.96 -119.08	164.45 7.10 -86.33	157.07 7.03 -79.10	146.20 7.12 -67.83	135.80 6.89 -57.81	132.82 6.89 -54.83	130.35 6.81 -52.59	131.85 6.66 -54.30	142.34 6.90 -64.27	165.77 7.26 -87.34	213.78 10.07 -106.90	179.56 10.16 -71.69	163.18 7.72 -81.24	149.96 7.65 -68.70	147.43 7.11 -69.22	141.12 6.96 -63.14	140.59 6.74 -62.89



DANSKAMMER___4 23591	144.60 6.43 -67.52	137.81 5.76 -65.86	131.02 4.92 -68.88	126.00 4.84 -63.55	134.15 5.32 -66.24	144.01 6.38 -66.83	162.16 6.61 -84.45	197.07 6.96 -119.08	164.45 7.10 -86.33	157.07 7.03 -79.10	146.20 7.12 -67.83	135.80 6.89 -57.81	132.82 6.89 -54.83	130.35 6.81 -52.59	131.85 6.66 -54.30	142.34 6.90 -64.27	165.77 7.26 -87.34	213.78 10.07 -106.90	179.56 10.16 -71.69	163.18 7.72 -81.24	149.96 7.65 -68.70	147.43 7.11 -69.22	141.12 6.96 -63.14	140.59 6.74 -62.89
DANSKAMMER___DIESEL 23592	144.67 6.50 -67.52	137.88 5.82 -65.86	131.08 4.98 -68.88	126.12 4.95 -63.55	134.21 5.38 -66.24	144.01 6.37 -66.83	162.16 6.61 -84.45	197.06 6.96 -119.08	164.53 7.17 -86.33	157.21 7.17 -79.10	146.20 7.12 -67.83	135.80 6.90 -57.81	132.61 6.68 -54.83	130.21 6.67 -52.59	131.85 6.66 -54.30	142.41 6.97 -64.27	130.09 7.33 -51.60	213.78 10.07 -106.90	179.66 10.26 -71.69	163.26 7.79 -81.24	149.96 7.66 -68.70	147.43 7.11 -69.22	141.12 6.96 -63.14	140.51 6.67 -62.89
DARBY___SOLAR 323810	166.51 5.02 -90.85	159.58 4.77 -88.62	154.02 4.12 -92.68	147.27 4.15 -85.51	156.35 4.63 -89.12	165.40 4.67 -89.93	189.71 4.98 -113.64	236.15 4.90 -160.23	233.71 4.97 -157.71	179.18 4.68 -103.55	165.35 4.70 -89.41	152.47 4.55 -76.82	149.14 4.27 -73.78	145.90 4.19 -70.76	145.31 4.47 -69.96	156.99 4.84 -80.98	211.06 5.13 -134.76	221.14 6.97 -117.34	235.77 7.13 -130.94	212.78 5.42 -133.14	216.62 5.37 -137.64	169.85 5.62 -93.14	161.37 5.39 -84.95	160.75 5.18 -84.62
DASHVILLE___HYD 23610	148.27 7.84 -69.78	141.14 6.88 -68.07	134.30 5.89 -71.19	129.17 5.88 -65.68	137.49 6.45 -68.45	147.59 7.72 -69.07	166.55 8.18 -87.28	202.61 8.52 -123.06	171.69 8.74 -91.93	160.58 8.51 -81.12	149.13 8.19 -69.70	138.52 7.89 -59.53	135.30 7.54 -56.66	132.89 7.59 -54.35	133.84 7.51 -55.44	144.50 8.11 -65.22	133.46 8.97 -53.32	207.24 12.59 -97.83	184.92 12.51 -74.71	165.98 9.50 -82.26	156.91 9.35 -73.95	151.09 8.46 -71.53	144.44 8.17 -65.25	143.89 7.95 -65.00
DEERFIELD_69_KV_DEERFIELD LD 355887	148.42 10.03 -67.74	141.27 9.00 -66.08	133.99 7.67 -69.11	128.34 6.97 -63.76	136.75 7.70 -66.45	147.27 9.42 -67.05	164.14 8.32 -84.73	199.93 9.45 -119.47	166.45 9.16 -86.27	159.69 9.29 -79.44	148.54 9.05 -68.24	145.81 8.96 -65.75	144.89 8.53 -65.26	146.02 9.01 -66.05	149.00 9.21 -68.90	151.58 9.54 -70.88	143.17 9.89 -62.11	220.26 14.33 -109.11	205.94 14.36 -93.87	200.66 10.61 -115.83	165.37 10.30 -81.46	159.38 10.10 -78.19	146.94 10.16 -65.76	150.29 10.86 -68.48
DELAWARE___LFGE 323621	104.60 3.04 -30.91	99.06 2.71 -30.16	91.04 2.29 -31.54	89.02 2.30 -29.10	95.49 2.57 -30.33	104.52 3.12 -30.60	113.18 3.41 -38.67	129.02 3.48 -54.52	120.00 3.41 -45.57	110.09 3.62 -35.52	105.41 3.56 -30.61	100.82 3.48 -26.24	99.54 3.34 -25.10	98.22 3.19 -24.08	98.18 3.19 -24.11	102.75 3.49 -28.10	98.42 3.63 -23.62	140.10 5.03 -38.25	139.84 5.28 -36.86	116.89 4.01 -38.66	115.51 3.83 -38.08	106.27 3.48 -31.69	103.27 3.34 -28.91	102.94 3.19 -28.80
DERFIELD_115KV_TB7 355931	71.29 0.64 0.00	66.79 0.60 0.00	57.73 0.51 0.00	58.13 0.52 0.00	63.16 0.56 0.00	71.51 0.71 0.00	71.81 0.71 0.00	71.73 0.71 0.00	71.73 0.71 0.00	71.73 0.78 0.00	72.03 0.78 0.00	71.88 0.78 0.00	71.88 0.78 0.00	71.66 0.71 0.00	71.59 0.71 0.00	71.95 0.78 0.00	71.95 0.78 0.00	99.23 1.16 -1.25	100.17 1.17 -1.29	75.11 0.89 0.00	74.42 0.81 0.00	71.88 0.78 0.00	71.80 0.78 0.00	71.66 0.71 0.00
DOGLEVILLE___HYD 23807	72.84 2.19 0.00	68.17 1.98 0.00	58.93 1.71 0.00	59.29 1.67 0.00	64.47 1.88 0.00	73.00 2.20 0.00	73.30 2.21 0.00	73.22 2.20 0.00	73.15 2.13 0.00	73.08 2.13 0.00	73.45 2.21 0.00	73.23 2.13 0.00	73.30 2.21 0.00	73.01 2.06 0.00	72.94 2.06 0.00	73.37 2.21 0.00	73.30 2.13 0.00	101.17 3.10 -1.25	102.22 3.22 -1.29	76.60 2.37 0.00	75.89 2.28 0.00	73.37 2.27 0.00	73.36 2.34 0.00	73.22 2.27 0.00
DUNKIRK___115KV_TB_200 55889	77.64 -5.30 -12.29	73.15 -5.03 -11.99	65.52 -4.23 -12.54	65.09 -4.09 -11.57	69.95 -4.69 -12.05	78.08 -4.89 -12.16	82.41 -4.05 -15.37	87.44 -5.26 -21.67	80.46 -5.82 -15.26	80.03 -5.04 -14.11	77.99 -5.41 -12.16	75.69 -5.83 -10.43	75.10 -5.97 -9.98	74.21 -6.31 -9.57	74.08 -6.38 -9.58	76.92 -5.41 -11.16	75.43 -5.12 -9.39	103.73 -5.62 -12.53	103.81 -5.96 -12.06	82.68 -4.31 -12.76	81.01 -5.15 -12.56	78.22 -5.47 -12.60	77.04 -5.47 -11.49	78.00 -4.40 -11.45
DUNKIRK___1 23563	77.64 -5.30 -12.29	73.15 -5.03 -11.99	65.52 -4.23 -12.54	65.09 -4.09 -11.57	69.95 -4.69 -12.05	78.08 -4.89 -12.16	82.41 -4.05 -15.37	87.44 -5.26 -21.67	80.46 -5.82 -15.26	80.03 -5.04 -14.11	77.99 -5.41 -12.16	75.69 -5.83 -10.43	75.10 -5.97 -9.98	74.21 -6.31 -9.57	74.08 -6.38 -9.58	76.92 -5.41 -11.16	75.43 -5.12 -9.39	103.73 -5.62 -12.53	103.81 -5.96 -12.06	82.68 -4.31 -12.76	81.01 -5.15 -12.56	78.22 -5.47 -12.60	77.04 -5.47 -11.49	78.00 -4.40 -11.45
DUNKIRK___2 23564	77.64 -5.30 -12.29	73.15 -5.03 -11.99	65.52 -4.23 -12.54	65.09 -4.09 -11.57	69.95 -4.69 -12.05	78.08 -4.89 -12.16	82.41 -4.05 -15.37	87.44 -5.26 -21.67	80.46 -5.82 -15.26	80.03 -5.04 -14.11	77.99 -5.41 -12.16	75.69 -5.83 -10.43	75.10 -5.97 -9.98	74.21 -6.31 -9.57	74.08 -6.38 -9.58	76.92 -5.41 -11.16	75.43 -5.12 -9.39	103.73 -5.62 -12.53	103.81 -5.96 -12.06	82.68 -4.31 -12.76	81.01 -5.15 -12.56	78.22 -5.47 -12.60	77.04 -5.47 -11.49	78.00 -4.40 -11.45
DUNKIRK___3 23565	77.21 -5.58 -12.14	72.74 -5.30 -11.84	65.08 -4.52 -12.38	64.72 -4.32 -11.43	69.56 -4.94 -11.91	77.58 -5.24 -12.02	81.87 -4.41 -15.18	86.75 -5.68 -21.41	79.83 -6.25 -15.06	79.50 -5.39 -13.94	77.42 -5.84 -12.02	75.14 -6.26 -10.30	74.56 -6.40 -9.86	73.74 -6.67 -9.45	73.61 -6.73 -9.46	76.36 -5.84 -11.03	74.89 -5.55 -9.28	102.90 -6.29 -12.37	103.07 -6.55 -11.91	82.00 -4.82 -12.60	80.42 -5.59 -12.40	77.64 -5.90 -12.44	76.55 -5.82 -11.35	77.43 -4.82 -11.31
DUNKIRK___4 23566	77.21 -5.58 -12.14	72.74 -5.30 -11.84	65.08 -4.52 -12.38	64.72 -4.32 -11.43	69.56 -4.94 -11.91	77.58 -5.24 -12.02	81.87 -4.41 -15.18	86.75 -5.68 -21.41	79.83 -6.25 -15.06	79.50 -5.39 -13.94	77.42 -5.84 -12.02	75.14 -6.26 -10.30	74.56 -6.40 -9.86	73.74 -6.67 -9.45	73.61 -6.73 -9.46	76.36 -5.84 -11.03	74.89 -5.55 -9.28	102.90 -6.29 -12.37	103.07 -6.55 -11.91	82.00 -4.82 -12.60	80.42 -5.59 -12.40	77.64 -5.90 -12.44	76.55 -5.82 -11.35	77.43 -4.82 -11.31
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	144.73 6.36 -67.72	137.88 5.63 -66.06	131.11 4.81 -69.09	126.08 4.72 -63.74	134.23 5.20 -66.44	143.86 6.02 -67.04	161.85 6.04 -84.71	197.14 6.68 -119.44	164.23 6.96 -86.25	157.54 7.17 -79.43	146.61 7.27 -68.10	136.29 7.18 -58.02	133.06 6.97 -55.00	130.65 6.95 -52.75	132.46 7.02 -54.56	142.99 7.19 -64.64	130.11 7.19 -51.75	215.78 9.88 -109.08	179.54 9.97 -71.87	163.57 7.57 -81.78	149.58 7.43 -68.54	147.57 7.04 -69.43	141.31 6.96 -63.33	140.70 6.67 -63.08
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	141.92 5.86 -65.40	135.22 5.23 -63.80	128.40 4.46 -66.72	123.61 4.44 -61.56	131.58 4.82 -64.16	141.21 5.66 -64.74	158.73 5.83 -81.81	192.62 6.25 -115.35	161.14 6.46 -83.66	154.05 6.53 -76.57	143.33 6.41 -65.67	133.41 6.33 -55.98	130.25 6.04 -53.11	127.92 6.03 -50.94	129.52 6.10 -52.55	139.66 6.33 -62.16	127.77 6.62 -49.98	208.17 9.00 -102.35	176.28 9.28 -69.29	159.63 7.05 -78.36	147.11 6.92 -66.58	144.62 6.47 -67.05	138.50 6.32 -61.16	137.90 6.03 -60.92



E179THST_138_KV_TB4_REV_LBMP_J 345001	145.17 6.78 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.44 5.07 -63.76	134.56 5.51 -66.46	144.08 6.23 -67.04	162.13 6.33 -84.71	197.49 7.03 -119.44	164.59 7.32 -86.25	157.97 7.59 -79.42	146.96 7.62 -68.10	136.73 7.61 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.90 7.44 -54.58	143.36 7.54 -64.65	130.46 7.54 -51.75	216.17 10.26 -109.09	180.03 10.45 -71.87	163.94 7.94 -81.78	150.18 8.02 -68.55	148.07 7.54 -69.44	141.82 7.46 -63.34	141.21 7.17 -63.10
E179THST_13_KV_LOAD 356214	145.52 7.14 -67.74	138.55 6.29 -66.08	131.70 5.38 -69.11	126.67 5.30 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	162.42 6.61 -84.71	197.85 7.39 -119.44	164.94 7.67 -86.25	158.32 7.95 -79.42	147.32 7.98 -68.10	137.09 7.96 -58.03	133.86 7.75 -55.01	131.44 7.73 -52.76	133.25 7.80 -54.58	143.79 7.97 -64.65	130.89 7.97 -51.75	216.75 10.84 -109.09	180.61 11.04 -71.87	164.39 8.39 -81.78	150.62 8.46 -68.55	148.43 7.89 -69.44	142.17 7.81 -63.34	141.57 7.52 -63.10
EAST HAMPTON___GT 23717	148.07 9.68 -67.74	140.94 8.67 -66.08	133.76 7.43 -69.11	127.99 6.62 -63.76	136.43 7.38 -66.45	146.99 9.14 -67.05	164.00 8.17 -84.73	199.72 9.23 -119.47	166.24 8.95 -86.27	159.12 8.72 -79.44	147.61 8.12 -68.24	145.16 8.31 -65.75	144.39 8.03 -65.26	145.52 8.51 -66.05	148.43 8.64 -68.90	151.01 8.97 -70.88	179.04 9.39 -98.48	219.59 13.65 -109.11	205.36 13.78 -93.87	200.07 10.02 -115.83	164.85 9.79 -81.46	158.82 9.53 -78.19	146.31 9.52 -65.76	150.07 10.64 -68.48
EAST RIVER___6 23660	145.09 6.72 -67.72	138.14 5.89 -66.06	131.34 5.04 -69.09	126.20 4.84 -63.74	134.41 5.38 -66.44	144.07 6.23 -67.03	162.13 6.33 -84.71	197.56 7.10 -119.44	164.87 7.60 -86.25	158.11 7.73 -79.42	147.24 7.91 -68.09	137.00 7.89 -58.02	133.91 7.82 -55.00	131.50 7.80 -52.75	133.17 7.73 -54.56	143.63 7.83 -64.64	167.03 7.76 -88.11	216.55 10.65 -109.08	180.32 10.75 -71.87	164.16 8.16 -81.78	150.09 7.95 -68.54	148.21 7.68 -69.43	141.87 7.52 -63.33	141.34 7.31 -63.08
EAST RIVER___7 23524	145.09 6.72 -67.72	138.14 5.89 -66.06	131.34 5.04 -69.09	126.20 4.84 -63.74	134.41 5.38 -66.44	144.07 6.23 -67.03	162.13 6.33 -84.71	197.56 7.10 -119.44	164.87 7.60 -86.25	158.11 7.73 -79.42	147.24 7.91 -68.09	137.00 7.89 -58.02	133.91 7.82 -55.00	131.50 7.80 -52.75	133.17 7.73 -54.56	143.63 7.83 -64.64	167.03 7.76 -88.11	216.55 10.65 -109.08	180.32 10.75 -71.87	164.16 8.16 -81.78	150.09 7.95 -68.54	148.21 7.68 -69.43	141.87 7.52 -63.33	141.34 7.31 -63.08
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	144.32 6.08 -67.59	137.55 5.43 -65.94	130.81 4.63 -68.96	125.78 4.55 -63.62	133.91 5.01 -66.31	143.52 5.81 -66.91	161.54 5.90 -84.55	196.69 6.46 -119.21	163.78 6.68 -86.08	157.10 6.88 -79.27	146.19 6.98 -67.96	135.90 6.90 -57.90	132.67 6.67 -54.89	130.27 6.73 -52.64	132.07 6.90 -54.46	142.58 6.90 -64.51	129.72 6.90 -51.65	215.11 9.49 -108.80	179.00 9.58 -71.72	163.10 7.27 -81.60	149.15 7.14 -68.40	147.15 6.75 -69.29	140.90 6.68 -63.21	140.30 6.39 -62.96
EAST_HAMPTON___DIESEL 23722	147.92 9.53 -67.74	140.81 8.54 -66.08	133.65 7.33 -69.11	127.88 6.51 -63.76	136.30 7.26 -66.45	146.85 8.99 -67.05	163.86 8.03 -84.73	199.58 9.09 -119.47	166.10 8.80 -86.27	158.98 8.58 -79.44	147.39 7.91 -68.24	145.02 8.17 -65.75	144.18 7.82 -65.26	145.37 8.37 -66.05	148.29 8.50 -68.90	150.87 8.82 -70.88	178.83 9.18 -98.48	219.30 13.37 -109.11	205.15 13.58 -93.87	199.92 9.87 -115.83	164.63 9.56 -81.46	158.67 9.38 -78.19	146.16 9.37 -65.76	149.93 10.50 -68.48
EAST_POINT___SOLAR 323840	176.45 6.29 -99.51	169.16 5.89 -97.08	163.66 4.92 -101.52	156.24 4.96 -93.67	165.73 5.51 -97.63	175.96 6.65 -98.51	202.83 7.26 -124.48	253.85 7.32 -175.51	244.74 6.67 -167.04	189.55 5.18 -113.42	174.02 4.85 -97.93	159.01 3.77 -84.15	155.11 3.20 -80.81	151.66 3.20 -77.51	151.40 3.90 -76.63	165.56 5.70 -88.69	219.37 6.83 -141.37	228.81 9.77 -122.22	245.07 10.16 -137.20	221.62 7.79 -139.60	226.13 7.95 -144.57	180.51 7.39 -102.02	170.90 6.82 -93.06	170.04 6.39 -92.70
EAST_PULASKI___ESR 323781	74.51 -1.20 -5.06	69.87 -1.26 -4.94	61.29 -1.09 -5.16	61.34 -1.04 -4.76	66.43 -1.12 -4.97	74.61 -1.20 -5.01	76.65 -0.78 -6.33	79.17 -0.78 -8.93	75.50 -0.93 -5.41	75.73 -0.99 -5.77	75.58 -0.64 -4.98	74.60 -0.78 -4.28	74.36 -0.85 -4.11	73.97 -0.92 -3.94	73.86 -0.92 -3.90	74.91 -0.78 -4.52	74.18 -0.85 -3.87	97.61 -0.87 -1.66	99.31 -0.68 -2.28	77.40 -0.60 -3.77	77.00 -0.59 -3.99	75.51 -0.78 -5.19	74.76 -0.99 -4.73	74.89 -0.78 -4.72
EAST_RIVER___1 323558	145.09 6.72 -67.72	138.14 5.89 -66.06	131.40 5.09 -69.09	126.25 4.89 -63.74	134.41 5.38 -66.44	144.07 6.23 -67.03	162.06 6.26 -84.71	197.49 7.03 -119.44	164.66 7.39 -86.25	157.97 7.60 -79.42	147.03 7.70 -68.09	136.79 7.68 -58.02	133.70 7.61 -55.00	131.29 7.60 -52.75	132.95 7.51 -54.56	143.49 7.69 -64.64	166.81 7.54 -88.11	216.36 10.46 -109.08	180.13 10.56 -71.87	163.95 7.95 -81.78	149.94 7.80 -68.54	148.14 7.61 -69.43	141.80 7.46 -63.33	141.27 7.24 -63.08
EAST_RIVER___2 323559	145.09 6.72 -67.72	138.14 5.89 -66.06	131.34 5.04 -69.09	126.20 4.84 -63.74	134.41 5.38 -66.44	144.07 6.23 -67.03	162.13 6.33 -84.71	197.56 7.10 -119.44	164.87 7.60 -86.25	158.11 7.73 -79.42	147.24 7.91 -68.09	137.00 7.89 -58.02	133.91 7.82 -55.00	131.50 7.80 -52.75	133.17 7.73 -54.56	143.63 7.83 -64.64	167.03 7.76 -88.11	216.55 10.65 -109.08	180.32 10.75 -71.87	164.16 8.16 -81.78	150.09 7.95 -68.54	148.21 7.68 -69.43	141.87 7.52 -63.33	141.34 7.31 -63.08
EAST___DELAWARE_HYD 23607	138.93 6.43 -61.85	132.15 5.62 -60.33	125.18 4.86 -63.10	120.61 4.78 -58.21	128.53 5.26 -60.68	138.47 6.44 -61.22	155.22 6.76 -77.36	187.14 7.03 -109.08	157.96 7.17 -79.77	150.00 6.88 -72.17	140.04 6.84 -61.95	130.50 6.54 -52.86	127.86 6.54 -50.23	125.51 6.39 -48.17	126.48 6.16 -49.44	136.05 6.54 -58.34	156.37 7.18 -78.02	198.34 9.88 -91.64	173.33 10.26 -65.37	155.09 7.79 -73.07	145.02 7.73 -63.68	141.48 6.97 -63.41	135.68 6.82 -57.84	135.23 6.67 -57.61
EIGHT_POINT___WT_PWR 323820	81.09 -4.73 -15.17	76.29 -4.70 -14.80	68.69 -4.01 -15.48	68.03 -3.86 -14.28	73.16 -4.32 -14.88	81.36 -4.46 -15.02	86.30 -3.77 -18.98	93.09 -4.69 -26.76	85.03 -5.25 -19.27	82.63 -5.74 -17.43	81.06 -5.20 -15.02	78.21 -5.76 -12.87	77.52 -5.90 -12.32	76.59 -6.17 -11.82	76.54 -6.17 -11.83	79.61 -5.34 -13.78	82.81 -4.77 -16.41	107.35 -5.04 -15.57	107.49 -5.18 -14.96	86.12 -3.94 -15.83	85.14 -4.05 -15.58	82.03 -4.62 -15.55	80.59 -4.62 -14.19	81.11 -3.97 -14.13
ELBRIDGE_115KV_TB2 80188	78.99 -0.35 -8.69	74.21 -0.46 -8.48	65.69 -0.40 -8.87	65.45 -0.35 -8.18	70.75 -0.38 -8.53	79.27 -0.14 -8.61	82.26 0.28 -10.87	86.57 0.21 -15.33	80.37 0.07 -9.28	81.15 0.21 -9.99	79.99 0.14 -8.60	78.47 0.00 -7.38	78.09 -0.07 -7.06	77.51 -0.21 -6.77	77.45 -0.21 -6.78	79.20 0.14 -7.89	77.95 0.14 -6.64	104.29 0.68 -6.80	104.88 0.68 -6.49	81.72 0.52 -6.98	80.75 0.29 -6.85	80.01 0.00 -8.91	78.94 -0.21 -8.13	78.91 -0.14 -8.10
ELEC_TRO_TEK 24086	145.81 7.42 -67.74	138.95 6.69 -66.08	131.99 5.66 -69.11	126.62 5.24 -63.76	134.87 5.82 -66.45	144.80 6.94 -67.05	162.30 6.47 -84.73	197.81 7.32 -119.47	164.75 7.46 -86.27	158.06 7.66 -79.44	147.75 8.26 -68.25	145.10 8.25 -65.75	144.32 7.96 -65.26	144.95 7.95 -66.06	147.79 8.01 -68.90	150.23 8.18 -70.88	141.39 8.11 -62.11	217.36 11.42 -109.11	203.11 11.53 -93.87	198.59 8.54 -115.83	167.40 8.39 -85.40	162.94 8.03 -83.81	145.03 8.24 -65.77	147.37 7.95 -68.47



ELLENBURG_WT_PWR 323604	67.82 -2.83 0.00	63.74 -2.45 0.00	55.04 -2.17 0.00	55.37 -2.25 0.00	60.22 -2.38 0.00	67.90 -2.91 0.00	67.61 -3.48 0.00	67.68 -3.34 0.00	67.61 -3.41 0.00	67.62 -3.33 0.00	67.39 -3.85 0.00	67.40 -3.70 0.00	67.47 -3.62 0.00	67.48 -3.48 0.00	67.48 -3.40 0.00	67.32 -3.84 0.00	67.32 -3.84 0.00	68.82 -5.71 22.28	68.87 -5.76 23.07	70.00 -4.23 0.00	69.56 -4.05 0.00	67.69 -3.41 0.00	67.68 -3.34 0.00	68.18 -2.77 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	76.22 -6.22 -11.79	71.87 -5.82 -11.50	64.27 -4.98 -12.03	63.99 -4.72 -11.10	68.78 -5.38 -11.57	76.67 -5.81 -11.67	80.72 -5.12 -14.75	85.35 -6.46 -20.79	78.57 -7.03 -14.58	78.32 -6.17 -13.54	76.29 -6.63 -11.67	74.06 -7.04 -10.00	73.49 -7.18 -9.57	72.68 -7.45 -9.18	72.49 -7.58 -9.19	75.18 -6.69 -10.71	73.77 -6.40 -9.01	101.27 -7.55 -12.01	101.45 -7.82 -11.56	80.66 -5.79 -12.23	79.09 -6.55 -12.04	76.36 -6.83 -12.09	75.37 -6.68 -11.02	76.26 -5.68 -10.98
EMPIRE_CC_1 323656	159.93 3.04 -86.25	153.23 2.91 -84.13	147.72 2.51 -87.99	141.44 2.65 -81.18	150.09 2.88 -84.61	159.37 3.19 -85.37	182.25 3.27 -107.88	226.05 2.91 -152.11	191.86 3.20 -117.64	172.45 3.12 -98.38	159.45 3.28 -84.92	147.25 3.20 -72.95	144.34 3.20 -70.04	141.32 3.20 -67.18	140.78 3.40 -66.49	151.39 3.21 -77.02	168.16 3.28 -93.72	179.65 4.55 -78.28	191.95 4.59 -89.65	169.72 3.49 -92.01	172.67 3.32 -95.75	162.57 3.06 -88.42	154.79 3.12 -80.65	154.27 2.98 -80.34
EMPIRE_CC_2 323658	159.93 3.04 -86.25	153.23 2.91 -84.13	147.72 2.51 -87.99	141.44 2.65 -81.18	150.09 2.88 -84.61	159.37 3.19 -85.37	182.25 3.27 -107.88	226.05 2.91 -152.11	191.86 3.20 -117.64	172.45 3.12 -98.38	159.45 3.28 -84.92	147.25 3.20 -72.95	144.34 3.20 -70.04	141.32 3.20 -67.18	140.78 3.40 -66.49	151.39 3.21 -77.02	168.16 3.28 -93.72	179.65 4.55 -78.28	191.95 4.59 -89.65	169.72 3.49 -92.01	172.67 3.32 -95.75	162.57 3.06 -88.42	154.79 3.12 -80.65	154.27 2.98 -80.34
ENORWICH_115KV_TB1 80156	98.70 5.65 -22.39	92.93 4.90 -21.85	84.30 4.23 -22.85	82.95 4.26 -21.08	89.38 4.82 -21.97	99.20 6.23 -22.17	106.43 7.32 -28.01	117.97 7.46 -39.50	108.58 6.96 -30.60	103.77 7.10 -25.73	100.11 6.70 -22.17	96.64 6.54 -19.00	95.68 6.40 -18.19	94.21 5.82 -17.44	94.02 5.67 -17.46	98.13 6.62 -20.35	95.33 7.05 -17.11	132.23 10.36 -25.05	132.94 11.14 -24.09	108.00 8.39 -25.39	106.47 7.88 -24.99	100.74 6.68 -22.96	98.28 6.32 -20.94	98.05 6.24 -20.86
ERIE_ST__34_KV_TB1-2 80199	76.70 -6.22 -12.27	72.27 -5.89 -11.97	64.70 -5.04 -12.52	64.32 -4.84 -11.55	69.12 -5.51 -12.04	77.08 -5.88 -12.15	81.26 -5.19 -15.35	86.34 -6.32 -21.64	79.31 -6.96 -15.25	78.87 -6.17 -14.10	76.84 -6.55 -12.15	74.54 -6.97 -10.41	74.02 -7.04 -9.97	73.13 -7.38 -9.56	73.01 -7.44 -9.57	75.77 -6.55 -11.15	74.28 -6.26 -9.38	101.97 -7.36 -12.51	102.03 -7.72 -12.04	81.33 -5.64 -12.74	79.75 -6.40 -12.54	76.92 -6.75 -12.58	75.82 -6.68 -11.48	76.71 -5.68 -11.43
ERIE_WT_PWR 323693	76.73 -6.01 -12.08	72.35 -5.63 -11.78	64.79 -4.75 -12.32	64.55 -4.44 -11.37	69.31 -5.13 -11.85	77.17 -5.60 -11.96	81.30 -4.90 -15.11	85.94 -6.39 -21.31	79.05 -6.96 -14.99	77.45 -7.38 -13.88	76.72 -6.48 -11.96	74.38 -6.96 -10.25	73.87 -7.04 -9.81	73.05 -7.31 -9.41	72.86 -7.44 -9.42	75.59 -6.55 -10.97	77.83 -6.33 -13.00	101.97 -7.16 -12.31	102.04 -7.52 -11.85	80.98 -5.79 -12.54	79.69 -6.26 -12.34	76.73 -6.76 -12.39	75.86 -6.46 -11.30	76.81 -5.40 -11.25
ESPRGFLD_115KV_TB1 80157	74.32 3.67 0.00	69.50 3.31 0.00	59.96 2.75 0.00	60.38 2.77 0.00	65.79 3.19 0.00	74.84 4.04 0.00	75.58 4.48 0.00	75.71 4.69 0.00	120.23 4.33 -44.88	75.00 4.04 0.00	75.09 3.85 0.00	74.72 3.63 0.00	74.37 3.27 0.00	74.07 3.12 0.00	74.21 3.33 0.00	75.37 4.20 0.00	75.79 4.63 0.00	152.37 6.68 -48.87	153.42 6.84 -48.87	128.22 5.12 -48.87	127.56 5.08 -48.87	75.72 4.62 0.00	75.21 4.19 0.00	74.85 3.90 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	88.37 1.41 -16.31	83.23 1.13 -15.91	74.83 0.97 -16.64	74.00 1.04 -15.35	79.72 1.13 -16.00	88.65 1.70 -16.14	93.84 2.35 -20.40	102.06 2.27 -28.77	94.31 2.06 -21.23	91.82 2.13 -18.74	89.31 1.92 -16.15	86.72 1.78 -13.84	86.05 1.71 -13.25	85.07 1.42 -12.70	85.02 1.42 -12.72	87.98 1.99 -14.82	85.84 2.21 -12.46	117.44 3.58 -17.04	117.70 3.62 -16.38	94.36 2.82 -17.32	93.15 2.50 -17.04	89.74 1.92 -16.72	87.91 1.63 -15.25	87.85 1.70 -15.19
ETNA____115KV_TB2 80207	88.37 1.41 -16.31	83.23 1.13 -15.91	74.83 0.97 -16.64	74.00 1.04 -15.35	79.72 1.13 -16.00	88.65 1.70 -16.14	93.84 2.35 -20.40	102.06 2.27 -28.77	94.31 2.06 -21.23	91.82 2.13 -18.74	89.31 1.92 -16.15	86.72 1.78 -13.84	86.05 1.71 -13.25	85.07 1.42 -12.70	85.02 1.42 -12.72	87.98 1.99 -14.82	85.84 2.21 -12.46	117.44 3.58 -17.04	117.70 3.62 -16.38	94.36 2.82 -17.32	93.15 2.50 -17.04	89.74 1.92 -16.72	87.91 1.63 -15.25	87.85 1.70 -15.19
EUCLID____115KV_TB2 356179	75.71 -1.34 -6.40	71.11 -1.32 -6.24	62.60 -1.14 -6.53	62.54 -1.09 -6.02	67.68 -1.19 -6.28	76.01 -1.13 -6.33	78.32 -0.78 -8.00	81.45 -0.85 -11.28	76.86 -0.99 -6.83	77.47 -0.78 -7.30	76.69 -0.85 -6.30	75.51 -1.00 -5.41	75.23 -1.07 -5.20	74.80 -1.14 -4.98	74.68 -1.13 -4.93	75.95 -0.93 -5.71	75.20 -0.85 -4.89	99.69 -0.87 -3.74	101.42 -0.88 -4.59	78.32 -0.67 -4.76	77.84 -0.81 -5.04	76.59 -1.07 -6.56	75.80 -1.21 -5.98	75.71 -1.21 -5.96
E_CANADA_CAP_HY 24051	178.53 4.59 -103.29	171.19 4.24 -100.76	166.15 3.55 -105.38	158.41 3.57 -97.23	168.00 4.07 -101.34	178.01 4.95 -102.25	205.49 5.19 -129.20	258.53 5.33 -182.18	243.04 4.90 -167.12	192.68 3.97 -117.76	176.69 3.77 -101.67	161.86 3.41 -87.35	158.04 3.06 -83.88	154.38 2.98 -80.45	153.79 3.33 -79.57	167.85 4.56 -92.12	216.45 5.05 -140.23	224.93 7.27 -120.84	240.95 7.52 -135.72	218.26 5.72 -138.32	222.66 5.81 -143.24	182.61 5.62 -105.90	172.73 5.12 -96.59	171.92 4.75 -96.22
E_CANADA_MHWK_HY 24050	72.84 2.19 0.00	68.17 1.98 0.00	58.93 1.71 0.00	59.29 1.67 0.00	64.47 1.88 0.00	73.00 2.20 0.00	73.30 2.21 0.00	73.22 2.20 0.00	73.15 2.13 0.00	73.08 2.13 0.00	73.45 2.21 0.00	73.23 2.13 0.00	73.30 2.21 0.00	73.01 2.06 0.00	72.94 2.06 0.00	73.37 2.21 0.00	73.30 2.13 0.00	101.17 3.10 -1.25	102.22 3.22 -1.29	76.60 2.37 0.00	75.89 2.28 0.00	73.37 2.27 0.00	73.36 2.34 0.00	73.22 2.27 0.00
E_FISHKILL____LBMP 23776	145.16 5.51 -69.00	138.46 4.96 -67.31	131.85 4.23 -70.39	126.77 4.21 -64.95	134.92 4.63 -67.69	144.42 5.31 -68.30	162.81 5.40 -86.31	198.54 5.82 -121.70	164.93 6.04 -87.87	158.15 6.24 -80.95	146.91 6.27 -69.40	136.40 6.19 -59.12	133.17 6.04 -56.03	130.73 6.03 -53.74	132.60 6.10 -55.62	143.34 6.26 -65.91	130.16 6.26 -52.73	217.23 8.62 -111.80	179.72 8.70 -73.32	164.34 6.61 -83.51	149.91 6.48 -69.82	147.95 6.11 -70.74	141.58 6.04 -64.52	141.04 5.82 -64.27
FALCON____SEABRD_CC1 323796	68.67 -1.98 0.00	64.60 -1.59 0.00	55.79 -1.43 0.00	56.12 -1.50 0.00	60.97 -1.63 0.00	68.82 -1.98 0.00	68.18 -2.92 0.00	68.32 -2.70 0.00	68.18 -2.84 0.00	68.11 -2.84 0.00	67.90 -3.35 0.00	67.83 -3.27 0.00	67.90 -3.20 0.00	67.90 -3.05 0.00	67.91 -2.97 0.00	67.82 -3.34 0.00	67.75 -3.41 0.00	69.65 -4.93 22.23	69.61 -5.08 23.01	70.44 -3.78 0.00	70.08 -3.53 0.00	68.04 -3.06 0.00	68.11 -2.91 0.00	69.11 -1.85 0.00



FALCON___SEABRD_CC2 323797	68.67 -1.98 0.00	64.60 -1.59 0.00	55.79 -1.43 0.00	56.12 -1.50 0.00	60.97 -1.63 0.00	68.82 -1.98 0.00	68.18 -2.92 0.00	68.32 -2.70 0.00	68.18 -2.84 0.00	68.11 -2.84 0.00	67.90 -3.35 0.00	67.83 -3.27 0.00	67.90 -3.20 0.00	67.90 -3.05 0.00	67.91 -2.97 0.00	67.82 -3.34 0.00	67.75 -3.41 0.00	69.65 -4.93 22.23	69.61 -5.08 23.01	70.44 -3.78 0.00	70.08 -3.53 0.00	68.04 -3.06 0.00	68.11 -2.91 0.00	69.11 -1.85 0.00
FAR ROCKAWAY___4 23548	146.94 8.55 -67.74	140.02 7.74 -66.08	132.91 6.58 -69.11	127.48 6.11 -63.76	135.75 6.70 -66.46	145.86 8.00 -67.06	163.44 7.61 -84.73	199.02 8.52 -119.47	165.96 8.66 -86.27	159.27 8.87 -79.45	148.97 9.48 -68.25	146.24 9.38 -65.76	145.46 9.10 -65.26	146.09 9.08 -66.06	148.93 9.14 -68.91	151.37 9.32 -70.88	142.68 9.39 -62.12	219.29 13.36 -109.11	204.97 13.39 -93.87	200.00 9.95 -115.83	174.26 9.72 -90.93	172.02 9.24 -91.68	146.24 9.45 -65.77	148.58 9.15 -68.48
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	145.22 6.85 -67.72	138.28 6.02 -66.06	131.46 5.15 -69.09	126.37 5.01 -63.74	134.54 5.51 -66.44	144.14 6.30 -67.04	162.13 6.33 -84.71	197.56 7.10 -119.44	164.73 7.46 -86.25	158.11 7.73 -79.43	147.10 7.77 -68.09	136.86 7.75 -58.02	133.56 7.47 -55.00	131.22 7.52 -52.75	133.03 7.58 -54.56	143.49 7.69 -64.64	130.61 7.69 -51.75	216.36 10.46 -109.08	180.13 10.55 -71.87	164.02 8.02 -81.78	150.09 7.95 -68.54	148.13 7.61 -69.43	141.88 7.53 -63.33	141.27 7.24 -63.08
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	145.22 6.85 -67.72	138.34 6.09 -66.06	131.46 5.15 -69.09	126.37 5.01 -63.74	134.54 5.51 -66.44	144.14 6.30 -67.04	162.13 6.33 -84.71	197.56 7.10 -119.44	164.73 7.46 -86.25	158.11 7.73 -79.43	147.10 7.77 -68.09	136.86 7.75 -58.02	133.56 7.47 -55.00	131.22 7.52 -52.75	133.03 7.58 -54.56	143.49 7.69 -64.64	130.61 7.69 -51.75	216.36 10.46 -109.08	180.13 10.55 -71.87	164.09 8.09 -81.78	150.09 7.95 -68.54	148.13 7.61 -69.43	141.88 7.53 -63.33	141.27 7.24 -63.08
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	145.15 6.78 -67.72	138.28 6.02 -66.06	131.46 5.15 -69.09	126.37 5.01 -63.74	134.48 5.45 -66.44	144.07 6.23 -67.04	162.06 6.26 -84.71	197.49 7.03 -119.44	164.66 7.39 -86.25	158.04 7.66 -79.43	147.03 7.69 -68.09	136.79 7.68 -58.02	133.56 7.47 -55.00	131.15 7.45 -52.75	132.96 7.51 -54.56	143.42 7.61 -64.64	130.54 7.61 -51.75	216.26 10.36 -109.08	180.03 10.45 -71.87	164.02 8.02 -81.78	150.02 7.88 -68.54	148.06 7.54 -69.43	141.81 7.46 -63.33	141.20 7.17 -63.08
FARRAGUT___LBMP 323566	145.08 6.71 -67.72	138.21 5.96 -66.06	131.40 5.09 -69.09	126.31 4.95 -63.74	134.48 5.45 -66.44	144.07 6.23 -67.04	162.06 6.26 -84.71	197.42 6.96 -119.44	164.59 7.32 -86.25	157.97 7.59 -79.43	146.96 7.62 -68.09	136.72 7.61 -58.02	133.49 7.39 -55.00	131.08 7.38 -52.75	132.89 7.44 -54.56	143.35 7.54 -64.64	130.46 7.54 -51.75	216.16 10.26 -109.08	179.93 10.36 -71.87	163.94 7.94 -81.78	149.95 7.80 -68.54	147.99 7.47 -69.43	141.74 7.39 -63.33	141.20 7.17 -63.08
FENNER___WINDPWR 24204	81.27 1.69 -8.93	76.35 1.45 -8.71	67.58 1.26 -9.11	67.34 1.33 -8.40	72.85 1.50 -8.76	81.62 1.98 -8.84	84.75 2.49 -11.17	89.19 2.42 -15.75	84.68 2.27 -11.39	83.33 2.13 -10.26	82.36 2.28 -8.84	80.80 2.13 -7.58	80.41 2.06 -7.25	79.82 1.92 -6.95	79.68 1.84 -6.96	81.48 2.21 -8.11	82.99 2.28 -9.54	109.22 3.39 -9.01	110.02 3.62 -8.70	86.03 2.60 -9.20	85.10 2.43 -9.07	82.24 1.99 -9.15	81.21 1.84 -8.35	81.11 1.84 -8.32
FIBERTEK___ENERGY 23856	78.52 -0.14 -8.01	73.67 -0.33 -7.81	65.16 -0.23 -8.17	64.98 -0.17 -7.54	70.26 -0.19 -7.86	78.80 0.07 -7.93	81.61 0.50 -10.02	85.57 0.43 -14.13	79.86 0.28 -8.55	80.65 0.50 -9.20	79.53 0.36 -7.93	78.18 0.28 -6.80	77.81 0.21 -6.50	77.26 0.07 -6.24	77.20 0.07 -6.24	78.79 0.36 -7.27	77.64 0.36 -6.12	103.94 0.87 -6.25	104.56 0.88 -5.98	81.40 0.74 -6.43	80.43 0.52 -6.31	79.52 0.21 -8.21	78.51 0.00 -7.49	78.41 0.00 -7.46
FITZPATRICK____ 23598	71.89 -2.61 -3.86	67.44 -2.52 -3.76	58.98 -2.17 -3.93	59.11 -2.13 -3.63	64.06 -2.31 -3.78	72.08 -2.55 -3.82	73.64 -2.28 -4.82	75.48 -2.34 -6.80	72.66 -2.49 -4.13	72.80 -2.55 -4.40	72.62 -2.42 -3.80	71.87 -2.49 -3.26	71.74 -2.49 -3.13	71.40 -2.55 -3.00	71.23 -2.62 -2.97	72.19 -2.42 -3.44	71.69 -2.42 -2.95	96.07 -3.00 -2.26	97.44 -3.03 -2.77	74.72 -2.38 -2.87	74.22 -2.43 -3.04	72.56 -2.49 -3.95	72.07 -2.55 -3.61	72.06 -2.49 -3.59
FLOWRFLD_69_KV_BK1 356044	147.78 9.40 -67.74	140.81 8.54 -66.08	133.59 7.27 -69.11	128.00 6.63 -63.76	136.37 7.32 -66.45	146.71 8.85 -67.05	163.50 7.68 -84.73	199.08 8.59 -119.47	165.74 8.45 -86.27	159.19 8.80 -79.44	149.03 9.55 -68.24	146.52 9.67 -65.75	145.60 9.24 -65.26	146.37 9.37 -66.05	149.21 9.43 -68.90	151.65 9.61 -70.88	142.82 9.54 -62.11	219.87 13.94 -109.11	205.55 13.97 -93.87	200.29 10.24 -115.83	165.02 9.94 -81.47	159.26 9.95 -78.21	147.08 10.30 -65.76	149.72 10.29 -68.48
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	145.10 6.64 -67.81	138.23 5.89 -66.15	131.49 5.09 -69.18	126.51 5.07 -63.83	134.63 5.51 -66.53	144.38 6.44 -67.13	162.68 6.75 -84.82	197.73 7.10 -119.60	165.00 7.32 -86.67	157.72 7.31 -79.46	146.58 7.20 -68.14	136.21 7.04 -58.07	132.99 6.83 -55.07	130.58 6.81 -52.82	132.24 6.80 -54.56	142.87 7.12 -64.59	130.46 7.47 -51.82	214.81 10.26 -107.73	180.08 10.36 -72.02	163.84 7.94 -81.67	150.29 7.73 -68.96	147.87 7.25 -69.52	141.47 7.03 -63.41	140.93 6.81 -63.17
FORT ORANGE____ 23900	161.39 2.83 -87.91	154.60 2.65 -85.76	149.20 2.29 -89.69	142.78 2.42 -82.75	151.03 2.19 -86.25	160.37 2.55 -87.02	183.62 2.56 -109.97	228.41 2.34 -155.05	202.46 2.63 -128.81	173.58 2.48 -100.15	160.36 2.64 -86.48	148.05 2.63 -74.32	145.48 2.99 -71.39	142.33 2.91 -68.47	140.72 2.20 -67.64	151.63 2.21 -78.26	177.20 2.07 -103.97	186.40 3.29 -86.29	201.13 2.84 -100.59	178.97 2.22 -102.52	183.02 2.14 -107.28	163.29 2.06 -90.13	155.71 2.48 -82.21	155.18 2.34 -81.89
FORT_DRUM_COGEN 23780	74.93 0.71 -3.58	70.08 0.40 -3.49	61.21 0.34 -3.65	61.33 0.35 -3.37	66.67 0.56 -3.51	75.27 0.92 -3.54	77.28 1.71 -4.48	79.46 2.13 -6.31	76.62 1.78 -3.82	76.81 1.77 -4.08	76.55 1.78 -3.52	75.55 1.42 -3.03	75.42 1.42 -2.91	75.16 1.42 -2.79	75.06 1.42 -2.76	76.07 1.71 -3.20	75.68 1.78 -2.73	97.19 2.61 2.24	99.01 3.22 1.92	79.19 2.30 -2.66	78.63 2.21 -2.82	76.26 1.49 -3.67	75.50 1.14 -3.35	75.06 0.78 -3.33
FOX_HILLS___ESR 323835	373.33 7.14 -295.54	275.57 6.49 -202.89	132.12 5.66 -69.24	127.02 5.65 -63.76	135.26 6.07 -66.59	250.53 7.08 -172.65	377.06 7.18 -298.79	379.92 7.67 -301.23	356.26 7.81 -277.43	460.60 8.02 -381.64	168.41 8.05 -89.12	169.76 7.96 -90.70	170.56 7.75 -91.71	172.82 7.73 -94.13	171.28 7.80 -92.60	164.40 7.97 -85.26	132.99 8.04 -53.78	317.06 11.04 -209.20	333.85 11.24 -224.91	296.02 8.61 -213.18	250.73 8.46 -168.66	188.74 7.96 -109.68	340.28 7.67 -261.58	206.99 7.38 -128.66
FPL FAR_ROCK_GT1 24212	146.87 8.47 -67.74	139.95 7.67 -66.08	132.85 6.52 -69.11	127.37 5.99 -63.76	135.68 6.63 -66.46	145.86 8.00 -67.06	163.44 7.61 -84.73	198.94 8.45 -119.47	165.89 8.59 -86.27	158.98 8.58 -79.45	148.75 9.26 -68.25	146.24 9.38 -65.76	145.53 9.18 -65.26	146.17 9.16 -66.06	148.94 9.15 -68.91	151.37 9.32 -70.88	178.97 9.32 -98.48	219.30 13.37 -109.11	204.97 13.39 -93.87	200.01 9.95 -115.83	174.26 9.72 -90.93	172.01 9.24 -91.68	146.16 9.37 -65.77	148.65 9.22 -68.48



FPL FAR_ROCK_GT2 23815	146.87 8.47 -67.74	139.95 7.67 -66.08	132.85 6.52 -69.11	127.37 5.99 -63.76	135.68 6.63 -66.46	145.86 8.00 -67.06	163.44 7.61 -84.73	198.94 8.45 -119.47	165.89 8.59 -86.27	158.98 8.58 -79.45	148.75 9.26 -68.25	146.24 9.38 -65.76	145.53 9.18 -65.26	146.17 9.16 -66.06	148.94 9.15 -68.91	151.37 9.32 -70.88	178.97 9.32 -98.48	219.30 13.37 -109.11	204.97 13.39 -93.87	200.01 9.95 -115.83	174.26 9.72 -90.93	172.01 9.24 -91.68	146.16 9.37 -65.77	148.65 9.22 -68.48
FRANKLIN_FALL_HYD 24054	68.88 -1.77 0.00	64.73 -1.46 0.00	56.02 -1.20 0.00	56.23 -1.38 0.00	61.15 -1.44 0.00	69.11 -1.70 0.00	69.18 -1.92 0.00	69.32 -1.70 0.00	69.10 -1.92 0.00	68.47 -2.48 0.00	68.75 -2.49 0.00	68.47 -2.63 0.00	68.68 -2.42 0.00	68.68 -2.27 0.00	68.68 -2.20 0.00	68.60 -2.56 0.00	68.46 -2.70 0.00	72.06 -3.97 20.79	72.08 -4.10 21.52	70.96 -3.27 0.00	70.81 -2.80 0.00	68.75 -2.35 0.00	68.82 -2.20 0.00	69.25 -1.70 0.00
FREEPORT_EQUS_GT1 23764	146.51 8.12 -67.74	139.62 7.35 -66.08	132.56 6.24 -69.11	127.08 5.70 -63.76	135.37 6.32 -66.45	145.51 7.65 -67.05	163.00 7.18 -84.73	198.51 8.02 -119.47	165.46 8.16 -86.27	158.48 8.09 -79.44	148.25 8.76 -68.25	145.74 8.89 -65.75	145.10 8.74 -65.26	145.73 8.72 -66.06	148.50 8.72 -68.90	150.94 8.89 -70.88	178.47 8.82 -98.48	218.23 12.30 -109.11	203.99 12.41 -93.87	199.18 9.13 -115.83	167.72 9.20 -84.92	163.03 8.81 -83.12	145.81 9.02 -65.77	148.29 8.87 -68.48
FREEPORT___CT2 23818	146.51 8.12 -67.74	139.62 7.35 -66.08	132.56 6.24 -69.11	127.08 5.70 -63.76	135.37 6.32 -66.45	145.51 7.65 -67.05	163.00 7.18 -84.73	198.51 8.02 -119.47	165.46 8.16 -86.27	158.48 8.09 -79.44	148.25 8.76 -68.25	145.74 8.89 -65.75	145.10 8.74 -65.26	145.73 8.72 -66.06	148.50 8.72 -68.90	150.94 8.89 -70.88	178.47 8.82 -98.48	218.23 12.30 -109.11	203.99 12.41 -93.87	199.18 9.13 -115.83	167.72 9.20 -84.92	163.03 8.81 -83.12	145.81 9.02 -65.77	148.29 8.87 -68.48
FRESHKLS_33_KV_LOAD 356253	373.26 7.06 -295.54	275.57 6.49 -202.89	132.18 5.72 -69.24	127.13 5.76 -63.76	135.38 6.20 -66.59	250.68 7.22 -172.65	377.21 7.32 -298.79	380.06 7.81 -301.23	356.26 7.81 -277.43	460.53 7.95 -381.64	167.99 7.84 -88.91	164.19 7.75 -85.34	161.79 7.47 -83.23	161.86 7.52 -83.39	161.93 7.58 -83.47	161.94 7.76 -83.01	132.57 7.83 -53.58	193.86 10.84 -86.20	192.29 11.04 -83.54	180.05 8.46 -97.37	170.04 8.32 -88.12	184.19 7.82 -105.28	323.59 7.46 -245.11	206.85 7.24 -128.66
FULTON COGEN____ 23766	74.48 -1.70 -5.53	69.86 -1.72 -5.39	61.37 -1.49 -5.64	61.38 -1.44 -5.20	66.45 -1.56 -5.42	74.72 -1.56 -5.47	76.80 -1.21 -6.92	79.56 -1.21 -9.75	75.57 -1.35 -5.90	76.05 -1.21 -6.31	75.40 -1.42 -5.44	74.35 -1.42 -4.68	74.16 -1.42 -4.49	73.70 -1.56 -4.31	73.58 -1.56 -4.26	74.82 -1.28 -4.94	74.11 -1.28 -4.23	98.60 -1.45 -3.24	100.21 -1.47 -3.96	77.23 -1.11 -4.12	76.71 -1.25 -4.36	75.34 -1.42 -5.67	74.56 -1.63 -5.17	74.47 -1.63 -5.15
FULTON___LFGE 323630	174.87 5.65 -98.56	167.64 5.30 -96.15	162.24 4.47 -100.55	154.88 4.50 -92.77	164.30 5.01 -96.69	174.32 5.95 -97.56	200.78 6.40 -123.29	251.32 6.46 -173.84	244.15 6.11 -167.02	188.53 5.25 -112.33	173.29 5.06 -96.99	159.06 4.62 -83.34	155.40 4.27 -80.04	151.90 4.19 -76.77	151.23 4.47 -75.88	164.55 5.55 -87.83	219.01 6.19 -141.66	228.20 8.81 -122.57	244.27 8.98 -137.58	221.05 6.90 -139.92	225.51 7.00 -144.90	178.68 6.54 -101.05	169.30 6.11 -92.17	168.51 5.74 -91.81
G.F.CEMENT___DRP 24184	166.68 4.66 -91.37	159.76 4.43 -89.13	154.15 3.72 -93.22	147.42 3.80 -86.00	156.43 4.19 -89.64	166.28 5.03 -90.45	190.86 5.47 -114.29	237.71 5.54 -161.15	237.22 5.54 -160.66	180.47 5.39 -104.12	167.85 6.70 -89.91	154.82 6.47 -77.26	151.41 6.11 -74.20	148.08 5.96 -71.17	147.46 6.24 -70.34	159.26 6.69 -81.41	148.11 7.12 -69.83	226.42 9.88 -119.72	241.30 9.77 -133.83	217.61 7.42 -135.97	221.69 7.43 -140.65	171.60 6.83 -93.67	162.93 6.46 -85.44	162.24 6.17 -85.11
GARDENVILLE___LBMP 24039	76.52 -6.15 -12.01	72.15 -5.76 -11.72	64.55 -4.92 -12.26	64.20 -4.72 -11.31	69.00 -5.38 -11.79	76.96 -5.74 -11.89	81.08 -5.05 -15.03	85.89 -6.32 -21.19	78.95 -6.96 -14.89	78.65 -6.10 -13.80	76.65 -6.48 -11.89	74.32 -6.97 -10.19	73.81 -7.04 -9.76	72.93 -7.38 -9.36	72.81 -7.44 -9.37	75.53 -6.55 -10.91	74.08 -6.26 -9.18	101.70 -7.36 -12.24	101.87 -7.62 -11.78	81.05 -5.64 -12.47	79.48 -6.40 -12.27	76.73 -6.68 -12.32	75.72 -6.53 -11.23	76.61 -5.53 -11.19
GARDNVLA_35_KV_LD 355827	76.82 -5.93 -12.11	72.44 -5.56 -11.81	64.82 -4.75 -12.35	64.46 -4.55 -11.40	69.28 -5.20 -11.88	77.27 -5.52 -11.98	81.41 -4.83 -15.14	86.19 -6.18 -21.35	79.30 -6.75 -15.03	78.97 -5.89 -13.91	76.96 -6.27 -11.98	74.62 -6.75 -10.27	74.10 -6.83 -9.83	73.21 -7.17 -9.43	73.09 -7.23 -9.44	75.76 -6.40 -11.00	74.37 -6.05 -9.25	102.09 -7.07 -12.34	102.26 -7.33 -11.88	81.37 -5.42 -12.57	79.79 -6.18 -12.37	77.04 -6.47 -12.41	76.02 -6.32 -11.32	76.91 -5.32 -11.28
GELCKHM___115KV_LOAD 80723	76.79 -0.85 -6.98	72.08 -0.93 -6.81	63.54 -0.80 -7.12	63.44 -0.75 -6.57	68.63 -0.81 -6.85	77.01 -0.71 -6.91	79.55 -0.28 -8.74	82.98 -0.36 -12.32	77.98 -0.50 -7.46	78.69 -0.28 -8.02	77.80 -0.36 -6.91	76.52 -0.50 -5.93	76.20 -0.57 -5.67	75.75 -0.64 -5.44	75.62 -0.71 -5.44	77.08 -0.43 -6.34	76.08 -0.43 -5.34	102.07 -0.19 -5.44	102.72 -0.20 -5.21	79.68 -0.15 -5.60	78.81 -0.29 -5.50	77.69 -0.57 -7.16	76.77 -0.78 -6.53	76.75 -0.71 -6.51
GENERAL___MILLS 23808	76.73 -6.01 -12.08	72.28 -5.69 -11.78	64.74 -4.81 -12.32	64.38 -4.61 -11.37	69.19 -5.26 -11.85	77.10 -5.66 -11.96	81.23 -4.98 -15.11	86.08 -6.25 -21.31	79.19 -6.82 -14.99	78.87 -5.96 -13.88	76.79 -6.41 -11.96	74.45 -6.90 -10.25	73.94 -6.97 -9.81	73.12 -7.24 -9.41	72.93 -7.37 -9.42	75.66 -6.48 -10.97	74.21 -6.19 -9.23	101.87 -7.26 -12.31	102.03 -7.52 -11.85	81.20 -5.57 -12.54	79.62 -6.33 -12.34	76.87 -6.61 -12.39	75.85 -6.46 -11.30	76.74 -5.46 -11.25
GE_PLASTICS___DRP 24183	161.40 2.83 -87.92	154.54 2.58 -85.77	149.14 2.23 -89.70	142.67 2.30 -82.75	151.10 2.25 -86.25	160.38 2.55 -87.03	183.70 2.63 -109.97	228.57 2.49 -155.06	197.99 2.63 -124.34	173.73 2.70 -100.09	160.32 2.64 -86.44	148.03 2.63 -74.30	145.41 2.91 -71.40	142.27 2.84 -68.48	140.86 2.41 -67.57	151.65 2.35 -78.13	140.70 2.35 -67.19	179.79 3.29 -79.68	196.39 3.22 -95.46	173.81 2.45 -97.14	178.45 2.43 -102.42	163.58 2.35 -90.14	155.86 2.63 -82.22	155.40 2.55 -81.90
GILBOA___1 23756	142.78 2.75 -69.38	136.38 2.51 -67.68	130.17 2.17 -70.78	125.10 2.19 -65.30	133.03 2.38 -68.06	142.24 2.76 -68.67	160.79 2.92 -86.78	196.15 2.77 -122.36	160.32 2.84 -86.45	153.07 2.98 -79.14	142.69 3.13 -68.32	132.84 3.06 -58.69	130.49 3.06 -56.34	127.97 2.98 -54.04	127.35 2.98 -53.49	136.18 3.06 -61.95	140.59 2.92 -66.51	155.07 4.16 -54.09	165.14 4.20 -63.24	142.55 3.19 -65.14	144.98 3.24 -68.14	145.21 2.99 -71.13	138.88 2.98 -64.88	138.49 2.91 -64.63
GILBOA___2 23757	142.78 2.75 -69.38	136.38 2.51 -67.68	130.17 2.17 -70.78	125.10 2.19 -65.30	133.03 2.38 -68.06	142.24 2.76 -68.67	160.79 2.92 -86.78	196.15 2.77 -122.36	160.32 2.84 -86.45	153.07 2.98 -79.14	142.69 3.13 -68.32	132.84 3.06 -58.69	130.49 3.06 -56.34	127.97 2.98 -54.04	127.35 2.98 -53.49	136.18 3.06 -61.95	140.59 2.92 -66.51	155.07 4.16 -54.09	165.14 4.20 -63.24	142.55 3.19 -65.14	144.98 3.24 -68.14	145.21 2.99 -71.13	138.88 2.98 -64.88	138.49 2.91 -64.63



GILBOA___3 23758	142.78 2.75 -69.38	136.38 2.51 -67.68	130.17 2.17 -70.78	125.10 2.19 -65.30	133.03 2.38 -68.06	142.24 2.76 -68.67	160.79 2.92 -86.78	196.15 2.77 -122.36	160.32 2.84 -86.45	153.07 2.98 -79.14	142.69 3.13 -68.32	132.84 3.06 -58.69	130.49 3.06 -56.34	127.97 2.98 -54.04	127.35 2.98 -53.49	136.18 3.06 -61.95	140.59 2.92 -66.51	155.07 4.16 -54.09	165.14 4.20 -63.24	142.55 3.19 -65.14	144.98 3.24 -68.14	145.21 2.99 -71.13	138.88 2.98 -64.88	138.49 2.91 -64.63
GILBOA___4 23759	142.78 2.75 -69.38	136.38 2.51 -67.68	130.17 2.17 -70.78	125.10 2.19 -65.30	133.03 2.38 -68.06	142.24 2.76 -68.67	160.79 2.92 -86.78	196.15 2.77 -122.36	160.32 2.84 -86.45	153.07 2.98 -79.14	142.69 3.13 -68.32	132.84 3.06 -58.69	130.49 3.06 -56.34	127.97 2.98 -54.04	127.35 2.98 -53.49	136.18 3.06 -61.95	140.59 2.92 -66.51	155.07 4.16 -54.09	165.14 4.20 -63.24	142.55 3.19 -65.14	144.98 3.24 -68.14	145.21 2.99 -71.13	138.88 2.98 -64.88	138.49 2.91 -64.63
GILBOA___ 23599	142.78 2.76 -69.38	136.38 2.52 -67.68	130.17 2.17 -70.78	125.10 2.19 -65.30	133.04 2.38 -68.06	142.24 2.76 -68.67	160.79 2.91 -86.78	196.15 2.77 -122.36	160.39 2.91 -86.45	153.07 2.98 -79.14	142.69 3.13 -68.32	132.84 3.06 -58.69	130.42 2.99 -56.34	127.97 2.98 -54.04	127.35 2.98 -53.49	136.18 3.06 -61.95	127.25 3.06 -53.02	155.08 4.16 -54.09	165.15 4.20 -63.24	142.55 3.19 -65.14	144.99 3.24 -68.14	145.21 2.99 -71.13	138.88 2.98 -64.88	138.41 2.84 -64.63
GINNA___ 23603	73.79 -5.58 -8.72	69.53 -5.16 -8.51	61.65 -4.46 -8.90	61.50 -4.32 -8.21	66.45 -4.70 -8.56	74.20 -5.24 -8.63	77.60 -4.41 -10.91	81.36 -5.04 -15.38	74.99 -5.40 -9.37	75.36 -5.61 -10.02	74.89 -4.99 -8.63	73.09 -5.41 -7.40	72.71 -5.47 -7.08	72.00 -5.74 -6.79	71.87 -5.81 -6.80	73.82 -5.27 -7.92	73.31 -5.19 -7.33	97.73 -5.91 -6.82	97.96 -6.26 -6.51	76.26 -4.97 -7.00	75.47 -5.01 -6.87	74.63 -5.41 -8.94	73.71 -5.47 -8.16	73.83 -5.25 -8.12
GLEN PARK___ 23778	75.55 1.20 -3.70	70.66 0.86 -3.61	61.73 0.74 -3.78	61.84 0.75 -3.48	67.22 1.00 -3.63	75.96 1.49 -3.66	78.00 2.27 -4.63	80.25 2.70 -6.53	77.18 2.20 -3.95	77.23 2.06 -4.22	77.10 2.21 -3.64	76.15 1.92 -3.13	75.95 1.85 -3.01	75.68 1.84 -2.88	75.57 1.84 -2.85	76.68 2.21 -3.30	76.34 2.35 -2.83	98.37 3.48 1.93	100.31 4.20 1.59	80.02 3.04 -2.75	79.47 2.95 -2.92	77.02 2.13 -3.79	76.18 1.70 -3.46	75.82 1.42 -3.45
GLENDALE_27_KV_LOAD 356172	154.05 7.42 -75.98	143.77 6.55 -71.03	131.93 5.61 -69.11	126.84 5.47 -63.76	135.06 6.01 -66.46	144.71 6.87 -67.04	165.36 6.97 -87.29	204.73 7.67 -126.04	172.23 8.03 -93.18	169.63 8.30 -90.38	148.65 8.34 -69.07	143.79 8.32 -64.38	143.65 8.03 -64.52	143.58 8.02 -64.61	143.79 8.15 -64.76	146.99 8.26 -67.57	131.46 8.26 -52.04	217.24 11.33 -109.09	183.91 11.53 -74.67	167.52 8.76 -84.54	150.77 8.61 -68.55	154.42 8.18 -75.15	165.52 8.10 -86.40	144.22 7.80 -65.47
GLENWOOD_IC_1_G5 23712	145.66 7.28 -67.74	138.82 6.55 -66.08	131.87 5.55 -69.11	126.67 5.30 -63.76	134.87 5.82 -66.45	144.73 6.87 -67.05	162.51 6.68 -84.73	197.95 7.46 -119.47	164.96 7.67 -86.27	158.06 7.66 -79.44	147.54 8.05 -68.25	144.81 7.96 -65.75	144.32 7.96 -65.26	144.95 7.95 -66.05	147.79 8.01 -68.90	150.23 8.18 -70.88	141.46 8.18 -62.11	216.68 10.75 -109.11	202.42 10.85 -93.87	198.66 8.61 -115.83	165.93 8.46 -83.86	160.74 8.03 -81.61	144.81 8.03 -65.77	147.16 7.73 -68.47
GLENWOOD_IC_2_G1 23688	145.10 6.72 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.27 4.89 -63.76	134.49 5.44 -66.45	144.23 6.38 -67.05	162.15 6.33 -84.73	197.45 6.96 -119.47	164.46 7.17 -86.27	157.64 7.24 -79.44	147.12 7.63 -68.25	144.46 7.61 -65.75	143.89 7.53 -65.26	144.52 7.52 -66.05	147.29 7.51 -68.90	149.66 7.62 -70.88	177.18 7.54 -98.48	216.49 10.55 -109.11	202.23 10.65 -93.87	198.07 8.02 -115.83	164.34 7.88 -82.85	158.81 7.53 -80.18	144.24 7.46 -65.77	146.66 7.24 -68.47
GLENWOOD_IC_3_G1 23689	145.10 6.72 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.27 4.89 -63.76	134.49 5.44 -66.45	144.23 6.38 -67.05	162.15 6.33 -84.73	197.45 6.96 -119.47	164.46 7.17 -86.27	157.64 7.24 -79.44	147.12 7.63 -68.25	144.46 7.61 -65.75	143.89 7.53 -65.26	144.52 7.52 -66.05	147.29 7.51 -68.90	149.66 7.62 -70.88	177.18 7.54 -98.48	216.49 10.55 -109.11	202.23 10.65 -93.87	198.07 8.02 -115.83	164.34 7.88 -82.85	158.81 7.53 -80.18	144.24 7.46 -65.77	146.66 7.24 -68.47
GLENWOOD___4 23550	145.66 7.28 -67.74	138.82 6.55 -66.08	131.87 5.55 -69.11	126.67 5.30 -63.76	134.87 5.82 -66.45	144.73 6.87 -67.05	162.51 6.68 -84.73	197.95 7.46 -119.47	164.96 7.67 -86.27	158.13 7.73 -79.44	147.61 8.12 -68.25	144.95 8.11 -65.75	144.32 7.96 -65.26	144.95 7.95 -66.05	147.79 8.01 -68.90	150.23 8.18 -70.88	141.46 8.18 -62.11	216.97 11.04 -109.11	202.62 11.04 -93.87	198.66 8.61 -115.83	165.93 8.46 -83.86	160.74 8.03 -81.61	144.81 8.03 -65.77	147.16 7.73 -68.47
GLENWOOD___5 23614	145.66 7.28 -67.74	138.82 6.55 -66.08	131.87 5.55 -69.11	126.67 5.30 -63.76	134.87 5.82 -66.45	144.73 6.87 -67.05	162.51 6.68 -84.73	197.95 7.46 -119.47	164.96 7.67 -86.27	158.13 7.73 -79.44	147.61 8.12 -68.25	144.95 8.11 -65.75	144.32 7.96 -65.26	144.95 7.95 -66.05	147.79 8.01 -68.90	150.23 8.18 -70.88	141.46 8.18 -62.11	216.97 11.04 -109.11	202.62 11.04 -93.87	198.66 8.61 -115.83	165.93 8.46 -83.86	160.74 8.03 -81.61	144.81 8.03 -65.77	147.16 7.73 -68.47
GLOBAL GREEN_PORT_GT1 23814	148.49 10.10 -67.74	141.40 9.14 -66.08	134.10 7.78 -69.11	128.40 7.03 -63.76	136.87 7.82 -66.45	147.48 9.63 -67.05	164.50 8.67 -84.73	200.22 9.73 -119.47	166.74 9.45 -86.27	159.55 9.16 -79.44	148.25 8.76 -68.24	145.81 8.96 -65.75	145.03 8.67 -65.26	146.16 9.16 -66.05	149.14 9.36 -68.90	151.72 9.68 -70.88	179.68 10.04 -98.48	220.55 14.62 -109.11	206.33 14.75 -93.87	200.81 10.76 -115.83	165.51 10.45 -81.46	159.53 10.24 -78.19	147.01 10.23 -65.76	150.57 11.14 -68.48
GLOBE___DSASP 323697	74.02 -7.77 -11.15	69.91 -7.15 -10.87	62.46 -6.12 -11.37	62.23 -5.88 -10.49	66.89 -6.63 -10.93	74.54 -7.29 -11.03	78.28 -6.75 -13.94	82.37 -8.31 -19.66	75.85 -8.88 -13.71	75.88 -7.88 -12.80	73.87 -8.41 -11.03	71.74 -8.82 -9.46	71.19 -8.96 -9.05	70.41 -9.22 -8.68	70.29 -9.29 -8.69	72.82 -8.47 -10.12	71.43 -8.26 -8.52	97.98 -10.17 -11.33	98.16 -10.45 -10.91	77.98 -7.79 -11.55	76.58 -8.39 -11.37	73.92 -8.60 -11.43	73.06 -8.38 -10.42	73.95 -7.38 -10.38
GOETHSLN___LBMP 323567	144.87 6.50 -67.72	137.95 5.69 -66.06	131.11 4.81 -69.09	125.97 4.61 -63.74	134.10 5.07 -66.44	143.58 5.74 -67.04	161.57 5.76 -84.71	197.00 6.53 -119.44	164.23 6.96 -86.25	157.61 7.24 -79.43	146.53 7.20 -68.09	136.29 7.18 -58.02	133.06 6.97 -55.00	130.65 6.95 -52.75	132.46 7.02 -54.56	142.99 7.19 -64.64	130.04 7.12 -51.75	192.68 9.68 -86.18	179.34 9.77 -71.87	163.42 7.42 -81.78	149.50 7.36 -68.54	147.56 7.04 -69.43	141.38 7.03 -63.33	140.77 6.74 -63.08
GOLAH___69_KV_TB 1_2 80279	76.73 -3.04 -9.12	72.31 -2.78 -8.90	64.12 -2.40 -9.31	63.89 -2.30 -8.59	69.04 -2.50 -8.95	77.21 -2.62 -9.03	80.59 -1.92 -11.41	84.27 -2.84 -16.09	79.34 -3.34 -11.66	78.73 -2.70 -10.48	77.21 -3.06 -9.03	75.21 -3.63 -7.74	74.81 -3.70 -7.41	74.01 -4.04 -7.10	73.95 -4.04 -7.11	76.10 -3.34 -8.28	74.86 -3.27 -6.97	102.73 -3.29 -9.20	103.06 -3.52 -8.87	81.02 -2.60 -9.39	79.84 -3.02 -9.25	76.89 -3.55 -9.35	75.93 -3.62 -8.53	76.47 -2.98 -8.50



GOODYEAR_LAKE_HYD 323669	96.37 3.53 -22.19	90.95 3.11 -21.65	82.49 2.63 -22.64	81.15 2.65 -20.89	87.37 3.00 -21.77	96.45 3.68 -21.97	102.98 4.12 -27.76	114.42 4.26 -39.14	121.08 4.12 -45.94	100.64 4.19 -25.50	97.35 4.13 -21.97	93.91 3.98 -18.83	92.96 3.84 -18.02	91.85 3.62 -17.28	91.88 3.69 -17.31	95.48 4.13 -20.18	92.47 4.34 -16.96	144.95 6.10 -42.03	144.95 6.35 -40.89	121.18 4.75 -42.21	119.99 4.64 -41.74	97.97 4.12 -22.75	95.68 3.91 -20.75	95.38 3.76 -20.67
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	94.01 0.14 -23.22	88.84 0.00 -22.65	80.91 0.00 -23.69	79.53 0.06 -21.86	85.37 0.00 -22.78	94.07 0.28 -22.98	100.85 0.71 -29.04	112.47 0.50 -40.95	101.44 0.28 -30.13	98.20 0.57 -26.68	94.66 0.43 -22.99	91.09 0.28 -19.71	90.10 0.14 -18.86	89.04 0.00 -18.09	88.99 0.00 -18.11	92.69 0.43 -21.10	89.48 0.57 -17.75	122.25 1.16 -24.27	122.18 1.17 -23.30	99.75 0.89 -24.64	98.50 0.66 -24.23	95.19 0.28 -23.81	92.88 0.14 -21.71	92.94 0.35 -21.63
GOUDEY___7 23579	94.01 0.14 -23.22	88.84 0.00 -22.65	80.91 0.00 -23.69	79.53 0.06 -21.86	85.37 0.00 -22.78	94.07 0.28 -22.98	100.85 0.71 -29.04	112.47 0.50 -40.95	101.44 0.28 -30.13	98.20 0.57 -26.68	94.66 0.43 -22.99	91.09 0.28 -19.71	90.10 0.14 -18.86	89.04 0.00 -18.09	88.99 0.00 -18.11	92.69 0.43 -21.10	89.48 0.57 -17.75	122.25 1.16 -24.27	122.18 1.17 -23.30	99.75 0.89 -24.64	98.50 0.66 -24.23	95.19 0.28 -23.81	92.88 0.14 -21.71	92.94 0.35 -21.63
GOUDEY___8 23580	94.01 0.14 -23.22	88.84 0.00 -22.65	80.91 0.00 -23.69	79.53 0.06 -21.86	85.37 0.00 -22.78	94.07 0.28 -22.98	100.85 0.71 -29.04	112.47 0.50 -40.95	101.44 0.28 -30.13	98.20 0.57 -26.68	94.66 0.43 -22.99	91.09 0.28 -19.71	90.10 0.14 -18.86	89.04 0.00 -18.09	88.99 0.00 -18.11	92.69 0.43 -21.10	89.48 0.57 -17.75	122.25 1.16 -24.27	122.18 1.17 -23.30	99.75 0.89 -24.64	98.50 0.66 -24.23	95.19 0.28 -23.81	92.88 0.14 -21.71	92.94 0.35 -21.63
GOWANUS_GT1_1 24077	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT1_2 24078	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT1_3 24079	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT1_4 24080	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT1_5 24084	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT1_6 24111	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT1_7 24112	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT1_8 24113	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT2_1 24114	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT2_2 24115	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT2_3 24116	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66



GOWANUS_GT2_4 24117	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT2_5 24118	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT2_6 24119	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT2_7 24120	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT2_8 24121	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_1 24122	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_2 24123	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_3 24124	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_4 24125	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_5 24126	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_6 24127	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_7 24128	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT3_8 24129	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
GOWANUS_GT4_1 24130	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT4_2 24131	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66



GOWANUS_GT4_3 24132	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT4_4 24133	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT4_5 24134	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT4_6 24135	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT4_7 24136	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GOWANUS_GT4_8 24137	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GREENBSH_115KV_TB3 55895	161.95 2.90 -88.40	155.14 2.71 -86.24	149.75 2.35 -90.19	143.24 2.42 -83.21	151.51 2.19 -86.73	160.79 2.48 -87.51	184.09 2.42 -110.58	229.28 2.34 -155.92	203.83 2.56 -130.25	174.18 2.55 -100.67	160.68 2.49 -86.94	148.38 2.56 -74.72	145.95 3.06 -71.79	142.79 2.98 -68.86	141.06 2.20 -67.98	151.86 2.06 -78.63	140.65 1.92 -67.56	186.16 2.71 -86.63	202.14 2.64 -101.80	179.83 2.00 -103.60	184.26 1.99 -108.67	163.72 1.99 -90.63	156.18 2.49 -82.67	155.71 2.41 -82.35
GREENDGE_115KV_TB5 80291	83.72 -1.55 -14.62	78.73 -1.72 -14.26	70.65 -1.49 -14.92	70.05 -1.33 -13.76	75.44 -1.50 -14.35	83.86 -1.42 -14.47	88.89 -0.50 -18.29	95.96 -0.85 -25.79	88.42 -1.28 -18.68	86.68 -1.06 -16.80	84.36 -1.35 -14.47	82.01 -1.49 -12.41	81.34 -1.64 -11.87	80.42 -1.92 -11.39	80.44 -1.84 -11.40	83.24 -1.21 -13.28	81.20 -1.14 -11.17	110.84 -0.97 -14.99	111.14 -0.98 -14.41	89.10 -0.37 -15.25	87.80 -0.81 -15.01	84.74 -1.35 -14.99	83.20 -1.49 -13.67	83.44 -1.14 -13.62
GREENIDGE___3 23582	83.72 -1.55 -14.62	78.73 -1.72 -14.26	70.65 -1.49 -14.92	70.05 -1.33 -13.76	75.44 -1.50 -14.35	83.86 -1.42 -14.47	88.89 -0.50 -18.29	95.96 -0.85 -25.79	88.42 -1.28 -18.68	86.68 -1.06 -16.80	84.36 -1.35 -14.47	82.01 -1.49 -12.41	81.34 -1.64 -11.87	80.42 -1.92 -11.39	80.44 -1.84 -11.40	83.24 -1.21 -13.28	81.20 -1.14 -11.17	110.84 -0.97 -14.99	111.14 -0.98 -14.41	89.10 -0.37 -15.25	87.80 -0.81 -15.01	84.74 -1.35 -14.99	83.20 -1.49 -13.67	83.44 -1.14 -13.62
GREENIDGE___4 23583	83.65 -1.62 -14.62	78.73 -1.72 -14.26	70.71 -1.43 -14.92	70.11 -1.27 -13.76	75.50 -1.44 -14.35	83.93 -1.35 -14.47	88.89 -0.49 -18.29	95.82 -0.99 -25.79	88.28 -1.42 -18.68	85.90 -1.85 -16.80	84.57 -1.14 -14.47	81.94 -1.56 -12.41	81.26 -1.71 -11.87	80.35 -1.99 -11.39	80.37 -1.91 -11.40	83.17 -1.28 -13.28	85.70 -1.28 -15.81	111.23 -0.58 -14.99	111.14 -0.98 -14.41	88.88 -0.60 -15.25	87.73 -0.88 -15.01	84.59 -1.50 -14.99	83.20 -1.49 -13.67	83.43 -1.14 -13.62
GREENLWN_69_KV_BK 3 55738	146.02 7.63 -67.74	139.35 7.08 -66.08	132.33 6.01 -69.11	126.84 5.47 -63.76	135.12 6.07 -66.45	145.08 7.22 -67.05	161.94 6.11 -84.73	197.52 7.03 -119.47	164.39 7.10 -86.27	157.70 7.31 -79.44	147.89 8.41 -68.24	145.31 8.46 -65.75	144.53 8.18 -65.26	145.16 8.16 -66.05	147.86 8.08 -68.90	150.16 8.11 -70.88	141.18 7.90 -62.11	217.26 11.33 -109.11	203.01 11.43 -93.87	198.44 8.39 -115.83	163.37 8.24 -81.52	157.26 7.89 -78.27	145.31 8.52 -65.76	147.80 8.37 -68.48
GREENWD_138_KV_38B11_REV_LBMP_J 345004	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66
GRISSOM___SOLAR 323813	173.86 5.51 -97.69	166.66 5.17 -95.30	161.18 4.29 -99.67	153.94 4.38 -91.95	163.25 4.82 -95.84	173.24 5.73 -96.70	199.48 6.18 -122.20	249.50 6.18 -172.30	243.92 5.89 -167.01	187.46 5.18 -111.33	172.36 4.99 -96.13	158.32 4.62 -82.60	154.70 4.27 -79.34	151.23 4.19 -76.09	150.56 4.47 -75.21	163.61 5.41 -87.04	219.06 5.98 -141.92	228.12 8.42 -122.88	244.23 8.60 -137.92	221.04 6.60 -140.22	225.51 6.70 -145.21	177.58 6.33 -100.15	168.27 5.89 -91.35	167.49 5.54 -91.00
GROVEVILLE___HYD 323602	145.10 6.64 -67.81	138.23 5.89 -66.15	131.49 5.09 -69.18	126.51 5.07 -63.83	134.63 5.51 -66.53	144.38 6.44 -67.13	162.68 6.75 -84.82	197.73 7.10 -119.60	165.00 7.32 -86.67	157.72 7.31 -79.46	146.58 7.20 -68.14	136.21 7.04 -58.07	132.99 6.83 -55.07	130.58 6.81 -52.82	132.24 6.80 -54.56	142.87 7.12 -64.59	130.46 7.47 -51.82	214.81 10.26 -107.73	180.08 10.36 -72.02	163.84 7.94 -81.67	150.29 7.73 -68.96	147.87 7.25 -69.52	141.47 7.03 -63.41	140.93 6.81 -63.17
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	78.52 -0.14 -8.01	73.67 -0.33 -7.81	65.16 -0.23 -8.17	64.98 -0.17 -7.54	70.26 -0.19 -7.86	78.80 0.07 -7.93	81.61 0.50 -10.02	85.57 0.43 -14.13	79.86 0.28 -8.55	80.65 0.50 -9.20	79.53 0.36 -7.93	78.18 0.28 -6.80	77.81 0.21 -6.50	77.26 0.07 -6.24	77.20 0.07 -6.24	78.79 0.36 -7.27	77.64 0.36 -6.12	103.94 0.87 -6.25	104.56 0.88 -5.98	81.40 0.74 -6.43	80.43 0.52 -6.31	79.52 0.21 -8.21	78.51 0.00 -7.49	78.41 0.00 -7.46



HAMLTNNY_34_KV_TB 80303	79.43 0.07 -8.71	74.62 -0.07 -8.49	66.04 -0.06 -8.88	65.81 0.00 -8.20	71.14 0.00 -8.54	79.78 0.35 -8.62	82.84 0.85 -10.89	87.16 0.78 -15.36	80.89 0.57 -9.30	81.73 0.78 -10.00	80.57 0.71 -8.62	78.98 0.50 -7.39	78.59 0.43 -7.07	78.02 0.28 -6.78	77.95 0.28 -6.79	79.71 0.64 -7.91	78.53 0.71 -6.65	105.08 1.45 -6.81	105.67 1.47 -6.50	82.33 1.11 -6.99	81.35 0.88 -6.86	80.52 0.50 -8.93	79.45 0.28 -8.14	79.35 0.28 -8.11
HAMPSHIRE___PAPER_HYD 323593	70.61 -1.90 -1.86	66.15 -1.85 -1.82	57.52 -1.60 -1.90	57.69 -1.67 -1.75	62.73 -1.69 -1.83	70.81 -1.84 -1.84	71.79 -1.63 -2.33	72.95 -1.35 -3.29	71.45 -1.56 -1.99	71.45 -1.63 -2.13	71.22 -1.85 -1.83	70.76 -1.92 -1.58	70.76 -1.85 -1.51	70.63 -1.77 -1.45	70.55 -1.77 -1.44	71.05 -1.78 -1.66	70.81 -1.78 -1.42	83.12 -3.10 10.60	84.10 -2.84 10.77	73.68 -1.93 -1.39	73.31 -1.77 -1.47	71.23 -1.77 -1.91	70.85 -1.91 -1.74	70.70 -1.99 -1.74
HARDSCRABBLE_WT_PWR 323673	71.85 1.20 0.00	67.25 1.06 0.00	58.13 0.91 0.00	58.53 0.92 0.00	63.66 1.06 0.00	72.08 1.28 0.00	72.38 1.28 0.00	72.30 1.28 0.00	72.23 1.21 0.00	72.16 1.21 0.00	72.53 1.28 0.00	72.30 1.21 0.00	72.38 1.28 0.00	72.16 1.21 0.00	72.01 1.13 0.00	72.45 1.28 0.00	72.38 1.21 0.00	99.81 1.74 -1.25	100.95 1.95 -1.29	75.63 1.41 0.00	74.93 1.33 0.00	72.44 1.35 0.00	72.37 1.35 0.00	72.30 1.34 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	139.75 5.51 -63.59	133.12 4.90 -62.03	126.26 4.18 -64.87	121.61 4.15 -59.85	129.54 4.57 -62.38	139.06 5.31 -62.94	156.11 5.47 -79.54	189.06 5.89 -112.15	158.15 6.11 -81.02	151.68 6.24 -74.48	141.32 6.20 -63.88	131.65 6.11 -54.44	128.64 5.90 -51.64	126.37 5.89 -49.53	127.89 5.88 -51.13	137.80 6.12 -60.51	126.09 6.33 -48.59	205.72 8.71 -100.18	173.68 8.79 -67.18	157.05 6.68 -76.14	144.55 6.55 -64.39	142.40 6.11 -65.19	136.52 6.04 -59.46	135.93 5.75 -59.23
HARSNRAD_115KV_TB1 81005	74.41 -7.21 -10.97	70.21 -6.69 -10.70	62.69 -5.72 -11.19	62.47 -5.47 -10.33	67.16 -6.20 -10.76	74.87 -6.80 -10.86	78.78 -6.04 -13.72	82.91 -7.46 -19.35	76.54 -8.10 -13.61	76.39 -7.17 -12.60	74.48 -7.62 -10.86	72.23 -8.18 -9.31	71.76 -8.25 -8.91	70.91 -8.59 -8.54	70.79 -8.65 -8.55	73.37 -7.76 -9.96	72.08 -7.47 -8.38	98.96 -9.00 -11.15	99.16 -9.28 -10.74	78.68 -6.90 -11.36	77.21 -7.58 -11.18	74.52 -7.82 -11.25	73.61 -7.67 -10.26	74.43 -6.74 -10.22
HARZA MOOSE___RIVER 24016	74.25 1.20 -2.40	69.46 0.93 -2.34	60.47 0.80 -2.45	60.68 0.81 -2.26	65.95 1.00 -2.35	74.60 1.42 -2.38	75.95 1.85 -3.00	77.31 2.06 -4.23	75.43 1.85 -2.56	75.53 1.84 -2.74	75.39 1.78 -2.36	74.76 1.64 -2.03	74.61 1.56 -1.95	74.31 1.49 -1.87	74.15 1.42 -1.85	75.02 1.71 -2.14	74.85 1.85 -1.83	98.49 2.61 0.94	99.93 2.93 0.71	78.16 2.15 -1.79	77.56 2.06 -1.89	75.19 1.64 -2.46	74.69 1.42 -2.24	74.39 1.21 -2.24
HDSNBRDG_115KV_BRDG_TB1 355580	76.79 -0.92 -7.06	72.09 -0.99 -6.89	63.56 -0.86 -7.20	63.45 -0.81 -6.65	68.65 -0.88 -6.93	77.09 -0.71 -6.99	79.65 -0.28 -8.83	83.12 -0.36 -12.45	78.06 -0.50 -7.54	78.78 -0.28 -8.11	77.88 -0.36 -6.99	76.59 -0.50 -5.99	76.26 -0.57 -5.73	75.74 -0.71 -5.50	75.68 -0.71 -5.50	77.15 -0.43 -6.41	76.14 -0.43 -5.40	102.13 -0.19 -5.50	102.78 -0.20 -5.27	79.74 -0.15 -5.66	78.80 -0.37 -5.56	77.77 -0.57 -7.24	76.84 -0.78 -6.60	76.75 -0.78 -6.58
HELLGATE_13_KV_LD 55870	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.80 7.60 -93.18	169.19 7.88 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.63 7.90 -67.56	131.03 7.83 -52.04	216.56 10.65 -109.09	183.22 10.85 -74.67	167.08 8.31 -84.54	150.33 8.17 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.94 7.52 -65.47
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	153.69 7.06 -75.97	143.50 6.29 -71.02	131.70 5.38 -69.11	126.61 5.24 -63.76	134.81 5.76 -66.46	144.43 6.58 -67.04	165.00 6.61 -87.29	204.37 7.32 -126.03	171.80 7.60 -93.18	169.19 7.88 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.29 7.68 -64.51	143.22 7.66 -64.60	143.36 7.73 -64.75	146.63 7.90 -67.56	131.03 7.83 -52.04	216.56 10.65 -109.09	183.22 10.85 -74.67	167.08 8.31 -84.54	150.33 8.17 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.94 7.52 -65.47
HEMPSTEAD____ 23647	145.80 7.42 -67.74	138.95 6.68 -66.08	131.99 5.67 -69.11	126.61 5.24 -63.76	134.87 5.82 -66.45	144.87 7.01 -67.05	162.44 6.61 -84.73	197.95 7.46 -119.47	164.89 7.60 -86.27	157.91 7.52 -79.44	147.61 8.12 -68.25	145.09 8.24 -65.75	144.53 8.17 -65.26	145.16 8.16 -66.05	147.86 8.08 -68.90	150.30 8.25 -70.88	177.82 8.18 -98.48	217.35 11.42 -109.11	203.00 11.43 -93.87	198.66 8.61 -115.83	166.28 8.53 -84.14	161.28 8.17 -82.01	145.02 8.23 -65.77	147.51 8.09 -68.47
HEWLETT_69_KV_BK3 55828	146.59 8.20 -67.74	139.69 7.41 -66.08	132.62 6.29 -69.11	127.19 5.82 -63.76	135.44 6.38 -66.46	145.51 7.65 -67.06	163.01 7.18 -84.73	198.59 8.10 -119.47	165.53 8.24 -86.27	158.84 8.44 -79.45	148.54 9.05 -68.25	145.81 8.96 -65.76	145.03 8.67 -65.26	145.67 8.66 -66.06	148.51 8.72 -68.91	150.94 8.90 -70.88	142.25 8.97 -62.12	218.62 12.68 -109.11	204.28 12.70 -93.87	199.56 9.50 -115.83	173.81 9.27 -90.93	171.59 8.82 -91.68	145.81 9.02 -65.77	148.15 8.73 -68.48
HICKLING___1 23621	87.74 -1.41 -18.51	82.72 -1.52 -18.05	74.84 -1.26 -18.88	73.88 -1.15 -17.42	79.44 -1.31 -18.16	88.06 -1.06 -18.32	93.82 -0.43 -23.15	102.74 -0.92 -32.64	93.43 -1.28 -23.69	91.22 -0.99 -21.26	88.35 -1.21 -18.32	85.31 -1.49 -15.71	84.49 -1.64 -15.03	83.45 -1.92 -14.42	83.40 -1.91 -14.43	86.70 -1.28 -16.82	84.31 -1.00 -14.14	115.32 -0.58 -19.08	115.35 -0.68 -18.32	93.24 -0.37 -19.39	91.79 -0.88 -19.07	88.72 -1.35 -18.97	86.84 -1.49 -17.31	87.20 -0.99 -17.24
HICKLING___2 23622	87.74 -1.41 -18.51	82.72 -1.52 -18.05	74.84 -1.26 -18.88	73.88 -1.15 -17.42	79.44 -1.31 -18.16	88.06 -1.06 -18.32	93.82 -0.43 -23.15	102.74 -0.92 -32.64	93.43 -1.28 -23.69	91.22 -0.99 -21.26	88.35 -1.21 -18.32	85.31 -1.49 -15.71	84.49 -1.64 -15.03	83.45 -1.92 -14.42	83.40 -1.91 -14.43	86.70 -1.28 -16.82	84.31 -1.00 -14.14	115.32 -0.58 -19.08	115.35 -0.68 -18.32	93.24 -0.37 -19.39	91.79 -0.88 -19.07	88.72 -1.35 -18.97	86.84 -1.49 -17.31	87.20 -0.99 -17.24
HIGH FALLS___HY 23754	146.53 8.20 -67.69	139.44 7.21 -66.03	132.45 6.18 -69.06	127.49 6.16 -63.71	135.76 6.76 -66.41	145.88 8.07 -67.00	164.30 8.53 -84.67	199.35 8.95 -119.38	168.67 9.09 -88.56	158.62 8.87 -78.80	147.48 8.55 -67.68	137.14 8.25 -57.79	133.96 7.89 -54.97	131.55 7.88 -52.72	132.66 7.87 -53.91	143.13 8.47 -63.49	132.22 9.32 -51.73	206.20 12.30 -97.08	183.02 13.09 -72.22	164.14 9.95 -79.97	154.45 9.79 -71.06	149.38 8.89 -69.39	142.91 8.59 -63.30	142.37 8.37 -63.05
HIGH_RIVER___SOLAR 323847	169.10 3.88 -94.57	162.08 3.64 -92.25	156.78 3.09 -96.48	149.73 3.11 -89.01	158.81 3.44 -92.77	168.38 3.96 -93.61	193.65 4.27 -118.29	242.00 4.19 -166.79	242.01 4.05 -166.94	182.10 3.41 -107.74	167.49 3.21 -93.04	154.03 2.99 -79.95	150.66 2.77 -76.80	147.37 2.76 -73.66	146.63 2.98 -72.77	159.21 3.84 -84.20	218.30 4.27 -142.86	226.85 6.00 -124.02	242.92 6.06 -139.15	220.10 4.60 -141.28	224.56 4.64 -146.31	172.46 4.41 -96.95	163.64 4.19 -88.43	163.01 3.97 -88.09



HILLBURN___GT 23639	140.48 5.37 -64.46	133.84 4.77 -62.88	127.10 4.12 -65.76	122.32 4.03 -60.67	130.28 4.44 -63.24	139.78 5.17 -63.81	157.06 5.33 -80.63	190.53 5.82 -113.69	159.18 6.03 -82.12	152.58 6.10 -75.53	142.28 6.27 -64.77	132.48 6.18 -55.20	129.56 6.12 -52.35	127.26 6.10 -50.21	128.76 6.02 -51.85	138.74 6.19 -61.38	160.55 6.19 -83.19	207.51 8.61 -102.08	174.56 8.69 -68.17	158.09 6.53 -77.33	145.35 6.48 -65.26	143.30 6.12 -66.08	137.26 5.97 -60.28	136.74 5.74 -60.04
HILLSIDE_115KV_TB1 80332	87.75 -2.05 -19.15	82.82 -2.05 -18.68	74.98 -1.77 -19.53	74.02 -1.61 -18.02	79.50 -1.88 -18.78	87.99 -1.77 -18.95	93.77 -1.28 -23.95	103.08 -1.70 -33.77	93.50 -2.06 -24.54	91.17 -1.77 -22.00	88.27 -1.92 -18.95	85.14 -2.20 -16.25	84.30 -2.35 -15.55	83.31 -2.55 -14.91	83.26 -2.55 -14.93	86.57 -1.99 -17.40	84.09 -1.71 -14.63	114.83 -1.74 -19.75	114.92 -1.76 -18.97	93.03 -1.26 -20.07	91.66 -1.69 -19.74	88.66 -2.06 -19.63	86.72 -2.20 -17.90	87.08 -1.70 -17.83
HISHELDN_WT_PWR 323625	77.73 -5.93 -13.01	73.26 -5.63 -12.70	65.69 -4.81 -13.28	65.37 -4.49 -12.25	70.23 -5.13 -12.77	78.09 -5.60 -12.88	82.40 -4.98 -16.28	87.58 -6.39 -22.95	80.40 -6.89 -16.27	78.59 -7.31 -14.95	77.64 -6.48 -12.88	75.18 -6.96 -11.04	74.56 -7.11 -10.57	73.64 -7.45 -10.14	73.51 -7.52 -10.15	76.37 -6.62 -11.82	79.01 -6.19 -14.03	103.05 -7.06 -13.29	103.17 -7.33 -12.79	82.11 -5.64 -13.53	80.89 -6.03 -13.32	77.97 -6.47 -13.34	76.94 -6.25 -12.17	77.75 -5.32 -12.12
HOLTSVILLE_IC_1 23690	147.43 9.05 -67.74	140.41 8.14 -66.08	133.24 6.92 -69.11	127.65 6.28 -63.76	136.06 7.01 -66.45	146.42 8.56 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.60 8.31 -86.27	158.62 8.23 -79.44	148.32 8.83 -68.24	146.09 9.24 -65.75	145.39 9.03 -65.26	146.16 9.16 -66.05	148.86 9.08 -68.90	151.29 9.25 -70.88	178.96 9.32 -98.48	219.49 13.55 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.77 9.72 -81.45	158.86 9.59 -78.17	146.65 9.87 -65.76	149.36 9.93 -68.48
HOLTSVILLE_IC_10 23699	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.94 6.57 -63.76	136.37 7.32 -66.45	146.78 8.92 -67.05	163.72 7.89 -84.73	199.29 8.80 -119.47	165.95 8.66 -86.27	158.98 8.58 -79.44	148.61 9.12 -68.24	146.44 9.59 -65.75	145.67 9.31 -65.26	146.52 9.51 -66.05	149.21 9.43 -68.90	151.72 9.68 -70.88	179.32 9.68 -98.48	220.07 14.14 -109.11	205.74 14.16 -93.87	200.44 10.39 -115.83	165.26 10.16 -81.49	159.36 10.03 -78.24	147.01 10.23 -65.76	149.79 10.36 -68.48
HOLTSVILLE_IC_2 23691	147.43 9.05 -67.74	140.41 8.14 -66.08	133.24 6.92 -69.11	127.65 6.28 -63.76	136.06 7.01 -66.45	146.42 8.56 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.60 8.31 -86.27	158.62 8.23 -79.44	148.32 8.83 -68.24	146.09 9.24 -65.75	145.39 9.03 -65.26	146.16 9.16 -66.05	148.86 9.08 -68.90	151.29 9.25 -70.88	178.96 9.32 -98.48	219.49 13.55 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.77 9.72 -81.45	158.86 9.59 -78.17	146.65 9.87 -65.76	149.36 9.93 -68.48
HOLTSVILLE_IC_3 23692	147.43 9.05 -67.74	140.41 8.14 -66.08	133.24 6.92 -69.11	127.65 6.28 -63.76	136.06 7.01 -66.45	146.42 8.56 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.60 8.31 -86.27	158.62 8.23 -79.44	148.32 8.83 -68.24	146.09 9.24 -65.75	145.39 9.03 -65.26	146.16 9.16 -66.05	148.86 9.08 -68.90	151.29 9.25 -70.88	178.96 9.32 -98.48	219.49 13.55 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.77 9.72 -81.45	158.86 9.59 -78.17	146.65 9.87 -65.76	149.36 9.93 -68.48
HOLTSVILLE_IC_4 23693	147.43 9.05 -67.74	140.41 8.14 -66.08	133.24 6.92 -69.11	127.65 6.28 -63.76	136.06 7.01 -66.45	146.42 8.56 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.60 8.31 -86.27	158.62 8.23 -79.44	148.32 8.83 -68.24	146.09 9.24 -65.75	145.39 9.03 -65.26	146.16 9.16 -66.05	148.86 9.08 -68.90	151.29 9.25 -70.88	178.96 9.32 -98.48	219.49 13.55 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.77 9.72 -81.45	158.86 9.59 -78.17	146.65 9.87 -65.76	149.36 9.93 -68.48
HOLTSVILLE_IC_5 23694	147.43 9.05 -67.74	140.41 8.14 -66.08	133.24 6.92 -69.11	127.65 6.28 -63.76	136.06 7.01 -66.45	146.42 8.56 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.60 8.31 -86.27	158.62 8.23 -79.44	148.32 8.83 -68.24	146.09 9.24 -65.75	145.39 9.03 -65.26	146.16 9.16 -66.05	148.86 9.08 -68.90	151.29 9.25 -70.88	178.96 9.32 -98.48	219.49 13.55 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.77 9.72 -81.45	158.86 9.59 -78.17	146.65 9.87 -65.76	149.36 9.93 -68.48
HOLTSVILLE_IC_6 23695	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.94 6.57 -63.76	136.37 7.32 -66.45	146.78 8.92 -67.05	163.72 7.89 -84.73	199.29 8.80 -119.47	165.95 8.66 -86.27	158.98 8.58 -79.44	148.61 9.12 -68.24	146.44 9.59 -65.75	145.67 9.31 -65.26	146.52 9.51 -66.05	149.21 9.43 -68.90	151.72 9.68 -70.88	179.32 9.68 -98.48	220.07 14.14 -109.11	205.74 14.16 -93.87	200.44 10.39 -115.83	165.26 10.16 -81.49	159.36 10.03 -78.24	147.01 10.23 -65.76	149.79 10.36 -68.48
HOLTSVILLE_IC_7 23696	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.94 6.57 -63.76	136.37 7.32 -66.45	146.78 8.92 -67.05	163.72 7.89 -84.73	199.29 8.80 -119.47	165.95 8.66 -86.27	158.98 8.58 -79.44	148.61 9.12 -68.24	146.44 9.59 -65.75	145.67 9.31 -65.26	146.52 9.51 -66.05	149.21 9.43 -68.90	151.72 9.68 -70.88	179.32 9.68 -98.48	220.07 14.14 -109.11	205.74 14.16 -93.87	200.44 10.39 -115.83	165.26 10.16 -81.49	159.36 10.03 -78.24	147.01 10.23 -65.76	149.79 10.36 -68.48
HOLTSVILLE_IC_8 23697	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.94 6.57 -63.76	136.37 7.32 -66.45	146.78 8.92 -67.05	163.72 7.89 -84.73	199.29 8.80 -119.47	165.95 8.66 -86.27	158.98 8.58 -79.44	148.61 9.12 -68.24	146.44 9.59 -65.75	145.67 9.31 -65.26	146.52 9.51 -66.05	149.21 9.43 -68.90	151.72 9.68 -70.88	179.32 9.68 -98.48	220.07 14.14 -109.11	205.74 14.16 -93.87	200.44 10.39 -115.83	165.26 10.16 -81.49	159.36 10.03 -78.24	147.01 10.23 -65.76	149.79 10.36 -68.48
HOLTSVILLE_IC_9 23698	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.94 6.57 -63.76	136.37 7.32 -66.45	146.78 8.92 -67.05	163.72 7.89 -84.73	199.29 8.80 -119.47	165.95 8.66 -86.27	158.98 8.58 -79.44	148.61 9.12 -68.24	146.44 9.59 -65.75	145.67 9.31 -65.26	146.52 9.51 -66.05	149.21 9.43 -68.90	151.72 9.68 -70.88	179.32 9.68 -98.48	220.07 14.14 -109.11	205.74 14.16 -93.87	200.44 10.39 -115.83	165.26 10.16 -81.49	159.36 10.03 -78.24	147.01 10.23 -65.76	149.79 10.36 -68.48
HOMER_HL_115KV_TB2 355744	78.47 -5.86 -13.68	73.98 -5.56 -13.35	66.37 -4.81 -13.96	65.88 -4.61 -12.88	70.76 -5.26 -13.42	78.76 -5.59 -13.54	83.31 -4.91 -17.11	89.26 -5.89 -24.13	81.64 -6.53 -17.15	80.78 -5.89 -15.72	78.59 -6.20 -13.54	76.17 -6.54 -11.61	75.52 -6.68 -11.11	74.65 -6.95 -10.66	74.53 -7.02 -10.67	77.33 -6.26 -12.43	75.72 -5.91 -10.46	103.75 -7.07 -14.00	103.94 -7.23 -13.46	83.13 -5.34 -14.24	81.52 -6.11 -14.02	78.73 -6.40 -14.03	77.42 -6.39 -12.79	78.37 -5.32 -12.74
HOWARD_WT_PWR 323690	81.25 -4.81 -15.41	76.39 -4.83 -15.03	68.81 -4.12 -15.72	68.20 -3.92 -14.50	73.27 -4.44 -15.12	81.52 -4.53 -15.25	86.53 -3.84 -19.27	93.44 -4.76 -27.17	85.35 -5.25 -19.58	82.83 -5.82 -17.70	81.22 -5.27 -15.25	78.42 -5.76 -13.07	77.71 -5.90 -12.51	76.71 -6.24 -12.00	76.66 -6.24 -12.01	79.82 -5.34 -14.00	83.00 -4.84 -16.67	107.50 -5.13 -15.81	107.73 -5.18 -15.20	86.30 -4.01 -16.08	85.31 -4.12 -15.82	82.27 -4.62 -15.80	80.74 -4.69 -14.41	81.26 -4.04 -14.35



HQ_GEN_CEDARS 23644	69.02 -1.62 0.00	64.87 -1.32 0.00	56.07 -1.14 0.00	56.35 -1.27 0.00	61.28 -1.31 0.00	69.11 -1.70 0.00	69.04 -2.06 0.00	69.10 -1.92 0.00	69.03 -1.99 0.00	68.54 -2.41 0.00	68.82 -2.42 0.00	68.82 -2.28 0.00	68.96 -2.13 0.00	69.04 -1.92 0.00	68.97 -1.91 0.00	68.89 -2.28 0.00	68.75 -2.42 0.00	70.96 -4.94 20.93	70.96 -5.08 21.66	70.44 -3.79 0.00	70.88 -2.72 0.00	68.89 -2.20 0.00	68.96 -2.06 0.00	69.18 -1.77 0.00
HQ_GEN_CEDARS_PROXY 323590	69.03 -1.62 0.00	64.87 -1.32 0.00	56.07 -1.14 0.00	56.35 -1.27 0.00	61.28 -1.32 0.00	69.11 -1.70 0.00	69.03 -2.06 0.00	69.17 -1.85 0.00	69.11 -1.91 0.00	69.04 -1.91 0.00	68.89 -2.35 0.00	68.89 -2.20 0.00	68.97 -2.13 0.00	69.04 -1.91 0.00	69.04 -1.84 0.00	68.89 -2.28 0.00	68.89 -2.28 0.00	70.96 -4.93 20.93	70.96 -5.08 21.66	70.96 -3.26 0.00	70.96 -2.65 0.00	68.97 -2.13 0.00	68.96 -2.06 0.00	69.11 -1.85 0.00
HQ_GEN_IMPORT 323601	69.38 -1.27 0.00	65.13 -1.06 0.00	56.30 -0.92 0.00	56.63 -0.98 0.00	61.53 -1.06 0.00	69.39 -1.42 0.00	69.39 -1.71 0.00	69.39 -1.63 0.00	69.39 -1.63 0.00	69.39 -1.56 0.00	69.39 -1.85 0.00	69.39 -1.71 0.00	69.39 -1.71 0.00	69.39 -1.56 0.00	69.39 -1.49 0.00	69.39 -1.78 0.00	69.39 -1.78 0.00	87.00 -3.00 6.82	87.62 -3.03 7.06	72.00 -2.22 0.00	71.55 -2.06 0.00	69.39 -1.71 0.00	69.39 -1.63 0.00	69.39 -1.56 0.00
HQ_GEN_WHEEL 23651	69.38 -1.27 0.00	65.13 -1.06 0.00	56.30 -0.92 0.00	56.63 -0.98 0.00	61.53 -1.06 0.00	69.39 -1.42 0.00	69.39 -1.71 0.00	69.39 -1.63 0.00	69.39 -1.63 0.00	69.39 -1.56 0.00	69.39 -1.85 0.00	69.39 -1.71 0.00	69.39 -1.71 0.00	69.39 -1.56 0.00	69.39 -1.49 0.00	69.39 -1.78 0.00	69.39 -1.78 0.00	87.00 -3.00 6.82	87.62 -3.03 7.06	72.00 -2.22 0.00	71.55 -2.06 0.00	69.39 -1.71 0.00	69.39 -1.63 0.00	69.39 -1.56 0.00
HUDSON_AVE_GT_3 23810	145.22 6.85 -67.72	138.28 6.02 -66.06	131.46 5.15 -69.09	126.37 5.01 -63.74	134.54 5.51 -66.44	144.14 6.30 -67.04	162.13 6.33 -84.71	197.56 7.10 -119.44	164.73 7.46 -86.25	158.11 7.73 -79.43	147.10 7.77 -68.09	136.86 7.75 -58.02	133.63 7.54 -55.00	131.22 7.52 -52.75	133.03 7.58 -54.56	143.49 7.69 -64.64	130.61 7.69 -51.75	216.36 10.46 -109.08	180.13 10.55 -71.87	164.09 8.09 -81.78	150.09 7.95 -68.54	148.13 7.61 -69.43	141.88 7.53 -63.33	141.27 7.24 -63.08
HUDSON_AVE_GT_4 23540	145.22 6.85 -67.72	138.28 6.02 -66.06	131.46 5.15 -69.09	126.37 5.01 -63.74	134.54 5.51 -66.44	144.14 6.30 -67.04	162.13 6.33 -84.71	197.56 7.10 -119.44	164.73 7.46 -86.25	158.11 7.73 -79.43	147.10 7.77 -68.09	136.86 7.75 -58.02	133.63 7.54 -55.00	131.22 7.52 -52.75	133.03 7.58 -54.56	143.49 7.69 -64.64	130.61 7.69 -51.75	216.36 10.46 -109.08	180.13 10.55 -71.87	164.09 8.09 -81.78	150.09 7.95 -68.54	148.13 7.61 -69.43	141.88 7.53 -63.33	141.27 7.24 -63.08
HUDSON_AVE_GT_5 23657	145.22 6.85 -67.72	138.28 6.02 -66.06	131.46 5.15 -69.09	126.37 5.01 -63.74	134.54 5.51 -66.44	144.14 6.30 -67.04	162.13 6.33 -84.71	197.56 7.10 -119.44	164.73 7.46 -86.25	158.11 7.73 -79.43	147.10 7.77 -68.09	136.86 7.75 -58.02	133.63 7.54 -55.00	131.22 7.52 -52.75	133.03 7.58 -54.56	143.49 7.69 -64.64	130.61 7.69 -51.75	216.36 10.46 -109.08	180.13 10.55 -71.87	164.09 8.09 -81.78	150.09 7.95 -68.54	148.13 7.61 -69.43	141.88 7.53 -63.33	141.27 7.24 -63.08
HUDSON_AVE_10 24168	145.08 6.71 -67.72	138.14 5.89 -66.06	131.34 5.04 -69.09	126.25 4.90 -63.74	134.41 5.38 -66.44	144.00 6.16 -67.04	161.99 6.19 -84.71	197.49 7.03 -119.44	164.66 7.39 -86.25	158.04 7.66 -79.43	146.96 7.62 -68.09	136.72 7.61 -58.02	133.49 7.39 -55.00	131.08 7.38 -52.75	132.89 7.44 -54.56	143.35 7.54 -64.64	130.46 7.54 -51.75	216.16 10.26 -109.08	180.03 10.45 -71.87	163.94 7.94 -81.78	150.02 7.88 -68.54	147.99 7.47 -69.43	141.81 7.46 -63.33	141.20 7.17 -63.08
HUDSON___115KV_TB 4 355613	160.69 4.17 -85.88	153.80 3.84 -83.77	148.09 3.26 -87.61	141.84 3.40 -80.83	150.16 3.32 -84.25	159.71 3.89 -85.01	182.64 4.12 -107.42	226.46 3.98 -151.46	197.97 4.12 -122.83	172.74 3.83 -97.95	159.37 3.56 -84.56	147.22 3.48 -72.64	144.53 3.70 -69.74	141.53 3.69 -66.89	140.21 3.12 -66.21	151.12 3.27 -76.68	140.42 3.63 -65.63	186.58 5.62 -84.15	198.16 4.98 -95.47	175.83 3.79 -97.82	178.97 3.83 -101.54	162.69 3.55 -88.04	155.16 3.84 -80.30	154.63 3.69 -79.99
HUNTER MOUNT___DRP 323613	158.18 4.38 -83.15	151.34 4.04 -81.12	145.48 3.43 -84.83	139.45 3.57 -78.27	147.68 3.51 -81.58	157.36 4.25 -82.31	179.66 4.55 -104.01	222.01 4.33 -146.66	192.29 4.40 -116.86	170.11 4.04 -95.12	156.93 3.63 -82.06	145.01 3.48 -70.43	142.32 3.70 -67.53	139.41 3.69 -64.77	138.40 3.12 -64.40	149.28 3.34 -74.77	138.70 3.99 -63.55	189.38 6.58 -85.98	194.48 5.57 -91.20	172.86 4.16 -94.48	173.88 4.20 -96.07	160.19 3.84 -85.25	152.76 3.98 -77.76	152.31 3.90 -77.46
HUNTINGTON_RES_REC 323705	146.79 8.40 -67.74	140.01 7.74 -66.08	132.90 6.58 -69.11	127.31 5.94 -63.76	135.68 6.63 -66.45	145.85 8.00 -67.05	162.65 6.83 -84.73	198.23 7.74 -119.47	165.03 7.74 -86.27	158.13 7.73 -79.44	148.03 8.55 -68.24	145.88 9.03 -65.75	145.17 8.81 -65.26	145.87 8.87 -66.05	148.50 8.72 -68.90	150.87 8.82 -70.88	178.32 8.68 -98.48	218.61 12.68 -109.11	204.37 12.80 -93.87	199.40 9.35 -115.83	164.20 9.13 -81.46	158.18 8.89 -78.20	146.23 9.45 -65.76	148.79 9.36 -68.48
HUNTLEY___63 23557	75.72 -6.29 -11.36	71.38 -5.89 -11.08	63.77 -5.04 -11.59	63.53 -4.78 -10.69	68.29 -5.45 -11.15	76.18 -5.88 -11.25	80.12 -5.19 -14.21	84.46 -6.60 -20.04	77.91 -7.17 -14.06	77.76 -6.24 -13.05	75.79 -6.70 -11.25	73.56 -7.18 -9.64	73.00 -7.32 -9.23	72.21 -7.59 -8.85	72.01 -7.73 -8.86	74.65 -6.83 -10.32	73.23 -6.62 -8.68	100.63 -7.75 -11.56	100.73 -8.11 -11.13	80.06 -5.94 -11.78	78.50 -6.70 -11.59	75.78 -6.97 -11.65	74.83 -6.82 -10.62	75.72 -5.82 -10.58
HUNTLEY___64 23558	75.72 -6.29 -11.36	71.38 -5.89 -11.08	63.77 -5.04 -11.59	63.53 -4.78 -10.69	68.29 -5.45 -11.15	76.18 -5.88 -11.25	80.12 -5.19 -14.21	84.46 -6.60 -20.04	77.91 -7.17 -14.06	77.76 -6.24 -13.05	75.79 -6.70 -11.25	73.56 -7.18 -9.64	73.00 -7.32 -9.23	72.21 -7.59 -8.85	72.01 -7.73 -8.86	74.65 -6.83 -10.32	73.23 -6.62 -8.68	100.63 -7.75 -11.56	100.73 -8.11 -11.13	80.06 -5.94 -11.78	78.50 -6.70 -11.59	75.78 -6.97 -11.65	74.83 -6.82 -10.62	75.72 -5.82 -10.58
HUNTLEY___65 23559	75.72 -6.29 -11.36	71.38 -5.89 -11.08	63.77 -5.04 -11.59	63.53 -4.78 -10.69	68.29 -5.45 -11.15	76.18 -5.88 -11.25	80.12 -5.19 -14.21	84.46 -6.60 -20.04	77.91 -7.17 -14.06	77.76 -6.24 -13.05	75.79 -6.70 -11.25	73.56 -7.18 -9.64	73.00 -7.32 -9.23	72.21 -7.59 -8.85	72.01 -7.73 -8.86	74.65 -6.83 -10.32	73.23 -6.62 -8.68	100.63 -7.75 -11.56	100.73 -8.11 -11.13	80.06 -5.94 -11.78	78.50 -6.70 -11.59	75.78 -6.97 -11.65	74.83 -6.82 -10.62	75.72 -5.82 -10.58
HUNTLEY___66 23560	75.72 -6.29 -11.36	71.38 -5.89 -11.08	63.77 -5.04 -11.59	63.53 -4.78 -10.69	68.29 -5.45 -11.15	76.18 -5.88 -11.25	80.12 -5.19 -14.21	84.46 -6.60 -20.04	77.91 -7.17 -14.06	77.76 -6.24 -13.05	75.79 -6.70 -11.25	73.56 -7.18 -9.64	73.00 -7.32 -9.23	72.21 -7.59 -8.85	72.01 -7.73 -8.86	74.65 -6.83 -10.32	73.23 -6.62 -8.68	100.63 -7.75 -11.56	100.73 -8.11 -11.13	80.06 -5.94 -11.78	78.50 -6.70 -11.59	75.78 -6.97 -11.65	74.83 -6.82 -10.62	75.72 -5.82 -10.58



HUNTLEY___67 23561	75.66 -6.57 -11.58	71.39 -6.09 -11.29	63.82 -5.21 -11.81	63.55 -4.95 -10.90	68.32 -5.63 -11.36	76.18 -6.09 -11.46	80.10 -5.47 -14.48	84.55 -6.89 -20.42	77.85 -7.46 -14.28	77.65 -6.60 -13.30	75.65 -7.05 -11.46	73.46 -7.47 -9.82	72.96 -7.54 -9.40	72.09 -7.88 -9.02	71.97 -7.94 -9.02	74.56 -7.12 -10.51	73.18 -6.83 -8.85	100.47 -8.13 -11.78	100.65 -8.40 -11.34	79.99 -6.23 -12.00	78.50 -6.92 -11.82	75.78 -7.18 -11.87	74.81 -7.03 -10.83	75.70 -6.03 -10.78
HUNTLEY___68 23562	75.66 -6.57 -11.58	71.39 -6.09 -11.29	63.82 -5.21 -11.81	63.55 -4.95 -10.90	68.32 -5.63 -11.36	76.18 -6.09 -11.46	80.10 -5.47 -14.48	84.55 -6.89 -20.42	77.85 -7.46 -14.28	77.65 -6.60 -13.30	75.65 -7.05 -11.46	73.46 -7.47 -9.82	72.96 -7.54 -9.40	72.09 -7.88 -9.02	71.97 -7.94 -9.02	74.56 -7.12 -10.51	73.18 -6.83 -8.85	100.47 -8.13 -11.78	100.65 -8.40 -11.34	79.99 -6.23 -12.00	78.50 -6.92 -11.82	75.78 -7.18 -11.87	74.81 -7.03 -10.83	75.70 -6.03 -10.78
HYLAND___LFG 323620	83.14 -0.21 -12.70	78.25 -0.33 -12.39	69.89 -0.28 -12.95	69.45 -0.11 -11.95	74.93 -0.12 -12.46	83.59 0.21 -12.57	88.68 1.70 -15.88	90.72 -2.70 -22.40	83.70 -3.48 -16.16	81.42 -4.12 -14.59	79.96 -3.85 -12.57	77.18 -4.69 -10.78	76.57 -4.84 -10.31	75.59 -5.25 -9.89	75.68 -5.10 -9.90	78.79 -3.91 -11.53	81.65 -3.20 -13.68	106.88 -2.90 -12.96	107.05 -3.13 -12.47	85.34 -2.08 -13.20	88.21 1.62 -12.99	84.68 0.57 -13.02	83.18 0.29 -11.87	83.28 0.50 -11.83
INDECK___CORINTH 23802	167.99 5.79 -91.54	160.98 5.49 -89.30	155.24 4.63 -93.39	148.50 4.73 -86.17	157.66 5.26 -89.81	165.38 3.96 -90.62	189.94 4.34 -114.51	236.88 4.40 -161.46	237.12 4.48 -161.62	179.45 4.19 -104.31	165.52 4.20 -90.07	152.55 4.05 -77.40	149.13 3.69 -74.34	145.80 3.55 -71.30	145.17 3.82 -70.46	156.98 4.27 -81.55	214.26 4.62 -138.47	223.61 6.29 -120.50	238.83 6.35 -134.77	216.01 4.90 -136.89	220.25 5.01 -141.63	171.48 6.54 -93.85	162.80 6.18 -85.60	162.11 5.89 -85.27
INDECK___ILION 23567	72.06 1.41 0.00	67.45 1.26 0.00	58.30 1.09 0.00	58.71 1.09 0.00	63.85 1.25 0.00	72.29 1.49 0.00	72.66 1.56 0.00	72.58 1.56 0.00	72.51 1.49 0.00	72.51 1.56 0.00	72.81 1.57 0.00	72.59 1.49 0.00	72.59 1.49 0.00	72.37 1.42 0.00	72.30 1.42 0.00	72.73 1.57 0.00	72.73 1.57 0.00	100.30 2.23 -1.25	101.34 2.34 -1.29	76.01 1.78 0.00	75.30 1.69 0.00	72.66 1.56 0.00	72.58 1.56 0.00	72.44 1.49 0.00
INDECK___OLEAN 23982	78.47 -5.86 -13.68	73.98 -5.56 -13.35	66.43 -4.75 -13.96	65.94 -4.55 -12.88	70.82 -5.19 -13.42	78.75 -5.60 -13.54	83.31 -4.90 -17.11	89.04 -6.11 -24.13	81.49 -6.68 -17.15	79.72 -6.95 -15.72	78.52 -6.27 -13.54	76.02 -6.69 -11.61	75.45 -6.76 -11.11	74.58 -7.03 -10.66	74.46 -7.09 -10.67	77.26 -6.33 -12.43	79.81 -6.12 -14.77	103.75 -7.06 -14.00	103.84 -7.33 -13.46	82.76 -5.71 -14.24	81.52 -6.11 -14.02	78.65 -6.47 -14.03	77.42 -6.39 -12.79	78.45 -5.25 -12.74
INDECK___OSWEGO 23783	73.13 -2.68 -5.17	68.65 -2.58 -5.04	60.25 -2.23 -5.27	60.29 -2.19 -4.86	65.22 -2.44 -5.07	73.30 -2.62 -5.11	75.21 -2.34 -6.46	77.72 -2.41 -9.11	73.98 -2.55 -5.52	74.29 -2.55 -5.89	73.98 -2.35 -5.09	73.05 -2.42 -4.37	72.80 -2.49 -4.20	72.42 -2.55 -4.02	72.32 -2.55 -3.98	73.36 -2.42 -4.61	72.69 -2.42 -3.95	96.28 -3.00 -2.46	97.80 -3.03 -3.12	75.69 -2.38 -3.85	75.25 -2.43 -4.07	73.90 -2.49 -5.30	73.30 -2.55 -4.83	73.78 -1.99 -4.81
INDECK___YERKES 23781	75.72 -6.29 -11.36	71.51 -5.76 -11.08	63.94 -4.86 -11.59	63.70 -4.61 -10.69	68.42 -5.32 -11.15	76.25 -5.80 -11.25	80.19 -5.12 -14.21	84.31 -6.75 -20.04	77.77 -7.31 -14.06	76.34 -7.66 -13.05	75.72 -6.77 -11.25	73.49 -7.25 -9.64	72.93 -7.40 -9.23	72.14 -7.66 -8.85	72.02 -7.72 -8.86	74.58 -6.90 -10.32	76.68 -6.69 -12.21	100.73 -7.65 -11.56	100.73 -8.11 -11.13	79.77 -6.23 -11.78	78.58 -6.62 -11.59	75.64 -7.11 -11.65	74.90 -6.75 -10.62	75.79 -5.74 -10.58
INDIAN POINT_GT_1 24139	143.48 5.79 -67.03	136.75 5.16 -65.39	130.01 4.41 -68.39	125.03 4.32 -63.10	133.11 4.76 -65.76	142.61 5.45 -66.36	160.56 5.62 -83.85	195.43 6.18 -118.23	162.79 6.39 -85.38	156.15 6.60 -78.60	145.26 6.63 -67.39	135.06 6.54 -57.42	131.86 6.33 -54.44	129.48 6.31 -52.21	131.26 6.38 -53.99	141.67 6.55 -63.95	128.94 6.55 -51.23	213.53 9.10 -107.61	177.88 9.09 -71.09	162.04 6.98 -80.84	148.22 6.77 -67.85	146.29 6.47 -68.72	140.03 6.32 -62.69	139.50 6.10 -62.44
INDIAN POINT_GT_2 23659	143.48 5.79 -67.03	136.75 5.16 -65.39	130.01 4.41 -68.39	125.03 4.32 -63.10	133.11 4.76 -65.76	142.61 5.45 -66.36	160.56 5.62 -83.85	195.43 6.18 -118.23	162.79 6.39 -85.38	156.15 6.60 -78.60	145.26 6.63 -67.39	135.06 6.54 -57.42	131.86 6.33 -54.44	129.48 6.31 -52.21	131.26 6.38 -53.99	141.67 6.55 -63.95	128.94 6.55 -51.23	213.53 9.10 -107.61	177.88 9.09 -71.09	162.04 6.98 -80.84	148.22 6.77 -67.85	146.29 6.47 -68.72	140.03 6.32 -62.69	139.50 6.10 -62.44
INDIAN POINT_GT_3 24019	143.48 5.79 -67.03	136.75 5.16 -65.39	130.01 4.41 -68.39	125.03 4.32 -63.10	133.11 4.76 -65.76	142.61 5.45 -66.36	160.56 5.62 -83.85	195.43 6.18 -118.23	162.79 6.39 -85.38	156.15 6.60 -78.60	145.26 6.63 -67.39	135.06 6.54 -57.42	131.86 6.33 -54.44	129.48 6.31 -52.21	131.26 6.38 -53.99	141.67 6.55 -63.95	128.94 6.55 -51.23	213.53 9.10 -107.61	177.88 9.09 -71.09	162.04 6.98 -80.84	148.22 6.77 -67.85	146.29 6.47 -68.72	140.03 6.32 -62.69	139.50 6.10 -62.44
INDIAN POINT___2 23530	142.25 5.51 -66.09	135.56 4.90 -64.47	128.88 4.23 -67.42	123.91 4.09 -62.21	132.00 4.57 -64.84	141.54 5.31 -65.42	159.17 5.40 -82.67	193.47 5.89 -116.56	161.38 6.18 -84.18	154.67 6.25 -77.48	144.09 6.41 -66.43	134.03 6.33 -56.61	131.03 6.26 -53.67	128.67 6.25 -51.48	130.26 6.16 -53.21	140.51 6.33 -63.01	163.15 6.33 -85.65	211.22 8.81 -105.59	176.52 8.80 -70.02	160.46 6.68 -79.56	147.05 6.55 -66.90	145.11 6.26 -67.75	139.00 6.18 -61.80	138.47 5.96 -61.56
INDIAN POINT___3 23531	143.32 5.58 -67.09	136.66 5.03 -65.44	129.95 4.29 -68.44	125.02 4.26 -63.15	133.04 4.63 -65.81	142.52 5.31 -66.41	160.42 5.40 -83.91	195.31 5.97 -118.32	162.64 6.18 -85.44	156.00 6.39 -78.67	145.10 6.41 -67.45	134.89 6.33 -57.47	131.76 6.19 -54.48	129.38 6.17 -52.25	131.16 6.24 -54.04	141.51 6.33 -64.01	128.84 6.40 -51.27	213.36 8.81 -107.73	177.75 8.89 -71.15	161.89 6.75 -80.91	148.13 6.62 -67.90	146.13 6.26 -68.78	139.93 6.18 -62.73	139.33 5.89 -62.49
INGHAM_C_115KV_TB7 356103	72.84 2.19 0.00	68.18 1.99 0.00	58.93 1.72 0.00	59.28 1.67 0.00	64.47 1.88 0.00	73.00 2.19 0.00	73.30 2.20 0.00	73.22 2.20 0.00	73.15 2.13 0.00	73.15 2.20 0.00	73.45 2.21 0.00	73.23 2.13 0.00	73.30 2.20 0.00	73.01 2.06 0.00	72.94 2.06 0.00	73.37 2.21 0.00	73.37 2.21 0.00	101.17 3.10 -1.25	102.22 3.22 -1.29	76.67 2.45 0.00	75.89 2.28 0.00	73.37 2.28 0.00	73.36 2.34 0.00	73.22 2.27 0.00
IP CORINTH___1 23988	166.22 4.03 -91.54	159.26 3.77 -89.30	153.81 3.20 -93.39	147.01 3.23 -86.17	156.03 3.63 -89.81	165.74 4.32 -90.62	190.37 4.76 -114.51	237.31 4.83 -161.46	237.54 4.90 -161.62	180.02 4.75 -104.31	167.73 6.41 -90.07	154.68 6.19 -77.40	151.27 5.83 -74.34	148.00 5.75 -71.30	147.30 5.95 -70.46	159.12 6.40 -81.55	147.96 6.83 -69.96	226.81 9.49 -120.50	241.86 9.38 -134.77	218.24 7.13 -136.89	222.38 7.14 -141.63	171.49 6.54 -93.85	162.80 6.18 -85.60	162.11 5.89 -85.27



IP___TICONDEROGA 23804	169.22 7.14 -91.44	162.14 6.75 -89.20	156.16 5.66 -93.28	149.38 5.70 -86.06	158.68 6.38 -89.70	168.89 7.58 -90.51	193.79 8.32 -114.37	240.81 8.52 -161.26	240.56 8.52 -161.01	183.38 8.23 -104.19	170.69 9.48 -89.97	157.58 9.17 -77.31	153.95 8.60 -74.25	150.54 8.37 -71.22	149.99 8.72 -70.38	162.02 9.39 -81.46	151.29 10.25 -69.88	230.87 14.04 -120.01	245.76 13.87 -134.18	221.07 10.54 -136.31	225.22 10.60 -141.01	174.58 9.74 -93.74	165.61 9.09 -85.50	164.85 8.73 -85.17
ISLIP_RES_REC 323679	148.14 9.75 -67.74	141.07 8.80 -66.08	133.82 7.49 -69.11	128.17 6.80 -63.76	136.62 7.57 -66.45	147.13 9.27 -67.05	164.14 8.31 -84.73	199.79 9.30 -119.47	166.38 9.09 -86.27	159.41 9.01 -79.44	149.10 9.61 -68.24	146.87 10.03 -65.75	146.10 9.74 -65.26	146.86 9.86 -66.05	149.63 9.85 -68.90	152.14 10.10 -70.88	179.82 10.18 -98.48	220.75 14.81 -109.11	206.42 14.85 -93.87	200.97 10.91 -115.83	165.73 10.60 -81.53	159.84 10.45 -78.29	147.44 10.65 -65.76	150.21 10.78 -68.48
JAMAICA__27_KV_LOAD 355505	145.44 7.06 -67.72	138.41 6.16 -66.06	131.74 5.44 -69.09	126.60 5.24 -63.74	134.85 5.82 -66.44	144.43 6.58 -67.04	162.42 6.61 -84.71	198.13 7.67 -119.44	165.37 8.10 -86.25	158.82 8.44 -79.43	147.53 8.19 -68.09	137.29 8.18 -58.02	133.99 7.89 -55.00	131.57 7.88 -52.75	133.46 8.01 -54.56	143.92 8.11 -64.64	130.96 8.04 -51.75	216.84 10.94 -109.08	180.81 11.24 -71.87	164.68 8.68 -81.78	150.76 8.61 -68.54	148.56 8.03 -69.43	142.45 8.10 -63.33	141.77 7.73 -63.08
JANIS___SOLAR 323808	93.98 3.67 -19.65	88.47 3.11 -19.17	79.96 2.69 -20.05	78.88 2.77 -18.50	85.00 3.13 -19.28	94.44 4.18 -19.46	100.80 5.12 -24.59	110.73 5.04 -34.67	102.02 4.61 -26.38	97.72 4.19 -22.58	94.90 4.20 -19.46	91.76 3.98 -16.68	91.04 3.98 -15.96	89.81 3.55 -15.31	89.68 3.47 -15.33	93.37 4.34 -17.86	98.38 4.70 -22.51	125.62 7.35 -21.44	126.15 7.82 -20.62	101.70 5.72 -21.76	100.39 5.37 -21.41	95.73 4.48 -20.15	93.52 4.12 -18.38	93.37 4.11 -18.31
JARVIS____ 23743	71.28 0.63 0.00	66.78 0.59 0.00	57.73 0.51 0.00	58.13 0.52 0.00	63.16 0.56 0.00	71.51 0.71 0.00	71.81 0.71 0.00	71.73 0.71 0.00	71.73 0.71 0.00	71.66 0.71 0.00	72.03 0.79 0.00	71.88 0.78 0.00	71.88 0.78 0.00	71.66 0.71 0.00	71.59 0.71 0.00	71.95 0.78 0.00	71.95 0.78 0.00	99.24 1.17 -1.25	100.18 1.18 -1.29	75.12 0.89 0.00	74.42 0.81 0.00	71.88 0.78 0.00	71.80 0.78 0.00	71.66 0.71 0.00
JENNISON___1 23625	99.72 3.96 -25.11	94.06 3.38 -24.50	85.75 2.92 -25.62	84.19 2.94 -23.64	90.55 3.32 -24.64	99.91 4.25 -24.86	107.63 5.12 -31.41	120.50 5.18 -44.29	110.64 4.83 -34.79	104.84 5.04 -28.85	100.95 4.84 -24.86	97.10 4.69 -21.31	96.04 4.55 -20.39	94.70 4.19 -19.56	94.51 4.04 -19.58	98.68 4.70 -22.82	95.34 4.98 -19.19	132.80 7.36 -28.63	133.06 7.82 -27.54	109.08 5.86 -29.00	107.67 5.52 -28.54	101.46 4.62 -25.75	98.84 4.33 -23.48	98.67 4.33 -23.39
JENNISON___2 23626	99.72 3.96 -25.11	94.06 3.38 -24.50	85.75 2.92 -25.62	84.19 2.94 -23.64	90.55 3.32 -24.64	99.91 4.25 -24.86	107.63 5.12 -31.41	120.50 5.18 -44.29	110.64 4.83 -34.79	104.84 5.04 -28.85	100.95 4.84 -24.86	97.10 4.69 -21.31	96.04 4.55 -20.39	94.70 4.19 -19.56	94.51 4.04 -19.58	98.68 4.70 -22.82	95.34 4.98 -19.19	132.80 7.36 -28.63	133.06 7.82 -27.54	109.08 5.86 -29.00	107.67 5.52 -28.54	101.46 4.62 -25.75	98.84 4.33 -23.48	98.67 4.33 -23.39
JERICHO_RISE_WT_PWR 323719	67.82 -2.83 0.00	63.74 -2.45 0.00	55.10 -2.12 0.00	55.37 -2.25 0.00	60.22 -2.38 0.00	67.90 -2.91 0.00	67.61 -3.48 0.00	67.75 -3.27 0.00	67.68 -3.34 0.00	67.62 -3.33 0.00	67.39 -3.85 0.00	67.40 -3.70 0.00	67.47 -3.62 0.00	67.48 -3.48 0.00	67.48 -3.40 0.00	67.39 -3.77 0.00	67.32 -3.84 0.00	69.27 -5.71 21.84	69.24 -5.86 22.61	69.92 -4.31 0.00	69.56 -4.05 0.00	67.61 -3.48 0.00	67.68 -3.34 0.00	68.11 -2.84 0.00
KATONAH___115KV_46KV_TB4 355592	145.64 6.43 -68.56	138.90 5.82 -66.88	132.09 4.92 -69.95	126.99 4.84 -64.53	135.18 5.32 -67.26	144.83 6.16 -67.87	163.40 6.54 -85.76	198.98 7.03 -120.92	165.63 7.24 -87.36	158.82 7.45 -80.42	147.74 7.55 -68.94	137.23 7.39 -58.74	133.96 7.18 -55.68	131.38 7.02 -53.40	133.29 7.16 -55.25	143.95 7.33 -65.45	131.04 7.47 -52.40	217.92 10.46 -110.64	180.89 10.36 -72.83	164.98 7.87 -82.88	150.77 7.73 -69.43	148.71 7.32 -70.29	142.24 7.10 -64.11	141.56 6.74 -63.87
KCE_NY_1 323755	166.95 5.02 -91.28	160.01 4.77 -89.05	154.41 4.06 -93.13	147.68 4.15 -85.92	156.71 4.57 -89.55	165.91 4.74 -90.36	190.33 5.05 -114.18	237.06 5.04 -161.00	236.22 5.04 -160.16	179.80 4.83 -104.03	165.98 4.91 -89.82	153.04 4.76 -77.18	149.71 4.48 -74.13	146.45 4.40 -71.10	145.76 4.60 -70.27	157.48 4.98 -81.33	213.44 5.19 -137.08	223.30 7.16 -119.32	238.37 7.33 -133.33	215.20 5.49 -135.48	219.27 5.52 -140.14	170.23 5.55 -93.58	161.71 5.33 -85.36	161.09 5.11 -85.03
KCE_NY_6_ESR 323823	76.73 -6.01 -12.08	72.35 -5.63 -11.78	64.79 -4.75 -12.32	64.55 -4.44 -11.37	69.31 -5.13 -11.85	77.17 -5.60 -11.96	81.30 -4.90 -15.11	85.94 -6.39 -21.31	79.05 -6.96 -14.99	77.45 -7.38 -13.88	76.72 -6.48 -11.96	74.38 -6.96 -10.25	73.87 -7.04 -9.81	73.05 -7.31 -9.41	72.86 -7.44 -9.42	75.59 -6.55 -10.97	77.83 -6.33 -13.00	101.97 -7.16 -12.31	102.04 -7.52 -11.85	80.98 -5.79 -12.54	79.69 -6.26 -12.34	76.73 -6.76 -12.39	75.86 -6.46 -11.30	76.81 -5.40 -11.25
KEDC_PORT_JEFF_GT2 24210	147.64 9.25 -67.74	140.61 8.34 -66.08	133.42 7.09 -69.11	127.82 6.45 -63.76	136.18 7.13 -66.45	146.63 8.78 -67.05	163.29 7.46 -84.73	198.79 8.31 -119.47	165.45 8.16 -86.27	158.62 8.23 -79.44	148.39 8.90 -68.24	146.30 9.46 -65.75	145.53 9.18 -65.26	146.37 9.36 -66.05	148.99 9.21 -68.90	151.44 9.39 -70.88	178.83 9.18 -98.48	219.39 13.45 -109.11	205.06 13.49 -93.87	199.92 9.87 -115.83	164.72 9.64 -81.47	159.12 9.81 -78.21	147.01 10.23 -65.76	149.72 10.28 -68.48
KEDC_PORT_JEFF_GT3 24211	147.64 9.25 -67.74	140.61 8.34 -66.08	133.42 7.09 -69.11	127.82 6.45 -63.76	136.18 7.13 -66.45	146.63 8.78 -67.05	163.29 7.46 -84.73	198.79 8.31 -119.47	165.45 8.16 -86.27	158.62 8.23 -79.44	148.39 8.90 -68.24	146.30 9.46 -65.75	145.53 9.18 -65.26	146.37 9.36 -66.05	148.99 9.21 -68.90	151.44 9.39 -70.88	178.83 9.18 -98.48	219.39 13.45 -109.11	205.06 13.49 -93.87	199.92 9.87 -115.83	164.72 9.64 -81.47	159.12 9.81 -78.21	147.01 10.23 -65.76	149.72 10.28 -68.48
KEDC_GLWD_GT4 24219	145.60 7.21 -67.74	138.76 6.49 -66.08	131.87 5.55 -69.11	126.56 5.19 -63.76	134.80 5.75 -66.45	144.72 6.87 -67.05	162.51 6.68 -84.73	197.95 7.46 -119.47	164.96 7.67 -86.27	157.84 7.45 -79.44	147.40 7.91 -68.25	144.81 7.96 -65.75	144.46 8.10 -65.26	145.09 8.09 -66.05	147.79 8.01 -68.90	150.22 8.18 -70.88	177.75 8.11 -98.48	216.68 10.75 -109.11	202.42 10.84 -93.87	198.66 8.61 -115.83	165.93 8.46 -83.86	160.74 8.03 -81.61	144.81 8.02 -65.77	147.23 7.80 -68.47
KEDC_GLWD_GT5 24220	145.60 7.21 -67.74	138.76 6.49 -66.08	131.87 5.55 -69.11	126.56 5.19 -63.76	134.80 5.75 -66.45	144.72 6.87 -67.05	162.51 6.68 -84.73	197.95 7.46 -119.47	164.96 7.67 -86.27	157.84 7.45 -79.44	147.40 7.91 -68.25	144.81 7.96 -65.75	144.46 8.10 -65.26	145.09 8.09 -66.05	147.79 8.01 -68.90	150.22 8.18 -70.88	177.75 8.11 -98.48	216.68 10.75 -109.11	202.42 10.84 -93.87	198.66 8.61 -115.83	165.93 8.46 -83.86	160.74 8.03 -81.61	144.81 8.02 -65.77	147.23 7.80 -68.47



KENSICO____ 23655	144.32 6.08 -67.59	137.55 5.43 -65.94	130.81 4.63 -68.96	125.78 4.55 -63.62	133.91 5.01 -66.31	143.52 5.81 -66.91	161.54 5.90 -84.55	196.69 6.46 -119.21	163.78 6.68 -86.08	157.10 6.88 -79.27	146.19 6.98 -67.96	135.90 6.90 -57.90	132.67 6.68 -54.89	130.27 6.67 -52.64	132.07 6.73 -54.46	142.58 6.90 -64.51	129.72 6.90 -51.65	215.11 9.49 -108.80	179.00 9.58 -71.72	163.10 7.27 -81.60	149.15 7.14 -68.40	147.15 6.75 -69.29	140.90 6.68 -63.21	140.30 6.39 -62.96
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	143.20 7.63 -64.92	136.21 6.69 -63.33	129.23 5.78 -66.24	124.48 5.76 -61.11	132.55 6.26 -63.69	142.58 7.51 -64.27	160.20 7.89 -81.21	193.77 8.24 -114.51	163.63 8.38 -84.23	154.82 8.16 -75.71	144.15 7.91 -65.00	134.18 7.61 -55.47	131.14 7.32 -52.72	128.83 7.31 -50.57	130.02 7.30 -51.84	140.13 7.83 -61.13	129.39 8.61 -49.62	203.70 11.52 -95.36	178.77 12.12 -68.95	160.18 9.13 -76.83	150.04 9.05 -67.38	145.90 8.25 -66.56	139.69 7.95 -60.71	139.16 7.73 -60.48
KIAC_JFK_GT1 23816	144.73 6.36 -67.72	137.75 5.49 -66.06	131.34 5.04 -69.09	126.25 4.90 -63.74	134.41 5.38 -66.44	143.65 5.81 -67.04	161.71 5.90 -84.71	197.35 6.89 -119.44	164.66 7.39 -86.25	158.04 7.66 -79.43	146.75 7.41 -68.09	136.51 7.39 -58.02	133.27 7.18 -55.00	130.86 7.17 -52.75	132.68 7.23 -54.56	143.21 7.40 -64.64	130.18 7.26 -51.75	215.77 9.88 -109.08	179.74 10.16 -71.87	163.79 7.79 -81.78	149.87 7.73 -68.54	147.78 7.25 -69.43	141.74 7.39 -63.33	141.06 7.02 -63.08
KIAC_JFK_GT2 23817	144.73 6.36 -67.72	137.75 5.49 -66.06	131.34 5.04 -69.09	126.25 4.90 -63.74	134.41 5.38 -66.44	143.65 5.81 -67.04	161.71 5.90 -84.71	197.35 6.89 -119.44	164.66 7.39 -86.25	158.04 7.66 -79.43	146.75 7.41 -68.09	136.51 7.39 -58.02	133.27 7.18 -55.00	130.86 7.17 -52.75	132.68 7.23 -54.56	143.21 7.40 -64.64	130.18 7.26 -51.75	215.77 9.88 -109.08	179.74 10.16 -71.87	163.79 7.79 -81.78	149.87 7.73 -68.54	147.78 7.25 -69.43	141.74 7.39 -63.33	141.06 7.02 -63.08
KIAC_JFK____ 323774	144.66 6.29 -67.72	137.68 5.43 -66.06	131.28 4.98 -69.09	126.14 4.78 -63.74	134.35 5.32 -66.44	143.65 5.81 -67.04	161.70 5.90 -84.71	197.28 6.82 -119.44	164.59 7.32 -86.25	157.89 7.52 -79.43	146.61 7.27 -68.09	136.51 7.39 -58.02	133.35 7.26 -55.00	131.01 7.31 -52.75	132.68 7.23 -54.56	143.21 7.40 -64.64	166.39 7.12 -88.11	215.67 9.77 -109.08	179.74 10.16 -71.87	163.72 7.72 -81.78	149.87 7.73 -68.54	147.85 7.32 -69.43	141.80 7.46 -63.33	141.13 7.09 -63.08
KINTIGH____ 23543	75.23 -5.44 -10.02	70.93 -5.03 -9.77	63.15 -4.29 -10.22	63.01 -4.03 -9.43	67.85 -4.57 -9.83	75.77 -4.96 -9.92	79.29 -4.34 -12.53	83.15 -5.54 -17.67	78.08 -6.04 -13.09	77.21 -5.25 -11.51	75.53 -5.63 -9.92	73.55 -6.04 -8.50	73.12 -6.11 -8.14	72.37 -6.39 -7.80	72.24 -6.45 -7.81	74.57 -5.69 -9.10	73.34 -5.48 -7.66	100.48 -6.49 -10.14	100.74 -6.74 -9.78	79.52 -5.05 -10.35	78.20 -5.59 -10.19	75.54 -5.83 -10.27	74.64 -5.75 -9.37	75.25 -5.04 -9.33
KNTFSRNC_46_KV_46KV_LOAD 80397	68.95 -1.70 0.00	64.80 -1.39 0.00	56.07 -1.14 0.00	56.35 -1.27 0.00	61.28 -1.31 0.00	69.18 -1.63 0.00	68.82 -2.28 0.00	68.89 -2.13 0.00	68.68 -2.34 0.00	68.11 -2.84 0.00	68.39 -2.85 0.00	68.25 -2.84 0.00	68.40 -2.70 0.00	68.47 -2.48 0.00	68.40 -2.48 0.00	68.32 -2.85 0.00	68.18 -2.99 0.00	70.68 -3.97 22.17	70.55 -4.20 22.95	70.88 -3.34 0.00	70.66 -2.94 0.00	68.61 -2.49 0.00	68.68 -2.34 0.00	69.53 -1.42 0.00
LACHUTE____HYDRO 323717	170.77 8.69 -91.44	163.66 8.27 -89.20	157.42 6.92 -93.28	150.70 7.03 -86.06	160.06 7.76 -89.70	168.89 7.58 -90.51	193.78 8.31 -114.37	240.80 8.52 -161.26	240.48 8.45 -161.01	183.02 7.87 -104.19	169.19 7.98 -89.97	156.02 7.61 -77.31	152.39 7.04 -74.25	148.98 6.81 -71.22	148.42 7.16 -70.38	160.59 7.97 -81.46	217.66 8.61 -137.89	228.54 11.71 -120.01	243.70 11.82 -134.18	219.51 8.98 -136.31	223.82 9.20 -141.01	174.50 9.67 -93.74	165.69 9.17 -85.50	164.85 8.72 -85.17
LAWRNCV_115KV_TB1 80681	67.89 -2.76 0.00	63.81 -2.38 0.00	55.16 -2.06 0.00	55.42 -2.19 0.00	60.28 -2.32 0.00	68.04 -2.76 0.00	68.11 -2.99 0.00	68.18 -2.84 0.00	68.11 -2.91 0.00	67.62 -3.33 0.00	67.89 -3.35 0.00	67.83 -3.27 0.00	67.97 -3.13 0.00	68.04 -2.91 0.00	67.98 -2.91 0.00	67.89 -3.27 0.00	67.75 -3.42 0.00	72.27 -6.10 18.45	72.55 -6.06 19.10	69.62 -4.60 0.00	69.93 -3.68 0.00	67.90 -3.20 0.00	67.97 -3.05 0.00	68.11 -2.84 0.00
LEDERLE____ 23769	141.38 5.58 -65.15	134.77 5.03 -63.55	127.97 4.29 -66.46	123.19 4.26 -61.32	131.14 4.63 -63.91	140.60 5.31 -64.48	158.20 5.62 -81.49	192.10 6.18 -114.90	160.40 6.39 -82.99	153.83 6.53 -76.35	143.26 6.55 -65.47	133.36 6.47 -55.79	130.26 6.26 -52.90	127.94 6.24 -50.74	129.57 6.31 -52.38	139.66 6.48 -62.02	127.45 6.55 -49.74	209.35 9.00 -103.53	175.79 9.18 -68.90	159.21 6.75 -78.23	146.14 6.62 -65.90	144.14 6.26 -66.79	138.12 6.18 -60.92	137.52 5.89 -60.68
LIGHTHSE_115KV_TB6 355974	74.82 -0.85 -5.02	70.16 -0.93 -4.90	61.54 -0.80 -5.12	61.53 -0.81 -4.73	66.71 -0.81 -4.93	74.93 -0.85 -4.97	76.95 -0.43 -6.28	79.52 -0.36 -8.86	75.82 -0.57 -5.36	76.33 -0.35 -5.73	75.97 -0.21 -4.95	74.99 -0.36 -4.25	74.75 -0.43 -4.08	74.37 -0.50 -3.91	74.26 -0.50 -3.87	75.22 -0.43 -4.49	74.51 -0.50 -3.84	97.89 -0.29 -1.36	99.57 -0.10 -1.96	77.81 -0.15 -3.74	77.42 -0.15 -3.96	75.89 -0.36 -5.15	75.08 -0.64 -4.70	74.92 -0.71 -4.68
LINDEN COGEN____ 23786	56.32 6.36 20.69	55.42 5.56 16.33	53.90 4.75 8.06	125.79 4.44 -63.74	133.98 4.94 -66.44	143.57 5.73 -67.04	161.56 5.76 -84.71	196.92 6.46 -119.44	164.16 6.89 -86.25	157.47 7.09 -79.43	146.46 7.12 -68.09	136.22 7.11 -58.02	133.13 7.04 -55.00	130.72 7.03 -52.75	132.46 7.02 -54.56	142.92 7.12 -64.64	166.25 6.98 -88.11	192.59 9.59 -86.18	179.25 9.68 -71.87	163.35 7.35 -81.78	149.36 7.22 -68.54	147.57 7.04 -69.43	141.31 6.96 -63.33	140.78 6.74 -63.08
LINDHRST_69_KV_BK1 356055	147.57 9.18 -67.74	140.61 8.34 -66.08	133.36 7.04 -69.11	127.82 6.45 -63.76	136.24 7.20 -66.45	146.49 8.64 -67.05	163.86 8.03 -84.73	199.51 9.02 -119.47	166.31 9.02 -86.27	159.62 9.22 -79.44	149.32 9.83 -68.25	146.66 9.81 -65.75	145.81 9.46 -65.26	146.51 9.51 -66.05	149.35 9.57 -68.90	151.86 9.82 -70.88	143.17 9.89 -62.11	220.16 14.23 -109.11	205.84 14.27 -93.87	200.59 10.54 -115.83	166.27 10.30 -82.36	160.45 9.88 -79.47	146.87 10.08 -65.77	149.29 9.86 -68.48
LIPA_MISC_IPP 23656	147.64 9.26 -67.74	140.67 8.41 -66.08	133.42 7.09 -69.11	127.82 6.45 -63.76	136.18 7.14 -66.45	146.56 8.71 -67.05	163.36 7.54 -84.73	199.01 8.52 -119.47	165.60 8.31 -86.27	158.91 8.51 -79.44	148.32 8.83 -68.24	145.66 8.82 -65.75	144.82 8.46 -65.26	145.80 8.80 -66.05	148.78 9.00 -68.90	151.22 9.18 -70.88	142.67 9.39 -62.11	219.49 13.55 -109.11	205.16 13.58 -93.87	200.07 10.02 -115.83	164.85 9.79 -81.45	158.88 9.60 -78.18	146.59 9.80 -65.76	149.51 10.08 -68.48
LISF____SOLAR 323691	147.78 9.40 -67.74	140.67 8.41 -66.08	133.47 7.15 -69.11	127.82 6.45 -63.76	136.24 7.20 -66.45	146.71 8.85 -67.05	163.58 7.75 -84.73	199.15 8.66 -119.47	165.74 8.45 -86.27	158.69 8.30 -79.44	148.03 8.55 -68.24	145.73 8.89 -65.75	145.03 8.67 -65.26	146.09 9.08 -66.05	148.86 9.08 -68.90	151.36 9.32 -70.88	179.11 9.47 -98.48	219.67 13.74 -109.11	205.44 13.87 -93.87	200.22 10.17 -115.83	165.00 9.93 -81.46	159.11 9.81 -78.20	146.73 9.94 -65.76	149.72 10.28 -68.48



LITTLE FALLS___HYD 24013	72.84 2.19 0.00	68.18 1.99 0.00	58.93 1.72 0.00	59.28 1.67 0.00	64.47 1.88 0.00	73.00 2.19 0.00	73.30 2.20 0.00	73.22 2.20 0.00	73.15 2.13 0.00	73.15 2.20 0.00	73.45 2.21 0.00	73.23 2.13 0.00	73.30 2.20 0.00	73.01 2.06 0.00	72.94 2.06 0.00	73.37 2.21 0.00	73.37 2.21 0.00	101.17 3.10 -1.25	102.22 3.22 -1.29	76.67 2.45 0.00	75.89 2.28 0.00	73.37 2.28 0.00	73.36 2.34 0.00	73.22 2.27 0.00
LITTLRIV_115KV_TB1 356100	68.81 -1.84 0.00	64.60 -1.59 0.00	55.90 -1.32 0.00	56.17 -1.44 0.00	61.09 -1.50 0.00	68.96 -1.84 0.00	69.11 -1.99 0.00	69.25 -1.78 0.00	69.17 -1.85 0.00	68.61 -2.34 0.00	68.82 -2.42 0.00	68.75 -2.35 0.00	68.96 -2.13 0.00	69.04 -1.92 0.00	68.97 -1.91 0.00	68.96 -2.21 0.00	68.82 -2.35 0.00	74.12 -4.65 18.05	74.53 -4.49 18.68	70.81 -3.41 0.00	71.03 -2.58 0.00	68.89 -2.20 0.00	68.96 -2.06 0.00	69.11 -1.84 0.00
LI_NEWBRDGE___DRP 323616	145.73 7.35 -67.74	138.95 6.69 -66.08	131.93 5.61 -69.10	126.50 5.13 -63.76	134.74 5.70 -66.45	144.72 6.87 -67.05	162.08 6.26 -84.73	197.59 7.10 -119.47	164.53 7.24 -86.27	157.84 7.45 -79.44	147.61 8.12 -68.24	144.95 8.11 -65.75	144.18 7.82 -65.26	144.81 7.80 -66.05	147.65 7.87 -68.90	150.01 7.97 -70.88	141.25 7.97 -62.11	217.16 11.23 -109.11	202.91 11.33 -93.87	198.44 8.39 -115.83	162.67 8.24 -80.82	156.35 7.96 -77.29	144.95 8.17 -65.76	147.37 7.95 -68.47
LOCKPORT_115KV_TB60_63_64 80432	74.47 -7.06 -10.89	70.26 -6.55 -10.62	62.72 -5.61 -11.11	62.50 -5.36 -10.25	67.20 -6.07 -10.68	75.00 -6.58 -10.78	78.88 -5.83 -13.62	82.98 -7.24 -19.20	76.66 -7.88 -13.52	76.43 -7.02 -12.50	74.54 -7.48 -10.78	72.37 -7.96 -9.24	71.90 -8.03 -8.84	71.06 -8.37 -8.48	70.93 -8.43 -8.49	73.51 -7.54 -9.89	72.16 -7.33 -8.32	99.16 -8.71 -11.06	99.37 -8.99 -10.65	78.74 -6.75 -11.27	77.34 -7.36 -11.09	74.58 -7.68 -11.16	73.67 -7.53 -10.18	74.49 -6.60 -10.14
LOCKPORT___CC1 323769	74.41 -7.21 -10.97	70.21 -6.68 -10.70	62.74 -5.67 -11.19	62.58 -5.36 -10.33	67.22 -6.13 -10.76	74.87 -6.80 -10.86	78.78 -6.04 -13.72	82.70 -7.67 -19.35	76.32 -8.31 -13.61	74.89 -8.66 -12.60	74.34 -7.76 -10.86	72.16 -8.25 -9.31	71.62 -8.39 -8.91	70.84 -8.66 -8.54	70.71 -8.72 -8.55	73.30 -7.83 -9.96	75.33 -7.61 -11.78	99.06 -8.91 -11.15	99.06 -9.38 -10.74	78.38 -7.20 -11.36	77.21 -7.58 -11.18	74.24 -8.11 -11.25	73.54 -7.74 -10.26	74.43 -6.74 -10.22
LOCKPORT___CC2 323770	74.41 -7.21 -10.97	70.21 -6.68 -10.70	62.74 -5.67 -11.19	62.58 -5.36 -10.33	67.22 -6.13 -10.76	74.87 -6.80 -10.86	78.78 -6.04 -13.72	82.70 -7.67 -19.35	76.32 -8.31 -13.61	74.89 -8.66 -12.60	74.34 -7.76 -10.86	72.16 -8.25 -9.31	71.62 -8.39 -8.91	70.84 -8.66 -8.54	70.71 -8.72 -8.55	73.30 -7.83 -9.96	75.33 -7.61 -11.78	99.06 -8.91 -11.15	99.06 -9.38 -10.74	78.38 -7.20 -11.36	77.21 -7.58 -11.18	74.24 -8.11 -11.25	73.54 -7.74 -10.26	74.43 -6.74 -10.22
LOCKPORT___CC3 323771	74.41 -7.21 -10.97	70.21 -6.68 -10.70	62.74 -5.67 -11.19	62.58 -5.36 -10.33	67.22 -6.13 -10.76	74.87 -6.80 -10.86	78.78 -6.04 -13.72	82.70 -7.67 -19.35	76.32 -8.31 -13.61	74.89 -8.66 -12.60	74.34 -7.76 -10.86	72.16 -8.25 -9.31	71.62 -8.39 -8.91	70.84 -8.66 -8.54	70.71 -8.72 -8.55	73.30 -7.83 -9.96	75.33 -7.61 -11.78	99.06 -8.91 -11.15	99.06 -9.38 -10.74	78.38 -7.20 -11.36	77.21 -7.58 -11.18	74.24 -8.11 -11.25	73.54 -7.74 -10.26	74.43 -6.74 -10.22
LONG_LAKE_PHOENIX 24014	74.48 -1.70 -5.53	69.86 -1.72 -5.39	61.37 -1.49 -5.64	61.38 -1.44 -5.20	66.45 -1.56 -5.42	74.72 -1.56 -5.47	76.80 -1.21 -6.92	79.56 -1.21 -9.75	75.57 -1.35 -5.90	76.05 -1.21 -6.31	75.40 -1.28 -5.44	74.35 -1.42 -4.68	74.16 -1.42 -4.49	73.70 -1.56 -4.31	73.58 -1.56 -4.26	74.82 -1.28 -4.94	74.11 -1.28 -4.23	98.60 -1.45 -3.24	100.21 -1.47 -3.96	77.23 -1.11 -4.12	76.71 -1.25 -4.36	75.34 -1.42 -5.67	74.56 -1.63 -5.17	74.47 -1.63 -5.15
LOVETT___3 23632	141.27 5.23 -65.39	134.68 4.70 -63.79	127.93 4.01 -66.71	123.14 3.98 -61.55	131.06 4.32 -64.15	140.49 4.96 -64.73	157.94 5.05 -81.79	191.96 5.61 -115.33	160.07 5.75 -83.30	153.55 5.96 -76.64	142.95 5.98 -65.72	133.07 5.97 -56.00	129.96 5.76 -53.10	127.63 5.75 -50.93	129.33 5.81 -52.63	139.39 5.91 -62.32	127.12 5.98 -49.98	209.14 8.23 -104.10	175.24 8.31 -69.23	159.14 6.31 -78.61	145.99 6.18 -66.20	144.04 5.90 -67.04	137.99 5.82 -61.15	137.40 5.53 -60.91
LOVETT___4 23642	141.27 5.23 -65.39	134.68 4.70 -63.79	127.93 4.01 -66.71	123.14 3.98 -61.55	131.06 4.32 -64.15	140.49 4.96 -64.73	157.94 5.05 -81.79	191.96 5.61 -115.33	160.07 5.75 -83.30	153.55 5.96 -76.64	142.95 5.98 -65.72	133.07 5.97 -56.00	129.96 5.76 -53.10	127.63 5.75 -50.93	129.33 5.81 -52.63	139.39 5.91 -62.32	127.12 5.98 -49.98	209.14 8.23 -104.10	175.24 8.31 -69.23	159.14 6.31 -78.61	145.99 6.18 -66.20	144.04 5.90 -67.04	137.99 5.82 -61.15	137.40 5.53 -60.91
LOVETT___5 23593	141.27 5.23 -65.39	134.68 4.70 -63.79	127.93 4.01 -66.71	123.14 3.98 -61.55	131.06 4.32 -64.15	140.49 4.96 -64.73	157.94 5.05 -81.79	191.96 5.61 -115.33	160.07 5.75 -83.30	153.55 5.96 -76.64	142.95 5.98 -65.72	133.07 5.97 -56.00	129.96 5.76 -53.10	127.63 5.75 -50.93	129.33 5.81 -52.63	139.39 5.91 -62.32	127.12 5.98 -49.98	209.14 8.23 -104.10	175.24 8.31 -69.23	159.14 6.31 -78.61	145.99 6.18 -66.20	144.04 5.90 -67.04	137.99 5.82 -61.15	137.40 5.53 -60.91
LOWER RAQUET___HYD 24057	67.61 -3.04 0.00	63.54 -2.65 0.00	54.93 -2.29 0.00	55.14 -2.48 0.00	60.02 -2.57 0.00	67.69 -3.11 0.00	67.83 -3.27 0.00	68.04 -2.98 0.00	67.90 -3.12 0.00	67.83 -3.12 0.00	67.61 -3.63 0.00	67.54 -3.55 0.00	67.69 -3.41 0.00	67.69 -3.26 0.00	67.69 -3.19 0.00	67.68 -3.49 0.00	67.61 -3.56 0.00	72.76 -6.39 17.67	73.07 -6.35 18.29	69.84 -4.38 0.00	69.70 -3.90 0.00	67.69 -3.41 0.00	67.61 -3.41 0.00	67.69 -3.26 0.00
LOWER___HUDSON 24059	164.24 3.88 -89.71	157.41 3.70 -87.51	152.00 3.26 -91.52	145.39 3.34 -84.44	154.29 3.69 -88.01	163.71 4.11 -88.80	187.57 4.27 -112.21	233.36 4.12 -158.22	225.52 4.26 -150.24	177.39 4.11 -102.32	163.78 4.20 -88.33	151.10 4.12 -75.88	148.00 4.05 -72.85	144.79 3.97 -69.87	144.22 4.18 -69.16	155.54 4.27 -80.11	203.40 4.41 -127.82	214.69 6.10 -111.77	227.56 6.26 -123.59	204.95 4.68 -126.05	208.11 4.57 -129.94	167.40 4.34 -91.97	159.17 4.26 -83.89	158.63 4.11 -83.56
LOWVILLE_115KV_TB2 356335	73.53 0.35 -2.53	68.79 0.13 -2.47	59.91 0.11 -2.58	60.11 0.12 -2.38	65.33 0.25 -2.48	73.95 0.64 -2.50	75.40 1.14 -3.16	76.83 1.35 -4.46	74.79 1.07 -2.70	74.83 0.99 -2.89	74.73 1.00 -2.49	74.02 0.78 -2.14	73.86 0.71 -2.05	73.63 0.71 -1.97	73.54 0.71 -1.95	74.35 0.93 -2.26	74.17 1.07 -1.93	95.59 1.55 2.78	97.07 1.95 2.59	77.52 1.41 -1.88	76.92 1.32 -1.99	74.54 0.85 -2.59	74.03 0.64 -2.37	73.73 0.43 -2.36
LUTHERFT_115KV_GLOB_FND_222 355753	166.38 4.45 -91.28	159.47 4.24 -89.05	153.95 3.60 -93.13	147.16 3.63 -85.92	156.21 4.07 -89.55	165.91 4.74 -90.36	190.32 5.05 -114.18	236.99 4.97 -161.00	236.22 5.04 -160.16	179.94 4.97 -104.03	166.41 5.34 -89.82	153.47 5.19 -77.18	150.20 4.98 -74.13	146.94 4.90 -71.10	146.26 5.10 -70.27	157.91 5.41 -81.33	146.62 5.69 -69.76	223.98 7.84 -119.32	238.86 7.82 -133.33	215.72 6.01 -135.48	219.63 5.89 -140.14	170.15 5.47 -93.58	161.64 5.26 -85.36	161.02 5.04 -85.03



LUTHERNY_35_KV_BK2 355980	166.45 4.52 -91.28	159.54 4.30 -89.05	154.01 3.66 -93.13	147.22 3.69 -85.92	156.21 4.07 -89.55	165.91 4.74 -90.36	190.32 5.05 -114.18	237.06 5.04 -161.00	236.29 5.11 -160.16	180.02 5.04 -104.03	166.48 5.41 -89.82	153.54 5.26 -77.18	150.27 5.05 -74.13	146.94 4.90 -71.10	146.33 5.17 -70.27	157.98 5.48 -81.33	146.69 5.76 -69.76	224.08 7.94 -119.32	238.95 7.91 -133.33	215.72 6.01 -135.48	219.71 5.96 -140.14	170.23 5.55 -93.58	161.71 5.33 -85.36	161.09 5.11 -85.03
LWR___OSWEGATCHIE_HYD 23850	70.61 -1.91 -1.86	66.15 -1.85 -1.82	57.52 -1.60 -1.90	57.70 -1.67 -1.75	62.73 -1.69 -1.83	70.81 -1.84 -1.84	71.79 -1.64 -2.33	72.96 -1.35 -3.29	71.45 -1.56 -1.99	71.30 -1.77 -2.13	71.22 -1.85 -1.83	70.75 -1.92 -1.58	70.76 -1.85 -1.51	70.63 -1.77 -1.45	70.55 -1.77 -1.44	70.98 -1.85 -1.66	70.74 -1.85 -1.42	83.12 -3.10 10.60	84.11 -2.83 10.77	73.38 -2.23 -1.39	73.31 -1.77 -1.47	71.16 -1.85 -1.91	70.85 -1.92 -1.74	70.70 -1.99 -1.74
LYONS_FALL_HYD 23570	74.25 1.20 -2.40	69.46 0.93 -2.34	60.47 0.80 -2.45	60.68 0.81 -2.26	65.95 1.00 -2.35	74.60 1.42 -2.38	75.94 1.85 -3.00	77.31 2.06 -4.23	75.36 1.78 -2.56	75.39 1.70 -2.74	75.39 1.78 -2.36	74.69 1.56 -2.03	74.61 1.56 -1.95	74.31 1.49 -1.87	74.15 1.42 -1.85	75.01 1.71 -2.14	74.78 1.78 -1.83	98.49 2.62 0.94	99.93 2.93 0.71	78.16 2.15 -1.79	77.56 2.06 -1.89	75.12 1.56 -2.46	74.69 1.42 -2.24	74.39 1.21 -2.24
MADISON___COUNTY_LFGE 323628	77.45 2.47 -4.33	72.53 2.12 -4.22	63.46 1.83 -4.41	63.59 1.90 -4.07	68.97 2.13 -4.24	77.85 2.76 -4.28	79.78 3.27 -5.41	81.99 3.34 -7.63	78.77 3.12 -4.62	79.08 3.19 -4.94	78.64 3.13 -4.26	77.74 2.99 -3.66	77.53 2.91 -3.51	77.02 2.70 -3.37	76.91 2.69 -3.34	78.09 3.06 -3.86	77.60 3.13 -3.31	103.81 4.45 -2.53	105.50 4.69 -3.10	80.93 3.49 -3.22	80.33 3.31 -3.41	78.31 2.77 -4.44	77.62 2.56 -4.05	77.47 2.48 -4.03
MALONE___115KV_TB1 356076	68.88 -1.77 0.00	64.73 -1.46 0.00	56.02 -1.20 0.00	56.23 -1.38 0.00	61.15 -1.44 0.00	69.11 -1.70 0.00	69.18 -1.92 0.00	69.32 -1.70 0.00	69.10 -1.92 0.00	68.47 -2.48 0.00	68.75 -2.49 0.00	68.47 -2.63 0.00	68.68 -2.42 0.00	68.68 -2.27 0.00	68.68 -2.20 0.00	68.60 -2.56 0.00	68.46 -2.70 0.00	72.06 -3.97 20.79	72.08 -4.10 21.52	70.96 -3.27 0.00	70.81 -2.80 0.00	68.75 -2.35 0.00	68.82 -2.20 0.00	69.25 -1.70 0.00
MAPLEWOD_115KV_TB3 80458	163.57 3.60 -89.32	156.70 3.38 -87.13	151.26 2.92 -91.12	144.74 3.05 -84.07	153.35 3.13 -87.63	162.76 3.54 -88.41	186.52 3.70 -111.72	232.11 3.55 -157.53	215.84 3.69 -141.13	176.48 3.76 -101.77	162.83 3.70 -87.88	150.31 3.70 -75.52	147.47 3.84 -72.54	144.28 3.76 -69.57	143.17 3.54 -68.74	154.21 3.49 -79.55	142.91 3.49 -68.26	201.14 4.94 -99.38	216.04 4.89 -113.45	193.42 3.71 -115.49	197.38 3.61 -120.16	166.08 3.41 -91.57	158.10 3.55 -83.52	157.56 3.41 -83.20
MAPLE_RIDGE_WT_1 323574	69.03 -1.62 0.00	64.73 -1.46 0.00	55.96 -1.26 0.00	56.29 -1.32 0.00	61.16 -1.44 0.00	69.11 -1.70 0.00	69.25 -1.85 0.00	69.25 -1.77 0.00	69.25 -1.77 0.00	69.18 -1.77 0.00	69.32 -1.92 0.00	69.25 -1.85 0.00	69.25 -1.85 0.00	69.11 -1.85 0.00	69.04 -1.84 0.00	69.17 -1.99 0.00	69.17 -1.99 0.00	55.55 -3.00 38.27	55.16 -2.93 39.62	72.15 -2.08 0.00	71.69 -1.91 0.00	69.46 -1.63 0.00	69.46 -1.56 0.00	69.46 -1.49 0.00
MAPLE_RIDGE_WT_2 323611	69.03 -1.62 0.00	64.73 -1.46 0.00	55.96 -1.26 0.00	56.29 -1.32 0.00	61.16 -1.44 0.00	69.11 -1.70 0.00	69.25 -1.85 0.00	69.25 -1.77 0.00	69.25 -1.77 0.00	69.18 -1.77 0.00	69.32 -1.92 0.00	69.25 -1.85 0.00	69.25 -1.85 0.00	69.11 -1.85 0.00	69.04 -1.84 0.00	69.17 -1.99 0.00	69.17 -1.99 0.00	55.55 -3.00 38.27	55.16 -2.93 39.62	72.15 -2.08 0.00	71.69 -1.91 0.00	69.46 -1.63 0.00	69.46 -1.56 0.00	69.46 -1.49 0.00
MARBLE_RIVER_WT_PWR 323696	67.89 -2.76 0.00	63.81 -2.38 0.00	55.16 -2.06 0.00	55.42 -2.19 0.00	60.28 -2.31 0.00	67.97 -2.83 0.00	67.69 -3.41 0.00	67.75 -3.27 0.00	67.75 -3.27 0.00	67.69 -3.26 0.00	67.46 -3.78 0.00	67.47 -3.62 0.00	67.54 -3.55 0.00	67.55 -3.40 0.00	67.55 -3.33 0.00	67.46 -3.70 0.00	67.39 -3.77 0.00	68.92 -5.62 22.29	68.97 -5.67 23.07	70.07 -4.16 0.00	69.63 -3.98 0.00	67.69 -3.41 0.00	67.75 -3.27 0.00	68.26 -2.70 0.00
MARSHVLE_115KV_TB1 80742	177.74 4.95 -102.14	170.47 4.63 -99.64	165.26 3.83 -104.21	157.62 3.86 -96.14	167.12 4.32 -100.21	177.30 5.38 -101.11	204.62 5.76 -127.77	257.07 5.89 -180.15	243.59 5.47 -167.10	192.00 4.61 -116.44	176.05 4.27 -100.54	161.32 3.84 -86.38	157.53 3.48 -82.95	153.92 3.41 -79.56	153.39 3.83 -78.68	167.23 4.98 -91.08	154.99 5.76 -78.06	226.21 8.13 -121.26	242.08 8.21 -136.17	219.24 6.31 -138.71	223.65 6.40 -143.64	181.86 6.04 -104.72	172.08 5.54 -95.52	171.21 5.11 -95.15
MARSH_HILL_WT_PWR 323713	81.09 -4.73 -15.17	76.29 -4.70 -14.80	68.69 -4.01 -15.48	68.03 -3.86 -14.28	73.16 -4.32 -14.88	81.36 -4.46 -15.02	86.30 -3.77 -18.98	93.02 -4.76 -26.76	85.03 -5.25 -19.27	82.63 -5.74 -17.43	81.06 -5.20 -15.02	78.22 -5.76 -12.87	77.52 -5.90 -12.32	76.59 -6.17 -11.82	76.54 -6.17 -11.83	79.61 -5.34 -13.78	82.81 -4.77 -16.41	107.35 -5.04 -15.57	107.49 -5.18 -14.96	86.12 -3.94 -15.83	85.14 -4.05 -15.58	82.03 -4.62 -15.55	80.59 -4.62 -14.19	81.04 -4.04 -14.13
MCINTYRE_115KV_TB2 80467	69.80 -0.85 0.00	65.53 -0.66 0.00	56.64 -0.57 0.00	56.92 -0.69 0.00	61.90 -0.69 0.00	69.89 -0.92 0.00	70.03 -1.07 0.00	70.10 -0.92 0.00	69.96 -1.07 0.00	69.32 -1.63 0.00	69.53 -1.71 0.00	69.46 -1.64 0.00	69.68 -1.42 0.00	69.67 -1.28 0.00	69.68 -1.20 0.00	69.67 -1.49 0.00	69.60 -1.57 0.00	74.67 -3.49 18.66	75.07 -3.32 19.32	71.70 -2.52 0.00	71.91 -1.69 0.00	69.75 -1.35 0.00	69.81 -1.21 0.00	69.89 -1.06 0.00
MECO_____69_KV_BK1 80468	175.84 6.78 -98.41	168.54 6.35 -96.00	162.94 5.32 -100.40	155.60 5.36 -92.63	165.09 5.95 -96.55	175.37 7.15 -97.41	201.94 7.75 -123.10	252.40 7.81 -173.57	245.43 7.39 -167.02	189.63 6.53 -112.15	174.28 6.20 -96.84	160.14 5.83 -83.21	156.42 5.40 -79.92	152.92 5.32 -76.65	152.32 5.67 -75.77	165.62 6.76 -87.69	154.06 7.69 -75.21	230.19 10.75 -122.62	246.09 10.75 -137.64	222.44 8.24 -139.97	226.95 8.39 -144.96	179.81 7.82 -100.89	170.29 7.24 -92.03	169.50 6.88 -91.67
MENANDS___115KV_TB5 355628	163.09 3.32 -89.12	156.23 3.11 -86.93	150.88 2.75 -90.92	144.32 2.82 -83.88	152.84 2.82 -87.43	162.20 3.19 -88.21	185.77 3.20 -111.47	231.25 3.05 -157.17	213.15 3.27 -138.86	175.82 3.33 -101.53	162.19 3.28 -87.67	149.71 3.27 -75.34	147.02 3.55 -72.37	143.84 3.48 -69.41	142.51 3.05 -68.58	153.51 2.99 -79.35	142.19 2.92 -68.10	197.68 4.07 -96.80	212.75 4.01 -111.03	190.30 3.04 -113.04	194.32 2.94 -117.77	165.37 2.91 -91.36	157.48 3.12 -83.33	157.01 3.05 -83.01
MG INDUSTRY___DRP 24185	160.41 2.97 -86.79	153.70 2.85 -84.67	148.23 2.46 -88.55	141.84 2.53 -81.70	150.25 2.50 -85.15	159.55 2.83 -85.91	182.51 2.84 -108.57	226.73 2.63 -153.08	195.44 2.70 -121.72	172.55 2.70 -98.90	159.21 2.56 -85.40	147.11 2.63 -73.38	144.35 2.77 -70.49	141.32 2.77 -67.60	140.10 2.41 -66.81	150.97 2.49 -77.31	139.92 2.42 -66.33	180.30 3.58 -79.90	194.60 3.42 -93.47	172.30 2.60 -95.48	176.17 2.58 -99.99	162.64 2.56 -88.98	154.95 2.77 -81.16	154.50 2.70 -80.85



MID___OSWEGATCHIE_HYD 23849	70.61 -1.91 -1.86	66.15 -1.85 -1.82	57.52 -1.60 -1.90	57.70 -1.67 -1.75	62.73 -1.69 -1.83	70.81 -1.84 -1.84	71.79 -1.64 -2.33	72.96 -1.35 -3.29	71.45 -1.56 -1.99	71.30 -1.77 -2.13	71.22 -1.85 -1.83	70.75 -1.92 -1.58	70.76 -1.85 -1.51	70.63 -1.77 -1.45	70.55 -1.77 -1.44	70.98 -1.85 -1.66	70.74 -1.85 -1.42	83.12 -3.10 10.60	84.11 -2.83 10.77	73.38 -2.23 -1.39	73.31 -1.77 -1.47	71.16 -1.85 -1.91	70.85 -1.92 -1.74	70.70 -1.99 -1.74
MID___RAQUETTE_HYD 23851	67.61 -3.04 0.00	63.48 -2.71 0.00	54.93 -2.29 0.00	55.19 -2.42 0.00	60.03 -2.57 0.00	67.69 -3.12 0.00	67.83 -3.27 0.00	67.97 -3.05 0.00	67.82 -3.20 0.00	67.33 -3.62 0.00	67.61 -3.63 0.00	67.47 -3.63 0.00	67.68 -3.41 0.00	67.76 -3.19 0.00	67.69 -3.19 0.00	67.61 -3.56 0.00	67.47 -3.70 0.00	72.76 -6.39 17.67	73.07 -6.35 18.29	69.33 -4.90 0.00	69.63 -3.97 0.00	67.61 -3.48 0.00	67.61 -3.41 0.00	67.83 -3.12 0.00
MILLIKEN___1 23584	86.99 1.48 -14.86	81.88 1.19 -14.49	73.40 1.03 -15.16	72.75 1.15 -13.99	78.42 1.25 -14.58	87.35 1.84 -14.71	92.10 2.42 -18.58	99.64 2.41 -26.21	92.45 2.13 -19.30	90.29 2.27 -17.07	88.02 2.07 -14.71	85.55 1.85 -12.61	84.94 1.78 -12.07	84.08 1.56 -11.57	84.03 1.56 -11.58	86.73 2.06 -13.50	84.80 2.28 -11.35	115.96 3.68 -15.46	116.39 3.81 -14.87	92.84 2.89 -15.72	91.66 2.58 -15.47	88.39 2.06 -15.23	86.62 1.70 -13.89	86.57 1.77 -13.84
MILLIKEN___2 23585	86.99 1.48 -14.86	81.88 1.19 -14.49	73.40 1.03 -15.16	72.75 1.15 -13.99	78.42 1.25 -14.58	87.35 1.84 -14.71	92.10 2.42 -18.58	99.64 2.41 -26.21	92.45 2.13 -19.30	90.29 2.27 -17.07	88.02 2.07 -14.71	85.55 1.85 -12.61	84.94 1.78 -12.07	84.08 1.56 -11.57	84.03 1.56 -11.58	86.73 2.06 -13.50	84.80 2.28 -11.35	115.96 3.68 -15.46	116.39 3.81 -14.87	92.84 2.89 -15.72	91.66 2.58 -15.47	88.39 2.06 -15.23	86.62 1.70 -13.89	86.57 1.77 -13.84
MILLIKEN___DIESEL 23629	86.99 1.48 -14.86	81.88 1.19 -14.49	73.40 1.03 -15.16	72.75 1.15 -13.99	78.42 1.25 -14.58	87.35 1.84 -14.71	92.10 2.42 -18.58	99.64 2.41 -26.21	92.45 2.13 -19.30	90.29 2.27 -17.07	88.02 2.07 -14.71	85.55 1.85 -12.61	84.94 1.78 -12.07	84.08 1.56 -11.57	84.03 1.56 -11.58	86.73 2.06 -13.50	84.80 2.28 -11.35	115.96 3.68 -15.46	116.39 3.81 -14.87	92.84 2.89 -15.72	91.66 2.58 -15.47	88.39 2.06 -15.23	86.62 1.70 -13.89	86.57 1.77 -13.84
MILLSEAT___LFGE 323607	75.92 -5.30 -10.57	71.60 -4.90 -10.31	63.82 -4.17 -10.78	63.70 -3.86 -9.94	68.58 -4.38 -10.37	76.45 -4.82 -10.46	80.47 -3.84 -13.22	84.47 -5.18 -18.63	78.38 -5.82 -13.18	76.77 -6.31 -12.14	76.36 -5.34 -10.46	74.09 -5.97 -8.97	73.56 -6.11 -8.58	72.72 -6.46 -8.23	72.60 -6.52 -8.24	75.21 -5.55 -9.60	77.16 -5.34 -11.33	102.02 -5.51 -10.72	101.98 -6.06 -10.33	80.40 -4.75 -10.93	79.29 -5.08 -10.76	76.24 -5.69 -10.83	75.43 -5.47 -9.88	76.04 -4.75 -9.84
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	143.85 5.86 -67.34	137.11 5.23 -65.69	130.44 4.52 -68.70	125.43 4.44 -63.38	133.47 4.82 -66.06	143.05 5.59 -66.66	161.01 5.69 -84.23	196.04 6.25 -118.76	163.25 6.46 -85.76	156.59 6.67 -78.97	145.64 6.70 -67.70	135.39 6.61 -57.68	132.25 6.47 -54.68	129.86 6.46 -52.45	131.65 6.52 -54.25	142.04 6.62 -64.26	129.32 6.69 -51.46	214.28 9.20 -108.26	178.42 9.28 -71.43	162.53 7.05 -81.25	148.68 6.92 -68.15	146.67 6.54 -69.03	140.45 6.46 -62.97	139.85 6.17 -62.72
MILLWOOD_13_KV_LOAD 356217	144.06 6.08 -67.34	137.31 5.43 -65.69	130.55 4.63 -68.70	125.55 4.55 -63.38	133.60 4.94 -66.06	143.20 5.74 -66.66	161.23 5.90 -84.23	196.25 6.46 -118.76	163.46 6.68 -85.76	156.80 6.88 -78.97	145.93 6.98 -67.70	135.68 6.90 -57.68	132.46 6.68 -54.68	130.00 6.60 -52.45	131.79 6.66 -54.25	142.25 6.83 -64.26	129.53 6.90 -51.46	214.67 9.59 -108.26	178.71 9.58 -71.43	162.75 7.27 -81.25	148.90 7.14 -68.15	146.89 6.75 -69.03	140.60 6.60 -62.97	139.99 6.31 -62.72
MODEL_CITY_ENERGY 24167	74.04 -7.70 -11.09	69.93 -7.08 -10.82	62.47 -6.07 -11.32	62.35 -5.70 -10.44	66.97 -6.51 -10.88	74.56 -7.22 -10.98	78.36 -6.61 -13.88	82.35 -8.24 -19.57	75.88 -8.88 -13.73	74.47 -9.22 -12.74	73.96 -8.26 -10.98	71.76 -8.75 -9.41	71.22 -8.89 -9.01	70.37 -9.22 -8.64	70.25 -9.28 -8.65	72.84 -8.40 -10.08	74.90 -8.18 -11.91	98.41 -9.68 -11.28	98.40 -10.16 -10.86	77.92 -7.79 -11.49	76.75 -8.17 -11.31	73.87 -8.61 -11.37	73.16 -8.24 -10.37	74.05 -7.24 -10.33
MODERN_LFGE___ 323580	74.04 -7.70 -11.09	69.93 -7.08 -10.82	62.47 -6.07 -11.32	62.35 -5.70 -10.44	66.97 -6.51 -10.88	74.56 -7.22 -10.98	78.36 -6.61 -13.88	82.35 -8.24 -19.57	75.88 -8.88 -13.73	74.47 -9.22 -12.74	73.96 -8.26 -10.98	71.76 -8.75 -9.41	71.22 -8.89 -9.01	70.37 -9.22 -8.64	70.25 -9.28 -8.65	72.84 -8.40 -10.08	74.90 -8.18 -11.91	98.41 -9.68 -11.28	98.40 -10.16 -10.86	77.92 -7.79 -11.49	76.75 -8.17 -11.31	73.87 -8.61 -11.37	73.16 -8.24 -10.37	74.05 -7.24 -10.33
MOHAWK_PAPER___DRP 24187	163.57 3.60 -89.32	156.70 3.38 -87.13	151.26 2.92 -91.12	144.74 3.05 -84.07	153.35 3.13 -87.63	162.76 3.54 -88.41	186.52 3.70 -111.72	232.11 3.55 -157.53	215.84 3.69 -141.13	176.48 3.76 -101.77	162.83 3.70 -87.88	150.31 3.70 -75.52	147.47 3.84 -72.54	144.28 3.76 -69.57	143.17 3.54 -68.74	154.21 3.49 -79.55	142.91 3.49 -68.26	201.14 4.94 -99.38	216.04 4.89 -113.45	193.42 3.71 -115.49	197.38 3.61 -120.16	166.08 3.41 -91.57	158.10 3.55 -83.52	157.56 3.41 -83.20
MOHICAN___35_KV_115KV_LD 80490	166.68 4.66 -91.37	159.76 4.43 -89.13	154.15 3.72 -93.22	147.42 3.80 -86.00	156.43 4.19 -89.64	166.28 5.03 -90.45	190.86 5.47 -114.29	237.71 5.54 -161.15	237.22 5.54 -160.66	180.47 5.39 -104.12	167.85 6.70 -89.91	154.82 6.47 -77.26	151.41 6.11 -74.20	148.08 5.96 -71.17	147.46 6.24 -70.34	159.26 6.69 -81.41	148.11 7.12 -69.83	226.42 9.88 -119.72	241.30 9.77 -133.83	217.61 7.42 -135.97	221.69 7.43 -140.65	171.60 6.83 -93.67	162.93 6.46 -85.44	162.24 6.17 -85.11
MONGAUP___HYD 23641	137.58 5.09 -61.84	131.02 4.50 -60.33	124.14 3.83 -63.09	119.57 3.74 -58.21	127.39 4.13 -60.67	137.05 5.03 -61.22	153.07 4.62 -77.36	184.93 4.83 -109.07	154.72 4.90 -78.80	148.04 4.68 -72.40	138.69 5.35 -62.10	129.08 5.05 -52.94	126.29 4.98 -50.22	124.08 4.96 -48.17	125.46 4.89 -49.69	135.14 5.19 -58.78	155.57 5.13 -79.28	200.60 7.27 -96.51	170.24 7.33 -65.20	153.58 5.57 -73.78	142.42 6.18 -62.63	140.11 5.62 -63.40	134.39 5.54 -57.83	133.95 5.39 -57.61
MONTAUK___DIESEL 23721	148.14 9.75 -67.74	141.00 8.74 -66.08	133.82 7.50 -69.11	128.11 6.74 -63.76	136.49 7.45 -66.45	146.99 9.13 -67.05	164.00 8.18 -84.73	199.79 9.30 -119.47	166.24 8.95 -86.27	159.48 9.08 -79.44	147.97 8.48 -68.24	145.17 8.32 -65.75	144.25 7.89 -65.26	145.38 8.37 -66.05	148.43 8.65 -68.90	151.01 8.97 -70.88	142.74 9.47 -62.11	219.68 13.75 -109.11	205.35 13.78 -93.87	200.15 10.09 -115.83	164.85 9.79 -81.46	158.81 9.53 -78.19	146.30 9.52 -65.76	150.00 10.57 -68.48
MOONROAD_115KV_HARTFLD_TB1-2 355988	78.58 -4.73 -12.66	73.98 -4.57 -12.35	66.25 -3.89 -12.92	65.79 -3.74 -11.92	70.70 -4.32 -12.42	78.95 -4.39 -12.54	83.53 -3.41 -15.84	88.88 -4.47 -22.34	81.82 -4.97 -15.78	81.24 -4.26 -14.55	79.22 -4.56 -12.54	76.80 -5.05 -10.75	76.19 -5.19 -10.28	75.35 -5.46 -9.86	75.23 -5.53 -9.87	78.04 -4.63 -11.50	76.57 -4.27 -9.68	105.29 -4.45 -12.93	105.46 -4.69 -12.44	84.05 -3.34 -13.16	82.29 -4.27 -12.95	79.39 -4.69 -12.98	78.18 -4.69 -11.84	79.13 -3.62 -11.80



MORRIS_RIDGE___SOLAR 323848	80.67 -4.59 -14.61	75.94 -4.50 -14.25	68.29 -3.83 -14.91	67.74 -3.63 -13.75	72.79 -4.13 -14.33	80.88 -4.39 -14.46	85.60 -3.77 -18.28	91.89 -4.90 -25.77	84.07 -5.40 -18.45	81.85 -5.89 -16.78	80.43 -5.27 -14.46	77.74 -5.76 -12.40	77.06 -5.90 -11.86	76.16 -6.17 -11.38	75.96 -6.31 -11.39	79.03 -5.41 -13.27	82.12 -4.84 -15.79	106.56 -5.23 -14.97	106.73 -5.37 -14.40	85.30 -4.16 -15.23	84.18 -4.41 -14.99	81.17 -4.90 -14.98	79.93 -4.76 -13.66	80.52 -4.04 -13.61
MORTIMER_115KV_TB3 55949	76.58 -3.11 -9.04	72.09 -2.91 -8.81	63.92 -2.52 -9.22	63.76 -2.36 -8.51	68.89 -2.57 -8.86	76.99 -2.76 -8.94	80.48 -1.92 -11.30	84.33 -2.63 -15.94	79.53 -3.05 -11.57	78.85 -2.48 -10.38	77.48 -2.71 -8.94	75.64 -3.13 -7.67	75.24 -3.20 -7.34	74.51 -3.48 -7.04	74.38 -3.54 -7.04	76.45 -2.92 -8.21	75.30 -2.78 -6.91	103.22 -2.71 -9.11	103.56 -2.93 -8.79	81.30 -2.23 -9.30	80.19 -2.58 -9.16	77.37 -2.99 -9.26	76.35 -3.12 -8.45	76.60 -2.77 -8.42
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	145.02 6.64 -67.73	138.15 5.89 -66.07	131.35 5.04 -69.10	126.26 4.90 -63.75	134.42 5.38 -66.45	144.01 6.16 -67.04	162.07 6.26 -84.72	197.37 6.89 -119.46	164.53 7.24 -86.26	157.91 7.52 -79.43	146.90 7.55 -68.10	136.59 7.47 -58.02	133.35 7.25 -55.00	130.94 7.24 -52.75	132.75 7.30 -54.57	143.28 7.47 -64.65	130.40 7.47 -51.76	216.08 10.17 -109.10	179.94 10.36 -71.88	163.88 7.87 -81.79	149.88 7.73 -68.54	147.93 7.39 -69.44	141.67 7.32 -63.34	141.07 7.02 -63.09
MUNSVILLE_WIND_PWR 323609	99.05 6.00 -22.39	93.20 5.17 -21.85	84.53 4.47 -22.85	83.24 4.55 -21.08	89.75 5.19 -21.97	99.63 6.65 -22.17	106.93 7.82 -28.01	118.40 7.88 -39.50	108.94 7.32 -30.60	103.77 7.09 -25.73	100.54 7.12 -22.17	97.07 6.97 -19.00	96.18 6.89 -18.19	94.64 6.25 -17.44	94.37 6.02 -17.46	98.56 7.05 -20.35	104.82 7.40 -26.25	132.90 11.03 -25.05	133.82 12.01 -24.09	108.44 8.83 -25.39	106.99 8.39 -24.99	101.10 7.04 -22.96	98.71 6.75 -20.94	98.48 6.67 -20.86
N SALMON___HYD 24042	68.89 -1.76 0.00	64.80 -1.39 0.00	56.01 -1.20 0.00	56.23 -1.38 0.00	61.16 -1.44 0.00	69.11 -1.70 0.00	69.18 -1.92 0.00	69.39 -1.63 0.00	69.17 -1.85 0.00	69.04 -1.91 0.00	68.75 -2.50 0.00	68.54 -2.56 0.00	68.68 -2.42 0.00	68.68 -2.27 0.00	68.76 -2.12 0.00	68.61 -2.56 0.00	68.53 -2.63 0.00	72.06 -3.97 20.79	72.09 -4.10 21.52	71.25 -2.97 0.00	70.88 -2.72 0.00	68.82 -2.28 0.00	68.82 -2.20 0.00	69.18 -1.77 0.00
N.AKRON__115KV_KNAPP 355671	75.78 -5.51 -10.64	71.47 -5.10 -10.38	63.72 -4.35 -10.85	63.48 -4.15 -10.01	68.40 -4.63 -10.44	76.31 -5.03 -10.53	80.35 -4.05 -13.31	84.53 -5.26 -18.76	78.39 -5.89 -13.26	78.06 -5.11 -12.22	76.29 -5.49 -10.53	74.08 -6.04 -9.03	73.55 -6.19 -8.64	72.71 -6.53 -8.29	72.58 -6.59 -8.29	75.13 -5.69 -9.66	73.89 -5.41 -8.13	101.61 -6.00 -10.80	101.76 -6.35 -10.40	80.48 -4.75 -11.00	79.14 -5.30 -10.84	76.24 -5.76 -10.91	75.29 -5.68 -9.95	75.89 -4.97 -9.91
N.BELMOR_69_KV_BK1 55787	146.44 8.05 -67.74	139.55 7.28 -66.08	132.45 6.12 -69.11	127.02 5.65 -63.76	135.31 6.26 -66.45	145.36 7.51 -67.05	162.87 7.04 -84.73	198.44 7.95 -119.47	165.32 8.03 -86.27	158.63 8.23 -79.44	148.32 8.83 -68.25	145.59 8.74 -65.75	144.82 8.46 -65.26	145.45 8.44 -66.06	148.36 8.58 -68.90	150.80 8.75 -70.88	142.03 8.75 -62.11	218.13 12.20 -109.11	203.89 12.31 -93.87	199.18 9.13 -115.83	167.11 9.05 -84.45	162.23 8.67 -82.45	145.66 8.88 -65.77	148.01 8.59 -68.47
N.E_GEN_SANDY PD 24062	154.79 4.38 -79.76	148.10 4.11 -77.81	142.19 3.61 -81.37	136.32 3.63 -75.07	144.97 4.13 -78.25	154.50 4.74 -78.95	175.70 4.84 -99.77	216.45 4.76 -140.67	185.03 4.97 -109.04	167.93 4.96 -92.01	155.51 5.06 -79.21	143.96 5.05 -67.81	140.77 4.90 -64.77	137.97 4.89 -62.12	138.60 5.11 -62.61	149.50 5.13 -73.21	173.40 5.19 -97.04	202.52 7.16 -98.54	192.10 7.33 -87.06	172.80 5.49 -93.08	167.74 5.30 -88.83	157.84 4.98 -81.77	150.50 4.90 -74.58	150.00 4.75 -74.29
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	141.29 5.37 -65.27	134.69 4.83 -63.67	127.92 4.12 -66.59	123.14 4.09 -61.43	131.07 4.44 -64.03	140.51 5.10 -64.61	158.00 5.26 -81.64	191.89 5.75 -115.11	160.13 5.97 -83.14	153.62 6.17 -76.49	143.03 6.20 -65.59	133.11 6.11 -55.90	130.00 5.90 -53.00	127.68 5.89 -50.84	129.36 5.95 -52.52	139.48 6.12 -62.19	127.23 6.19 -49.87	209.16 8.52 -103.82	175.39 8.60 -69.08	159.19 6.53 -78.43	146.01 6.33 -66.07	144.05 6.04 -66.91	137.95 5.89 -61.03	137.42 5.68 -60.80
N.QUEENS_27_KV_LOAD 356247	145.24 6.85 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.44 5.07 -63.76	134.56 5.51 -66.46	144.15 6.30 -67.04	162.06 6.26 -84.71	197.57 7.10 -119.44	164.66 7.39 -86.25	158.11 7.73 -79.42	147.04 7.69 -68.10	136.73 7.61 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.90 7.44 -54.58	143.36 7.54 -64.65	130.32 7.40 -51.75	216.08 10.17 -109.09	179.83 10.26 -71.87	163.79 7.79 -81.78	150.25 8.10 -68.55	148.00 7.47 -69.44	141.89 7.53 -63.34	141.21 7.17 -63.10
N.TROY___115KV_TB1 355778	164.17 3.82 -89.71	157.34 3.64 -87.51	151.88 3.15 -91.52	145.28 3.23 -84.44	154.23 3.63 -88.01	163.71 4.11 -88.80	187.57 4.27 -112.21	233.36 4.12 -158.22	225.52 4.26 -150.24	177.60 4.33 -102.32	163.92 4.35 -88.33	151.25 4.27 -75.88	148.07 4.12 -72.85	144.94 4.12 -69.87	144.30 4.25 -69.16	155.61 4.34 -80.11	144.21 4.48 -68.56	214.88 6.29 -111.77	227.65 6.35 -123.59	205.10 4.82 -126.05	208.18 4.64 -129.94	167.40 4.34 -91.97	159.17 4.26 -83.89	158.56 4.04 -83.56
NARROWS_GT1_1 24228	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT1_2 24229	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT1_3 24230	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT1_4 24231	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66



NARROWS_GT1_5 24232	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT1_6 24233	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT1_7 24234	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT1_8 24235	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_1 24236	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_2 24237	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_3 24238	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_4 24239	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_5 24240	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_6 24241	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_7 24242	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NARROWS_GT2_8 24243	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	158.18 4.38 -83.15	151.34 4.04 -81.12	145.48 3.43 -84.83	139.45 3.57 -78.27	147.68 3.51 -81.58	157.36 4.25 -82.31	179.66 4.55 -104.01	222.01 4.33 -146.66	192.29 4.40 -116.86	170.11 4.04 -95.12	156.93 3.63 -82.06	145.01 3.48 -70.43	142.32 3.70 -67.53	139.41 3.69 -64.77	138.40 3.12 -64.40	149.28 3.34 -74.77	138.70 3.99 -63.55	189.38 6.58 -85.98	194.48 5.57 -91.20	172.86 4.16 -94.48	173.88 4.20 -96.07	160.19 3.84 -85.25	152.76 3.98 -77.76	152.31 3.90 -77.46
NCHELSEA_115KV_TR2 355582	144.85 6.57 -67.63	137.99 5.82 -65.97	131.19 4.98 -69.00	126.22 4.95 -63.66	134.39 5.45 -66.35	144.12 6.37 -66.94	162.30 6.61 -84.59	197.26 6.96 -119.28	164.66 7.17 -86.46	157.42 7.24 -79.23	146.31 7.12 -67.95	135.97 6.97 -57.91	132.77 6.75 -54.92	130.37 6.74 -52.67	132.01 6.73 -54.40	142.60 7.05 -64.39	130.25 7.40 -51.68	214.07 10.07 -107.18	179.78 10.26 -71.81	163.41 7.79 -81.40	150.07 7.66 -68.80	147.54 7.11 -69.33	141.22 6.96 -63.24	140.69 6.74 -63.00
NEG CAPITAL___MECHNVIL 23645	166.53 5.09 -90.79	159.59 4.83 -88.57	153.96 4.12 -92.62	147.27 4.20 -85.46	156.29 4.63 -89.07	165.63 4.95 -89.87	189.92 5.26 -113.56	236.33 5.18 -160.13	233.67 5.26 -157.40	179.47 5.04 -103.48	165.73 5.13 -89.35	152.85 4.98 -76.77	149.59 4.76 -73.73	146.35 4.68 -70.71	145.68 4.89 -69.92	157.29 5.19 -80.93	211.11 5.48 -134.46	221.36 7.46 -117.09	235.96 7.63 -130.62	212.85 5.79 -132.83	216.67 5.75 -137.32	169.79 5.62 -93.08	161.32 5.39 -84.90	160.70 5.18 -84.57



NEG CENTRAL_HIGH_ACRES 23767	75.94 -3.53 -8.82	71.49 -3.31 -8.60	63.36 -2.86 -9.00	63.27 -2.65 -8.30	68.31 -2.94 -8.65	76.35 -3.18 -8.73	79.78 -2.34 -11.03	83.66 -2.91 -15.56	77.16 -3.34 -9.47	77.54 -3.55 -10.13	77.05 -2.92 -8.73	75.31 -3.27 -7.48	74.85 -3.41 -7.16	74.13 -3.69 -6.87	74.07 -3.69 -6.87	76.05 -3.13 -8.01	75.45 -3.13 -7.42	100.61 -3.10 -6.90	100.87 -3.42 -6.58	78.56 -2.74 -7.08	77.68 -2.87 -6.95	76.80 -3.34 -9.04	75.86 -3.41 -8.25	75.98 -3.19 -8.22
NEG CENTRAL___DRP 24199	80.04 -0.64 -10.03	75.18 -0.79 -9.79	66.76 -0.69 -10.23	66.48 -0.58 -9.44	71.81 -0.63 -9.84	80.38 -0.35 -9.93	84.00 0.36 -12.55	88.85 0.14 -17.69	83.70 -0.14 -12.82	82.54 0.07 -11.52	81.10 -0.07 -9.93	79.25 -0.36 -8.51	78.82 -0.43 -8.15	78.13 -0.64 -7.81	78.06 -0.64 -7.82	80.13 -0.14 -9.11	78.76 -0.07 -7.67	107.57 0.58 -10.17	108.09 0.59 -9.80	85.19 0.59 -10.37	84.04 0.22 -10.21	81.10 -0.28 -10.28	79.90 -0.50 -9.38	79.94 -0.35 -9.34
NEG CENTRAL___INDECK 23768	82.23 -1.13 -12.71	77.40 -1.19 -12.40	69.22 -0.97 -12.97	68.77 -0.81 -11.97	74.13 -0.94 -12.47	82.68 -0.71 -12.59	87.57 0.57 -15.90	91.24 -2.20 -22.42	84.36 -2.84 -16.18	82.22 -3.33 -14.60	80.98 -2.85 -12.59	78.40 -3.48 -10.79	77.80 -3.62 -10.33	76.81 -4.04 -9.90	76.83 -3.97 -9.91	79.73 -2.99 -11.55	82.38 -2.49 -13.70	107.86 -1.94 -12.98	107.95 -2.24 -12.49	85.81 -1.63 -13.22	86.84 0.22 -13.01	83.49 -0.64 -13.03	82.13 -0.78 -11.89	82.30 -0.49 -11.84
NEG CENTRAL___SENECA 23627	80.40 -1.13 -10.88	75.55 -1.26 -10.62	67.23 -1.09 -11.10	66.94 -0.92 -10.24	72.27 -1.00 -10.68	80.80 -0.78 -10.77	84.78 0.07 -13.61	89.93 -0.28 -19.19	84.23 -0.71 -13.92	83.03 -0.43 -12.50	81.37 -0.64 -10.77	79.48 -0.85 -9.24	78.94 -1.00 -8.84	78.15 -1.28 -8.48	78.16 -1.20 -8.48	80.41 -0.64 -9.88	78.99 -0.50 -8.32	107.98 0.10 -11.06	108.36 0.00 -10.65	85.72 0.22 -11.27	84.48 -0.22 -11.10	81.47 -0.78 -11.16	80.20 -0.99 -10.18	80.38 -0.71 -10.14
NEG CENTRAL___STATE_STREET 24147	80.83 0.28 -9.89	75.91 0.07 -9.65	67.37 0.06 -10.09	67.10 0.17 -9.31	72.49 0.19 -9.71	81.24 0.64 -9.79	84.68 1.21 -12.38	89.61 1.14 -17.45	84.63 0.92 -12.68	83.45 1.14 -11.36	82.03 1.00 -9.79	80.27 0.78 -8.40	79.84 0.71 -8.03	79.15 0.50 -7.71	79.09 0.50 -7.71	81.08 0.93 -8.99	79.72 1.00 -7.56	108.91 2.03 -10.05	109.45 2.05 -9.69	86.04 1.56 -10.25	84.96 1.25 -10.10	82.02 0.78 -10.14	80.77 0.50 -9.25	80.74 0.57 -9.22
NEG MILLWOOD___DRP 24198	145.85 6.85 -68.34	139.01 6.16 -66.67	132.15 5.21 -69.72	127.07 5.13 -64.33	135.27 5.63 -67.05	145.04 6.58 -67.65	163.62 7.04 -85.49	199.09 7.53 -120.54	165.91 7.67 -87.22	158.88 7.80 -80.12	147.78 7.84 -68.70	137.24 7.61 -58.54	133.99 7.39 -55.50	131.42 7.24 -53.23	133.21 7.30 -55.03	143.95 7.61 -65.17	131.29 7.90 -52.23	217.32 11.04 -109.46	181.25 10.94 -72.60	165.02 8.31 -82.48	151.14 8.17 -69.36	148.91 7.75 -70.06	142.32 7.39 -63.91	141.64 7.02 -63.66
NEG NORTH_FLCN_SEA 23793	68.67 -1.98 0.00	64.53 -1.65 0.00	55.79 -1.43 0.00	56.12 -1.50 0.00	60.97 -1.63 0.00	68.82 -1.98 0.00	68.18 -2.91 0.00	68.25 -2.77 0.00	68.11 -2.91 0.00	67.62 -3.33 0.00	67.82 -3.42 0.00	67.76 -3.34 0.00	67.90 -3.20 0.00	67.90 -3.05 0.00	67.90 -2.98 0.00	67.75 -3.42 0.00	67.61 -3.56 0.00	69.65 -4.94 22.23	69.61 -5.08 23.01	70.29 -3.93 0.00	70.00 -3.61 0.00	68.04 -3.06 0.00	68.11 -2.91 0.00	69.18 -1.77 0.00
NEG NORTH_KES_CHATEGAY 23792	67.97 -2.68 0.00	63.94 -2.25 0.00	55.27 -1.95 0.00	55.54 -2.07 0.00	60.40 -2.19 0.00	68.11 -2.69 0.00	67.90 -3.20 0.00	67.90 -3.12 0.00	67.82 -3.20 0.00	67.33 -3.62 0.00	67.54 -3.70 0.00	67.54 -3.55 0.00	67.61 -3.48 0.00	67.69 -3.26 0.00	67.62 -3.26 0.00	67.54 -3.63 0.00	67.47 -3.70 0.00	69.65 -5.33 21.85	69.62 -5.47 22.61	70.07 -4.16 0.00	69.78 -3.83 0.00	67.83 -3.27 0.00	67.97 -3.05 0.00	68.40 -2.55 0.00
NEG NORTH___ALICE_FALLS 23915	68.95 -1.70 0.00	64.80 -1.39 0.00	56.07 -1.14 0.00	56.35 -1.27 0.00	61.28 -1.31 0.00	69.18 -1.63 0.00	68.82 -2.28 0.00	68.89 -2.13 0.00	68.68 -2.34 0.00	68.11 -2.84 0.00	68.39 -2.85 0.00	68.25 -2.84 0.00	68.40 -2.70 0.00	68.47 -2.48 0.00	68.40 -2.48 0.00	68.32 -2.85 0.00	68.18 -2.99 0.00	70.68 -3.97 22.17	70.55 -4.20 22.95	70.88 -3.34 0.00	70.66 -2.94 0.00	68.61 -2.49 0.00	68.68 -2.34 0.00	69.53 -1.42 0.00
NEG NORTH___LWR_SARANAC 23913	68.95 -1.70 0.00	64.80 -1.39 0.00	56.07 -1.14 0.00	56.35 -1.27 0.00	61.28 -1.31 0.00	69.18 -1.63 0.00	68.82 -2.28 0.00	68.89 -2.13 0.00	68.68 -2.34 0.00	68.11 -2.84 0.00	68.39 -2.85 0.00	68.25 -2.84 0.00	68.40 -2.70 0.00	68.47 -2.48 0.00	68.40 -2.48 0.00	68.32 -2.85 0.00	68.18 -2.99 0.00	70.68 -3.97 22.17	70.55 -4.20 22.95	70.88 -3.34 0.00	70.66 -2.94 0.00	68.61 -2.49 0.00	68.68 -2.34 0.00	69.53 -1.42 0.00
NEG NORTH___PLATTSBURG 23628	68.95 -1.70 0.00	64.87 -1.32 0.00	56.07 -1.14 0.00	56.35 -1.27 0.00	61.28 -1.32 0.00	69.18 -1.63 0.00	68.82 -2.28 0.00	68.96 -2.06 0.00	68.75 -2.28 0.00	68.68 -2.27 0.00	68.39 -2.85 0.00	68.32 -2.77 0.00	68.40 -2.70 0.00	68.47 -2.49 0.00	68.47 -2.41 0.00	68.39 -2.78 0.00	68.32 -2.85 0.00	70.68 -3.97 22.17	70.56 -4.20 22.95	71.11 -3.11 0.00	70.66 -2.95 0.00	68.61 -2.49 0.00	68.68 -2.34 0.00	69.46 -1.49 0.00
NEG WEST_LEA_LOCKPORT 23791	74.41 -7.21 -10.97	70.21 -6.69 -10.70	62.69 -5.72 -11.19	62.47 -5.47 -10.33	67.16 -6.20 -10.76	74.87 -6.80 -10.86	78.78 -6.04 -13.72	82.91 -7.46 -19.35	76.54 -8.10 -13.61	76.39 -7.17 -12.60	74.48 -7.62 -10.86	72.23 -8.18 -9.31	71.76 -8.25 -8.91	70.91 -8.59 -8.54	70.79 -8.65 -8.55	73.37 -7.76 -9.96	72.08 -7.47 -8.38	98.96 -9.00 -11.15	99.16 -9.28 -10.74	78.68 -6.90 -11.36	77.21 -7.58 -11.18	74.52 -7.82 -11.25	73.61 -7.67 -10.26	74.43 -6.74 -10.22
NEG WEST___LANCASTR 23811	76.43 -7.06 -12.85	72.04 -6.69 -12.53	64.60 -5.72 -13.11	64.18 -5.53 -12.09	68.94 -6.26 -12.60	76.73 -6.80 -12.72	81.05 -6.11 -16.07	86.44 -7.24 -22.66	79.23 -7.81 -16.02	78.61 -7.10 -14.76	76.55 -7.41 -12.72	74.18 -7.82 -10.90	73.57 -7.96 -10.43	72.73 -8.23 -10.01	72.61 -8.29 -10.02	75.36 -7.47 -11.67	73.80 -7.19 -9.82	101.23 -8.71 -13.12	101.34 -8.99 -12.62	80.90 -6.68 -13.36	79.39 -7.36 -13.15	76.66 -7.61 -13.17	75.51 -7.53 -12.01	76.32 -6.60 -11.97
NEG_PENN_ALLEGHNY 23528	94.28 0.28 -23.35	89.03 0.07 -22.78	81.15 0.11 -23.82	79.76 0.17 -21.98	85.63 0.13 -22.91	94.42 0.50 -23.11	101.23 0.92 -29.21	112.84 0.64 -41.18	101.83 0.50 -30.31	98.13 0.36 -26.82	95.00 0.64 -23.12	91.34 0.43 -19.82	90.42 0.36 -18.96	89.35 0.21 -18.19	89.30 0.21 -18.21	93.02 0.64 -21.22	97.49 0.64 -25.68	122.69 1.45 -24.41	122.70 1.56 -23.43	100.04 1.04 -24.78	98.86 0.89 -24.37	95.46 0.43 -23.94	93.14 0.29 -21.83	93.27 0.56 -21.75
NEG___GEN_MONROE 24207	76.73 -3.04 -9.12	72.31 -2.78 -8.90	64.12 -2.40 -9.31	63.89 -2.30 -8.59	69.04 -2.50 -8.95	77.21 -2.62 -9.03	80.59 -1.92 -11.41	84.27 -2.84 -16.09	79.34 -3.34 -11.66	78.73 -2.70 -10.48	77.21 -3.06 -9.03	75.21 -3.63 -7.74	74.81 -3.70 -7.41	74.01 -4.04 -7.10	73.95 -4.04 -7.11	76.10 -3.34 -8.28	74.86 -3.27 -6.97	102.73 -3.29 -9.20	103.06 -3.52 -8.87	81.02 -2.60 -9.39	79.84 -3.02 -9.25	76.89 -3.55 -9.35	75.93 -3.62 -8.53	76.47 -2.98 -8.50



NEPA__ENERGY 23901	77.21 -5.58 -12.14	72.74 -5.30 -11.84	65.08 -4.52 -12.38	64.72 -4.32 -11.43	69.56 -4.94 -11.91	77.58 -5.24 -12.02	81.87 -4.41 -15.18	86.75 -5.68 -21.41	79.83 -6.25 -15.06	79.50 -5.39 -13.94	77.42 -5.84 -12.02	75.14 -6.26 -10.30	74.56 -6.40 -9.86	73.74 -6.67 -9.45	73.61 -6.73 -9.46	76.36 -5.84 -11.03	74.89 -5.55 -9.28	102.90 -6.29 -12.37	103.07 -6.55 -11.91	82.00 -4.82 -12.60	80.42 -5.59 -12.40	77.64 -5.90 -12.44	76.55 -5.82 -11.35	77.43 -4.82 -11.31
NEVERSink__HYD 23608	138.67 6.50 -61.52	131.96 5.76 -60.01	124.90 4.92 -62.76	120.41 4.89 -57.91	128.33 5.38 -60.35	138.21 6.51 -60.90	154.87 6.83 -76.95	186.63 7.10 -108.50	157.59 7.25 -79.32	149.70 6.96 -71.79	139.77 6.91 -61.62	130.29 6.61 -52.58	127.67 6.61 -49.96	125.32 6.46 -47.92	126.29 6.24 -49.17	135.81 6.62 -58.02	155.99 7.26 -77.56	197.89 9.97 -91.10	173.05 10.35 -64.99	154.73 7.86 -72.65	144.72 7.80 -63.32	141.21 7.04 -63.07	135.44 6.89 -57.53	135.00 6.74 -57.31
NEWKRMKL_115KV_TB1 55635	162.89 3.18 -89.06	156.05 2.98 -86.88	150.65 2.57 -90.86	144.15 2.71 -83.83	152.47 2.50 -87.37	161.79 2.83 -88.16	185.27 2.77 -111.40	230.79 2.70 -157.07	210.44 2.91 -136.50	175.36 2.98 -101.43	161.76 2.92 -87.60	149.37 2.99 -75.28	146.83 3.41 -72.32	143.65 3.33 -69.37	142.00 2.62 -68.50	152.89 2.49 -79.24	141.57 2.35 -68.06	193.50 3.29 -93.39	209.19 3.13 -108.36	186.83 2.38 -110.23	191.19 2.36 -115.23	164.75 2.35 -91.30	157.14 2.84 -83.28	156.68 2.77 -82.96
NEWTON__FALLS_HYD 23847	70.61 -1.91 -1.86	66.15 -1.85 -1.82	57.52 -1.60 -1.90	57.70 -1.67 -1.75	62.73 -1.69 -1.83	70.81 -1.84 -1.84	71.79 -1.64 -2.33	72.96 -1.35 -3.29	71.45 -1.56 -1.99	71.30 -1.77 -2.13	71.22 -1.85 -1.83	70.75 -1.92 -1.58	70.76 -1.85 -1.51	70.63 -1.77 -1.45	70.55 -1.77 -1.44	70.98 -1.85 -1.66	70.74 -1.85 -1.42	83.12 -3.10 10.60	84.11 -2.83 10.77	73.38 -2.23 -1.39	73.31 -1.77 -1.47	71.16 -1.85 -1.91	70.85 -1.92 -1.74	70.70 -1.99 -1.74
NGRID_A1_DSASP 323792	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.65 -5.95 -11.39	62.53 -5.59 -10.51	67.10 -6.45 -10.95	74.71 -7.15 -11.05	78.45 -6.61 -13.96	82.33 -8.38 -19.69	75.80 -8.95 -13.73	74.48 -9.29 -12.82	73.96 -8.34 -11.05	71.75 -8.82 -9.47	71.27 -8.89 -9.06	70.42 -9.22 -8.69	70.30 -9.28 -8.70	72.91 -8.40 -10.14	74.90 -8.25 -11.99	98.29 -9.88 -11.35	98.27 -10.36 -10.93	77.85 -7.94 -11.56	76.75 -8.24 -11.38	73.79 -8.75 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
NGRID_A2_DSASP 323793	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.65 -5.95 -11.39	62.53 -5.59 -10.51	67.10 -6.45 -10.95	74.71 -7.15 -11.05	78.45 -6.61 -13.96	82.33 -8.38 -19.69	75.80 -8.95 -13.73	74.48 -9.29 -12.82	73.96 -8.34 -11.05	71.75 -8.82 -9.47	71.27 -8.89 -9.06	70.42 -9.22 -8.69	70.30 -9.28 -8.70	72.91 -8.40 -10.14	74.90 -8.25 -11.99	98.29 -9.88 -11.35	98.27 -10.36 -10.93	77.85 -7.94 -11.56	76.75 -8.24 -11.38	73.79 -8.75 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
NGRID_A4_DSASP 323807	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.65 -5.95 -11.39	62.53 -5.59 -10.51	67.10 -6.45 -10.95	74.71 -7.15 -11.05	78.45 -6.61 -13.96	82.33 -8.38 -19.69	75.80 -8.95 -13.73	74.48 -9.29 -12.82	73.96 -8.34 -11.05	71.75 -8.82 -9.47	71.27 -8.89 -9.06	70.42 -9.22 -8.69	70.30 -9.28 -8.70	72.91 -8.40 -10.14	74.90 -8.25 -11.99	98.29 -9.88 -11.35	98.27 -10.36 -10.93	77.85 -7.94 -11.56	76.75 -8.24 -11.38	73.79 -8.75 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
NIAGARA_115E_LBMP 323715	73.72 -8.12 -11.20	69.63 -7.48 -10.92	62.29 -6.35 -11.42	62.16 -5.99 -10.54	66.69 -6.89 -10.98	74.24 -7.65 -11.08	78.06 -7.04 -14.00	82.03 -8.74 -19.75	75.56 -9.30 -13.84	74.16 -9.65 -12.86	73.56 -8.77 -11.08	71.36 -9.24 -9.50	70.88 -9.31 -9.09	70.02 -9.65 -8.72	69.90 -9.71 -8.73	72.51 -8.83 -10.17	74.58 -8.61 -12.03	97.84 -10.36 -11.38	97.82 -10.85 -10.96	77.51 -8.31 -11.60	76.34 -8.69 -11.42	73.47 -9.10 -11.48	72.82 -8.67 -10.47	73.72 -7.66 -10.43
NIAGARA_115W_LBMP 323714	74.02 -7.77 -11.15	69.91 -7.15 -10.87	62.52 -6.07 -11.37	62.40 -5.70 -10.49	66.96 -6.57 -10.93	74.55 -7.29 -11.03	78.28 -6.76 -13.94	82.15 -8.52 -19.66	75.63 -9.09 -13.71	74.32 -9.44 -12.80	73.80 -8.48 -11.03	71.59 -8.96 -9.46	71.12 -9.03 -9.05	70.27 -9.37 -8.68	70.14 -9.43 -8.69	72.75 -8.54 -10.12	74.74 -8.40 -11.97	98.08 -10.07 -11.33	98.06 -10.55 -10.91	77.68 -8.09 -11.55	76.58 -8.39 -11.37	73.63 -8.89 -11.43	73.06 -8.38 -10.42	73.95 -7.38 -10.38
NIAGARA_230_LBMP 323716	74.59 -7.06 -11.00	70.44 -6.48 -10.74	62.95 -5.49 -11.23	62.79 -5.19 -10.36	67.44 -5.95 -10.80	75.12 -6.58 -10.89	78.82 -6.04 -13.77	82.69 -7.74 -19.41	76.19 -8.31 -13.48	74.93 -8.66 -12.64	74.44 -7.70 -10.89	72.26 -8.17 -9.34	71.72 -8.32 -8.94	70.94 -8.59 -8.57	70.81 -8.65 -8.58	73.41 -7.76 -10.00	75.37 -7.61 -11.82	99.00 -9.00 -11.18	99.00 -9.48 -10.77	78.35 -7.27 -11.40	77.17 -7.66 -11.22	74.27 -8.11 -11.28	73.64 -7.67 -10.29	74.53 -6.67 -10.25
NIAGARA__115KV_198_GIBSON 55903	74.02 -7.77 -11.15	69.91 -7.15 -10.87	62.46 -6.12 -11.37	62.23 -5.88 -10.49	66.89 -6.63 -10.93	74.54 -7.29 -11.03	78.28 -6.75 -13.94	82.37 -8.31 -19.66	75.85 -8.88 -13.71	75.88 -7.88 -12.80	73.87 -8.41 -11.03	71.74 -8.82 -9.46	71.19 -8.96 -9.05	70.41 -9.22 -8.68	70.29 -9.29 -8.69	72.82 -8.47 -10.12	71.43 -8.26 -8.52	97.98 -10.17 -11.33	98.16 -10.45 -10.91	77.98 -7.79 -11.55	76.58 -8.39 -11.37	73.92 -8.60 -11.43	73.06 -8.38 -10.42	73.95 -7.38 -10.38
NIAGARA____ 23760	74.74 -7.06 -11.15	70.59 -6.48 -10.89	63.11 -5.49 -11.38	62.93 -5.19 -10.50	67.59 -5.95 -10.95	75.26 -6.58 -11.04	78.99 -6.04 -13.93	82.87 -7.74 -19.59	76.36 -8.31 -13.65	75.04 -8.66 -12.75	74.53 -7.70 -10.99	72.34 -8.17 -9.42	71.79 -8.32 -9.01	71.01 -8.59 -8.64	70.88 -8.65 -8.65	73.49 -7.76 -10.08	75.46 -7.61 -11.91	99.09 -9.00 -11.27	99.09 -9.48 -10.85	78.44 -7.27 -11.49	77.26 -7.66 -11.31	74.37 -8.11 -11.38	73.74 -7.67 -10.39	74.66 -6.67 -10.38
NINE_MILE_1 23575	72.02 -2.61 -3.98	67.56 -2.52 -3.89	59.11 -2.17 -4.07	59.23 -2.13 -3.75	64.19 -2.31 -3.91	72.20 -2.55 -3.94	73.80 -2.28 -4.98	75.71 -2.34 -7.03	72.80 -2.49 -4.27	72.95 -2.55 -4.55	72.74 -2.42 -3.92	71.98 -2.49 -3.37	71.84 -2.49 -3.24	71.50 -2.55 -3.10	71.33 -2.62 -3.07	72.30 -2.42 -3.56	71.79 -2.42 -3.05	96.15 -3.00 -2.33	97.53 -3.03 -2.86	74.81 -2.38 -2.97	74.32 -2.43 -3.14	72.69 -2.49 -4.09	72.19 -2.55 -3.73	72.18 -2.49 -3.71
NINE_MILE_2 23744	72.01 -2.61 -3.97	67.55 -2.52 -3.87	59.09 -2.17 -4.05	59.22 -2.13 -3.74	64.17 -2.31 -3.89	72.19 -2.55 -3.93	73.78 -2.28 -4.96	75.68 -2.34 -7.00	72.78 -2.49 -4.25	72.93 -2.55 -4.53	72.73 -2.42 -3.91	71.96 -2.49 -3.36	71.83 -2.49 -3.22	71.49 -2.55 -3.09	71.32 -2.62 -3.06	72.29 -2.42 -3.54	71.78 -2.42 -3.03	96.14 -3.00 -2.32	97.52 -3.03 -2.85	74.80 -2.38 -2.95	74.31 -2.43 -3.13	72.67 -2.49 -4.07	72.18 -2.55 -3.71	72.16 -2.49 -3.70
NM_CAPITAL__DRP 24208	162.66 3.18 -88.83	155.83 2.98 -86.66	150.48 2.63 -90.63	143.93 2.71 -83.61	152.37 2.63 -87.15	161.64 2.90 -87.93	185.13 2.91 -111.12	230.54 2.84 -156.67	209.21 2.98 -135.21	175.19 3.05 -101.19	161.62 2.99 -87.38	149.25 3.06 -75.09	146.65 3.41 -72.14	143.48 3.33 -69.19	141.98 2.76 -68.33	152.93 2.70 -79.06	141.62 2.56 -67.89	192.81 3.58 -92.41	208.32 3.52 -107.09	185.90 2.67 -109.00	190.08 2.58 -113.90	164.73 2.56 -91.07	157.00 2.91 -83.07	156.54 2.84 -82.75



NM_CENTRAL___DRP 24181	76.57 -0.85 -6.77	71.87 -0.93 -6.60	63.32 -0.80 -6.91	63.24 -0.75 -6.37	68.42 -0.81 -6.64	76.87 -0.64 -6.70	79.35 -0.21 -8.47	82.74 -0.21 -11.94	77.82 -0.43 -7.23	78.51 -0.21 -7.77	77.66 -0.28 -6.70	76.41 -0.43 -5.74	76.17 -0.43 -5.50	75.66 -0.57 -5.27	75.59 -0.57 -5.27	77.03 -0.28 -6.14	76.05 -0.28 -5.17	101.99 -0.10 -5.27	102.66 -0.10 -5.05	79.58 -0.07 -5.43	78.72 -0.22 -5.33	77.54 -0.50 -6.94	76.64 -0.71 -6.33	76.55 -0.71 -6.30
NM_FRONTIER___DRP 24179	74.02 -7.77 -11.15	69.91 -7.15 -10.87	62.46 -6.12 -11.37	62.23 -5.88 -10.49	66.89 -6.63 -10.93	74.54 -7.29 -11.03	78.28 -6.75 -13.94	82.37 -8.31 -19.66	75.85 -8.88 -13.71	75.88 -7.88 -12.80	73.87 -8.41 -11.03	71.74 -8.82 -9.46	71.19 -8.96 -9.05	70.41 -9.22 -8.68	70.29 -9.29 -8.69	72.82 -8.47 -10.12	71.43 -8.26 -8.52	97.98 -10.17 -11.33	98.16 -10.45 -10.91	77.98 -7.79 -11.55	76.58 -8.39 -11.37	73.92 -8.60 -11.43	73.06 -8.38 -10.42	73.95 -7.38 -10.38
NM_ST_REGIS___HYD 24053	67.89 -2.76 0.00	63.81 -2.38 0.00	55.16 -2.06 0.00	55.42 -2.19 0.00	60.28 -2.32 0.00	68.04 -2.76 0.00	68.11 -2.99 0.00	68.25 -2.77 0.00	68.11 -2.91 0.00	67.55 -3.41 0.00	67.82 -3.42 0.00	67.68 -3.41 0.00	67.90 -3.20 0.00	67.97 -2.98 0.00	67.90 -2.98 0.00	67.82 -3.34 0.00	67.68 -3.49 0.00	72.70 -5.81 18.31	72.89 -5.86 18.95	69.70 -4.53 0.00	69.93 -3.68 0.00	67.83 -3.27 0.00	67.90 -3.12 0.00	68.18 -2.77 0.00
NORTHPORT___1 23551	147.22 8.83 -67.74	140.27 8.01 -66.08	133.13 6.81 -69.11	127.54 6.17 -63.76	135.93 6.89 -66.45	146.28 8.42 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.74 8.45 -86.27	158.76 8.37 -79.44	148.54 9.05 -68.24	146.23 9.38 -65.75	145.53 9.18 -65.26	146.22 9.22 -66.05	148.99 9.21 -68.90	151.44 9.39 -70.88	178.96 9.32 -98.48	219.39 13.45 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.80 9.79 -81.40	158.74 9.53 -78.11	146.52 9.73 -65.76	149.01 9.57 -68.48
NORTHPORT___2 23552	147.22 8.83 -67.74	140.27 8.01 -66.08	133.13 6.81 -69.11	127.54 6.17 -63.76	135.93 6.89 -66.45	146.28 8.42 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.74 8.45 -86.27	158.76 8.37 -79.44	148.54 9.05 -68.24	146.23 9.38 -65.75	145.53 9.18 -65.26	146.22 9.22 -66.05	148.99 9.21 -68.90	151.44 9.39 -70.88	178.96 9.32 -98.48	219.39 13.45 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.80 9.79 -81.40	158.74 9.53 -78.11	146.52 9.73 -65.76	149.01 9.57 -68.48
NORTHPORT___3 23553	145.66 7.28 -67.74	139.09 6.82 -66.08	132.10 5.78 -69.11	126.61 5.24 -63.76	134.87 5.82 -66.45	144.87 7.01 -67.05	161.51 5.69 -84.73	197.02 6.53 -119.47	163.96 6.67 -86.27	157.06 6.67 -79.44	147.11 7.63 -68.24	145.02 8.17 -65.75	144.39 8.03 -65.26	145.02 8.02 -66.05	147.58 7.80 -68.90	149.80 7.76 -70.88	177.04 7.40 -98.48	216.58 10.65 -109.11	202.32 10.75 -93.87	197.91 7.86 -115.83	162.58 7.73 -81.24	156.45 7.46 -77.88	145.02 8.23 -65.76	147.58 8.16 -68.47
NORTHPORT___4 23650	145.66 7.28 -67.74	139.09 6.82 -66.08	132.10 5.78 -69.11	126.61 5.24 -63.76	134.87 5.82 -66.45	144.87 7.01 -67.05	161.51 5.69 -84.73	197.02 6.53 -119.47	163.96 6.67 -86.27	157.06 6.67 -79.44	147.11 7.63 -68.24	145.02 8.17 -65.75	144.39 8.03 -65.26	145.02 8.02 -66.05	147.58 7.80 -68.90	149.80 7.76 -70.88	177.04 7.40 -98.48	216.58 10.65 -109.11	202.32 10.75 -93.87	197.91 7.86 -115.83	162.58 7.73 -81.24	156.45 7.46 -77.88	145.02 8.23 -65.76	147.58 8.16 -68.47
NORTHPORT___IC 23718	147.36 8.97 -67.74	140.34 8.08 -66.08	133.19 6.87 -69.11	127.65 6.28 -63.76	135.99 6.95 -66.45	146.28 8.43 -67.05	163.36 7.54 -84.73	199.01 8.52 -119.47	165.74 8.45 -86.27	159.12 8.73 -79.44	148.82 9.33 -68.24	146.23 9.38 -65.75	145.38 9.03 -65.26	146.09 9.08 -66.05	149.00 9.21 -68.90	151.37 9.32 -70.88	142.67 9.39 -62.11	219.49 13.55 -109.11	205.16 13.58 -93.87	200.07 10.02 -115.83	164.80 9.79 -81.40	158.74 9.53 -78.11	146.52 9.73 -65.76	148.94 9.51 -68.48
NORTH___COUNTRY_ESR 323785	67.82 -2.83 0.00	63.74 -2.45 0.00	55.10 -2.12 0.00	55.37 -2.25 0.00	60.22 -2.38 0.00	67.90 -2.91 0.00	67.61 -3.48 0.00	67.75 -3.27 0.00	67.68 -3.34 0.00	67.62 -3.33 0.00	67.39 -3.85 0.00	67.40 -3.70 0.00	67.47 -3.62 0.00	67.48 -3.48 0.00	67.48 -3.40 0.00	67.39 -3.77 0.00	67.32 -3.84 0.00	69.27 -5.71 21.84	69.24 -5.86 22.61	69.92 -4.31 0.00	69.56 -4.05 0.00	67.61 -3.48 0.00	67.68 -3.34 0.00	68.11 -2.84 0.00
NPX_GEN_1385_PROXY 323591	147.22 8.83 -67.74	140.27 8.01 -66.08	133.13 6.81 -69.11	127.54 6.17 -63.76	135.93 6.89 -66.45	146.28 8.42 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.74 8.45 -86.27	158.76 8.37 -79.44	148.54 9.05 -68.24	146.23 9.38 -65.75	145.53 9.18 -65.26	146.22 9.22 -66.05	148.99 9.21 -68.90	151.44 9.39 -70.88	178.96 9.32 -98.48	219.39 13.45 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.80 9.79 -81.40	158.74 9.53 -78.11	146.52 9.73 -65.76	149.01 9.57 -68.48
NPX_GEN_CSC 323557	147.78 9.40 -67.74	140.67 8.41 -66.08	133.47 7.15 -69.11	127.82 6.45 -63.76	136.24 7.20 -66.45	146.71 8.85 -67.05	163.36 7.53 -84.73	199.01 8.52 -119.47	165.60 8.31 -86.27	158.55 8.16 -79.44	147.54 8.05 -68.24	145.23 8.39 -65.75	144.53 8.17 -65.26	145.80 8.80 -66.05	148.64 8.86 -68.90	151.15 9.11 -70.88	178.96 9.32 -98.48	219.30 13.37 -109.11	205.06 13.49 -93.87	200.00 9.95 -115.83	164.85 9.79 -81.45	158.95 9.67 -78.19	146.52 9.73 -65.76	149.79 10.36 -68.48
NSINS_S___GLNS_FALLS 23858	166.61 4.52 -91.44	159.69 4.30 -89.20	154.11 3.60 -93.28	147.31 3.63 -86.07	156.37 4.07 -89.70	166.13 4.81 -90.51	190.73 5.26 -114.37	237.69 5.40 -161.27	237.44 5.40 -161.02	180.40 5.25 -104.20	167.91 6.70 -89.97	154.88 6.47 -77.31	151.47 6.11 -74.26	148.13 5.96 -71.22	147.51 6.24 -70.39	159.32 6.69 -81.46	148.16 7.12 -69.88	226.72 9.88 -120.02	241.67 9.77 -134.19	217.97 7.42 -136.32	222.07 7.43 -141.02	171.66 6.83 -93.74	162.99 6.46 -85.51	162.23 6.10 -85.17
NUCOR_STEEL___DRP 24197	80.63 0.42 -9.55	75.77 0.26 -9.32	67.19 0.23 -9.75	66.89 0.29 -8.99	72.28 0.31 -9.37	80.97 0.71 -9.46	84.26 1.21 -11.95	89.01 1.14 -16.85	84.18 0.92 -12.23	83.06 1.14 -10.97	81.70 1.00 -9.46	79.99 0.78 -8.11	79.57 0.71 -7.76	78.89 0.50 -7.44	78.83 0.50 -7.45	80.77 0.93 -8.68	79.46 1.00 -7.30	108.54 2.03 -9.69	109.10 2.05 -9.35	85.67 1.56 -9.89	84.67 1.32 -9.74	81.82 0.92 -9.80	80.59 0.64 -8.93	80.56 0.71 -8.90
NUMBER_THREE_WT_PWR 323818	73.41 0.21 -2.54	68.67 0.00 -2.48	59.81 0.00 -2.59	60.01 0.00 -2.39	65.28 0.19 -2.50	73.75 0.43 -2.52	75.20 0.92 -3.18	76.71 1.21 -4.49	74.66 0.92 -2.72	74.63 0.78 -2.90	74.53 0.79 -2.50	73.81 0.57 -2.15	73.73 0.57 -2.07	73.43 0.50 -1.98	73.34 0.50 -1.96	74.22 0.78 -2.27	74.03 0.92 -1.94	95.11 1.26 2.97	96.68 1.76 2.79	77.38 1.26 -1.89	76.78 1.17 -2.00	74.42 0.71 -2.61	73.90 0.50 -2.38	73.61 0.28 -2.37
NYISO_LBMP_REFERENCE 24008	70.65 0.00 0.00	66.19 0.00 0.00	57.22 0.00 0.00	57.61 0.00 0.00	62.59 0.00 0.00	70.81 0.00 0.00	71.10 0.00 0.00	71.02 0.00 0.00	71.02 0.00 0.00	70.95 0.00 0.00	71.24 0.00 0.00	71.10 0.00 0.00	71.10 0.00 0.00	70.95 0.00 0.00	70.88 0.00 0.00	71.17 0.00 0.00	71.17 0.00 0.00	96.82 0.00 0.00	97.71 0.00 0.00	74.22 0.00 0.00	73.61 0.00 0.00	71.10 0.00 0.00	71.02 0.00 0.00	70.95 0.00 0.00



NYPA_BRENTWD____GT 24164	147.92 9.53 -67.74	140.94 8.67 -66.08	133.65 7.33 -69.11	128.05 6.68 -63.76	136.49 7.45 -66.45	146.92 9.07 -67.05	164.14 8.31 -84.73	199.79 9.30 -119.47	166.46 9.17 -86.27	159.55 9.16 -79.44	149.25 9.76 -68.25	146.94 10.09 -65.75	146.17 9.81 -65.26	146.86 9.86 -66.05	149.71 9.92 -68.90	152.14 10.10 -70.88	179.82 10.18 -98.48	220.64 14.71 -109.11	206.42 14.85 -93.87	200.89 10.84 -115.83	165.79 10.60 -81.58	159.77 10.31 -78.36	147.29 10.51 -65.76	149.86 10.43 -68.48
NYPA_GOWANUS____GT5 24156	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NYPA_GOWANUS____GT6 24157	373.47 7.28 -295.54	275.64 6.55 -202.89	132.13 5.67 -69.24	126.90 5.53 -63.76	135.25 6.07 -66.59	250.60 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.60 8.02 -381.64	168.69 8.33 -89.12	170.04 8.24 -90.70	170.98 8.17 -91.71	173.24 8.16 -94.13	171.56 8.08 -92.60	164.68 8.25 -85.26	169.56 8.25 -90.14	317.44 11.42 -209.20	334.24 11.62 -224.91	296.24 8.83 -213.18	250.95 8.68 -168.66	189.09 8.31 -109.68	340.70 8.09 -261.58	207.42 7.80 -128.66
NYPA_HARLEM__RVR__GT1 24160	145.02 6.64 -67.74	138.15 5.89 -66.08	131.36 5.04 -69.10	126.26 4.89 -63.76	134.43 5.38 -66.45	144.07 6.23 -67.03	161.99 6.18 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.82 7.45 -79.42	146.97 7.63 -68.10	136.59 7.46 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.83 7.37 -54.58	143.29 7.47 -64.65	166.46 7.18 -88.11	215.97 10.07 -109.08	179.73 10.16 -71.87	163.72 7.72 -81.78	149.81 7.65 -68.55	148.00 7.46 -69.44	141.75 7.39 -63.34	141.14 7.09 -63.10
NYPA_HARLEM__RVR__GT2 24161	145.02 6.64 -67.74	138.15 5.89 -66.08	131.36 5.04 -69.10	126.26 4.89 -63.76	134.43 5.38 -66.45	144.07 6.23 -67.03	161.99 6.18 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.82 7.45 -79.42	146.97 7.63 -68.10	136.59 7.46 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.83 7.37 -54.58	143.29 7.47 -64.65	166.46 7.18 -88.11	215.97 10.07 -109.08	179.73 10.16 -71.87	163.72 7.72 -81.78	149.81 7.65 -68.55	148.00 7.46 -69.44	141.75 7.39 -63.34	141.14 7.09 -63.10
NYPA_KENT____GT 24152	280.03 7.13 -202.25	219.47 6.42 -146.86	131.95 5.55 -69.19	126.73 5.36 -63.76	135.01 5.88 -66.53	205.17 6.87 -127.50	280.61 6.89 -202.62	305.33 7.52 -226.79	277.90 7.74 -199.14	336.70 7.87 -257.88	159.98 8.12 -80.61	159.08 8.10 -79.88	159.87 8.03 -80.74	161.29 8.02 -82.33	160.22 7.94 -81.40	157.17 8.11 -77.90	168.62 8.04 -89.41	274.35 11.13 -166.41	269.91 11.33 -160.88	241.21 8.61 -158.38	207.93 8.46 -125.87	174.51 8.10 -95.31	267.25 7.95 -188.28	180.50 7.73 -101.81
NYPA_POUCH1____GT 24155	373.19 7.00 -295.54	275.50 6.42 -202.89	132.07 5.61 -69.24	126.90 5.53 -63.76	135.19 6.01 -66.59	250.53 7.08 -172.65	377.06 7.18 -298.79	379.92 7.67 -301.23	356.19 7.74 -277.43	460.32 7.73 -381.64	168.34 7.98 -89.12	169.76 7.96 -90.70	170.63 7.82 -91.71	172.89 7.80 -94.13	171.28 7.80 -92.60	164.40 7.97 -85.26	169.28 7.97 -90.14	317.05 11.03 -209.20	333.85 11.23 -224.91	295.94 8.53 -213.18	250.66 8.39 -168.66	188.81 8.03 -109.68	340.42 7.81 -261.58	207.13 7.52 -128.66
NYPA_VERNON____GT2 24162	186.67 7.06 -108.95	163.24 6.22 -90.83	131.72 5.38 -69.13	126.56 5.19 -63.76	134.83 5.75 -66.48	159.82 6.65 -82.36	194.59 6.68 -116.81	230.68 7.32 -152.35	199.55 7.67 -120.85	212.87 7.80 -134.12	151.33 7.98 -72.11	148.12 7.96 -69.07	148.76 7.89 -69.77	149.35 7.87 -70.52	148.87 7.80 -70.19	149.67 7.97 -70.53	167.68 7.83 -88.69	231.27 10.84 -123.61	205.49 10.94 -96.85	186.11 8.31 -103.57	164.85 8.17 -83.07	159.93 7.89 -80.94	193.80 7.81 -114.97	153.51 7.60 -74.96
NYPA_VERNON____GT3 24163	186.67 7.06 -108.95	163.24 6.22 -90.83	131.72 5.38 -69.13	126.56 5.19 -63.76	134.83 5.75 -66.48	159.82 6.65 -82.36	194.59 6.68 -116.81	230.68 7.32 -152.35	199.55 7.67 -120.85	212.87 7.80 -134.12	151.33 7.98 -72.11	148.12 7.96 -69.07	148.76 7.89 -69.77	149.35 7.87 -70.52	148.87 7.80 -70.19	149.67 7.97 -70.53	167.68 7.83 -88.69	231.27 10.84 -123.61	205.49 10.94 -96.85	186.11 8.31 -103.57	164.85 8.17 -83.07	159.93 7.89 -80.94	193.80 7.81 -114.97	153.51 7.60 -74.96
NYPA__ASTORIA_CC1 323568	153.62 7.00 -75.97	143.43 6.22 -71.02	131.65 5.32 -69.11	126.50 5.13 -63.76	134.75 5.70 -66.46	144.43 6.59 -67.04	165.00 6.61 -87.29	204.30 7.25 -126.03	171.80 7.60 -93.18	169.05 7.73 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.36 7.75 -64.51	143.36 7.80 -64.60	143.36 7.73 -64.75	146.63 7.90 -67.56	167.25 7.69 -88.39	216.56 10.65 -109.09	183.22 10.84 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.93 7.52 -65.47
NYPA__ASTORIA_CC2 323569	153.62 7.00 -75.97	143.43 6.22 -71.02	131.65 5.32 -69.11	126.50 5.13 -63.76	134.75 5.70 -66.46	144.43 6.59 -67.04	165.00 6.61 -87.29	204.30 7.25 -126.03	171.80 7.60 -93.18	169.05 7.73 -90.37	148.22 7.91 -69.07	143.36 7.89 -64.37	143.36 7.75 -64.51	143.36 7.80 -64.60	143.36 7.73 -64.75	146.63 7.90 -67.56	167.25 7.69 -88.39	216.56 10.65 -109.09	183.22 10.84 -74.67	167.00 8.24 -84.54	150.25 8.10 -68.55	154.06 7.82 -75.14	165.15 7.74 -86.38	143.93 7.52 -65.47
NYPA__HOLTSVILL 23794	147.43 9.05 -67.74	140.41 8.14 -66.08	133.24 6.92 -69.11	127.65 6.28 -63.76	136.06 7.01 -66.45	146.42 8.56 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.60 8.31 -86.27	158.62 8.23 -79.44	148.32 8.83 -68.24	146.09 9.24 -65.75	145.39 9.03 -65.26	146.16 9.16 -66.05	148.86 9.08 -68.90	151.29 9.25 -70.88	178.96 9.32 -98.48	219.49 13.55 -109.11	205.15 13.58 -93.87	200.00 9.95 -115.83	164.77 9.72 -81.45	158.86 9.59 -78.17	146.65 9.87 -65.76	149.36 9.93 -68.48
NYPA__HELLGATE_GT1 24158	145.02 6.64 -67.74	138.15 5.89 -66.08	131.36 5.04 -69.10	126.26 4.89 -63.76	134.43 5.38 -66.45	144.07 6.23 -67.03	161.99 6.18 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.82 7.45 -79.42	146.97 7.63 -68.10	136.59 7.46 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.83 7.37 -54.58	143.29 7.47 -64.65	166.46 7.18 -88.11	215.97 10.07 -109.08	179.73 10.16 -71.87	163.65 7.65 -81.78	149.81 7.65 -68.55	148.00 7.46 -69.44	141.75 7.39 -63.34	141.14 7.09 -63.10
NYPA__HELLGATE_GT2 24159	145.02 6.64 -67.74	138.15 5.89 -66.08	131.36 5.04 -69.10	126.26 4.89 -63.76	134.43 5.38 -66.45	144.07 6.23 -67.03	161.99 6.18 -84.71	197.35 6.89 -119.44	164.52 7.25 -86.25	157.82 7.45 -79.42	146.97 7.63 -68.10	136.59 7.46 -58.03	133.50 7.39 -55.01	131.09 7.38 -52.76	132.83 7.37 -54.58	143.29 7.47 -64.65	166.46 7.18 -88.11	215.97 10.07 -109.08	179.73 10.16 -71.87	163.65 7.65 -81.78	149.81 7.65 -68.55	148.00 7.46 -69.44	141.75 7.39 -63.34	141.14 7.09 -63.10
NYS_BARGE__HYD 23848	74.47 -7.06 -10.89	70.25 -6.55 -10.62	62.77 -5.55 -11.11	62.62 -5.24 -10.25	67.32 -5.95 -10.68	75.00 -6.58 -10.78	78.81 -5.90 -13.62	82.76 -7.46 -19.20	76.45 -8.10 -13.52	75.01 -8.44 -12.50	74.46 -7.55 -10.78	72.30 -8.03 -9.24	71.76 -8.17 -8.84	70.91 -8.52 -8.48	70.79 -8.58 -8.49	73.37 -7.69 -9.89	75.38 -7.47 -11.68	99.26 -8.62 -11.06	99.27 -9.08 -10.65	78.44 -7.05 -11.27	77.34 -7.36 -11.09	74.36 -7.89 -11.16	73.67 -7.53 -10.18	74.49 -6.60 -10.14



OAK ORCHARD___HYD 24046	76.58 -3.11 -9.04	72.09 -2.91 -8.81	63.98 -2.46 -9.22	63.87 -2.25 -8.51	68.95 -2.51 -8.86	76.99 -2.76 -8.94	80.48 -1.92 -11.30	84.11 -2.84 -15.94	79.32 -3.27 -11.57	77.85 -3.48 -10.38	77.41 -2.78 -8.94	75.57 -3.20 -7.67	75.09 -3.34 -7.34	74.37 -3.62 -7.04	74.31 -3.61 -7.04	76.39 -2.99 -8.21	77.89 -2.92 -9.64	103.22 -2.71 -9.11	103.36 -3.13 -8.79	81.08 -2.45 -9.30	80.19 -2.58 -9.16	77.23 -3.13 -9.26	76.35 -3.12 -8.45	76.60 -2.77 -8.42
OAKDALE___35_KV_LOAD 356122	93.91 0.07 -23.19	88.74 -0.07 -22.62	80.81 -0.06 -23.66	79.50 0.06 -21.82	85.34 0.00 -22.75	94.04 0.28 -22.95	100.74 0.64 -29.00	112.41 0.50 -40.89	101.52 0.28 -30.21	98.09 0.50 -26.64	94.62 0.43 -22.95	91.06 0.28 -19.68	90.07 0.14 -18.83	89.01 0.00 -18.06	88.96 0.00 -18.08	92.66 0.43 -21.07	89.38 0.50 -17.72	122.26 1.07 -24.37	122.18 1.07 -23.40	99.85 0.89 -24.74	98.52 0.59 -24.33	95.15 0.28 -23.77	92.85 0.14 -21.68	92.83 0.28 -21.60
OCC_CHEM___DRP 24175	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.60 -6.01 -11.39	62.36 -5.76 -10.51	67.03 -6.51 -10.95	74.70 -7.15 -11.05	78.45 -6.61 -13.96	82.54 -8.17 -19.69	76.02 -8.74 -13.73	76.04 -7.73 -12.82	74.03 -8.26 -11.05	71.89 -8.67 -9.47	71.35 -8.82 -9.06	70.56 -9.08 -8.69	70.44 -9.14 -8.70	72.98 -8.33 -10.14	71.58 -8.11 -8.53	98.19 -9.97 -11.35	98.37 -10.26 -10.93	78.14 -7.65 -11.56	76.75 -8.24 -11.38	74.08 -8.46 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
OH_GEN_PROXY 24063	74.79 -6.92 -11.06	70.62 -6.35 -10.79	63.06 -5.44 -11.28	62.95 -5.07 -10.41	67.62 -5.82 -10.85	75.31 -6.44 -10.94	79.03 -5.90 -13.83	82.99 -7.53 -19.50	76.46 -8.10 -13.54	75.21 -8.44 -12.70	74.71 -7.48 -10.94	72.52 -7.96 -9.38	72.04 -8.03 -8.98	71.19 -8.37 -8.61	71.07 -8.44 -8.62	73.66 -7.55 -10.04	75.64 -7.40 -11.87	99.34 -8.71 -11.24	99.34 -9.19 -10.82	78.62 -7.05 -11.45	77.45 -7.43 -11.27	74.54 -7.89 -11.34	73.90 -7.46 -10.34	74.72 -6.53 -10.30
OLIN_CORP_DRP 24177	74.01 -7.91 -11.27	69.84 -7.35 -11.00	62.48 -6.24 -11.50	62.23 -5.99 -10.61	66.89 -6.76 -11.06	74.53 -7.43 -11.16	78.37 -6.83 -14.10	82.59 -8.31 -19.88	76.00 -8.95 -13.93	75.95 -7.95 -12.95	73.92 -8.48 -11.16	71.71 -8.96 -9.57	71.22 -9.03 -9.16	70.44 -9.29 -8.78	70.24 -9.43 -8.79	72.87 -8.54 -10.24	71.46 -8.33 -8.62	98.12 -10.17 -11.46	98.29 -10.45 -11.04	78.11 -7.79 -11.68	76.64 -8.46 -11.50	73.98 -8.67 -11.56	73.11 -8.45 -10.54	74.00 -7.45 -10.50
OLIN_CORP_DSASP 323712	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.65 -5.95 -11.39	62.53 -5.59 -10.51	67.10 -6.45 -10.95	74.71 -7.15 -11.05	78.45 -6.61 -13.96	82.33 -8.38 -19.69	75.80 -8.95 -13.73	74.48 -9.29 -12.82	73.96 -8.34 -11.05	71.75 -8.82 -9.47	71.27 -8.89 -9.06	70.42 -9.22 -8.69	70.30 -9.28 -8.70	72.91 -8.40 -10.14	74.90 -8.25 -11.99	98.29 -9.88 -11.35	98.27 -10.36 -10.93	77.85 -7.94 -11.56	76.75 -8.24 -11.38	73.79 -8.75 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
ONEIDA_HERK_LFGE 323681	74.51 1.63 -2.23	69.76 1.39 -2.18	60.70 1.20 -2.28	60.93 1.21 -2.10	66.23 1.44 -2.19	74.85 1.84 -2.21	76.17 2.27 -2.79	77.38 2.42 -3.94	75.61 2.20 -2.39	75.63 2.13 -2.55	75.65 2.21 -2.20	75.05 2.06 -1.89	74.90 1.99 -1.81	74.61 1.92 -1.74	74.44 1.84 -1.72	75.29 2.13 -1.99	75.08 2.21 -1.71	100.05 3.19 -0.04	101.51 3.51 -0.29	78.48 2.60 -1.66	77.87 2.50 -1.76	75.37 1.99 -2.29	74.95 1.84 -2.09	74.73 1.70 -2.08
ONEIDA___115KV_TB4 55905	77.45 2.47 -4.33	72.53 2.12 -4.22	63.46 1.83 -4.41	63.59 1.90 -4.07	68.97 2.13 -4.24	77.85 2.76 -4.28	79.78 3.27 -5.41	81.99 3.34 -7.63	78.77 3.12 -4.62	79.08 3.19 -4.94	78.64 3.13 -4.26	77.74 2.99 -3.66	77.53 2.91 -3.51	77.02 2.70 -3.37	76.91 2.69 -3.34	78.09 3.06 -3.86	77.60 3.13 -3.31	103.81 4.45 -2.53	105.50 4.69 -3.10	80.93 3.49 -3.22	80.33 3.31 -3.41	78.31 2.77 -4.44	77.62 2.56 -4.05	77.47 2.48 -4.03
ONONDAGA_REF_OCCRA 23987	78.69 -0.35 -8.39	73.91 -0.46 -8.18	65.37 -0.40 -8.56	65.16 -0.35 -7.90	70.45 -0.38 -8.23	78.97 -0.14 -8.30	81.87 0.28 -10.49	86.10 0.28 -14.80	80.12 0.14 -8.96	80.94 0.35 -9.63	79.76 0.21 -8.30	78.29 0.07 -7.12	77.91 0.00 -6.81	77.41 -0.07 -6.53	77.35 -0.07 -6.54	79.00 0.21 -7.62	77.79 0.21 -6.41	104.15 0.77 -6.55	104.75 0.78 -6.26	81.55 0.59 -6.73	80.58 0.37 -6.61	79.77 0.07 -8.60	78.72 -0.14 -7.84	78.62 -0.14 -7.81
ONONDAGA___COGEN 23986	78.52 -0.14 -8.01	73.67 -0.33 -7.81	65.16 -0.23 -8.17	64.98 -0.17 -7.54	70.26 -0.19 -7.86	78.80 0.07 -7.93	81.61 0.50 -10.02	85.57 0.43 -14.13	79.86 0.28 -8.55	80.65 0.50 -9.20	79.53 0.36 -7.93	78.18 0.28 -6.80	77.81 0.21 -6.50	77.26 0.07 -6.24	77.20 0.07 -6.24	78.79 0.36 -7.27	77.64 0.36 -6.12	103.94 0.87 -6.25	104.56 0.88 -5.98	81.40 0.74 -6.43	80.43 0.52 -6.31	79.52 0.21 -8.21	78.51 0.00 -7.49	78.41 0.00 -7.46
ONTARIO___LFGE 23819	80.40 -1.13 -10.88	75.55 -1.26 -10.62	67.29 -1.03 -11.10	66.99 -0.86 -10.24	72.27 -1.00 -10.68	80.80 -0.78 -10.77	84.78 0.07 -13.61	89.79 -0.42 -19.19	84.09 -0.85 -13.92	82.31 -1.14 -12.50	81.44 -0.57 -10.77	79.34 -1.00 -9.24	78.79 -1.14 -8.84	78.08 -1.35 -8.48	78.02 -1.35 -8.48	80.34 -0.71 -9.88	82.14 -0.71 -11.69	108.17 0.29 -11.06	108.36 0.00 -10.65	85.50 0.00 -11.27	84.48 -0.22 -11.10	81.40 -0.85 -11.16	80.20 -0.99 -10.18	80.38 -0.71 -10.14
ORANGEVILLE_WT_PWR 323706	78.47 -5.65 -13.47	73.91 -5.43 -13.14	66.33 -4.63 -13.74	65.91 -4.38 -12.68	70.80 -5.01 -13.22	78.76 -5.38 -13.34	83.19 -4.76 -16.85	88.67 -6.11 -23.76	81.31 -6.60 -16.89	79.33 -7.09 -15.48	78.31 -6.27 -13.34	75.70 -6.83 -11.43	75.14 -6.90 -10.94	74.21 -7.24 -10.49	74.09 -7.30 -10.50	77.00 -6.40 -12.24	79.80 -5.91 -14.54	103.92 -6.68 -13.78	104.02 -6.93 -13.25	82.90 -5.35 -14.02	81.66 -5.74 -13.80	78.72 -6.19 -13.81	77.72 -5.89 -12.60	78.46 -5.04 -12.55
ORANGEVILLE___ESR 323794	78.47 -5.65 -13.47	73.91 -5.43 -13.14	66.33 -4.63 -13.74	65.91 -4.38 -12.68	70.80 -5.01 -13.22	78.76 -5.38 -13.34	83.19 -4.76 -16.85	88.67 -6.11 -23.76	81.31 -6.60 -16.89	79.33 -7.09 -15.48	78.31 -6.27 -13.34	75.70 -6.83 -11.43	75.14 -6.90 -10.94	74.21 -7.24 -10.49	74.09 -7.30 -10.50	77.00 -6.40 -12.24	79.80 -5.91 -14.54	103.92 -6.68 -13.78	104.02 -6.93 -13.25	82.90 -5.35 -14.02	81.66 -5.74 -13.80	78.72 -6.19 -13.81	77.72 -5.89 -12.60	78.46 -5.04 -12.55
OSWEGATCHIE___HYD 24044	70.61 -1.90 -1.86	66.15 -1.85 -1.82	57.52 -1.60 -1.90	57.69 -1.67 -1.75	62.73 -1.69 -1.83	70.81 -1.84 -1.84	71.79 -1.63 -2.33	72.95 -1.35 -3.29	71.45 -1.56 -1.99	71.45 -1.63 -2.13	71.22 -1.85 -1.83	70.76 -1.92 -1.58	70.76 -1.85 -1.51	70.63 -1.77 -1.45	70.55 -1.77 -1.44	71.05 -1.78 -1.66	70.81 -1.78 -1.42	83.12 -3.10 10.60	84.10 -2.84 10.77	73.68 -1.93 -1.39	73.31 -1.77 -1.47	71.23 -1.77 -1.91	70.85 -1.91 -1.74	70.70 -1.99 -1.74
OSWEGO___5 23606	72.42 -2.26 -4.03	67.94 -2.18 -3.93	59.44 -1.89 -4.11	59.56 -1.85 -3.80	64.54 -2.01 -3.96	72.68 -2.12 -3.99	74.22 -1.92 -5.04	76.15 -1.99 -7.11	73.21 -2.13 -4.32	73.35 -2.20 -4.60	73.22 -1.99 -3.97	72.38 -2.13 -3.41	72.24 -2.13 -3.27	71.89 -2.20 -3.14	71.79 -2.20 -3.11	72.70 -2.07 -3.60	72.18 -2.07 -3.08	96.66 -2.52 -2.36	98.06 -2.54 -2.89	75.23 -2.00 -3.00	74.80 -1.98 -3.18	73.10 -2.13 -4.13	72.59 -2.20 -3.77	72.65 -2.06 -3.76



OSWEGO___6 23613	72.42 -2.26 -4.03	67.94 -2.18 -3.93	59.44 -1.89 -4.11	59.56 -1.85 -3.80	64.54 -2.01 -3.96	72.68 -2.12 -3.99	74.22 -1.92 -5.04	76.15 -1.99 -7.11	73.21 -2.13 -4.32	73.35 -2.20 -4.60	73.22 -1.99 -3.97	72.38 -2.13 -3.41	72.24 -2.13 -3.27	71.89 -2.20 -3.14	71.79 -2.20 -3.11	72.70 -2.07 -3.60	72.18 -2.07 -3.08	96.66 -2.52 -2.36	98.06 -2.54 -2.89	75.23 -2.00 -3.00	74.80 -1.98 -3.18	73.10 -2.13 -4.13	72.59 -2.20 -3.77	72.65 -2.06 -3.76
OUTOKUMPU-AB___DRP 24206	75.72 -6.29 -11.36	71.38 -5.89 -11.08	63.77 -5.04 -11.59	63.53 -4.78 -10.69	68.29 -5.45 -11.15	76.18 -5.88 -11.25	80.12 -5.19 -14.21	84.46 -6.60 -20.04	77.91 -7.17 -14.06	77.76 -6.24 -13.05	75.79 -6.70 -11.25	73.56 -7.18 -9.64	73.00 -7.32 -9.23	72.21 -7.59 -8.85	72.01 -7.73 -8.86	74.65 -6.83 -10.32	73.23 -6.62 -8.68	100.63 -7.75 -11.56	100.73 -8.11 -11.13	80.06 -5.94 -11.78	78.50 -6.70 -11.59	75.78 -6.97 -11.65	74.83 -6.82 -10.62	75.72 -5.82 -10.58
OXBOW___BTM 323836	75.06 -6.85 -11.26	70.89 -6.29 -10.99	63.33 -5.38 -11.49	63.20 -5.01 -10.60	67.82 -5.82 -11.05	75.58 -6.37 -11.15	79.43 -5.76 -14.09	83.43 -7.46 -19.86	76.89 -8.03 -13.90	75.52 -8.37 -12.94	74.98 -7.41 -11.15	72.76 -7.89 -9.56	72.21 -8.03 -9.15	71.35 -8.37 -8.77	71.23 -8.44 -8.78	73.85 -7.55 -10.23	75.94 -7.33 -12.10	99.66 -8.62 -11.45	99.65 -9.08 -11.03	78.99 -6.90 -11.67	77.74 -7.36 -11.49	74.82 -7.82 -11.55	74.17 -7.39 -10.53	75.06 -6.39 -10.49
OXBOW____ 24026	75.06 -6.85 -11.26	70.82 -6.35 -10.99	63.27 -5.44 -11.49	63.03 -5.19 -10.60	67.76 -5.88 -11.05	75.58 -6.37 -11.15	79.43 -5.76 -14.09	83.64 -7.24 -19.86	77.11 -7.81 -13.90	77.01 -6.88 -12.94	75.05 -7.34 -11.15	72.83 -7.82 -9.56	72.35 -7.89 -9.15	71.49 -8.23 -8.77	71.37 -8.29 -8.78	73.92 -7.47 -10.23	72.59 -7.19 -8.61	99.56 -8.71 -11.45	99.75 -8.99 -11.03	79.29 -6.61 -11.67	77.74 -7.36 -11.49	75.04 -7.61 -11.55	74.17 -7.39 -10.53	75.06 -6.39 -10.49
OXY_CHEM_DSASP 323612	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.60 -6.01 -11.39	62.36 -5.76 -10.51	67.03 -6.51 -10.95	74.70 -7.15 -11.05	78.45 -6.61 -13.96	82.54 -8.17 -19.69	76.02 -8.74 -13.73	76.04 -7.73 -12.82	74.03 -8.26 -11.05	71.89 -8.67 -9.47	71.35 -8.82 -9.06	70.56 -9.08 -8.69	70.44 -9.14 -8.70	72.98 -8.33 -10.14	71.58 -8.11 -8.53	98.19 -9.97 -11.35	98.37 -10.26 -10.93	78.14 -7.65 -11.56	76.75 -8.24 -11.38	74.08 -8.46 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
OZONE_PARK_ESR 323760	145.72 7.35 -67.72	138.74 6.49 -66.06	131.86 5.55 -69.09	126.77 5.42 -63.74	134.98 5.95 -66.44	144.64 6.80 -67.04	162.70 6.90 -84.71	198.13 7.67 -119.44	165.30 8.03 -86.25	158.68 8.30 -79.43	147.67 8.34 -68.09	137.36 8.25 -58.02	134.13 8.03 -55.00	131.72 8.02 -52.75	133.53 8.08 -54.56	144.06 8.26 -64.64	131.18 8.26 -51.75	217.23 11.33 -109.08	181.01 11.43 -71.87	164.76 8.76 -81.78	150.76 8.61 -68.54	148.70 8.18 -69.43	142.45 8.10 -63.33	141.84 7.80 -63.08
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.60 -6.01 -11.39	62.36 -5.76 -10.51	67.03 -6.51 -10.95	74.70 -7.15 -11.05	78.45 -6.61 -13.96	82.54 -8.17 -19.69	76.02 -8.74 -13.73	76.04 -7.73 -12.82	74.03 -8.26 -11.05	71.89 -8.67 -9.47	71.35 -8.82 -9.06	70.56 -9.08 -8.69	70.44 -9.14 -8.70	72.98 -8.33 -10.14	71.58 -8.11 -8.53	98.19 -9.97 -11.35	98.37 -10.26 -10.93	78.14 -7.65 -11.56	76.75 -8.24 -11.38	74.08 -8.46 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
PACKARD__115KV_DUPONT_184 80571	74.18 -7.63 -11.16	70.06 -7.02 -10.89	62.60 -6.01 -11.39	62.36 -5.76 -10.51	67.03 -6.51 -10.95	74.70 -7.15 -11.05	78.45 -6.61 -13.96	82.54 -8.17 -19.69	76.02 -8.74 -13.73	76.04 -7.73 -12.82	74.03 -8.26 -11.05	71.89 -8.67 -9.47	71.35 -8.82 -9.06	70.56 -9.08 -8.69	70.44 -9.14 -8.70	72.98 -8.33 -10.14	71.58 -8.11 -8.53	98.19 -9.97 -11.35	98.37 -10.26 -10.93	78.14 -7.65 -11.56	76.75 -8.24 -11.38	74.08 -8.46 -11.44	73.22 -8.24 -10.44	74.11 -7.24 -10.40
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	145.17 6.78 -67.74	138.29 6.02 -66.08	131.47 5.15 -69.11	126.38 5.01 -63.76	134.50 5.45 -66.46	144.08 6.23 -67.04	162.06 6.26 -84.71	197.42 6.96 -119.44	164.59 7.32 -86.25	157.90 7.52 -79.42	146.89 7.55 -68.10	136.66 7.54 -58.03	133.43 7.32 -55.01	131.02 7.31 -52.76	132.90 7.44 -54.58	143.36 7.54 -64.65	130.46 7.54 -51.75	216.17 10.26 -109.09	180.03 10.45 -71.87	163.94 7.94 -81.78	150.18 8.02 -68.55	148.07 7.54 -69.44	141.82 7.46 -63.34	141.21 7.17 -63.10
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	145.87 7.49 -67.74	138.89 6.62 -66.08	131.99 5.66 -69.11	126.96 5.59 -63.76	135.12 6.07 -66.46	144.71 6.87 -67.04	162.77 6.97 -84.71	198.13 7.67 -119.44	165.22 7.95 -86.25	158.53 8.16 -79.42	147.53 8.19 -68.10	137.23 8.11 -58.03	134.00 7.89 -55.01	131.59 7.88 -52.76	133.40 7.94 -54.58	143.86 8.04 -64.65	130.96 8.04 -51.75	216.95 11.04 -109.09	180.81 11.24 -71.87	164.54 8.54 -81.78	150.77 8.61 -68.55	148.64 8.11 -69.44	142.39 8.03 -63.34	141.85 7.80 -63.10
PATROON__115KV_TB1 80586	163.34 3.32 -89.37	156.55 3.18 -87.18	151.08 2.69 -91.18	144.56 2.82 -84.12	152.96 2.69 -87.68	162.24 2.97 -88.46	185.87 2.99 -111.79	231.63 2.98 -157.62	214.06 3.12 -139.91	175.94 3.19 -101.80	162.29 3.13 -87.91	149.85 3.20 -75.55	147.23 3.55 -72.58	144.11 3.55 -69.61	142.47 2.84 -68.75	153.41 2.70 -79.54	142.03 2.56 -68.30	197.65 3.58 -97.25	213.21 3.52 -111.98	190.81 2.67 -113.91	195.08 2.65 -118.82	165.35 2.63 -91.62	157.58 2.98 -83.57	157.11 2.91 -83.25
PATTRSNVILLE__SOLAR 323815	168.22 3.60 -93.97	161.23 3.37 -91.67	155.94 2.86 -95.87	149.00 2.94 -88.45	158.03 3.25 -92.19	167.50 3.68 -93.02	192.62 3.98 -117.54	240.66 3.90 -165.73	241.78 3.83 -166.93	181.48 3.48 -107.05	167.11 3.42 -92.44	153.74 3.20 -79.44	150.46 3.06 -76.31	147.12 2.98 -73.19	146.38 3.19 -72.31	158.53 3.70 -83.66	218.26 4.05 -143.04	226.67 5.61 -124.24	242.86 5.76 -139.39	220.01 4.30 -141.48	224.47 4.34 -146.52	171.56 4.12 -96.34	162.80 3.90 -87.87	162.24 3.76 -87.53
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	76.49 -6.57 -12.41	72.07 -6.22 -12.10	64.55 -5.32 -12.66	64.16 -5.13 -11.68	68.94 -5.82 -12.17	76.86 -6.23 -12.28	81.07 -5.55 -15.52	86.23 -6.68 -21.88	79.21 -7.24 -15.43	78.68 -6.53 -14.25	76.61 -6.91 -12.28	74.30 -7.32 -10.53	73.78 -7.39 -10.08	72.95 -7.66 -9.66	72.76 -7.80 -9.67	75.53 -6.90 -11.27	74.03 -6.62 -9.48	101.54 -7.94 -12.66	101.68 -8.21 -12.18	81.10 -6.01 -12.89	79.52 -6.77 -12.69	76.78 -7.04 -12.72	75.59 -7.03 -11.60	76.48 -6.03 -11.56
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	145.85 6.85 -68.34	139.01 6.16 -66.67	132.15 5.21 -69.72	127.07 5.13 -64.33	135.27 5.63 -67.05	145.04 6.58 -67.65	163.62 7.04 -85.49	199.09 7.53 -120.54	165.91 7.67 -87.22	158.88 7.80 -80.12	147.78 7.84 -68.70	137.24 7.61 -58.54	133.99 7.39 -55.50	131.42 7.24 -53.23	133.21 7.30 -55.03	143.95 7.61 -65.17	131.29 7.90 -52.23	217.32 11.04 -109.46	181.25 10.94 -72.60	165.02 8.31 -82.48	151.14 8.17 -69.36	148.91 7.75 -70.06	142.32 7.39 -63.91	141.64 7.02 -63.66
PEEKSKILL____ 23653	143.40 5.72 -67.03	136.68 5.10 -65.39	129.95 4.35 -68.39	124.97 4.26 -63.10	133.05 4.70 -65.76	142.61 5.45 -66.36	160.56 5.62 -83.85	195.36 6.11 -118.23	162.72 6.32 -85.38	155.94 6.39 -78.60	145.26 6.63 -67.39	135.06 6.54 -57.42	132.00 6.47 -54.44	129.62 6.46 -52.21	131.26 6.38 -53.99	141.66 6.54 -63.95	164.78 6.54 -87.08	213.53 9.10 -107.61	177.88 9.09 -71.09	161.97 6.90 -80.84	148.22 6.77 -67.85	146.29 6.47 -68.72	140.02 6.32 -62.69	139.50 6.10 -62.44



PGE MADISON___WINDPWR 24146	99.05 6.00 -22.39	93.20 5.17 -21.85	84.53 4.47 -22.85	83.24 4.55 -21.08	89.75 5.19 -21.97	99.63 6.65 -22.17	106.93 7.82 -28.01	118.40 7.88 -39.50	108.94 7.32 -30.60	103.77 7.09 -25.73	100.54 7.12 -22.17	97.07 6.97 -19.00	96.18 6.89 -18.19	94.64 6.25 -17.44	94.37 6.02 -17.46	98.56 7.05 -20.35	104.82 7.40 -26.25	132.90 11.03 -25.05	133.82 12.01 -24.09	108.44 8.83 -25.39	106.99 8.39 -24.99	101.10 7.04 -22.96	98.71 6.75 -20.94	98.48 6.67 -20.86
PIERCEFIELD___HYD 23852	67.61 -3.04 0.00	63.48 -2.71 0.00	54.93 -2.29 0.00	55.19 -2.42 0.00	60.03 -2.57 0.00	67.69 -3.12 0.00	67.83 -3.27 0.00	67.97 -3.05 0.00	67.82 -3.20 0.00	67.33 -3.62 0.00	67.61 -3.63 0.00	67.47 -3.63 0.00	67.68 -3.41 0.00	67.76 -3.19 0.00	67.69 -3.19 0.00	67.61 -3.56 0.00	67.47 -3.70 0.00	72.76 -6.39 17.67	73.07 -6.35 18.29	69.33 -4.90 0.00	69.63 -3.97 0.00	67.61 -3.48 0.00	67.61 -3.41 0.00	67.83 -3.12 0.00
PINELAWN_CC_1 323563	147.00 8.62 -67.74	140.07 7.81 -66.08	132.96 6.63 -69.11	127.42 6.05 -63.76	135.75 6.70 -66.45	146.07 8.21 -67.05	163.36 7.53 -84.73	198.94 8.45 -119.47	165.81 8.52 -86.27	158.83 8.44 -79.44	148.54 9.05 -68.25	146.16 9.31 -65.75	145.46 9.10 -65.26	146.16 9.16 -66.05	148.93 9.15 -68.90	151.36 9.32 -70.88	178.96 9.32 -98.48	219.39 13.45 -109.11	205.06 13.49 -93.87	199.92 9.87 -115.83	165.45 9.72 -82.13	159.62 9.38 -79.14	146.37 9.58 -65.77	148.87 9.44 -68.48
PJM_GEN_HTP_PROXY 323702	144.86 6.50 -67.71	138.00 5.76 -66.06	131.22 4.92 -69.08	126.13 4.78 -63.74	134.28 5.26 -66.43	143.92 6.09 -67.03	161.98 6.18 -84.70	197.27 6.82 -119.43	164.43 7.17 -86.24	157.68 7.31 -79.42	146.81 7.48 -68.09	136.57 7.46 -58.01	133.48 7.39 -54.99	131.07 7.38 -52.74	132.74 7.30 -54.56	143.27 7.47 -64.63	166.59 7.33 -88.10	216.05 10.16 -109.06	179.73 10.16 -71.86	163.71 7.72 -81.77	149.72 7.58 -68.53	147.84 7.32 -69.42	141.59 7.25 -63.32	140.98 6.96 -63.08
PJM_GEN_KEystone 24065	71.30 0.21 -0.44	69.50 0.07 -3.24	68.50 0.06 -11.23	68.73 0.12 -11.00	71.44 0.00 -8.85	81.78 0.21 -10.76	118.94 0.50 -47.35	145.67 0.21 -74.43	107.07 0.14 -35.91	89.30 0.07 -18.28	92.06 0.43 -20.39	81.96 0.21 -10.65	78.64 0.14 -7.40	77.81 0.07 -6.79	70.87 0.00 0.01	74.97 0.36 -3.45	100.44 0.43 -28.84	132.05 1.17 -34.06	120.30 1.18 -21.42	103.70 0.82 -28.66	96.65 0.59 -22.46	86.78 0.29 -15.40	87.40 0.29 -16.09	78.20 0.56 -6.68
PJM_GEN_NEPTUNE_PROXY 323594	145.60 7.21 -67.74	138.82 6.55 -66.08	131.87 5.55 -69.10	126.38 5.01 -63.76	134.61 5.57 -66.45	144.65 6.80 -67.05	162.01 6.18 -84.73	197.52 7.03 -119.47	164.46 7.17 -86.27	157.56 7.16 -79.44	147.30 7.84 -68.22	143.28 8.03 -64.15	142.12 7.89 -63.13	142.12 7.87 -63.30	144.61 7.80 -65.93	148.72 7.97 -69.59	175.33 7.83 -96.33	217.06 11.13 -109.11	198.25 8.31 -89.31	191.30 8.17 -108.77	160.56 8.17 -78.79	155.37 7.89 -76.39	144.38 8.09 -65.27	146.25 7.94 -67.36
PJM_GEN_VFT_PROXY 323633	56.32 6.36 20.69	55.42 5.56 16.33	53.90 4.75 8.06	125.79 4.44 -63.74	133.98 4.94 -66.44	143.57 5.73 -67.04	161.56 5.76 -84.71	196.92 6.46 -119.44	164.16 6.89 -86.25	157.47 7.09 -79.43	146.46 7.12 -68.09	136.22 7.11 -58.02	133.13 7.04 -55.00	130.72 7.03 -52.75	132.46 7.02 -54.56	142.92 7.12 -64.64	166.25 6.98 -88.11	192.59 9.59 -86.18	179.25 9.68 -71.87	163.35 7.35 -81.78	149.36 7.22 -68.54	147.57 7.04 -69.43	141.31 6.96 -63.33	140.78 6.74 -63.08
PLATSBURG_115KV_PMLD1 355749	68.60 -2.05 0.00	64.47 -1.72 0.00	55.73 -1.49 0.00	56.06 -1.56 0.00	60.97 -1.63 0.00	68.82 -1.98 0.00	68.25 -2.84 0.00	68.32 -2.70 0.00	68.18 -2.84 0.00	67.69 -3.26 0.00	67.89 -3.35 0.00	67.90 -3.20 0.00	67.97 -3.13 0.00	68.04 -2.91 0.00	67.98 -2.91 0.00	67.82 -3.34 0.00	67.68 -3.49 0.00	69.75 -4.84 22.23	69.71 -4.98 23.01	70.36 -3.86 0.00	70.07 -3.53 0.00	68.11 -2.99 0.00	68.18 -2.84 0.00	69.11 -1.84 0.00
PLEASANTVLY___LBMP 24000	146.95 5.44 -70.86	140.21 4.90 -69.12	133.74 4.23 -72.29	128.46 4.15 -66.70	136.68 4.57 -69.52	146.26 5.31 -70.14	165.13 5.40 -88.63	201.75 5.75 -124.98	167.20 5.97 -90.22	160.30 6.17 -83.17	148.74 6.20 -71.29	137.94 6.11 -60.73	134.54 5.90 -57.54	132.03 5.89 -55.19	134.07 6.02 -57.17	145.05 6.12 -67.77	131.51 6.19 -54.15	221.18 8.52 -115.84	181.73 8.60 -75.42	166.81 6.53 -86.05	151.62 6.33 -71.68	149.79 6.04 -72.65	143.25 5.97 -66.26	142.63 5.68 -66.01
PLSNTVLE_13_KV_13.8KVDIST 80602	144.97 6.15 -68.18	138.19 5.49 -66.51	131.46 4.69 -69.55	126.39 4.61 -64.17	134.55 5.07 -66.88	144.17 5.88 -67.48	162.35 5.97 -85.28	197.80 6.53 -120.24	164.60 6.75 -86.83	157.87 6.95 -79.97	146.85 7.05 -68.56	136.40 6.90 -58.41	133.22 6.75 -55.37	130.79 6.74 -53.10	132.63 6.80 -54.94	143.23 6.97 -65.09	130.24 6.97 -52.10	216.54 9.68 -110.04	179.76 9.67 -72.38	163.96 7.35 -82.39	149.74 7.14 -68.99	147.82 6.83 -69.89	141.45 6.68 -63.75	140.91 6.46 -63.51
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	144.97 6.15 -68.18	138.19 5.49 -66.51	131.46 4.69 -69.55	126.39 4.61 -64.17	134.55 5.07 -66.88	144.17 5.88 -67.48	162.35 5.97 -85.28	197.80 6.53 -120.24	164.60 6.75 -86.83	157.87 6.95 -79.97	146.85 7.05 -68.56	136.40 6.90 -58.41	133.22 6.75 -55.37	130.79 6.74 -53.10	132.63 6.80 -54.94	143.23 6.97 -65.09	130.24 6.97 -52.10	216.54 9.68 -110.04	179.76 9.67 -72.38	163.96 7.35 -82.39	149.74 7.14 -68.99	147.82 6.83 -69.89	141.45 6.68 -63.75	140.91 6.46 -63.51
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	146.14 6.22 -69.27	139.32 5.56 -67.58	132.69 4.81 -70.67	127.60 4.78 -65.20	135.81 5.26 -67.96	145.46 6.09 -68.57	164.07 6.33 -86.65	199.87 6.68 -122.17	166.67 6.82 -88.83	158.95 6.88 -81.12	147.65 6.84 -69.57	137.08 6.68 -59.30	133.82 6.47 -56.25	131.36 6.46 -53.95	133.08 6.52 -55.68	143.80 6.76 -65.88	131.15 7.05 -52.94	215.61 9.68 -109.10	181.28 9.87 -73.71	165.10 7.50 -83.38	151.66 7.29 -70.77	148.94 6.83 -71.02	142.47 6.68 -64.78	141.86 6.39 -64.53
POLETTI_____ 23519	145.08 6.71 -67.72	138.21 5.96 -66.06	131.40 5.09 -69.09	126.31 4.95 -63.74	134.48 5.45 -66.44	144.00 6.16 -67.04	161.83 6.04 -84.69	197.21 6.75 -119.44	164.44 7.17 -86.25	157.83 7.45 -79.43	146.82 7.48 -68.09	136.58 7.47 -58.02	133.35 7.25 -55.00	130.94 7.24 -52.75	132.75 7.30 -54.56	143.28 7.47 -64.64	130.23 7.33 -51.74	215.86 9.97 -109.06	179.62 10.06 -71.85	163.70 7.72 -81.76	149.80 7.66 -68.54	147.99 7.47 -69.43	141.81 7.46 -63.33	141.27 7.24 -63.08
POMONA___ESR 323819	141.22 5.30 -65.27	134.63 4.77 -63.67	127.87 4.06 -66.59	123.02 3.97 -61.43	131.00 4.38 -64.03	140.51 5.10 -64.61	158.00 5.26 -81.64	191.88 5.75 -115.11	160.13 5.97 -83.14	153.47 6.03 -76.49	143.03 6.20 -65.59	133.11 6.12 -55.90	130.14 6.04 -53.00	127.81 6.03 -50.84	129.36 5.95 -52.52	139.48 6.12 -62.19	161.70 6.12 -84.41	209.16 8.52 -103.82	175.39 8.60 -69.08	159.11 6.45 -78.43	146.01 6.33 -66.07	144.05 6.04 -66.91	137.95 5.89 -61.03	137.43 5.68 -60.80
PORT_JEFF_3 23555	147.57 9.18 -67.74	140.54 8.27 -66.08	133.36 7.04 -69.11	127.71 6.34 -63.76	136.12 7.07 -66.45	146.56 8.71 -67.05	163.15 7.32 -84.73	198.58 8.09 -119.47	165.24 7.95 -86.27	158.41 8.02 -79.44	148.32 8.83 -68.24	146.23 9.38 -65.75	145.46 9.10 -65.26	146.30 9.29 -66.05	148.93 9.15 -68.90	151.29 9.25 -70.88	178.61 8.97 -98.48	219.00 13.07 -109.11	204.76 13.18 -93.87	199.63 9.58 -115.83	164.41 9.35 -81.46	159.02 9.74 -78.19	146.94 10.16 -65.76	149.65 10.22 -68.48



PORT_JEFF_4 23616	147.57 9.18 -67.74	140.54 8.27 -66.08	133.36 7.04 -69.11	127.71 6.34 -63.76	136.12 7.07 -66.45	146.56 8.71 -67.05	163.15 7.32 -84.73	198.58 8.09 -119.47	165.24 7.95 -86.27	158.41 8.02 -79.44	148.32 8.83 -68.24	146.23 9.38 -65.75	145.46 9.10 -65.26	146.30 9.29 -66.05	148.93 9.15 -68.90	151.29 9.25 -70.88	178.61 8.97 -98.48	219.00 13.07 -109.11	204.76 13.18 -93.87	199.63 9.58 -115.83	164.41 9.35 -81.46	159.02 9.74 -78.19	146.94 10.16 -65.76	149.65 10.22 -68.48
PORT_JEFF_IC 23713	147.71 9.33 -67.74	140.74 8.47 -66.08	133.47 7.15 -69.11	127.88 6.51 -63.76	136.31 7.26 -66.45	146.64 8.78 -67.05	163.29 7.47 -84.73	198.80 8.31 -119.47	165.46 8.17 -86.27	158.98 8.59 -79.44	148.82 9.33 -68.24	146.30 9.46 -65.75	145.46 9.10 -65.26	146.23 9.22 -66.05	149.07 9.29 -68.90	151.44 9.39 -70.88	142.53 9.25 -62.11	219.39 13.46 -109.11	205.06 13.48 -93.87	199.92 9.87 -115.83	164.72 9.64 -81.47	159.12 9.81 -78.21	147.01 10.23 -65.76	149.72 10.29 -68.48
PPL PILGRIM_ST_GT1 24216	147.92 9.53 -67.74	140.94 8.67 -66.08	133.65 7.33 -69.11	128.05 6.68 -63.76	136.49 7.45 -66.45	146.92 9.07 -67.05	164.14 8.31 -84.73	199.79 9.30 -119.47	166.46 9.17 -86.27	159.55 9.16 -79.44	149.25 9.76 -68.25	146.94 10.09 -65.75	146.17 9.81 -65.26	146.86 9.86 -66.05	149.71 9.92 -68.90	152.14 10.10 -70.88	179.82 10.18 -98.48	220.64 14.71 -109.11	206.42 14.85 -93.87	200.89 10.84 -115.83	165.79 10.60 -81.58	159.77 10.31 -78.36	147.29 10.51 -65.76	149.86 10.43 -68.48
PPL PILGRIM_ST_GT2 24217	147.92 9.53 -67.74	140.94 8.67 -66.08	133.65 7.33 -69.11	128.05 6.68 -63.76	136.49 7.45 -66.45	146.92 9.07 -67.05	164.14 8.31 -84.73	199.79 9.30 -119.47	166.46 9.17 -86.27	159.55 9.16 -79.44	149.25 9.76 -68.25	146.94 10.09 -65.75	146.17 9.81 -65.26	146.86 9.86 -66.05	149.71 9.92 -68.90	152.14 10.10 -70.88	179.82 10.18 -98.48	220.64 14.71 -109.11	206.42 14.85 -93.87	200.89 10.84 -115.83	165.79 10.60 -81.58	159.77 10.31 -78.36	147.29 10.51 -65.76	149.86 10.43 -68.48
PPL_SHRM_GT3 24213	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.88 6.51 -63.76	136.30 7.26 -66.45	146.78 8.92 -67.05	163.44 7.61 -84.73	199.08 8.59 -119.47	165.67 8.38 -86.27	158.62 8.23 -79.44	147.68 8.19 -68.24	145.38 8.53 -65.75	144.60 8.24 -65.26	145.87 8.87 -66.05	148.71 8.93 -68.90	151.23 9.18 -70.88	179.04 9.39 -98.48	219.39 13.45 -109.11	205.15 13.58 -93.87	200.07 10.02 -115.83	164.94 9.87 -81.46	159.04 9.74 -78.20	146.59 9.80 -65.76	149.87 10.43 -68.48
PPL_SHRM_GT4 24214	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.88 6.51 -63.76	136.30 7.26 -66.45	146.78 8.92 -67.05	163.44 7.61 -84.73	199.08 8.59 -119.47	165.67 8.38 -86.27	158.62 8.23 -79.44	147.68 8.19 -68.24	145.38 8.53 -65.75	144.60 8.24 -65.26	145.87 8.87 -66.05	148.71 8.93 -68.90	151.23 9.18 -70.88	179.04 9.39 -98.48	219.39 13.45 -109.11	205.15 13.58 -93.87	200.07 10.02 -115.83	164.94 9.87 -81.46	159.04 9.74 -78.20	146.59 9.80 -65.76	149.87 10.43 -68.48
PROJECT___ORANGE 1 24174	76.75 -0.78 -6.87	72.03 -0.86 -6.70	63.48 -0.74 -7.01	63.39 -0.69 -6.47	68.58 -0.75 -6.74	77.04 -0.57 -6.80	79.55 -0.14 -8.60	82.93 -0.21 -12.12	78.00 -0.36 -7.34	78.70 -0.14 -7.89	77.83 -0.21 -6.80	76.57 -0.36 -5.83	76.25 -0.43 -5.58	75.81 -0.50 -5.35	75.74 -0.50 -5.36	77.19 -0.21 -6.24	76.20 -0.21 -5.25	102.17 0.00 -5.35	102.83 0.00 -5.13	79.74 0.00 -5.51	78.80 -0.22 -5.41	77.72 -0.43 -7.05	76.81 -0.64 -6.43	76.71 -0.64 -6.40
PROJECT___ORANGE 2 24166	76.75 -0.78 -6.87	72.03 -0.86 -6.70	63.48 -0.74 -7.01	63.39 -0.69 -6.47	68.58 -0.75 -6.74	77.04 -0.57 -6.80	79.55 -0.14 -8.60	82.93 -0.21 -12.12	78.00 -0.36 -7.34	78.70 -0.14 -7.89	77.83 -0.21 -6.80	76.57 -0.36 -5.83	76.25 -0.43 -5.58	75.81 -0.50 -5.35	75.74 -0.50 -5.36	77.19 -0.21 -6.24	76.20 -0.21 -5.25	102.17 0.00 -5.35	102.83 0.00 -5.13	79.74 0.00 -5.51	78.80 -0.22 -5.41	77.72 -0.43 -7.05	76.81 -0.64 -6.43	76.71 -0.64 -6.40
PUCKETT___SOLAR 323809	96.34 1.77 -23.92	90.98 1.45 -23.34	82.88 1.26 -24.41	81.46 1.33 -22.52	87.50 1.44 -23.47	96.54 2.05 -23.68	103.72 2.70 -29.92	115.77 2.55 -42.19	105.03 2.27 -31.74	100.49 2.06 -27.48	97.20 2.28 -23.68	93.39 1.99 -20.30	92.44 1.92 -19.43	91.28 1.70 -18.63	91.17 1.63 -18.66	95.11 2.21 -21.74	100.55 2.35 -27.04	126.44 3.88 -25.75	126.54 4.10 -24.73	103.31 2.97 -26.12	102.02 2.73 -25.69	97.75 2.13 -24.52	95.31 1.92 -22.37	95.29 2.06 -22.28
PYRITES___HYD 24023	69.31 -1.34 0.00	65.06 -1.13 0.00	56.30 -0.92 0.00	56.58 -1.04 0.00	61.59 -1.00 0.00	69.53 -1.27 0.00	69.68 -1.42 0.00	69.88 -1.14 0.00	69.74 -1.28 0.00	69.18 -1.77 0.00	69.32 -1.92 0.00	69.25 -1.85 0.00	69.53 -1.56 0.00	69.60 -1.35 0.00	69.54 -1.35 0.00	69.53 -1.64 0.00	69.32 -1.85 0.00	74.79 -3.87 18.16	75.19 -3.71 18.80	71.40 -2.82 0.00	71.62 -1.99 0.00	69.46 -1.64 0.00	69.46 -1.56 0.00	69.60 -1.35 0.00
QUAKERRD_115KV_BK1 80622	75.36 -4.03 -8.74	70.94 -3.77 -8.52	62.87 -3.26 -8.91	62.73 -3.11 -8.22	67.79 -3.38 -8.57	75.77 -3.68 -8.65	79.11 -2.91 -10.93	82.95 -3.48 -15.41	76.58 -3.84 -9.39	77.65 -3.33 -10.03	76.33 -3.56 -8.65	74.60 -3.91 -7.41	74.21 -3.98 -7.10	73.57 -4.19 -6.81	73.44 -4.25 -6.81	75.40 -3.70 -7.93	74.21 -3.63 -6.68	99.58 -4.07 -6.83	100.03 -4.20 -6.52	77.97 -3.27 -7.02	76.96 -3.53 -6.88	76.22 -3.84 -8.96	75.28 -3.91 -8.17	75.33 -3.76 -8.14
QUENSBRY_115KV_TB8 356137	166.67 4.52 -91.49	159.75 4.30 -89.25	154.16 3.60 -93.34	147.36 3.63 -86.12	156.42 4.07 -89.76	166.26 4.89 -90.57	190.87 5.33 -114.45	237.86 5.47 -161.37	237.91 5.54 -161.35	180.60 5.39 -104.26	168.18 6.91 -90.03	155.21 6.75 -77.36	151.73 6.33 -74.30	148.39 6.17 -71.26	147.76 6.45 -70.43	159.58 6.90 -81.51	148.49 7.40 -69.92	227.27 10.17 -120.28	242.27 10.06 -134.50	218.50 7.65 -136.63	222.61 7.66 -141.35	171.94 7.04 -93.80	163.18 6.60 -85.56	162.49 6.31 -85.23
RAMAPO___LBMP 323565	140.92 5.23 -65.05	134.28 4.63 -63.45	127.58 4.01 -66.36	122.75 3.92 -61.22	130.72 4.32 -63.81	140.15 4.96 -64.39	157.51 5.05 -81.36	191.28 5.54 -114.72	159.63 5.75 -82.86	153.14 5.96 -76.23	142.59 5.98 -65.37	132.70 5.90 -55.70	129.61 5.69 -52.82	127.29 5.68 -50.66	128.97 5.74 -52.34	139.05 5.91 -61.97	126.78 5.91 -49.71	208.31 8.13 -103.36	174.84 8.31 -68.83	158.67 6.31 -78.14	145.64 6.18 -65.85	143.61 5.83 -66.68	137.60 5.75 -60.83	137.00 5.46 -60.59
RANKINE____ 23646	76.73 -6.01 -12.08	72.28 -5.69 -11.78	64.74 -4.81 -12.32	64.38 -4.61 -11.37	69.19 -5.26 -11.85	77.10 -5.66 -11.96	81.23 -4.98 -15.11	86.08 -6.25 -21.31	79.19 -6.82 -14.99	78.87 -5.96 -13.88	76.79 -6.41 -11.96	74.45 -6.90 -10.25	73.94 -6.97 -9.81	73.12 -7.24 -9.41	72.93 -7.37 -9.42	75.66 -6.48 -10.97	74.21 -6.19 -9.23	101.87 -7.26 -12.31	102.03 -7.52 -11.85	81.20 -5.57 -12.54	79.62 -6.33 -12.34	76.87 -6.61 -12.39	75.85 -6.46 -11.30	76.74 -5.46 -11.25
RAVENSWOOD_GT2_1 24244	145.09 6.71 -67.73	138.22 5.96 -66.07	131.40 5.09 -69.10	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	162.07 6.26 -84.72	197.43 6.96 -119.45	164.59 7.32 -86.26	157.97 7.59 -79.43	146.97 7.62 -68.10	136.65 7.54 -58.02	133.42 7.32 -55.00	131.01 7.31 -52.75	132.82 7.37 -54.57	143.35 7.54 -64.64	130.47 7.54 -51.76	216.17 10.26 -109.09	179.94 10.36 -71.87	163.95 7.94 -81.78	149.95 7.80 -68.54	148.00 7.47 -69.43	141.74 7.39 -63.33	141.13 7.10 -63.09



RAVENSWOOD_GT2_2 24245	145.09 6.71 -67.73	138.22 5.96 -66.07	131.40 5.09 -69.10	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	162.07 6.26 -84.72	197.43 6.96 -119.45	164.59 7.32 -86.26	157.97 7.59 -79.43	146.97 7.62 -68.10	136.65 7.54 -58.02	133.42 7.32 -55.00	131.01 7.31 -52.75	132.82 7.37 -54.57	143.35 7.54 -64.64	130.47 7.54 -51.76	216.17 10.26 -109.09	179.94 10.36 -71.87	163.95 7.94 -81.78	149.95 7.80 -68.54	148.00 7.47 -69.43	141.74 7.39 -63.33	141.13 7.10 -63.09
RAVENSWOOD_GT2_3 24246	145.16 6.78 -67.73	138.22 5.96 -66.07	131.40 5.09 -69.10	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	162.14 6.33 -84.72	197.50 7.03 -119.45	164.59 7.32 -86.26	157.97 7.59 -79.43	146.97 7.62 -68.10	136.73 7.61 -58.02	133.49 7.39 -55.00	131.08 7.38 -52.75	132.89 7.44 -54.57	143.35 7.54 -64.64	130.47 7.54 -51.76	216.27 10.36 -109.09	180.03 10.45 -71.87	163.95 7.94 -81.78	149.95 7.80 -68.54	148.00 7.47 -69.43	141.74 7.39 -63.33	141.20 7.17 -63.09
RAVENSWOOD_GT2_4 24247	145.16 6.78 -67.73	138.22 5.96 -66.07	131.40 5.09 -69.10	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	162.14 6.33 -84.72	197.50 7.03 -119.45	164.59 7.32 -86.26	157.97 7.59 -79.43	146.97 7.62 -68.10	136.73 7.61 -58.02	133.49 7.39 -55.00	131.08 7.38 -52.75	132.89 7.44 -54.57	143.35 7.54 -64.64	130.47 7.54 -51.76	216.27 10.36 -109.09	180.03 10.45 -71.87	163.95 7.94 -81.78	149.95 7.80 -68.54	148.00 7.47 -69.43	141.74 7.39 -63.33	141.20 7.17 -63.09
RAVENSWOOD_GT3_1 24248	145.09 6.71 -67.73	138.22 5.96 -66.07	131.40 5.09 -69.10	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	162.07 6.26 -84.72	197.43 6.96 -119.45	164.59 7.32 -86.26	157.97 7.59 -79.43	146.97 7.62 -68.10	136.73 7.61 -58.02	133.42 7.32 -55.00	131.01 7.31 -52.75	132.89 7.44 -54.57	143.35 7.54 -64.64	130.47 7.54 -51.76	216.17 10.26 -109.09	179.94 10.36 -71.87	163.95 7.94 -81.78	149.95 7.80 -68.54	148.00 7.47 -69.43	141.74 7.39 -63.33	141.13 7.10 -63.09
RAVENSWOOD_GT3_2 24249	145.09 6.71 -67.73	138.22 5.96 -66.07	131.40 5.09 -69.10	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	162.07 6.26 -84.72	197.43 6.96 -119.45	164.59 7.32 -86.26	157.97 7.59 -79.43	146.97 7.62 -68.10	136.73 7.61 -58.02	133.42 7.32 -55.00	131.01 7.31 -52.75	132.89 7.44 -54.57	143.35 7.54 -64.64	130.47 7.54 -51.76	216.17 10.26 -109.09	179.94 10.36 -71.87	163.95 7.94 -81.78	149.95 7.80 -68.54	148.00 7.47 -69.43	141.74 7.39 -63.33	141.13 7.10 -63.09
RAVENSWOOD_GT3_3 24250	145.16 6.78 -67.73	138.28 6.02 -66.07	131.46 5.15 -69.10	126.37 5.01 -63.75	134.54 5.51 -66.44	144.15 6.30 -67.04	162.21 6.40 -84.72	197.57 7.10 -119.45	164.66 7.39 -86.26	158.05 7.66 -79.43	147.04 7.69 -68.10	136.80 7.68 -58.02	133.56 7.47 -55.00	131.15 7.45 -52.75	132.96 7.51 -54.57	143.50 7.69 -64.64	130.54 7.61 -51.76	216.37 10.46 -109.09	180.13 10.55 -71.87	164.02 8.02 -81.78	150.02 7.88 -68.54	148.07 7.54 -69.43	141.81 7.46 -63.33	141.28 7.24 -63.09
RAVENSWOOD_GT3_4 24251	145.16 6.78 -67.73	138.28 6.02 -66.07	131.46 5.15 -69.10	126.37 5.01 -63.75	134.54 5.51 -66.44	144.15 6.30 -67.04	162.21 6.40 -84.72	197.57 7.10 -119.45	164.66 7.39 -86.26	158.05 7.66 -79.43	147.04 7.69 -68.10	136.80 7.68 -58.02	133.56 7.47 -55.00	131.15 7.45 -52.75	132.96 7.51 -54.57	143.50 7.69 -64.64	130.54 7.61 -51.76	216.37 10.46 -109.09	180.13 10.55 -71.87	164.02 8.02 -81.78	150.02 7.88 -68.54	148.07 7.54 -69.43	141.81 7.46 -63.33	141.28 7.24 -63.09
RAVENSWOOD_GT_1 23729	186.74 7.14 -108.95	163.38 6.35 -90.83	131.78 5.44 -69.13	126.67 5.30 -63.76	134.89 5.82 -66.48	159.82 6.66 -82.36	194.59 6.68 -116.81	230.75 7.39 -152.35	199.54 7.67 -120.85	213.01 7.95 -134.12	151.33 7.98 -72.11	148.13 7.96 -69.07	148.62 7.75 -69.77	149.21 7.73 -70.52	148.87 7.80 -70.19	149.67 7.97 -70.53	131.40 7.90 -52.33	231.27 10.84 -123.61	205.50 10.94 -96.85	186.19 8.39 -103.57	164.92 8.24 -83.07	159.93 7.89 -80.94	193.80 7.81 -114.97	153.43 7.52 -74.96
RAVENSWOOD_GT_10 24258	144.26 6.71 -66.89	137.71 5.96 -65.57	131.40 5.09 -69.09	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	161.81 6.26 -84.46	196.77 6.96 -118.79	163.89 7.32 -85.56	156.80 7.52 -78.33	146.87 7.62 -68.00	136.01 7.54 -57.38	132.46 7.32 -54.04	129.81 7.31 -51.55	131.79 7.37 -53.54	143.06 7.54 -64.35	130.37 7.47 -51.73	216.17 10.26 -109.09	179.65 10.36 -71.59	163.67 7.94 -81.50	149.95 7.80 -68.54	147.42 7.47 -68.86	139.41 7.39 -61.00	140.89 7.10 -62.85
RAVENSWOOD_GT_11 24259	144.26 6.71 -66.89	137.71 5.96 -65.57	131.40 5.09 -69.09	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	161.81 6.26 -84.46	196.77 6.96 -118.79	163.89 7.32 -85.56	156.80 7.52 -78.33	146.87 7.62 -68.00	136.01 7.54 -57.38	132.46 7.32 -54.04	129.81 7.31 -51.55	131.79 7.37 -53.54	143.06 7.54 -64.35	130.37 7.47 -51.73	216.17 10.26 -109.09	179.65 10.36 -71.59	163.67 7.94 -81.50	149.95 7.80 -68.54	147.42 7.47 -68.86	139.41 7.39 -61.00	140.89 7.10 -62.85
RAVENSWOOD_GT_4 24252	163.76 6.64 -86.47	149.41 5.89 -77.33	131.35 5.04 -69.10	126.25 4.90 -63.74	134.43 5.38 -66.45	155.67 6.16 -78.70	182.49 6.19 -105.21	212.32 6.89 -134.41	180.25 7.24 -101.99	182.77 7.52 -104.30	148.46 7.55 -69.67	135.32 7.54 -56.69	130.08 7.32 -51.66	126.36 7.31 -48.11	129.10 7.37 -50.85	143.29 7.47 -64.65	130.40 7.47 -51.76	227.13 10.17 -120.15	194.56 10.26 -86.60	176.24 7.87 -94.15	160.93 7.73 -79.59	147.93 7.39 -69.44	145.64 7.32 -67.30	146.45 7.02 -68.48
RAVENSWOOD_GT_5 24254	163.76 6.64 -86.47	149.41 5.89 -77.33	131.35 5.04 -69.10	126.25 4.90 -63.74	134.43 5.38 -66.45	155.67 6.16 -78.70	182.49 6.19 -105.21	212.32 6.89 -134.41	180.25 7.24 -101.99	182.77 7.52 -104.30	148.46 7.55 -69.67	135.32 7.54 -56.69	130.08 7.32 -51.66	126.36 7.31 -48.11	129.10 7.37 -50.85	143.29 7.47 -64.65	130.40 7.47 -51.76	227.13 10.17 -120.15	194.56 10.26 -86.60	176.24 7.87 -94.15	160.93 7.73 -79.59	147.93 7.39 -69.44	145.64 7.32 -67.30	146.45 7.02 -68.48
RAVENSWOOD_GT_6 24253	163.76 6.64 -86.47	149.41 5.89 -77.33	131.35 5.04 -69.10	126.25 4.90 -63.74	134.43 5.38 -66.45	155.67 6.16 -78.70	182.49 6.19 -105.21	212.32 6.89 -134.41	180.25 7.24 -101.99	182.77 7.52 -104.30	148.46 7.55 -69.67	135.32 7.54 -56.69	130.08 7.32 -51.66	126.36 7.31 -48.11	129.10 7.37 -50.85	143.29 7.47 -64.65	130.40 7.47 -51.76	227.13 10.17 -120.15	194.56 10.26 -86.60	176.24 7.87 -94.15	160.93 7.73 -79.59	147.93 7.39 -69.44	145.64 7.32 -67.30	146.45 7.02 -68.48
RAVENSWOOD_GT_7 24255	163.76 6.64 -86.47	149.41 5.89 -77.33	131.35 5.04 -69.10	126.25 4.90 -63.74	134.43 5.38 -66.45	155.67 6.16 -78.70	182.49 6.19 -105.21	212.32 6.89 -134.41	180.25 7.24 -101.99	182.77 7.52 -104.30	148.46 7.55 -69.67	135.32 7.54 -56.69	130.08 7.32 -51.66	126.36 7.31 -48.11	129.10 7.37 -50.85	143.29 7.47 -64.65	130.40 7.47 -51.76	227.13 10.17 -120.15	194.56 10.26 -86.60	176.24 7.87 -94.15	160.93 7.73 -79.59	147.93 7.39 -69.44	145.64 7.32 -67.30	146.45 7.02 -68.48
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	144.26 6.71 -66.89	137.71 5.96 -65.57	131.40 5.09 -69.09	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	161.81 6.26 -84.46	196.77 6.96 -118.79	163.89 7.32 -85.56	156.80 7.52 -78.33	146.87 7.62 -68.00	136.01 7.54 -57.38	132.46 7.32 -54.04	129.81 7.31 -51.55	131.79 7.37 -53.54	143.06 7.54 -64.35	130.37 7.47 -51.73	216.17 10.26 -109.09	179.65 10.36 -71.59	163.67 7.94 -81.50	149.95 7.80 -68.54	147.42 7.47 -68.86	139.41 7.39 -61.00	140.89 7.10 -62.85



RAVENSWOOD_GT_9 24257	144.26 6.71 -66.89	137.71 5.96 -65.57	131.40 5.09 -69.09	126.32 4.95 -63.75	134.48 5.45 -66.44	144.08 6.23 -67.04	161.81 6.26 -84.46	196.77 6.96 -118.79	163.89 7.32 -85.56	156.80 7.52 -78.33	146.87 7.62 -68.00	136.01 7.54 -57.38	132.46 7.32 -54.04	129.81 7.31 -51.55	131.79 7.37 -53.54	143.06 7.54 -64.35	130.37 7.47 -51.73	216.17 10.26 -109.09	179.65 10.36 -71.59	163.67 7.94 -81.50	149.95 7.80 -68.54	147.42 7.47 -68.86	139.41 7.39 -61.00	140.89 7.10 -62.85
RAVENSWOOD___1 23533	153.63 7.00 -75.98	143.44 6.22 -71.03	131.65 5.32 -69.11	126.56 5.19 -63.76	134.75 5.70 -66.46	144.43 6.59 -67.04	165.07 6.68 -87.29	204.38 7.32 -126.04	171.88 7.67 -93.19	169.14 7.80 -90.38	148.22 7.91 -69.07	143.37 7.89 -64.38	143.44 7.82 -64.52	143.37 7.80 -64.62	143.37 7.73 -64.76	146.63 7.90 -67.57	167.32 7.76 -88.39	216.66 10.75 -109.09	183.32 10.94 -74.68	167.08 8.31 -84.54	150.33 8.17 -68.55	154.07 7.82 -75.15	165.18 7.74 -86.41	143.94 7.52 -65.47
RAVENSWOOD___2 23534	153.60 7.00 -75.95	143.42 6.22 -71.01	131.65 5.32 -69.11	126.50 5.13 -63.76	134.75 5.70 -66.46	144.43 6.59 -67.04	164.99 6.61 -87.28	204.35 7.32 -126.02	171.78 7.60 -93.16	169.03 7.73 -90.34	148.22 7.91 -69.07	143.27 7.82 -64.36	143.34 7.75 -64.49	143.26 7.73 -64.57	143.33 7.73 -64.73	146.55 7.83 -67.56	167.32 7.76 -88.39	216.66 10.75 -109.09	183.22 10.84 -74.67	166.99 8.24 -84.53	150.33 8.17 -68.55	154.05 7.82 -75.13	165.09 7.74 -86.33	143.93 7.52 -65.46
RAVENSWOOD___3 23535	145.02 6.64 -67.73	138.15 5.89 -66.07	131.35 5.04 -69.10	126.26 4.89 -63.75	134.42 5.38 -66.44	144.08 6.23 -67.04	162.07 6.26 -84.72	197.44 6.96 -119.45	164.59 7.32 -86.26	157.83 7.45 -79.43	146.89 7.55 -68.10	136.65 7.53 -58.02	133.56 7.46 -55.00	131.15 7.45 -52.75	132.89 7.44 -54.57	143.35 7.54 -64.64	166.68 7.40 -88.11	216.17 10.26 -109.09	179.93 10.35 -71.87	163.87 7.86 -81.78	149.88 7.73 -68.54	147.99 7.46 -69.43	141.74 7.39 -63.33	141.20 7.16 -63.09
RAVENSWOOD___4 23820	121.13 7.00 -43.48	123.92 6.22 -51.51	131.63 5.32 -69.09	126.49 5.13 -63.75	134.66 5.64 -66.44	129.35 6.59 -51.96	135.92 6.61 -58.21	178.38 7.25 -100.11	144.54 7.60 -65.91	125.95 7.73 -47.27	145.15 7.84 -66.07	138.66 7.82 -59.74	138.17 7.75 -59.32	137.44 7.73 -58.76	137.91 7.66 -59.37	143.63 7.83 -64.64	166.96 7.69 -88.11	202.36 10.75 -94.79	161.38 10.84 -52.83	148.25 8.24 -65.79	135.96 8.10 -54.25	148.34 7.82 -69.43	136.96 7.74 -58.20	134.58 7.52 -56.11
RCPI_TRUST___DRP 24196	145.01 6.64 -67.71	138.14 5.89 -66.06	131.39 5.09 -69.08	126.36 5.01 -63.74	134.47 5.45 -66.43	144.06 6.23 -67.03	162.05 6.26 -84.70	197.48 7.03 -119.43	164.58 7.32 -86.24	157.96 7.59 -79.42	146.95 7.62 -68.09	136.79 7.68 -58.01	133.55 7.47 -54.99	131.14 7.45 -52.74	132.95 7.51 -54.56	143.34 7.54 -64.63	130.60 7.69 -51.75	216.24 10.36 -109.06	180.02 10.45 -71.86	163.93 7.94 -81.77	149.94 7.80 -68.53	147.98 7.47 -69.42	141.66 7.32 -63.32	141.05 7.02 -63.08
RED___ROCHESTER 323720	76.94 -2.68 -8.98	72.43 -2.52 -8.76	64.20 -2.17 -9.16	64.10 -1.96 -8.45	69.21 -2.19 -8.81	77.36 -2.33 -8.89	80.90 -1.42 -11.23	84.58 -2.28 -15.83	79.83 -2.70 -11.51	78.28 -2.98 -10.31	77.92 -2.21 -8.89	76.01 -2.70 -7.62	75.61 -2.77 -7.29	74.89 -3.05 -6.99	74.76 -3.12 -7.00	76.83 -2.49 -8.15	78.32 -2.42 -9.58	103.93 -1.94 -9.05	104.09 -2.35 -8.73	81.61 -1.85 -9.24	80.72 -1.98 -9.10	77.67 -2.63 -9.20	76.79 -2.63 -8.39	76.97 -2.34 -8.36
REGAN___SOLAR 323812	174.84 6.36 -97.83	167.59 5.96 -95.44	162.00 4.98 -99.81	154.77 5.07 -92.08	164.14 5.57 -95.98	174.23 6.59 -96.84	200.58 7.11 -122.37	250.74 7.17 -172.55	244.78 6.75 -167.01	188.33 5.89 -111.49	173.21 5.70 -96.27	159.15 5.33 -82.72	155.52 4.98 -79.45	152.04 4.89 -76.20	151.37 5.17 -75.32	164.52 6.19 -87.17	219.94 6.90 -141.88	229.33 9.68 -122.83	245.54 9.97 -137.87	222.04 7.65 -140.17	226.49 7.94 -145.16	178.57 7.73 -100.30	169.26 7.18 -91.49	168.47 6.75 -91.13
RENSSELAER___COGEN 23796	161.88 2.83 -88.40	155.08 2.65 -86.24	149.70 2.29 -90.19	143.24 2.42 -83.21	151.51 2.19 -86.73	160.79 2.48 -87.51	184.10 2.42 -110.58	229.28 2.34 -155.92	203.76 2.48 -130.25	174.10 2.48 -100.67	160.82 2.64 -86.94	148.52 2.70 -74.72	145.94 3.06 -71.79	142.86 3.05 -68.86	141.13 2.27 -67.98	152.07 2.28 -78.63	178.21 2.07 -104.97	186.55 3.10 -86.63	202.24 2.73 -101.80	179.98 2.15 -103.60	184.33 2.06 -108.67	163.72 1.99 -90.63	156.11 2.42 -82.67	155.57 2.27 -82.35
REPUBLIC_115KV_BARTNBRK 55605	169.64 7.56 -91.44	162.60 7.21 -89.20	156.51 6.01 -93.28	149.78 6.11 -86.06	159.06 6.76 -89.70	169.39 8.07 -90.51	194.36 8.89 -114.37	241.45 9.16 -161.26	241.12 9.09 -161.01	183.94 8.80 -104.19	171.26 10.05 -89.97	158.15 9.74 -77.31	154.45 9.10 -74.25	151.04 8.87 -71.22	150.48 9.21 -70.38	162.59 9.96 -81.46	151.86 10.82 -69.88	231.64 14.81 -120.01	246.44 14.56 -134.18	221.59 11.06 -136.31	225.81 11.19 -141.01	175.07 10.24 -93.74	166.11 9.59 -85.50	165.28 9.15 -85.17
REVERE_CPPI_DRP 24186	77.36 3.04 -3.67	72.42 2.65 -3.58	63.19 2.23 -3.74	63.31 2.25 -3.45	68.76 2.57 -3.60	77.76 3.33 -3.63	79.60 3.91 -4.59	81.47 3.98 -6.47	78.70 3.76 -3.92	78.97 3.83 -4.18	78.63 3.78 -3.61	77.83 3.63 -3.10	77.63 3.55 -2.98	77.14 3.33 -2.86	76.97 3.26 -2.83	78.14 3.70 -3.28	77.74 3.77 -2.80	104.39 5.42 -2.15	106.10 5.76 -2.63	81.26 4.30 -2.73	80.54 4.05 -2.89	78.27 3.41 -3.76	77.65 3.20 -3.43	77.42 3.05 -3.42
REYNOLDS_115KV_TB3 80639	162.76 3.32 -88.79	155.98 3.18 -86.61	150.60 2.80 -90.58	144.07 2.88 -83.57	152.77 3.07 -87.11	162.09 3.40 -87.89	185.64 3.48 -111.06	230.89 3.27 -156.60	212.47 3.41 -138.04	175.70 3.55 -101.20	162.11 3.49 -87.38	149.66 3.48 -75.08	146.76 3.55 -72.10	143.58 3.48 -69.16	142.65 3.40 -68.37	153.72 3.42 -79.14	142.36 3.34 -67.85	198.52 4.65 -97.05	212.83 4.69 -110.43	190.35 3.56 -112.57	193.99 3.39 -117.00	165.39 3.27 -91.03	157.39 3.34 -83.03	156.85 3.19 -82.71
RIVERBAY____ 323610	145.87 7.49 -67.74	138.89 6.62 -66.08	131.99 5.66 -69.11	126.96 5.59 -63.76	135.12 6.07 -66.46	144.71 6.87 -67.04	162.77 6.97 -84.71	198.13 7.67 -119.44	165.22 7.95 -86.25	158.53 8.16 -79.42	147.53 8.19 -68.10	137.23 8.11 -58.03	134.00 7.89 -55.01	131.59 7.88 -52.76	133.40 7.94 -54.58	143.86 8.04 -64.65	130.96 8.04 -51.75	216.95 11.04 -109.09	180.81 11.24 -71.87	164.54 8.54 -81.78	150.77 8.61 -68.55	148.64 8.11 -69.44	142.39 8.03 -63.34	141.85 7.80 -63.10
RIVERSIDE_115KV_TB3 55908	162.66 3.18 -88.83	155.83 2.98 -86.66	150.48 2.63 -90.63	143.93 2.71 -83.61	152.37 2.63 -87.15	161.64 2.90 -87.93	185.13 2.91 -111.12	230.54 2.84 -156.67	209.21 2.98 -135.21	175.19 3.05 -101.19	161.62 2.99 -87.38	149.25 3.06 -75.09	146.65 3.41 -72.14	143.48 3.33 -69.19	141.98 2.76 -68.33	152.93 2.70 -79.06	141.62 2.56 -67.89	192.81 3.58 -92.41	208.32 3.52 -107.09	185.90 2.67 -109.00	190.08 2.58 -113.90	164.73 2.56 -91.07	157.00 2.91 -83.07	156.54 2.84 -82.75
ROARING___BROOK_WT_PWR 323790	69.03 -1.62 0.00	64.73 -1.46 0.00	55.96 -1.26 0.00	56.29 -1.32 0.00	61.16 -1.44 0.00	69.11 -1.70 0.00	69.25 -1.85 0.00	69.25 -1.77 0.00	69.25 -1.77 0.00	69.18 -1.77 0.00	69.32 -1.92 0.00	69.25 -1.85 0.00	69.25 -1.85 0.00	69.11 -1.85 0.00	69.04 -1.84 0.00	69.17 -1.99 0.00	69.17 -1.99 0.00	55.55 -3.00 38.27	55.16 -2.93 39.62	72.15 -2.08 0.00	71.69 -1.91 0.00	69.46 -1.63 0.00	69.46 -1.56 0.00	69.46 -1.49 0.00



ROCHESRG_115KV_T4 355643	76.16 -3.39 -8.90	71.70 -3.18 -8.68	63.55 -2.75 -9.08	63.46 -2.53 -8.38	68.51 -2.82 -8.73	76.57 -3.04 -8.81	79.96 -2.28 -11.14	83.74 -2.98 -15.70	79.03 -3.41 -11.42	78.34 -2.84 -10.22	76.99 -3.06 -8.81	75.17 -3.48 -7.55	74.77 -3.55 -7.23	74.05 -3.83 -6.93	73.99 -3.83 -6.94	75.98 -3.27 -8.08	74.84 -3.13 -6.80	102.50 -3.29 -8.97	102.84 -3.52 -8.65	80.78 -2.60 -9.16	79.61 -3.02 -9.02	76.88 -3.34 -9.13	75.94 -3.41 -8.32	76.19 -3.05 -8.29
ROCHESTER_9_IC 23652	76.59 -3.04 -8.98	72.10 -2.85 -8.76	63.97 -2.40 -9.16	63.82 -2.25 -8.45	68.90 -2.50 -8.81	77.07 -2.62 -8.89	80.48 -1.85 -11.23	84.37 -2.49 -15.83	79.61 -2.91 -11.50	78.92 -2.34 -10.31	77.56 -2.56 -8.89	75.73 -2.99 -7.62	75.33 -3.06 -7.29	74.61 -3.33 -6.99	74.48 -3.40 -7.00	76.54 -2.78 -8.15	75.39 -2.63 -6.86	103.25 -2.61 -9.05	103.60 -2.83 -8.73	81.38 -2.08 -9.24	80.20 -2.50 -9.10	77.46 -2.84 -9.20	76.43 -2.98 -8.39	76.62 -2.70 -8.36
ROCKVIEW_13_KV_LD 356306	144.87 6.50 -67.72	138.08 5.82 -66.06	131.29 4.98 -69.09	126.25 4.90 -63.74	134.35 5.32 -66.44	144.00 6.16 -67.04	162.14 6.33 -84.71	197.35 6.89 -119.44	164.45 7.17 -86.25	157.76 7.38 -79.43	146.82 7.48 -68.10	136.51 7.39 -58.02	133.28 7.18 -55.00	130.87 7.17 -52.75	132.68 7.23 -54.56	143.21 7.40 -64.64	130.32 7.40 -51.75	216.16 10.26 -109.08	179.83 10.26 -71.87	163.87 7.87 -81.78	149.80 7.66 -68.54	147.78 7.25 -69.43	141.52 7.17 -63.33	140.92 6.88 -63.08
ROME____115KV_TB2 80656	77.36 3.04 -3.67	72.42 2.65 -3.58	63.19 2.23 -3.74	63.31 2.25 -3.45	68.76 2.57 -3.60	77.76 3.33 -3.63	79.60 3.91 -4.59	81.47 3.98 -6.47	78.70 3.76 -3.92	78.97 3.83 -4.18	78.63 3.78 -3.61	77.83 3.63 -3.10	77.63 3.55 -2.98	77.14 3.33 -2.86	76.97 3.26 -2.83	78.14 3.70 -3.28	77.74 3.77 -2.80	104.39 5.42 -2.15	106.10 5.76 -2.63	81.26 4.30 -2.73	80.54 4.05 -2.89	78.27 3.41 -3.76	77.65 3.20 -3.43	77.42 3.05 -3.42
ROSETON___1 23587	142.87 5.23 -67.00	136.24 4.70 -65.36	129.63 4.06 -68.35	124.65 3.97 -63.06	132.70 4.38 -65.73	142.22 5.10 -66.32	160.09 5.19 -83.80	194.79 5.61 -118.16	162.18 5.82 -85.33	155.39 5.89 -78.56	144.65 6.05 -67.35	134.46 5.97 -57.39	131.40 5.90 -54.41	129.02 5.89 -52.18	130.72 5.88 -53.96	141.06 5.98 -63.91	164.16 5.98 -87.01	212.67 8.33 -107.52	177.15 8.40 -71.04	161.40 6.38 -80.79	147.67 6.25 -67.81	145.75 5.97 -68.68	139.50 5.82 -62.65	138.96 5.60 -62.41
ROSETON___2 23588	142.87 5.23 -67.00	136.24 4.70 -65.36	129.63 4.06 -68.35	124.65 3.97 -63.06	132.70 4.38 -65.73	142.22 5.10 -66.32	160.09 5.19 -83.80	194.79 5.61 -118.16	162.18 5.82 -85.33	155.39 5.89 -78.56	144.65 6.05 -67.35	134.46 5.97 -57.39	131.40 5.90 -54.41	129.02 5.89 -52.18	130.72 5.88 -53.96	141.06 5.98 -63.91	164.16 5.98 -87.01	212.67 8.33 -107.52	177.15 8.40 -71.04	161.40 6.38 -80.79	147.67 6.25 -67.81	145.75 5.97 -68.68	139.50 5.82 -62.65	138.96 5.60 -62.41
ROTRDAM_115KV_TB3 80664	166.03 2.90 -92.49	159.13 2.71 -90.22	153.86 2.29 -94.36	146.97 2.30 -87.05	155.89 2.57 -90.73	165.33 2.97 -91.55	189.98 3.20 -115.69	237.34 3.20 -163.12	241.13 3.20 -166.91	179.43 3.12 -105.35	165.43 3.21 -90.98	152.41 3.13 -78.19	149.26 3.06 -75.11	145.97 2.98 -72.04	145.15 3.12 -71.15	156.83 3.34 -82.32	145.33 3.49 -70.68	226.44 4.84 -124.78	242.57 4.89 -139.97	219.91 3.71 -141.98	224.25 3.61 -147.04	169.33 3.41 -94.82	160.78 3.27 -86.49	160.22 3.12 -86.15
RUSSELL___1 23602	76.94 -2.68 -8.98	72.43 -2.52 -8.76	64.20 -2.17 -9.16	64.05 -2.02 -8.45	69.15 -2.25 -8.81	77.36 -2.34 -8.89	80.90 -1.42 -11.23	84.79 -2.06 -15.83	79.97 -2.56 -11.51	79.28 -1.99 -10.31	77.99 -2.14 -8.89	76.16 -2.56 -7.62	75.76 -2.63 -7.29	74.96 -2.98 -6.99	74.83 -3.05 -7.00	76.97 -2.35 -8.15	75.82 -2.21 -6.86	103.84 -2.03 -9.05	104.19 -2.25 -8.73	81.83 -1.63 -9.24	80.72 -1.99 -9.10	77.88 -2.42 -9.20	76.86 -2.56 -8.39	76.97 -2.34 -8.36
RUSSELL___2 23532	76.94 -2.68 -8.98	72.43 -2.52 -8.76	64.20 -2.17 -9.16	64.05 -2.02 -8.45	69.15 -2.25 -8.81	77.36 -2.34 -8.89	80.90 -1.42 -11.23	84.79 -2.06 -15.83	79.97 -2.56 -11.51	79.28 -1.99 -10.31	77.99 -2.14 -8.89	76.16 -2.56 -7.62	75.76 -2.63 -7.29	74.96 -2.98 -6.99	74.83 -3.05 -7.00	76.97 -2.35 -8.15	75.82 -2.21 -6.86	103.84 -2.03 -9.05	104.19 -2.25 -8.73	81.83 -1.63 -9.24	80.72 -1.99 -9.10	77.88 -2.42 -9.20	76.86 -2.56 -8.39	76.97 -2.34 -8.36
RUSSELL___3 23549	76.94 -2.68 -8.98	72.43 -2.52 -8.76	64.20 -2.17 -9.16	64.05 -2.02 -8.45	69.15 -2.25 -8.81	77.36 -2.34 -8.89	80.90 -1.42 -11.23	84.79 -2.06 -15.83	79.97 -2.56 -11.51	79.28 -1.99 -10.31	77.99 -2.14 -8.89	76.16 -2.56 -7.62	75.76 -2.63 -7.29	74.96 -2.98 -6.99	74.83 -3.05 -7.00	76.97 -2.35 -8.15	75.82 -2.21 -6.86	103.84 -2.03 -9.05	104.19 -2.25 -8.73	81.83 -1.63 -9.24	80.72 -1.99 -9.10	77.88 -2.42 -9.20	76.86 -2.56 -8.39	76.97 -2.34 -8.36
RUSSELL___4 23556	76.94 -2.68 -8.98	72.43 -2.52 -8.76	64.20 -2.17 -9.16	64.05 -2.02 -8.45	69.15 -2.25 -8.81	77.36 -2.34 -8.89	80.90 -1.42 -11.23	84.79 -2.06 -15.83	79.97 -2.56 -11.51	79.28 -1.99 -10.31	77.99 -2.14 -8.89	76.16 -2.56 -7.62	75.76 -2.63 -7.29	74.96 -2.98 -6.99	74.83 -3.05 -7.00	76.97 -2.35 -8.15	75.82 -2.21 -6.86	103.84 -2.03 -9.05	104.19 -2.25 -8.73	81.83 -1.63 -9.24	80.72 -1.99 -9.10	77.88 -2.42 -9.20	76.86 -2.56 -8.39	76.97 -2.34 -8.36
RUSSELL___STATION 23914	76.94 -2.68 -8.98	72.43 -2.52 -8.76	64.20 -2.17 -9.16	64.05 -2.02 -8.45	69.15 -2.25 -8.81	77.36 -2.34 -8.89	80.90 -1.42 -11.23	84.79 -2.06 -15.83	79.97 -2.56 -11.51	79.28 -1.99 -10.31	77.99 -2.14 -8.89	76.16 -2.56 -7.62	75.76 -2.63 -7.29	74.96 -2.98 -6.99	74.83 -3.05 -7.00	76.97 -2.35 -8.15	75.82 -2.21 -6.86	103.84 -2.03 -9.05	104.19 -2.25 -8.73	81.83 -1.63 -9.24	80.72 -1.99 -9.10	77.88 -2.42 -9.20	76.86 -2.56 -8.39	76.97 -2.34 -8.36
S SALMON___HYD 24043	74.83 -0.84 -5.02	70.16 -0.93 -4.90	61.54 -0.80 -5.12	61.59 -0.75 -4.73	66.77 -0.75 -4.93	74.93 -0.85 -4.97	76.96 -0.42 -6.28	79.53 -0.35 -8.86	75.81 -0.57 -5.36	76.11 -0.57 -5.73	75.98 -0.21 -4.95	74.92 -0.42 -4.25	74.75 -0.42 -4.08	74.37 -0.49 -3.91	74.26 -0.49 -3.87	75.23 -0.42 -4.49	74.51 -0.49 -3.84	97.89 -0.29 -1.36	99.57 -0.10 -1.96	77.74 -0.22 -3.74	77.34 -0.22 -3.96	75.89 -0.35 -5.15	75.08 -0.64 -4.70	75.14 -0.49 -4.68
S.PERRY__115KV_TB1 80734	82.23 -1.13 -12.71	77.40 -1.19 -12.40	69.16 -1.03 -12.97	68.72 -0.86 -11.97	74.13 -0.94 -12.47	82.68 -0.71 -12.59	87.57 0.57 -15.90	93.45 0.00 -22.42	86.56 -0.64 -16.18	85.27 -0.28 -14.60	83.04 -0.78 -12.59	80.46 -1.42 -10.79	79.86 -1.56 -10.33	78.87 -1.99 -9.90	78.88 -1.91 -9.91	81.79 -0.93 -11.55	80.53 -0.36 -9.72	110.96 1.16 -12.98	111.27 1.07 -12.49	88.18 0.74 -13.22	86.91 0.29 -13.01	83.71 -0.43 -13.03	82.13 -0.78 -11.89	82.23 -0.57 -11.84
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	75.86 -6.36 -11.57	71.52 -5.96 -11.29	63.99 -5.04 -11.80	63.66 -4.84 -10.89	68.44 -5.51 -11.35	76.31 -5.95 -11.45	80.31 -5.26 -14.47	84.75 -6.68 -20.41	77.98 -7.32 -14.27	77.86 -6.39 -13.29	75.86 -6.84 -11.45	73.66 -7.25 -9.82	73.10 -7.39 -9.40	72.30 -7.66 -9.01	72.18 -7.73 -9.02	74.77 -6.90 -10.51	73.39 -6.62 -8.84	100.75 -7.84 -11.78	100.93 -8.11 -11.34	80.21 -6.01 -12.00	78.72 -6.70 -11.81	75.99 -6.97 -11.86	75.02 -6.82 -10.82	75.84 -5.89 -10.78



SAWYER___23_KV_LOAD 55526	75.86 -6.36 -11.57	71.52 -5.96 -11.29	63.99 -5.04 -11.80	63.66 -4.84 -10.89	68.44 -5.51 -11.35	76.31 -5.95 -11.45	80.31 -5.26 -14.47	84.75 -6.68 -20.41	77.98 -7.32 -14.27	77.86 -6.39 -13.29	75.86 -6.84 -11.45	73.66 -7.25 -9.82	73.10 -7.39 -9.40	72.30 -7.66 -9.01	72.18 -7.73 -9.02	74.77 -6.90 -10.51	73.39 -6.62 -8.84	100.75 -7.84 -11.78	100.93 -8.11 -11.34	80.21 -6.01 -12.00	78.72 -6.70 -11.81	75.99 -6.97 -11.86	75.02 -6.82 -10.82	75.84 -5.89 -10.78
SELKIRK___I 23801	160.41 2.97 -86.79	153.64 2.78 -84.67	148.17 2.40 -88.55	141.78 2.48 -81.70	150.18 2.44 -85.15	159.56 2.84 -85.91	182.51 2.85 -108.57	226.73 2.63 -153.08	195.44 2.70 -121.72	172.48 2.63 -98.90	159.35 2.71 -85.40	147.18 2.70 -73.38	144.43 2.85 -70.49	141.32 2.76 -67.60	140.17 2.48 -66.81	151.11 2.63 -77.31	170.62 2.49 -96.96	180.49 3.77 -79.90	194.69 3.51 -93.47	172.37 2.67 -95.48	176.24 2.65 -99.99	162.57 2.49 -88.98	154.95 2.77 -81.16	154.50 2.70 -80.85
SELKIRK___II 23799	161.32 2.75 -87.92	154.54 2.58 -85.77	149.14 2.23 -89.70	142.67 2.31 -82.75	151.10 2.25 -86.25	160.38 2.55 -87.03	183.70 2.63 -109.97	228.57 2.48 -155.06	197.99 2.63 -124.34	173.66 2.63 -100.09	160.39 2.71 -86.44	148.17 2.77 -74.30	145.41 2.92 -71.40	142.34 2.91 -68.48	140.93 2.48 -67.57	151.79 2.49 -78.13	172.01 2.42 -98.42	180.08 3.58 -79.68	196.49 3.32 -95.46	173.88 2.53 -97.14	178.45 2.43 -102.42	163.57 2.34 -90.14	155.79 2.55 -82.22	155.33 2.48 -81.90
SENECA OSWGO___HYD 24041	74.48 -1.70 -5.53	69.86 -1.72 -5.39	61.37 -1.49 -5.64	61.38 -1.44 -5.20	66.46 -1.56 -5.42	74.72 -1.56 -5.47	76.80 -1.21 -6.92	79.50 -1.28 -9.75	75.50 -1.42 -5.90	75.76 -1.49 -6.31	75.33 -1.36 -5.44	74.35 -1.42 -4.68	74.09 -1.50 -4.49	73.70 -1.56 -4.31	73.58 -1.56 -4.26	74.75 -1.35 -4.94	74.04 -1.35 -4.23	98.61 -1.45 -3.24	100.21 -1.46 -3.96	77.15 -1.19 -4.12	76.71 -1.25 -4.36	75.27 -1.50 -5.67	74.56 -1.63 -5.17	74.61 -1.49 -5.15
SENECA___115KV_TB3 355854	76.87 -5.86 -12.08	72.41 -5.56 -11.78	64.79 -4.75 -12.32	64.43 -4.55 -11.37	69.25 -5.20 -11.85	77.24 -5.52 -11.96	81.37 -4.83 -15.11	86.22 -6.11 -21.31	79.34 -6.68 -14.99	78.94 -5.89 -13.88	76.93 -6.27 -11.96	74.59 -6.75 -10.25	74.08 -6.83 -9.81	73.27 -7.10 -9.41	73.07 -7.23 -9.42	75.81 -6.33 -10.97	74.35 -6.05 -9.23	102.06 -7.07 -12.31	102.23 -7.33 -11.85	81.35 -5.42 -12.54	79.77 -6.18 -12.34	77.01 -6.47 -12.39	76.00 -6.32 -11.30	76.88 -5.32 -11.25
SENECA___ENERGY 23797	79.56 -1.06 -9.97	74.73 -1.19 -9.73	66.36 -1.03 -10.17	66.13 -0.86 -9.38	71.44 -0.94 -9.78	79.97 -0.71 -9.87	83.50 -0.07 -12.47	88.18 -0.42 -17.58	83.07 -0.71 -12.76	81.48 -0.92 -11.45	80.62 -0.50 -9.87	78.71 -0.85 -8.46	78.20 -1.00 -8.10	77.51 -1.21 -7.77	77.45 -1.21 -7.77	79.51 -0.71 -9.05	81.22 -0.64 -10.70	107.03 0.10 -10.12	107.46 0.00 -9.75	84.47 -0.07 -10.32	83.47 -0.29 -10.16	80.47 -0.85 -10.22	79.35 -0.99 -9.32	79.46 -0.78 -9.29
SHOEMAKER___GT 23640	137.02 4.53 -61.84	130.56 4.04 -60.33	123.74 3.43 -63.09	119.22 3.40 -58.21	127.02 3.76 -60.67	136.49 4.46 -61.22	153.01 4.55 -77.36	184.93 4.83 -109.07	154.79 4.97 -78.80	148.25 4.89 -72.40	138.40 5.06 -62.10	129.01 4.98 -52.94	126.22 4.90 -50.22	124.01 4.89 -48.17	125.39 4.82 -49.69	134.93 4.98 -58.78	155.57 5.13 -79.28	200.50 7.16 -96.51	170.14 7.23 -65.20	153.50 5.49 -73.78	141.68 5.45 -62.63	139.55 5.05 -63.40	133.82 4.97 -57.83	133.38 4.83 -57.61
SHOEMAKR_138KV_BK 111 55601	136.68 4.59 -61.44	130.16 4.04 -59.93	123.38 3.49 -62.68	118.90 3.46 -57.83	126.62 3.76 -60.27	136.01 4.39 -60.81	152.42 4.48 -76.85	184.20 4.83 -108.35	154.27 4.97 -78.28	147.98 5.11 -71.92	138.06 5.13 -61.69	128.66 4.98 -52.59	125.82 4.83 -49.89	123.63 4.82 -47.85	125.13 4.89 -49.35	134.60 5.05 -58.38	123.31 5.20 -46.95	199.65 7.16 -95.66	169.68 7.23 -64.74	152.95 5.49 -73.23	141.20 5.37 -62.22	139.13 5.05 -62.98	133.44 4.97 -57.45	132.93 4.75 -57.23
SHOREHAM_IC_1 23715	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.88 6.51 -63.76	136.30 7.26 -66.45	146.78 8.92 -67.05	163.44 7.61 -84.73	199.08 8.59 -119.47	165.67 8.38 -86.27	158.62 8.23 -79.44	147.68 8.19 -68.24	145.38 8.53 -65.75	144.60 8.24 -65.26	145.87 8.87 -66.05	148.71 8.93 -68.90	151.23 9.18 -70.88	179.04 9.39 -98.48	219.39 13.45 -109.11	205.15 13.58 -93.87	200.07 10.02 -115.83	164.94 9.87 -81.46	159.04 9.74 -78.20	146.59 9.80 -65.76	149.87 10.43 -68.48
SHOREHAM_IC_2 23716	147.78 9.40 -67.74	140.74 8.47 -66.08	133.53 7.21 -69.11	127.88 6.51 -63.76	136.30 7.26 -66.45	146.78 8.92 -67.05	163.44 7.61 -84.73	199.08 8.59 -119.47	165.67 8.38 -86.27	158.62 8.23 -79.44	147.68 8.19 -68.24	145.38 8.53 -65.75	144.60 8.24 -65.26	145.87 8.87 -66.05	148.71 8.93 -68.90	151.23 9.18 -70.88	179.04 9.39 -98.48	219.39 13.45 -109.11	205.15 13.58 -93.87	200.07 10.02 -115.83	164.94 9.87 -81.46	159.04 9.74 -78.20	146.59 9.80 -65.76	149.87 10.43 -68.48
SISSONVILLE____ 23735	67.61 -3.04 0.00	63.48 -2.71 0.00	54.93 -2.29 0.00	55.19 -2.42 0.00	60.03 -2.57 0.00	67.69 -3.12 0.00	67.83 -3.27 0.00	67.97 -3.05 0.00	67.82 -3.20 0.00	67.33 -3.62 0.00	67.61 -3.63 0.00	67.47 -3.63 0.00	67.68 -3.41 0.00	67.76 -3.19 0.00	67.69 -3.19 0.00	67.61 -3.56 0.00	67.47 -3.70 0.00	72.76 -6.39 17.67	73.07 -6.35 18.29	69.33 -4.90 0.00	69.63 -3.97 0.00	67.61 -3.48 0.00	67.61 -3.41 0.00	67.83 -3.12 0.00
SITHE_IND_GS1 24169	72.02 -2.68 -4.06	67.57 -2.58 -3.96	59.13 -2.23 -4.14	59.24 -2.19 -3.82	64.20 -2.38 -3.98	72.20 -2.62 -4.02	73.83 -2.34 -5.08	75.76 -2.41 -7.16	72.82 -2.55 -4.35	72.96 -2.62 -4.63	72.74 -2.50 -4.00	71.97 -2.56 -3.43	71.84 -2.56 -3.30	71.49 -2.62 -3.16	71.39 -2.62 -3.13	72.30 -2.49 -3.62	71.78 -2.49 -3.10	96.09 -3.10 -2.38	97.49 -3.13 -2.91	74.80 -2.45 -3.02	74.30 -2.50 -3.20	72.70 -2.56 -4.16	72.19 -2.63 -3.80	72.18 -2.55 -3.78
SITHE_IND_GS2 24170	72.02 -2.68 -4.06	67.57 -2.58 -3.96	59.13 -2.23 -4.14	59.24 -2.19 -3.82	64.20 -2.38 -3.98	72.20 -2.62 -4.02	73.83 -2.34 -5.08	75.76 -2.41 -7.16	72.82 -2.55 -4.35	72.96 -2.62 -4.63	72.74 -2.50 -4.00	71.97 -2.56 -3.43	71.84 -2.56 -3.30	71.49 -2.62 -3.16	71.39 -2.62 -3.13	72.30 -2.49 -3.62	71.78 -2.49 -3.10	96.09 -3.10 -2.38	97.49 -3.13 -2.91	74.80 -2.45 -3.02	74.30 -2.50 -3.20	72.70 -2.56 -4.16	72.19 -2.63 -3.80	72.18 -2.55 -3.78
SITHE_IND_GS3 24171	72.02 -2.68 -4.06	67.57 -2.58 -3.96	59.13 -2.23 -4.14	59.24 -2.19 -3.82	64.20 -2.38 -3.98	72.20 -2.62 -4.02	73.83 -2.34 -5.08	75.76 -2.41 -7.16	72.82 -2.55 -4.35	72.96 -2.62 -4.63	72.74 -2.50 -4.00	71.97 -2.56 -3.43	71.84 -2.56 -3.30	71.49 -2.62 -3.16	71.39 -2.62 -3.13	72.30 -2.49 -3.62	71.78 -2.49 -3.10	96.09 -3.10 -2.38	97.49 -3.13 -2.91	74.80 -2.45 -3.02	74.30 -2.50 -3.20	72.70 -2.56 -4.16	72.19 -2.63 -3.80	72.18 -2.55 -3.78
SITHE_IND_GS4 24172	72.02 -2.68 -4.06	67.57 -2.58 -3.96	59.13 -2.23 -4.14	59.24 -2.19 -3.82	64.20 -2.38 -3.98	72.20 -2.62 -4.02	73.83 -2.34 -5.08	75.76 -2.41 -7.16	72.82 -2.55 -4.35	72.96 -2.62 -4.63	72.74 -2.50 -4.00	71.97 -2.56 -3.43	71.84 -2.56 -3.30	71.49 -2.62 -3.16	71.39 -2.62 -3.13	72.30 -2.49 -3.62	71.78 -2.49 -3.10	96.09 -3.10 -2.38	97.49 -3.13 -2.91	74.80 -2.45 -3.02	74.30 -2.50 -3.20	72.70 -2.56 -4.16	72.19 -2.63 -3.80	72.18 -2.55 -3.78



SITHE___BATAVIA 24024	76.58 -4.38 -10.31	72.21 -4.04 -10.06	64.31 -3.43 -10.52	64.15 -3.17 -9.71	69.15 -3.57 -10.12	77.12 -3.89 -10.21	81.22 -2.77 -12.90	85.16 -4.05 -18.19	79.18 -4.76 -12.92	77.62 -5.18 -11.85	77.18 -4.27 -10.21	74.94 -4.90 -8.75	74.43 -5.05 -8.38	73.59 -5.40 -8.03	73.46 -5.46 -8.04	75.98 -4.56 -9.37	77.87 -4.34 -11.05	103.21 -4.06 -10.45	103.29 -4.49 -10.07	81.25 -3.64 -10.66	80.20 -3.90 -10.50	77.05 -4.62 -10.57	76.19 -4.47 -9.64	76.66 -3.90 -9.61
SITHE___INDEPEND 23800	72.02 -2.68 -4.06	67.57 -2.58 -3.96	59.13 -2.23 -4.14	59.24 -2.19 -3.82	64.20 -2.38 -3.98	72.20 -2.62 -4.02	73.83 -2.35 -5.08	75.84 -2.34 -7.16	72.81 -2.56 -4.35	73.17 -2.41 -4.63	72.82 -2.42 -4.00	71.97 -2.56 -3.43	71.83 -2.56 -3.30	71.49 -2.63 -3.16	71.39 -2.62 -3.13	72.30 -2.49 -3.62	71.85 -2.42 -3.10	96.10 -3.10 -2.38	97.49 -3.13 -2.91	74.87 -2.38 -3.02	74.37 -2.43 -3.20	72.70 -2.56 -4.16	72.19 -2.63 -3.80	72.11 -2.63 -3.78
SITHE___MASSENA 23902	69.24 -1.41 0.00	65.06 -1.13 0.00	56.24 -0.97 0.00	56.52 -1.10 0.00	61.40 -1.19 0.00	69.25 -1.56 0.00	69.25 -1.85 0.00	69.32 -1.71 0.00	69.25 -1.77 0.00	69.18 -1.77 0.00	69.03 -2.21 0.00	69.03 -2.06 0.00	69.11 -1.99 0.00	69.18 -1.77 0.00	69.18 -1.70 0.00	69.10 -2.07 0.00	69.03 -2.13 0.00	71.17 -4.26 21.39	71.17 -4.39 22.15	71.33 -2.90 0.00	71.18 -2.43 0.00	69.18 -1.92 0.00	69.17 -1.85 0.00	69.32 -1.63 0.00
SITHE___OGDNSBRG 24021	69.73 -0.92 0.00	65.46 -0.73 0.00	56.59 -0.63 0.00	56.86 -0.75 0.00	61.84 -0.75 0.00	69.81 -0.99 0.00	69.89 -1.21 0.00	70.03 -0.99 0.00	69.88 -1.14 0.00	69.25 -1.70 0.00	69.46 -1.78 0.00	69.39 -1.71 0.00	69.60 -1.49 0.00	69.60 -1.35 0.00	69.61 -1.28 0.00	69.60 -1.57 0.00	69.53 -1.64 0.00	74.22 -3.49 19.11	74.50 -3.42 19.79	71.63 -2.60 0.00	71.84 -1.77 0.00	69.68 -1.42 0.00	69.74 -1.28 0.00	69.89 -1.06 0.00
SITHE___STERLING 23777	77.45 2.47 -4.33	72.53 2.12 -4.22	63.46 1.83 -4.41	63.58 1.90 -4.07	68.97 2.13 -4.24	77.85 2.76 -4.28	79.78 3.27 -5.41	81.92 3.27 -7.63	78.76 3.12 -4.62	78.87 2.98 -4.94	78.63 3.13 -4.26	77.67 2.92 -3.66	77.53 2.92 -3.51	77.02 2.70 -3.37	76.91 2.69 -3.34	78.09 3.06 -3.86	77.53 3.06 -3.31	103.81 4.46 -2.53	105.50 4.69 -3.10	80.86 3.42 -3.22	80.25 3.24 -3.41	78.30 2.77 -4.44	77.62 2.55 -4.05	77.46 2.48 -4.03
SLEIGHT__34_KV_TB1 80719	77.59 -1.98 -8.92	72.97 -1.92 -8.70	64.66 -1.66 -9.10	64.45 -1.56 -8.40	69.65 -1.69 -8.75	78.08 -1.56 -8.83	81.47 -0.78 -11.16	85.62 -1.14 -15.73	80.96 -1.49 -11.43	80.13 -1.06 -10.25	78.86 -1.21 -8.83	77.10 -1.56 -7.57	76.71 -1.64 -7.24	76.05 -1.91 -6.95	75.92 -1.35 -6.95	77.91 -1.35 -8.10	76.63 -1.35 -6.82	104.95 -0.87 -9.00	105.31 -1.07 -8.68	82.59 -0.82 -9.19	81.55 -1.10 -9.05	78.68 -1.56 -9.14	77.59 -1.78 -8.34	77.63 -1.63 -8.31
SOUTH CAIRO___GT 23612	159.17 5.37 -83.15	152.14 4.83 -81.12	146.17 4.12 -84.83	140.15 4.26 -78.27	148.43 4.26 -81.58	158.36 5.24 -82.31	180.73 5.62 -104.01	223.01 5.33 -146.66	193.28 5.40 -116.86	170.90 4.82 -95.12	157.57 4.27 -82.06	145.58 4.05 -70.43	142.89 4.27 -67.53	139.90 4.19 -64.77	138.90 3.61 -64.40	149.99 4.06 -74.77	139.69 4.98 -63.55	190.74 7.94 -85.98	195.85 6.94 -91.20	173.97 5.27 -94.48	174.91 5.23 -96.07	161.04 4.69 -85.25	153.61 4.83 -77.76	153.16 4.75 -77.46
SOUTH HAMPTN___IC 23720	148.20 9.82 -67.74	141.14 8.87 -66.08	133.87 7.55 -69.11	128.17 6.80 -63.76	136.62 7.57 -66.45	147.20 9.35 -67.05	164.00 8.17 -84.73	199.72 9.23 -119.47	166.24 8.95 -86.27	159.19 8.80 -79.44	148.18 8.69 -68.24	145.81 8.96 -65.75	145.03 8.67 -65.26	146.22 9.22 -66.05	149.07 9.28 -68.90	151.58 9.54 -70.88	179.47 9.82 -98.48	220.17 14.24 -109.11	205.84 14.27 -93.87	200.59 10.54 -115.83	165.37 10.30 -81.46	159.38 10.09 -78.19	146.94 10.16 -65.76	150.21 10.78 -68.48
SOUTHDOW_115KV_TB1 355954	79.78 -3.89 -13.01	75.11 -3.77 -12.69	67.29 -3.20 -13.28	66.81 -3.05 -12.25	71.85 -3.51 -12.77	80.29 -3.40 -12.88	84.96 -2.42 -16.28	90.56 -3.41 -22.95	83.29 -3.98 -16.25	82.64 -3.26 -14.95	80.56 -3.56 -12.88	78.09 -4.05 -11.04	77.40 -4.27 -10.57	76.47 -4.61 -10.14	76.35 -4.68 -10.15	79.29 -3.70 -11.82	77.62 -3.49 -9.94	106.72 -3.39 -13.29	106.88 -3.62 -12.79	85.23 -2.52 -13.53	83.47 -3.46 -13.32	80.53 -3.91 -13.34	79.21 -3.98 -12.17	80.23 -2.84 -12.12
SOUTHOLD_69_KV_BK 2 55809	148.56 10.17 -67.74	141.47 9.20 -66.08	134.16 7.84 -69.11	128.46 7.09 -63.76	136.93 7.89 -66.45	147.49 9.63 -67.05	164.50 8.67 -84.73	200.22 9.73 -119.47	166.74 9.45 -86.27	159.90 9.51 -79.44	148.61 9.12 -68.24	145.88 9.03 -65.75	144.89 8.53 -65.26	146.09 9.08 -66.05	149.14 9.36 -68.90	151.72 9.68 -70.88	143.38 10.11 -62.11	220.65 14.72 -109.11	206.33 14.75 -93.87	200.89 10.84 -115.83	165.52 10.45 -81.46	159.52 10.24 -78.19	147.01 10.23 -65.76	150.50 11.07 -68.48
SOUTHOLD___IC 23719	148.49 10.10 -67.74	141.40 9.14 -66.08	134.10 7.78 -69.11	128.40 7.03 -63.76	136.87 7.82 -66.45	147.48 9.63 -67.05	164.50 8.67 -84.73	200.22 9.73 -119.47	166.74 9.45 -86.27	159.55 9.16 -79.44	148.25 8.76 -68.24	145.81 8.96 -65.75	145.03 8.67 -65.26	146.16 9.16 -66.05	149.14 9.36 -68.90	151.72 9.68 -70.88	179.68 10.04 -98.48	220.55 14.62 -109.11	206.33 14.75 -93.87	200.81 10.76 -115.83	165.51 10.45 -81.46	159.53 10.24 -78.19	147.01 10.23 -65.76	150.57 11.14 -68.48
SOUTH_FORK_WT_PWR 323839	147.92 9.53 -67.74	140.81 8.54 -66.08	133.65 7.33 -69.11	127.88 6.51 -63.76	136.30 7.26 -66.45	146.85 8.99 -67.05	163.86 8.03 -84.73	199.58 9.09 -119.47	166.10 8.80 -86.27	158.98 8.58 -79.44	147.39 7.91 -68.24	145.02 8.17 -65.75	144.18 7.82 -65.26	145.37 8.37 -66.05	148.29 8.50 -68.90	150.87 8.82 -70.88	178.83 9.18 -98.48	219.30 13.37 -109.11	205.15 13.58 -93.87	199.92 9.87 -115.83	164.63 9.56 -81.46	158.67 9.38 -78.19	146.16 9.37 -65.76	149.93 10.50 -68.48
SPIERFLS_115KV_TB 1 80737	166.22 4.03 -91.54	159.26 3.77 -89.30	153.81 3.20 -93.39	147.01 3.23 -86.17	156.03 3.63 -89.81	165.74 4.32 -90.62	190.37 4.76 -114.51	237.31 4.83 -161.46	237.54 4.90 -161.62	180.02 4.75 -104.31	167.73 6.41 -90.07	154.68 6.19 -77.40	151.27 5.83 -74.34	148.00 5.75 -71.30	147.30 5.95 -70.46	159.12 6.40 -81.55	147.96 6.83 -69.96	226.81 9.49 -120.50	241.86 9.38 -134.77	218.24 7.13 -136.89	222.38 7.14 -141.63	171.49 6.54 -93.85	162.80 6.18 -85.60	162.11 5.89 -85.27
ST LAWRENCE____ 23600	68.89 -1.76 0.00	64.73 -1.46 0.00	55.96 -1.26 0.00	56.23 -1.38 0.00	61.16 -1.44 0.00	68.96 -1.84 0.00	68.82 -2.28 0.00	68.89 -2.13 0.00	68.89 -2.13 0.00	68.82 -2.13 0.00	68.75 -2.50 0.00	68.82 -2.28 0.00	68.82 -2.28 0.00	68.89 -2.06 0.00	68.82 -2.06 0.00	68.82 -2.35 0.00	68.75 -2.42 0.00	70.49 -3.97 22.36	70.55 -4.01 23.14	71.33 -2.90 0.00	70.96 -2.65 0.00	68.89 -2.20 0.00	68.89 -2.13 0.00	68.97 -1.99 0.00
STATE_CA_115KV_115_LB 55624	163.41 3.32 -89.44	156.61 3.18 -87.24	151.15 2.69 -91.24	144.62 2.82 -84.18	153.02 2.69 -87.74	162.31 2.97 -88.53	185.95 2.99 -111.87	231.74 2.98 -157.74	214.70 3.12 -140.55	176.02 3.19 -101.87	162.35 3.13 -87.98	149.90 3.20 -75.61	147.35 3.63 -72.63	144.16 3.55 -69.66	142.52 2.84 -68.80	153.47 2.70 -79.60	142.08 2.56 -68.35	198.44 3.68 -97.94	213.88 3.52 -112.65	191.48 2.67 -114.59	195.75 2.65 -119.49	165.42 2.63 -91.69	157.64 2.98 -83.63	157.17 2.91 -83.31



STATE_ST_34_KV_LOAD 55959	80.83 0.28 -9.89	75.91 0.07 -9.65	67.37 0.06 -10.09	67.10 0.17 -9.31	72.49 0.19 -9.71	81.24 0.64 -9.79	84.68 1.21 -12.38	89.61 1.14 -17.45	84.63 0.92 -12.68	83.45 1.14 -11.36	82.03 1.00 -9.79	80.27 0.78 -8.40	79.84 0.71 -8.03	79.15 0.50 -7.71	79.09 0.50 -7.71	81.08 0.93 -8.99	79.72 1.00 -7.56	108.91 2.03 -10.05	109.45 2.05 -9.69	86.04 1.56 -10.25	84.96 1.25 -10.10	82.02 0.78 -10.14	80.77 0.50 -9.25	80.74 0.57 -9.22
STATION_5_MISC_HYD 23604	76.59 -3.04 -8.98	72.17 -2.78 -8.76	63.97 -2.40 -9.16	63.87 -2.19 -8.45	68.96 -2.44 -8.81	77.07 -2.62 -8.89	80.48 -1.85 -11.23	84.15 -2.70 -15.83	79.40 -3.12 -11.50	77.93 -3.33 -10.31	77.49 -2.63 -8.89	75.66 -3.06 -7.62	75.19 -3.20 -7.29	74.47 -3.48 -6.99	74.34 -3.54 -7.00	76.40 -2.92 -8.15	77.97 -2.78 -9.58	103.35 -2.52 -9.05	103.51 -2.93 -8.73	81.16 -2.30 -9.24	80.20 -2.50 -9.10	77.32 -2.98 -9.20	76.44 -2.98 -8.39	76.62 -2.70 -8.36
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	78.26 -1.55 -9.16	73.60 -1.52 -8.94	65.25 -1.32 -9.35	65.03 -1.21 -8.62	70.33 -1.25 -8.99	78.74 -1.13 -9.07	82.27 -0.28 -11.46	86.47 -0.71 -16.16	81.68 -1.07 -11.72	80.76 -0.71 -10.52	79.46 -0.85 -9.07	77.66 -1.21 -7.77	77.19 -1.35 -7.44	76.46 -1.63 -7.14	76.39 -1.63 -7.14	78.42 -1.07 -8.32	77.24 -0.93 -7.00	105.78 -0.29 -9.25	106.23 -0.39 -8.92	83.36 -0.30 -9.44	82.24 -0.66 -9.29	79.35 -1.14 -9.39	78.24 -1.35 -8.57	78.28 -1.21 -8.53
STA_56_34_KV_BUS2_REV_LBMP_B 345033	76.32 -3.25 -8.92	71.84 -3.04 -8.70	63.68 -2.63 -9.10	63.53 -2.48 -8.39	68.65 -2.69 -8.75	76.80 -2.83 -8.83	80.19 -2.06 -11.15	84.05 -2.70 -15.73	79.39 -3.05 -11.42	78.64 -2.55 -10.24	77.36 -2.71 -8.83	75.54 -3.13 -7.57	75.14 -3.20 -7.24	74.42 -3.48 -6.95	74.29 -3.54 -6.95	76.35 -2.92 -8.10	75.13 -2.85 -6.81	103.00 -2.81 -8.99	103.35 -3.03 -8.67	81.10 -2.30 -9.17	79.99 -2.65 -9.04	77.18 -3.06 -9.14	76.16 -3.20 -8.34	76.35 -2.91 -8.31
STA_56___34_KV_BUS2 355983	76.32 -3.25 -8.92	71.84 -3.04 -8.70	63.68 -2.63 -9.10	63.53 -2.48 -8.39	68.65 -2.69 -8.75	76.80 -2.83 -8.83	80.19 -2.06 -11.15	84.05 -2.70 -15.73	79.39 -3.05 -11.42	78.64 -2.55 -10.24	77.36 -2.71 -8.83	75.54 -3.13 -7.57	75.14 -3.20 -7.24	74.42 -3.48 -6.95	74.29 -3.54 -6.95	76.35 -2.92 -8.10	75.13 -2.85 -6.81	103.00 -2.81 -8.99	103.35 -3.03 -8.67	81.10 -2.30 -9.17	79.99 -2.65 -9.04	77.18 -3.06 -9.14	76.16 -3.20 -8.34	76.35 -2.91 -8.31
STA_67___115KV_BK2 355882	76.44 -3.18 -8.97	71.96 -2.98 -8.75	63.85 -2.52 -9.15	63.69 -2.36 -8.44	68.76 -2.63 -8.80	76.92 -2.76 -8.88	80.32 -1.99 -11.22	84.14 -2.70 -15.81	79.39 -3.12 -11.49	78.70 -2.55 -10.30	77.34 -2.78 -8.88	75.58 -3.13 -7.61	75.11 -3.27 -7.28	74.39 -3.55 -6.98	74.26 -3.61 -6.99	76.32 -2.99 -8.14	75.17 -2.85 -6.85	103.05 -2.81 -9.04	103.40 -3.03 -8.72	81.15 -2.30 -9.23	80.05 -2.65 -9.09	77.23 -3.06 -9.19	76.28 -3.12 -8.38	76.47 -2.84 -8.35
STA_7___115KV_9TRANS 80674	76.94 -2.68 -8.98	72.43 -2.52 -8.76	64.20 -2.17 -9.16	64.05 -2.02 -8.45	69.15 -2.25 -8.81	77.36 -2.34 -8.89	80.90 -1.42 -11.23	84.79 -2.06 -15.83	79.97 -2.56 -11.51	79.28 -1.99 -10.31	77.99 -2.14 -8.89	76.16 -2.56 -7.62	75.76 -2.63 -7.29	74.96 -2.98 -6.99	74.83 -3.05 -7.00	76.97 -2.35 -8.15	75.82 -2.21 -6.86	103.84 -2.03 -9.05	104.19 -2.25 -8.73	81.83 -1.63 -9.24	80.72 -1.99 -9.10	77.88 -2.42 -9.20	76.86 -2.56 -8.39	76.97 -2.34 -8.36
STA_82___115KV_TB1 80780	76.57 -3.11 -9.02	72.08 -2.91 -8.80	63.91 -2.52 -9.21	63.75 -2.36 -8.49	68.82 -2.63 -8.85	76.98 -2.76 -8.93	80.39 -1.99 -11.29	84.31 -2.63 -15.92	79.45 -3.12 -11.56	78.83 -2.48 -10.37	77.47 -2.71 -8.93	75.63 -3.13 -7.66	75.23 -3.20 -7.33	74.50 -3.48 -7.03	74.37 -3.54 -7.03	76.44 -2.92 -8.20	75.29 -2.78 -6.90	103.11 -2.81 -9.10	103.46 -3.03 -8.78	81.21 -2.30 -9.29	80.11 -2.65 -9.15	77.36 -2.99 -9.25	76.34 -3.12 -8.44	76.52 -2.84 -8.41
STEEL___WIND 323596	76.73 -6.01 -12.08	72.35 -5.63 -11.78	64.79 -4.75 -12.32	64.55 -4.44 -11.37	69.31 -5.13 -11.85	77.17 -5.60 -11.96	81.30 -4.90 -15.11	85.94 -6.39 -21.31	79.05 -6.96 -14.99	77.45 -7.38 -13.88	76.72 -6.48 -11.96	74.38 -6.96 -10.25	73.87 -7.04 -9.81	73.05 -7.31 -9.41	72.86 -7.44 -9.42	75.59 -6.55 -10.97	77.83 -6.33 -13.00	101.97 -7.16 -12.31	102.04 -7.52 -11.85	80.98 -5.79 -12.54	79.69 -6.26 -12.34	76.73 -6.76 -12.39	75.86 -6.46 -11.30	76.81 -5.40 -11.25
STEPHTWN_115KV_BK_2 55603	163.01 3.96 -88.40	156.14 3.71 -86.24	150.55 3.15 -90.19	144.11 3.28 -83.21	152.45 3.13 -86.73	161.92 3.61 -87.51	185.37 3.70 -110.58	230.63 3.69 -155.92	205.11 3.84 -130.25	175.52 3.90 -100.67	161.96 3.78 -86.94	149.66 3.84 -74.72	147.08 4.19 -71.79	143.85 4.04 -68.86	142.19 3.33 -67.98	153.07 3.27 -78.63	141.93 3.20 -67.56	188.00 4.55 -86.63	203.90 4.40 -101.80	181.17 3.34 -103.60	185.58 3.31 -108.67	165.00 3.27 -90.63	157.31 3.62 -82.67	156.85 3.55 -82.35
STEUBEN_REC_LFGE 323667	82.60 -4.17 -16.11	77.67 -4.24 -15.72	70.05 -3.60 -16.44	69.32 -3.46 -15.17	74.52 -3.88 -15.81	82.93 -3.82 -15.95	88.20 -3.06 -20.16	95.82 -3.62 -28.42	87.37 -4.19 -20.54	85.56 -3.90 -18.51	82.92 -4.27 -15.95	80.08 -4.69 -13.67	79.28 -4.91 -13.09	78.25 -5.25 -12.55	78.27 -5.17 -12.56	81.54 -4.27 -14.64	79.71 -3.77 -12.31	109.51 -3.87 -16.56	109.71 -3.91 -15.91	88.32 -2.75 -16.84	86.86 -3.31 -16.57	83.78 -3.84 -16.52	82.04 -4.05 -15.07	82.56 -3.41 -15.01
STILLWATER___SOLAR 323814	166.59 4.87 -91.07	159.66 4.63 -88.84	154.13 4.00 -92.91	147.36 4.03 -85.72	156.38 4.44 -89.34	165.63 4.67 -90.15	189.99 4.98 -113.91	236.54 4.90 -160.62	234.88 4.90 -158.97	179.43 4.68 -103.79	165.56 4.70 -89.62	152.66 4.55 -77.01	149.39 4.34 -73.96	146.14 4.26 -70.93	145.54 4.54 -70.12	157.17 4.84 -81.16	212.24 5.13 -135.95	222.15 6.97 -118.36	237.00 7.13 -132.17	213.91 5.35 -134.34	217.90 5.37 -138.92	169.86 5.40 -93.37	161.44 5.26 -85.16	160.82 5.04 -84.83
STONY___BROOK 24151	147.71 9.33 -67.74	140.67 8.41 -66.08	133.47 7.15 -69.11	127.82 6.45 -63.76	136.24 7.20 -66.45	146.63 8.78 -67.05	163.44 7.61 -84.73	198.94 8.45 -119.47	165.67 8.38 -86.27	158.76 8.37 -79.44	148.61 9.12 -68.24	146.44 9.59 -65.75	145.67 9.31 -65.26	146.44 9.44 -66.05	149.14 9.36 -68.90	151.58 9.54 -70.88	179.04 9.39 -98.48	219.67 13.74 -109.11	205.44 13.87 -93.87	200.14 10.09 -115.83	164.95 9.87 -81.47	159.19 9.88 -78.21	147.08 10.29 -65.76	149.79 10.36 -68.48
STURGEON_POOL_HYD 23609	148.46 8.41 -69.41	141.31 7.41 -67.71	134.38 6.35 -70.81	129.28 6.34 -65.33	137.63 6.95 -68.09	147.79 8.28 -68.70	166.66 8.74 -86.82	202.53 9.09 -122.41	171.57 9.30 -91.25	160.83 9.15 -80.73	149.43 8.83 -69.35	138.86 8.53 -59.23	135.64 8.18 -56.36	133.17 8.16 -54.06	134.23 8.15 -55.20	144.81 8.68 -64.96	133.74 9.54 -53.04	207.66 12.68 -98.16	185.25 13.29 -74.25	166.24 10.09 -81.92	156.89 9.94 -73.34	151.35 9.10 -71.16	144.66 8.74 -64.90	144.12 8.51 -64.65
ST_LAW_115_BK7_LBMP 345037	68.81 -1.84 0.00	64.67 -1.52 0.00	55.90 -1.31 0.00	56.18 -1.44 0.00	61.03 -1.56 0.00	68.82 -1.98 0.00	68.68 -2.42 0.00	68.75 -2.28 0.00	68.75 -2.28 0.00	68.75 -2.20 0.00	68.61 -2.63 0.00	68.68 -2.42 0.00	68.75 -2.34 0.00	68.75 -2.20 0.00	68.76 -2.12 0.00	68.67 -2.49 0.00	68.67 -2.49 0.00	70.40 -4.26 22.16	70.47 -4.30 22.94	71.18 -3.05 0.00	70.81 -2.80 0.00	68.75 -2.34 0.00	68.75 -2.28 0.00	68.82 -2.13 0.00



ST_LAW_115_BK8_LBMP 345038	68.81 -1.84 0.00	64.67 -1.52 0.00	55.90 -1.31 0.00	56.18 -1.44 0.00	61.03 -1.56 0.00	68.82 -1.98 0.00	68.68 -2.42 0.00	68.75 -2.28 0.00	68.75 -2.28 0.00	68.75 -2.20 0.00	68.61 -2.63 0.00	68.68 -2.42 0.00	68.75 -2.34 0.00	68.75 -2.20 0.00	68.76 -2.12 0.00	68.67 -2.49 0.00	68.67 -2.49 0.00	70.40 -4.26 22.16	70.47 -4.30 22.94	71.18 -3.05 0.00	70.81 -2.80 0.00	68.75 -2.34 0.00	68.75 -2.28 0.00	68.82 -2.13 0.00
ST_LAW_230_BK5_LBMP 345035	68.89 -1.76 0.00	64.73 -1.46 0.00	55.96 -1.26 0.00	56.23 -1.38 0.00	61.16 -1.44 0.00	68.96 -1.84 0.00	68.82 -2.28 0.00	68.89 -2.13 0.00	68.89 -2.13 0.00	68.82 -2.13 0.00	68.75 -2.50 0.00	68.82 -2.28 0.00	68.82 -2.28 0.00	68.89 -2.06 0.00	68.82 -2.06 0.00	68.82 -2.35 0.00	68.75 -2.42 0.00	70.22 -3.97 22.63	70.27 -4.01 23.42	71.33 -2.90 0.00	70.96 -2.65 0.00	68.89 -2.20 0.00	68.89 -2.13 0.00	68.97 -1.99 0.00
ST_LAW_230_BK6_LBMP 345036	68.89 -1.76 0.00	64.73 -1.46 0.00	55.96 -1.26 0.00	56.23 -1.38 0.00	61.16 -1.44 0.00	68.96 -1.84 0.00	68.82 -2.28 0.00	68.89 -2.13 0.00	68.89 -2.13 0.00	68.82 -2.13 0.00	68.75 -2.50 0.00	68.82 -2.28 0.00	68.82 -2.28 0.00	68.89 -2.06 0.00	68.82 -2.06 0.00	68.82 -2.35 0.00	68.75 -2.42 0.00	70.22 -3.97 22.63	70.27 -4.01 23.42	71.33 -2.90 0.00	70.96 -2.65 0.00	68.89 -2.20 0.00	68.89 -2.13 0.00	68.97 -1.99 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	138.87 5.02 -63.20	132.35 4.50 -61.66	125.53 3.83 -64.48	120.91 3.80 -59.49	128.73 4.13 -62.01	138.18 4.81 -62.56	155.06 4.91 -79.06	187.82 5.33 -111.47	157.10 5.54 -80.54	150.65 5.68 -74.03	140.43 5.70 -63.49	130.83 5.62 -54.11	127.83 5.40 -51.33	125.57 5.39 -49.23	127.15 5.46 -50.81	136.92 5.62 -60.13	125.16 5.69 -48.30	204.02 7.84 -99.36	172.46 8.01 -66.75	155.93 6.09 -75.62	143.50 5.89 -64.01	141.51 5.62 -64.80	135.66 5.54 -59.10	135.08 5.25 -58.87
SWANROAD_115KV_TB1 355699	73.82 -7.98 -11.15	69.65 -7.41 -10.88	62.24 -6.35 -11.38	62.00 -6.11 -10.50	66.65 -6.89 -10.94	74.34 -7.51 -11.04	78.15 -6.90 -13.95	82.31 -8.38 -19.67	75.79 -9.02 -13.79	75.67 -8.09 -12.81	73.73 -8.55 -11.04	71.53 -9.03 -9.46	71.05 -9.10 -9.06	70.20 -9.44 -8.68	70.08 -9.50 -8.69	72.68 -8.61 -10.13	71.29 -8.40 -8.52	97.89 -10.26 -11.34	98.07 -10.55 -10.92	77.91 -7.87 -11.55	76.44 -8.54 -11.37	73.78 -8.74 -11.43	72.93 -8.52 -10.43	73.82 -7.52 -10.39
SYNERGY___BIOGAS 323694	76.58 -4.38 -10.31	72.21 -4.04 -10.06	64.31 -3.43 -10.52	64.15 -3.17 -9.71	69.15 -3.57 -10.12	77.12 -3.89 -10.21	81.22 -2.77 -12.90	85.16 -4.05 -18.19	79.18 -4.76 -12.92	77.62 -5.18 -11.85	77.18 -4.27 -10.21	74.94 -4.90 -8.75	74.43 -5.05 -8.38	73.59 -5.40 -8.03	73.46 -5.46 -8.04	75.98 -4.56 -9.37	77.87 -4.34 -11.05	103.21 -4.06 -10.45	103.29 -4.49 -10.07	81.25 -3.64 -10.66	80.20 -3.90 -10.50	77.05 -4.62 -10.57	76.19 -4.47 -9.64	76.66 -3.90 -9.61
SYRACUSE___ENERGY_ST1 323597	78.52 -0.14 -8.01	73.67 -0.33 -7.81	65.16 -0.23 -8.17	64.98 -0.17 -7.54	70.26 -0.19 -7.86	78.80 0.07 -7.93	81.61 0.50 -10.02	85.57 0.43 -14.13	79.86 0.28 -8.55	80.65 0.50 -9.20	79.53 0.36 -7.93	78.18 0.28 -6.80	77.81 0.21 -6.50	77.26 0.07 -6.24	77.20 0.07 -6.24	78.79 0.36 -7.27	77.64 0.36 -6.12	103.94 0.87 -6.25	104.56 0.88 -5.98	81.40 0.74 -6.43	80.43 0.52 -6.31	79.52 0.21 -8.21	78.51 0.00 -7.49	78.41 0.00 -7.46
SYRACUSE___ENERGY_ST2 323598	78.52 -0.14 -8.01	73.67 -0.33 -7.81	65.16 -0.23 -8.17	64.98 -0.17 -7.54	70.26 -0.19 -7.86	78.80 0.07 -7.93	81.61 0.50 -10.02	85.57 0.43 -14.13	79.86 0.28 -8.55	80.65 0.50 -9.20	79.53 0.36 -7.93	78.18 0.28 -6.80	77.81 0.21 -6.50	77.26 0.07 -6.24	77.20 0.07 -6.24	78.79 0.36 -7.27	77.64 0.36 -6.12	103.94 0.87 -6.25	104.56 0.88 -5.98	81.40 0.74 -6.43	80.43 0.52 -6.31	79.52 0.21 -8.21	78.51 0.00 -7.49	78.41 0.00 -7.46
SYRACUSE___POWER 24017	78.37 -0.42 -8.15	73.61 -0.53 -7.95	65.07 -0.46 -8.31	64.88 -0.40 -7.67	70.15 -0.44 -7.99	78.66 -0.21 -8.06	81.50 0.21 -10.19	85.60 0.21 -14.37	79.79 0.07 -8.70	80.59 0.28 -9.36	79.45 0.14 -8.06	78.08 0.07 -6.91	77.71 0.00 -6.62	77.15 -0.14 -6.34	77.09 -0.14 -6.35	78.71 0.14 -7.40	77.53 0.14 -6.23	103.76 0.58 -6.36	104.37 0.59 -6.08	81.21 0.45 -6.54	80.32 0.29 -6.42	79.45 0.00 -8.35	78.42 -0.21 -7.62	78.33 -0.21 -7.59
TALLMAN___138KV_BK151 55660	140.92 5.37 -64.90	134.27 4.77 -63.31	127.49 4.06 -66.22	122.74 4.03 -61.09	130.65 4.38 -63.67	140.15 5.10 -64.25	157.47 5.19 -81.18	191.24 5.75 -114.47	159.67 5.97 -82.68	153.11 6.10 -76.06	142.66 6.20 -65.22	132.79 6.11 -55.58	129.71 5.90 -52.71	127.39 5.89 -50.55	129.06 5.95 -52.22	139.11 6.12 -61.83	126.88 6.12 -49.60	208.28 8.42 -103.04	174.88 8.50 -68.67	158.62 6.46 -77.94	145.64 6.33 -65.70	143.61 5.97 -66.54	137.61 5.89 -60.69	137.01 5.61 -60.46
TEALLAVE_115KV_TB7 355573	76.57 -0.85 -6.77	71.87 -0.93 -6.60	63.32 -0.80 -6.91	63.24 -0.75 -6.37	68.42 -0.81 -6.64	76.87 -0.64 -6.70	79.35 -0.21 -8.47	82.74 -0.21 -11.94	77.82 -0.43 -7.23	78.51 -0.21 -7.77	77.66 -0.28 -6.70	76.41 -0.43 -5.74	76.17 -0.43 -5.50	75.66 -0.57 -5.27	75.59 -0.57 -5.27	77.03 -0.28 -6.14	76.05 -0.28 -5.17	101.99 -0.10 -5.27	102.66 -0.10 -5.05	79.58 -0.07 -5.43	78.72 -0.22 -5.33	77.54 -0.50 -6.94	76.64 -0.71 -6.33	76.55 -0.71 -6.30
TELGRAPH_34_KV_EAST 80808	75.34 -5.93 -10.62	71.06 -5.49 -10.36	63.36 -4.69 -10.84	63.12 -4.49 -10.00	68.01 -5.01 -10.42	75.87 -5.45 -10.52	79.83 -4.55 -13.29	84.00 -5.75 -18.74	77.87 -6.39 -13.25	77.55 -5.61 -12.20	75.77 -5.98 -10.52	73.57 -6.54 -9.01	73.11 -6.61 -8.63	72.27 -6.95 -8.27	72.08 -7.09 -8.28	74.62 -6.19 -9.65	73.38 -5.91 -8.12	100.82 -6.78 -10.78	101.06 -7.03 -10.39	79.94 -5.27 -10.99	78.54 -5.89 -10.82	75.73 -6.26 -10.89	74.78 -6.18 -9.93	75.45 -5.39 -9.90
TEMPLE___115KV_TB 2 55572	76.75 -0.78 -6.87	72.03 -0.86 -6.70	63.48 -0.74 -7.01	63.39 -0.69 -6.47	68.58 -0.75 -6.74	77.04 -0.57 -6.80	79.55 -0.14 -8.60	82.93 -0.21 -12.12	78.00 -0.36 -7.34	78.70 -0.14 -7.89	77.83 -0.21 -6.80	76.57 -0.36 -5.83	76.25 -0.43 -5.58	75.81 -0.50 -5.35	75.74 -0.50 -5.36	77.19 -0.21 -6.24	76.20 -0.21 -5.25	102.17 0.00 -5.35	102.83 0.00 -5.13	79.74 0.00 -5.51	78.80 -0.22 -5.41	77.72 -0.43 -7.05	76.81 -0.64 -6.43	76.71 -0.64 -6.40
TIANA____69_KV_BK 1 55817	148.28 9.89 -67.74	141.20 8.94 -66.08	133.87 7.55 -69.11	128.28 6.91 -63.76	136.68 7.64 -66.45	147.13 9.28 -67.05	164.00 8.18 -84.73	199.65 9.16 -119.47	166.24 8.95 -86.27	159.48 9.08 -79.44	148.61 9.12 -68.24	145.88 9.03 -65.75	144.96 8.60 -65.26	146.16 9.15 -66.05	149.14 9.36 -68.90	151.65 9.61 -70.88	143.17 9.89 -62.11	220.26 14.33 -109.11	205.94 14.36 -93.87	200.66 10.61 -115.83	165.37 10.30 -81.46	159.45 10.17 -78.19	147.01 10.23 -65.76	150.15 10.71 -68.48
TILDEN___115KV_TB1 80814	78.37 -0.42 -8.15	73.61 -0.53 -7.95	65.07 -0.46 -8.31	64.88 -0.40 -7.67	70.15 -0.44 -7.99	78.66 -0.21 -8.06	81.50 0.21 -10.19	85.60 0.21 -14.37	79.79 0.07 -8.70	80.59 0.28 -9.36	79.45 0.14 -8.06	78.08 0.07 -6.91	77.71 0.00 -6.62	77.15 -0.14 -6.34	77.09 -0.14 -6.35	78.71 0.14 -7.40	77.53 0.14 -6.23	103.76 0.58 -6.36	104.37 0.59 -6.08	81.21 0.45 -6.54	80.32 0.29 -6.42	79.45 0.00 -8.35	78.42 -0.21 -7.62	78.33 -0.21 -7.59



TRIGEN___CC 323695	145.81 7.42 -67.74	138.95 6.69 -66.08	131.99 5.66 -69.11	126.62 5.24 -63.76	134.87 5.82 -66.45	144.80 6.94 -67.05	162.30 6.47 -84.73	197.81 7.32 -119.47	164.75 7.46 -86.27	158.06 7.66 -79.44	147.75 8.26 -68.25	145.10 8.25 -65.75	144.32 7.96 -65.26	144.95 7.95 -66.06	147.79 8.01 -68.90	150.23 8.18 -70.88	141.39 8.11 -62.11	217.36 11.42 -109.11	203.11 11.53 -93.87	198.59 8.54 -115.83	167.40 8.39 -85.40	162.94 8.03 -83.81	145.03 8.24 -65.77	147.37 7.95 -68.47
TRINITY___115KV___4 BK 55933	162.31 3.04 -88.63	155.56 2.91 -86.46	150.15 2.52 -90.42	143.63 2.59 -83.42	151.98 2.44 -86.95	161.30 2.76 -87.73	184.66 2.70 -110.86	229.96 2.63 -156.31	206.03 2.77 -132.24	174.72 2.84 -100.93	161.18 2.78 -87.16	148.85 2.84 -74.91	146.34 3.27 -71.97	143.17 3.19 -69.03	141.59 2.55 -68.15	152.42 2.42 -78.83	141.17 2.28 -67.73	188.78 3.20 -88.76	204.71 3.13 -103.88	182.30 2.38 -105.70	186.71 2.36 -110.74	164.30 2.35 -90.86	156.60 2.70 -82.88	156.20 2.70 -82.55
UNION___PROCESSING_DRP 323587	76.58 -3.11 -9.04	72.09 -2.91 -8.81	63.92 -2.52 -9.22	63.76 -2.36 -8.51	68.89 -2.57 -8.86	76.99 -2.76 -8.94	80.48 -1.92 -11.30	84.33 -2.63 -15.94	79.53 -3.05 -11.57	78.85 -2.48 -10.38	77.48 -2.71 -8.94	75.64 -3.13 -7.67	75.24 -3.20 -7.34	74.51 -3.48 -7.04	74.38 -3.54 -7.04	76.45 -2.92 -8.21	75.30 -2.78 -6.91	103.22 -2.71 -9.11	103.56 -2.93 -8.79	81.30 -2.23 -9.30	80.19 -2.58 -9.16	77.37 -2.99 -9.26	76.35 -3.12 -8.45	76.60 -2.77 -8.42
UPPER HUDSON___HYD 24058	167.99 5.79 -91.54	160.98 5.49 -89.30	155.24 4.63 -93.39	148.50 4.73 -86.17	157.66 5.26 -89.81	165.74 4.32 -90.62	190.37 4.76 -114.51	237.31 4.83 -161.46	237.47 4.83 -161.62	179.81 4.54 -104.31	165.94 4.63 -90.07	152.91 4.41 -77.40	149.49 4.05 -74.34	146.22 3.97 -71.30	145.53 4.18 -70.46	157.34 4.62 -81.55	214.61 4.98 -138.47	224.20 6.87 -120.50	239.42 6.94 -134.77	216.39 5.27 -136.89	220.61 5.37 -141.63	171.48 6.54 -93.85	162.80 6.18 -85.60	162.11 5.89 -85.27
UPPER RAQUET___HYD 24056	67.61 -3.04 0.00	63.54 -2.65 0.00	54.93 -2.29 0.00	55.14 -2.48 0.00	60.02 -2.57 0.00	67.69 -3.11 0.00	67.83 -3.27 0.00	68.04 -2.98 0.00	67.90 -3.12 0.00	67.83 -3.12 0.00	67.61 -3.63 0.00	67.54 -3.55 0.00	67.69 -3.41 0.00	67.69 -3.26 0.00	67.69 -3.19 0.00	67.68 -3.49 0.00	67.61 -3.56 0.00	72.76 -6.39 17.67	73.07 -6.35 18.29	69.84 -4.38 0.00	69.70 -3.90 0.00	67.69 -3.41 0.00	67.61 -3.41 0.00	67.69 -3.26 0.00
VALLEY44_115KV_TB2 355964	78.35 -5.86 -13.57	73.86 -5.56 -13.23	66.25 -4.81 -13.84	65.77 -4.61 -12.77	70.64 -5.26 -13.31	78.64 -5.59 -13.43	83.09 -4.98 -16.97	88.91 -6.04 -23.92	81.40 -6.60 -16.99	80.57 -5.96 -15.58	78.40 -6.27 -13.43	76.00 -6.61 -11.51	75.36 -6.75 -11.02	74.49 -7.02 -10.57	74.44 -7.02 -10.58	77.23 -6.26 -12.32	75.55 -5.98 -10.37	103.53 -7.16 -13.87	103.63 -5.42 -13.34	82.93 -5.42 -14.12	81.32 -6.18 -13.90	78.53 -6.47 -13.91	77.31 -6.39 -12.69	78.27 -5.32 -12.64
VALLEY___115KV_TB 1-4 80826	71.92 1.27 0.00	67.31 1.13 0.00	58.19 0.97 0.00	58.54 0.92 0.00	63.66 1.06 0.00	72.08 1.27 0.00	72.45 1.35 0.00	72.37 1.35 0.00	72.30 1.28 0.00	72.37 1.42 0.00	72.67 1.42 0.00	72.45 1.35 0.00	72.45 1.35 0.00	72.23 1.28 0.00	72.16 1.28 0.00	72.52 1.35 0.00	72.52 1.35 0.00	100.01 1.94 -1.25	101.05 2.05 -1.29	75.78 1.56 0.00	75.01 1.40 0.00	72.52 1.42 0.00	72.44 1.42 0.00	72.30 1.35 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	106.93 5.37 -30.91	101.11 4.77 -30.16	92.82 4.06 -31.54	90.80 4.09 -29.10	97.49 4.57 -30.33	106.86 5.45 -30.60	115.67 5.90 -38.67	131.58 6.04 -54.52	122.56 5.97 -45.57	112.71 6.24 -35.52	108.05 6.20 -30.61	103.38 6.04 -26.24	102.10 5.90 -25.10	100.63 5.61 -24.08	100.59 5.60 -24.11	105.24 5.98 -28.10	100.84 6.05 -23.62	143.49 8.42 -38.25	143.45 8.89 -36.86	119.64 6.75 -38.66	118.31 6.62 -38.08	108.76 5.97 -31.69	105.75 5.82 -28.91	105.42 5.68 -28.80
VISCHER___FERRY HYD 24020	164.24 3.88 -89.71	157.41 3.70 -87.51	152.00 3.26 -91.52	145.39 3.34 -84.44	154.29 3.69 -88.01	163.71 4.11 -88.80	187.57 4.27 -112.21	233.36 4.12 -158.22	225.52 4.26 -150.24	177.39 4.11 -102.32	163.78 4.20 -88.33	151.10 4.12 -75.88	148.00 4.05 -72.85	144.79 3.97 -69.87	144.22 4.18 -69.16	155.54 4.27 -80.11	203.40 4.41 -127.82	214.69 6.10 -111.77	227.56 6.26 -123.59	204.95 4.68 -126.05	208.11 4.57 -129.94	167.40 4.34 -91.97	159.17 4.26 -83.89	158.63 4.11 -83.56
V_A_10_SYNC_DSASP 323832	75.23 -5.44 -10.02	71.00 -4.97 -9.77	63.20 -4.23 -10.22	63.18 -3.86 -9.43	67.91 -4.51 -9.83	75.76 -4.96 -9.92	79.29 -4.34 -12.53	83.01 -5.68 -17.67	77.86 -6.25 -13.09	75.93 -6.53 -11.51	75.46 -5.70 -9.92	73.48 -6.11 -8.50	72.98 -6.26 -8.14	72.23 -6.53 -7.80	72.17 -6.52 -7.81	74.50 -5.76 -9.10	76.27 -5.62 -10.73	100.48 -6.49 -10.14	100.64 -6.84 -9.78	79.30 -5.27 -10.35	78.20 -5.60 -10.19	75.32 -6.04 -10.27	74.64 -5.75 -9.37	75.25 -5.04 -9.33
V_CMM_10_SYNC_DSASP 323787	69.16 -1.49 0.00	65.00 -1.19 0.00	56.19 -1.03 0.00	56.46 -1.15 0.00	61.40 -1.19 0.00	69.18 -1.63 0.00	69.11 -1.99 0.00	69.17 -1.85 0.00	69.17 -1.85 0.00	69.11 -1.85 0.00	68.96 -2.28 0.00	69.03 -2.06 0.00	69.11 -1.99 0.00	69.11 -1.85 0.00	69.11 -1.77 0.00	69.03 -2.13 0.00	68.96 -2.21 0.00	70.98 -3.68 22.16	70.95 -3.81 22.94	71.56 -2.67 0.00	71.18 -2.43 0.00	69.11 -1.99 0.00	69.11 -1.91 0.00	69.25 -1.70 0.00
V_CMP_10_SYNC_DSASP 323788	68.60 -2.05 0.00	64.54 -1.65 0.00	55.73 -1.49 0.00	56.06 -1.55 0.00	60.97 -1.63 0.00	68.82 -1.98 0.00	68.25 -2.85 0.00	68.39 -2.63 0.00	68.25 -2.77 0.00	68.18 -2.77 0.00	67.97 -3.28 0.00	67.90 -3.20 0.00	67.97 -3.13 0.00	68.04 -2.91 0.00	67.97 -2.91 0.00	67.89 -3.27 0.00	67.82 -3.34 0.00	69.75 -4.84 22.23	69.71 -4.98 23.01	70.52 -3.71 0.00	70.15 -3.46 0.00	68.18 -2.92 0.00	68.25 -2.77 0.00	69.04 -1.91 0.00
V_D_10_SYNC_DSASP 323841	69.24 -1.41 0.00	65.06 -1.13 0.00	56.24 -0.97 0.00	56.52 -1.10 0.00	61.47 -1.12 0.00	69.25 -1.56 0.00	69.25 -1.85 0.00	69.32 -1.71 0.00	69.25 -1.77 0.00	69.25 -1.70 0.00	69.03 -2.21 0.00	69.03 -2.06 0.00	69.18 -1.92 0.00	69.18 -1.77 0.00	69.18 -1.70 0.00	69.10 -2.07 0.00	69.03 -2.13 0.00	71.11 -4.26 21.45	71.21 -4.30 22.20	71.33 -2.90 0.00	71.18 -2.43 0.00	69.18 -1.92 0.00	69.17 -1.85 0.00	69.32 -1.63 0.00
V_E_10_SYNC_DSASP 323830	99.05 6.00 -22.39	93.20 5.17 -21.85	84.53 4.47 -22.85	83.24 4.55 -21.08	89.75 5.19 -21.97	99.63 6.65 -22.17	106.93 7.82 -28.01	118.40 7.88 -39.50	108.94 7.32 -30.60	103.77 7.09 -25.73	100.54 7.12 -22.17	97.07 6.97 -19.00	96.18 6.89 -18.19	94.64 6.25 -17.44	94.37 6.02 -17.46	98.56 7.05 -20.35	104.82 7.40 -26.25	132.90 11.03 -25.05	133.82 12.01 -24.09	108.44 8.83 -25.39	106.99 8.39 -24.99	101.10 7.04 -22.96	98.71 6.75 -20.94	98.48 6.67 -20.86
V_F_30_NSYNC___DSASP 323816	166.88 4.94 -91.28	159.94 4.70 -89.05	154.35 4.00 -93.13	147.62 4.09 -85.92	156.65 4.51 -89.55	165.91 4.74 -90.36	190.33 5.05 -114.18	236.99 4.97 -161.00	236.15 4.97 -160.16	179.73 4.75 -104.03	165.91 4.85 -89.82	152.97 4.69 -77.18	149.71 4.48 -74.13	146.45 4.40 -71.10	145.76 4.60 -70.27	157.41 4.91 -81.33	213.44 5.19 -137.08	223.20 7.06 -119.32	238.27 7.23 -133.33	215.12 5.42 -135.48	219.19 5.45 -140.14	170.15 5.47 -93.58	161.64 5.26 -85.36	161.09 5.11 -85.03



V_F_30_SYNC_DSASP 323786	163.34 3.32 -89.37	156.55 3.18 -87.18	151.08 2.69 -91.18	144.56 2.82 -84.12	152.96 2.69 -87.68	162.24 2.97 -88.46	185.87 2.99 -111.79	231.63 2.98 -157.62	214.06 3.12 -139.91	175.94 3.19 -101.80	162.29 3.13 -87.91	149.85 3.20 -75.55	147.23 3.55 -72.58	144.11 3.55 -69.61	142.47 2.84 -68.75	153.41 2.70 -79.54	142.03 2.56 -68.30	197.65 3.58 -97.25	213.21 3.52 -111.98	190.81 2.67 -113.91	195.08 2.65 -118.82	165.35 2.63 -91.62	157.58 2.98 -83.57	157.11 2.91 -83.25
V_XM_10_SYNC_DSASP 323789	68.60 -2.05 0.00	64.54 -1.65 0.00	55.73 -1.49 0.00	56.06 -1.55 0.00	60.97 -1.63 0.00	68.82 -1.98 0.00	68.25 -2.85 0.00	68.39 -2.63 0.00	68.25 -2.77 0.00	68.18 -2.77 0.00	67.97 -3.28 0.00	67.90 -3.20 0.00	67.97 -3.13 0.00	68.04 -2.91 0.00	67.97 -2.91 0.00	67.89 -3.27 0.00	67.82 -3.34 0.00	69.75 -4.84 22.23	69.71 -4.98 23.01	70.52 -3.71 0.00	70.15 -3.46 0.00	68.18 -2.92 0.00	68.25 -2.77 0.00	69.04 -1.91 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	141.45 5.51 -65.29	134.84 4.96 -63.69	128.06 4.23 -66.61	123.27 4.21 -61.45	131.21 4.57 -64.05	140.67 5.24 -64.63	158.45 5.69 -81.66	192.35 6.18 -115.15	160.58 6.39 -83.17	154.07 6.60 -76.52	143.41 6.55 -65.61	133.48 6.47 -55.91	130.37 6.26 -53.02	128.12 6.31 -50.85	129.63 6.31 -52.44	139.73 6.48 -62.09	127.57 6.62 -49.79	209.71 9.10 -103.79	175.90 9.18 -69.01	159.27 6.68 -78.36	146.14 6.55 -65.98	144.22 6.19 -66.93	138.11 6.04 -61.05	137.58 5.82 -60.81
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	145.01 6.64 -67.71	138.14 5.89 -66.06	131.39 5.09 -69.08	126.36 5.01 -63.74	134.47 5.45 -66.43	144.06 6.23 -67.03	162.05 6.26 -84.70	197.48 7.03 -119.43	164.58 7.32 -86.24	157.96 7.59 -79.42	146.95 7.62 -68.09	136.79 7.68 -58.01	133.55 7.47 -54.99	131.14 7.45 -52.74	132.95 7.51 -54.56	143.34 7.54 -64.63	130.60 7.69 -51.75	216.24 10.36 -109.06	180.02 10.45 -71.86	163.93 7.94 -81.77	149.94 7.80 -68.53	147.98 7.47 -69.42	141.66 7.32 -63.32	141.05 7.02 -63.08
W50THST__13_KV_LOAD 356117	145.36 6.99 -67.71	138.47 6.22 -66.06	131.62 5.32 -69.08	126.71 5.36 -63.74	134.78 5.76 -66.43	144.42 6.58 -67.03	162.48 6.68 -84.70	197.91 7.46 -119.43	165.07 7.81 -86.24	158.46 8.09 -79.42	147.52 8.19 -68.09	137.50 8.39 -58.01	134.19 8.11 -54.99	131.78 8.09 -52.74	133.59 8.15 -54.56	143.84 8.04 -64.63	131.24 8.33 -51.75	216.92 11.04 -109.06	180.61 11.04 -71.86	164.38 8.39 -81.77	150.38 8.24 -68.53	148.41 7.89 -69.42	142.01 7.67 -63.32	141.48 7.45 -63.08
WADING RIVER_IC_1 23522	147.78 9.40 -67.74	140.74 8.47 -66.08	133.47 7.15 -69.11	127.82 6.45 -63.76	136.24 7.20 -66.45	146.71 8.85 -67.05	163.36 7.53 -84.73	199.01 8.52 -119.47	165.60 8.31 -86.27	158.55 8.16 -79.44	147.54 8.05 -68.24	145.16 8.31 -65.75	144.46 8.10 -65.26	145.80 8.80 -66.05	148.64 8.86 -68.90	151.15 9.11 -70.88	178.96 9.32 -98.48	219.30 13.37 -109.11	205.06 13.49 -93.87	200.00 9.95 -115.83	164.85 9.79 -81.45	158.95 9.67 -78.19	146.52 9.73 -65.76	149.79 10.36 -68.48
WADING RIVER_IC_2 23547	147.78 9.40 -67.74	140.74 8.47 -66.08	133.47 7.15 -69.11	127.82 6.45 -63.76	136.24 7.20 -66.45	146.71 8.85 -67.05	163.36 7.53 -84.73	199.01 8.52 -119.47	165.60 8.31 -86.27	158.55 8.16 -79.44	147.54 8.05 -68.24	145.16 8.31 -65.75	144.46 8.10 -65.26	145.80 8.80 -66.05	148.64 8.86 -68.90	151.15 9.11 -70.88	178.96 9.32 -98.48	219.30 13.37 -109.11	205.06 13.49 -93.87	200.00 9.95 -115.83	164.85 9.79 -81.45	158.95 9.67 -78.19	146.52 9.73 -65.76	149.79 10.36 -68.48
WADING RIVER_IC_3 23601	147.78 9.40 -67.74	140.74 8.47 -66.08	133.47 7.15 -69.11	127.82 6.45 -63.76	136.24 7.20 -66.45	146.71 8.85 -67.05	163.36 7.53 -84.73	199.01 8.52 -119.47	165.60 8.31 -86.27	158.55 8.16 -79.44	147.54 8.05 -68.24	145.16 8.31 -65.75	144.46 8.10 -65.26	145.80 8.80 -66.05	148.64 8.86 -68.90	151.15 9.11 -70.88	178.96 9.32 -98.48	219.30 13.37 -109.11	205.06 13.49 -93.87	200.00 9.95 -115.83	164.85 9.79 -81.45	158.95 9.67 -78.19	146.52 9.73 -65.76	149.79 10.36 -68.48
WALDENNY_12_KV_BK2 80841	76.70 -5.93 -11.98	72.25 -5.63 -11.69	64.63 -4.81 -12.22	64.34 -4.55 -11.28	69.15 -5.20 -11.75	77.07 -5.59 -11.86	81.25 -4.83 -14.99	85.97 -6.18 -21.13	79.13 -6.75 -14.86	78.82 -5.89 -13.76	76.83 -6.27 -11.86	74.51 -6.75 -10.17	74.00 -6.83 -9.73	73.12 -7.17 -9.33	72.99 -7.23 -9.34	75.64 -6.40 -10.88	74.20 -6.12 -9.16	101.86 -7.16 -12.21	102.03 -7.43 -11.75	81.24 -5.42 -12.43	79.66 -6.18 -12.24	76.84 -6.54 -12.28	75.83 -6.39 -11.20	76.72 -5.39 -11.16
WALDEN__HYDRO 24148	141.99 5.93 -65.40	135.22 5.23 -63.80	128.46 4.52 -66.72	123.61 4.44 -61.56	131.64 4.88 -64.16	141.28 5.74 -64.74	158.81 5.90 -81.81	192.69 6.32 -115.35	161.14 6.46 -83.66	154.05 6.53 -76.57	143.40 6.48 -65.67	133.41 6.33 -55.98	130.32 6.11 -53.11	127.99 6.10 -50.94	129.52 6.10 -52.55	139.73 6.40 -62.16	127.84 6.69 -49.98	208.27 9.10 -102.35	176.28 9.28 -69.29	159.63 7.05 -78.36	147.11 6.92 -66.58	144.62 6.47 -67.05	138.50 6.32 -61.16	137.97 6.10 -60.92
WARRENSBURG____ 23737	167.99 5.79 -91.54	160.98 5.49 -89.30	155.24 4.63 -93.39	148.50 4.73 -86.17	157.66 5.26 -89.81	165.74 4.32 -90.62	190.37 4.76 -114.51	237.31 4.83 -161.46	237.47 4.83 -161.62	179.81 4.54 -104.31	165.94 4.63 -90.07	152.91 4.41 -77.40	149.49 4.05 -74.34	146.22 3.97 -71.30	145.53 4.18 -70.46	157.34 4.62 -81.55	214.61 4.98 -138.47	224.20 6.87 -120.50	239.42 6.94 -134.77	216.39 5.27 -136.89	220.61 5.37 -141.63	171.48 6.54 -93.85	162.80 6.18 -85.60	162.11 5.89 -85.27
WATERSIDE____6 8 9 23538	121.20 7.06 -43.48	123.99 6.29 -51.51	131.68 5.38 -69.09	126.61 5.24 -63.76	134.79 5.76 -66.44	129.35 6.58 -51.96	135.92 6.61 -58.21	178.44 7.32 -100.11	144.53 7.60 -65.91	126.09 7.88 -47.27	145.22 7.91 -66.07	138.66 7.82 -59.74	138.03 7.61 -59.32	137.30 7.59 -58.76	137.91 7.66 -59.37	143.63 7.83 -64.64	130.74 7.83 -51.75	202.36 10.75 -94.79	161.38 10.85 -52.83	148.32 8.31 -65.79	136.03 8.17 -54.25	148.34 7.82 -69.43	136.96 7.74 -58.20	134.52 7.45 -56.11
WATKINRD_115KV_LN8_ILLION 55919	72.06 1.41 0.00	67.45 1.26 0.00	58.30 1.09 0.00	58.71 1.09 0.00	63.85 1.25 0.00	72.29 1.49 0.00	72.66 1.56 0.00	72.58 1.56 0.00	72.51 1.49 0.00	72.51 1.56 0.00	72.81 1.57 0.00	72.59 1.49 0.00	72.59 1.49 0.00	72.37 1.42 0.00	72.30 1.42 0.00	72.73 1.57 0.00	72.73 1.57 0.00	100.30 2.23 -1.25	101.34 2.34 -1.29	76.01 1.78 0.00	75.30 1.69 0.00	72.66 1.56 0.00	72.58 1.56 0.00	72.44 1.49 0.00
WATSON__69_KV_BK 1 55734	148.49 10.10 -67.74	141.40 9.13 -66.08	134.05 7.72 -69.11	128.46 7.09 -63.76	136.93 7.89 -66.45	147.34 9.49 -67.05	164.57 8.74 -84.73	200.22 9.73 -119.47	166.88 9.59 -86.27	160.26 9.86 -79.44	149.96 10.47 -68.25	147.30 10.45 -65.75	146.38 10.02 -65.26	147.15 10.15 -66.05	150.06 10.28 -68.90	152.58 10.53 -70.88	143.95 10.67 -62.11	221.42 15.49 -109.11	207.11 15.54 -93.87	201.48 11.43 -115.83	166.41 11.11 -81.69	160.35 10.74 -78.52	147.72 10.94 -65.76	150.29 10.86 -68.48
WDELAWARE__HYD 323627	138.87 6.43 -61.79	132.09 5.62 -60.28	125.12 4.86 -63.04	120.55 4.78 -58.16	128.47 5.26 -60.62	138.34 6.38 -61.16	155.14 6.76 -77.29	187.03 7.03 -108.98	157.88 7.17 -79.69	149.94 6.88 -72.10	139.91 6.77 -61.89	130.45 6.54 -52.81	127.81 6.54 -50.18	125.47 6.39 -48.13	126.44 6.16 -49.39	135.99 6.54 -58.28	156.29 7.18 -77.94	198.24 9.88 -91.54	173.26 10.26 -65.30	155.01 7.79 -72.99	144.95 7.73 -63.62	141.42 6.97 -63.35	135.62 6.82 -57.78	135.18 6.67 -57.56



WEST BABYLON___IC 23714	147.92 9.54 -67.74	140.94 8.67 -66.08	133.65 7.32 -69.11	128.11 6.74 -63.76	136.50 7.45 -66.45	146.85 8.99 -67.05	164.21 8.39 -84.73	199.86 9.37 -119.47	166.59 9.30 -86.27	159.90 9.51 -79.44	149.60 10.12 -68.25	146.94 10.10 -65.75	146.10 9.74 -65.26	146.80 9.79 -66.05	149.71 9.92 -68.90	152.22 10.18 -70.88	143.60 10.32 -62.11	220.75 14.81 -109.11	206.43 14.85 -93.87	201.04 10.99 -115.83	166.46 10.67 -82.18	160.56 10.24 -79.22	147.23 10.44 -65.77	149.72 10.29 -68.48
WEST CANADA___HYD 24049	71.28 0.63 0.00	66.78 0.59 0.00	57.73 0.51 0.00	58.13 0.52 0.00	63.16 0.56 0.00	71.51 0.71 0.00	71.81 0.71 0.00	71.73 0.71 0.00	71.73 0.71 0.00	71.66 0.71 0.00	72.03 0.79 0.00	71.88 0.78 0.00	71.88 0.78 0.00	71.66 0.71 0.00	71.59 0.71 0.00	71.95 0.78 0.00	71.95 0.78 0.00	99.24 1.17 -1.25	100.18 1.18 -1.29	75.12 0.89 0.00	74.42 0.81 0.00	71.88 0.78 0.00	71.80 0.78 0.00	71.66 0.71 0.00
WESTERN_NY_WIND 24143	76.56 -4.52 -10.43	72.13 -4.24 -10.18	64.26 -3.60 -10.64	63.98 -3.46 -9.82	69.01 -3.82 -10.24	77.10 -4.04 -10.33	81.16 -2.99 -13.05	85.38 -4.05 -18.40	79.31 -4.76 -13.05	78.96 -3.97 -11.98	77.23 -4.35 -10.33	74.97 -4.98 -8.85	74.45 -5.12 -8.47	73.61 -5.46 -8.13	73.49 -5.53 -8.13	76.02 -4.63 -9.48	74.80 -4.34 -7.97	103.04 -4.36 -10.58	103.21 -4.69 -10.20	81.45 -3.56 -10.79	80.11 -4.12 -10.62	77.17 -4.62 -10.70	76.16 -4.62 -9.76	76.63 -4.04 -9.72
WESTOVER___LESR 323668	94.01 0.14 -23.22	88.84 0.00 -22.65	80.91 0.00 -23.69	79.53 0.06 -21.86	85.37 0.00 -22.78	94.07 0.28 -22.98	100.85 0.71 -29.04	112.47 0.50 -40.95	101.44 0.28 -30.13	98.20 0.57 -26.68	94.66 0.43 -22.99	91.09 0.28 -19.71	90.10 0.14 -18.86	89.04 0.00 -18.09	88.99 0.00 -18.11	92.69 0.43 -21.10	89.48 0.57 -17.75	122.25 1.16 -24.27	122.18 1.17 -23.30	99.75 0.89 -24.64	98.50 0.66 -24.23	95.19 0.28 -23.81	92.88 0.14 -21.71	92.94 0.35 -21.63
WETHRSFD_WT_PWR 323626	78.66 -5.58 -13.59	74.09 -5.36 -13.26	66.50 -4.58 -13.87	66.09 -4.32 -12.79	70.98 -4.95 -13.34	78.95 -5.31 -13.46	83.34 -4.76 -17.00	88.96 -6.04 -23.97	81.55 -6.53 -17.06	79.61 -6.95 -15.61	78.50 -6.20 -13.46	75.88 -6.76 -11.53	75.31 -6.83 -11.04	74.38 -7.16 -10.59	74.25 -7.23 -10.60	77.18 -6.33 -12.35	80.00 -5.83 -14.67	104.14 -6.59 -13.90	104.24 -6.84 -13.37	83.11 -5.27 -14.15	81.93 -5.60 -13.92	78.99 -6.04 -13.94	77.91 -5.82 -12.71	78.64 -4.97 -12.66
WHAVSTOR_138KV_BK127 55557	141.24 5.23 -65.36	134.65 4.70 -63.76	127.91 4.01 -66.68	123.11 3.98 -61.52	131.04 4.32 -64.12	140.46 4.96 -64.70	157.91 5.05 -81.76	191.91 5.61 -115.28	160.11 5.82 -83.26	153.52 5.96 -76.61	142.99 6.06 -65.69	133.05 5.97 -55.98	129.94 5.76 -53.08	127.61 5.75 -50.91	129.30 5.81 -52.61	139.43 5.98 -62.29	127.10 5.98 -49.95	209.08 8.23 -104.03	175.21 8.31 -69.19	159.10 6.31 -78.57	145.96 6.18 -66.17	144.01 5.90 -67.01	137.97 5.82 -61.12	137.37 5.53 -60.89
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	141.24 5.23 -65.36	134.65 4.70 -63.76	127.91 4.01 -66.68	123.11 3.98 -61.52	131.04 4.32 -64.12	140.46 4.96 -64.70	157.91 5.05 -81.76	191.91 5.61 -115.28	160.11 5.82 -83.26	153.52 5.96 -76.61	142.99 6.06 -65.69	133.05 5.97 -55.98	129.94 5.76 -53.08	127.61 5.75 -50.91	129.30 5.81 -52.61	139.43 5.98 -62.29	127.10 5.98 -49.95	209.08 8.23 -104.03	175.21 8.31 -69.19	159.10 6.31 -78.57	145.96 6.18 -66.17	144.01 5.90 -67.01	137.97 5.82 -61.12	137.37 5.53 -60.89
WHITEHAL_115KV_TB1 80871	167.81 5.72 -91.44	160.81 5.43 -89.20	155.02 4.52 -93.28	148.29 4.61 -86.06	157.43 5.13 -89.70	167.47 6.16 -90.51	192.22 6.75 -114.37	239.17 6.89 -161.26	238.92 6.89 -161.01	181.74 6.60 -104.19	169.19 7.98 -89.97	156.16 7.75 -77.31	152.60 7.25 -74.25	149.26 7.10 -71.22	148.64 7.37 -70.38	160.60 7.97 -81.46	149.65 8.61 -69.88	228.74 11.91 -120.01	243.71 11.82 -134.18	219.44 8.91 -136.31	223.60 8.98 -141.01	173.01 8.18 -93.74	164.19 7.67 -85.50	163.43 7.31 -85.17
WHITEPLN_13_KV_LOAD 356215	145.02 6.78 -67.59	138.15 6.02 -65.94	131.32 5.15 -68.96	126.30 5.07 -63.62	134.47 5.57 -66.31	144.15 6.44 -66.91	162.40 6.75 -84.55	197.62 7.39 -119.21	164.70 7.60 -86.08	158.10 7.88 -79.27	147.11 7.91 -67.96	136.75 7.75 -57.90	133.52 7.54 -54.89	131.19 7.59 -52.64	132.92 7.58 -54.46	143.43 7.76 -64.51	130.58 7.76 -51.65	216.56 10.94 -108.80	180.27 10.85 -71.72	164.06 8.24 -81.60	149.89 7.88 -68.40	147.93 7.54 -69.29	141.54 7.32 -63.21	140.94 7.02 -62.96
WM_FLOYD_69_KV_BK2 356380	147.99 9.61 -67.74	140.94 8.67 -66.08	133.65 7.32 -69.11	128.05 6.68 -63.76	136.43 7.39 -66.45	146.85 8.99 -67.05	163.72 7.89 -84.73	199.37 8.88 -119.47	165.95 8.66 -86.27	159.26 8.87 -79.44	148.61 9.12 -68.24	146.02 9.17 -65.75	145.10 8.74 -65.26	146.09 9.08 -66.05	149.07 9.29 -68.90	151.51 9.47 -70.88	143.03 9.75 -62.11	220.07 14.14 -109.11	205.65 14.07 -93.87	200.44 10.39 -115.83	165.23 10.16 -81.47	159.25 9.95 -78.20	146.87 10.08 -65.76	149.86 10.43 -68.48
WOODARD___115KV_TB2 355635	76.65 -0.92 -6.92	71.94 -0.99 -6.75	63.41 -0.86 -7.06	63.32 -0.81 -6.51	68.50 -0.88 -6.79	76.87 -0.78 -6.85	79.39 -0.36 -8.65	82.86 -0.36 -12.20	77.91 -0.50 -7.38	78.54 -0.35 -7.94	77.66 -0.43 -6.84	76.40 -0.57 -5.87	76.14 -0.57 -5.62	75.63 -0.71 -5.39	75.56 -0.71 -5.39	77.02 -0.43 -6.28	76.02 -0.43 -5.29	101.91 -0.29 -5.39	102.57 -0.29 -5.16	79.55 -0.22 -5.55	78.69 -0.37 -5.45	77.55 -0.64 -7.09	76.71 -0.78 -6.47	76.61 -0.78 -6.44
YORK___WARBASSE 23770	373.54 7.35 -295.54	275.70 6.62 -202.89	132.18 5.72 -69.24	127.02 5.65 -63.76	135.32 6.13 -66.59	250.61 7.15 -172.65	377.06 7.18 -298.79	379.99 7.74 -301.23	356.40 7.95 -277.43	460.82 8.23 -381.64	168.70 8.34 -89.12	170.11 8.32 -90.70	170.85 8.03 -91.71	173.10 8.02 -94.13	171.56 8.08 -92.60	164.68 8.26 -85.26	133.28 8.33 -53.78	317.54 11.52 -209.20	334.24 11.63 -224.91	296.31 8.91 -213.18	251.03 8.76 -168.66	189.03 8.25 -109.68	340.63 8.03 -261.58	207.35 7.73 -128.66