

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses																		--- Marginal Cost of Congestion					01/18/2024		
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00		
59TH STREET_GT_1	24138	137.24	129.52	125.75	125.12	127.71	144.48	165.77	195.86	189.32	181.38	176.83	177.17	178.57	174.10	172.36	173.07	181.87	207.15	197.31	178.11	176.11	163.30	152.93	132.75		
		5.59	5.29	5.17	5.29	5.42	5.89	7.75	8.44	8.76	7.94	7.55	6.54	6.17	6.17	6.49	6.82	8.14	9.11	8.54	8.04	7.12	6.62	5.82	5.80		
		-75.15	-67.90	-64.30	-63.49	-65.85	-81.92	-84.85	-109.97	-102.32	-102.58	-103.03	-111.68	-115.84	-111.38	-107.35	-106.44	-102.29	-116.01	-110.46	-98.87	-105.99	-97.06	-90.61	-70.13		
74TH STREET_GT_1	24260	137.27	129.59	125.82	125.24	127.79	144.47	165.74	197.28	208.40	201.37	197.80	202.58	205.43	199.32	200.25	200.19	208.36	223.17	212.24	193.79	195.18	185.90	175.23	145.38		
		5.59	5.35	5.23	5.41	5.48	5.84	7.68	8.36	8.69	7.87	7.49	6.48	6.11	6.11	6.38	6.64	8.07	9.19	8.77	8.05	7.12	6.56	5.82	5.85		
		-75.18	-67.91	-64.31	-63.51	-65.87	-81.96	-84.90	-111.48	-121.47	-122.64	-124.07	-137.15	-142.76	-136.65	-135.35	-133.74	-128.85	-131.94	-125.16	-114.55	-125.06	-119.72	-112.91	-82.71		
74TH STREET_GT_2	24261	137.27	129.59	125.82	125.24	127.79	144.47	165.74	197.28	208.40	201.37	197.80	202.58	205.43	199.32	200.25	200.19	208.36	223.17	212.24	193.79	195.18	185.90	175.23	145.38		
		5.59	5.35	5.23	5.41	5.48	5.84	7.68	8.36	8.69	7.87	7.49	6.48	6.11	6.11	6.38	6.64	8.07	9.19	8.77	8.05	7.12	6.56	5.82	5.85		
		-75.18	-67.91	-64.31	-63.51	-65.87	-81.96	-84.90	-111.48	-121.47	-122.64	-124.07	-137.15	-142.76	-136.65	-135.35	-133.74	-128.85	-131.94	-125.16	-114.55	-125.06	-119.72	-112.91	-82.71		
ADK HUDSON___FALLS	24011	156.58	147.07	142.50	141.19	144.53	165.06	187.45	220.84	174.00	164.31	143.53	142.38	140.00	134.44	139.56	141.51	136.61	188.38	181.33	155.66	153.26	139.44	128.40	124.04		
		4.46	4.34	4.39	4.06	4.29	4.19	6.37	6.66	6.89	6.17	5.63	4.95	4.64	4.64	4.86	5.14	6.14	7.22	7.20	6.41	5.67	5.19	4.69	4.32		
		-95.61	-86.40	-81.83	-80.81	-83.80	-104.19	-107.92	-136.74	-88.87	-87.27	-71.65	-78.48	-78.80	-73.24	-76.18	-76.56	-59.03	-99.13	-95.82	-78.06	-84.60	-74.63	-67.21	-62.91		
ADK RESOURCE___RCVRY	23798	156.97	147.52	142.94	141.64	144.98	165.52	188.18	221.63	174.68	164.94	144.04	142.91	140.52	134.95	140.09	142.05	137.21	189.10	182.09	156.35	153.88	139.96	128.84	124.43		
		4.80	4.73	4.78	4.45	4.68	4.59	7.02	7.36	7.51	6.74	6.09	5.42	5.09	5.09	5.32	5.62	6.71	7.88	7.91	7.05	6.24	5.67	5.09	4.66		
		-95.67	-86.46	-81.89	-80.86	-83.85	-104.26	-107.99	-136.83	-88.92	-87.34	-71.71	-78.54	-78.87	-73.30	-76.24	-76.62	-59.06	-99.18	-95.87	-78.10	-84.64	-74.67	-67.25	-62.95		
ADK S GLENS___FALLS	24028	156.58	147.07	142.50	141.19	144.53	165.06	187.45	220.84	174.00	164.31	143.53	142.38	140.00	134.44	139.56	141.51	136.61	188.38	181.33	155.66	153.26	139.44	128.40	124.04		
		4.46	4.34	4.39	4.06	4.29	4.19	6.37	6.66	6.89	6.17	5.63	4.95	4.64	4.64	4.86	5.14	6.14	7.22	7.20	6.41	5.67	5.19	4.69	4.32		
		-95.61	-86.40	-81.83	-80.81	-83.80	-104.19	-107.92	-136.74	-88.87	-87.27	-71.65	-78.48	-78.80	-73.24	-76.18	-76.56	-59.03	-99.13	-95.82	-78.06	-84.60	-74.63	-67.21	-62.91		
ADK_NYS___DAM	23527	152.38	143.23	138.75	138.04	141.06	161.14	182.46	214.67	169.68	160.26	140.07	138.76	136.48	131.09	136.14	138.00	133.46	183.66	176.39	151.76	149.23	135.98	125.41	121.42		
		3.39	3.32	3.32	3.55	3.56	3.68	4.90	4.96	5.48	4.96	4.51	3.89	3.67	3.67	3.92	4.12	4.93	5.74	5.40	5.06	4.41	4.17	3.90	3.75		
		-92.49	-83.58	-79.16	-78.17	-81.06	-100.79	-104.40	-132.27	-85.96	-84.43	-69.32	-75.93	-76.24	-70.86	-73.71	-74.07	-57.09	-95.88	-92.68	-75.50	-81.83	-72.19	-65.01	-60.85		
AIR_PRODUCTS___DRP	24190	151.13	141.97	137.54	136.20	139.17	159.35	179.79	212.05	166.76	157.69	137.91	137.34	135.24	129.84	134.79	136.08	131.03	180.62	173.58	149.03	146.92	133.96	123.77	119.87		
		1.92	1.86	1.91	1.52	1.47	1.64	1.98	2.01	2.35	2.20	2.19	2.30	2.26	2.26	2.40	2.03	2.36	2.46	2.35	2.14	1.89	1.97	2.09	2.05		
		-92.71	-83.78	-79.35	-78.35	-81.26	-101.03	-104.65	-132.59	-86.17	-84.62	-69.48	-76.10	-76.41	-71.02	-73.87	-74.24	-57.24	-96.12	-92.92	-75.69	-82.03	-72.37	-65.18	-61.00		
AKWESSNE_115KV_BK	355683	55.09	55.20	55.15	55.15	55.20	55.20	70.46	74.73	75.58	68.46	63.99	57.29	55.26	55.32	57.05	58.14	69.08	79.41	75.81	68.85	60.92	57.83	55.26	55.51		
		-1.41	-1.13	-1.13	-1.18	-1.24	-1.47	-2.71	-2.71	-2.66	-2.41	-2.25	-1.65	-1.30	-1.24	-1.46	-1.67	-2.36	-2.63	-2.51	-2.35	-2.08	-1.79	-1.24	-1.31		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ALBANY_1_SOLAR	323833	150.27	141.28	136.93	135.85	138.76	158.38	179.27	210.91	166.40	157.28	137.58	136.54	134.40	129.11	133.97	135.56	131.07	180.24	173.27	148.85	146.53	133.58	123.35	119.54		
		2.88	2.82	2.87	2.70	2.65	2.66	3.51	3.49	3.68	3.40	3.18	2.95	2.88	2.88	2.98	2.93	3.50	3.94	3.84	3.42	3.09	2.98	2.94	2.90		
		-90.89	-82.14	-77.79	-76.81	-79.66	-99.05	-102.59	-129.99	-84.48	-83.01	-68.16	-74.65	-74.96	-69.66	-72.47	-72.82	-56.13	-94.27	-91.12	-74.23	-80.45	-70.97	-63.92	-59.83		
ALBANY_2_SOLAR	323834	150.28	141.29	136.94	135.80	138.77	158.39	179.21	210.93	166.41	157.22	137.52	136.55	134.41	129.12	133.97	135.57	131.07	180.17	173.28	148.85	146.54	133.58	123.36	119.55		
		2.88	2.82	2.87	2.65	2.65	2.66	3.44	3.49	3.68	3.33	3.11	2.95	2.88	2.88	2.98	2.93	3.50	3.86	3.84	3.42	3.09	2.98	2.94	2.90		
		-90.90	-82.15	-77.80	-76.82	-79.67	-99.06	-102.60	-130.00	-84.49	-83.02	-68.16	-74.66	-74.97	-69.67	-72.47	-72.83	-56.14	-94.28	-91.13	-74.24	-80.46	-70.98	-63.93	-59.83		
ALBANY___1	23571	151.13	141.97	137.54	136.20	139.17	159.35	179.79	212.05	166.76	157.69	137.91	137.34	135.24	129.84	134.79	136.08	131.03	180.62	173.58	149.03	146.92	133.96	123.77	119.87		
		1.92	1.86	1.91	1.52	1.47	1.64	1.98	2.01	2.35	2.20	2.19	2.30	2.26	2.26	2.40	2.03	2.36	2.46	2.35	2.14	1.89	1.97	2.09	2.05		
		-92.71	-83.78	-79.35	-78.35	-81.26	-101.03	-104.65	-132.59	-86.17	-84.62	-69.48	-76.10	-76.41	-71.02	-73.87	-74.24	-57.24	-96.12	-92.92	-75.69	-82.03	-72.37	-65.18	-61.00		

ALBANY___2 23572	151.13 1.92 -92.71	141.97 1.86 -83.78	137.54 1.91 -79.35	136.20 1.52 -78.35	139.17 1.47 -81.26	159.35 1.64 -101.03	179.79 1.98 -104.65	212.05 2.01 -132.59	166.76 2.35 -86.17	157.69 2.20 -84.62	137.91 2.19 -69.48	137.34 2.30 -76.10	135.24 2.26 -76.41	129.84 2.26 -71.02	134.79 2.40 -73.87	136.08 2.03 -74.24	131.03 2.36 -57.24	180.62 2.46 -96.12	173.58 2.35 -92.92	149.03 2.14 -75.69	146.92 1.89 -82.03	133.96 1.97 -72.37	123.77 2.09 -65.18	119.87 2.05 -61.00
ALBANY___3 23573	151.13 1.92 -92.71	141.97 1.86 -83.78	137.54 1.91 -79.35	136.20 1.52 -78.35	139.17 1.47 -81.26	159.35 1.64 -101.03	179.79 1.98 -104.65	212.05 2.01 -132.59	166.76 2.35 -86.17	157.69 2.20 -84.62	137.91 2.19 -69.48	137.34 2.30 -76.10	135.24 2.26 -76.41	129.84 2.26 -71.02	134.79 2.40 -73.87	136.08 2.03 -74.24	131.03 2.36 -57.24	180.62 2.46 -96.12	173.58 2.35 -92.92	149.03 2.14 -75.69	146.92 1.89 -82.03	133.96 1.97 -72.37	123.77 2.09 -65.18	119.87 2.05 -61.00
ALBANY___4 23574	151.13 1.92 -92.71	141.97 1.86 -83.78	137.54 1.91 -79.35	136.20 1.52 -78.35	139.17 1.47 -81.26	159.35 1.64 -101.03	179.79 1.98 -104.65	212.05 2.01 -132.59	166.76 2.35 -86.17	157.69 2.20 -84.62	137.91 2.19 -69.48	137.34 2.30 -76.10	135.24 2.26 -76.41	129.84 2.26 -71.02	134.79 2.40 -73.87	136.08 2.03 -74.24	131.03 2.36 -57.24	180.62 2.46 -96.12	173.58 2.35 -92.92	149.03 2.14 -75.69	146.92 1.89 -82.03	133.96 1.97 -72.37	123.77 2.09 -65.18	119.87 2.05 -61.00
ALBANY___LFGE 323615	152.50 2.48 -93.52	143.21 2.37 -84.52	138.74 2.42 -80.04	137.51 2.14 -79.04	140.50 2.09 -81.97	160.79 2.21 -101.91	181.58 2.85 -105.56	214.13 2.94 -133.75	168.46 3.29 -86.93	159.29 3.05 -85.38	139.33 2.98 -70.10	138.67 2.95 -76.78	136.54 2.88 -77.10	131.10 2.88 -71.65	136.03 2.98 -74.53	137.46 2.75 -74.90	132.39 3.22 -57.73	182.44 3.44 -96.96	175.40 3.37 -93.72	150.54 2.99 -76.35	148.45 2.71 -82.74	135.24 2.62 -73.00	124.90 2.66 -65.74	120.91 2.56 -61.53
ALCOA_PA_115KV_PL-6C 55860	55.26 -1.24 0.00	55.31 -1.01 0.00	55.26 -1.01 0.00	55.31 -1.01 0.00	55.37 -1.07 0.00	55.31 -1.36 0.00	69.87 -3.29 0.00	74.27 -3.18 0.00	75.04 -3.21 0.00	67.96 -2.91 0.00	63.59 -2.65 0.00	57.23 -1.71 0.00	55.49 -1.07 0.00	55.54 -1.02 0.00	57.11 -1.40 0.00	57.96 -1.85 0.00	68.58 -2.86 0.00	78.84 -3.20 0.00	75.26 -3.05 0.00	68.28 -2.92 0.00	60.41 -2.58 0.00	57.59 -2.03 0.00	55.48 -1.02 0.00	55.74 -1.08 0.00
ALCOA_RYNLDS___DRP 24188	55.26 -1.24 0.00	55.31 -1.01 0.00	55.26 -1.01 0.00	55.31 -1.01 0.00	55.37 -1.07 0.00	55.31 -1.36 0.00	69.87 -3.29 0.00	74.27 -3.18 0.00	75.04 -3.21 0.00	67.96 -2.91 0.00	63.59 -2.65 0.00	57.23 -1.71 0.00	55.49 -1.07 0.00	55.54 -1.02 0.00	57.11 -1.40 0.00	57.96 -1.85 0.00	68.58 -2.86 0.00	78.84 -3.20 0.00	75.26 -3.05 0.00	68.28 -2.92 0.00	60.41 -2.58 0.00	57.59 -2.03 0.00	55.48 -1.02 0.00	55.74 -1.08 0.00
ALCOA___DSASP 323711	55.26 -1.24 0.00	55.26 -1.07 0.00	55.26 -1.01 0.00	55.32 -1.01 0.00	55.37 -1.07 0.00	55.31 -1.36 0.00	69.87 -3.29 0.00	74.26 -3.18 0.00	75.11 -3.13 0.00	67.96 -2.91 0.00	63.59 -2.65 0.00	57.23 -1.71 0.00	55.48 -1.08 0.00	55.54 -1.02 0.00	57.11 -1.40 0.00	57.48 -2.33 0.00	68.58 -2.86 0.00	78.84 -3.20 0.00	75.26 -3.06 0.00	68.27 -2.92 0.00	60.41 -2.59 0.00	57.42 -2.20 0.00	55.48 -1.02 0.00	55.85 -0.97 0.00
ALLEGHENY___COGEN 23514	70.29 0.85 -12.94	68.47 0.45 -11.70	67.63 0.28 -11.08	67.67 0.40 -10.94	68.41 0.62 -11.35	72.48 1.70 -14.11	91.43 3.66 -14.61	99.89 3.87 -18.58	93.22 2.90 -12.08	85.20 2.48 -11.86	77.90 1.92 -9.73	71.25 1.65 -10.66	64.50 -2.77 -10.71	63.74 -2.77 -9.95	66.41 -2.46 -10.35	68.42 -1.79 -10.40	77.71 -1.72 -7.99	92.99 -2.46 -13.41	88.93 -2.35 -12.97	79.69 -2.07 -10.56	73.12 -1.33 -11.45	68.17 -1.55 -10.10	66.90 1.30 -9.10	66.87 1.53 -8.51
ALTAMONT_115KV_TB 2 55880	151.44 2.26 -92.68	142.28 2.20 -83.76	137.85 2.25 -79.33	136.86 2.20 -78.33	139.88 2.20 -81.23	159.94 2.27 -101.00	180.78 3.00 -104.62	213.09 3.10 -132.55	167.75 3.36 -86.15	158.51 3.05 -84.60	138.55 2.85 -69.46	137.61 2.59 -76.08	135.44 2.49 -76.39	130.04 2.49 -71.00	135.00 2.63 -73.85	136.65 2.63 -74.21	131.80 3.14 -57.22	181.74 3.61 -96.09	174.64 3.45 -92.89	150.00 3.13 -75.67	147.78 2.77 -82.01	134.59 2.62 -72.35	124.14 2.49 -65.16	120.25 2.44 -60.98
ALTONA_WT_PWR 323606	56.05 -0.45 0.00	55.99 -0.34 0.00	55.94 -0.34 0.00	56.05 -0.28 0.00	56.28 -0.17 0.00	56.56 -0.11 0.00	71.85 -1.31 0.00	76.36 -1.08 0.00	77.31 -0.94 0.00	70.02 -0.85 0.00	65.58 -0.66 0.00	58.65 -0.29 0.00	56.45 -0.11 0.00	56.50 -0.06 0.00	58.46 -0.06 0.00	59.69 -0.12 0.00	71.44 0.00 0.00	82.37 0.33 0.00	78.55 0.24 0.00	71.27 0.07 0.00	63.06 0.06 0.00	59.68 0.06 0.00	56.95 0.45 0.00	57.33 0.51 0.00
AMERICAN_REF_FUEL 24010	62.90 -4.92 -11.32	61.32 -5.24 -10.23	60.73 -5.23 -9.69	60.94 -4.96 -9.56	61.51 -4.85 -9.92	64.98 -4.02 -12.33	81.47 -4.47 -12.77	87.96 -5.73 -16.25	81.69 -7.12 -10.56	75.07 -6.17 -10.37	69.39 -5.36 -8.51	63.61 -4.66 -9.32	61.17 -4.75 -9.36	60.45 -4.81 -8.70	63.30 -4.27 -9.05	65.02 -3.89 -9.10	73.56 -4.86 -6.98	87.78 -5.99 -11.73	84.01 -5.64 -11.34	75.73 -4.70 -9.24	68.91 -4.09 -10.01	64.34 -4.11 -8.83	59.59 -4.86 -7.95	60.23 -4.03 -7.44
ARKWRIGHT___SUMMIT_WT_PWR 323751	65.81 -3.56 -12.86	63.78 -4.17 -11.62	63.18 -4.11 -11.01	63.82 -3.38 -10.87	64.44 -3.28 -11.27	68.54 -2.15 -14.02	86.22 -1.46 -14.51	94.12 -1.78 -18.46	87.03 -3.21 -12.00	80.10 -2.55 -11.78	74.06 -1.85 -9.67	68.01 -1.53 -10.59	65.44 -1.75 -10.64	64.63 -1.81 -9.89	67.57 -1.23 -10.28	69.31 -0.84 -10.33	78.37 -1.00 -7.94	93.81 -1.56 -13.33	90.03 -1.17 -12.89	80.91 -0.78 -10.50	73.74 -0.63 -11.38	68.70 -0.96 -10.04	63.45 -2.09 -9.04	64.03 -1.25 -8.46
ARTHUR KILL_GT_1 23520	136.93 5.26 -75.18	129.54 5.29 -67.91	125.76 5.17 -64.31	125.13 5.29 -63.51	127.68 5.37 -65.87	143.96 5.33 -81.96	165.16 7.10 -84.90	196.66 7.74 -111.48	207.85 8.14 -121.47	200.86 7.37 -122.62	197.32 7.02 -124.06	202.21 6.13 -137.14	205.08 5.77 -142.75	198.97 5.77 -136.63	199.89 6.03 -135.34	199.94 6.40 -133.73	241.40 7.79 -162.18	334.24 9.02 -243.18	314.88 8.77 -227.80	244.74 7.97 -165.57	240.63 6.99 -170.64	185.78 6.44 -119.71	174.88 5.48 -112.90	144.87 5.34 -82.71
ARTHUR_KILL_2 23512	136.70 5.03 -75.18	129.37 5.13 -67.91	125.54 4.95 -64.31	124.96 5.13 -63.51	127.50 5.19 -65.87	143.74 5.10 -81.96	164.94 6.88 -84.90	196.43 7.51 -111.48	207.53 7.82 -121.47	200.65 7.15 -122.62	197.13 6.82 -124.06	202.03 5.95 -137.14	204.86 5.55 -142.75	198.80 5.60 -136.63	199.65 5.79 -135.34	199.70 6.16 -133.73	241.11 7.50 -162.18	334.00 8.78 -243.18	314.57 8.46 -227.80	244.46 7.69 -165.57	240.38 6.74 -170.64	185.54 6.20 -119.71	174.71 5.31 -112.90	144.65 5.12 -82.71
ARTHUR_KILL_3 23513	136.58 4.91 -75.16	128.85 4.62 -67.91	125.14 4.56 -64.31	124.50 4.67 -63.50	127.10 4.80 -65.86	143.82 5.21 -81.94	164.84 6.81 -84.87	195.64 7.44 -110.77	198.31 7.67 -112.39	190.94 6.95 -113.13	186.96 6.62 -114.10	189.74 5.72 -125.08	191.99 5.43 -130.00	186.66 5.43 -124.67	186.27 5.67 -122.08	186.59 5.98 -120.80	216.34 7.14 -137.76	218.34 8.12 -128.18	218.34 7.75 -132.27	218.34 7.12 -140.02	214.06 6.30 -144.76	174.51 5.90 -108.98	164.04 5.19 -102.34	138.79 5.22 -76.75

ARTHUR_KILL_COGEN 323718	136.93 5.26 -75.18	129.54 5.29 -67.91	125.76 5.17 -64.31	125.13 5.29 -63.51	127.68 5.37 -65.87	143.96 5.33 -81.96	165.16 7.10 -84.90	196.66 7.74 -111.48	207.85 8.14 -121.47	200.86 7.37 -122.62	197.32 7.02 -124.06	202.21 6.13 -137.14	205.08 5.77 -142.75	198.97 5.77 -136.63	199.89 6.03 -135.34	199.94 6.40 -133.73	241.40 7.79 -162.18	334.24 9.02 -243.18	314.88 8.77 -227.80	244.74 7.97 -165.57	240.63 6.99 -170.64	185.78 6.44 -119.71	174.88 5.48 -112.90	144.87 5.34 -82.71
ASHOKAN____ 23654	141.98 2.03 -83.45	133.49 1.75 -75.41	129.38 1.69 -71.42	128.49 1.63 -70.52	131.33 1.75 -73.14	149.87 2.27 -90.93	170.36 3.00 -94.19	199.65 2.87 -119.34	159.09 3.29 -77.56	149.87 2.62 -76.38	131.14 2.18 -62.71	129.52 1.89 -68.69	127.17 1.64 -68.97	122.30 1.64 -64.10	127.01 1.82 -66.68	128.67 1.86 -67.00	125.87 2.78 -51.65	172.30 3.53 -86.73	165.52 3.37 -83.84	141.99 2.49 -68.30	139.22 2.20 -74.02	126.77 1.85 -65.30	116.78 1.47 -58.81	113.23 1.36 -55.05
ASTORIA_EAST_ENERGY_CC1 323581	137.15 5.48 -75.17	129.41 5.18 -67.91	125.59 5.01 -64.31	125.01 5.18 -63.51	127.61 5.30 -65.86	144.29 5.67 -81.96	165.52 7.47 -84.89	196.20 7.98 -110.78	198.93 8.29 -112.39	191.58 7.59 -113.12	187.57 7.22 -114.11	190.34 6.31 -125.09	192.51 5.94 -130.01	187.12 5.88 -124.68	186.74 6.14 -122.08	187.13 6.52 -120.80	195.50 7.79 -116.28	215.22 8.78 -124.40	205.05 8.54 -118.20	186.16 7.83 -107.13	186.02 6.99 -116.03	175.10 6.50 -108.98	175.10 5.70 -112.90	145.15 5.63 -82.70
ASTORIA_EAST_ENERGY_CC2 323582	137.15 5.48 -75.17	129.41 5.18 -67.91	125.65 5.07 -64.31	125.01 5.18 -63.51	127.61 5.30 -65.86	144.29 5.67 -81.96	165.52 7.47 -84.89	196.20 7.98 -110.78	198.93 8.29 -112.39	191.58 7.59 -113.12	187.57 7.22 -114.11	190.34 6.31 -125.09	192.51 5.94 -130.01	187.12 5.88 -124.68	186.74 6.14 -122.08	187.13 6.52 -120.80	195.50 7.79 -116.28	215.22 8.78 -124.40	205.05 8.54 -118.20	186.16 7.83 -107.13	186.02 6.99 -116.03	175.10 6.50 -108.98	175.10 5.70 -112.90	145.15 5.63 -82.70
ASTORIA_GT2_1 24094	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT2_2 24095	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT2_3 24096	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT2_4 24097	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT3_1 24098	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT3_2 24099	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT3_3 24100	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT3_4 24101	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT4_1 24102	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT4_2 24103	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT4_3 24104	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70

ASTORIA_GT4_4 24105	137.15 5.48 -75.17	129.37 5.13 -67.91	125.65 5.06 -64.31	125.02 5.18 -63.51	127.62 5.31 -65.87	144.29 5.67 -81.96	165.52 7.46 -84.89	196.28 8.05 -110.78	199.01 8.37 -112.39	191.66 7.65 -113.14	187.65 7.29 -114.12	190.35 6.31 -125.10	192.52 5.94 -130.03	187.19 5.94 -124.69	186.81 6.20 -122.09	187.08 6.46 -120.82	195.50 7.79 -116.28	215.31 8.86 -124.41	205.06 8.54 -118.21	186.16 7.83 -107.14	186.09 7.06 -116.04	175.10 6.50 -108.98	175.16 5.76 -112.90	145.20 5.68 -82.70
ASTORIA_GT_1 23523	137.26 5.59 -75.17	129.53 5.29 -67.91	125.71 5.12 -64.31	125.13 5.29 -63.51	127.72 5.42 -65.86	144.41 5.78 -81.96	165.66 7.61 -84.89	196.43 8.20 -110.78	199.17 8.53 -112.39	191.79 7.80 -113.12	187.77 7.42 -114.11	190.46 6.43 -125.09	192.63 6.05 -130.01	187.30 6.05 -124.68	186.92 6.32 -122.08	187.25 6.64 -120.80	195.71 8.00 -116.28	215.46 9.02 -124.40	205.28 8.77 -118.20	186.37 8.04 -107.13	186.21 7.18 -116.03	175.28 6.68 -108.98	175.22 5.82 -112.90	145.26 5.74 -82.70
ASTORIA_GT_10 24110	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.00 7.72 -128.85	222.76 8.78 -131.94	212.01 8.54 -125.16	193.51 7.76 -114.55	196.00 6.93 -126.08	185.72 6.38 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
ASTORIA_GT_11 24225	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.00 7.72 -128.85	222.76 8.78 -131.94	212.01 8.54 -125.16	193.51 7.76 -114.55	196.00 6.93 -126.08	185.72 6.38 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
ASTORIA_GT_12 24226	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.00 7.72 -128.85	222.76 8.78 -131.94	212.01 8.54 -125.16	193.51 7.76 -114.55	196.00 6.93 -126.08	185.72 6.38 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
ASTORIA_GT_13 24227	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.00 7.72 -128.85	222.76 8.78 -131.94	212.01 8.54 -125.16	193.51 7.76 -114.55	196.00 6.93 -126.08	185.72 6.38 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
ASTORIA_GT_5 24106	137.26 5.59 -75.17	129.48 5.24 -67.91	125.71 5.12 -64.31	125.13 5.29 -63.51	127.73 5.42 -65.87	144.41 5.78 -81.96	165.66 7.61 -84.89	196.43 8.21 -110.78	199.17 8.53 -112.39	191.80 7.80 -113.14	187.79 7.42 -114.12	190.47 6.42 -125.10	192.64 6.05 -130.03	187.31 6.05 -124.69	186.93 6.32 -122.09	187.20 6.58 -120.82	195.72 8.00 -116.28	215.47 9.02 -124.41	205.29 8.77 -118.21	186.38 8.05 -107.14	186.22 7.18 -116.04	175.22 6.62 -108.98	175.22 5.82 -112.90	145.32 5.80 -82.70
ASTORIA_GT_7 24107	137.26 5.59 -75.17	129.48 5.24 -67.91	125.71 5.12 -64.31	125.13 5.29 -63.51	127.73 5.42 -65.87	144.41 5.78 -81.96	165.66 7.61 -84.89	196.43 8.21 -110.78	199.17 8.53 -112.39	191.80 7.80 -113.14	187.79 7.42 -114.12	190.47 6.42 -125.10	192.64 6.05 -130.03	187.31 6.05 -124.69	186.93 6.32 -122.09	187.20 6.58 -120.82	195.72 8.00 -116.28	215.47 9.02 -124.41	205.29 8.77 -118.21	186.38 8.05 -107.14	186.22 7.18 -116.04	175.22 6.62 -108.98	175.22 5.82 -112.90	145.32 5.80 -82.70
ASTORIA_GT_8 24108	137.26 5.59 -75.17	129.48 5.24 -67.91	125.71 5.12 -64.31	125.13 5.29 -63.51	127.73 5.42 -65.87	144.41 5.78 -81.96	165.66 7.61 -84.89	196.43 8.21 -110.78	199.17 8.53 -112.39	191.80 7.80 -113.14	187.79 7.42 -114.12	190.47 6.42 -125.10	192.64 6.05 -130.03	187.31 6.05 -124.69	186.93 6.32 -122.09	187.20 6.58 -120.82	195.72 8.00 -116.28	215.47 9.02 -124.41	205.29 8.77 -118.21	186.38 8.05 -107.14	186.22 7.18 -116.04	175.22 6.62 -108.98	175.22 5.82 -112.90	145.32 5.80 -82.70
ASTORIA___2 24149	137.15 5.48 -75.17	129.41 5.18 -67.91	125.65 5.07 -64.31	125.01 5.18 -63.51	127.61 5.30 -65.86	144.29 5.67 -81.96	165.52 7.47 -84.89	196.28 8.05 -110.78	199.01 8.38 -112.39	191.58 7.59 -113.12	187.64 7.29 -114.11	190.34 6.31 -125.09	192.51 5.94 -130.01	187.18 5.94 -124.68	186.80 6.20 -122.08	187.13 6.52 -120.80	195.50 7.79 -116.28	215.30 8.86 -124.40	205.05 8.54 -118.20	186.16 7.83 -107.13	186.08 7.05 -116.03	175.16 6.56 -108.98	175.10 5.70 -112.90	145.15 5.63 -82.70
ASTORIA___3 23516	137.10 5.42 -75.18	129.48 5.24 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.61 5.30 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.00 7.51 -122.62	197.52 7.22 -124.06	202.33 6.25 -137.14	205.19 5.88 -142.75	199.08 5.88 -136.63	200.00 6.14 -135.34	200.00 6.46 -133.73	208.00 7.72 -128.85	222.75 8.78 -131.93	212.00 8.54 -125.15	193.50 7.76 -114.54	196.00 6.93 -126.07	185.78 6.44 -119.71	175.05 5.65 -112.90	145.10 5.57 -82.71
ASTORIA___4 23517	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.00 7.72 -128.85	222.76 8.78 -131.94	212.01 8.54 -125.16	193.51 7.76 -114.55	196.00 6.93 -126.08	185.72 6.38 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
ASTORIA___5 23518	137.10 5.42 -75.18	129.48 5.24 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.61 5.30 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.00 7.51 -122.62	197.52 7.22 -124.06	202.33 6.25 -137.14	205.19 5.88 -142.75	199.08 5.88 -136.63	200.00 6.14 -135.34	200.00 6.46 -133.73	208.00 7.72 -128.85	222.75 8.78 -131.93	212.00 8.54 -125.15	193.50 7.76 -114.54	196.00 6.93 -126.07	185.78 6.44 -119.71	175.05 5.65 -112.90	145.10 5.57 -82.71
AST_ENERGY_2_CC3 323677	136.92 5.26 -75.16	129.19 4.96 -67.91	125.47 4.89 -64.31	124.84 5.01 -63.50	127.44 5.14 -65.86	144.11 5.50 -81.94	165.13 7.10 -84.87	195.95 7.74 -110.77	198.75 8.14 -112.37	191.27 7.30 -113.10	187.21 6.89 -114.07	189.94 5.95 -125.05	192.13 5.60 -129.97	186.80 5.60 -124.64	186.47 5.91 -122.05	186.80 6.22 -120.77	195.10 7.43 -116.23	214.86 8.45 -124.37	204.55 8.07 -118.17	185.70 7.40 -107.10	185.55 6.55 -116.00	174.72 6.14 -108.95	164.30 5.48 -102.32	139.01 5.46 -76.74
AST_ENERGY_2_CC4 323678	136.92 5.26 -75.16	129.19 4.96 -67.91	125.47 4.89 -64.31	124.84 5.01 -63.50	127.44 5.14 -65.86	144.11 5.50 -81.94	165.13 7.10 -84.87	195.95 7.74 -110.77	198.75 8.14 -112.37	191.27 7.30 -113.10	187.21 6.89 -114.07	189.94 5.95 -125.05	192.13 5.60 -129.97	186.80 5.60 -124.64	186.47 5.91 -122.05	186.80 6.22 -120.77	195.10 7.43 -116.23	214.86 8.45 -124.37	204.55 8.07 -118.17	185.70 7.40 -107.10	185.55 6.55 -116.00	174.72 6.14 -108.95	164.30 5.48 -102.32	139.01 5.46 -76.74

ATHENS_STG_1 23668	142.75 2.94 -83.31	134.49 2.87 -75.29	130.39 2.81 -71.31	129.61 2.87 -70.41	132.40 2.93 -73.02	150.52 3.06 -90.79	171.30 4.09 -94.04	200.93 4.33 -119.15	160.22 4.54 -77.44	151.04 4.11 -76.06	132.60 3.91 -62.45	130.76 3.42 -68.40	128.41 3.17 -68.68	123.56 3.17 -63.83	128.25 3.33 -66.40	130.06 3.53 -66.72	127.08 4.21 -51.43	173.25 4.84 -86.37	166.42 4.62 -83.49	143.41 4.20 -68.01	140.42 3.72 -73.71	128.11 3.46 -65.03	118.17 3.11 -58.56	114.70 3.07 -54.82
ATHENS_STG_2 23670	142.75 2.94 -83.31	134.49 2.87 -75.29	130.39 2.81 -71.31	129.61 2.87 -70.41	132.40 2.93 -73.02	150.52 3.06 -90.79	171.30 4.09 -94.04	200.93 4.33 -119.15	160.22 4.54 -77.44	151.04 4.11 -76.06	132.60 3.91 -62.45	130.76 3.42 -68.40	128.41 3.17 -68.68	123.56 3.17 -63.83	128.25 3.33 -66.40	130.06 3.53 -66.72	127.08 4.21 -51.43	173.25 4.84 -86.37	166.42 4.62 -83.49	143.41 4.20 -68.01	140.42 3.72 -73.71	128.11 3.46 -65.03	118.17 3.11 -58.56	114.70 3.07 -54.82
ATHENS_STG_3 23677	142.75 2.94 -83.31	134.49 2.87 -75.29	130.39 2.81 -71.31	129.61 2.87 -70.41	132.40 2.93 -73.02	150.52 3.06 -90.79	171.30 4.09 -94.04	200.93 4.33 -119.15	160.22 4.54 -77.44	151.04 4.11 -76.06	132.60 3.91 -62.45	130.76 3.42 -68.40	128.41 3.17 -68.68	123.56 3.17 -63.83	128.25 3.33 -66.40	130.06 3.53 -66.72	127.08 4.21 -51.43	173.25 4.84 -86.37	166.42 4.62 -83.49	143.41 4.20 -68.01	140.42 3.72 -73.71	128.11 3.46 -65.03	118.17 3.11 -58.56	114.70 3.07 -54.82
AUBURN___LFGE 323710	66.08 0.17 -9.41	64.66 -0.17 -8.51	64.16 -0.17 -8.06	64.11 -0.17 -7.95	64.69 0.00 -8.25	67.27 0.34 -10.26	84.89 1.10 -10.62	92.01 1.01 -13.56	87.76 0.70 -8.81	80.16 0.64 -8.65	73.88 0.53 -7.10	67.02 0.29 -7.78	64.43 0.06 -7.81	63.88 0.06 -7.26	66.19 0.12 -7.55	67.64 0.24 -7.59	77.86 0.57 -5.85	92.60 0.74 -9.83	88.51 0.70 -9.50	79.65 0.71 -7.74	71.95 0.57 -8.38	67.38 0.36 -7.40	63.11 -0.06 -6.66	63.12 0.11 -6.19
BABYLON_RES_REC 323704	149.49 6.44 -86.55	147.27 6.20 -84.74	145.96 6.13 -83.55	143.88 6.25 -81.30	146.02 6.38 -83.20	148.65 6.74 -85.24	165.28 8.05 -84.07	191.12 8.82 -104.86	159.96 9.23 -72.49	151.30 8.79 -71.64	152.10 8.41 -77.45	151.82 7.31 -85.57	151.02 6.90 -87.57	150.91 6.90 -87.45	151.10 7.25 -85.32	151.91 7.66 -84.44	155.68 9.15 -75.09	207.56 10.50 -115.02	182.68 10.03 -94.35	158.93 9.12 -78.62	156.05 8.07 -84.99	153.39 7.51 -86.26	148.12 6.66 -84.96	146.37 6.64 -82.91
BABYLON__69_KV_BK2 356345	150.28 7.23 -86.55	148.00 6.93 -84.74	146.63 6.81 -83.55	144.56 6.93 -81.30	146.70 7.06 -83.20	149.45 7.54 -85.24	166.02 9.00 -83.86	191.32 9.83 -104.05	160.67 10.02 -72.41	152.31 9.78 -71.66	153.04 9.34 -77.46	152.66 8.13 -85.58	151.83 7.69 -87.58	151.66 7.64 -87.47	151.93 8.08 -85.34	152.64 8.37 -84.46	156.75 10.22 -75.10	208.87 11.81 -115.02	183.79 11.12 -94.35	160.00 10.18 -78.63	156.94 8.95 -85.00	154.23 8.35 -86.26	148.92 7.46 -84.97	147.23 7.50 -82.91
BALL_HILL_WT_PWR 323825	65.15 -3.84 -12.50	63.46 -4.17 -11.29	62.75 -4.22 -10.70	63.06 -3.83 -10.56	63.67 -3.73 -10.95	67.46 -2.83 -13.62	84.64 -2.63 -14.10	92.05 -3.33 -17.94	85.21 -4.69 -11.66	78.35 -3.97 -11.45	72.40 -3.24 -9.40	66.41 -2.83 -10.29	63.90 -3.00 -10.34	63.11 -3.06 -9.61	66.00 -2.51 -9.99	67.70 -2.15 -10.04	76.51 -2.64 -7.71	91.55 -3.44 -12.95	87.70 -3.13 -12.52	78.90 -2.49 -10.20	71.84 -2.21 -11.05	67.05 -2.33 -9.75	62.00 -3.28 -8.78	62.60 -2.44 -8.22
BARON_WINDS___WT_PWR 323822	71.19 -2.03 -16.72	69.19 -2.25 -15.11	68.33 -2.25 -14.31	68.38 -2.08 -14.13	69.29 -1.81 -14.66	73.76 -1.13 -18.22	91.68 -0.36 -18.88	100.65 -0.77 -23.98	92.27 -1.56 -15.59	84.82 -1.35 -15.30	77.82 -0.99 -12.57	71.76 -0.95 -13.76	69.08 -1.30 -13.82	68.05 -1.36 -12.84	70.88 -1.00 -13.36	72.70 -0.54 -13.42	81.26 -0.50 -10.32	98.47 -0.90 -17.33	94.36 -0.71 -16.75	84.42 -0.42 -13.65	77.35 -0.44 -14.79	72.07 -0.60 -13.05	66.84 -1.41 -11.75	66.97 -0.85 -11.00
BARRETT_IC_1 23704	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_10 23701	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_11 23702	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_12 23703	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_2 23705	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_3 23706	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_4 23707	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91

BARRETT_IC_5 23708	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_6 23709	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_7 23710	148.87 5.82 -86.55	146.65 5.58 -84.74	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.97 6.06 -85.24	165.41 7.46 -84.78	193.22 8.13 -107.65	159.45 8.45 -72.76	150.61 8.08 -71.66	151.25 7.55 -77.46	151.13 6.60 -85.58	150.36 6.22 -87.58	150.25 6.22 -87.47	150.35 6.50 -85.34	151.03 6.76 -84.46	154.68 8.14 -75.10	206.33 9.27 -115.02	181.52 8.85 -94.35	158.01 8.19 -78.62	155.24 7.24 -84.99	152.62 6.74 -86.26	147.51 6.05 -84.97	145.81 6.08 -82.91
BARRETT_IC_8 23711	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT_IC_9 23700	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT___1 23545	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BARRETT___2 23546	148.88 5.82 -86.56	146.66 5.58 -84.75	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.25	165.42 7.47 -84.79	193.22 8.13 -107.65	159.54 8.53 -72.77	150.45 7.94 -71.65	151.24 7.55 -77.45	151.12 6.60 -85.57	150.35 6.22 -87.57	150.24 6.22 -87.46	150.34 6.49 -85.33	151.08 6.82 -84.45	154.68 8.14 -75.10	206.33 9.27 -115.02	181.51 8.85 -94.35	158.01 8.18 -78.63	155.23 7.24 -84.99	152.62 6.74 -86.27	147.45 5.99 -84.97	145.75 6.02 -82.91
BATAVIA___115KV_TB1 55881	64.45 -2.54 -10.49	62.66 -3.15 -9.48	62.27 -2.98 -8.98	62.44 -2.76 -8.87	63.05 -2.60 -9.20	66.52 -1.59 -11.44	83.98 -1.02 -11.83	90.97 -1.55 -15.07	85.30 -2.74 -9.80	78.08 -2.41 -9.62	72.15 -1.99 -7.90	65.89 -1.71 -8.65	63.15 -2.09 -8.69	62.54 -2.09 -8.07	65.34 -1.58 -8.40	66.69 -1.56 -8.44	76.51 -1.43 -6.50	91.16 -1.80 -10.92	87.15 -1.72 -10.56	78.52 -1.28 -8.60	71.19 -1.13 -9.32	66.36 -1.49 -8.22	61.82 -2.09 -7.41	62.53 -1.19 -6.90
BAYONEEC___CTG1 323682	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG10 323750	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG2 323683	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG3 323684	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG4 323685	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG5 323686	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG6 323687	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75

BAYONEEC___CTG7 323688	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG8 323689	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BAYONEEC___CTG9 323749	136.80 5.14 -75.16	129.13 4.90 -67.91	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.13 7.10 -84.87	195.88 7.67 -110.77	198.62 7.98 -112.39	191.23 7.23 -113.13	187.23 6.89 -114.10	189.97 5.95 -125.08	192.16 5.60 -130.00	186.83 5.60 -124.67	186.51 5.91 -122.08	186.77 6.16 -120.80	195.13 7.43 -116.27	214.88 8.45 -124.39	204.57 8.07 -118.19	185.72 7.40 -107.12	185.57 6.55 -116.02	174.69 6.08 -108.98	164.27 5.42 -102.34	138.97 5.40 -76.75
BEACON___LESR 323632	152.11 2.99 -92.62	142.90 2.87 -83.70	138.42 2.87 -79.28	137.20 2.59 -78.28	140.22 2.60 -81.18	160.38 2.78 -100.93	181.44 3.73 -104.55	213.70 3.79 -132.47	168.56 4.22 -86.09	159.33 3.90 -84.56	139.38 3.71 -69.43	138.58 3.60 -76.04	136.37 3.45 -76.36	130.98 3.45 -70.97	135.97 3.63 -73.82	137.34 3.35 -74.18	132.62 4.00 -57.18	182.49 4.43 -96.03	175.36 4.23 -92.82	150.66 3.84 -75.62	148.35 3.40 -81.95	135.26 3.34 -72.30	124.89 3.28 -65.11	120.89 3.12 -60.94
BEAVER RIVER___HYD 24048	59.50 0.06 -2.95	58.88 -0.11 -2.66	58.63 -0.17 -2.52	58.87 0.06 -2.49	59.20 0.17 -2.58	60.05 0.17 -3.21	77.01 0.52 -3.32	82.16 1.32 -3.40	81.63 1.18 -2.21	73.89 0.85 -2.17	68.69 0.66 -1.78	61.61 0.71 -1.95	59.14 0.62 -1.96	59.06 0.68 -1.82	61.06 0.64 -1.90	62.31 0.60 -1.90	73.61 0.36 -1.82	85.83 0.74 -3.05	82.13 0.86 -2.95	74.10 0.50 -2.40	65.86 0.25 -2.61	61.98 0.06 -2.30	58.68 0.11 -2.07	58.87 0.11 -1.94
BEEBEE_GT_13 23619	64.01 -1.53 -9.04	62.47 -2.03 -8.17	62.04 -1.97 -7.73	62.11 -1.86 -7.64	62.67 -1.69 -7.92	65.56 -0.96 -9.85	82.93 -0.44 -10.20	89.66 -0.77 -12.99	85.04 -1.64 -8.44	77.74 -1.42 -8.29	71.92 -1.13 -6.81	65.40 -1.00 -7.46	62.69 -1.36 -7.49	62.16 -1.36 -6.96	64.76 -0.99 -7.24	66.07 -1.02 -7.27	76.18 -0.86 -5.60	90.30 -1.15 -9.41	86.24 -1.17 -9.10	77.75 -0.85 -7.41	70.21 -0.82 -8.03	65.70 -1.01 -7.09	61.47 -1.41 -6.38	61.91 -0.85 -5.94
BENSHRST_27_KV_BENSHRST_1 355998	137.50 5.82 -75.18	129.93 5.69 -67.91	126.16 5.57 -64.31	125.52 5.69 -63.51	128.12 5.81 -65.87	144.59 5.95 -81.96	166.04 7.98 -84.90	197.59 8.67 -111.48	208.71 9.00 -121.47	201.73 8.22 -122.64	198.20 7.88 -124.07	202.99 6.90 -137.15	205.77 6.45 -142.76	199.66 6.45 -136.65	200.60 6.73 -135.35	200.61 7.06 -133.74	242.19 8.57 -162.18	335.15 9.93 -243.19	315.67 9.55 -227.80	245.46 8.69 -165.58	241.27 7.62 -170.65	186.38 7.04 -119.72	175.57 6.16 -112.91	145.55 6.02 -82.71
BETHLEHEM___GRP 23843	151.13 1.92 -92.71	141.97 1.86 -83.78	137.54 1.91 -79.35	136.20 1.52 -78.35	139.17 1.47 -81.26	159.35 1.64 -101.03	179.79 1.98 -104.65	212.05 2.01 -132.59	166.76 2.35 -86.17	157.69 2.20 -84.62	137.91 2.19 -69.48	137.34 2.30 -76.10	135.24 2.26 -76.41	129.84 2.26 -71.02	134.79 2.40 -73.87	136.08 2.03 -74.24	131.03 2.36 -57.24	180.62 2.46 -96.12	173.58 2.35 -92.92	149.03 2.14 -75.69	146.92 1.89 -82.03	133.96 1.97 -72.37	123.77 2.09 -65.18	119.87 2.05 -61.00
BETHLEHEM___GS1 323560	151.13 1.92 -92.71	141.97 1.86 -83.78	137.54 1.91 -79.35	136.20 1.52 -78.35	139.17 1.47 -81.26	159.35 1.64 -101.03	179.79 1.98 -104.65	212.04 2.01 -132.59	166.76 2.35 -86.17	157.71 2.20 -84.64	137.92 2.18 -69.50	137.36 2.30 -76.12	135.26 2.26 -76.43	129.86 2.26 -71.03	134.81 2.40 -73.89	136.10 2.03 -74.25	131.03 2.35 -57.23	180.61 2.46 -96.12	173.57 2.35 -92.91	149.02 2.13 -75.69	146.91 1.89 -82.03	133.95 1.96 -72.37	123.76 2.09 -65.17	119.86 2.04 -61.00
BETHLEHEM___GS2 323561	151.13 1.92 -92.71	141.97 1.86 -83.78	137.54 1.91 -79.35	136.20 1.52 -78.35	139.17 1.47 -81.26	159.35 1.64 -101.03	179.79 1.98 -104.65	212.04 2.01 -132.59	166.76 2.35 -86.17	157.71 2.20 -84.64	137.92 2.18 -69.50	137.36 2.30 -76.12	135.26 2.26 -76.43	129.86 2.26 -71.03	134.81 2.40 -73.89	136.10 2.03 -74.25	131.03 2.35 -57.23	180.61 2.46 -96.12	173.57 2.35 -92.91	149.02 2.13 -75.69	146.91 1.89 -82.03	133.95 1.96 -72.37	123.76 2.09 -65.17	119.86 2.04 -61.00
BETHLEHEM___GS3 323562	151.13 1.92 -92.71	141.97 1.86 -83.78	137.54 1.91 -79.35	136.20 1.52 -78.35	139.17 1.47 -81.26	159.35 1.64 -101.03	179.79 1.98 -104.65	212.04 2.01 -132.59	166.76 2.35 -86.17	157.71 2.20 -84.64	137.92 2.18 -69.50	137.36 2.30 -76.12	135.26 2.26 -76.43	129.86 2.26 -71.03	134.81 2.40 -73.89	136.10 2.03 -74.25	131.03 2.35 -57.23	180.61 2.46 -96.12	173.57 2.35 -92.91	149.02 2.13 -75.69	146.91 1.89 -82.03	133.95 1.96 -72.37	123.76 2.09 -65.17	119.86 2.04 -61.00
BETHLEHEM___STEEL 23779	64.68 -3.95 -12.14	62.79 -4.51 -10.97	62.33 -4.33 -10.39	62.59 -4.00 -10.26	63.25 -3.84 -10.64	66.95 -2.95 -13.23	83.93 -2.93 -13.69	91.15 -3.72 -17.43	84.56 -5.01 -11.33	77.74 -4.25 -11.12	71.86 -3.51 -9.13	65.94 -3.01 -10.00	63.44 -3.17 -10.04	62.61 -3.28 -9.33	65.53 -2.69 -9.71	66.82 -2.75 -9.76	76.03 -2.93 -7.52	90.89 -3.77 -12.63	87.07 -3.45 -12.21	78.36 -2.78 -9.94	71.32 -2.46 -10.78	66.39 -2.74 -9.51	61.73 -3.33 -8.56	62.65 -2.16 -7.98
BETHLHEM_115KV_TB1 79974	151.19 2.03 -92.65	141.97 1.92 -83.73	137.54 1.97 -79.30	136.32 1.69 -78.30	139.29 1.64 -81.20	159.39 1.76 -100.97	179.94 2.19 -104.58	212.19 2.25 -132.51	166.94 2.58 -86.12	157.78 2.34 -84.57	138.00 2.32 -69.44	137.35 2.36 -76.05	135.24 2.32 -76.36	129.85 2.32 -70.97	134.80 2.46 -73.83	136.15 2.15 -74.19	131.21 2.57 -57.20	180.81 2.71 -96.06	173.75 2.58 -92.86	149.19 2.35 -75.65	147.06 2.08 -81.98	134.03 2.09 -72.33	123.84 2.20 -65.14	119.94 2.16 -60.96
BETHPAGE_CC_5 323564	149.27 6.22 -86.55	147.04 5.97 -84.74	145.67 5.85 -83.55	143.60 5.97 -81.30	145.74 6.10 -83.20	148.37 6.46 -85.24	165.26 7.83 -84.26	191.64 8.59 -105.61	159.80 8.99 -72.56	151.01 8.50 -71.64	151.77 8.08 -77.45	151.58 7.07 -85.57	150.80 6.67 -87.57	150.63 6.61 -87.45	150.80 6.96 -85.32	151.55 7.29 -84.44	155.32 8.78 -75.09	207.14 10.09 -115.02	182.29 9.63 -94.35	158.57 8.75 -78.62	155.73 7.75 -84.99	153.09 7.21 -86.26	147.90 6.44 -84.96	146.15 6.42 -82.91
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	64.72 -4.07 -12.28	62.81 -4.62 -11.10	62.34 -4.45 -10.51	62.60 -4.11 -10.38	63.26 -3.95 -10.77	67.00 -3.06 -13.39	84.02 -3.00 -13.85	91.36 -3.72 -17.63	84.70 -5.01 -11.46	77.87 -4.25 -11.25	71.97 -3.51 -9.24	66.06 -3.01 -10.12	63.55 -3.17 -10.16	62.72 -3.28 -9.44	65.65 -2.69 -9.82	66.93 -2.75 -9.87	76.19 -2.86 -7.61	91.12 -3.69 -12.78	87.30 -3.37 -12.35	78.55 -2.71 -10.06	71.51 -2.39 -10.90	66.50 -2.74 -9.62	61.83 -3.33 -8.66	62.74 -2.16 -8.08

BINGHAMTON___COGEN 23790	81.39 0.34 -24.56	78.58 0.06 -22.19	77.35 0.06 -21.02	77.19 0.11 -20.75	78.19 0.23 -21.52	84.00 0.57 -26.76	102.20 1.32 -27.72	113.86 1.24 -35.18	102.05 0.94 -22.86	94.17 0.85 -22.45	85.54 0.86 -18.43	79.78 0.65 -20.19	77.29 0.45 -20.27	75.80 0.40 -18.84	78.76 0.64 -19.60	80.28 0.78 -19.70	87.76 1.14 -15.18	108.76 1.23 -25.49	104.13 1.17 -24.64	92.41 1.14 -20.07	85.70 0.94 -21.76	79.53 0.72 -19.19	74.01 0.23 -17.29	73.54 0.57 -16.15
BIXINCNT_115KV_LOAD 355685	64.38 -5.08 -12.97	62.64 -5.41 -11.72	62.20 -5.18 -11.10	62.56 -4.73 -10.96	63.30 -4.52 -11.37	67.29 -3.51 -14.13	84.50 -3.29 -14.63	92.57 -3.48 -18.61	85.65 -4.69 -12.10	79.13 -3.61 -11.88	73.08 -2.91 -9.75	67.03 -2.59 -10.68	64.52 -2.77 -10.73	63.53 -3.00 -9.97	66.43 -2.46 -10.37	67.90 -2.33 -10.42	77.25 -2.21 -8.03	92.57 -2.95 -13.49	88.84 -2.51 -13.04	79.90 -1.92 -10.62	72.81 -1.70 -11.51	67.69 -2.09 -10.16	62.76 -2.88 -9.15	63.70 -1.65 -8.53
BLACK RIVER___HYD 24047	61.04 0.56 -3.98	60.26 0.34 -3.60	59.96 0.28 -3.41	60.25 0.56 -3.36	60.66 0.73 -3.49	61.80 0.79 -4.34	79.41 1.75 -4.49	84.93 2.32 -5.17	83.64 2.03 -3.36	75.87 1.70 -3.30	70.41 1.46 -2.71	63.15 1.24 -2.97	60.50 0.96 -2.98	60.40 1.07 -2.77	62.51 1.11 -2.88	63.96 1.26 -2.90	75.32 1.43 -2.46	88.29 2.13 -4.12	84.49 2.19 -3.99	76.15 1.71 -3.25	67.78 1.26 -3.52	63.68 0.95 -3.10	59.92 0.62 -2.80	60.01 0.57 -2.62
BLACKRVR_115KV_TB2 79977	61.04 0.56 -3.98	60.26 0.34 -3.60	59.96 0.28 -3.41	60.25 0.56 -3.36	60.67 0.73 -3.49	61.80 0.79 -4.34	79.41 1.76 -4.49	84.94 2.32 -5.17	83.64 2.03 -3.36	75.87 1.70 -3.30	70.41 1.46 -2.71	63.15 1.24 -2.97	60.50 0.96 -2.98	60.41 1.07 -2.77	62.51 1.11 -2.88	64.02 1.32 -2.90	75.10 1.43 -2.23	87.92 2.13 -3.75	84.13 2.19 -3.62	75.86 1.71 -2.95	67.46 1.26 -3.20	63.46 1.01 -2.82	59.66 0.62 -2.54	60.06 0.63 -2.62
BLISS_WT_PWR 323608	64.10 -5.37 -12.97	62.59 -5.46 -11.72	61.92 -5.46 -11.10	62.33 -4.96 -10.96	63.13 -4.68 -11.37	67.12 -3.68 -14.13	84.29 -3.51 -14.63	92.42 -3.64 -18.61	85.57 -4.78 -12.10	79.20 -3.54 -11.88	73.08 -2.91 -9.75	67.03 -2.59 -10.68	64.52 -2.77 -10.73	63.53 -3.00 -9.97	66.43 -2.46 -10.37	68.37 -1.85 -10.42	77.30 -2.14 -8.00	92.69 -2.79 -13.44	88.96 -2.35 -12.99	79.93 -1.85 -10.58	72.83 -1.64 -11.47	67.89 -1.85 -10.12	62.67 -2.94 -9.11	63.31 -2.04 -8.53
BLUESTONE___WT_PWR 323821	87.45 4.35 -26.60	84.25 3.88 -24.04	82.75 3.71 -22.77	82.87 4.06 -22.48	84.10 4.35 -23.31	90.36 4.70 -28.99	110.73 7.54 -30.03	123.60 8.05 -38.10	110.91 7.90 -24.76	102.13 6.95 -24.31	92.70 6.50 -19.96	86.59 5.78 -21.86	83.78 5.26 -21.95	82.16 5.20 -20.40	85.24 5.50 -21.22	87.06 5.92 -21.33	95.06 7.21 -16.41	118.14 8.53 -27.57	113.26 8.30 -26.65	100.24 7.33 -21.71	92.70 6.18 -23.53	85.80 5.42 -20.75	79.54 4.35 -18.69	78.98 4.66 -17.50
BLUE_CIRC_CHEM_DRP 24182	150.15 2.49 -91.16	141.14 2.42 -82.39	136.78 2.48 -78.03	135.69 2.31 -77.05	138.66 2.31 -79.90	158.34 2.32 -99.35	179.07 3.00 -102.90	210.84 3.02 -130.38	166.19 3.21 -84.73	157.06 2.98 -83.21	137.35 2.78 -68.32	136.43 2.65 -74.83	134.30 2.60 -75.14	128.99 2.60 -69.83	133.85 2.69 -72.64	135.44 2.63 -73.00	130.81 3.07 -56.30	180.03 3.45 -94.55	173.00 3.29 -91.40	148.64 2.99 -74.46	146.40 2.71 -80.69	133.43 2.62 -71.19	123.21 2.60 -64.11	119.44 2.61 -60.00
BOC_GAS_DRP 24189	150.91 2.09 -92.32	141.79 2.03 -83.43	137.32 2.03 -79.02	136.33 1.97 -78.03	139.34 1.98 -80.92	159.32 2.04 -100.61	180.01 2.63 -104.21	212.27 2.79 -132.04	167.03 2.97 -85.81	157.90 2.76 -84.27	138.08 2.65 -69.19	137.14 2.42 -75.78	134.97 2.32 -76.09	129.60 2.32 -70.72	134.48 2.40 -73.56	136.13 2.39 -73.93	131.29 2.86 -57.00	180.96 3.20 -95.72	173.89 3.05 -92.53	149.35 2.78 -75.38	147.15 2.46 -81.69	134.08 2.38 -72.07	123.66 2.26 -64.90	119.78 2.22 -60.75
BOONVILLE_115KV_TB1 79983	60.96 1.75 -2.70	60.35 1.58 -2.44	60.05 1.46 -2.31	60.30 1.69 -2.29	60.62 1.81 -2.37	61.54 1.93 -2.95	79.29 3.07 -3.05	84.28 4.49 -2.35	84.23 4.46 -1.53	76.26 3.90 -1.50	71.05 3.58 -1.23	63.47 3.18 -1.35	60.80 2.88 -1.35	60.70 2.88 -1.26	62.87 3.04 -1.31	64.29 3.17 -1.31	75.16 2.71 -1.01	87.10 3.36 -1.70	83.25 3.29 -1.64	75.31 2.78 -1.34	66.78 2.33 -1.45	62.93 2.03 -1.28	59.35 1.69 -1.15	60.42 1.82 -1.78
BORALEX_4TH_BRANCH 23824	152.38 3.39 -92.49	143.23 3.32 -83.58	138.75 3.32 -79.16	138.04 3.55 -78.17	141.06 3.56 -81.06	161.14 3.68 -100.79	182.46 4.90 -104.40	214.67 4.96 -132.27	169.69 5.48 -85.96	160.25 4.96 -84.42	140.06 4.50 -69.31	138.81 3.95 -75.92	136.47 3.68 -76.23	131.08 3.68 -70.85	136.13 3.92 -73.69	137.99 4.13 -74.06	133.46 4.93 -57.10	183.67 5.74 -95.89	176.40 5.40 -92.69	151.76 5.05 -75.51	149.24 4.41 -81.83	135.99 4.17 -72.19	125.42 3.90 -65.02	121.48 3.81 -60.85
BOWLINE___1 23526	133.65 4.24 -72.91	126.22 4.00 -65.89	122.61 3.94 -62.40	122.01 4.06 -61.62	124.47 4.12 -63.90	140.60 4.48 -79.46	161.39 5.92 -82.30	188.28 6.42 -104.42	154.49 6.73 -69.51	145.22 6.02 -68.33	135.09 5.76 -63.08	130.08 4.95 -66.18	128.61 4.64 -67.41	125.76 4.58 -64.62	123.92 4.80 -60.60	125.78 5.14 -60.83	131.41 6.14 -53.83	172.68 7.06 -83.58	165.49 6.74 -80.44	144.79 6.19 -67.41	138.88 5.42 -70.47	123.55 5.01 -58.92	114.14 4.41 -53.23	109.90 4.38 -48.71
BOWLINE___2 23595	133.66 4.24 -72.92	126.22 4.00 -65.90	122.62 3.94 -62.41	122.01 4.06 -61.63	124.47 4.12 -63.91	140.61 4.48 -79.46	161.40 5.92 -82.31	188.29 6.42 -104.43	154.49 6.73 -69.52	145.23 6.02 -68.34	135.10 5.76 -63.10	130.09 4.95 -66.19	128.62 4.64 -67.42	125.77 4.58 -64.63	123.93 4.80 -60.61	125.79 5.14 -60.83	131.42 6.14 -53.84	172.69 7.06 -83.60	165.50 6.74 -80.45	144.81 6.19 -67.42	138.89 5.42 -70.48	123.62 5.06 -58.93	114.15 4.41 -53.24	109.91 4.38 -48.71
BRADY___115KV_TB2 356060	55.54 -0.96 0.00	55.54 -0.79 0.00	55.48 -0.79 0.00	55.60 -0.73 0.00	55.71 -0.73 0.00	55.54 -1.13 0.00	70.24 -2.93 0.00	74.73 -2.71 0.00	75.58 -2.66 0.00	68.39 -2.48 0.00	63.99 -2.25 0.00	57.65 -1.30 0.00	55.94 -0.62 0.00	55.99 -0.57 0.00	57.52 -0.99 0.00	58.37 -1.44 0.00	68.94 -2.50 0.00	79.33 -2.71 0.00	75.73 -2.58 0.00	68.71 -2.49 0.00	60.73 -2.27 0.00	57.83 -1.79 0.00	55.77 -0.73 0.00	56.02 -0.80 0.00
BRANSCOMB___SOLAR 323811	155.33 3.73 -95.10	145.88 3.61 -85.94	141.33 3.66 -81.40	140.25 3.55 -80.38	143.46 3.67 -83.35	163.94 3.63 -103.64	185.78 5.27 -107.35	218.95 5.50 -136.01	172.28 5.64 -88.39	162.72 5.03 -86.82	142.09 4.57 -71.28	141.08 4.06 -78.07	138.81 3.85 -78.40	133.27 3.85 -72.86	138.40 4.09 -75.79	140.28 4.31 -76.16	135.36 5.21 -58.71	186.62 5.99 -98.59	179.56 5.95 -95.30	154.18 5.34 -77.64	151.86 4.73 -84.14	138.20 4.35 -74.23	127.36 4.01 -66.85	123.14 3.75 -62.57
BRENTWOD_69_KV_W. BRTWOOD 56703	149.95 6.89 -86.55	147.66 6.59 -84.74	146.35 6.53 -83.55	144.28 6.65 -81.30	146.41 6.77 -83.20	149.11 7.20 -85.24	164.87 8.34 -83.37	188.78 9.22 -102.13	159.86 9.39 -72.23	151.95 9.43 -71.66	152.58 8.88 -77.46	152.31 7.78 -85.58	151.49 7.35 -87.58	151.32 7.30 -87.47	151.58 7.72 -85.34	152.28 8.01 -84.46	156.11 9.57 -75.10	208.14 11.08 -115.02	183.08 10.42 -94.35	159.36 9.54 -78.63	156.38 8.38 -85.00	153.81 7.93 -86.26	148.58 7.12 -84.97	146.95 7.22 -82.91



BRISTLHL_115KV_TB1 79998	61.61 -0.90 -6.02	60.64 -1.13 -5.44	60.24 -1.18 -5.15	60.23 -1.18 -5.09	60.59 -1.13 -5.28	62.27 -0.96 -6.56	79.23 -0.73 -6.79	85.18 -0.93 -8.67	82.63 -1.25 -5.64	75.27 -1.13 -5.54	69.60 -1.19 -4.55	62.68 -1.24 -4.98	60.26 -1.30 -5.00	59.85 -1.36 -4.65	62.06 -1.29 -4.83	63.41 -1.26 -4.86	73.82 -1.36 -3.74	86.76 -1.56 -6.29	82.90 -1.49 -6.08	74.79 -1.35 -4.95	67.16 -1.20 -5.36	63.22 -1.13 -4.73	59.46 -1.30 -4.26	59.59 -1.19 -3.96
BROOKHAVEN___DRP 24191	150.17 7.12 -86.55	148.00 6.93 -84.74	146.63 6.81 -83.55	144.56 6.93 -81.30	146.75 7.11 -83.20	149.62 7.71 -85.24	165.85 9.00 -83.68	190.86 10.07 -103.35	160.45 9.86 -72.35	152.31 9.78 -71.66	152.91 9.21 -77.46	152.54 8.02 -85.58	151.72 7.58 -87.58	151.61 7.58 -87.47	151.87 8.02 -85.34	152.58 8.31 -84.46	156.68 10.14 -75.10	209.12 12.06 -115.02	184.02 11.36 -94.35	160.30 10.47 -78.63	157.29 9.26 -85.03	154.41 8.53 -86.26	148.98 7.51 -84.97	147.46 7.73 -82.91
BROOKLYN_NAVY_YARD 23515	136.86 5.19 -75.16	129.19 4.96 -67.91	125.42 4.84 -64.31	124.79 4.96 -63.50	127.39 5.08 -65.86	144.17 5.56 -81.94	165.28 7.25 -84.87	196.11 7.90 -110.77	198.78 8.14 -112.39	191.29 7.30 -113.13	187.23 6.89 -114.10	190.04 6.02 -125.08	192.22 5.66 -130.00	186.88 5.66 -124.67	186.51 5.91 -122.08	186.83 6.22 -120.80	195.20 7.50 -116.27	215.12 8.69 -124.39	204.80 8.30 -118.19	185.94 7.62 -107.12	185.63 6.61 -116.02	174.74 6.14 -108.98	164.44 5.59 -102.34	139.14 5.57 -76.75
BROOKLYN___ARMY_DRP 323595	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
BROOKVLE_69_KV_TB1 55790	149.38 6.33 -86.55	147.04 5.97 -84.74	145.73 5.91 -83.55	143.66 6.03 -81.30	145.79 6.15 -83.20	148.43 6.52 -85.24	166.14 8.19 -84.78	194.00 8.91 -107.65	160.23 9.23 -72.76	151.24 8.72 -71.66	152.05 8.35 -77.46	151.78 7.25 -85.58	150.93 6.79 -87.58	150.81 6.79 -87.47	151.00 7.14 -85.34	151.63 7.36 -84.46	155.54 9.00 -75.10	207.40 10.34 -115.02	182.53 9.87 -94.35	158.79 8.97 -78.62	155.87 7.87 -84.99	153.16 7.27 -86.26	147.96 6.50 -84.97	146.21 6.48 -82.91
BROOME_2_LFGE 323671	81.40 0.34 -24.56	78.63 0.11 -22.19	77.35 0.06 -21.02	77.19 0.11 -20.75	78.19 0.23 -21.52	84.00 0.57 -26.76	102.20 1.32 -27.72	113.86 1.24 -35.18	102.05 0.94 -22.86	94.17 0.85 -22.45	85.53 0.86 -18.43	79.78 0.65 -20.19	77.28 0.45 -20.27	75.85 0.45 -18.84	78.76 0.64 -19.60	80.40 0.90 -19.69	87.73 1.14 -15.15	108.72 1.23 -25.45	104.09 1.18 -24.60	92.37 1.14 -20.04	85.66 0.95 -21.72	79.55 0.77 -19.16	73.98 0.23 -17.25	73.42 0.45 -16.15
BROOME___LFGE 323600	81.40 0.34 -24.56	78.63 0.11 -22.19	77.35 0.06 -21.02	77.19 0.11 -20.75	78.19 0.23 -21.52	84.00 0.57 -26.76	102.20 1.32 -27.72	113.86 1.24 -35.18	102.05 0.94 -22.86	94.17 0.85 -22.45	85.53 0.86 -18.43	79.78 0.65 -20.19	77.28 0.45 -20.27	75.85 0.45 -18.84	78.76 0.64 -19.60	80.40 0.90 -19.69	87.73 1.14 -15.15	108.72 1.23 -25.45	104.09 1.18 -24.60	92.37 1.14 -20.04	85.66 0.95 -21.72	79.55 0.77 -19.16	73.98 0.23 -17.25	73.42 0.45 -16.15
BROWNFLS_115KV_TB_3_5 80003	57.37 -1.19 -2.06	57.00 -1.18 -1.86	56.85 -1.18 -1.76	57.00 -1.07 -1.74	57.29 -0.96 -1.80	57.67 -1.25 -2.24	73.37 -2.12 -2.32	78.19 -1.63 -2.38	78.07 -1.72 -1.55	70.69 -1.70 -1.52	65.83 -1.66 -1.25	59.25 -1.06 -1.36	57.20 -0.74 -1.37	57.16 -0.68 -1.27	58.91 -0.94 -1.33	60.00 -1.14 -1.33	70.46 -2.00 -1.03	81.71 -2.05 -1.72	78.18 -1.80 -1.67	70.63 -1.92 -1.36	62.64 -1.83 -1.47	59.31 -1.61 -1.30	56.71 -0.96 -1.17	57.15 -1.02 -1.35
BROWNSV1_27_KV_LOAD 356125	137.37 5.71 -75.16	129.59 5.35 -67.91	125.87 5.29 -64.31	125.24 5.41 -63.50	127.83 5.53 -65.86	144.56 5.95 -81.94	165.79 7.76 -84.87	196.65 8.44 -110.77	199.48 8.84 -112.39	192.02 8.01 -113.14	187.91 7.55 -114.11	190.58 6.54 -125.09	192.74 6.17 -130.02	187.41 6.17 -124.68	187.11 6.50 -122.10	187.39 6.76 -120.82	195.92 8.22 -116.27	215.79 9.35 -124.40	205.44 8.93 -118.20	186.51 8.19 -107.12	186.27 7.24 -116.03	175.29 6.68 -108.99	164.84 5.99 -102.35	139.54 5.97 -76.75
BURROWS___LYONSDAL 23803	60.72 1.47 -2.75	60.05 1.24 -2.49	59.81 1.18 -2.36	60.01 1.35 -2.33	60.38 1.52 -2.41	61.31 1.64 -3.00	78.91 2.63 -3.11	83.94 3.95 -2.55	83.82 3.91 -1.66	75.83 3.33 -1.63	70.63 3.05 -1.34	63.12 2.71 -1.47	60.52 2.49 -1.47	60.42 2.49 -1.37	62.52 2.57 -1.42	63.99 2.75 -1.43	74.82 2.29 -1.10	86.76 2.87 -1.85	83.00 2.90 -1.79	75.08 2.42 -1.46	66.53 1.95 -1.58	62.69 1.67 -1.39	59.17 1.41 -1.26	60.11 1.48 -1.81
CAITHNESS_CC_1 323624	150.06 7.00 -86.55	147.88 6.81 -84.74	146.52 6.69 -83.55	144.44 6.81 -81.30	146.58 6.94 -83.20	149.39 7.48 -85.24	165.50 8.63 -83.70	190.48 9.60 -103.44	160.30 9.70 -72.36	151.87 9.35 -71.64	152.69 9.01 -77.44	152.35 7.84 -85.57	151.53 7.41 -87.56	151.42 7.41 -87.45	151.69 7.84 -85.32	152.45 8.19 -84.44	156.39 9.86 -75.09	208.62 11.57 -115.02	183.54 10.88 -94.35	159.86 10.04 -78.63	156.91 8.88 -85.03	154.16 8.28 -86.26	148.75 7.29 -84.96	147.11 7.38 -82.91
CALPINE BETH_PAGE_GT4 24209	149.27 6.21 -86.55	146.98 5.91 -84.74	145.67 5.85 -83.55	143.60 5.97 -81.30	145.74 6.10 -83.20	148.37 6.46 -85.24	165.53 7.90 -84.46	192.44 8.60 -106.40	159.80 8.92 -72.64	151.10 8.58 -71.66	151.78 8.08 -77.46	151.54 7.01 -85.58	150.76 6.62 -87.58	150.64 6.62 -87.47	150.82 6.96 -85.34	151.51 7.24 -84.46	155.32 8.79 -75.10	207.15 10.09 -115.02	182.30 9.63 -94.35	158.58 8.76 -78.62	155.74 7.75 -84.99	153.10 7.21 -86.26	147.91 6.44 -84.97	146.15 6.42 -82.91
CALPINE_BETH_PAGE_GT_4 323586	149.27 6.22 -86.55	147.04 5.97 -84.74	145.67 5.85 -83.55	143.60 5.97 -81.30	145.74 6.10 -83.20	148.37 6.46 -85.24	165.53 7.90 -84.46	192.44 8.59 -106.40	159.88 8.99 -72.64	151.01 8.50 -71.64	151.77 8.08 -77.45	151.52 7.01 -85.57	150.74 6.61 -87.57	150.63 6.61 -87.45	150.80 6.96 -85.33	151.55 7.29 -84.44	155.32 8.78 -75.09	207.14 10.09 -115.02	182.29 9.63 -94.35	158.57 8.75 -78.62	155.73 7.75 -84.99	153.09 7.21 -86.26	147.84 6.38 -84.96	146.09 6.36 -82.91
CALPINE_BP_GT1 23823	149.27 6.22 -86.55	147.04 5.97 -84.74	145.67 5.85 -83.55	143.60 5.97 -81.30	145.74 6.10 -83.20	148.37 6.46 -85.24	165.53 7.90 -84.46	192.44 8.59 -106.40	159.88 8.99 -72.64	151.01 8.50 -71.64	151.77 8.08 -77.45	151.52 7.01 -85.57	150.74 6.61 -87.57	150.63 6.61 -87.45	150.80 6.96 -85.33	151.55 7.29 -84.44	155.32 8.78 -75.09	207.14 10.09 -115.02	182.29 9.63 -94.35	158.57 8.75 -78.62	155.73 7.75 -84.99	153.09 7.21 -86.26	147.84 6.38 -84.96	146.09 6.36 -82.91
CALSPAN___DRP 24200	64.68 -3.95 -12.14	62.79 -4.51 -10.97	62.33 -4.33 -10.39	62.59 -4.00 -10.26	63.25 -3.84 -10.64	66.95 -2.95 -13.23	83.93 -2.93 -13.69	91.15 -3.72 -17.43	84.56 -5.01 -11.33	77.74 -4.25 -11.12	71.86 -3.51 -9.13	65.94 -3.01 -10.00	63.44 -3.17 -10.04	62.61 -3.28 -9.33	65.53 -2.69 -9.71	66.82 -2.75 -9.76	76.03 -2.93 -7.52	90.89 -3.77 -12.63	87.07 -3.45 -12.21	78.36 -2.78 -9.94	71.32 -2.46 -10.78	66.39 -2.74 -9.51	61.73 -3.33 -8.56	62.65 -2.16 -7.98

CALVERTON___SOLAR 323806	150.34 7.29 -86.55	148.22 7.15 -84.74	146.80 6.98 -83.55	144.73 7.10 -81.30	146.92 7.28 -83.20	149.84 7.93 -85.24	166.13 9.29 -83.67	191.28 10.53 -103.31	160.91 10.33 -72.34	152.43 9.92 -71.64	153.16 9.47 -77.44	152.76 8.25 -85.57	151.93 7.81 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.61 12.55 -115.02	184.48 11.83 -94.35	160.72 10.89 -78.63	157.67 9.64 -85.03	154.70 8.82 -86.26	149.14 7.68 -84.96	147.57 7.84 -82.91
CANDIGU_WT_PWR 323617	71.19 -2.03 -16.72	69.19 -2.25 -15.11	68.33 -2.25 -14.31	68.38 -2.08 -14.13	69.29 -1.81 -14.66	73.76 -1.13 -18.22	91.68 -0.36 -18.88	100.65 -0.77 -23.98	92.27 -1.56 -15.59	84.82 -1.35 -15.30	77.82 -0.99 -12.57	71.76 -0.95 -13.76	69.08 -1.30 -13.82	68.05 -1.36 -12.84	70.88 -1.00 -13.36	72.70 -0.54 -13.42	81.26 -0.50 -10.32	98.47 -0.90 -17.33	94.36 -0.71 -16.75	84.42 -0.42 -13.65	77.35 -0.44 -14.79	72.07 -0.60 -13.05	66.84 -1.41 -11.75	66.97 -0.85 -11.00
CARR STREET_E_SYR 24060	62.78 -0.62 -6.90	61.55 -1.01 -6.24	61.11 -1.07 -5.91	61.09 -1.07 -5.83	61.53 -0.96 -6.05	63.45 -0.74 -7.52	80.52 -0.44 -7.79	86.80 -0.70 -10.06	83.85 -0.94 -6.54	76.51 -0.78 -6.42	70.72 -0.79 -5.27	63.89 -0.83 -5.77	61.40 -0.96 -5.80	61.04 -0.91 -5.39	63.25 -0.88 -5.60	64.66 -0.78 -5.63	74.84 -0.85 -4.26	88.21 -0.98 -7.15	84.20 -1.02 -6.91	75.98 -0.85 -5.63	68.35 -0.75 -6.10	64.23 -0.78 -5.38	60.27 -1.08 -4.85	60.34 -1.02 -4.54
CARTHAGE___PAPER 23857	60.19 0.11 -3.58	59.51 -0.06 -3.23	59.22 -0.11 -3.06	59.47 0.11 -3.03	59.86 0.28 -3.14	60.86 0.28 -3.90	78.09 0.88 -4.04	83.48 1.55 -4.49	82.49 1.33 -2.92	74.72 0.99 -2.86	69.39 0.80 -2.35	62.23 0.71 -2.58	59.71 0.57 -2.59	59.64 0.68 -2.40	61.60 0.59 -2.50	62.98 0.66 -2.51	74.21 0.57 -2.21	86.90 1.15 -3.71	83.15 1.25 -3.59	74.98 0.86 -2.92	66.73 0.57 -3.17	62.71 0.30 -2.79	59.18 0.17 -2.52	59.34 0.17 -2.35
CASSADAGA_WT_PWR 323784	65.62 -3.84 -12.96	63.48 -4.56 -11.71	62.92 -4.45 -11.09	63.84 -3.44 -10.95	64.42 -3.39 -11.36	68.64 -2.15 -14.12	86.69 -1.10 -14.62	94.88 -1.16 -18.60	87.83 -2.51 -12.09	80.83 -1.91 -11.87	74.66 -1.32 -9.74	68.61 -1.00 -10.67	66.03 -1.24 -10.72	65.16 -1.36 -9.96	68.18 -0.70 -10.36	69.92 -0.30 -10.41	79.15 -0.28 -8.00	94.73 -0.74 -13.43	90.98 -0.31 -12.98	81.77 0.00 -10.58	74.46 0.00 -11.46	69.44 -0.30 -10.11	64.02 -1.58 -9.11	64.66 -0.68 -8.52
CE_DUNWOOD___DRP 24194	136.15 4.75 -74.90	128.47 4.45 -67.69	124.77 4.39 -64.11	124.14 4.51 -63.30	126.72 4.63 -65.65	143.23 4.93 -81.63	164.23 6.51 -84.55	191.82 7.05 -107.34	157.92 7.43 -72.25	148.72 6.73 -71.12	141.49 6.36 -68.89	135.50 5.48 -71.07	134.50 5.15 -72.80	132.34 5.15 -70.63	127.42 5.38 -63.52	129.15 5.62 -63.72	137.85 6.86 -59.55	179.58 7.79 -89.75	171.97 7.44 -86.22	151.09 6.83 -73.06	144.34 6.05 -75.29	126.71 5.54 -61.55	117.10 4.92 -55.68	112.19 4.94 -50.43
CE_MILLWOOD___DRP 24193	135.63 4.58 -74.56	128.04 4.34 -67.38	124.36 4.28 -63.81	123.73 4.39 -63.01	126.25 4.46 -65.35	142.68 4.76 -81.25	163.62 6.29 -84.16	191.14 6.89 -106.81	156.97 7.20 -71.53	147.78 6.52 -70.39	139.15 6.16 -66.75	133.62 5.30 -69.37	132.41 4.98 -70.87	129.94 4.98 -68.40	126.40 5.21 -62.67	128.13 5.44 -62.88	135.44 6.64 -57.36	177.18 7.55 -87.59	169.73 7.20 -84.22	148.83 6.62 -71.01	142.50 5.86 -73.64	125.86 5.43 -60.81	116.28 4.80 -54.98	111.62 4.77 -50.02
CE_NYC2_DRP 24202	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.67 5.36 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.40 6.31 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.07 7.79 -128.85	222.84 8.86 -131.94	212.01 8.54 -125.16	193.58 7.83 -114.55	196.00 6.93 -126.08	185.78 6.44 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
CE_NYC_DRP 24195	136.92 5.25 -75.16	129.19 4.96 -67.90	125.47 4.90 -64.31	124.84 5.01 -63.50	127.44 5.14 -65.86	144.11 5.50 -81.94	165.20 7.17 -84.87	195.88 7.82 -110.62	196.90 8.14 -110.52	189.42 7.37 -111.18	185.25 6.96 -112.05	187.62 6.07 -122.60	189.71 5.77 -127.38	184.48 5.71 -122.21	183.90 6.03 -119.35	184.24 6.28 -118.15	192.68 7.57 -113.67	213.57 8.70 -122.84	203.29 8.22 -116.76	184.33 7.55 -105.59	183.84 6.68 -114.16	172.59 6.20 -106.77	162.20 5.54 -100.17	137.85 5.51 -75.52
CHAFFEE___LFGE 323603	65.10 -3.96 -12.56	63.39 -4.28 -11.35	62.63 -4.39 -10.75	62.88 -4.06 -10.61	63.55 -3.89 -11.00	67.40 -2.95 -13.68	84.40 -2.93 -14.16	91.90 -3.56 -18.02	85.03 -4.93 -11.71	78.26 -4.11 -11.50	72.24 -3.45 -9.44	66.34 -2.95 -10.34	63.83 -3.11 -10.38	62.99 -3.22 -9.65	65.92 -2.63 -10.04	67.56 -2.33 -10.09	76.32 -2.86 -7.75	91.36 -3.69 -13.01	87.60 -3.29 -12.58	78.74 -2.71 -10.25	71.77 -2.33 -11.10	66.92 -2.50 -9.80	61.82 -3.50 -8.82	62.41 -2.67 -8.26
CHATEAUG_35_KV_LOAD 355732	55.77 -0.73 0.00	55.82 -0.51 0.00	55.71 -0.56 0.00	55.82 -0.51 0.00	55.99 -0.45 0.00	56.22 -0.45 0.00	71.63 -1.54 0.00	76.05 -1.39 0.00	76.99 -1.25 0.00	69.73 -1.13 0.00	65.32 -0.93 0.00	58.35 -0.59 0.00	56.16 -0.40 0.00	56.28 -0.28 0.00	58.17 -0.35 0.00	59.57 -0.24 0.00	71.08 -0.36 0.00	81.96 -0.08 0.00	78.23 -0.08 0.00	70.98 -0.21 0.00	62.75 -0.25 0.00	59.50 -0.12 0.00	56.67 0.17 0.00	56.99 0.17 0.00
CHATEAUG_WT_PWR 323614	55.59 -0.91 0.00	55.59 -0.73 0.00	55.54 -0.73 0.00	55.65 -0.67 0.00	55.88 -0.56 0.00	56.10 -0.57 0.00	71.41 -1.76 0.00	75.81 -1.63 0.00	76.84 -1.41 0.00	69.59 -1.27 0.00	65.25 -0.99 0.00	58.30 -0.65 0.00	56.11 -0.45 0.00	56.17 -0.39 0.00	58.17 -0.35 0.00	59.33 -0.48 0.00	71.08 -0.36 0.00	81.87 -0.16 0.00	78.16 -0.16 0.00	70.84 -0.35 0.00	62.68 -0.31 0.00	59.33 -0.30 0.00	56.67 0.17 0.00	57.05 0.23 0.00
CHAT_HIGH_FALL_HYD 323578	55.77 -0.73 0.00	55.82 -0.51 0.00	55.71 -0.56 0.00	55.82 -0.51 0.00	55.99 -0.45 0.00	56.22 -0.45 0.00	71.63 -1.54 0.00	76.05 -1.39 0.00	76.99 -1.25 0.00	69.73 -1.13 0.00	65.32 -0.93 0.00	58.35 -0.59 0.00	56.16 -0.40 0.00	56.28 -0.28 0.00	58.17 -0.35 0.00	59.57 -0.24 0.00	71.08 -0.36 0.00	81.96 -0.08 0.00	78.23 -0.08 0.00	70.98 -0.21 0.00	62.75 -0.25 0.00	59.50 -0.12 0.00	56.67 0.17 0.00	56.99 0.17 0.00
CHAUTAUQUA___LFGE 323629	65.59 -3.56 -12.64	63.81 -3.94 -11.43	63.10 -3.99 -10.82	63.52 -3.49 -10.69	64.14 -3.39 -11.08	68.07 -2.38 -13.78	85.46 -1.97 -14.27	93.11 -2.48 -18.15	86.21 -3.83 -11.79	79.26 -3.19 -11.58	73.23 -2.52 -9.51	67.24 -2.12 -10.41	64.70 -2.32 -10.46	63.91 -2.37 -9.72	66.81 -1.81 -10.11	68.53 -1.44 -10.16	77.52 -1.72 -7.80	92.68 -2.46 -13.10	88.87 -2.11 -12.67	79.95 -1.57 -10.32	72.79 -1.39 -11.18	67.88 -1.61 -9.87	62.73 -2.65 -8.89	63.32 -1.82 -8.32
CHERRYST_13_KV_LD 356241	137.03 5.37 -75.16	129.36 5.13 -67.90	125.59 5.01 -64.31	125.01 5.18 -63.50	127.61 5.31 -65.86	144.28 5.67 -81.94	165.42 7.39 -84.87	196.19 8.13 -110.62	197.21 8.45 -110.52	189.70 7.65 -111.18	185.52 7.22 -112.05	187.85 6.31 -122.60	189.94 6.00 -127.38	184.71 5.94 -122.21	184.13 6.26 -119.35	184.47 6.52 -118.15	193.04 7.93 -113.67	213.90 9.02 -122.84	203.61 8.54 -116.76	184.62 7.83 -105.59	184.09 6.93 -114.16	172.77 6.38 -106.77	162.37 5.71 -100.17	138.08 5.74 -75.52

CHESTROR_138KV_BK263 355645	130.27 3.73 -70.04	123.12 3.49 -63.30	119.66 3.43 -59.95	119.07 3.55 -59.20	121.45 3.61 -61.39	136.91 3.91 -76.33	157.50 5.27 -79.06	183.30 5.65 -100.21	149.56 5.87 -65.44	140.40 5.24 -64.29	128.05 4.97 -56.84	123.59 4.24 -60.40	121.69 3.96 -61.17	118.56 3.96 -58.04	118.98 4.15 -56.31	120.75 4.37 -56.57	124.33 5.36 -47.54	164.97 6.15 -76.78	158.21 5.87 -74.03	137.91 5.41 -61.30	132.52 4.72 -64.80	118.96 4.35 -54.98	109.83 3.79 -49.55	106.63 3.81 -46.01
CH_MIDHUDSON___DRP 24192	137.30 5.03 -75.77	129.53 4.73 -68.47	125.74 4.61 -64.85	125.21 4.84 -64.04	127.76 4.91 -66.41	144.57 5.33 -82.57	165.86 7.17 -85.52	193.32 7.51 -108.37	156.57 7.90 -70.43	147.19 7.16 -69.16	129.65 6.62 -56.79	126.80 5.66 -62.19	124.22 5.20 -62.45	119.80 5.20 -58.04	124.39 5.50 -60.37	126.22 5.74 -60.67	125.81 7.29 -47.09	169.65 8.53 -79.08	162.89 8.14 -76.44	140.66 7.19 -62.27	136.91 6.43 -67.49	124.94 5.78 -59.54	115.09 4.97 -53.62	111.94 4.94 -50.18
CH_MISC_IPPS 23765	136.40 4.91 -74.99	128.77 4.67 -67.77	125.01 4.56 -64.18	124.44 4.73 -63.38	126.96 4.80 -65.73	143.66 5.27 -81.72	164.84 7.02 -84.65	192.06 7.36 -107.25	155.70 7.75 -69.70	146.99 7.09 -69.04	129.48 6.56 -56.68	126.63 5.60 -62.08	124.10 5.20 -62.34	119.64 5.15 -57.94	124.22 5.44 -60.26	126.17 5.80 -60.56	125.33 7.21 -46.68	168.88 8.45 -78.39	162.16 8.07 -75.78	140.05 7.12 -61.73	136.26 6.36 -66.90	124.43 5.78 -59.02	114.57 4.91 -53.15	111.46 4.89 -49.75
CH_RES_BVR_FALLS 23983	55.59 -0.91 0.00	55.54 -0.79 0.00	55.54 -0.73 0.00	55.54 -0.79 0.00	55.65 -0.79 0.00	55.71 -0.96 0.00	71.56 -1.61 0.00	75.81 -1.63 0.00	76.68 -1.56 0.00	69.45 -1.42 0.00	64.92 -1.32 0.00	57.94 -1.00 0.00	55.71 -0.85 0.00	55.71 -0.85 0.00	57.58 -0.94 0.00	58.67 -1.14 0.00	70.08 -1.36 0.00	80.48 -1.56 0.00	76.82 -1.49 0.00	69.84 -1.35 0.00	61.80 -1.20 0.00	58.55 -1.07 0.00	55.76 -0.74 0.00	56.08 -0.74 0.00
CH_RES_NIAGARA 23895	62.57 -5.14 -11.21	61.05 -5.41 -10.13	60.30 -5.57 -9.60	60.51 -5.30 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.81 -7.90 -10.46	74.34 -6.80 -10.27	68.65 -6.03 -8.43	62.99 -5.19 -9.24	60.58 -5.26 -9.28	59.86 -5.32 -8.62	62.75 -4.74 -8.97	64.40 -4.43 -9.01	72.86 -5.50 -6.92	86.85 -6.81 -11.62	83.12 -6.42 -11.23	74.93 -5.41 -9.15	68.19 -4.73 -9.92	63.72 -4.65 -8.75	59.06 -5.31 -7.88	59.70 -4.49 -7.37
CH_RES_SYRACUSE 23985	64.03 -0.11 -7.65	62.90 -0.34 -6.91	62.43 -0.39 -6.55	62.40 -0.39 -6.46	62.87 -0.28 -6.70	64.89 -0.11 -8.33	82.17 0.37 -8.63	88.72 0.23 -11.05	85.42 0.00 -7.18	77.92 0.00 -7.05	71.96 -0.07 -5.79	65.11 -0.18 -6.34	62.59 -0.34 -6.37	62.14 -0.34 -5.92	64.38 -0.29 -6.15	65.88 -0.12 -6.18	76.01 -0.14 -4.72	89.80 -0.16 -7.93	85.82 -0.16 -7.66	77.37 -0.07 -6.24	69.64 -0.13 -6.76	65.47 -0.12 -5.97	61.42 -0.45 -5.37	61.45 -0.39 -5.03
CLINTON_WT_PWR 323605	55.59 -0.91 0.00	55.59 -0.73 0.00	55.54 -0.73 0.00	55.65 -0.67 0.00	55.88 -0.56 0.00	56.10 -0.57 0.00	71.41 -1.76 0.00	75.81 -1.63 0.00	76.84 -1.41 0.00	69.59 -1.27 0.00	65.25 -0.99 0.00	58.30 -0.65 0.00	56.11 -0.45 0.00	56.17 -0.39 0.00	58.17 -0.35 0.00	59.33 -0.48 0.00	71.08 -0.36 0.00	81.87 -0.16 0.00	78.16 -0.16 0.00	70.84 -0.35 0.00	62.68 -0.31 0.00	59.33 -0.30 0.00	56.67 0.17 0.00	57.05 0.23 0.00
CLINTON___LFGE 323618	56.50 0.00 0.00	56.44 0.11 0.00	56.39 0.11 0.00	56.55 0.23 0.00	56.78 0.34 0.00	57.12 0.45 0.00	72.66 -0.51 0.00	77.21 -0.23 0.00	78.17 -0.08 0.00	70.73 -0.14 0.00	66.31 0.07 0.00	59.24 0.30 0.00	57.01 0.45 0.00	57.07 0.51 0.00	59.04 0.53 0.00	60.35 0.54 0.00	72.30 0.86 0.00	83.35 1.31 0.00	79.56 1.25 0.00	72.12 0.92 0.00	63.76 0.76 0.00	60.28 0.66 0.00	57.52 1.02 0.00	57.90 1.08 0.00
COBBLENY_34_KV_TB1 80064	65.10 -3.95 -12.56	63.11 -4.56 -11.35	62.69 -4.33 -10.75	62.88 -4.06 -10.61	63.55 -3.89 -11.00	67.41 -2.95 -13.68	84.40 -2.93 -14.16	91.90 -3.56 -18.02	85.11 -4.85 -11.71	78.19 -4.18 -11.50	72.24 -3.44 -9.44	66.34 -2.95 -10.34	63.84 -3.11 -10.39	62.99 -3.22 -9.65	65.92 -2.63 -10.04	67.15 -2.75 -10.09	76.36 -2.86 -7.78	91.41 -3.69 -13.06	87.65 -3.29 -12.62	78.78 -2.71 -10.28	71.75 -2.39 -11.15	66.77 -2.68 -9.83	62.02 -3.33 -8.85	62.92 -2.16 -8.26
COFFEEN___115KV_TB3 355620	61.57 1.02 -4.05	60.72 0.73 -3.66	60.41 0.68 -3.47	60.76 1.01 -3.42	61.12 1.13 -3.55	62.33 1.25 -4.41	80.22 2.49 -4.57	85.83 3.10 -5.29	84.42 2.74 -3.44	76.51 2.27 -3.38	71.00 1.99 -2.77	63.69 1.71 -3.04	61.03 1.41 -3.05	60.87 1.47 -2.84	62.99 1.52 -2.95	64.57 1.79 -2.96	75.86 2.14 -2.28	88.83 2.95 -3.84	85.07 3.05 -3.71	76.64 2.42 -3.02	68.16 1.89 -3.27	64.00 1.49 -2.89	60.17 1.07 -2.60	60.56 1.08 -2.66
COLDSPRG_115KV_BK1 355956	66.54 -3.33 -13.37	64.30 -4.11 -12.09	63.84 -3.88 -11.45	64.53 -3.10 -11.30	65.23 -2.94 -11.72	69.49 -1.76 -14.57	87.52 -0.73 -15.09	96.09 -0.54 -19.19	88.92 -1.80 -12.47	81.77 -1.35 -12.25	75.57 -0.73 -10.06	69.43 -0.53 -11.01	66.83 -0.79 -11.06	65.82 -1.02 -10.28	68.86 -0.35 -10.69	70.20 -0.36 -10.74	79.79 0.07 -8.28	95.53 -0.41 -13.91	91.68 -0.08 -13.44	82.36 0.21 -10.95	74.99 0.13 -11.87	69.68 -0.42 -10.47	64.52 -1.41 -9.43	65.39 -0.23 -8.80
COLONIE_LFGE___ 323577	153.36 2.88 -93.98	144.07 2.82 -84.93	139.52 2.81 -80.44	138.63 2.87 -79.43	141.69 2.88 -82.37	162.03 2.95 -102.41	183.27 4.02 -106.08	215.95 4.10 -134.41	170.05 4.46 -87.35	160.70 4.04 -85.80	140.39 3.71 -70.44	139.40 3.30 -77.15	137.20 3.17 -77.47	131.73 3.17 -72.00	136.75 3.33 -74.90	138.54 3.47 -75.27	133.59 4.14 -58.02	184.14 4.67 -97.43	177.03 4.54 -94.18	152.05 4.13 -76.72	149.80 3.65 -83.15	136.43 3.46 -73.36	125.78 3.22 -66.06	121.72 3.07 -61.83
COOPERNY_115KV_TB1 80082	116.45 2.88 -57.07	110.61 2.70 -51.58	107.77 2.64 -48.85	107.32 2.76 -48.23	109.29 2.82 -50.02	121.93 3.06 -62.19	141.68 4.10 -64.42	163.50 4.41 -81.64	136.06 4.62 -53.20	127.30 4.18 -52.25	114.86 3.97 -44.64	110.40 3.36 -48.10	108.20 3.11 -48.52	105.28 3.11 -45.61	107.49 3.28 -45.69	109.19 3.47 -45.91	112.75 4.21 -37.10	147.87 4.84 -60.99	141.81 4.62 -58.88	123.86 4.27 -48.39	118.52 3.78 -51.74	107.73 3.40 -44.71	99.72 2.94 -40.28	97.37 3.01 -37.54
COPENHAGEN_WT_PWR 323753	61.12 0.45 -4.18	60.33 0.23 -3.77	60.02 0.17 -3.57	60.25 0.40 -3.53	60.67 0.56 -3.66	61.85 0.62 -4.55	79.42 1.54 -4.71	84.96 2.01 -5.51	83.54 1.72 -3.58	75.80 1.42 -3.52	70.32 1.19 -2.89	63.11 1.00 -3.16	60.53 0.79 -3.17	60.36 0.85 -2.95	62.46 0.88 -3.07	63.91 1.02 -3.08	75.23 1.21 -2.58	88.09 1.73 -4.33	84.30 1.80 -4.18	75.95 1.35 -3.41	67.70 1.00 -3.69	63.65 0.77 -3.26	59.88 0.45 -2.93	59.97 0.40 -2.75
CORNELL_____ 23752	75.29 1.58 -17.21	73.12 1.24 -15.55	72.18 1.18 -14.73	72.06 1.18 -14.54	72.94 1.41 -15.08	77.12 1.70 -18.75	95.66 3.07 -19.42	105.26 3.10 -24.72	97.13 2.82 -16.06	88.98 2.34 -15.78	81.25 2.05 -12.95	74.90 1.77 -14.19	72.28 1.47 -14.25	71.21 1.41 -13.24	73.87 1.58 -13.77	75.50 1.85 -13.84	84.75 2.64 -10.67	103.15 3.20 -17.91	98.68 3.05 -17.31	88.08 2.78 -14.11	80.62 2.33 -15.29	75.08 1.97 -13.49	70.00 1.36 -12.15	69.73 1.59 -11.32

CORONA__69_KV_TB1 355595	149.15 6.10 -86.55	146.87 5.80 -84.74	145.51 5.68 -83.55	143.43 5.80 -81.30	145.57 5.93 -83.20	148.20 6.29 -85.24	165.84 7.90 -84.78	193.69 8.60 -107.65	159.92 8.92 -72.76	150.89 8.36 -71.66	151.65 7.95 -77.46	151.48 6.96 -85.58	150.70 6.56 -87.58	150.53 6.50 -87.47	150.70 6.85 -85.34	151.39 7.12 -84.46	155.18 8.64 -75.10	206.99 9.93 -115.02	182.14 9.48 -94.35	158.51 8.69 -78.62	155.68 7.69 -84.99	152.92 7.04 -86.26	147.74 6.27 -84.97	146.04 6.31 -82.91
CORTLAND__115KV_TB3 80093	71.36 1.02 -13.85	69.57 0.73 -12.51	68.85 0.73 -11.85	68.76 0.73 -11.70	69.48 0.90 -12.14	72.89 1.13 -15.09	90.99 2.19 -15.63	99.50 2.01 -20.04	93.07 1.80 -13.03	85.22 1.56 -12.79	78.14 1.39 -10.50	71.57 1.12 -11.50	69.02 0.90 -11.55	68.14 0.85 -10.73	70.68 0.99 -11.17	72.23 1.20 -11.22	81.87 1.79 -8.65	98.69 2.13 -14.52	94.39 2.04 -14.04	84.48 1.85 -11.44	76.90 1.51 -12.39	71.87 1.31 -10.93	67.19 0.85 -9.85	66.95 1.02 -9.11
COXSACKIE__GT 23611	148.40 4.18 -87.72	139.60 4.00 -79.27	135.29 3.94 -75.08	134.18 3.72 -74.14	137.11 3.78 -76.88	156.46 4.19 -95.59	177.67 5.49 -99.02	208.24 5.34 -125.46	165.42 5.64 -81.54	155.74 4.68 -80.19	136.13 4.04 -65.84	134.77 3.72 -72.11	132.48 3.51 -72.41	127.37 3.51 -67.30	132.27 3.75 -70.00	133.87 3.71 -70.35	130.66 5.00 -54.23	178.93 5.83 -91.06	171.98 5.64 -88.02	147.53 4.63 -71.71	144.81 4.09 -77.72	131.94 3.76 -68.56	121.75 3.50 -61.75	118.08 3.47 -57.79
CPV_VALLEY__CC1 323721	125.22 3.22 -65.50	118.56 3.04 -59.19	115.31 2.98 -56.06	114.78 3.10 -55.36	117.01 3.16 -57.41	131.45 3.40 -71.38	151.64 4.54 -73.93	176.10 4.96 -93.70	144.49 5.16 -61.09	135.41 4.60 -59.94	122.25 4.37 -51.64	118.17 3.78 -55.45	116.06 3.51 -55.99	112.82 3.51 -52.75	114.64 3.69 -52.44	116.38 3.89 -52.68	119.15 4.71 -43.00	157.83 5.41 -70.38	151.40 5.17 -67.92	131.90 4.77 -55.93	126.79 4.16 -59.63	114.80 3.87 -51.30	106.05 3.33 -46.22	103.16 3.29 -43.04
CPV_VALLEY__CC2 323722	125.22 3.22 -65.50	118.56 3.04 -59.19	115.31 2.98 -56.06	114.78 3.10 -55.36	117.01 3.16 -57.41	131.45 3.40 -71.38	151.64 4.54 -73.93	176.10 4.96 -93.70	144.49 5.16 -61.09	135.41 4.60 -59.94	122.25 4.37 -51.64	118.17 3.78 -55.45	116.06 3.51 -55.99	112.82 3.51 -52.75	114.64 3.69 -52.44	116.38 3.89 -52.68	119.15 4.71 -43.00	157.83 5.41 -70.38	151.40 5.17 -67.92	131.90 4.77 -55.93	126.79 4.16 -59.63	114.80 3.87 -51.30	106.05 3.33 -46.22	103.16 3.29 -43.04
CRESCENT__HYD 24018	153.36 2.88 -93.98	144.07 2.82 -84.93	139.52 2.81 -80.44	138.63 2.87 -79.43	141.69 2.88 -82.37	162.03 2.95 -102.41	183.27 4.02 -106.08	215.95 4.10 -134.41	170.05 4.46 -87.35	160.70 4.04 -85.80	140.39 3.71 -70.44	139.40 3.30 -77.15	137.20 3.17 -77.47	131.73 3.17 -72.00	136.75 3.33 -74.90	138.54 3.47 -75.27	133.59 4.14 -58.02	184.14 4.67 -97.43	177.03 4.54 -94.18	152.05 4.13 -76.72	149.80 3.65 -83.15	136.43 3.46 -73.36	125.78 3.22 -66.06	121.72 3.07 -61.83
CRICKET__VALLEY_CC1 323756	140.24 3.79 -79.96	132.24 3.66 -72.26	128.31 3.60 -68.43	127.68 3.77 -67.57	130.30 3.78 -70.08	147.83 4.02 -87.13	168.69 5.27 -90.25	197.37 5.58 -114.35	158.51 5.94 -74.32	149.32 5.46 -72.99	131.28 5.10 -59.93	129.01 4.42 -65.64	126.60 4.13 -65.91	121.94 4.13 -61.26	126.63 4.39 -63.72	128.45 4.61 -64.03	126.29 5.50 -49.36	171.24 6.32 -82.89	164.38 5.95 -80.12	141.95 5.48 -65.27	138.65 4.92 -70.74	126.56 4.53 -62.41	116.77 4.07 -56.20	113.40 3.98 -52.61
CRICKET__VALLEY_CC2 323757	140.24 3.79 -79.96	132.24 3.66 -72.26	128.31 3.60 -68.43	127.68 3.77 -67.57	130.30 3.78 -70.08	147.83 4.02 -87.13	168.69 5.27 -90.25	197.37 5.58 -114.35	158.51 5.94 -74.32	149.32 5.46 -72.99	131.28 5.10 -59.93	129.01 4.42 -65.64	126.60 4.13 -65.91	121.94 4.13 -61.26	126.63 4.39 -63.72	128.45 4.61 -64.03	126.29 5.50 -49.36	171.24 6.32 -82.89	164.38 5.95 -80.12	141.95 5.48 -65.27	138.65 4.92 -70.74	126.56 4.53 -62.41	116.77 4.07 -56.20	113.40 3.98 -52.61
CRICKET__VALLEY_CC3 323758	140.24 3.79 -79.96	132.24 3.66 -72.26	128.31 3.60 -68.43	127.68 3.77 -67.57	130.30 3.78 -70.08	147.83 4.02 -87.13	168.69 5.27 -90.25	197.37 5.58 -114.35	158.51 5.94 -74.32	149.32 5.46 -72.99	131.28 5.10 -59.93	129.01 4.42 -65.64	126.60 4.13 -65.91	121.94 4.13 -61.26	126.63 4.39 -63.72	128.45 4.61 -64.03	126.29 5.50 -49.36	171.24 6.32 -82.89	164.38 5.95 -80.12	141.95 5.48 -65.27	138.65 4.92 -70.74	126.56 4.53 -62.41	116.77 4.07 -56.20	113.40 3.98 -52.61
CRUCIBLE_METL_DRP 24180	64.03 -0.11 -7.65	62.84 -0.39 -6.91	62.42 -0.39 -6.55	62.40 -0.39 -6.46	62.86 -0.28 -6.70	64.89 -0.11 -8.33	82.16 0.37 -8.63	88.72 0.23 -11.05	85.42 0.00 -7.18	77.92 0.00 -7.05	71.97 -0.07 -5.79	65.11 -0.18 -6.34	62.59 -0.34 -6.37	62.08 -0.40 -5.92	64.38 -0.29 -6.16	65.76 -0.24 -6.19	76.06 -0.14 -4.77	89.88 -0.16 -8.01	85.89 -0.16 -7.74	77.43 -0.07 -6.30	69.70 -0.13 -6.83	65.47 -0.18 -6.03	61.53 -0.40 -5.43	61.57 -0.28 -5.03
DAHOWA__HYDRO 323763	155.75 3.95 -95.30	146.28 3.83 -86.12	141.72 3.88 -81.56	140.59 3.72 -80.54	143.86 3.89 -83.52	164.38 3.86 -103.85	186.37 5.63 -107.57	219.61 5.88 -136.29	172.84 6.03 -88.58	163.25 5.38 -87.00	142.57 4.90 -71.43	141.54 4.36 -78.23	139.19 4.07 -78.56	133.64 4.07 -73.01	138.79 4.33 -75.94	140.73 4.61 -76.32	135.77 5.50 -58.83	187.23 6.40 -98.79	180.15 6.34 -95.50	154.69 5.70 -77.80	152.35 5.04 -84.31	138.66 4.65 -74.38	127.73 4.24 -66.99	123.44 3.92 -62.70
DANC__LFGE 323619	61.25 -0.11 -4.86	60.44 -0.28 -4.40	60.10 -0.34 -4.16	60.21 -0.22 -4.11	60.59 -0.11 -4.26	61.92 -0.06 -5.30	79.24 0.58 -5.49	84.90 0.77 -6.69	83.06 0.47 -4.35	75.56 0.43 -4.27	70.01 0.27 -3.50	62.96 0.18 -3.84	60.41 0.00 -3.85	60.20 0.06 -3.58	62.30 0.06 -3.73	63.79 0.24 -3.74	74.65 0.21 -3.00	87.49 0.41 -5.04	83.74 0.55 -4.87	75.45 0.29 -3.97	67.43 0.13 -4.30	63.48 0.06 -3.80	59.69 -0.23 -3.42	59.79 -0.23 -3.20
DANSKAMMER__1 23586	136.40 4.91 -74.99	128.77 4.67 -67.77	125.01 4.56 -64.18	124.44 4.73 -63.38	126.96 4.80 -65.73	143.66 5.27 -81.72	164.84 7.02 -84.65	192.06 7.36 -107.25	155.70 7.75 -69.70	146.99 7.09 -69.04	129.48 6.56 -56.68	126.63 5.60 -62.08	124.10 5.20 -62.34	119.64 5.15 -57.94	124.22 5.44 -60.26	126.17 5.80 -60.56	125.33 7.21 -46.68	168.88 8.45 -78.39	162.16 8.07 -75.78	140.05 7.12 -61.73	136.26 6.36 -66.90	124.43 5.78 -59.02	114.57 4.91 -53.15	111.46 4.89 -49.75
DANSKAMMER__2 23589	136.40 4.91 -74.99	128.77 4.67 -67.77	125.01 4.56 -64.18	124.44 4.73 -63.38	126.96 4.80 -65.73	143.66 5.27 -81.72	164.84 7.02 -84.65	192.06 7.36 -107.25	155.70 7.75 -69.70	146.99 7.09 -69.04	129.48 6.56 -56.68	126.63 5.60 -62.08	124.10 5.20 -62.34	119.64 5.15 -57.94	124.22 5.44 -60.26	126.17 5.80 -60.56	125.33 7.21 -46.68	168.88 8.45 -78.39	162.16 8.07 -75.78	140.05 7.12 -61.73	136.26 6.36 -66.90	124.43 5.78 -59.02	114.57 4.91 -53.15	111.46 4.89 -49.75
DANSKAMMER__3 23590	136.40 4.91 -74.99	128.77 4.67 -67.77	125.01 4.56 -64.18	124.44 4.73 -63.38	126.96 4.80 -65.73	143.66 5.27 -81.72	164.84 7.02 -84.65	192.06 7.36 -107.25	155.70 7.75 -69.70	146.99 7.09 -69.04	129.48 6.56 -56.68	126.63 5.60 -62.08	124.10 5.20 -62.34	119.64 5.15 -57.94	124.22 5.44 -60.26	126.17 5.80 -60.56	125.33 7.21 -46.68	168.88 8.45 -78.39	162.16 8.07 -75.78	140.05 7.12 -61.73	136.26 6.36 -66.90	124.43 5.78 -59.02	114.57 4.91 -53.15	111.46 4.89 -49.75

DANSKAMMER___4 23591	136.40 4.91 -74.99	128.77 4.67 -67.77	125.01 4.56 -64.18	124.44 4.73 -63.38	126.96 4.80 -65.73	143.66 5.27 -81.72	164.84 7.02 -84.65	192.06 7.36 -107.25	155.70 7.75 -69.70	146.99 7.09 -69.04	129.48 6.56 -56.68	126.63 5.60 -62.08	124.10 5.20 -62.34	119.64 5.15 -57.94	124.22 5.44 -60.26	126.17 5.80 -60.56	125.33 7.21 -46.68	168.88 8.45 -78.39	162.16 8.07 -75.78	140.05 7.12 -61.73	136.26 6.36 -66.90	124.43 5.78 -59.02	114.57 4.91 -53.15	111.46 4.89 -49.75
DANSKAMMER___DIESEL 23592	136.41 4.92 -74.99	128.72 4.62 -67.77	125.02 4.56 -64.18	124.44 4.73 -63.38	126.97 4.80 -65.73	143.66 5.27 -81.72	164.84 7.02 -84.65	192.05 7.36 -107.25	155.70 7.75 -69.70	146.41 7.09 -68.45	129.00 6.56 -56.20	126.10 5.60 -61.56	123.58 5.20 -61.81	119.15 5.15 -57.45	123.71 5.44 -59.76	125.60 5.74 -60.05	125.34 7.22 -46.68	168.89 8.45 -78.40	162.16 8.07 -75.78	140.05 7.12 -61.74	136.27 6.36 -66.91	124.37 5.72 -59.03	114.63 4.97 -53.16	111.52 4.94 -49.75
DARBY___SOLAR 323810	155.40 3.79 -95.11	145.94 3.66 -85.95	141.39 3.71 -81.41	140.26 3.55 -80.38	143.53 3.72 -83.36	164.00 3.68 -103.65	185.86 5.34 -107.36	219.05 5.58 -136.03	172.44 5.79 -88.40	162.87 5.17 -86.83	142.24 4.70 -71.29	141.21 4.19 -78.08	138.92 3.96 -78.40	133.39 3.96 -72.87	138.47 4.16 -75.80	140.34 4.36 -76.17	135.44 5.29 -58.71	186.71 6.07 -98.60	179.65 6.03 -95.31	154.25 5.41 -77.65	151.93 4.79 -84.15	138.27 4.41 -74.24	127.43 4.07 -66.86	123.15 3.75 -62.58
DASHVILLE___HYD 23610	137.56 3.56 -77.50	129.69 3.32 -70.04	125.76 3.15 -66.34	125.27 3.44 -65.50	127.93 3.56 -67.93	145.10 3.97 -84.46	165.92 5.27 -87.48	193.86 5.58 -110.85	156.23 5.95 -72.04	147.07 5.46 -70.75	129.36 5.03 -58.09	126.69 4.13 -63.62	124.18 3.73 -63.88	119.66 3.73 -59.37	124.25 3.98 -61.76	126.12 4.25 -62.06	125.01 5.50 -48.07	169.25 6.48 -80.73	162.46 6.11 -78.03	140.18 5.41 -63.57	136.74 4.85 -68.90	124.70 4.29 -60.78	114.85 3.62 -54.74	111.57 3.52 -51.23
DEERFIELD_69_KV_DEERFIELD LD 355887	151.24 8.19 -86.55	148.96 7.89 -84.74	147.59 7.77 -83.55	145.52 7.89 -81.30	147.71 8.07 -83.20	150.75 8.84 -85.24	167.51 10.68 -83.66	192.71 12.00 -103.26	162.16 11.58 -72.34	153.73 11.20 -71.66	154.23 10.53 -77.46	153.66 9.14 -85.58	152.79 8.65 -87.58	152.62 8.60 -87.47	152.93 9.07 -85.34	153.72 9.45 -84.46	158.18 11.64 -75.10	211.25 14.19 -115.02	186.13 13.47 -94.35	162.22 12.39 -78.63	158.99 10.96 -85.04	155.84 9.96 -86.26	150.17 8.70 -84.97	148.71 8.98 -82.91
DELAWARE___LFGE 323621	92.11 2.60 -33.01	88.58 2.42 -29.83	86.89 2.36 -28.25	86.76 2.53 -27.90	88.03 2.65 -28.93	95.48 2.83 -35.97	114.60 4.17 -37.26	129.10 4.41 -47.24	113.49 4.54 -30.70	105.06 4.04 -30.15	94.84 3.84 -24.76	89.36 3.30 -27.11	86.84 3.05 -27.23	84.86 3.00 -25.30	88.00 3.16 -26.32	89.55 3.29 -26.45	95.89 4.07 -20.39	121.03 4.76 -34.24	115.95 4.54 -33.09	102.29 4.13 -26.96	95.74 3.53 -29.22	88.56 3.16 -25.78	82.37 2.66 -23.21	81.31 2.78 -21.71
DERFIELD_115KV_TB7 355931	57.35 0.85 0.00	57.17 0.84 0.00	57.06 0.79 0.00	57.17 0.84 0.00	57.35 0.90 0.00	57.63 0.96 0.00	74.48 1.32 0.00	78.91 1.47 0.00	72.21 1.35 0.00	67.50 1.26 0.00	60.06 1.12 0.00	57.52 0.96 0.00	57.52 0.96 0.00	59.57 1.05 0.00	60.95 1.14 0.00	72.79 1.36 0.00	83.60 1.56 0.00	79.80 1.49 0.00	72.55 1.35 0.00	64.13 1.13 0.00	60.70 1.07 0.00	57.46 0.96 0.00	57.79 0.97 0.00	
DOGLEVILLE___HYD 23807	58.98 2.48 0.00	58.69 2.37 0.00	58.58 2.31 0.00	58.75 2.42 0.00	58.99 2.54 0.00	59.34 2.66 0.00	76.90 3.73 0.00	81.54 4.10 0.00	82.47 4.22 0.00	74.69 3.82 0.00	69.88 3.64 0.00	62.13 3.18 0.00	59.50 2.94 0.00	59.56 3.00 0.00	61.73 3.22 0.00	63.28 3.47 0.00	75.58 4.14 0.00	86.79 4.76 0.00	82.93 4.62 0.00	75.32 4.13 0.00	66.59 3.59 0.00	63.14 3.52 0.00	59.66 3.16 0.00	60.11 3.29 0.00
DUNKIRK___115KV_TB_200 55889	65.55 -3.56 -12.61	63.50 -4.22 -11.40	63.07 -4.00 -10.80	63.38 -3.60 -10.66	64.06 -3.44 -11.06	67.92 -2.49 -13.75	85.28 -2.12 -14.23	92.83 -2.71 -18.11	85.94 -4.07 -11.77	79.02 -3.40 -11.56	73.01 -2.72 -9.49	67.04 -2.30 -10.39	64.51 -2.49 -10.43	63.66 -2.60 -9.70	66.61 -1.99 -10.09	67.85 -2.09 -10.14	77.25 -2.00 -7.81	92.37 -2.79 -13.12	88.57 -2.43 -12.68	79.68 -1.85 -10.33	72.56 -1.64 -11.20	67.53 -1.97 -9.88	62.68 -2.71 -8.90	63.58 -1.53 -8.30
DUNKIRK___1 23563	65.55 -3.56 -12.61	63.50 -4.22 -11.40	63.07 -4.00 -10.80	63.38 -3.60 -10.66	64.06 -3.44 -11.06	67.92 -2.49 -13.75	85.28 -2.12 -14.23	92.83 -2.71 -18.11	85.94 -4.07 -11.77	79.02 -3.40 -11.56	73.01 -2.72 -9.49	67.04 -2.30 -10.39	64.51 -2.49 -10.43	63.66 -2.60 -9.70	66.61 -1.99 -10.09	67.85 -2.09 -10.14	77.25 -2.00 -7.81	92.37 -2.79 -13.12	88.57 -2.43 -12.68	79.68 -1.85 -10.33	72.56 -1.64 -11.20	67.53 -1.97 -9.88	62.68 -2.71 -8.90	63.58 -1.53 -8.30
DUNKIRK___2 23564	65.55 -3.56 -12.61	63.50 -4.22 -11.40	63.07 -4.00 -10.80	63.38 -3.60 -10.66	64.06 -3.44 -11.06	67.92 -2.49 -13.75	85.28 -2.12 -14.23	92.83 -2.71 -18.11	85.94 -4.07 -11.77	79.02 -3.40 -11.56	73.01 -2.72 -9.49	67.04 -2.30 -10.39	64.51 -2.49 -10.43	63.66 -2.60 -9.70	66.61 -1.99 -10.09	67.85 -2.09 -10.14	77.25 -2.00 -7.81	92.37 -2.79 -13.12	88.57 -2.43 -12.68	79.68 -1.85 -10.33	72.56 -1.64 -11.20	67.53 -1.97 -9.88	62.68 -2.71 -8.90	63.58 -1.53 -8.30
DUNKIRK___3 23565	65.42 -3.73 -12.65	63.42 -4.34 -11.43	62.99 -4.11 -10.83	63.25 -3.77 -10.69	63.92 -3.61 -11.09	67.74 -2.72 -13.79	84.95 -2.49 -14.27	92.42 -3.18 -18.16	85.58 -4.46 -11.80	78.63 -3.83 -11.59	72.64 -3.11 -9.51	66.71 -2.65 -10.42	64.20 -2.83 -10.46	63.34 -2.94 -9.72	66.23 -2.40 -10.12	67.52 -2.45 -10.17	76.84 -2.43 -7.83	91.91 -3.28 -13.16	88.13 -2.90 -12.72	79.28 -2.28 -10.36	72.21 -2.02 -11.23	67.20 -2.33 -9.91	62.37 -3.05 -8.92	63.26 -1.88 -8.32
DUNKIRK___4 23566	65.13 -3.73 -12.36	63.16 -4.34 -11.17	62.75 -4.11 -10.58	63.06 -3.72 -10.45	63.67 -3.61 -10.83	67.48 -2.66 -13.47	84.70 -2.41 -13.95	92.16 -3.02 -17.74	85.47 -4.30 -11.53	78.51 -3.69 -11.32	72.56 -2.98 -9.30	66.59 -2.53 -10.18	64.07 -2.71 -10.23	63.24 -2.83 -9.50	66.18 -2.22 -9.89	67.47 -2.27 -9.93	76.81 -2.29 -7.66	91.86 -3.04 -12.86	88.00 -2.74 -12.43	79.19 -2.14 -10.13	72.08 -1.89 -10.97	67.10 -2.21 -9.68	62.34 -2.88 -8.72	63.25 -1.70 -8.13
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	136.55 4.92 -75.14	128.85 4.62 -67.90	125.14 4.56 -64.31	124.51 4.68 -63.50	127.10 4.80 -65.85	143.71 5.16 -81.88	164.71 6.73 -84.81	192.49 7.28 -107.77	159.40 7.59 -73.57	150.23 6.87 -72.49	176.97 6.56 -104.17	158.27 5.66 -93.67	161.73 5.32 -99.85	167.75 5.32 -105.87	129.39 5.56 -65.31	131.08 5.80 -65.47	173.01 7.07 -94.50	215.13 8.04 -125.05	204.79 7.67 -118.80	186.01 7.05 -107.76	167.94 6.24 -98.70	128.44 5.78 -63.03	118.76 5.14 -57.11	111.35 5.11 -49.42
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	133.70 4.24 -72.96	126.26 4.00 -65.93	122.60 3.88 -62.45	122.05 4.06 -61.66	124.57 4.18 -63.95	140.71 4.53 -79.51	161.59 6.07 -82.35	188.23 6.43 -104.36	152.90 6.73 -67.93	144.03 6.45 -66.72	128.35 5.96 -56.14	124.88 5.07 -60.87	122.55 4.69 -61.30	118.57 4.64 -57.37	121.74 4.92 -58.30	123.60 5.20 -58.59	125.12 6.50 -47.18	167.87 7.63 -78.21	161.05 7.20 -75.53	139.54 6.48 -61.87	135.29 5.80 -66.50	122.74 5.19 -57.93	113.20 4.52 -52.18	110.02 4.49 -48.71

E179THST_138_KV_TB4_REV_LBMP_J 345001	136.84 5.20 -75.14	129.20 4.96 -67.91	125.48 4.90 -64.31	124.90 5.07 -63.51	127.39 5.08 -65.87	143.94 5.38 -81.89	165.08 7.10 -84.82	192.73 7.59 -107.70	159.02 7.98 -72.80	149.85 7.30 -71.68	176.53 6.96 -103.33	157.61 6.01 -92.66	160.99 5.66 -98.78	167.08 5.66 -104.86	128.62 5.91 -64.20	130.35 6.16 -64.38	172.31 7.43 -93.44	214.90 8.45 -124.41	204.74 8.22 -118.21	185.88 7.55 -107.14	167.61 6.68 -97.94	127.95 6.20 -62.13	118.16 5.42 -56.24	112.96 5.40 -50.74
E179THST_13_KV_LOAD 356214	137.07 5.42 -75.14	129.42 5.18 -67.91	125.71 5.12 -64.31	125.13 5.29 -63.51	127.62 5.31 -65.87	144.17 5.61 -81.89	165.45 7.46 -84.82	193.12 7.98 -107.70	159.42 8.37 -72.80	150.21 7.65 -71.68	176.86 7.29 -103.33	157.91 6.31 -92.66	161.28 5.94 -98.78	167.36 5.94 -104.86	128.92 6.20 -64.20	130.65 6.46 -64.38	172.73 7.86 -93.44	215.39 8.94 -124.41	205.14 8.61 -118.21	186.23 7.90 -107.14	167.99 7.06 -97.94	128.25 6.50 -62.13	118.45 5.71 -56.24	113.18 5.63 -50.74
EAST HAMPTON___GT 23717	151.58 8.53 -86.55	149.29 8.22 -84.74	147.87 8.05 -83.55	145.74 8.11 -81.30	147.99 8.35 -83.20	151.04 9.13 -85.24	167.94 11.12 -83.66	193.17 12.47 -103.26	162.71 12.13 -72.34	153.85 11.34 -71.64	154.61 10.93 -77.44	153.94 9.43 -85.57	153.12 8.99 -87.56	152.89 8.88 -87.45	153.26 9.42 -85.32	154.18 9.93 -84.44	158.67 12.14 -75.09	211.91 14.85 -115.02	186.84 14.18 -94.35	162.92 13.10 -78.63	159.68 11.65 -85.03	156.55 10.67 -86.26	150.73 9.27 -84.96	149.10 9.37 -82.91
EAST RIVER___6 23660	136.80 5.14 -75.16	129.13 4.90 -67.90	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.21 7.17 -84.87	195.96 7.90 -110.62	196.98 8.21 -110.52	189.47 7.44 -111.16	185.37 7.09 -112.04	187.72 6.19 -122.59	190.15 6.22 -127.37	184.98 6.22 -122.19	184.41 6.55 -119.34	184.82 6.88 -118.13	193.31 8.21 -113.67	214.30 9.43 -122.83	203.99 8.92 -116.75	184.89 8.11 -105.58	184.33 7.18 -114.16	173.00 6.62 -106.76	162.54 5.88 -100.16	138.19 5.85 -75.52
EAST RIVER___7 23524	136.80 5.14 -75.16	129.13 4.90 -67.90	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.21 7.17 -84.87	195.96 7.90 -110.62	196.98 8.21 -110.52	189.47 7.44 -111.16	185.37 7.09 -112.04	187.72 6.19 -122.59	190.15 6.22 -127.37	184.98 6.22 -122.19	184.41 6.55 -119.34	184.82 6.88 -118.13	193.31 8.21 -113.67	214.30 9.43 -122.83	203.99 8.92 -116.75	184.89 8.11 -105.58	184.33 7.18 -114.16	173.00 6.62 -106.76	162.54 5.88 -100.16	138.19 5.85 -75.52
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	136.15 4.75 -74.90	128.47 4.45 -67.69	124.77 4.39 -64.11	124.14 4.51 -63.30	126.72 4.63 -65.65	143.23 4.93 -81.63	164.23 6.51 -84.55	191.82 7.05 -107.34	157.92 7.43 -72.25	148.72 6.73 -71.12	141.49 6.36 -68.89	135.50 5.48 -71.07	134.50 5.15 -72.80	132.34 5.15 -70.63	127.42 5.38 -63.52	129.15 5.62 -63.72	137.85 6.86 -59.55	179.58 7.79 -89.75	171.97 7.44 -86.22	151.09 6.83 -73.06	144.34 6.05 -75.29	126.71 5.54 -61.55	117.10 4.92 -55.68	112.19 4.94 -50.43
EAST_HAMPTON___DIESEL 23722	151.52 8.47 -86.55	149.23 8.16 -84.74	147.81 7.99 -83.55	145.69 8.05 -81.30	147.99 8.35 -83.20	150.98 9.07 -85.24	167.94 11.12 -83.66	193.09 12.39 -103.26	162.71 12.13 -72.34	153.78 11.27 -71.64	154.61 10.93 -77.44	153.94 9.43 -85.57	153.06 8.93 -87.56	152.83 8.82 -87.45	153.20 9.36 -85.32	154.12 9.87 -84.44	158.61 12.08 -75.09	211.91 14.85 -115.02	186.84 14.18 -94.35	162.85 13.03 -78.63	159.68 11.65 -85.03	156.55 10.67 -86.26	150.73 9.27 -84.96	149.10 9.37 -82.91
EAST_PULASKI___ESR 323781	61.51 -0.51 -5.52	60.58 -0.73 -4.99	60.21 -0.79 -4.72	60.26 -0.73 -4.66	60.60 -0.68 -4.84	62.12 -0.57 -6.01	79.25 -0.15 -6.23	85.10 -0.15 -7.82	82.85 -0.47 -5.08	75.43 -0.43 -4.99	69.87 -0.46 -4.10	62.90 -0.53 -4.49	60.39 -0.68 -4.50	60.07 -0.68 -4.19	62.23 -0.64 -4.35	63.65 -0.54 -4.38	74.17 -0.64 -3.37	86.96 -0.74 -5.66	83.16 -0.63 -5.48	75.02 -0.64 -4.46	67.26 -0.57 -4.83	63.29 -0.60 -4.26	59.61 -0.73 -3.84	59.77 -0.68 -3.63
EAST_RIVER___1 323558	136.92 5.26 -75.16	129.19 4.96 -67.90	125.47 4.89 -64.31	124.84 5.01 -63.50	127.44 5.14 -65.86	144.10 5.50 -81.94	165.21 7.17 -84.87	195.88 7.82 -110.62	196.90 8.14 -110.52	189.40 7.37 -111.16	185.24 6.95 -112.04	187.60 6.07 -122.59	189.70 5.77 -127.37	184.47 5.71 -122.19	183.89 6.03 -119.34	184.28 6.34 -118.13	192.67 7.57 -113.67	213.56 8.69 -122.83	203.28 8.22 -116.75	184.32 7.54 -105.58	183.83 6.67 -114.16	172.58 6.20 -106.76	162.20 5.54 -100.16	137.79 5.46 -75.52
EAST_RIVER___2 323559	136.80 5.14 -75.16	129.13 4.90 -67.90	125.36 4.78 -64.31	124.73 4.90 -63.50	127.32 5.02 -65.86	144.05 5.44 -81.94	165.21 7.17 -84.87	195.96 7.90 -110.62	196.98 8.21 -110.52	189.47 7.44 -111.16	185.37 7.09 -112.04	187.72 6.19 -122.59	190.15 6.22 -127.37	184.98 6.22 -122.19	184.41 6.55 -119.34	184.82 6.88 -118.13	193.31 8.21 -113.67	214.30 9.43 -122.83	203.99 8.92 -116.75	184.89 8.11 -105.58	184.33 7.18 -114.16	173.00 6.62 -106.76	162.54 5.88 -100.16	138.19 5.85 -75.52
EAST___DELAWARE_HYD 23607	129.31 4.97 -67.84	122.31 4.67 -61.31	118.84 4.50 -58.06	118.45 4.79 -57.33	120.81 4.91 -59.46	136.04 5.44 -73.93	157.05 7.32 -76.57	182.13 7.67 -97.03	149.29 7.98 -63.06	140.23 7.15 -62.21	123.94 6.62 -51.07	120.49 5.60 -55.94	116.30 3.57 -56.17	112.27 3.51 -52.20	116.57 3.75 -54.30	118.45 4.07 -54.57	118.78 5.29 -42.06	158.99 6.32 -70.64	152.62 6.03 -68.28	132.01 5.19 -55.62	129.64 6.36 -60.28	118.53 5.72 -53.18	109.25 4.86 -47.90	106.48 4.83 -44.83
EIGHT_POINT___WT_PWR 323820	70.46 -1.52 -15.48	68.51 -1.80 -13.99	67.78 -1.74 -13.25	67.89 -1.52 -13.08	68.82 -1.19 -13.57	73.20 -0.34 -16.87	91.52 0.88 -17.47	100.27 0.62 -22.21	92.52 -0.16 -14.43	85.04 0.00 -14.17	78.08 0.20 -11.64	71.75 0.06 -12.74	68.90 -0.45 -12.80	68.00 -0.45 -11.89	70.89 0.00 -12.37	72.78 0.54 -12.43	81.85 0.86 -9.55	98.82 0.74 -16.04	94.68 0.86 -15.51	84.83 1.00 -12.63	77.45 0.76 -13.69	72.18 0.47 -12.08	66.92 -0.45 -10.88	67.12 0.11 -10.18
ELBRIDGE_115KV_TB2 80188	64.13 -0.45 -8.08	62.90 -0.73 -7.30	62.46 -0.73 -6.92	62.43 -0.73 -6.83	62.91 -0.62 -7.08	65.08 -0.40 -8.81	82.29 0.00 -9.12	88.95 -0.15 -11.66	85.35 -0.47 -7.58	77.89 -0.43 -7.44	71.89 -0.46 -6.11	65.05 -0.59 -6.69	62.55 -0.74 -6.72	62.07 -0.74 -6.25	64.37 -0.64 -6.50	65.74 -0.60 -6.53	75.97 -0.50 -5.03	89.91 -0.57 -8.45	85.93 -0.55 -8.17	77.35 -0.50 -6.65	69.77 -0.44 -7.21	65.51 -0.48 -6.36	61.55 -0.68 -5.73	61.57 -0.57 -5.32
ELEC_TRO_TEK 24086	148.76 5.71 -86.55	146.53 5.46 -84.74	145.17 5.35 -83.55	143.10 5.46 -81.30	145.23 5.59 -83.20	147.86 5.95 -85.24	165.33 7.39 -84.78	193.14 8.05 -107.65	159.37 8.37 -72.76	150.54 8.01 -71.66	151.25 7.55 -77.46	151.07 6.54 -85.58	150.31 6.17 -87.58	150.19 6.17 -87.47	150.29 6.44 -85.34	150.97 6.70 -84.46	154.68 8.14 -75.10	206.41 9.35 -115.02	181.59 8.93 -94.35	157.94 8.12 -78.62	155.17 7.18 -84.99	152.56 6.68 -86.26	147.40 5.93 -84.97	145.70 5.97 -82.91
ELLENBURG_WT_PWR 323604	55.59 -0.91 0.00	55.59 -0.73 0.00	55.54 -0.73 0.00	55.65 -0.67 0.00	55.88 -0.56 0.00	56.10 -0.57 0.00	71.41 -1.76 0.00	75.81 -1.63 0.00	76.84 -1.41 0.00	69.59 -1.27 0.00	65.25 -0.99 0.00	58.30 -0.65 0.00	56.11 -0.45 0.00	56.17 -0.39 0.00	58.17 -0.35 0.00	59.33 -0.48 0.00	71.08 -0.36 0.00	81.87 -0.16 0.00	78.16 -0.16 0.00	70.84 -0.35 0.00	62.68 -0.31 0.00	59.33 -0.30 0.00	56.67 0.17 0.00	57.05 0.23 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	64.33 -4.07 -11.89	62.46 -4.62 -10.75	62.01 -4.45 -10.18	62.27 -4.11 -10.05	62.86 -4.01 -10.42	66.52 -3.12 -12.96	83.44 -3.15 -13.42	90.49 -4.03 -17.08	84.02 -5.32 -11.10	77.16 -4.61 -10.90	71.35 -3.84 -8.95	65.44 -3.30 -9.80	62.95 -3.45 -9.84	62.14 -3.56 -9.15	65.05 -2.98 -9.51	66.32 -3.05 -9.56	75.59 -3.21 -7.37	90.23 -4.18 -12.37	86.44 -3.84 -11.96	77.81 -3.13 -9.74	70.79 -2.77 -10.56	65.90 -3.04 -9.32	61.33 -3.56 -8.39	62.26 -2.39 -7.82
EMPIRE_CC_1 323656	148.35 2.32 -89.53	139.38 2.14 -80.91	135.21 2.31 -76.63	134.31 2.31 -75.67	137.23 2.32 -78.47	156.62 2.38 -97.57	177.08 2.85 -101.06	208.43 2.94 -128.05	164.75 3.29 -83.22	155.65 3.05 -81.74	136.27 2.91 -67.11	135.10 2.65 -73.50	132.97 2.60 -73.81	127.76 2.60 -68.60	132.56 2.69 -71.35	134.27 2.75 -71.70	130.00 3.29 -55.27	178.38 3.53 -92.82	171.32 3.29 -89.72	147.35 3.06 -73.09	144.92 2.71 -79.21	132.25 2.74 -69.88	122.32 2.88 -62.94	118.51 2.78 -58.91
EMPIRE_CC_2 323658	148.35 2.32 -89.53	139.38 2.14 -80.91	135.21 2.31 -76.63	134.31 2.31 -75.67	137.23 2.32 -78.47	156.62 2.38 -97.57	177.08 2.85 -101.06	208.43 2.94 -128.05	164.75 3.29 -83.22	155.65 3.05 -81.74	136.27 2.91 -67.11	135.10 2.65 -73.50	132.97 2.60 -73.81	127.76 2.60 -68.60	132.56 2.69 -71.35	134.27 2.75 -71.70	130.00 3.29 -55.27	178.38 3.53 -92.82	171.32 3.29 -89.72	147.35 3.06 -73.09	144.92 2.71 -79.21	132.25 2.74 -69.88	122.32 2.88 -62.94	118.51 2.78 -58.91
ENORWICH_115KV_TB1 80156	85.61 5.42 -23.69	82.58 4.84 -21.40	81.16 4.61 -20.27	81.42 5.07 -20.02	82.62 5.42 -20.76	88.38 5.89 -25.81	109.41 9.51 -26.73	121.53 10.14 -33.95	110.24 9.94 -22.06	101.18 8.65 -21.67	91.91 7.88 -17.79	85.56 7.13 -19.48	82.63 6.50 -19.56	81.13 6.39 -18.18	84.16 6.73 -18.91	86.05 7.24 -19.01	95.37 9.29 -14.65	117.71 11.08 -24.60	112.90 10.81 -23.78	100.04 9.47 -19.37	91.93 7.94 -20.99	85.06 6.92 -18.52	78.89 5.71 -16.68	78.65 6.25 -15.58
ERIE_ST__34_KV_TB1-2 80199	64.36 -4.41 -12.27	62.46 -4.96 -11.09	61.99 -4.78 -10.50	62.25 -4.45 -10.37	62.91 -4.29 -10.76	66.64 -3.40 -13.37	83.57 -3.44 -13.84	91.03 -4.03 -17.62	84.45 -5.24 -11.45	77.58 -4.54 -11.24	71.70 -3.78 -9.23	65.81 -3.24 -10.11	63.32 -3.39 -10.15	62.49 -3.51 -9.44	65.35 -2.98 -9.81	66.62 -3.05 -9.86	75.89 -3.14 -7.60	90.70 -4.10 -12.77	86.97 -3.68 -12.34	78.19 -3.06 -10.05	71.18 -2.71 -10.89	66.19 -3.04 -9.61	61.48 -3.67 -8.66	62.39 -2.50 -8.07
ERIE_WT_PWR 323693	64.74 -3.90 -12.14	63.07 -4.23 -10.97	62.38 -4.28 -10.39	62.64 -3.94 -10.26	63.24 -3.84 -10.64	67.01 -2.89 -13.23	84.00 -2.85 -13.69	91.23 -3.64 -17.43	84.64 -4.93 -11.33	77.88 -4.11 -11.12	71.93 -3.45 -9.13	66.00 -2.95 -10.00	63.49 -3.11 -10.04	62.67 -3.22 -9.33	65.59 -2.63 -9.71	67.29 -2.27 -9.76	76.07 -2.86 -7.49	90.93 -3.69 -12.58	87.11 -3.37 -12.16	78.40 -2.71 -9.91	71.34 -2.39 -10.74	66.59 -2.50 -9.47	61.58 -3.45 -8.53	62.19 -2.61 -7.98
ESPRGFLD_115KV_TB1 80157	60.56 2.82 -1.24	60.15 2.70 -1.12	59.98 2.64 -1.06	60.19 2.82 -1.05	60.64 3.10 -1.09	61.25 3.23 -1.35	79.76 5.19 -1.40	84.81 5.58 -1.79	84.89 5.48 -1.17	76.76 4.75 -1.14	71.55 4.37 -0.94	63.75 3.77 -1.03	60.99 3.39 -1.03	60.86 3.34 -0.96	63.03 3.51 -1.00	64.76 3.95 -1.00	77.07 4.86 -0.78	89.17 5.82 -1.31	85.37 5.80 -1.26	77.28 5.05 -1.03	68.40 4.28 -1.11	64.54 3.94 -0.98	60.60 3.22 -0.88	60.82 3.18 -0.82
ETNA_115_KV_TB1_REV_LBMP_C 345029	75.13 1.47 -17.16	73.02 1.18 -15.51	72.09 1.13 -14.69	71.96 1.13 -14.50	72.78 1.30 -15.04	77.02 1.64 -18.70	95.46 2.93 -19.37	105.04 2.94 -24.66	96.93 2.66 -16.02	88.80 2.20 -15.74	81.15 1.99 -12.92	74.75 1.65 -14.15	72.18 1.41 -14.21	71.07 1.30 -13.21	73.78 1.52 -13.74	75.41 1.79 -13.80	84.65 2.57 -10.64	102.94 3.04 -17.87	98.48 2.90 -17.27	87.90 2.63 -14.07	80.45 2.20 -15.25	74.92 1.85 -13.45	69.91 1.30 -12.11	69.58 1.48 -11.29
ETNA____115KV_TB2 80207	75.13 1.47 -17.16	73.02 1.18 -15.51	72.09 1.13 -14.69	71.96 1.13 -14.50	72.78 1.30 -15.04	77.02 1.64 -18.70	95.46 2.93 -19.37	105.04 2.94 -24.66	96.93 2.66 -16.02	88.80 2.20 -15.74	81.15 1.99 -12.92	74.75 1.65 -14.15	72.18 1.41 -14.21	71.07 1.30 -13.21	73.78 1.52 -13.74	75.41 1.79 -13.80	84.65 2.57 -10.64	102.94 3.04 -17.87	98.48 2.90 -17.27	87.90 2.63 -14.07	80.45 2.20 -15.25	74.92 1.85 -13.45	69.91 1.30 -12.11	69.58 1.48 -11.29
EUCLID__115KV_TB2 356179	62.08 -0.85 -6.43	61.07 -1.07 -5.81	60.65 -1.13 -5.50	60.64 -1.13 -5.43	61.06 -1.02 -5.64	62.88 -0.79 -7.01	79.84 -0.59 -7.26	85.92 -0.85 -9.33	83.29 -1.02 -6.07	75.90 -0.92 -5.96	70.21 -0.93 -4.89	63.36 -0.94 -5.36	60.92 -1.02 -5.38	60.48 -1.07 -5.00	62.72 -0.99 -5.20	64.08 -0.96 -5.23	74.46 -1.00 -4.03	87.65 -1.15 -6.76	83.75 -1.10 -6.54	75.53 -1.00 -5.33	67.89 -0.88 -5.77	63.82 -0.89 -5.09	60.01 -1.07 -4.59	60.08 -0.97 -4.23
E_CANADA_CAP_HY 24051	169.47 2.88 -110.10	158.69 2.87 -99.49	153.37 2.87 -94.23	152.30 2.93 -93.05	156.15 3.22 -96.49	179.87 3.23 -119.97	202.71 5.27 -124.27	240.40 5.50 -157.46	185.97 5.39 -102.33	175.97 4.60 -100.50	153.06 4.30 -82.52	152.98 3.66 -90.38	150.71 3.39 -90.75	144.24 3.34 -84.34	149.76 3.51 -87.73	152.04 4.07 -88.17	144.18 4.79 -67.96	201.99 5.83 -114.13	194.51 5.88 -110.32	166.20 5.13 -89.87	164.87 4.47 -97.40	149.96 4.41 -85.93	137.55 3.67 -77.38	132.54 3.29 -72.43
E_CANADA_MHWK_HY 24050	58.98 2.48 0.00	58.69 2.37 0.00	58.58 2.31 0.00	58.75 2.42 0.00	58.99 2.54 0.00	59.34 2.66 0.00	76.90 3.73 0.00	81.54 4.10 0.00	82.47 4.22 0.00	74.69 3.82 0.00	69.88 3.64 0.00	62.13 3.18 0.00	59.50 2.94 0.00	59.56 3.00 0.00	61.73 3.22 0.00	63.28 3.47 0.00	75.58 4.14 0.00	86.79 4.76 0.00	82.93 4.62 0.00	75.32 4.13 0.00	66.59 3.59 0.00	63.14 3.52 0.00	59.66 3.16 0.00	60.11 3.29 0.00
E_FISHKILL__LBMP 23776	137.98 4.07 -77.41	130.17 3.89 -69.96	126.36 3.83 -66.26	125.70 3.94 -65.42	128.30 4.01 -67.85	145.28 4.25 -84.36	166.18 5.63 -87.38	194.18 6.04 -110.70	156.30 6.34 -71.72	147.09 5.81 -70.41	126.66 5.43 -54.99	125.18 4.72 -61.52	122.38 4.41 -61.40	117.21 4.41 -56.24	124.54 4.68 -61.34	126.31 4.84 -61.65	122.04 5.86 -44.74	166.04 6.73 -77.27	159.56 6.42 -74.82	137.37 5.91 -60.26	134.68 5.23 -66.45	124.60 4.83 -60.15	114.94 4.29 -54.15	112.01 4.26 -50.93
FALCON__SEABRD_CC1 323796	56.39 -0.11 0.00	56.33 0.00 0.00	56.27 0.00 0.00	56.38 0.06 0.00	56.67 0.23 0.00	56.96 0.28 0.00	72.14 -1.02 0.00	76.67 -0.77 0.00	77.62 -0.63 0.00	70.30 -0.57 0.00	65.85 -0.40 0.00	58.89 -0.06 0.00	56.62 0.06 0.00	56.73 0.17 0.00	58.69 0.18 0.00	59.93 0.12 0.00	71.72 0.29 0.00	82.69 0.65 0.00	78.94 0.62 0.00	71.55 0.36 0.00	63.31 0.32 0.00	59.92 0.30 0.00	57.18 0.68 0.00	57.56 0.74 0.00
FALCON__SEABRD_CC2 323797	56.39 -0.11 0.00	56.33 0.00 0.00	56.27 0.00 0.00	56.38 0.06 0.00	56.67 0.23 0.00	56.96 0.28 0.00	72.14 -1.02 0.00	76.67 -0.77 0.00	77.62 -0.63 0.00	70.30 -0.57 0.00	65.85 -0.40 0.00	58.89 -0.06 0.00	56.62 0.06 0.00	56.73 0.17 0.00	58.69 0.18 0.00	59.93 0.12 0.00	71.72 0.29 0.00	82.69 0.65 0.00	78.94 0.62 0.00	71.55 0.36 0.00	63.31 0.32 0.00	59.92 0.30 0.00	57.18 0.68 0.00	57.56 0.74 0.00

FAR ROCKAWAY___4 23548	149.66 6.61 -86.55	147.32 6.25 -84.74	145.96 6.13 -83.55	143.88 6.25 -81.30	146.02 6.38 -83.20	148.65 6.74 -85.24	166.58 8.63 -84.78	194.38 9.29 -107.65	160.63 9.62 -72.76	151.53 9.00 -71.66	152.31 8.61 -77.46	152.01 7.49 -85.58	151.21 7.07 -87.58	151.04 7.01 -87.47	151.23 7.37 -85.34	151.92 7.66 -84.46	155.89 9.36 -75.10	207.89 10.83 -115.02	183.00 10.34 -94.35	159.22 9.40 -78.62	156.24 8.25 -84.99	153.46 7.57 -86.26	148.24 6.78 -84.97	146.49 6.76 -82.91
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	136.97 5.31 -75.16	129.25 5.01 -67.91	125.53 4.95 -64.31	124.90 5.07 -63.50	127.50 5.19 -65.86	144.17 5.55 -81.94	165.28 7.24 -84.87	196.11 7.90 -110.77	198.85 8.22 -112.39	191.45 7.44 -113.14	187.38 7.02 -114.11	190.17 6.13 -125.09	192.35 5.77 -130.02	186.96 5.71 -124.68	186.64 6.03 -122.10	186.91 6.28 -120.82	195.28 7.57 -116.27	215.13 8.70 -124.40	204.81 8.30 -118.20	185.94 7.62 -107.12	185.71 6.68 -116.03	174.81 6.20 -108.99	164.39 5.54 -102.35	139.14 5.57 -76.75
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	136.97 5.31 -75.16	129.25 5.01 -67.91	125.53 4.95 -64.31	124.90 5.07 -63.50	127.50 5.19 -65.86	144.17 5.55 -81.94	165.28 7.24 -84.87	196.11 7.90 -110.77	198.85 8.22 -112.39	191.45 7.44 -113.14	187.38 7.02 -114.11	190.17 6.13 -125.09	192.35 5.77 -130.02	186.96 5.71 -124.68	186.64 6.03 -122.10	186.91 6.28 -120.82	195.28 7.57 -116.27	215.13 8.70 -124.40	204.81 8.30 -118.20	185.94 7.62 -107.12	185.77 6.74 -116.03	174.81 6.20 -108.99	164.39 5.54 -102.35	139.14 5.57 -76.75
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	136.92 5.25 -75.16	129.19 4.96 -67.91	125.48 4.90 -64.31	124.84 5.01 -63.50	127.44 5.14 -65.86	144.11 5.50 -81.94	165.21 7.17 -84.87	196.03 7.82 -110.77	198.78 8.14 -112.39	191.38 7.37 -113.14	187.38 7.02 -114.11	190.11 6.07 -125.09	192.29 5.71 -130.02	186.96 5.71 -124.68	186.58 5.97 -122.10	186.85 6.22 -120.82	195.28 7.57 -116.27	215.05 8.61 -124.40	204.73 8.22 -118.20	185.87 7.55 -107.12	185.71 6.68 -116.03	174.75 6.14 -108.99	164.39 5.54 -102.35	139.08 5.51 -76.75
FARRAGUT___LBMP 323566	136.86 5.20 -75.16	129.13 4.90 -67.91	125.42 4.84 -64.31	124.79 4.96 -63.50	127.38 5.08 -65.86	144.05 5.44 -81.94	165.21 7.17 -84.87	195.95 7.74 -110.77	198.70 8.06 -112.39	191.31 7.30 -113.14	187.31 6.96 -114.11	190.05 6.01 -125.09	192.23 5.66 -130.02	186.90 5.66 -124.68	186.52 5.91 -122.10	186.79 6.16 -120.82	195.21 7.50 -116.27	214.97 8.53 -124.40	204.65 8.14 -118.20	185.80 7.48 -107.12	185.64 6.61 -116.03	174.75 6.14 -108.99	164.33 5.48 -102.35	139.02 5.45 -76.75
FENNER___WINDPWR 24204	67.47 1.69 -9.28	66.17 1.46 -8.38	65.56 1.35 -7.94	65.63 1.46 -7.84	66.15 1.58 -8.13	68.65 1.87 -10.11	86.64 3.00 -10.47	94.00 2.63 -13.92	89.72 2.43 -9.05	81.81 2.06 -8.88	75.46 1.92 -7.29	68.53 1.59 -7.99	65.94 1.36 -8.02	65.37 1.36 -7.46	67.74 1.46 -7.76	69.34 1.74 -7.79	79.73 2.57 -5.73	94.69 3.04 -9.62	90.51 2.90 -9.29	81.33 2.56 -7.57	73.35 2.14 -8.21	68.77 1.91 -7.24	64.43 1.41 -6.52	64.46 1.53 -6.10
FIBERTEK___ENERGY 23856	64.03 -0.11 -7.65	62.84 -0.39 -6.91	62.42 -0.39 -6.55	62.40 -0.39 -6.46	62.86 -0.28 -6.70	64.89 -0.11 -8.33	82.16 0.37 -8.63	88.72 0.23 -11.05	85.42 0.00 -7.18	77.92 0.00 -7.05	71.97 -0.07 -5.79	65.11 -0.18 -6.34	62.59 -0.34 -6.37	62.08 -0.40 -5.92	64.38 -0.29 -6.16	65.76 -0.24 -6.19	76.06 -0.14 -4.77	89.88 -0.16 -8.01	85.89 -0.16 -7.74	77.43 -0.07 -6.30	69.70 -0.13 -6.83	65.47 -0.18 -6.03	61.53 -0.40 -5.43	61.57 -0.28 -5.03
FITZPATRICK___ 23598	59.20 -1.81 -4.51	58.49 -1.92 -4.08	58.16 -1.97 -3.86	58.23 -1.92 -3.82	58.54 -1.86 -3.96	59.89 -1.70 -4.92	76.36 -1.90 -5.10	81.77 -2.17 -6.50	80.12 -2.35 -4.22	72.89 -2.12 -4.15	67.59 -2.05 -3.41	60.73 -1.94 -3.73	58.32 -1.98 -3.75	58.06 -1.98 -3.48	60.15 -1.99 -3.62	61.53 -1.92 -3.64	71.93 -2.29 -2.79	84.09 -2.63 -4.68	80.33 -2.51 -4.52	72.60 -2.28 -3.68	65.04 -1.95 -3.99	61.30 -1.85 -3.52	57.75 -1.92 -3.17	57.92 -1.87 -2.97
FLOWRFLD_69_KV_BK1 356044	149.66 6.61 -86.55	147.49 6.42 -84.74	146.18 6.36 -83.55	144.17 6.53 -81.30	146.30 6.66 -83.20	148.88 6.97 -85.24	163.72 7.68 -82.87	185.91 8.29 -100.18	158.97 8.69 -72.04	151.46 8.93 -71.66	152.11 8.41 -77.46	151.83 7.31 -85.58	151.10 6.96 -87.58	150.98 6.96 -87.47	151.17 7.31 -85.34	151.86 7.60 -84.46	155.75 9.22 -75.10	207.40 10.34 -115.02	182.37 9.71 -94.35	158.95 9.11 -78.64	156.24 8.19 -85.06	153.46 7.57 -86.26	148.36 6.89 -84.97	146.78 7.05 -82.91
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	136.80 5.03 -75.27	129.08 4.73 -68.02	125.31 4.61 -64.42	124.79 4.84 -63.62	127.33 4.91 -65.97	144.02 5.33 -82.03	165.30 7.17 -84.96	192.61 7.51 -107.65	156.11 7.90 -69.96	146.73 7.16 -68.71	129.35 6.69 -56.41	126.45 5.72 -61.79	123.86 5.26 -62.04	119.48 5.26 -57.66	124.05 5.56 -59.98	125.88 5.80 -60.27	125.54 7.29 -46.81	169.27 8.61 -78.62	162.45 8.14 -75.99	140.37 7.26 -61.91	136.58 6.49 -67.09	124.66 5.84 -59.19	114.83 5.03 -53.31	111.71 5.00 -49.89
FORT ORANGE___ 23900	151.15 2.48 -92.17	141.98 2.37 -83.29	137.58 2.42 -78.88	136.36 2.14 -77.89	139.37 2.14 -80.78	159.38 2.27 -100.44	179.54 2.34 -104.03	211.57 2.32 -131.81	166.49 2.58 -85.67	157.50 2.48 -84.16	137.72 2.38 -69.10	136.98 2.36 -75.68	134.87 2.32 -75.99	129.50 2.32 -70.62	134.44 2.46 -73.46	135.85 2.21 -73.82	131.06 2.71 -56.91	180.39 2.79 -95.56	173.43 2.74 -92.38	148.87 2.42 -75.25	146.70 2.14 -81.56	133.78 2.21 -71.95	123.50 2.20 -64.80	119.97 2.50 -60.65
FORT_DRUM_COGEN 23780	60.97 0.56 -3.90	60.14 0.28 -3.53	59.90 0.28 -3.34	60.19 0.56 -3.30	60.54 0.68 -3.42	61.66 0.74 -4.25	79.26 1.68 -4.41	84.73 2.25 -5.04	83.48 1.96 -3.28	75.72 1.63 -3.22	70.28 1.39 -2.64	63.02 1.18 -2.90	60.43 0.96 -2.91	60.34 1.07 -2.70	62.38 1.05 -2.81	63.89 1.26 -2.82	74.97 1.36 -2.18	87.74 2.05 -3.66	83.96 2.11 -3.53	75.64 1.57 -2.88	67.31 1.20 -3.12	63.27 0.89 -2.75	59.54 0.56 -2.48	59.96 0.57 -2.57
FOX_HILLS___ESR 323835	137.04 5.37 -75.18	129.54 5.29 -67.91	125.82 5.23 -64.31	125.19 5.35 -63.51	127.73 5.42 -65.87	144.13 5.50 -81.96	165.38 7.32 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.40 6.31 -137.15	205.26 5.94 -142.76	199.15 5.94 -136.65	200.07 6.20 -135.35	200.01 6.46 -133.74	241.55 7.93 -162.18	334.41 9.19 -243.19	315.04 8.93 -227.80	244.82 8.05 -165.58	240.76 7.12 -170.65	185.84 6.50 -119.72	175.06 5.65 -112.91	145.04 5.51 -82.71
FPL_FAR_ROCK_GT1 24212	149.67 6.61 -86.56	147.33 6.25 -84.75	145.96 6.13 -83.55	143.88 6.25 -81.30	146.02 6.38 -83.20	148.66 6.74 -85.24	166.58 8.63 -84.78	194.38 9.29 -107.65	160.71 9.70 -72.76	151.45 8.93 -71.65	152.30 8.61 -77.45	152.00 7.49 -85.57	151.20 7.07 -87.57	151.09 7.07 -87.46	151.22 7.37 -85.33	151.98 7.72 -84.45	155.89 9.36 -75.10	207.89 10.83 -115.02	183.00 10.34 -94.35	159.22 9.40 -78.62	156.24 8.25 -84.99	153.52 7.63 -86.26	148.19 6.72 -84.97	146.43 6.70 -82.91
FPL_FAR_ROCK_GT2 23815	149.67 6.61 -86.56	147.33 6.25 -84.75	145.96 6.13 -83.55	143.88 6.25 -81.30	146.02 6.38 -83.20	148.66 6.74 -85.24	166.58 8.63 -84.78	194.38 9.29 -107.65	160.71 9.70 -72.76	151.45 8.93 -71.65	152.30 8.61 -77.45	152.00 7.49 -85.57	151.20 7.07 -87.57	151.09 7.07 -87.46	151.22 7.37 -85.33	151.98 7.72 -84.45	155.89 9.36 -75.10	207.89 10.83 -115.02	183.00 10.34 -94.35	159.22 9.40 -78.62	156.24 8.25 -84.99	153.52 7.63 -86.26	148.19 6.72 -84.97	146.43 6.70 -82.91



FRANKLIN_FALL_HYD 24054	55.93 -0.56 0.00	55.93 -0.39 0.00	55.88 -0.39 0.00	55.99 -0.34 0.00	56.22 -0.23 0.00	56.39 -0.28 0.00	71.85 -1.32 0.00	76.43 -1.01 0.00	77.31 -0.94 0.00	70.02 -0.85 0.00	65.58 -0.66 0.00	58.59 -0.35 0.00	56.50 -0.06 0.00	56.62 0.06 0.00	58.40 -0.12 0.00	59.69 -0.12 0.00	71.01 -0.43 0.00	81.79 -0.25 0.00	78.08 -0.23 0.00	70.77 -0.43 0.00	62.62 -0.38 0.00	59.38 -0.24 0.00	56.78 0.28 0.00	57.05 0.23 0.00
FREEPORT_EQUS_GT1 23764	149.27 6.22 -86.55	147.04 5.97 -84.74	145.62 5.80 -83.55	143.60 5.97 -81.30	145.74 6.10 -83.20	148.37 6.46 -85.24	165.73 7.98 -84.58	193.00 8.67 -106.89	160.00 9.07 -72.69	151.01 8.50 -71.64	151.57 7.88 -77.45	151.35 6.83 -85.57	150.63 6.50 -87.57	150.46 6.45 -87.45	150.63 6.78 -85.33	151.37 7.11 -84.45	155.17 8.64 -75.10	206.98 9.92 -115.02	182.13 9.47 -94.35	158.43 8.61 -78.62	155.61 7.62 -84.99	153.15 7.27 -86.26	147.90 6.44 -84.96	146.09 6.36 -82.91
FREEPORT___CT2 23818	149.27 6.22 -86.55	147.04 5.97 -84.74	145.62 5.80 -83.55	143.60 5.97 -81.30	145.74 6.10 -83.20	148.37 6.46 -85.24	165.73 7.98 -84.58	193.00 8.67 -106.89	160.00 9.07 -72.69	151.01 8.50 -71.64	151.57 7.88 -77.45	151.35 6.83 -85.57	150.63 6.50 -87.57	150.46 6.45 -87.45	150.63 6.78 -85.33	151.37 7.11 -84.45	155.17 8.64 -75.10	206.98 9.92 -115.02	182.13 9.47 -94.35	158.43 8.61 -78.62	155.61 7.62 -84.99	153.15 7.27 -86.26	147.90 6.44 -84.96	146.09 6.36 -82.91
FRESHKLS_33_KV_LOAD 356253	136.87 5.20 -75.18	129.48 5.24 -67.91	125.76 5.18 -64.31	125.13 5.29 -63.51	127.67 5.36 -65.87	143.96 5.33 -81.96	165.16 7.10 -84.90	196.67 7.74 -111.48	207.85 8.14 -121.47	200.88 7.37 -122.64	197.34 7.02 -124.07	202.23 6.13 -137.15	205.09 5.77 -142.76	198.98 5.77 -136.65	199.90 6.03 -135.35	199.89 6.34 -133.74	241.41 7.79 -162.18	334.25 9.02 -243.19	314.89 8.77 -227.80	244.75 7.97 -165.58	240.64 6.99 -170.65	185.72 6.38 -119.72	174.89 5.48 -112.91	144.93 5.40 -82.71
FULTON COGEN____ 23766	61.61 -0.90 -6.02	60.64 -1.13 -5.44	60.24 -1.18 -5.15	60.23 -1.18 -5.09	60.59 -1.13 -5.28	62.27 -0.96 -6.56	79.23 -0.73 -6.79	85.18 -0.93 -8.67	82.63 -1.25 -5.64	75.27 -1.13 -5.54	69.60 -1.19 -4.55	62.68 -1.24 -4.98	60.26 -1.30 -5.00	59.85 -1.36 -4.65	62.06 -1.29 -4.83	63.41 -1.26 -4.86	73.82 -1.36 -3.74	86.76 -1.56 -6.29	82.90 -1.49 -6.08	74.79 -1.35 -4.95	67.16 -1.20 -5.36	63.22 -1.13 -4.73	59.46 -1.30 -4.26	59.59 -1.19 -3.96
FULTON___LFGE 323630	167.94 6.33 -105.11	157.63 6.31 -94.99	152.54 6.30 -89.97	151.36 6.20 -88.84	155.28 6.71 -92.13	177.73 6.51 -114.55	201.98 10.17 -118.65	238.22 10.45 -150.33	186.11 10.17 -97.70	175.61 8.79 -95.96	152.97 7.95 -78.79	152.13 6.89 -86.29	149.71 6.50 -86.65	143.59 6.50 -80.53	149.18 6.90 -83.77	151.82 7.83 -84.18	146.18 9.86 -64.88	202.73 11.73 -108.96	195.31 11.67 -105.33	167.40 10.39 -85.81	165.25 9.26 -92.99	150.30 8.64 -82.04	137.90 7.52 -73.88	132.73 6.76 -69.15
G.F.CEMENT___DRP 24184	156.58 4.46 -95.61	147.07 4.34 -86.40	142.50 4.39 -81.83	141.19 4.06 -80.81	144.53 4.29 -83.80	165.06 4.19 -104.19	187.45 6.37 -107.92	220.84 6.66 -136.74	174.00 6.89 -88.87	164.31 6.17 -87.27	143.53 5.63 -71.65	142.38 4.95 -78.48	140.00 4.64 -78.80	134.44 4.64 -73.24	139.56 4.86 -76.18	141.51 5.14 -76.56	136.61 6.14 -59.03	188.38 7.22 -99.13	181.33 7.20 -95.82	155.66 6.41 -78.06	153.26 5.67 -84.60	139.44 5.19 -74.63	128.40 4.69 -67.21	124.04 4.32 -62.91
GARDENVILLE___LBMP 24039	64.62 -4.01 -12.13	62.67 -4.62 -10.97	62.27 -4.39 -10.39	62.47 -4.11 -10.25	63.13 -3.95 -10.63	66.83 -3.06 -13.22	83.78 -3.07 -13.69	90.99 -3.87 -17.42	84.40 -5.16 -11.32	77.59 -4.39 -11.12	71.66 -3.71 -9.13	65.76 -3.18 -10.00	63.26 -3.34 -10.04	62.44 -3.45 -9.33	65.35 -2.87 -9.70	66.63 -2.93 -9.75	75.88 -3.07 -7.52	90.72 -3.94 -12.62	86.91 -3.60 -12.20	78.22 -2.92 -9.94	71.19 -2.58 -10.77	66.26 -2.86 -9.50	61.61 -3.45 -8.56	62.53 -2.27 -7.98
GARDNVLA_35_KV_LD 355827	64.80 -3.84 -12.14	62.91 -4.39 -10.97	62.45 -4.22 -10.39	62.70 -3.89 -10.26	63.36 -3.73 -10.64	67.07 -2.83 -13.23	84.08 -2.78 -13.69	91.39 -3.48 -17.43	84.80 -4.77 -11.33	77.88 -4.11 -11.13	72.00 -3.38 -9.13	66.12 -2.83 -10.00	63.61 -3.00 -10.05	62.73 -3.17 -9.34	65.71 -2.52 -9.71	66.94 -2.63 -9.76	76.24 -2.71 -7.52	91.14 -3.53 -12.63	87.31 -3.21 -12.21	78.58 -2.56 -9.95	71.51 -2.27 -10.78	66.57 -2.56 -9.51	61.84 -3.22 -8.57	62.76 -2.05 -7.99
GELCKHM___115KV_LOAD 80723	62.81 -0.56 -6.88	61.75 -0.79 -6.21	61.31 -0.84 -5.89	61.29 -0.84 -5.81	61.74 -0.73 -6.03	63.60 -0.57 -7.49	80.71 -0.22 -7.76	87.00 -0.39 -9.95	84.08 -0.63 -6.47	76.65 -0.57 -6.35	70.86 -0.60 -5.21	64.01 -0.65 -5.71	61.50 -0.79 -5.73	61.10 -0.79 -5.33	63.36 -0.70 -5.54	64.72 -0.66 -5.57	75.09 -0.64 -4.29	88.51 -0.74 -7.21	84.50 -0.78 -6.97	76.23 -0.64 -5.68	68.58 -0.57 -6.15	64.45 -0.60 -5.43	60.60 -0.79 -4.89	60.60 -0.74 -4.52
GENERAL___MILLS 23808	64.68 -3.95 -12.14	62.79 -4.51 -10.97	62.33 -4.33 -10.39	62.59 -4.00 -10.26	63.25 -3.84 -10.64	66.95 -2.95 -13.23	83.93 -2.93 -13.69	91.15 -3.72 -17.43	84.56 -5.01 -11.33	77.74 -4.25 -11.12	71.86 -3.51 -9.13	65.94 -3.01 -10.00	63.44 -3.17 -10.04	62.61 -3.28 -9.33	65.53 -2.69 -9.71	66.82 -2.75 -9.76	76.03 -2.93 -7.52	90.89 -3.77 -12.63	87.07 -3.45 -12.21	78.36 -2.78 -9.94	71.32 -2.46 -10.78	66.39 -2.74 -9.51	61.73 -3.33 -8.56	62.65 -2.16 -7.98
GE_PLASTICS___DRP 24183	150.92 2.20 -92.22	141.80 2.14 -83.34	137.34 2.14 -78.93	136.29 2.03 -77.94	139.24 1.98 -80.82	159.26 2.10 -100.49	179.89 2.63 -104.09	212.04 2.71 -131.89	166.93 2.97 -85.71	157.80 2.76 -84.17	138.00 2.65 -69.11	137.11 2.48 -75.69	135.00 2.43 -76.01	129.63 2.43 -70.64	134.51 2.52 -73.48	136.10 2.45 -73.84	131.30 2.93 -56.94	180.85 3.20 -95.62	173.79 3.05 -92.43	149.27 2.78 -75.29	147.06 2.46 -81.60	134.00 2.38 -71.99	123.71 2.37 -64.83	119.83 2.33 -60.68
GILBOA___1 23756	132.02 2.32 -73.20	124.85 2.37 -66.15	121.29 2.36 -62.65	120.62 2.42 -61.87	123.03 2.43 -64.16	138.88 2.44 -79.77	159.09 3.30 -82.63	185.54 3.40 -104.70	149.89 3.60 -68.04	140.96 3.26 -66.83	124.23 3.11 -54.87	121.75 2.71 -60.10	119.45 2.55 -60.34	115.19 2.55 -56.08	119.55 2.69 -58.34	121.25 2.81 -58.62	119.98 3.36 -45.19	161.78 3.86 -75.88	155.34 3.68 -73.35	134.30 3.35 -59.75	130.72 2.96 -64.76	119.50 2.74 -57.13	110.38 2.43 -51.45	107.42 2.44 -48.16
GILBOA___2 23757	132.02 2.32 -73.20	124.85 2.37 -66.15	121.29 2.36 -62.65	120.62 2.42 -61.87	123.03 2.43 -64.16	138.88 2.44 -79.77	159.09 3.30 -82.63	185.54 3.40 -104.70	149.89 3.60 -68.04	140.96 3.26 -66.83	124.23 3.11 -54.87	121.75 2.71 -60.10	119.45 2.55 -60.34	115.19 2.55 -56.08	119.55 2.69 -58.34	121.25 2.81 -58.62	119.98 3.36 -45.19	161.78 3.86 -75.88	155.34 3.68 -73.35	134.30 3.35 -59.75	130.72 2.96 -64.76	119.50 2.74 -57.13	110.38 2.43 -51.45	107.42 2.44 -48.16
GILBOA___3 23758	132.02 2.32 -73.20	124.85 2.37 -66.15	121.29 2.36 -62.65	120.62 2.42 -61.87	123.03 2.43 -64.16	138.88 2.44 -79.77	159.09 3.30 -82.63	185.54 3.40 -104.70	149.89 3.60 -68.04	140.96 3.26 -66.83	124.23 3.11 -54.87	121.75 2.71 -60.10	119.45 2.55 -60.34	115.19 2.55 -56.08	119.55 2.69 -58.34	121.25 2.81 -58.62	119.98 3.36 -45.19	161.78 3.86 -75.88	155.34 3.68 -73.35	134.30 3.35 -59.75	130.72 2.96 -64.76	119.50 2.74 -57.13	110.38 2.43 -51.45	107.42 2.44 -48.16

GILBOA___4 23759	132.02 2.32 -73.20	124.85 2.37 -66.15	121.29 2.36 -62.65	120.62 2.42 -61.87	123.03 2.43 -64.16	138.88 2.44 -79.77	159.09 3.30 -82.63	185.54 3.40 -104.70	149.89 3.60 -68.04	140.96 3.26 -66.83	124.23 3.11 -54.87	121.75 2.71 -60.10	119.45 2.55 -60.34	115.19 2.55 -56.08	119.55 2.69 -58.34	121.25 2.81 -58.62	119.98 3.36 -45.19	161.78 3.86 -75.88	155.34 3.68 -73.35	134.30 3.35 -59.75	130.72 2.96 -64.76	119.50 2.74 -57.13	110.38 2.43 -51.45	107.42 2.44 -48.16
GILBOA____ 23599	132.02 2.32 -73.20	124.85 2.37 -66.15	121.29 2.36 -62.65	120.62 2.42 -61.87	123.03 2.43 -64.16	138.88 2.44 -79.77	159.09 3.29 -82.63	185.55 3.41 -104.70	149.89 3.60 -68.04	140.95 3.26 -66.82	124.22 3.11 -54.86	121.75 2.71 -60.09	119.44 2.55 -60.34	115.13 2.49 -56.08	119.54 2.69 -58.33	121.18 2.75 -58.62	119.99 3.36 -45.19	161.79 3.86 -75.89	155.35 3.68 -73.36	134.31 3.35 -59.76	130.73 2.96 -64.77	119.50 2.74 -57.14	110.39 2.43 -51.46	107.42 2.44 -48.16
GINNA____ 23603	61.47 -3.78 -8.76	60.19 -4.06 -7.92	59.61 -4.16 -7.50	59.67 -4.06 -7.40	60.17 -3.95 -7.68	62.93 -3.29 -9.55	79.54 -3.51 -9.89	86.16 -3.87 -12.59	81.89 -4.54 -8.19	74.87 -4.04 -8.04	69.13 -3.71 -6.60	62.81 -3.36 -7.23	60.26 -3.56 -7.26	59.85 -3.45 -6.74	62.14 -3.40 -7.02	63.69 -3.17 -7.05	72.98 -3.86 -5.41	86.68 -4.43 -9.08	82.78 -4.31 -8.77	74.50 -3.85 -7.15	67.28 -3.46 -7.75	63.06 -3.40 -6.83	58.87 -3.78 -6.16	58.94 -3.64 -5.76
GLEN PARK____ 23778	61.38 0.85 -4.03	60.59 0.62 -3.64	60.23 0.51 -3.45	60.58 0.85 -3.41	60.99 1.02 -3.53	62.14 1.07 -4.39	79.91 2.19 -4.55	85.49 2.78 -5.26	84.17 2.50 -3.42	76.28 2.06 -3.36	70.79 1.79 -2.76	63.49 1.53 -3.02	60.84 1.24 -3.03	60.73 1.36 -2.82	62.80 1.35 -2.93	64.31 1.55 -2.95	75.78 1.85 -2.49	88.92 2.70 -4.18	85.09 2.74 -4.04	76.62 2.13 -3.29	68.26 1.70 -3.57	64.08 1.31 -3.15	60.18 0.85 -2.83	60.32 0.85 -2.65
GLENDALE_27_KV_LOAD 356172	137.33 5.65 -75.18	129.65 5.41 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.84 5.53 -65.87	144.47 5.84 -81.96	165.82 7.76 -84.90	197.28 8.36 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.55 6.22 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	208.43 8.14 -128.85	223.33 9.35 -131.94	212.48 9.01 -125.16	193.93 8.19 -114.55	196.32 7.24 -126.08	186.08 6.74 -119.72	175.34 5.93 -112.91	145.38 5.85 -82.71
GLENWOOD_IC_1_G5 23712	149.15 6.10 -86.55	146.81 5.75 -84.74	145.51 5.68 -83.55	143.43 5.80 -81.30	145.57 5.93 -83.20	148.20 6.29 -85.24	165.84 7.90 -84.78	193.69 8.60 -107.65	159.92 8.92 -72.76	150.96 8.43 -71.66	151.72 8.02 -77.46	151.48 6.96 -85.58	150.70 6.56 -87.58	150.59 6.56 -87.47	150.70 6.85 -85.34	151.39 7.12 -84.46	155.18 8.64 -75.10	207.07 10.01 -115.02	182.14 9.48 -94.35	158.44 8.61 -78.62	155.61 7.62 -84.99	152.92 7.04 -86.26	147.74 6.27 -84.97	145.98 6.25 -82.91
GLENWOOD_IC_2_G1 23688	148.93 5.88 -86.55	146.70 5.63 -84.74	145.34 5.52 -83.55	143.26 5.63 -81.30	145.40 5.76 -83.20	148.03 6.12 -85.24	165.55 7.61 -84.78	193.38 8.29 -107.65	159.69 8.68 -72.76	150.59 8.08 -71.64	151.44 7.75 -77.45	151.29 6.78 -85.57	150.52 6.39 -87.57	150.35 6.33 -87.45	150.51 6.67 -85.33	151.25 6.99 -84.45	154.96 8.43 -75.10	206.65 9.59 -115.02	181.82 9.16 -94.35	158.21 8.40 -78.62	155.42 7.43 -84.99	152.74 6.85 -86.26	147.56 6.10 -84.96	145.75 6.02 -82.91
GLENWOOD_IC_3_G1 23689	148.93 5.88 -86.55	146.70 5.63 -84.74	145.34 5.52 -83.55	143.26 5.63 -81.30	145.40 5.76 -83.20	148.03 6.12 -85.24	165.55 7.61 -84.78	193.38 8.29 -107.65	159.69 8.68 -72.76	150.59 8.08 -71.64	151.44 7.75 -77.45	151.29 6.78 -85.57	150.52 6.39 -87.57	150.35 6.33 -87.45	150.51 6.67 -85.33	151.25 6.99 -84.45	154.96 8.43 -75.10	206.65 9.59 -115.02	181.82 9.16 -94.35	158.21 8.40 -78.62	155.42 7.43 -84.99	152.74 6.85 -86.26	147.56 6.10 -84.96	145.75 6.02 -82.91
GLENWOOD___4 23550	149.15 6.10 -86.55	146.81 5.75 -84.74	145.51 5.68 -83.55	143.43 5.80 -81.30	145.57 5.93 -83.20	148.20 6.29 -85.24	165.84 7.90 -84.78	193.69 8.60 -107.65	159.92 8.92 -72.76	150.96 8.43 -71.66	151.72 8.02 -77.46	151.48 6.96 -85.58	150.70 6.56 -87.58	150.59 6.56 -87.47	150.70 6.85 -85.34	151.39 7.12 -84.46	155.18 8.64 -75.10	207.07 10.01 -115.02	182.14 9.48 -94.35	158.44 8.61 -78.62	155.61 7.62 -84.99	152.92 7.04 -86.26	147.74 6.27 -84.97	145.98 6.25 -82.91
GLENWOOD___5 23614	149.15 6.10 -86.55	146.81 5.75 -84.74	145.51 5.68 -83.55	143.43 5.80 -81.30	145.57 5.93 -83.20	148.20 6.29 -85.24	165.84 7.90 -84.78	193.69 8.60 -107.65	159.92 8.92 -72.76	150.96 8.43 -71.66	151.72 8.02 -77.46	151.48 6.96 -85.58	150.70 6.56 -87.58	150.59 6.56 -87.47	150.70 6.85 -85.34	151.39 7.12 -84.46	155.18 8.64 -75.10	207.07 10.01 -115.02	182.14 9.48 -94.35	158.44 8.61 -78.62	155.61 7.62 -84.99	152.92 7.04 -86.26	147.74 6.27 -84.97	145.98 6.25 -82.91
GLOBAL GREEN_PORT_GT1 23814	151.70 8.64 -86.55	149.40 8.34 -84.74	147.98 8.16 -83.55	145.86 8.22 -81.30	148.10 8.46 -83.20	151.15 9.24 -85.24	168.08 11.26 -83.66	193.32 12.63 -103.25	162.94 12.36 -72.34	153.99 11.48 -71.64	154.75 11.06 -77.44	154.12 9.61 -85.57	153.23 9.11 -87.56	153.06 9.05 -87.45	153.38 9.54 -85.32	154.30 10.05 -84.44	158.82 12.29 -75.09	212.07 15.01 -115.02	186.99 14.33 -94.35	162.99 13.17 -78.63	159.74 11.71 -85.03	156.55 10.67 -86.26	150.73 9.27 -84.96	149.10 9.37 -82.91
GLOBE___DSASP 323697	62.44 -5.25 -11.19	60.64 -5.80 -10.12	60.17 -5.68 -9.58	60.33 -5.46 -9.46	60.95 -5.31 -9.81	64.45 -4.42 -12.20	80.39 -5.27 -12.50	86.85 -6.66 -16.07	80.63 -8.06 -10.45	74.04 -7.09 -10.26	68.50 -6.16 -8.42	62.81 -5.36 -9.23	60.39 -5.43 -9.26	59.68 -5.49 -8.61	62.56 -4.92 -8.96	63.73 -5.08 -9.00	72.66 -5.71 -6.94	86.71 -6.97 -11.65	82.99 -6.58 -11.26	74.82 -5.55 -9.17	68.02 -4.91 -9.94	63.38 -5.01 -8.77	59.09 -5.31 -7.90	60.09 -4.09 -7.36
GOETHSLN___LBMP 323567	136.58 4.92 -75.16	128.85 4.62 -67.91	125.14 4.56 -64.31	124.50 4.68 -63.50	127.10 4.80 -65.86	143.77 5.16 -81.94	164.84 6.80 -84.87	195.56 7.36 -110.77	198.31 7.67 -112.39	190.96 6.95 -113.14	186.98 6.62 -114.11	189.76 5.72 -125.09	191.95 5.37 -130.02	186.62 5.37 -124.68	186.29 5.68 -122.10	186.49 5.86 -120.82	194.78 7.07 -116.27	214.56 8.12 -124.40	204.26 7.75 -118.20	185.44 7.12 -107.12	185.33 6.30 -116.03	174.45 5.84 -108.99	164.05 5.20 -102.35	138.85 5.28 -76.75
GOLAH___69_KV_TB 1_2 80279	64.43 -1.24 -9.18	62.93 -1.69 -8.29	62.44 -1.69 -7.85	62.51 -1.58 -7.75	63.02 -1.47 -8.04	66.05 -0.62 -10.00	83.23 -0.29 -10.36	89.85 -0.77 -13.19	85.17 -1.64 -8.57	77.80 -1.49 -8.42	71.89 -1.26 -6.91	65.22 -1.30 -7.57	62.52 -1.64 -7.60	61.93 -1.70 -7.06	64.58 -1.29 -7.35	65.88 -1.32 -7.38	75.84 -1.29 -5.69	89.95 -1.64 -9.56	86.06 -1.49 -9.24	77.65 -1.07 -7.53	70.15 -1.01 -8.16	65.51 -1.31 -7.20	61.17 -1.81 -6.48	61.95 -0.91 -6.03
GOODYEAR_LAKE_HYD 323669	83.32 2.94 -23.88	80.67 2.76 -21.58	79.42 2.70 -20.44	79.44 2.93 -20.19	80.48 3.10 -20.93	85.98 3.29 -26.03	105.10 4.98 -26.96	116.97 5.34 -34.19	105.86 5.40 -22.22	97.43 4.75 -21.82	88.66 4.50 -17.91	82.46 3.89 -19.62	79.77 3.51 -19.70	78.38 3.51 -18.31	81.19 3.63 -19.05	82.84 3.89 -19.14	90.98 4.79 -14.75	112.47 5.66 -24.77	107.74 5.48 -23.95	95.55 4.84 -19.51	88.30 4.16 -21.14	81.97 3.70 -18.65	76.35 3.05 -16.80	75.71 3.18 -15.71

GOUDEY_115_KV_TB6_REV_LBMP_C 345031	81.17 0.28 -24.39	78.37 0.00 -22.04	77.14 0.00 -20.87	76.99 0.06 -20.61	78.04 0.23 -21.37	83.76 0.51 -26.57	102.01 1.32 -27.53	113.54 1.16 -34.94	101.81 0.86 -22.71	93.95 0.78 -22.30	85.34 0.79 -18.31	79.58 0.59 -20.05	77.09 0.40 -20.13	75.61 0.34 -18.71	78.57 0.59 -19.46	80.09 0.72 -19.56	87.58 1.07 -15.08	108.50 1.15 -25.32	103.88 1.10 -24.47	92.27 1.14 -19.94	85.49 0.88 -21.61	79.40 0.72 -19.06	73.89 0.23 -17.17	73.43 0.57 -16.04
GOUDEY___7 23579	81.22 0.34 -24.39	78.42 0.06 -22.04	77.20 0.06 -20.87	77.05 0.11 -20.61	78.10 0.28 -21.37	83.81 0.57 -26.57	102.08 1.39 -27.53	113.62 1.24 -34.94	101.89 0.94 -22.71	94.02 0.85 -22.30	85.48 0.93 -18.31	79.70 0.71 -20.05	77.15 0.45 -20.13	75.67 0.40 -18.71	78.63 0.64 -19.46	80.15 0.78 -19.56	87.73 1.21 -15.08	108.59 1.23 -25.32	104.04 1.25 -24.47	92.34 1.21 -19.94	85.61 1.01 -21.61	79.46 0.78 -19.06	73.95 0.28 -17.17	73.48 0.63 -16.04
GOUDEY___8 23580	81.17 0.28 -24.39	78.37 0.00 -22.04	77.14 0.00 -20.87	76.99 0.06 -20.61	78.04 0.23 -21.37	83.76 0.51 -26.57	102.01 1.32 -27.53	113.54 1.16 -34.94	101.81 0.86 -22.71	93.95 0.78 -22.30	85.34 0.79 -18.31	79.58 0.59 -20.05	77.09 0.40 -20.13	75.61 0.34 -18.71	78.57 0.59 -19.46	80.09 0.72 -19.56	87.58 1.07 -15.08	108.50 1.15 -25.32	103.88 1.10 -24.47	92.27 1.14 -19.94	85.49 0.88 -21.61	79.40 0.72 -19.06	73.89 0.23 -17.17	73.43 0.57 -16.04
GOWANUS_GT1_1 24077	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT1_2 24078	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT1_3 24079	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT1_4 24080	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT1_5 24084	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT1_6 24111	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT1_7 24112	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT1_8 24113	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT2_1 24114	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT2_2 24115	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT2_3 24116	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT2_4 24117	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71

GOWANUS_GT2_5 24118	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT2_6 24119	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT2_7 24120	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT2_8 24121	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT3_1 24122	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT3_2 24123	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
GOWANUS_GT3_3 24124	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.														

GOWANUS_GT4_4 24133	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT4_5 24134	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT4_6 24135	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT4_7 24136	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GOWANUS_GT4_8 24137	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GREENBSH_115KV_TB3 55895	151.27 2.15 -92.62	142.11 2.08 -83.70	137.69 2.14 -79.28	136.47 1.86 -78.28	139.43 1.81 -81.18	159.53 1.93 -100.93	180.06 2.34 -104.55	212.31 2.40 -132.47	167.07 2.74 -86.09	157.96 2.55 -84.54	138.11 2.45 -69.41	137.45 2.48 -76.03	135.33 2.43 -76.34	129.94 2.57 -70.95	134.89 2.37 -73.80	136.25 2.27 -74.16	131.34 2.71 -57.18	180.94 2.87 -96.03	173.88 2.74 -92.83	149.31 2.49 -75.62	147.16 2.20 -81.96	134.13 2.21 -72.30	123.93 2.32 -65.12	120.09 2.33 -60.94
GREENDGE_115KV_TB5 80291	70.32 -1.07 -14.90	68.32 -1.46 -13.46	67.61 -1.41 -12.75	67.51 -1.41 -12.59	68.37 -1.13 -13.06	72.34 -0.57 -16.23	90.34 0.37 -16.81	98.90 0.08 -21.38	91.67 -0.47 -13.89	84.02 -0.50 -13.64	77.05 -0.40 -11.20	70.74 -0.47 -12.27	68.09 -0.79 -12.32	67.16 -0.85 -11.45	69.84 -0.59 -11.91	71.36 -0.42 -11.97	80.59 -0.07 -9.22	97.53 0.00 -15.49	93.29 0.00 -14.98	83.54 0.14 -12.20	76.22 0.00 -13.22	70.93 -0.36 -11.66	66.04 -0.96 -10.50	66.05 -0.57 -9.80
GREENIDGE___3 23582	70.32 -1.07 -14.90	68.32 -1.46 -13.46	67.61 -1.41 -12.75	67.51 -1.41 -12.59	68.37 -1.13 -13.06	72.34 -0.57 -16.23	90.34 0.37 -16.81	98.90 0.08 -21.38	91.67 -0.47 -13.89	84.02 -0.50 -13.64	77.05 -0.40 -11.20	70.74 -0.47 -12.27	68.09 -0.79 -12.32	67.16 -0.85 -11.45	69.84 -0.59 -11.91	71.36 -0.42 -11.97	80.59 -0.07 -9.22	97.53 0.00 -15.49	93.29 0.00 -14.98	83.54 0.14 -12.20	76.22 0.00 -13.22	70.93 -0.36 -11.66	66.04 -0.96 -10.50	66.05 -0.57 -9.80
GREENIDGE___4 23583	70.32 -1.08 -14.90	68.44 -1.35 -13.46	67.56 -1.46 -12.75	67.51 -1.41 -12.59	68.37 -1.13 -13.06	72.34 -0.57 -16.23	90.35 0.37 -16.81	98.90 0.08 -21.38	91.67 -0.47 -13.89	84.02 -0.49 -13.64	77.05 -0.40 -11.20	70.74 -0.47 -12.27	68.09 -0.79 -12.32	67.22 -0.79 -11.45	69.84 -0.59 -11.91	71.60 -0.18 -11.97	80.56 -0.07 -9.19	97.47 0.00 -15.44	93.23 0.00 -14.92	83.50 0.14 -12.16	76.17 0.00 -13.17	71.01 -0.24 -11.62	65.89 -1.08 -10.47	65.82 -0.80 -9.80
GREENLWN_69_KV_BK 3 55738	147.85 4.80 -86.55	145.86 4.79 -84.74	144.66 4.84 -83.55	142.76 5.13 -81.30	144.72 5.08 -83.20	147.07 5.16 -85.24	158.79 5.78 -79.84	172.08 6.35 -88.29	155.88 6.73 -70.91	149.33 6.80 -71.66	149.92 6.23 -77.45	149.89 5.36 -85.58	149.29 5.15 -87.58	149.23 5.20 -87.47	149.24 5.38 -85.34	149.77 5.50 -84.45	153.25 6.72 -75.09	204.77 7.71 -115.02	179.94 7.28 -94.35	156.51 6.69 -78.62	154.15 6.17 -84.98	151.37 5.49 -86.26	146.66 5.20 -84.97	145.01 5.28 -82.91
GREENWD_138_KV_38B11_REV_LBMP_J 345004	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71
GRISSOM___SOLAR 323813	167.94 6.33 -105.11	157.63 6.31 -94.99	152.54 6.30 -89.97	151.36 6.20 -88.84	155.28 6.71 -92.13	177.73 6.51 -114.55	201.98 10.17 -118.65	238.22 10.45 -150.33	186.11 10.17 -97.70	175.61 8.79 -95.96	152.97 7.95 -78.79	152.13 6.89 -86.29	149.71 6.50 -86.65	143.59 6.50 -80.53	149.18 6.90 -83.77	151.82 7.83 -84.18	146.18 9.86 -64.88	202.73 11.73 -108.96	195.31 11.67 -105.33	167.40 10.39 -85.81	165.25 9.26 -92.99	150.30 8.64 -82.04	137.90 7.52 -73.88	132.73 6.76 -69.15
GROVEVILLE___HYD 323602	136.80 5.03 -75.27	129.08 4.73 -68.02	125.31 4.61 -64.42	124.79 4.84 -63.62	127.33 4.91 -65.97	144.02 5.33 -82.03	165.30 7.17 -84.96	192.61 7.51 -107.65	156.11 7.90 -69.96	146.73 7.16 -68.71	129.35 6.69 -56.41	126.45 5.72 -61.79	123.86 5.26 -62.04	119.48 5.26 -57.66	124.05 5.56 -59.98	125.88 5.80 -60.27	125.54 7.29 -46.81	169.27 8.61 -78.62	162.45 8.14 -75.99	140.37 7.26 -61.91	136.58 6.49 -67.09	124.66 5.84 -59.19	114.83 5.03 -53.31	111.71 5.00 -49.89
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	64.03 -0.11 -7.65	62.84 -0.39 -6.91	62.42 -0.39 -6.55	62.40 -0.39 -6.46	62.86 -0.28 -6.70	64.89 -0.11 -8.33	82.16 0.37 -8.63	88.72 0.23 -11.05	85.42 0.00 -7.18	77.92 0.00 -7.05	71.97 -0.07 -5.79	65.11 -0.18 -6.34	62.59 -0.34 -6.37	62.08 -0.40 -5.92	64.38 -0.29 -6.16	65.76 -0.24 -6.19	76.06 -0.14 -4.77	89.88 -0.16 -8.01	85.89 -0.16 -7.74	77.43 -0.07 -6.30	69.70 -0.13 -6.83	65.47 -0.18 -6.03	61.53 -0.40 -5.43	61.57 -0.28 -5.03
HAMLTNNY_34_KV_TB 80303	64.50 -0.11 -8.12	63.33 -0.34 -7.34	62.83 -0.39 -6.95	62.79 -0.39 -6.86	63.28 -0.28 -7.11	65.52 0.00 -8.85	82.91 0.59 -9.16	89.54 0.39 -11.71	86.01 0.16 -7.61	78.41 0.07 -7.47	72.45 0.07 -6.14	65.55 -0.12 -6.72	63.03 -0.28 -6.75	62.55 -0.28 -6.27	64.87 -0.18 -6.52	66.25 -0.12 -6.56	76.56 0.07 -5.05	90.61 0.08 -8.49	86.59 0.08 -8.20	77.95 0.07 -6.68	70.30 0.06 -7.24	65.95 -0.06 -6.39	61.91 -0.34 -5.75	61.99 -0.17 -5.34

HAMPSHIRE___PAPER_HYD 323593	57.37 -1.19 -2.06	57.00 -1.19 -1.86	56.85 -1.18 -1.76	56.99 -1.07 -1.74	57.29 -0.96 -1.80	57.67 -1.25 -2.24	73.36 -2.12 -2.32	78.19 -1.63 -2.38	78.07 -1.72 -1.55	70.68 -1.70 -1.52	65.83 -1.65 -1.25	59.25 -1.06 -1.36	57.19 -0.74 -1.37	57.16 -0.68 -1.27	58.90 -0.94 -1.32	59.71 -1.44 -1.33	70.71 -2.00 -1.27	82.12 -2.05 -2.13	78.58 -1.80 -2.06	70.96 -1.92 -1.68	62.99 -1.83 -1.82	59.50 -1.73 -1.61	56.98 -0.96 -1.45	57.21 -0.97 -1.35
HARDSCRABBLE_WT_PWR 323673	58.36 1.86 0.00	58.13 1.80 0.00	58.02 1.75 0.00	58.18 1.86 0.00	58.42 1.97 0.00	58.77 2.10 0.00	76.17 3.00 0.00	80.84 3.40 0.00	81.77 3.52 0.00	74.13 3.26 0.00	69.42 3.18 0.00	61.66 2.71 0.00	59.11 2.55 0.00	59.11 2.55 0.00	61.33 2.81 0.00	62.86 3.05 0.00	75.08 3.64 0.00	86.22 4.18 0.00	82.38 4.07 0.00	74.83 3.63 0.00	66.15 3.15 0.00	62.72 3.10 0.00	59.27 2.77 0.00	59.72 2.90 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	131.58 4.29 -70.79	124.30 4.00 -63.97	120.80 3.94 -60.59	120.21 4.06 -59.83	122.66 4.18 -62.04	138.35 4.53 -77.14	159.07 6.00 -79.90	185.22 6.50 -101.28	151.24 6.81 -66.19	141.92 6.02 -65.03	130.00 5.70 -58.07	125.30 4.89 -61.46	123.40 4.52 -62.32	120.37 4.52 -59.29	120.24 4.74 -56.98	122.02 4.96 -57.24	126.33 6.21 -48.68	167.40 7.14 -78.23	160.52 6.81 -75.40	139.96 6.19 -62.57	134.34 5.42 -65.92	120.21 4.95 -55.64	110.94 4.29 -50.14	107.64 4.32 -46.51
HARSNRAD_115KV_TB1 81005	62.79 -4.75 -11.04	60.95 -5.35 -9.97	60.60 -5.12 -9.45	60.81 -4.84 -9.33	61.43 -4.68 -9.67	64.84 -3.85 -12.03	81.37 -4.24 -12.44	87.94 -5.34 -15.85	81.89 -6.65 -10.30	75.24 -5.74 -10.11	69.58 -4.97 -8.30	63.74 -4.30 -9.10	61.28 -4.41 -9.13	60.58 -4.47 -8.49	63.43 -3.92 -8.83	64.62 -4.07 -8.87	73.85 -4.43 -6.84	87.94 -5.58 -11.48	84.17 -5.25 -11.10	75.90 -4.34 -9.04	69.02 -3.78 -9.80	64.33 -3.94 -8.65	59.88 -4.41 -7.79	60.84 -3.24 -7.26
HARZA MOOSE___RIVER 24016	60.72 1.47 -2.75	60.05 1.24 -2.49	59.81 1.18 -2.36	60.01 1.35 -2.33	60.38 1.52 -2.41	61.31 1.64 -3.00	78.91 2.63 -3.11	83.94 3.95 -2.55	83.82 3.91 -1.66	75.83 3.33 -1.63	70.63 3.05 -1.34	63.12 2.71 -1.47	60.52 2.49 -1.47	60.42 2.49 -1.37	62.52 2.57 -1.42	63.99 2.75 -1.43	74.82 2.29 -1.10	86.76 2.87 -1.85	83.00 2.90 -1.79	75.08 2.42 -1.46	66.53 1.95 -1.58	62.69 1.67 -1.39	59.17 1.41 -1.26	60.11 1.48 -1.81
HDSNBRDG_115KV_BRDG_TB1 355580	62.91 -0.56 -6.98	61.79 -0.84 -6.30	61.34 -0.90 -5.97	61.32 -0.90 -5.90	61.77 -0.79 -6.11	63.71 -0.57 -7.60	80.82 -0.22 -7.87	87.14 -0.46 -10.16	84.14 -0.70 -6.60	76.72 -0.64 -6.48	70.97 -0.60 -5.32	64.13 -0.65 -5.83	61.62 -0.79 -5.86	61.21 -0.79 -5.44	63.48 -0.70 -5.66	64.84 -0.66 -5.69	75.18 -0.64 -4.38	88.66 -0.74 -7.36	84.65 -0.78 -7.12	76.35 -0.64 -5.80	68.71 -0.57 -6.28	64.51 -0.66 -5.54	60.64 -0.85 -4.99	60.67 -0.74 -4.59
HELLGATE_13_KV_LD 55870	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.00 7.72 -128.85	222.84 8.86 -131.94	212.01 8.54 -125.16	193.58 7.83 -114.55	196.00 6.93 -126.08	185.78 6.44 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	137.10 5.42 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.09 7.58 -122.64	197.54 7.22 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.09 5.88 -136.65	200.02 6.14 -135.35	199.95 6.40 -133.74	208.00 7.72 -128.85	222.84 8.86 -131.94	212.01 8.54 -125.16	193.58 7.83 -114.55	196.00 6.93 -126.08	185.78 6.44 -119.72	175.06 5.65 -112.91	145.15 5.63 -82.71
HEMPSTEAD___ 23647	148.93 5.88 -86.55	146.65 5.58 -84.74	145.28 5.46 -83.55	143.21 5.58 -81.30	145.34 5.70 -83.20	147.98 6.07 -85.24	165.34 7.54 -84.64	192.75 8.20 -107.11	159.56 8.61 -72.71	150.59 8.08 -71.64	151.37 7.68 -77.45	151.17 6.66 -85.57	150.40 6.28 -87.57	150.29 6.28 -87.45	150.40 6.55 -85.33	151.19 6.93 -84.45	154.89 8.35 -75.10	206.65 9.59 -115.02	181.74 9.08 -94.35	158.14 8.33 -78.62	155.29 7.30 -84.99	152.68 6.79 -86.26	147.51 6.05 -84.96	145.69 5.96 -82.91
HEWLETT__69_KV_BK3 55828	149.32 6.27 -86.55	147.04 5.97 -84.74	145.67 5.85 -83.55	143.60 5.97 -81.30	145.74 6.10 -83.20	148.37 6.46 -85.24	166.14 8.19 -84.78	193.92 8.83 -107.65	160.16 9.15 -72.76	151.17 8.65 -71.66	151.92 8.21 -77.46	151.66 7.13 -85.58	150.87 6.73 -87.58	150.76 6.73 -87.47	150.88 7.02 -85.34	151.57 7.30 -84.46	155.46 8.93 -75.10	207.32 10.25 -115.02	182.46 9.79 -94.35	158.72 8.90 -78.62	155.87 7.87 -84.99	153.16 7.27 -86.26	147.96 6.50 -84.97	146.21 6.48 -82.91
HICKLING___1 23621	75.17 -0.51 -19.18	72.76 -0.90 -17.33	71.85 -0.84 -16.42	71.75 -0.79 -16.21	72.69 -0.56 -16.81	77.57 0.00 -20.90	95.84 1.02 -21.65	105.64 0.70 -27.50	96.20 0.08 -17.87	88.56 0.14 -17.55	80.98 0.33 -14.41	74.91 0.18 -15.78	72.30 -0.11 -15.85	71.06 -0.23 -14.73	74.02 0.18 -15.32	75.51 0.30 -15.40	84.09 0.79 -11.87	102.62 0.66 -19.93	98.20 0.63 -19.26	87.74 0.85 -15.69	80.57 0.57 -17.01	74.87 0.24 -15.00	69.56 -0.45 -13.51	69.66 0.23 -12.62
HICKLING___2 23622	75.17 -0.51 -19.18	72.76 -0.90 -17.33	71.85 -0.84 -16.42	71.75 -0.79 -16.21	72.69 -0.56 -16.81	77.57 0.00 -20.90	95.84 1.02 -21.65	105.64 0.70 -27.50	96.20 0.08 -17.87	88.56 0.14 -17.55	80.98 0.33 -14.41	74.91 0.18 -15.78	72.30 -0.11 -15.85	71.06 -0.23 -14.73	74.02 0.18 -15.32	75.51 0.30 -15.40	84.09 0.79 -11.87	102.62 0.66 -19.93	98.20 0.63 -19.26	87.74 0.85 -15.69	80.57 0.57 -17.01	74.87 0.24 -15.00	69.56 -0.45 -13.51	69.66 0.23 -12.62
HIGH FALLS___HY 23754	136.27 5.03 -74.74	128.55 4.68 -67.55	124.80 4.56 -63.97	124.40 4.90 -63.17	126.98 5.02 -65.51	143.68 5.55 -81.45	165.00 7.46 -84.37	192.24 7.90 -106.90	155.93 8.22 -69.47	146.54 7.44 -68.23	129.08 6.82 -56.02	126.02 5.72 -61.35	122.92 4.75 -61.61	118.57 4.75 -57.26	123.11 5.03 -59.56	125.04 5.38 -59.85	124.81 7.00 -46.38	168.21 8.29 -77.88	161.51 7.91 -75.28	139.50 6.98 -61.33	136.14 6.68 -66.47	124.16 5.90 -58.64	114.28 4.97 -52.81	111.24 5.00 -49.42
HILLBURN___GT 23639	132.56 4.35 -71.71	125.24 4.11 -64.81	121.65 4.00 -61.38	121.10 4.17 -60.61	123.53 4.24 -62.85	139.41 4.59 -78.15	160.18 6.07 -80.94	186.62 6.58 -102.60	152.25 6.89 -67.12	142.90 6.16 -65.87	131.72 5.89 -59.59	126.76 5.07 -62.75	124.97 4.69 -63.72	122.08 4.69 -60.83	121.19 4.92 -57.75	123.03 5.20 -58.02	127.94 6.36 -50.15	169.33 7.22 -80.07	162.34 6.89 -77.14	141.73 6.33 -64.19	135.95 5.60 -67.34	121.20 5.13 -56.45	111.84 4.46 -50.88	108.38 4.43 -47.13
HILLSIDE_115KV_TB1 80332	75.14 -1.24 -19.88	72.66 -1.63 -17.97	71.77 -1.52 -17.02	71.67 -1.46 -16.80	72.63 -1.24 -17.42	77.54 -0.79 -21.66	95.46 -0.15 -22.44	105.40 -0.54 -28.50	95.67 -1.10 -18.52	88.07 -0.99 -18.19	80.51 -0.66 -14.93	74.54 -0.77 -16.36	72.02 -0.96 -16.42	70.75 -1.07 -15.26	73.63 -0.76 -15.88	75.17 -0.60 -15.96	83.38 -0.36 -12.30	101.95 -0.74 -20.65	97.65 -0.63 -19.96	87.18 -0.28 -16.26	80.18 -0.44 -17.63	74.52 -0.66 -15.55	69.32 -1.19 -14.00	69.33 -0.57 -13.08

HISHELDN_WT_PWR 323625	66.06 -3.67 -13.23	64.34 -3.94 -11.96	63.66 -3.94 -11.33	63.85 -3.66 -11.18	64.54 -3.50 -11.60	68.43 -2.66 -14.42	85.61 -2.49 -14.93	93.25 -3.18 -18.99	86.21 -4.38 -12.34	79.30 -3.69 -12.12	73.08 -3.11 -9.95	67.13 -2.71 -10.90	64.56 -2.94 -10.94	63.73 -3.00 -10.17	66.58 -2.51 -10.58	68.34 -2.10 -10.63	77.10 -2.50 -8.17	92.47 -3.28 -13.71	88.59 -2.98 -13.25	79.57 -2.42 -10.80	72.56 -2.14 -11.70	67.68 -2.27 -10.32	62.69 -3.11 -9.30	63.19 -2.33 -8.70
HOLTSVILLE_IC_1 23690	149.83 6.78 -86.55	147.66 6.59 -84.74	146.29 6.47 -83.55	144.22 6.59 -81.30	146.35 6.71 -83.20	149.11 7.20 -85.24	165.10 8.19 -83.74	190.00 8.98 -103.58	159.84 9.23 -72.37	151.51 9.00 -71.64	152.36 8.68 -77.44	152.12 7.61 -85.57	151.31 7.18 -87.56	151.20 7.18 -87.45	151.39 7.55 -85.32	152.15 7.89 -84.44	155.96 9.43 -75.09	207.88 10.83 -115.02	182.91 10.26 -94.35	159.29 9.47 -78.63	156.40 8.38 -85.03	153.75 7.87 -86.26	148.46 7.00 -84.96	146.83 7.10 -82.91
HOLTSVILLE_IC_10 23699	150.11 7.06 -86.55	147.94 6.87 -84.74	146.57 6.75 -83.55	144.50 6.87 -81.30	146.69 7.05 -83.20	149.45 7.54 -85.24	165.16 8.56 -83.44	189.04 9.21 -102.39	159.96 9.46 -72.25	151.72 9.21 -71.64	152.76 9.08 -77.44	152.46 7.95 -85.57	151.65 7.52 -87.56	151.54 7.52 -87.45	151.74 7.90 -85.32	152.56 8.31 -84.44	156.46 9.93 -75.09	208.45 11.40 -115.02	183.39 10.73 -94.35	159.79 9.97 -78.63	156.85 8.82 -85.03	154.16 8.28 -86.26	148.80 7.34 -84.96	147.17 7.44 -82.91
HOLTSVILLE_IC_2 23691	149.83 6.78 -86.55	147.66 6.59 -84.74	146.29 6.47 -83.55	144.22 6.59 -81.30	146.35 6.71 -83.20	149.11 7.20 -85.24	165.10 8.19 -83.74	190.00 8.98 -103.58	159.84 9.23 -72.37	151.51 9.00 -71.64	152.36 8.68 -77.44	152.12 7.61 -85.57	151.31 7.18 -87.56	151.20 7.18 -87.45	151.39 7.55 -85.32	152.15 7.89 -84.44	155.96 9.43 -75.09	207.88 10.83 -115.02	182.91 10.26 -94.35	159.29 9.47 -78.63	156.40 8.38 -85.03	153.75 7.87 -86.26	148.46 7.00 -84.96	146.83 7.10 -82.91
HOLTSVILLE_IC_3 23692	149.83 6.78 -86.55	147.66 6.59 -84.74	146.29 6.47 -83.55	144.22 6.59 -81.30	146.35 6.71 -83.20	149.11 7.20 -85.24	165.10 8.19 -83.74	190.00 8.98 -103.58	159.84 9.23 -72.37	151.51 9.00 -71.64	152.36 8.68 -77.44	152.12 7.61 -85.57	151.31 7.18 -87.56	151.20 7.18 -87.45	151.39 7.55 -85.32	152.15 7.89 -84.44	155.96 9.43 -75.09	207.88 10.83 -115.02	182.91 10.26 -94.35	159.29 9.47 -78.63	156.40 8.38 -85.03	153.75 7.87 -86.26	148.46 7.00 -84.96	146.83 7.10 -82.91
HOLTSVILLE_IC_4 23693	149.83 6.78 -86.55	147.66 6.59 -84.74	146.29 6.47 -83.55	144.22 6.59 -81.30	146.35 6.71 -83.20	149.11 7.20 -85.24	165.10 8.19 -83.74	190.00 8.98 -103.58	159.84 9.23 -72.37	151.51 9.00 -71.64	152.36 8.68 -77.44	152.12 7.61 -85.57	151.31 7.18 -87.56	151.20 7.18 -87.45	151.39 7.55 -85.32	152.15 7.89 -84.44	155.96 9.43 -75.09	207.88 10.83 -115.02	182.91 10.26 -94.35	159.29 9.47 -78.63	156.40 8.38 -85.03	153.75 7.87 -86.26	148.46 7.00 -84.96	146.83 7.10 -82.91
HOLTSVILLE_IC_5 23694	149.83 6.78 -86.55	147.66 6.59 -84.74	146.29 6.47 -83.55	144.22 6.59 -81.30	146.35 6.71 -83.20	149.11 7.20 -85.24	165.10 8.19 -83.74	190.00 8.98 -103.58	159.84 9.23 -72.37	151.51 9.00 -71.64	152.36 8.68 -77.44	152.12 7.61 -85.57	151.31 7.18 -87.56	151.20 7.18 -87.45	151.39 7.55 -85.32	152.15 7.89 -84.44	155.96 9.43 -75.09	207.88 10.83 -115.02	182.91 10.26 -94.35	159.29 9.47 -78.63	156.40 8.38 -85.03	153.75 7.87 -86.26	148.46 7.00 -84.96	146.83 7.10 -82.91
HOLTSVILLE_IC_6 23695	150.11 7.06 -86.55	147.94 6.87 -84.74	146.57 6.75 -83.55	144.50 6.87 -81.30	146.69 7.05 -83.20	149.45 7.54 -85.24	165.16 8.56 -83.44	189.04 9.21 -102.39	159.96 9.46 -72.25	151.72 9.21 -71.64	152.76 9.08 -77.44	152.46 7.95 -85.57	151.65 7.52 -87.56	151.54 7.52 -87.45	151.74 7.90 -85.32	152.56 8.31 -84.44	156.46 9.93 -75.09	208.45 11.40 -115.02	183.39 10.73 -94.35	159.79 9.97 -78.63	156.85 8.82 -85.03	154.16 8.28 -86.26	148.80 7.34 -84.96	147.17 7.44 -82.91
HOLTSVILLE_IC_7 23696	150.11 7.06 -86.55	147.94 6.87 -84.74	146.57 6.75 -83.55	144.50 6.87 -81.30	146.69 7.05 -83.20	149.45 7.54 -85.24	165.16 8.56 -83.44	189.04 9.21 -102.39	159.96 9.46 -72.25	151.72 9.21 -71.64	152.76 9.08 -77.44	152.46 7.95 -85.57	151.65 7.52 -87.56	151.54 7.52 -87.45	151.74 7.90 -85.32	152.56 8.31 -84.44	156.46 9.93 -75.09	208.45 11.40 -115.02	183.39 10.73 -94.35	159.79 9.97 -78.63	156.85 8.82 -85.03	154.16 8.28 -86.26	148.80 7.34 -84.96	147.17 7.44 -82.91
HOLTSVILLE_IC_8 23697	150.11 7.06 -86.55	147.94 6.87 -84.74	146.57 6.75 -83.55	144.50 6.87 -81.30	146.69 7.05 -83.20	149.45 7.54 -85.24	165.16 8.56 -83.44	189.04 9.21 -102.39	159.96 9.46 -72.25	151.72 9.21 -71.64	152.76 9.08 -77.44	152.46 7.95 -85.57	151.65 7.52 -87.56	151.54 7.52 -87.45	151.74 7.90 -85.32	152.56 8.31 -84.44	156.46 9.93 -75.09	208.45 11.40 -115.02	183.39 10.73 -94.35	159.79 9.97 -78.63	156.85 8.82 -85.03	154.16 8.28 -86.26	148.80 7.34 -84.96	147.17 7.44 -82.91
HOLTSVILLE_IC_9 23698	150.11 7.06 -86.55	147.94 6.87 -84.74	146.57 6.75 -83.55	144.50 6.87 -81.30	146.69 7.05 -83.20	149.45 7.54 -85.24	165.16 8.56 -83.44	189.04 9.21 -102.39	159.96 9.46 -72.25	151.72 9.21 -71.64	152.76 9.08 -77.44	152.46 7.95 -85.57	151.65 7.52 -87.56	151.54 7.52 -87.45	151.74 7.90 -85.32	152.56 8.31 -84.44	156.46 9.93 -75.09	208.45 11.40 -115.02	183.39 10.73 -94.35	159.79 9.97 -78.63	156.85 8.82 -85.03	154.16 8.28 -86.26	148.80 7.34 -84.96	147.17 7.44 -82.91
HOMER_HL_115KV_TB2 355744	65.21 -4.92 -13.63	63.18 -5.46 -12.32	62.65 -5.29 -11.67	62.95 -4.90 -11.52	63.65 -4.74 -11.95	67.67 -3.85 -14.85	84.67 -3.88 -15.38	92.74 -4.26 -19.56	85.40 -5.56 -12.71	78.53 -4.82 -12.48	72.52 -3.97 -10.25	66.63 -3.54 -11.22	64.10 -3.73 -11.27	63.13 -3.90 -10.48	66.02 -3.39 -10.90	67.41 -3.35 -10.95	76.30 -3.57 -8.44	91.53 -4.68 -14.17	87.78 -4.23 -13.70	78.94 -3.42 -11.16	71.94 -3.15 -12.09	66.95 -3.34 -10.67	62.04 -4.07 -9.61	62.89 -2.90 -8.96
HOWARD_WT_PWR 323690	70.59 -1.64 -15.73	68.63 -1.92 -14.22	67.88 -1.86 -13.47	67.99 -1.64 -13.30	68.99 -1.24 -13.79	73.48 -0.34 -17.14	91.87 0.95 -17.76	100.71 0.70 -22.57	92.83 -0.08 -14.67	85.34 0.07 -14.40	78.33 0.27 -11.83	72.01 0.12 -12.95	69.17 -0.39 -13.00	68.25 -0.39 -12.09	71.15 0.06 -12.57	73.04 0.60 -12.63	82.07 0.93 -9.71	99.25 0.90 -16.30	95.02 0.94 -15.76	85.11 1.07 -12.84	77.79 0.88 -13.91	72.43 0.54 -12.28	67.16 -0.39 -11.05	67.34 0.17 -10.35
HQ_GEN_CEDARS 23644	55.14 -1.36 0.00	55.20 -1.13 0.00	55.15 -1.13 0.00	55.20 -1.13 0.00	55.26 -1.19 0.00	55.14 -1.53 0.00	69.14 -4.02 0.00	73.49 -3.95 0.00	74.33 -3.91 0.00	67.32 -3.54 0.00	62.93 -3.31 0.00	56.94 -2.00 0.00	55.37 -1.19 0.00	55.43 -1.13 0.00	56.88 -1.64 0.00	57.60 -2.21 0.00	67.86 -3.57 0.00	78.10 -3.94 0.00	74.55 -3.76 0.00	67.64 -3.56 0.00	59.85 -3.15 0.00	57.18 -2.44 0.00	55.37 -1.13 0.00	55.63 -1.19 0.00
HQ_GEN_CEDARS_PROXY 323590	55.14 -1.36 0.00	55.14 -1.19 0.00	55.15 -1.13 0.00	55.20 -1.13 0.00	55.26 -1.19 0.00	55.14 -1.53 0.00	69.14 -4.02 0.00	73.49 -3.95 0.00	74.33 -3.91 0.00	67.32 -3.54 0.00	62.93 -3.31 0.00	56.94 -2.00 0.00	55.37 -1.19 0.00	55.43 -1.13 0.00	56.94 -1.58 0.00	56.94 -2.87 0.00	67.87 -3.57 0.00	78.10 -3.94 0.00	74.55 -3.76 0.00	67.64 -3.56 0.00	59.85 -3.15 0.00	56.94 -2.68 0.00	55.37 -1.13 0.00	55.74 -1.08 0.00

HQ_GEN_IMPORT 323601	55.37 -1.13 0.00	55.37 -0.96 0.00	55.37 -0.90 0.00	55.37 -0.96 0.00	55.37 -1.07 0.00	55.37 -1.30 0.00	55.37 -2.12 15.67	55.37 -2.17 19.90	55.37 -2.11 20.77	55.37 -1.91 13.59	55.37 -1.79 9.09	55.37 -1.42 2.16	55.37 -1.19 0.00	55.37 -1.19 0.00	55.37 -1.34 1.80	55.37 -1.56 2.88	55.37 -1.93 14.14	55.37 -2.13 24.53	55.37 -2.04 20.91	55.37 -1.92 13.91	55.37 -1.70 5.93	55.37 -1.55 2.70	55.37 -1.13 0.00	55.37 -1.14 0.31
HQ_GEN_WHEEL 23651	55.37 -1.13 0.00	55.37 -0.96 0.00	55.37 -0.90 0.00	55.37 -0.96 0.00	55.37 -1.07 0.00	55.37 -1.30 0.00	55.37 -2.12 15.67	55.37 -2.17 19.90	55.37 -2.11 20.77	55.37 -1.91 13.59	55.37 -1.79 9.09	55.37 -1.42 2.16	55.37 -1.19 0.00	55.37 -1.19 0.00	55.37 -1.34 1.80	55.37 -1.56 2.88	55.37 -1.93 14.14	55.37 -2.13 24.53	55.37 -2.04 20.91	55.37 -1.92 13.91	55.37 -1.70 5.93	55.37 -1.55 2.70	55.37 -1.13 0.00	55.37 -1.14 0.31
HUDSON AVE_GT_3 23810	136.97 5.31 -75.16	129.25 5.01 -67.91	125.53 4.95 -64.31	124.90 5.07 -63.50	127.50 5.19 -65.86	144.17 5.55 -81.94	165.28 7.24 -84.87	196.11 7.90 -110.77	198.85 8.22 -112.39	191.45 7.44 -113.14	187.38 7.02 -114.11	190.17 6.13 -125.09	192.35 5.77 -130.02	186.96 5.71 -124.68	186.64 6.03 -122.10	186.91 6.28 -120.82	195.35 7.64 -116.27	215.13 8.70 -124.40	204.81 8.30 -118.20	185.94 7.62 -107.12	185.77 6.74 -116.03	174.81 6.20 -108.99	164.44 5.59 -102.35	139.14 5.57 -76.75
HUDSON AVE_GT_4 23540	136.97 5.31 -75.16	129.25 5.01 -67.91	125.53 4.95 -64.31	124.90 5.07 -63.50	127.50 5.19 -65.86	144.17 5.55 -81.94	165.28 7.24 -84.87	196.11 7.90 -110.77	198.85 8.22 -112.39	191.45 7.44 -113.14	187.38 7.02 -114.11	190.17 6.13 -125.09	192.35 5.77 -130.02	186.96 5.71 -124.68	186.64 6.03 -122.10	186.91 6.28 -120.82	195.35 7.64 -116.27	215.13 8.70 -124.40	204.81 8.30 -118.20	185.94 7.62 -107.12	185.77 6.74 -116.03	174.81 6.20 -108.99	164.44 5.59 -102.35	139.14 5.57 -76.75
HUDSON AVE_GT_5 23657	136.97 5.31 -75.16	129.25 5.01 -67.91	125.53 4.95 -64.31	124.90 5.07 -63.50	127.50 5.19 -65.86	144.17 5.55 -81.94	165.28 7.24 -84.87	196.11 7.90 -110.77	198.85 8.22 -112.39	191.45 7.44 -113.14	187.38 7.02 -114.11	190.17 6.13 -125.09	192.35 5.77 -130.02	186.96 5.71 -124.68	186.64 6.03 -122.10	186.91 6.28 -120.82	195.35 7.64 -116.27	215.13 8.70 -124.40	204.81 8.30 -118.20	185.94 7.62 -107.12	185.77 6.74 -116.03	174.81 6.20 -108.99	164.44 5.59 -102.35	139.14 5.57 -76.75
HUDSON_AVE_10 24168	136.86 5.20 -75.16	129.13 4.90 -67.91	125.42 4.84 -64.31	124.79 4.96 -63.50	127.38 5.08 -65.86	144.17 5.55 -81.94	165.28 7.24 -84.87	196.11 7.90 -110.77	198.70 8.06 -112.39	191.31 7.30 -113.14	187.24 6.89 -114.11	190.05 6.01 -125.09	192.23 5.66 -130.02	186.90 5.66 -124.68	186.52 5.91 -122.10	186.79 6.16 -120.82	195.21 7.50 -116.27	215.13 8.70 -124.40	204.81 8.30 -118.20	185.94 7.62 -107.12	185.64 6.61 -116.03	174.75 6.14 -108.99	164.44 5.59 -102.35	139.14 5.57 -76.75
HUDSON___115KV_TB 4 355613	149.88 3.11 -90.27	140.89 2.99 -81.58	136.58 3.04 -77.26	135.38 2.76 -76.29	138.39 2.82 -79.12	157.99 2.95 -98.37	178.72 3.66 -101.90	210.19 3.64 -129.11	166.06 3.91 -83.91	156.81 3.54 -82.40	137.08 3.18 -67.65	136.11 3.07 -74.10	133.91 2.94 -74.40	128.65 2.94 -69.15	133.55 3.10 -71.93	135.08 2.99 -72.28	130.92 3.71 -55.77	179.87 4.18 -93.65	172.91 4.07 -90.53	148.50 3.56 -73.75	146.01 3.09 -79.92	133.11 2.98 -70.51	122.88 2.88 -63.50	119.26 3.01 -59.43
HUNTER MOUNT___DRP 323613	147.27 3.05 -87.72	138.53 2.93 -79.27	134.28 2.93 -75.08	133.11 2.65 -74.14	136.04 2.71 -76.88	155.16 2.89 -95.59	175.91 3.73 -99.02	206.46 3.56 -125.46	163.69 3.91 -81.54	154.27 3.33 -80.07	134.97 2.98 -65.74	133.78 2.83 -72.01	131.58 2.71 -72.30	126.53 2.77 -67.20	131.34 2.93 -69.90	132.86 2.81 -70.24	129.24 3.57 -54.23	177.21 4.10 -91.07	170.34 3.99 -88.03	146.26 3.35 -71.71	143.68 2.96 -77.72	130.99 2.80 -68.57	120.96 2.71 -61.75	117.34 2.73 -57.79
HUNTINGTON_RES_REC 323705	148.70 5.65 -86.55	146.65 5.58 -84.74	145.39 5.57 -83.55	143.38 5.75 -81.30	145.45 5.82 -83.20	147.91 6.00 -85.24	160.80 6.66 -80.98	177.47 7.28 -92.75	157.25 7.67 -71.33	150.10 7.59 -71.64	150.91 7.22 -77.44	150.82 6.31 -85.56	150.12 5.99 -87.56	150.07 6.05 -87.45	150.16 6.32 -85.32	150.83 6.58 -84.44	154.46 7.93 -75.09	206.08 9.02 -115.01	181.19 8.54 -94.34	157.70 7.90 -78.60	155.12 7.18 -84.95	152.38 6.50 -86.26	147.45 5.99 -84.96	145.87 6.14 -82.91
HUNTLEY___63 23557	63.79 -4.12 -11.42	61.92 -4.73 -10.32	61.54 -4.50 -9.77	61.75 -4.22 -9.65	62.33 -4.12 -10.01	65.77 -3.34 -12.44	82.26 -3.73 -12.83	89.19 -4.65 -16.40	82.95 -5.95 -10.66	76.23 -5.10 -10.46	70.46 -4.37 -8.59	64.70 -3.65 -9.41	62.22 -3.79 -9.45	61.44 -3.90 -8.78	64.37 -3.28 -9.13	65.52 -3.47 -9.18	74.73 -3.79 -7.07	89.16 -4.76 -11.88	85.41 -4.39 -11.48	76.92 -3.63 -9.36	69.99 -3.15 -10.14	65.41 -3.16 -8.95	60.83 -3.73 -8.06	61.77 -2.56 -7.51
HUNTLEY___64 23558	63.79 -4.12 -11.42	61.92 -4.73 -10.32	61.54 -4.50 -9.77	61.75 -4.22 -9.65	62.33 -4.12 -10.01	65.77 -3.34 -12.44	82.26 -3.73 -12.83	89.19 -4.65 -16.40	82.95 -5.95 -10.66	76.23 -5.10 -10.46	70.46 -4.37 -8.59	64.70 -3.65 -9.41	62.22 -3.79 -9.45	61.44 -3.90 -8.78	64.37 -3.28 -9.13	65.52 -3.47 -9.18	74.73 -3.79 -7.07	89.16 -4.76 -11.88	85.41 -4.39 -11.48	76.92 -3.63 -9.36	69.99 -3.15 -10.14	65.41 -3.16 -8.95	60.83 -3.73 -8.06	61.77 -2.56 -7.51
HUNTLEY___65 23559	63.79 -4.12 -11.42	61.92 -4.73 -10.32	61.54 -4.50 -9.77	61.75 -4.22 -9.65	62.33 -4.12 -10.01	65.77 -3.34 -12.44	82.26 -3.73 -12.83	89.19 -4.65 -16.40	82.95 -5.95 -10.66	76.23 -5.10 -10.46	70.46 -4.37 -8.59	64.70 -3.65 -9.41	62.22 -3.79 -9.45	61.44 -3.90 -8.78	64.37 -3.28 -9.13	65.52 -3.47 -9.18	74.73 -3.79 -7.07	89.16 -4.76 -11.88	85.41 -4.39 -11.48	76.92 -3.63 -9.36	69.99 -3.15 -10.14	65.41 -3.16 -8.95	60.83 -3.73 -8.06	61.77 -2.56 -7.51
HUNTLEY___66 23560	63.79 -4.12 -11.42	61.92 -4.73 -10.32	61.54 -4.50 -9.77	61.75 -4.22 -9.65	62.33 -4.12 -10.01	65.77 -3.34 -12.44	82.26 -3.73 -12.83	89.19 -4.65 -16.40	82.95 -5.95 -10.66	76.23 -5.10 -10.46	70.46 -4.37 -8.59	64.70 -3.65 -9.41	62.22 -3.79 -9.45	61.44 -3.90 -8.78	64.37 -3.28 -9.13	65.52 -3.47 -9.18	74.73 -3.79 -7.07	89.16 -4.76 -11.88	85.41 -4.39 -11.48	76.92 -3.63 -9.36	69.99 -3.15 -10.14	65.41 -3.16 -8.95	60.83 -3.73 -8.06	61.77 -2.56 -7.51
HUNTLEY___67 23561	63.93 -4.24 -11.66	62.08 -4.79 -10.54	61.64 -4.61 -9.98	61.85 -4.34 -9.86	62.49 -4.18 -10.22	66.04 -3.34 -12.71	82.82 -3.51 -13.17	89.62 -4.57 -16.75	83.26 -5.87 -10.88	76.45 -5.10 -10.69	70.71 -4.31 -8.78	64.84 -3.71 -9.61	62.37 -3.85 -9.65	61.57 -3.96 -8.97	64.51 -3.34 -9.33	65.72 -3.47 -9.38	74.95 -3.71 -7.23	89.42 -4.76 -12.14	85.66 -4.39 -11.73	77.12 -3.63 -9.56	70.20 -3.15 -10.36	65.36 -3.40 -9.14	60.83 -3.90 -8.23	61.76 -2.73 -7.67
HUNTLEY___68 23562	63.93 -4.24 -11.66	62.08 -4.79 -10.54	61.64 -4.61 -9.98	61.85 -4.34 -9.86	62.49 -4.18 -10.22	66.04 -3.34 -12.71	82.82 -3.51 -13.17	89.62 -4.57 -16.75	83.26 -5.87 -10.88	76.45 -5.10 -10.69	70.71 -4.31 -8.78	64.84 -3.71 -9.61	62.37 -3.85 -9.65	61.57 -3.96 -8.97	64.51 -3.34 -9.33	65.72 -3.47 -9.38	74.95 -3.71 -7.23	89.42 -4.76 -12.14	85.66 -4.39 -11.73	77.12 -3.63 -9.56	70.20 -3.15 -10.36	65.36 -3.40 -9.14	60.83 -3.90 -8.23	61.76 -2.73 -7.67



HYLAND___LFGE 323620	70.51 1.07 -12.94	68.70 0.68 -11.70	67.86 0.51 -11.08	67.89 0.62 -10.94	68.64 0.85 -11.35	72.76 1.98 -14.11	91.87 4.09 -14.61	100.35 4.33 -18.58	93.68 3.36 -12.08	85.63 2.91 -11.86	78.10 2.12 -9.73	71.44 1.83 -10.66	64.72 -2.54 -10.71	63.97 -2.54 -9.95	66.64 -2.22 -10.35	68.72 -1.49 -10.40	78.21 -1.21 -7.99	93.57 -1.88 -13.41	89.56 -1.72 -12.97	80.26 -1.50 -10.56	73.56 -0.88 -11.45	68.65 -1.07 -10.10	67.23 1.64 -9.10	67.15 1.82 -8.51
INDECK___CORINTH 23802	156.40 4.12 -95.78	146.94 4.06 -86.55	142.35 4.11 -81.97	140.93 3.66 -80.95	144.28 3.89 -83.94	164.84 3.80 -104.37	187.13 5.86 -108.11	220.53 6.12 -136.98	173.60 6.33 -89.02	163.97 5.67 -87.43	143.13 5.10 -71.79	142.11 4.54 -78.63	139.76 4.24 -78.95	134.18 4.24 -73.38	139.29 4.45 -76.33	141.24 4.72 -76.70	136.20 5.64 -59.12	187.97 6.64 -99.29	180.94 6.65 -95.98	155.29 5.91 -78.19	152.96 5.23 -84.74	139.15 4.77 -74.76	128.06 4.24 -67.32	123.70 3.87 -63.01
INDECK___ILION 23567	58.14 1.64 0.00	57.91 1.58 0.00	57.85 1.58 0.00	57.96 1.63 0.00	58.14 1.69 0.00	58.48 1.81 0.00	75.73 2.56 0.00	80.23 2.79 0.00	81.14 2.90 0.00	73.49 2.62 0.00	68.69 2.45 0.00	61.07 2.12 0.00	58.54 1.98 0.00	58.54 2.11 0.00	60.62 2.27 0.00	62.08 2.71 0.00	74.15 3.12 0.00	85.16 3.05 0.00	81.37 2.71 0.00	73.90 2.33 0.00	65.33 2.21 0.00	61.83 2.21 0.00	58.48 1.98 0.00	58.92 2.10 0.00
INDECK___OLEAN 23982	65.21 -4.92 -13.63	63.35 -5.30 -12.32	62.65 -5.29 -11.67	62.95 -4.90 -11.52	63.65 -4.74 -11.95	67.67 -3.86 -14.85	84.66 -3.88 -15.38	92.74 -4.26 -19.56	85.32 -5.63 -12.71	78.53 -4.82 -12.48	72.52 -3.97 -10.25	66.57 -3.60 -11.22	64.09 -3.73 -11.27	63.19 -3.85 -10.47	66.02 -3.40 -10.89	67.77 -2.99 -10.95	76.28 -3.57 -8.41	91.49 -4.67 -14.12	87.74 -4.23 -13.65	78.90 -3.42 -11.12	71.90 -3.15 -12.05	67.04 -3.22 -10.63	61.84 -4.24 -9.58	62.49 -3.30 -8.96
INDECK___OSWEGO 23783	61.14 -1.19 -5.83	60.24 -1.35 -5.26	59.85 -1.40 -4.99	59.85 -1.41 -4.92	60.20 -1.36 -5.11	61.83 -1.19 -6.35	78.65 -1.10 -6.58	84.48 -1.32 -8.36	82.03 -1.65 -5.43	74.78 -1.42 -5.33	69.16 -1.46 -4.38	62.27 -1.47 -4.79	59.79 -1.58 -4.81	59.45 -1.58 -4.47	61.59 -1.58 -4.65	62.99 -1.49 -4.68	73.25 -1.78 -3.60	86.11 -1.97 -6.04	82.27 -1.88 -5.84	74.24 -1.71 -4.75	66.64 -1.51 -5.15	62.80 -1.37 -4.55	59.12 -1.47 -4.09	59.17 -1.48 -3.83
INDECK___YERKES 23781	63.85 -4.07 -11.42	62.25 -4.39 -10.32	61.54 -4.50 -9.77	61.81 -4.17 -9.65	62.39 -4.06 -10.01	65.72 -3.40 -12.44	82.27 -3.73 -12.83	89.19 -4.64 -16.40	82.88 -6.02 -10.66	76.23 -5.10 -10.46	70.46 -4.37 -8.59	64.70 -3.65 -9.41	62.22 -3.79 -9.45	61.49 -3.85 -8.78	64.37 -3.28 -9.13	66.00 -2.99 -9.18	74.69 -3.79 -7.05	89.03 -4.84 -11.83	85.29 -4.46 -11.44	76.81 -3.71 -9.32	69.95 -3.15 -10.10	65.61 -2.92 -8.91	60.68 -3.84 -8.02	61.32 -3.01 -7.51
INDIAN POINT_GT_1 24139	135.30 4.52 -74.28	127.68 4.22 -67.12	124.01 4.16 -63.57	123.44 4.34 -62.78	125.95 4.40 -65.10	142.32 4.70 -80.95	163.23 6.22 -83.84	190.59 6.74 -106.41	156.52 7.04 -71.24	147.35 6.38 -70.10	138.62 6.03 -66.35	133.13 5.19 -69.00	131.97 4.92 -70.49	129.43 4.86 -68.00	126.06 5.15 -62.39	127.80 5.38 -62.61	134.94 6.50 -57.00	176.63 7.47 -87.13	169.21 7.13 -83.77	148.36 6.55 -70.61	142.06 5.80 -73.27	125.47 5.31 -60.55	115.93 4.69 -54.74	111.30 4.66 -49.82
INDIAN POINT_GT_2 23659	135.30 4.52 -74.28	127.68 4.22 -67.12	124.01 4.16 -63.57	123.44 4.34 -62.78	125.95 4.40 -65.10	142.32 4.70 -80.95	163.23 6.22 -83.84	190.59 6.74 -106.41	156.52 7.04 -71.24	147.35 6.38 -70.10	138.62 6.03 -66.35	133.13 5.19 -69.00	131.97 4.92 -70.49	129.43 4.86 -68.00	126.06 5.15 -62.39	127.80 5.38 -62.61	134.94 6.50 -57.00	176.63 7.47 -87.13	169.21 7.13 -83.77	148.36 6.55 -70.61	142.06 5.80 -73.27	125.47 5.31 -60.55	115.93 4.69 -54.74	111.30 4.66 -49.82
INDIAN POINT_GT_3 24019	135.30 4.52 -74.28	127.68 4.22 -67.12	124.01 4.16 -63.57	123.44 4.34 -62.78	125.95 4.40 -65.10	142.32 4.70 -80.95	163.23 6.22 -83.84	190.59 6.74 -106.41	156.52 7.04 -71.24	147.35 6.38 -70.10	138.62 6.03 -66.35	133.13 5.19 -69.00	131.97 4.92 -70.49	129.43 4.86 -68.00	126.06 5.15 -62.39	127.80 5.38 -62.61	134.94 6.50 -57.00	176.63 7.47 -87.13	169.21 7.13 -83.77	148.36 6.55 -70.61	142.06 5.80 -73.27	125.47 5.31 -60.55	115.93 4.69 -54.74	111.30 4.66 -49.82
INDIAN POINT___2 23530	134.32 4.41 -73.41	126.83 4.17 -66.34	123.16 4.05 -62.83	122.60 4.23 -62.04	125.07 4.29 -64.34	141.26 4.59 -80.00	162.10 6.07 -82.86	189.17 6.58 -105.16	155.45 6.89 -70.32	146.26 6.24 -69.15	137.24 5.89 -65.11	131.85 5.07 -67.83	130.62 4.80 -69.25	128.03 4.75 -66.72	124.99 4.97 -61.51	126.85 5.32 -61.72	133.65 6.36 -55.86	174.93 7.22 -85.67	167.67 6.97 -82.39	146.96 6.41 -69.36	140.68 5.60 -72.08	124.53 5.18 -59.72	115.06 4.57 -53.98	110.56 4.55 -49.19
INDIAN POINT___3 23531	135.19 4.41 -74.29	127.63 4.17 -67.13	123.96 4.11 -63.58	123.33 4.22 -62.78	125.90 4.35 -65.11	142.27 4.65 -80.95	163.16 6.15 -83.85	190.51 6.66 -106.41	156.36 6.96 -71.16	147.19 6.31 -70.01	138.14 5.96 -65.94	132.76 5.13 -68.69	131.50 4.81 -70.13	128.94 4.81 -67.57	125.82 5.03 -62.27	127.56 5.26 -62.49	134.43 6.43 -56.56	176.07 7.30 -86.74	168.69 6.97 -83.41	147.83 6.41 -70.22	141.64 5.67 -72.97	125.32 5.25 -60.45	115.77 4.63 -54.64	111.21 4.60 -49.79
INGHAM_C_115KV_TB7 356103	58.99 2.49 0.00	58.69 2.37 0.00	58.58 2.31 0.00	58.75 2.42 0.00	58.98 2.54 0.00	59.33 2.66 0.00	76.90 3.73 0.00	81.54 4.10 0.00	82.47 4.23 0.00	74.70 3.83 0.00	69.89 3.64 0.00	62.13 3.18 0.00	59.50 2.94 0.00	59.56 3.00 0.00	61.74 3.22 0.00	63.28 3.47 0.00	75.58 4.14 0.00	86.80 4.76 0.00	82.93 4.62 0.00	75.33 4.13 0.00	66.59 3.59 0.00	63.14 3.52 0.00	59.66 3.16 0.00	60.17 3.35 0.00
IP CORINTH___1 23988	156.40 4.12 -95.78	146.88 4.00 -86.55	142.36 4.11 -81.97	140.94 3.66 -80.95	144.28 3.89 -83.94	164.84 3.80 -104.37	187.13 5.85 -108.11	220.53 6.12 -136.98	173.60 6.34 -89.02	163.96 5.67 -87.42	143.12 5.10 -71.78	142.10 4.54 -78.62	139.74 4.24 -78.94	134.17 4.24 -73.36	139.28 4.45 -76.31	141.17 4.67 -76.69	136.21 5.64 -59.13	187.98 6.65 -99.30	180.95 6.66 -95.98	155.30 5.91 -78.19	152.97 5.23 -84.74	139.15 4.77 -74.76	128.12 4.29 -67.33	123.76 3.92 -63.01
IP___TICONDEROGA 23804	158.78 6.61 -95.67	149.27 6.48 -86.46	144.74 6.58 -81.89	143.33 6.14 -80.86	146.84 6.55 -83.85	167.22 6.29 -104.26	190.89 9.73 -107.99	224.57 10.30 -136.83	177.65 10.48 -88.92	167.55 9.35 -87.33	146.42 8.48 -71.70	144.96 7.49 -78.53	142.43 7.01 -78.85	136.86 7.01 -73.29	142.06 7.31 -76.23	144.07 7.66 -76.61	139.79 9.29 -59.06	192.14 10.91 -99.19	185.08 10.89 -95.88	158.99 9.68 -78.11	156.28 8.63 -84.65	142.11 7.81 -74.68	130.82 7.06 -67.26	126.24 6.48 -62.95
ISLIP_RES_REC 323679	150.45 7.40 -86.55	148.22 7.15 -84.74	146.86 7.03 -83.55	144.79 7.15 -81.30	146.97 7.33 -83.20	149.73 7.82 -85.24	165.62 9.00 -83.46	189.68 9.76 -102.48	160.53 10.02 -72.26	152.22 9.71 -71.64	153.23 9.54 -77.44	152.82 8.31 -85.57	151.98 7.86 -87.56	151.87 7.86 -87.45	152.15 8.31 -85.32	152.99 8.73 -84.44	156.96 10.43 -75.09	209.12 12.06 -115.02	183.94 11.28 -94.35	160.29 10.47 -78.63	157.29 9.26 -85.03	154.52 8.64 -86.26	149.08 7.62 -84.96	147.46 7.73 -82.91

JAMAICA__27_KV_LOAD 355505	137.26 5.59 -75.16	129.53 5.29 -67.91	125.81 5.23 -64.31	125.18 5.35 -63.50	127.78 5.48 -65.86	144.96 6.35 -81.94	166.09 8.05 -84.87	197.19 8.98 -110.77	199.32 8.69 -112.39	191.81 7.80 -113.14	187.77 7.42 -114.11	190.52 6.48 -125.09	192.69 6.11 -130.02	187.30 6.05 -124.68	186.99 6.38 -122.10	187.27 6.64 -120.82	195.92 8.22 -116.27	216.28 9.84 -124.40	205.91 9.40 -118.20	186.94 8.61 -107.12	186.27 7.24 -116.03	175.29 6.68 -108.99	175.72 6.33 -112.89	145.87 6.36 -82.69
JANIS__SOLAR 323808	80.75 3.50 -20.75	78.17 3.10 -18.75	76.90 2.87 -17.76	76.96 3.10 -17.54	78.02 3.39 -18.19	83.08 3.80 -22.61	102.88 6.29 -23.42	113.78 6.58 -29.77	103.77 6.18 -19.34	95.03 5.17 -18.99	86.40 4.57 -15.59	80.03 4.01 -17.08	77.33 3.62 -17.15	76.12 3.62 -15.94	78.90 3.80 -16.58	80.96 4.49 -16.66	90.10 5.86 -12.80	110.67 7.13 -21.50	105.99 6.89 -20.78	94.25 6.12 -16.93	86.45 5.10 -18.35	80.29 4.47 -16.19	74.47 3.39 -14.58	74.16 3.69 -13.65
JARVIS____ 23743	57.35 0.85 0.00	57.17 0.85 0.00	57.06 0.79 0.00	57.17 0.85 0.00	57.34 0.90 0.00	57.63 0.96 0.00	74.48 1.32 0.00	78.91 1.47 0.00	79.81 1.56 0.00	72.21 1.34 0.00	67.50 1.26 0.00	60.06 1.12 0.00	57.52 0.96 0.00	57.52 0.96 0.00	59.57 1.05 0.00	60.94 1.13 0.00	72.79 1.35 0.00	83.59 1.55 0.00	79.80 1.48 0.00	72.55 1.35 0.00	64.13 1.14 0.00	60.70 1.07 0.00	57.46 0.96 0.00	57.78 0.97 0.00
JENNISON____1 23625	87.05 3.95 -26.60	83.86 3.49 -24.04	82.42 3.38 -22.77	82.47 3.66 -22.48	83.71 3.95 -23.31	89.97 4.31 -28.99	110.14 6.95 -30.03	122.90 7.36 -38.10	110.28 7.28 -24.76	101.56 6.38 -24.32	92.17 5.96 -19.97	86.12 5.30 -21.87	83.33 4.81 -21.96	81.66 4.69 -20.41	84.72 4.97 -21.23	86.47 5.32 -21.33	94.52 6.64 -16.44	117.52 7.88 -27.61	112.68 7.67 -26.69	99.70 6.76 -21.74	92.23 5.67 -23.56	85.36 4.95 -20.79	79.23 4.01 -18.72	78.75 4.43 -17.50
JENNISON____2 23626	87.05 3.95 -26.60	83.86 3.49 -24.04	82.42 3.38 -22.77	82.47 3.66 -22.48	83.71 3.95 -23.31	89.97 4.31 -28.99	110.14 6.95 -30.03	122.90 7.36 -38.10	110.28 7.28 -24.76	101.56 6.38 -24.32	92.17 5.96 -19.97	86.12 5.30 -21.87	83.33 4.81 -21.96	81.66 4.69 -20.41	84.72 4.97 -21.23	86.47 5.32 -21.33	94.52 6.64 -16.44	117.52 7.88 -27.61	112.68 7.67 -26.69	99.70 6.76 -21.74	92.23 5.67 -23.56	85.36 4.95 -20.79	79.23 4.01 -18.72	78.75 4.43 -17.50
JERICOHO_RISE_WT_PWR 323719	55.59 -0.91 0.00	55.59 -0.73 0.00	55.54 -0.73 0.00	55.65 -0.67 0.00	55.82 -0.62 0.00	55.99 -0.68 0.00	71.34 -1.83 0.00	75.74 -1.70 0.00	76.76 -1.49 0.00	69.52 -1.35 0.00	65.12 -1.13 0.00	58.18 -0.77 0.00	56.05 -0.51 0.00	56.11 -0.45 0.00	57.99 -0.53 0.00	59.15 -0.66 0.00	70.79 -0.64 0.00	81.55 -0.49 0.00	77.85 -0.47 0.00	70.62 -0.57 0.00	62.49 -0.51 0.00	59.14 -0.48 0.00	56.50 0.00 0.00	56.88 0.06 0.00
KATONAH__115KV_46KV_TB4 355592	137.34 5.03 -75.81	129.57 4.73 -68.51	125.83 4.67 -64.89	125.24 4.84 -64.07	127.69 4.80 -66.44	144.44 5.16 -82.61	165.69 6.95 -85.57	193.48 7.59 -108.45	156.82 7.82 -70.76	147.39 7.02 -69.50	133.55 6.76 -60.55	129.45 5.78 -64.72	127.49 5.49 -65.44	123.83 5.43 -61.84	125.08 5.73 -60.83	126.91 5.98 -61.12	129.24 7.22 -50.59	172.74 8.37 -82.34	165.81 8.07 -79.43	144.09 7.33 -65.56	139.19 6.55 -69.64	125.15 5.96 -59.57	115.26 5.08 -53.67	111.85 5.11 -49.92
KCE_NY_1 323755	155.87 3.84 -95.53	146.43 3.77 -86.33	141.80 3.77 -81.76	140.78 3.72 -80.74	144.01 3.84 -83.72	164.57 3.80 -104.10	186.48 5.49 -107.83	219.71 5.65 -136.62	172.90 5.87 -88.79	163.39 5.32 -87.21	142.68 4.83 -71.60	141.67 4.30 -78.42	139.38 4.07 -78.75	133.82 4.07 -73.19	138.91 4.27 -76.13	140.80 4.49 -76.50	135.77 5.36 -58.97	187.30 6.23 -99.03	180.15 6.11 -95.73	154.66 5.48 -77.98	152.43 4.92 -84.52	138.71 4.53 -74.56	127.77 4.12 -67.15	123.59 3.92 -62.85
KCE_NY_6_ESR 323823	64.74 -3.90 -12.14	63.07 -4.23 -10.97	62.38 -4.28 -10.39	62.64 -3.94 -10.26	63.24 -3.84 -10.64	67.01 -2.89 -13.23	84.00 -2.85 -13.69	91.23 -3.64 -17.43	84.64 -4.93 -11.33	77.88 -4.11 -11.12	71.93 -3.45 -9.13	66.00 -2.95 -10.00	63.49 -3.11 -10.04	62.67 -3.22 -9.33	65.59 -2.63 -9.71	67.29 -2.27 -9.76	76.07 -2.86 -7.49	90.93 -3.69 -12.58	87.11 -3.37 -12.16	78.40 -2.71 -9.91	71.34 -2.39 -10.74	66.59 -2.50 -9.47	61.58 -3.45 -8.53	62.19 -2.61 -7.98
KEDC PORT_JEFF_GT2 24210	149.83 6.78 -86.55	147.71 6.64 -84.74	146.35 6.52 -83.55	144.28 6.64 -81.30	146.41 6.77 -83.20	149.11 7.20 -85.24	164.04 7.61 -83.27	187.38 8.20 -101.74	159.20 8.76 -72.19	151.37 8.86 -71.64	152.24 8.55 -77.44	152.00 7.49 -85.57	151.25 7.13 -87.56	151.14 7.13 -87.45	151.33 7.49 -85.32	152.09 7.83 -84.44	155.89 9.36 -75.09	207.22 10.17 -115.02	182.29 9.63 -94.34	159.02 9.19 -78.63	156.29 8.25 -85.04	153.63 7.75 -86.26	148.46 7.00 -84.96	146.89 7.16 -82.91
KEDC PORT_JEFF_GT3 24211	149.83 6.78 -86.55	147.71 6.64 -84.74	146.35 6.52 -83.55	144.28 6.64 -81.30	146.41 6.77 -83.20	149.11 7.20 -85.24	164.04 7.61 -83.27	187.38 8.20 -101.74	159.20 8.76 -72.19	151.37 8.86 -71.64	152.24 8.55 -77.44	152.00 7.49 -85.57	151.25 7.13 -87.56	151.14 7.13 -87.45	151.33 7.49 -85.32	152.09 7.83 -84.44	155.89 9.36 -75.09	207.22 10.17 -115.02	182.29 9.63 -94.34	159.02 9.19 -78.63	156.29 8.25 -85.04	153.63 7.75 -86.26	148.46 7.00 -84.96	146.89 7.16 -82.91
KEDC_GLWD_GT4 24219	149.16 6.10 -86.55	146.87 5.80 -84.74	145.50 5.68 -83.55	143.43 5.80 -81.30	145.56 5.93 -83.20	148.20 6.29 -85.24	165.85 7.90 -84.78	193.68 8.59 -107.65	160.00 8.99 -72.76	150.87 8.36 -71.64	151.70 8.01 -77.45	151.46 6.95 -85.57	150.68 6.56 -87.57	150.57 6.56 -87.45	150.69 6.84 -85.33	151.43 7.17 -84.45	155.17 8.64 -75.10	207.06 10.01 -115.02	182.13 9.47 -94.35	158.43 8.61 -78.62	155.61 7.62 -84.99	152.91 7.03 -86.26	147.68 6.22 -84.96	145.92 6.19 -82.91
KEDC_GLWD_GT5 24220	149.16 6.10 -86.55	146.87 5.80 -84.74	145.50 5.68 -83.55	143.43 5.80 -81.30	145.56 5.93 -83.20	148.20 6.29 -85.24	165.85 7.90 -84.78	193.68 8.59 -107.65	160.00 8.99 -72.76	150.87 8.36 -71.64	151.70 8.01 -77.45	151.46 6.95 -85.57	150.68 6.56 -87.57	150.57 6.56 -87.45	150.69 6.84 -85.33	151.43 7.17 -84.45	155.17 8.64 -75.10	207.06 10.01 -115.02	182.13 9.47 -94.35	158.43 8.61 -78.62	155.61 7.62 -84.99	152.91 7.03 -86.26	147.68 6.22 -84.96	145.92 6.19 -82.91
KENSICO____ 23655	136.15 4.75 -74.90	128.47 4.45 -67.69	124.77 4.39 -64.11	124.14 4.51 -63.30	126.72 4.63 -65.65	143.23 4.93 -81.63	164.23 6.51 -84.55	191.82 7.05 -107.34	157.92 7.43 -72.25	148.72 6.73 -71.12	141.49 6.36 -68.89	135.50 5.48 -71.07	134.50 5.15 -72.80	132.34 5.15 -70.63	127.42 5.38 -63.52	129.15 5.62 -63.72	137.85 6.86 -59.55	179.58 7.79 -89.75	171.97 7.44 -86.22	151.09 6.83 -73.06	144.34 6.05 -75.29	126.71 5.54 -61.55	117.10 4.92 -55.68	112.19 4.94 -50.43
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	132.39 5.03 -70.86	125.04 4.68 -64.04	121.48 4.56 -60.65	121.06 4.84 -59.89	123.52 4.97 -62.10	139.39 5.50 -77.22	160.54 7.39 -79.98	186.53 7.74 -101.35	152.25 8.14 -65.87	142.85 7.30 -64.68	126.11 6.76 -53.11	122.77 5.66 -58.17	119.60 4.64 -58.41	115.48 4.64 -54.28	119.90 4.92 -56.46	121.82 5.26 -56.74	122.21 6.79 -43.99	164.03 8.12 -73.87	157.39 7.67 -71.40	136.13 6.76 -58.17	132.59 6.55 -63.04	121.14 5.90 -55.62	111.56 4.97 -50.09	108.70 5.00 -46.88

KIAC_JFK_GT1 23816	137.09 5.42 -75.16	129.36 5.13 -67.91	125.59 5.01 -64.31	124.95 5.13 -63.50	127.55 5.25 -65.86	144.73 6.12 -81.94	165.79 7.76 -84.87	196.88 8.67 -110.77	199.01 8.37 -112.39	191.59 7.58 -113.14	187.51 7.15 -114.11	190.29 6.25 -125.09	192.46 5.88 -130.02	187.07 5.83 -124.68	186.76 6.14 -122.10	187.03 6.40 -120.82	195.64 7.93 -116.27	215.95 9.52 -124.40	205.59 9.08 -118.20	186.65 8.33 -107.12	186.02 6.99 -116.03	175.05 6.44 -108.99	175.55 6.16 -112.89	145.70 6.19 -82.69
KIAC_JFK_GT2 23817	137.09 5.42 -75.16	129.36 5.13 -67.91	125.59 5.01 -64.31	124.95 5.13 -63.50	127.55 5.25 -65.86	144.73 6.12 -81.94	165.79 7.76 -84.87	196.88 8.67 -110.77	199.01 8.37 -112.39	191.59 7.58 -113.14	187.51 7.15 -114.11	190.29 6.25 -125.09	192.46 5.88 -130.02	187.07 5.83 -124.68	186.76 6.14 -122.10	187.03 6.40 -120.82	195.64 7.93 -116.27	215.95 9.52 -124.40	205.59 9.08 -118.20	186.65 8.33 -107.12	186.02 6.99 -116.03	175.05 6.44 -108.99	175.55 6.16 -112.89	145.70 6.19 -82.69
KIAC_JFK____ 323774	137.09 5.42 -75.16	129.36 5.13 -67.91	125.59 5.01 -64.31	124.95 5.13 -63.50	127.55 5.25 -65.86	144.74 6.12 -81.94	165.79 7.75 -84.87	196.88 8.67 -110.77	199.17 8.53 -112.39	191.58 7.59 -113.13	187.50 7.16 -114.10	190.27 6.25 -125.08	192.44 5.88 -130.00	187.11 5.88 -124.67	186.74 6.14 -122.08	187.07 6.46 -120.80	195.63 7.93 -116.27	215.94 9.51 -124.39	205.58 9.08 -118.19	186.64 8.33 -107.12	186.01 6.99 -116.02	175.04 6.44 -108.98	175.49 6.10 -112.88	145.65 6.14 -82.69
KINTIGH____ 23543	63.23 -3.33 -10.07	61.54 -3.89 -9.10	61.18 -3.71 -8.62	61.29 -3.55 -8.51	61.88 -3.39 -8.82	65.04 -2.61 -10.97	81.90 -2.63 -11.37	88.34 -3.56 -14.46	82.87 -4.77 -9.40	75.92 -4.18 -9.23	70.24 -3.58 -7.58	64.12 -3.12 -8.30	61.61 -3.28 -8.33	60.97 -3.34 -7.75	63.77 -2.81 -8.06	65.04 -2.87 -8.10	74.61 -3.07 -6.24	88.58 -3.94 -10.48	84.76 -3.68 -10.13	76.46 -2.99 -8.25	69.30 -2.65 -8.94	64.65 -2.86 -7.89	60.33 -3.28 -7.11	61.11 -2.33 -6.62
KNTFSRNC_46_KV_46KV_LOAD 80397	56.50 0.00 0.00	56.50 0.17 0.00	56.39 0.11 0.00	56.55 0.23 0.00	56.78 0.34 0.00	57.12 0.45 0.00	72.65 -0.51 0.00	77.21 -0.23 0.00	78.09 -0.16 0.00	70.73 -0.14 0.00	66.31 0.07 0.00	59.24 0.29 0.00	57.01 0.45 0.00	57.13 0.57 0.00	59.04 0.53 0.00	60.53 0.72 0.00	72.29 0.86 0.00	83.35 1.31 0.00	79.57 1.25 0.00	72.12 0.93 0.00	63.75 0.76 0.00	60.40 0.78 0.00	57.46 0.96 0.00	57.79 0.97 0.00
LACHUTE____HYDRO 323717	158.78 6.61 -95.67	149.26 6.47 -86.46	144.74 6.58 -81.89	143.33 6.14 -80.86	146.84 6.54 -83.85	167.22 6.29 -104.26	190.89 9.73 -107.99	224.57 10.30 -136.83	177.66 10.49 -88.92	167.56 9.35 -87.34	146.43 8.48 -71.71	144.97 7.49 -78.54	142.44 7.01 -78.87	136.87 7.01 -73.30	142.07 7.31 -76.24	144.15 7.72 -76.62	139.78 9.28 -59.06	192.13 10.91 -99.18	185.07 10.88 -95.87	158.98 9.68 -78.10	156.27 8.63 -84.64	142.10 7.81 -74.67	130.76 7.00 -67.25	126.19 6.42 -62.95
LAWRNCV_115KV_TB1 80681	54.58 -1.92 0.00	54.64 -1.69 0.00	54.58 -1.69 0.00	54.69 -1.63 0.00	54.81 -1.64 0.00	54.46 -2.21 0.00	68.56 -4.61 0.00	73.03 -4.41 0.00	73.86 -4.38 0.00	66.83 -4.04 0.00	62.53 -3.71 0.00	56.47 -2.48 0.00	54.86 -1.70 0.00	54.92 -1.64 0.00	56.41 -2.11 0.00	57.18 -2.63 0.00	67.36 -4.07 0.00	77.53 -4.51 0.00	74.01 -4.31 0.00	67.14 -4.06 0.00	59.34 -3.65 0.00	56.64 -2.98 0.00	54.92 -1.58 0.00	55.17 -1.65 0.00
LEDERLE____ 23769	133.43 4.52 -72.41	126.05 4.28 -65.44	122.41 4.16 -61.98	121.87 4.34 -61.20	124.31 4.40 -63.47	140.34 4.76 -78.91	161.20 6.29 -81.74	188.03 6.89 -103.70	154.36 7.20 -68.92	145.10 6.45 -67.78	134.44 6.09 -62.11	129.52 5.25 -65.33	127.96 4.92 -66.48	125.04 4.86 -63.61	123.66 5.09 -60.05	125.47 5.38 -60.28	130.86 6.57 -52.85	171.96 7.47 -82.46	164.82 7.13 -79.38	144.15 6.55 -66.40	138.36 5.80 -69.57	123.30 5.31 -58.38	113.92 4.69 -52.73	109.79 4.66 -48.32
LIGHTHSE_115KV_TB6 355974	61.51 -0.40 -5.40	60.53 -0.68 -4.88	60.22 -0.68 -4.62	60.27 -0.62 -4.57	60.62 -0.56 -4.74	62.05 -0.51 -5.89	79.19 -0.07 -6.10	85.05 0.00 -7.61	82.88 -0.31 -4.95	75.51 -0.21 -4.86	69.90 -0.33 -3.99	62.96 -0.35 -4.37	60.44 -0.51 -4.39	60.13 -0.51 -4.08	62.29 -0.47 -4.24	63.71 -0.36 -4.26	74.29 -0.43 -3.28	87.06 -0.49 -5.52	83.25 -0.39 -5.33	75.11 -0.43 -4.34	67.26 -0.44 -4.71	63.30 -0.48 -4.15	59.62 -0.62 -3.74	59.81 -0.57 -3.55
LINDEN COGEN____ 23786	136.58 4.91 -75.16	128.85 4.62 -67.91	125.08 4.50 -64.31	124.45 4.62 -63.50	127.04 4.74 -65.86	143.77 5.16 -81.94	164.77 6.73 -84.87	195.57 7.36 -110.77	198.31 7.67 -112.39	190.87 6.87 -113.13	186.90 6.56 -114.10	189.74 5.72 -125.08	191.94 5.38 -130.00	186.60 5.38 -124.67	186.22 5.62 -122.08	186.53 5.92 -120.80	194.78 7.07 -116.27	214.47 8.04 -124.39	204.18 7.68 -118.19	185.36 7.05 -107.12	185.26 6.24 -116.02	174.45 5.85 -108.98	163.98 5.14 -102.34	138.74 5.17 -76.75
LINDHRST_69_KV_BK1 356055	149.89 6.84 -86.55	147.55 6.48 -84.74	146.24 6.42 -83.55	144.17 6.53 -81.30	146.30 6.66 -83.20	148.99 7.08 -85.24	165.86 8.56 -84.14	191.87 9.29 -105.14	160.31 9.55 -72.52	151.81 9.28 -71.66	152.51 8.81 -77.46	152.19 7.66 -85.58	151.38 7.24 -87.58	151.27 7.24 -87.47	151.46 7.61 -85.34	152.22 7.95 -84.46	156.18 9.64 -75.10	208.22 11.16 -115.02	183.24 10.57 -94.35	159.43 9.61 -78.62	156.44 8.44 -85.00	153.76 7.87 -86.26	148.47 7.01 -84.97	146.78 7.05 -82.91
LIPA_MISC_IPP 23656	150.17 7.12 -86.55	148.00 6.93 -84.74	146.63 6.81 -83.55	144.56 6.93 -81.30	146.75 7.11 -83.20	149.62 7.71 -85.24	165.85 9.00 -83.68	190.86 10.07 -103.35	160.45 9.86 -72.35	152.31 9.78 -71.66	152.91 9.21 -77.46	152.54 8.02 -85.58	151.72 7.58 -87.58	151.61 7.58 -87.47	151.87 8.02 -85.34	152.58 8.31 -84.46	156.68 10.14 -75.10	209.12 12.06 -115.02	184.02 11.36 -94.35	160.30 10.47 -78.63	157.29 9.26 -85.03	154.41 8.53 -86.26	148.98 7.51 -84.97	147.46 7.73 -82.91
LISF__SOLAR 323691	150.34 7.29 -86.55	148.17 7.10 -84.74	146.80 6.98 -83.55	144.73 7.10 -81.30	146.87 7.23 -83.20	149.78 7.87 -85.24	165.94 9.14 -83.63	190.88 10.30 -103.13	160.82 10.25 -72.33	152.29 9.78 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.88 10.35 -75.09	209.36 12.30 -115.02	184.33 11.67 -94.35	160.50 10.68 -78.63	157.47 9.45 -85.03	154.58 8.70 -86.26	149.08 7.62 -84.96	147.51 7.78 -82.91
LITTLE FALLS____HYD 24013	58.99 2.49 0.00	58.69 2.37 0.00	58.58 2.31 0.00	58.75 2.42 0.00	58.98 2.54 0.00	59.33 2.66 0.00	76.90 3.73 0.00	81.54 4.10 0.00	82.47 4.23 0.00	74.70 3.83 0.00	69.89 3.64 0.00	62.13 3.18 0.00	59.50 2.94 0.00	59.56 3.00 0.00	61.74 3.22 0.00	63.28 3.47 0.00	75.58 4.14 0.00	86.80 4.76 0.00	82.93 4.62 0.00	75.33 4.13 0.00	66.59 3.59 0.00	63.14 3.52 0.00	59.66 3.16 0.00	60.17 3.35 0.00
LITTLRIV_115KV_TB1 356100	55.14 -1.36 0.00	55.15 -1.18 0.00	55.09 -1.18 0.00	55.26 -1.07 0.00	55.37 -1.07 0.00	55.08 -1.59 0.00	69.58 -3.59 0.00	74.19 -3.25 0.00	75.11 -3.13 0.00	67.96 -2.91 0.00	63.59 -2.65 0.00	57.41 -1.53 0.00	55.77 -0.79 0.00	55.88 -0.68 0.00	57.41 -1.11 0.00	58.14 -1.67 0.00	68.44 -3.00 0.00	78.76 -3.28 0.00	75.26 -3.05 0.00	68.21 -2.99 0.00	60.23 -2.77 0.00	57.42 -2.21 0.00	55.54 -0.96 0.00	55.80 -1.02 0.00

LI_NEWBRDGE___DRP 323616	148.59 5.54 -86.55	146.31 5.24 -84.74	145.00 5.18 -83.55	142.98 5.35 -81.30	145.06 5.42 -83.20	147.63 5.72 -85.24	164.97 7.02 -84.78	192.76 7.67 -107.65	158.98 7.98 -72.76	150.18 7.65 -71.66	150.99 7.29 -77.46	150.83 6.31 -85.58	150.08 5.94 -87.58	149.96 5.94 -87.47	150.06 6.20 -85.34	150.73 6.46 -84.46	154.39 7.86 -75.10	206.00 8.94 -115.02	181.20 8.54 -94.35	157.65 7.83 -78.62	154.92 6.93 -84.99	152.32 6.44 -86.26	147.23 5.76 -84.97	145.47 5.74 -82.91
LOCKPORT_115KV_TB60_63_64 80432	62.93 -4.52 -10.95	61.10 -5.13 -9.89	60.75 -4.90 -9.37	60.96 -4.62 -9.25	61.58 -4.46 -9.60	64.97 -3.63 -11.93	81.56 -3.95 -12.34	88.21 -4.96 -15.72	82.20 -6.26 -10.22	75.45 -5.46 -10.03	69.78 -4.70 -8.24	63.96 -4.01 -9.02	61.44 -4.19 -9.06	60.74 -4.24 -8.42	63.59 -3.69 -8.76	64.84 -3.77 -8.80	74.08 -4.14 -6.78	88.26 -5.17 -11.39	84.47 -4.86 -11.01	76.18 -3.99 -8.97	69.19 -3.53 -9.72	64.50 -3.70 -8.58	60.04 -4.18 -7.73	61.01 -3.01 -7.20
LOCKPORT___CC1 323769	62.79 -4.75 -11.04	61.23 -5.07 -9.97	60.60 -5.12 -9.45	60.81 -4.84 -9.33	61.43 -4.68 -9.67	64.84 -3.86 -12.03	81.36 -4.25 -12.44	87.95 -5.34 -15.85	81.81 -6.73 -10.30	75.24 -5.74 -10.11	69.58 -4.97 -8.30	63.74 -4.30 -9.09	61.28 -4.41 -9.13	60.58 -4.47 -8.49	63.42 -3.92 -8.83	65.09 -3.59 -8.87	73.82 -4.43 -6.81	87.89 -5.58 -11.44	84.12 -5.25 -11.06	75.86 -4.35 -9.01	68.98 -3.78 -9.76	64.48 -3.75 -8.61	59.68 -4.57 -7.75	60.33 -3.75 -7.26
LOCKPORT___CC2 323770	62.79 -4.75 -11.04	61.23 -5.07 -9.97	60.60 -5.12 -9.45	60.81 -4.84 -9.33	61.43 -4.68 -9.67	64.84 -3.86 -12.03	81.36 -4.25 -12.44	87.95 -5.34 -15.85	81.81 -6.73 -10.30	75.24 -5.74 -10.11	69.58 -4.97 -8.30	63.74 -4.30 -9.09	61.28 -4.41 -9.13	60.58 -4.47 -8.49	63.42 -3.92 -8.83	65.09 -3.59 -8.87	73.82 -4.43 -6.81	87.89 -5.58 -11.44	84.12 -5.25 -11.06	75.86 -4.35 -9.01	68.98 -3.78 -9.76	64.48 -3.75 -8.61	59.68 -4.57 -7.75	60.33 -3.75 -7.26
LOCKPORT___CC3 323771	62.79 -4.75 -11.04	61.23 -5.07 -9.97	60.60 -5.12 -9.45	60.81 -4.84 -9.33	61.43 -4.68 -9.67	64.84 -3.86 -12.03	81.36 -4.25 -12.44	87.95 -5.34 -15.85	81.81 -6.73 -10.30	75.24 -5.74 -10.11	69.58 -4.97 -8.30	63.74 -4.30 -9.09	61.28 -4.41 -9.13	60.58 -4.47 -8.49	63.42 -3.92 -8.83	65.09 -3.59 -8.87	73.82 -4.43 -6.81	87.89 -5.58 -11.44	84.12 -5.25 -11.06	75.86 -4.35 -9.01	68.98 -3.78 -9.76	64.48 -3.75 -8.61	59.68 -4.57 -7.75	60.33 -3.75 -7.26
LONG_LAKE_PHOENIX 24014	61.61 -0.90 -6.02	60.64 -1.13 -5.44	60.24 -1.18 -5.15	60.23 -1.18 -5.09	60.59 -1.13 -5.28	62.27 -0.96 -6.56	79.23 -0.73 -6.79	85.18 -0.93 -8.67	82.63 -1.25 -5.64	75.27 -1.13 -5.54	69.60 -1.19 -4.55	62.68 -1.24 -4.98	60.26 -1.30 -5.00	59.85 -1.36 -4.65	62.06 -1.29 -4.83	63.41 -1.26 -4.86	73.82 -1.36 -3.74	86.76 -1.56 -6.29	82.90 -1.49 -6.08	74.79 -1.35 -4.95	67.16 -1.20 -5.36	63.22 -1.13 -4.73	59.46 -1.30 -4.26	59.59 -1.19 -3.96
LOVETT___3 23632	133.46 4.29 -72.66	126.05 4.06 -65.66	122.46 4.00 -62.19	121.85 4.11 -61.41	124.31 4.18 -63.68	140.39 4.53 -79.18	161.18 6.00 -82.02	188.00 6.50 -104.06	154.27 6.81 -69.21	145.04 6.09 -68.08	134.68 5.83 -62.61	129.73 5.01 -65.77	128.22 4.69 -66.96	125.33 4.64 -64.13	123.72 4.86 -60.35	125.46 5.08 -60.57	130.99 6.21 -53.34	172.11 7.06 -83.02	165.03 6.81 -79.91	144.37 6.27 -66.90	138.56 5.54 -70.02	123.34 5.07 -58.65	113.95 4.46 -52.98	109.76 4.43 -48.51
LOVETT___4 23642	133.46 4.29 -72.66	126.05 4.06 -65.66	122.46 4.00 -62.19	121.85 4.11 -61.41	124.31 4.18 -63.68	140.39 4.53 -79.18	161.18 6.00 -82.02	188.00 6.50 -104.06	154.27 6.81 -69.21	145.04 6.09 -68.08	134.68 5.83 -62.61	129.73 5.01 -65.77	128.22 4.69 -66.96	125.33 4.64 -64.13	123.72 4.86 -60.35	125.46 5.08 -60.57	130.99 6.21 -53.34	172.11 7.06 -83.02	165.03 6.81 -79.91	144.37 6.27 -66.90	138.56 5.54 -70.02	123.34 5.07 -58.65	113.95 4.46 -52.98	109.76 4.43 -48.51
LOVETT___5 23593	133.46 4.29 -72.66	126.05 4.06 -65.66	122.46 4.00 -62.19	121.85 4.11 -61.41	124.31 4.18 -63.68	140.39 4.53 -79.18	161.18 6.00 -82.02	188.00 6.50 -104.06	154.27 6.81 -69.21	145.04 6.09 -68.08	134.68 5.83 -62.61	129.73 5.01 -65.77	128.22 4.69 -66.96	125.33 4.64 -64.13	123.72 4.86 -60.35	125.46 5.08 -60.57	130.99 6.21 -53.34	172.11 7.06 -83.02	165.03 6.81 -79.91	144.37 6.27 -66.90	138.56 5.54 -70.02	123.34 5.07 -58.65	113.95 4.46 -52.98	109.76 4.43 -48.51
LOWER RAQUET___HYD 24057	54.41 -2.09 0.00	54.35 -1.97 0.00	54.42 -1.86 0.00	54.52 -1.80 0.00	54.64 -1.81 0.00	54.24 -2.44 0.00	68.33 -4.83 0.00	72.87 -4.57 0.00	73.70 -4.54 0.00	66.69 -4.18 0.00	62.40 -3.84 0.00	56.35 -2.59 0.00	54.70 -1.87 0.00	54.75 -1.81 0.00	56.23 -2.28 0.00	56.46 -3.35 0.00	67.22 -4.21 0.00	77.37 -4.67 0.00	73.93 -4.38 0.00	67.00 -4.20 0.00	59.22 -3.78 0.00	56.23 -3.40 0.00	54.86 -1.64 0.00	55.17 -1.65 0.00
LOWER___HUDSON 24059	153.36 2.88 -93.98	144.07 2.82 -84.93	139.52 2.81 -80.44	138.63 2.87 -79.43	141.69 2.88 -82.37	162.03 2.95 -102.41	183.27 4.02 -106.08	215.95 4.10 -134.41	170.05 4.46 -87.35	160.70 4.04 -85.80	140.39 3.71 -70.44	139.40 3.30 -77.15	137.20 3.17 -77.47	131.73 3.17 -72.00	136.75 3.33 -74.90	138.54 3.47 -75.27	133.59 4.14 -58.02	184.14 4.67 -97.43	177.03 4.54 -94.18	152.05 4.13 -76.72	149.80 3.65 -83.15	136.43 3.46 -73.36	125.78 3.22 -66.06	121.72 3.07 -61.83
LOWVILLE_115KV_TB2 356335	60.25 0.90 -2.85	59.64 0.73 -2.58	59.33 0.62 -2.44	59.58 0.84 -2.41	59.96 1.02 -2.50	60.85 1.08 -3.11	78.21 1.83 -3.22	83.37 2.94 -2.99	82.92 2.74 -1.94	75.04 2.27 -1.91	69.86 2.05 -1.57	62.54 1.89 -1.71	59.92 1.64 -1.72	59.86 1.70 -1.60	61.94 1.76 -1.66	63.40 1.91 -1.67	74.30 1.57 -1.29	86.34 2.13 -2.16	82.60 2.19 -2.09	74.61 1.71 -1.70	66.17 1.32 -1.85	62.32 1.07 -1.63	58.87 0.90 -1.47	59.66 0.97 -1.87
LUTHERFT_115KV_GLOB_FND_222 355753	155.81 3.79 -95.53	146.37 3.72 -86.33	141.80 3.77 -81.76	140.72 3.66 -80.74	143.95 3.78 -83.72	164.51 3.74 -104.10	186.41 5.41 -107.83	219.64 5.58 -136.62	172.90 5.87 -88.79	163.31 5.24 -87.19	142.67 4.84 -71.59	141.60 4.24 -78.41	139.31 4.02 -78.73	133.75 4.02 -73.17	138.85 4.21 -76.12	140.73 4.43 -76.49	135.70 5.29 -58.97	187.23 6.15 -99.04	180.07 6.03 -95.73	154.67 5.48 -77.99	152.37 4.85 -84.52	138.66 4.47 -74.57	127.78 4.12 -67.15	123.59 3.92 -62.85
LUTHERNY_35_KV_BK2 355980	155.87 3.84 -95.53	146.37 3.72 -86.33	141.80 3.77 -81.76	140.78 3.72 -80.74	144.01 3.84 -83.72	164.57 3.80 -104.10	186.48 5.49 -107.83	219.71 5.65 -136.62	172.90 5.87 -88.79	163.38 5.32 -87.19	142.67 4.84 -71.59	141.66 4.30 -78.41	139.37 4.07 -78.73	133.81 4.07 -73.17	138.91 4.27 -76.12	140.73 4.43 -76.49	135.77 5.36 -58.97	187.31 6.23 -99.04	180.15 6.11 -95.73	154.67 5.48 -77.99	152.43 4.91 -84.52	138.72 4.53 -74.57	127.83 4.18 -67.15	123.59 3.92 -62.85
LWR___OSWEGATCHIE_HYD 23850	57.37 -1.19 -2.06	57.00 -1.18 -1.86	56.85 -1.18 -1.76	57.00 -1.07 -1.74	57.29 -0.96 -1.80	57.67 -1.25 -2.24	73.37 -2.12 -2.32	78.19 -1.63 -2.38	78.07 -1.72 -1.55	70.69 -1.70 -1.52	65.83 -1.66 -1.25	59.25 -1.06 -1.36	57.20 -0.74 -1.37	57.16 -0.68 -1.27	58.91 -0.94 -1.33	60.00 -1.14 -1.33	70.46 -2.00 -1.03	81.71 -2.05 -1.72	78.18 -1.80 -1.67	70.63 -1.92 -1.36	62.64 -1.83 -1.47	59.31 -1.61 -1.30	56.71 -0.96 -1.17	57.15 -1.02 -1.35

LYONS_FALL_HYD 23570	60.72 1.47 -2.75	60.11 1.30 -2.49	59.81 1.18 -2.36	60.00 1.35 -2.33	60.38 1.52 -2.41	61.31 1.64 -3.00	78.90 2.63 -3.11	83.94 3.95 -2.55	83.82 3.91 -1.66	75.83 3.33 -1.63	70.63 3.05 -1.34	63.12 2.71 -1.47	60.52 2.49 -1.47	60.41 2.49 -1.37	62.51 2.57 -1.42	63.93 2.69 -1.43	75.42 2.29 -1.70	87.76 2.87 -2.85	83.97 2.90 -2.76	75.86 2.42 -2.25	67.39 1.96 -2.43	63.44 1.67 -2.15	59.85 1.41 -1.93	60.10 1.47 -1.81
MADISON___COUNTY_LFGE 323628	63.35 2.26 -4.59	62.45 1.97 -4.15	62.11 1.91 -3.93	62.23 2.03 -3.88	62.67 2.20 -4.02	64.11 2.44 -5.00	82.22 3.88 -5.18	88.33 3.25 -7.64	86.34 3.13 -4.97	78.37 2.62 -4.88	72.70 2.45 -4.00	65.39 2.06 -4.39	62.72 1.75 -4.40	62.41 1.75 -4.09	64.71 1.93 -4.26	66.18 2.09 -4.28	78.09 3.36 -3.30	91.51 3.94 -5.54	87.50 3.84 -5.35	78.83 3.28 -4.36	70.49 2.77 -4.73	66.24 2.44 -4.17	62.23 1.98 -3.75	62.00 2.16 -3.02
MALONE___115KV_TB1 356076	55.93 -0.56 0.00	55.93 -0.39 0.00	55.88 -0.39 0.00	55.99 -0.34 0.00	56.22 -0.23 0.00	56.39 -0.28 0.00	71.85 -1.32 0.00	76.43 -1.01 0.00	77.31 -0.94 0.00	70.02 -0.85 0.00	65.58 -0.66 0.00	58.59 -0.35 0.00	56.50 -0.06 0.00	56.62 0.06 0.00	58.40 -0.12 0.00	59.69 -0.12 0.00	71.01 -0.43 0.00	81.79 -0.25 0.00	78.08 -0.23 0.00	70.77 -0.43 0.00	62.62 -0.38 0.00	59.38 -0.24 0.00	56.78 0.28 0.00	57.05 0.23 0.00
MAPLEWOD_115KV_TB3 80458	152.61 2.71 -93.40	143.38 2.65 -84.40	138.91 2.70 -79.94	137.80 2.53 -78.93	140.84 2.54 -81.86	161.11 2.66 -101.78	182.10 3.51 -105.42	214.65 3.64 -133.57	168.97 3.91 -86.81	159.73 3.61 -85.25	139.62 3.38 -69.99	138.79 3.18 -76.66	136.65 3.11 -76.98	131.21 3.11 -71.54	136.15 3.22 -74.42	137.76 3.17 -74.78	132.88 3.79 -57.66	183.05 4.18 -96.83	175.91 3.99 -93.60	151.08 3.63 -76.25	148.85 3.21 -82.64	135.63 3.10 -72.91	125.21 3.05 -65.66	121.23 2.95 -61.45
MAPLE_RIDGE_WT_1 323574	55.82 -0.68 0.00	55.71 -0.62 0.00	55.71 -0.56 0.00	55.76 -0.56 0.00	55.88 -0.56 0.00	55.99 -0.68 0.00	71.99 -1.17 0.00	76.28 -1.16 0.00	77.15 -1.10 0.00	69.88 -0.99 0.00	65.31 -0.93 0.00	58.24 -0.70 0.00	55.99 -0.57 0.00	55.99 -0.57 0.00	57.87 -0.64 0.00	59.03 -0.78 0.00	70.51 -0.93 0.00	80.97 -1.07 0.00	77.29 -1.02 0.00	70.27 -0.93 0.00	62.18 -0.82 0.00	58.91 -0.71 0.00	56.05 -0.45 0.00	56.36 -0.46 0.00
MAPLE_RIDGE_WT_2 323611	55.82 -0.68 0.00	55.71 -0.62 0.00	55.71 -0.56 0.00	55.76 -0.56 0.00	55.88 -0.56 0.00	55.99 -0.68 0.00	71.99 -1.17 0.00	76.28 -1.16 0.00	77.15 -1.10 0.00	69.88 -0.99 0.00	65.31 -0.93 0.00	58.24 -0.70 0.00	55.99 -0.57 0.00	55.99 -0.57 0.00	57.87 -0.64 0.00	59.03 -0.78 0.00	70.51 -0.93 0.00	80.97 -1.07 0.00	77.29 -1.02 0.00	70.27 -0.93 0.00	62.18 -0.82 0.00	58.91 -0.71 0.00	56.05 -0.45 0.00	56.36 -0.46 0.00
MARBLE_RIVER_WT_PWR 323696	55.76 -0.74 0.00	55.76 -0.56 0.00	55.71 -0.56 0.00	55.82 -0.51 0.00	55.99 -0.45 0.00	56.22 -0.46 0.00	71.56 -1.61 0.00	75.97 -1.47 0.00	76.99 -1.25 0.00	69.73 -1.14 0.00	65.31 -0.93 0.00	58.35 -0.59 0.00	56.22 -0.34 0.00	56.28 -0.28 0.00	58.17 -0.35 0.00	59.39 -0.42 0.00	71.08 -0.36 0.00	81.87 -0.16 0.00	78.16 -0.16 0.00	70.84 -0.35 0.00	62.68 -0.31 0.00	59.33 -0.30 0.00	56.67 0.17 0.00	57.05 0.23 0.00
MARSHVLE_115KV_TB1 80742	168.89 3.11 -109.28	158.19 3.10 -98.76	152.90 3.09 -93.54	151.84 3.15 -92.36	155.67 3.44 -95.78	179.22 3.46 -119.09	202.15 5.63 -123.35	239.62 5.89 -156.30	185.61 5.79 -101.58	175.58 4.96 -99.75	152.72 4.57 -81.90	152.54 3.89 -89.70	150.26 3.62 -90.07	143.84 3.56 -83.71	149.40 3.80 -87.08	151.62 4.31 -87.51	144.04 5.14 -67.46	201.65 6.32 -113.29	194.17 6.34 -109.51	165.97 5.55 -89.22	164.54 4.85 -96.69	149.63 4.71 -85.30	137.27 3.95 -76.82	132.35 3.64 -71.90
MARSH_HILL_WT_PWR 323713	70.46 -1.52 -15.48	68.51 -1.80 -13.99	67.78 -1.74 -13.25	67.89 -1.52 -13.08	68.82 -1.19 -13.57	73.20 -0.34 -16.87	91.52 0.88 -17.47	100.27 0.62 -22.21	92.52 -0.16 -14.43	85.04 0.00 -14.17	78.08 0.20 -11.64	71.75 0.06 -12.74	68.90 -0.45 -12.80	68.00 -0.45 -11.89	70.89 0.00 -12.37	72.78 0.54 -12.43	81.85 0.86 -9.55	98.82 0.74 -16.04	94.68 0.86 -15.51	84.83 1.00 -12.63	77.45 0.76 -13.69	72.18 0.47 -12.08	66.92 -0.45 -10.88	67.12 0.11 -10.18
MCINTYRE_115KV_TB2 80467	55.65 -0.85 0.00	55.65 -0.68 0.00	55.54 -0.73 0.00	55.71 -0.62 0.00	55.82 -0.62 0.00	55.59 -1.08 0.00	70.24 -2.93 0.00	74.88 -2.56 0.00	75.82 -2.43 0.00	68.60 -2.27 0.00	64.19 -2.05 0.00	57.88 -1.06 0.00	56.22 -0.34 0.00	56.28 -0.28 0.00	57.81 -0.70 0.00	58.55 -1.26 0.00	69.01 -2.43 0.00	79.49 -2.54 0.00	75.96 -2.35 0.00	68.85 -2.35 0.00	60.79 -2.20 0.00	57.89 -1.73 0.00	55.93 -0.56 0.00	56.19 -0.63 0.00
MECO_____69_KV_BK1 80468	167.94 6.33 -105.11	157.57 6.25 -94.99	152.54 6.30 -89.97	151.36 6.20 -88.84	155.29 6.72 -92.13	177.73 6.52 -114.55	201.98 10.17 -118.65	238.23 10.45 -150.33	186.12 10.17 -97.70	175.60 8.79 -95.95	152.97 7.95 -78.78	152.12 6.90 -86.28	149.70 6.50 -86.64	143.58 6.50 -80.52	149.18 6.91 -83.76	151.75 7.78 -84.17	146.18 9.86 -64.89	202.74 11.73 -108.97	195.32 11.67 -105.34	167.40 10.39 -85.81	165.26 9.26 -93.00	150.31 8.65 -82.05	137.96 7.57 -73.89	132.85 6.88 -69.15
MENANDS__115KV_TB5 355628	152.20 2.49 -93.22	142.93 2.37 -84.24	138.53 2.48 -79.78	137.36 2.25 -78.78	140.40 2.26 -81.70	160.58 2.32 -101.58	181.38 3.00 -105.22	213.85 3.10 -133.32	168.33 3.44 -86.64	159.14 3.19 -85.08	139.15 3.05 -69.86	138.35 2.89 -76.51	136.22 2.83 -76.83	130.79 2.83 -71.40	135.78 2.98 -74.28	137.26 2.81 -74.64	132.34 3.36 -57.55	182.29 3.61 -96.65	175.18 3.45 -93.42	150.43 3.13 -76.11	148.31 2.83 -82.48	135.13 2.74 -72.76	124.80 2.77 -65.53	120.88 2.73 -61.33
MG INDUSTRY___DRP 24185	150.15 2.49 -91.16	141.14 2.42 -82.39	136.78 2.48 -78.03	135.69 2.31 -77.05	138.66 2.31 -79.90	158.34 2.32 -99.35	179.07 3.00 -102.90	210.84 3.02 -130.38	166.19 3.21 -84.73	157.06 2.98 -83.21	137.35 2.78 -68.32	136.43 2.65 -74.83	134.30 2.60 -75.14	128.99 2.60 -69.83	133.85 2.69 -72.64	135.44 2.63 -73.00	130.81 3.07 -56.30	180.03 3.45 -94.55	173.00 3.29 -91.40	148.64 2.99 -74.46	146.40 2.71 -80.69	133.43 2.62 -71.19	123.21 2.60 -64.11	119.44 2.61 -60.00
MID___OSWEGATCHIE_HYD 23849	57.37 -1.19 -2.06	57.00 -1.18 -1.86	56.85 -1.18 -1.76	57.00 -1.07 -1.74	57.29 -0.96 -1.80	57.67 -1.25 -2.24	73.37 -2.12 -2.32	78.19 -1.63 -2.38	78.07 -1.72 -1.55	70.69 -1.70 -1.52	65.83 -1.66 -1.25	59.25 -1.06 -1.36	57.20 -0.74 -1.37	57.16 -0.68 -1.27	58.91 -0.94 -1.33	60.00 -1.14 -1.33	70.46 -2.00 -1.03	81.71 -2.05 -1.72	78.18 -1.80 -1.67	70.63 -1.92 -1.36	62.64 -1.83 -1.47	59.31 -1.61 -1.30	56.71 -0.96 -1.17	57.15 -1.02 -1.35
MID___RAQUETTE_HYD 23851	54.41 -2.09 0.00	54.47 -1.86 0.00	54.42 -1.86 0.00	54.53 -1.80 0.00	54.64 -1.81 0.00	54.23 -2.44 0.00	68.34 -4.83 0.00	72.87 -4.57 0.00	73.71 -4.54 0.00	66.69 -4.18 0.00	62.40 -3.84 0.00	56.29 -2.65 0.00	54.69 -1.87 0.00	54.81 -1.75 0.00	56.24 -2.28 0.00	57.00 -2.81 0.00	67.22 -4.21 0.00	77.36 -4.68 0.00	73.93 -4.39 0.00	67.00 -4.20 0.00	59.22 -3.78 0.00	56.46 -3.16 0.00	54.80 -1.69 0.00	55.06 -1.76 0.00

MILLIKEN___1 23584	72.27 1.41 -14.36	70.37 1.07 -12.97	69.63 1.07 -12.29	69.53 1.07 -12.13	70.27 1.24 -12.58	73.85 1.53 -15.65	92.15 2.78 -16.21	100.87 2.79 -20.64	94.16 2.50 -13.41	86.10 2.06 -13.17	78.91 1.85 -10.82	72.32 1.53 -11.85	69.76 1.30 -11.89	68.80 1.19 -11.05	71.36 1.35 -11.50	72.92 1.56 -11.56	82.63 2.29 -8.91	99.70 2.71 -14.96	95.43 2.66 -14.46	85.40 2.42 -11.78	77.78 2.02 -12.76	72.61 1.73 -11.26	67.77 1.13 -10.14	67.63 1.36 -9.44
MILLIKEN___2 23585	72.27 1.41 -14.36	70.37 1.07 -12.97	69.63 1.07 -12.29	69.53 1.07 -12.13	70.27 1.24 -12.58	73.85 1.53 -15.65	92.15 2.78 -16.21	100.87 2.79 -20.64	94.16 2.50 -13.41	86.10 2.06 -13.17	78.91 1.85 -10.82	72.32 1.53 -11.85	69.76 1.30 -11.89	68.80 1.19 -11.05	71.36 1.35 -11.50	72.92 1.56 -11.56	82.63 2.29 -8.91	99.70 2.71 -14.96	95.43 2.66 -14.46	85.40 2.42 -11.78	77.78 2.02 -12.76	72.61 1.73 -11.26	67.77 1.13 -10.14	67.63 1.36 -9.44
MILLIKEN___DIESEL 23629	72.27 1.41 -14.36	70.37 1.07 -12.97	69.63 1.07 -12.29	69.53 1.07 -12.13	70.27 1.24 -12.58	73.85 1.53 -15.65	92.15 2.78 -16.21	100.87 2.79 -20.64	94.16 2.50 -13.41	86.10 2.06 -13.17	78.91 1.85 -10.82	72.32 1.53 -11.85	69.76 1.30 -11.89	68.80 1.19 -11.05	71.36 1.35 -11.50	72.92 1.56 -11.56	82.63 2.29 -8.91	99.70 2.71 -14.96	95.43 2.66 -14.46	85.40 2.42 -11.78	77.78 2.02 -12.76	72.61 1.73 -11.26	67.77 1.13 -10.14	67.63 1.36 -9.44
MILLSEAT___LFGE 323607	63.91 -3.22 -10.63	62.38 -3.55 -9.60	61.71 -3.66 -9.10	61.93 -3.38 -8.98	62.54 -3.22 -9.31	65.98 -2.27 -11.58	83.18 -1.97 -11.98	90.07 -2.63 -15.26	84.18 -3.99 -9.92	77.21 -3.40 -9.74	71.33 -2.91 -8.00	65.23 -2.47 -8.76	62.58 -2.77 -8.79	61.96 -2.77 -8.17	64.74 -2.28 -8.50	66.44 -1.92 -8.54	75.71 -2.29 -6.56	90.18 -2.87 -11.01	86.21 -2.74 -10.64	77.73 -2.13 -8.67	70.51 -1.89 -9.40	65.89 -2.03 -8.29	61.03 -2.94 -7.47	61.48 -2.33 -6.99
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	135.63 4.58 -74.56	128.04 4.34 -67.38	124.36 4.28 -63.81	123.73 4.39 -63.01	126.25 4.46 -65.35	142.68 4.76 -81.25	163.62 6.29 -84.16	191.14 6.89 -106.81	156.97 7.20 -71.53	147.78 6.52 -70.39	139.15 6.16 -66.75	133.62 5.30 -69.37	132.41 4.98 -70.87	129.94 4.98 -68.40	126.40 5.21 -62.67	128.13 5.44 -62.88	135.44 6.64 -57.36	177.18 7.55 -87.59	169.73 7.20 -84.22	148.83 6.62 -71.01	142.50 5.86 -73.64	125.86 5.43 -60.81	116.28 4.80 -54.98	111.62 4.77 -50.02
MILLWOOD_13_KV_LOAD 356217	135.80 4.75 -74.56	128.15 4.45 -67.38	124.47 4.39 -63.81	123.90 4.56 -63.01	126.36 4.57 -65.35	142.79 4.87 -81.25	163.84 6.51 -84.16	191.37 7.12 -106.81	157.21 7.43 -71.53	147.92 6.66 -70.39	139.35 6.36 -66.75	133.79 5.48 -69.37	132.58 5.15 -70.87	130.11 5.15 -68.40	126.57 5.38 -62.67	128.31 5.62 -62.88	135.66 6.86 -57.36	177.51 7.88 -87.59	170.05 7.52 -84.22	149.11 6.91 -71.01	142.75 6.11 -73.64	126.04 5.60 -60.81	116.39 4.92 -54.98	111.73 4.89 -50.02
MODEL_CITY_ENERGY 24167	62.78 -4.86 -11.14	61.22 -5.18 -10.07	60.63 -5.18 -9.54	60.85 -4.90 -9.42	61.41 -4.80 -9.77	64.85 -3.97 -12.14	81.35 -4.39 -12.57	87.87 -5.58 -16.00	81.68 -6.96 -10.40	75.13 -5.95 -10.21	69.39 -5.23 -8.38	63.59 -4.54 -9.18	61.14 -4.64 -9.22	60.44 -4.69 -8.57	63.28 -4.15 -8.91	65.00 -3.77 -8.96	73.67 -4.64 -6.88	87.76 -5.82 -11.55	83.99 -5.48 -11.16	75.73 -4.56 -9.09	68.89 -3.97 -9.86	64.32 -3.99 -8.70	59.58 -4.75 -7.83	60.23 -3.92 -7.33
MODERN_LFGE___ 323580	62.78 -4.86 -11.14	61.22 -5.18 -10.07	60.63 -5.18 -9.54	60.85 -4.90 -9.42	61.41 -4.80 -9.77	64.85 -3.97 -12.14	81.35 -4.39 -12.57	87.87 -5.58 -16.00	81.68 -6.96 -10.40	75.13 -5.95 -10.21	69.39 -5.23 -8.38	63.59 -4.54 -9.18	61.14 -4.64 -9.22	60.44 -4.69 -8.57	63.28 -4.15 -8.91	65.00 -3.77 -8.96	73.67 -4.64 -6.88	87.76 -5.82 -11.55	83.99 -5.48 -11.16	75.73 -4.56 -9.09	68.89 -3.97 -9.86	64.32 -3.99 -8.70	59.58 -4.75 -7.83	60.23 -3.92 -7.33
MOHAWK_PAPER___DRP 24187	152.61 2.71 -93.40	143.38 2.65 -84.40	138.91 2.70 -79.94	137.80 2.53 -78.93	140.84 2.54 -81.86	161.11 2.66 -101.78	182.10 3.51 -105.42	214.65 3.64 -133.57	168.97 3.91 -86.81	159.73 3.61 -85.25	139.62 3.38 -69.99	138.79 3.18 -76.66	136.65 3.11 -76.98	131.21 3.11 -71.54	136.15 3.22 -74.42	137.76 3.17 -74.78	132.88 3.79 -57.66	183.05 4.18 -96.83	175.91 3.99 -93.60	151.08 3.63 -76.25	148.85 3.21 -82.64	135.63 3.10 -72.91	125.21 3.05 -65.66	121.23 2.95 -61.45
MOHICAN___35_KV_115KV_LD 80490	156.58 4.46 -95.61	147.07 4.34 -86.40	142.50 4.39 -81.83	141.19 4.06 -80.81	144.53 4.29 -83.80	165.06 4.19 -104.19	187.45 6.37 -107.92	220.84 6.66 -136.74	174.00 6.89 -88.87	164.31 6.17 -87.27	143.53 5.63 -71.65	142.38 4.95 -78.48	140.00 4.64 -78.80	134.44 4.64 -73.24	139.56 4.86 -76.18	141.51 5.14 -76.56	136.61 6.14 -59.03	188.38 7.22 -99.13	181.33 7.20 -95.82	155.66 6.41 -78.06	153.26 5.67 -84.60	139.44 5.19 -74.63	128.40 4.69 -67.21	124.04 4.32 -62.91
MONGAUP___HYD 23641	128.55 3.16 -68.89	121.51 2.93 -62.25	118.04 2.81 -58.96	117.47 2.93 -58.22	119.86 3.05 -60.37	135.20 3.46 -75.07	155.61 4.69 -77.76	180.79 4.80 -98.55	147.66 5.08 -64.34	138.38 4.40 -63.11	125.77 4.04 -55.49	121.40 3.36 -59.10	119.37 3.00 -59.82	116.22 3.00 -56.67	117.00 3.22 -55.26	118.86 3.53 -55.52	122.43 4.58 -46.41	162.72 5.50 -75.18	155.98 5.17 -72.50	135.72 4.56 -59.97	130.53 4.04 -63.50	117.25 3.58 -54.05	108.14 2.94 -48.70	104.97 2.90 -45.25
MONTAUK___DIESEL 23721	151.58 8.53 -86.55	149.24 8.17 -84.74	147.87 8.05 -83.55	145.74 8.11 -81.30	147.99 8.35 -83.20	151.03 9.12 -85.24	168.02 11.19 -83.66	193.17 12.47 -103.26	162.63 12.05 -72.34	154.08 11.55 -71.66	154.63 10.93 -77.46	154.02 9.49 -85.58	153.13 8.99 -87.58	152.91 8.88 -87.47	153.28 9.42 -85.34	154.08 9.81 -84.46	158.68 12.14 -75.10	211.91 14.85 -115.02	186.84 14.17 -94.35	162.93 13.10 -78.63	159.69 11.65 -85.04	156.50 10.61 -86.26	150.73 9.27 -84.97	149.22 9.49 -82.91
MOONROAD_115KV_HARTFLD_TB1-2 355988	65.62 -3.84 -12.96	63.25 -4.79 -11.71	62.92 -4.45 -11.09	63.85 -3.44 -10.95	64.42 -3.39 -11.36	68.70 -2.10 -14.12	86.69 -1.10 -14.62	94.88 -1.16 -18.60	87.83 -2.50 -12.09	80.75 -1.98 -11.87	74.66 -1.32 -9.75	68.62 -1.00 -10.68	66.04 -1.24 -10.72	65.17 -1.36 -9.96	68.18 -0.70 -10.36	69.51 -0.72 -10.41	79.18 -0.29 -8.03	94.78 -0.74 -13.48	91.03 -0.31 -13.03	81.81 0.00 -10.61	74.50 0.00 -11.50	69.29 -0.48 -10.15	64.23 -1.41 -9.14	65.12 -0.23 -8.52
MORTIMER_115KV_TB3 55949	63.95 -1.64 -9.09	62.46 -2.08 -8.21	62.03 -2.03 -7.78	62.15 -1.86 -7.68	62.66 -1.75 -7.97	65.56 -1.02 -9.91	82.91 -0.51 -10.26	89.58 -0.93 -13.07	84.94 -1.80 -8.49	77.72 -1.49 -8.34	71.90 -1.19 -6.85	65.32 -1.12 -7.50	62.68 -1.41 -7.53	62.09 -1.47 -7.00	64.68 -1.11 -7.28	66.05 -1.08 -7.32	76.07 -1.00 -5.64	90.19 -1.31 -9.47	86.21 -1.25 -9.15	77.73 -0.93 -7.46	70.20 -0.88 -8.08	65.62 -1.13 -7.13	61.39 -1.53 -6.42	61.83 -0.97 -5.98
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	136.89 5.20 -75.19	129.21 4.96 -67.92	125.43 4.84 -64.32	124.85 5.01 -63.51	127.40 5.08 -65.87	144.09 5.44 -81.98	165.18 7.10 -84.91	197.18 7.67 -112.07	215.20 7.98 -128.97	208.67 7.30 -130.50	205.45 6.89 -132.31	212.03 5.95 -147.13	215.47 5.60 -153.31	208.71 5.60 -146.55	210.76 5.91 -146.33	210.35 6.10 -144.44	218.13 7.43 -139.26	228.75 8.53 -138.18	217.30 8.07 -130.92	199.37 7.48 -120.69	202.08 6.55 -132.53	194.30 6.08 -128.60	183.57 5.42 -121.65	149.86 5.40 -87.64

MUNSVILLE_WIND_PWR 323609	85.95 5.77 -23.69	82.97 5.24 -21.40	81.50 4.95 -20.27	81.81 5.46 -20.02	83.02 5.82 -20.76	88.83 6.35 -25.81	110.07 10.17 -26.73	122.31 10.92 -33.95	110.95 10.64 -22.06	101.88 9.35 -21.66	92.58 8.55 -17.79	86.14 7.72 -19.48	83.25 7.13 -19.56	81.81 7.07 -18.18	84.86 7.43 -18.91	86.88 8.07 -19.00	96.13 10.07 -14.62	118.65 12.06 -24.55	113.78 11.74 -23.73	100.78 10.25 -19.33	92.51 8.57 -20.95	85.68 7.57 -18.48	79.36 6.22 -16.64	79.04 6.64 -15.58
N SALMON___HYD 24042	55.93 -0.56 0.00	55.88 -0.45 0.00	55.88 -0.39 0.00	55.99 -0.34 0.00	56.22 -0.22 0.00	56.39 -0.28 0.00	71.85 -1.31 0.00	76.43 -1.01 0.00	77.39 -0.86 0.00	70.02 -0.85 0.00	65.58 -0.66 0.00	58.59 -0.35 0.00	56.50 -0.06 0.00	56.56 0.00 0.00	58.40 -0.12 0.00	59.39 -0.42 0.00	71.01 -0.43 0.00	81.79 -0.25 0.00	78.08 -0.23 0.00	70.77 -0.42 0.00	62.62 -0.38 0.00	59.27 -0.36 0.00	56.78 0.28 0.00	57.16 0.34 0.00
N.AKRON__115KV_KNAPP 355671	63.92 -3.28 -10.70	62.11 -3.89 -9.67	61.77 -3.66 -9.16	61.93 -3.44 -9.04	62.55 -3.27 -9.38	66.01 -2.32 -11.66	83.18 -2.05 -12.06	90.10 -2.71 -15.37	84.24 -3.99 -9.99	77.20 -3.47 -9.81	71.38 -2.91 -8.05	65.23 -2.53 -8.82	62.59 -2.83 -8.86	61.96 -2.83 -8.23	64.74 -2.34 -8.56	66.08 -2.33 -8.60	75.71 -2.36 -6.63	90.22 -2.95 -11.13	86.26 -2.82 -10.76	77.76 -2.21 -8.77	70.55 -1.95 -9.50	65.74 -2.27 -8.38	61.22 -2.82 -7.55	62.04 -1.82 -7.04
N.BELMOR_69_KV_BK1 55787	149.21 6.16 -86.55	146.87 5.80 -84.74	145.56 5.74 -83.55	143.49 5.86 -81.30	145.62 5.98 -83.20	148.26 6.35 -85.24	165.67 7.90 -84.61	192.94 8.52 -106.98	159.78 8.84 -72.69	150.96 8.43 -71.66	151.58 7.88 -77.46	151.36 6.84 -85.58	150.59 6.45 -87.58	150.47 6.45 -87.47	150.64 6.79 -85.34	151.33 7.06 -84.46	155.11 8.57 -75.10	206.99 9.93 -115.02	182.06 9.40 -94.35	158.44 8.61 -78.62	155.61 7.62 -84.99	153.04 7.15 -86.26	147.79 6.33 -84.97	146.09 6.36 -82.91
N.E_GEN_SANDY PD 24062	145.37 3.33 -85.54	136.84 3.21 -77.30	132.69 3.21 -73.21	132.00 3.38 -72.29	134.80 3.39 -74.97	153.40 3.51 -93.21	174.33 4.61 -96.55	204.50 4.72 -122.34	162.91 5.16 -79.51	153.71 4.75 -78.09	134.80 4.44 -64.12	133.00 3.83 -70.23	130.70 3.62 -70.52	125.72 3.62 -65.54	130.55 3.86 -68.17	132.39 4.07 -68.51	129.03 4.79 -52.81	176.22 5.50 -88.68	169.20 5.17 -85.72	145.80 4.77 -69.83	142.90 4.22 -75.68	130.38 4.00 -66.77	120.30 3.67 -60.13	116.68 3.58 -56.28
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	133.44 4.41 -72.54	125.99 4.11 -65.55	122.41 4.05 -62.08	121.80 4.17 -61.30	124.31 4.29 -63.58	140.31 4.59 -79.05	161.12 6.07 -81.88	187.90 6.58 -103.88	154.20 6.89 -69.07	145.04 6.24 -67.93	134.49 5.90 -62.36	129.56 5.07 -65.55	128.03 4.75 -66.72	125.12 4.69 -63.87	123.69 4.97 -60.20	125.44 5.20 -60.42	130.89 6.36 -53.09	171.99 7.22 -82.74	164.84 6.34 -79.64	144.18 5.61 -66.65	138.40 5.13 -69.79	123.26 4.52 -58.51	113.87 4.52 -52.86	109.72 4.49 -48.41
N.QUEENS_27_KV_LOAD 356247	137.26 5.59 -75.17	129.48 5.24 -67.91	125.71 5.12 -64.31	125.13 5.29 -63.51	127.73 5.42 -65.87	144.41 5.78 -81.96	165.66 7.61 -84.89	196.43 8.21 -110.78	199.17 8.53 -112.39	191.80 7.80 -113.14	187.79 7.42 -114.12	190.47 6.42 -125.10	192.64 6.05 -130.03	187.31 6.05 -124.69	186.93 6.32 -122.09	187.20 6.58 -120.82	195.72 8.00 -116.28	215.47 9.02 -124.41	205.29 8.77 -118.21	186.38 8.05 -107.14	186.22 7.18 -116.04	175.22 6.62 -108.98	175.22 5.82 -112.90	145.32 5.80 -82.70
N.TROY___115KV_TB1 355778	153.36 2.88 -93.98	144.07 2.82 -84.93	139.52 2.81 -80.44	138.63 2.87 -79.43	141.69 2.88 -82.37	162.03 2.95 -102.41	183.27 4.02 -106.08	215.95 4.10 -134.41	170.06 4.46 -87.35	160.69 4.04 -85.78	140.38 3.71 -70.43	139.39 3.30 -77.14	137.19 3.17 -77.46	131.72 3.17 -71.99	136.74 3.34 -74.88	138.47 3.41 -75.25	133.53 4.07 -58.02	184.15 4.68 -97.44	177.04 4.54 -94.18	152.05 4.13 -76.73	149.81 3.65 -83.15	136.44 3.46 -73.36	125.84 3.28 -66.07	121.78 3.13 -61.83
NARROWS_GT1_1 24228	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT1_2 24229	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT1_3 24230	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT1_4 24231	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT1_5 24232	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT1_6 24233	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT1_7 24234	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71

NARROWS_GT1_8 24235	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_1 24236	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_2 24237	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_3 24238	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_4 24239	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_5 24240	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_6 24241	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_7 24242	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NARROWS_GT2_8 24243	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	147.27 3.05 -87.72	138.53 2.93 -79.27	134.28 2.93 -75.08	133.11 2.65 -74.14	136.04 2.71 -76.88	155.16 2.89 -95.59	175.91 3.73 -99.02	206.46 3.56 -125.46	163.69 3.91 -81.54	154.27 3.33 -80.07	134.97 2.98 -65.74	133.78 2.83 -72.01	131.58 2.71 -72.30	126.53 2.77 -67.20	131.34 2.93 -69.90	132.86 2.81 -70.24	129.24 3.57 -54.23	177.21 4.10 -91.07	170.34 3.99 -88.03	146.26 3.35 -71.71	143.68 2.96 -77.72	130.99 2.80 -68.57	120.96 2.71 -61.75	117.34 2.73 -57.79
NCHELSEA_115KV_TR2 355582	136.57 4.97 -75.10	128.87 4.68 -67.87	125.11 4.56 -64.28	124.58 4.79 -63.47	127.12 4.85 -65.82	143.78 5.27 -81.84	165.03 7.10 -84.77	192.28 7.43 -107.41	155.87 7.82 -69.80	146.50 7.09 -68.55	129.15 6.62 -56.28	126.25 5.66 -61.64	123.66 5.20 -61.90	119.29 5.20 -57.53	123.86 5.50 -59.84	125.69 5.74 -60.13	125.39 7.22 -46.73	169.05 8.53 -78.48	162.24 8.07 -75.86	140.19 7.19 -61.80	136.40 6.43 -66.98	124.50 5.78 -59.09	114.69 4.97 -53.22	111.57 4.94 -49.81
NEG CAPITAL___MECHNVIL 23645	155.45 3.90 -95.06	146.01 3.77 -85.90	141.46 3.83 -81.36	140.44 3.77 -80.34	143.65 3.89 -83.31	164.12 3.86 -103.59	186.02 5.56 -107.30	219.12 5.73 -135.95	172.62 6.03 -88.35	163.10 5.46 -86.78	142.46 4.97 -71.25	141.41 4.42 -78.04	139.11 4.19 -78.36	133.57 4.19 -72.83	138.66 4.39 -75.75	140.54 4.61 -76.13	135.62 5.50 -58.68	186.99 6.40 -98.55	179.84 6.27 -95.26	154.42 5.62 -77.60	152.07 4.98 -84.10	138.47 4.65 -74.20	127.56 4.24 -66.82	123.34 3.98 -62.54
NEG CENTRAL_HIGH_ACRES 23767	63.15 -2.15 -8.80	61.86 -2.42 -7.95	61.27 -2.53 -7.53	61.28 -2.48 -7.43	61.84 -2.32 -7.71	64.56 -1.70 -9.58	81.70 -1.39 -9.93	88.31 -1.78 -12.65	84.04 -2.43 -8.22	76.82 -2.12 -8.07	71.02 -1.85 -6.63	64.49 -1.71 -7.26	61.87 -1.98 -7.29	61.41 -1.92 -6.77	63.81 -1.75 -7.05	65.40 -1.49 -7.08	75.08 -1.78 -5.43	89.02 -2.13 -9.12	85.01 -2.11 -8.81	76.60 -1.78 -7.18	69.14 -1.64 -7.78	64.82 -1.67 -6.86	60.42 -2.26 -6.18	60.56 -2.04 -5.78
NEG CENTRAL___DRP 24199	65.87 -0.40 -9.77	64.43 -0.73 -8.83	63.90 -0.73 -8.36	63.85 -0.73 -8.26	64.50 -0.51 -8.56	67.26 -0.06 -10.65	84.93 0.73 -11.03	92.12 0.62 -14.06	87.54 0.16 -9.14	79.91 0.07 -8.97	73.68 0.07 -7.37	66.90 -0.12 -8.07	64.27 -0.40 -8.10	63.70 -0.40 -7.53	66.12 -0.23 -7.83	67.56 -0.12 -7.87	77.72 0.21 -6.07	92.56 0.33 -10.19	88.48 0.31 -9.85	79.58 0.36 -8.02	71.88 0.19 -8.70	67.23 -0.06 -7.67	62.90 -0.51 -6.91	63.02 -0.23 -6.43
NEG CENTRAL___INDECK 23768	69.80 0.34 -12.96	67.99 -0.06 -11.71	67.20 -0.17 -11.09	67.23 -0.06 -10.96	67.97 0.17 -11.36	71.93 1.13 -14.13	90.65 2.85 -14.63	98.91 2.87 -18.61	92.29 1.96 -12.09	84.51 1.77 -11.87	77.51 1.52 -9.75	70.92 1.30 -10.68	66.04 -1.24 -10.72	65.28 -1.24 -9.96	67.94 -0.94 -10.36	69.87 -0.36 -10.41	79.36 -0.07 -8.00	95.06 -0.41 -13.43	90.91 -0.39 -12.98	81.56 -0.21 -10.58	74.46 0.00 -11.46	69.44 -0.30 -10.11	66.34 0.73 -9.11	66.37 1.02 -8.53



NEG CENTRAL___SENECA 23627	66.86 -0.51 -10.87	65.19 -0.96 -9.82	64.67 -0.90 -9.30	64.61 -0.90 -9.19	65.29 -0.68 -9.53	68.46 -0.06 -11.84	86.38 0.95 -12.27	93.84 0.77 -15.62	88.63 0.23 -10.15	80.98 0.14 -9.97	74.63 0.20 -8.19	67.91 0.00 -8.97	65.22 -0.34 -9.00	64.53 -0.40 -8.37	67.10 -0.12 -8.70	68.56 0.00 -8.75	78.61 0.43 -6.74	93.93 0.57 -11.32	89.80 0.55 -10.94	80.75 0.64 -8.91	73.10 0.44 -9.66	68.26 0.12 -8.52	63.67 -0.51 -7.68	63.80 -0.17 -7.15
NEG CENTRAL___STATE_STREET 24147	66.08 0.17 -9.41	64.66 -0.17 -8.51	64.16 -0.17 -8.06	64.11 -0.17 -7.95	64.69 0.00 -8.25	67.27 0.34 -10.26	84.89 1.10 -10.62	92.01 1.01 -13.56	87.76 0.70 -8.81	80.16 0.64 -8.65	73.88 0.53 -7.10	67.02 0.29 -7.78	64.43 0.06 -7.81	63.88 0.06 -7.26	66.19 0.12 -7.55	67.64 0.24 -7.59	77.86 0.57 -5.85	92.60 0.74 -9.83	88.51 0.70 -9.50	79.65 0.71 -7.74	71.95 0.57 -8.38	67.38 0.36 -7.40	63.11 -0.06 -6.66	63.12 0.11 -6.19
NEG MILLWOOD___DRP 24198	137.62 5.31 -75.81	129.79 4.96 -68.51	126.05 4.90 -64.88	125.52 5.13 -64.07	127.96 5.08 -66.44	144.72 5.44 -82.61	166.20 7.46 -85.57	193.84 7.98 -108.42	157.00 8.29 -70.46	147.43 7.37 -69.20	130.14 7.09 -56.81	127.18 6.01 -62.23	124.70 5.66 -62.48	120.29 5.66 -58.07	124.83 5.91 -60.41	126.67 6.16 -60.70	125.99 7.57 -46.98	169.96 9.02 -78.89	163.11 8.54 -76.26	141.01 7.69 -62.13	137.26 6.93 -67.33	125.22 6.20 -59.40	115.25 5.25 -53.49	112.17 5.28 -50.07
NEG NORTH_FLCN_SEA 23793	56.39 -0.11 0.00	56.38 0.06 0.00	56.27 0.00 0.00	56.38 0.06 0.00	56.67 0.23 0.00	56.95 0.28 0.00	72.14 -1.02 0.00	76.67 -0.77 0.00	77.54 -0.70 0.00	70.30 -0.57 0.00	65.84 -0.40 0.00	58.83 -0.12 0.00	56.62 0.06 0.00	56.73 0.17 0.00	58.69 0.18 0.00	60.11 0.30 0.00	71.72 0.29 0.00	82.69 0.66 0.00	78.94 0.63 0.00	71.55 0.36 0.00	63.31 0.31 0.00	59.98 0.36 0.00	57.12 0.62 0.00	57.44 0.63 0.00
NEG NORTH_KES_CHATEGAY 23792	55.77 -0.73 0.00	55.82 -0.51 0.00	55.71 -0.56 0.00	55.82 -0.51 0.00	55.99 -0.45 0.00	56.22 -0.45 0.00	71.63 -1.54 0.00	76.05 -1.39 0.00	76.99 -1.25 0.00	69.73 -1.13 0.00	65.32 -0.93 0.00	58.35 -0.59 0.00	56.16 -0.40 0.00	56.28 -0.28 0.00	58.17 -0.35 0.00	59.57 -0.24 0.00	71.08 -0.36 0.00	81.96 -0.08 0.00	78.23 -0.08 0.00	70.98 -0.21 0.00	62.75 -0.25 0.00	59.50 -0.12 0.00	56.67 0.17 0.00	56.99 0.17 0.00
NEG NORTH___ALICE_FALLS 23915	56.50 0.00 0.00	56.50 0.17 0.00	56.39 0.11 0.00	56.55 0.23 0.00	56.78 0.34 0.00	57.12 0.45 0.00	72.65 -0.51 0.00	77.21 -0.23 0.00	78.09 -0.16 0.00	70.73 -0.14 0.00	66.31 0.07 0.00	59.24 0.29 0.00	57.01 0.45 0.00	57.13 0.57 0.00	59.04 0.53 0.00	60.53 0.72 0.00	72.29 0.86 0.00	83.35 1.31 0.00	79.57 1.25 0.00	72.12 0.93 0.00	63.75 0.76 0.00	60.40 0.78 0.00	57.46 0.96 0.00	57.79 0.97 0.00
NEG NORTH___LWR_SARANAC 23913	56.50 0.00 0.00	56.50 0.17 0.00	56.39 0.11 0.00	56.55 0.23 0.00	56.78 0.34 0.00	57.12 0.45 0.00	72.65 -0.51 0.00	77.21 -0.23 0.00	78.09 -0.16 0.00	70.73 -0.14 0.00	66.31 0.07 0.00	59.24 0.29 0.00	57.01 0.45 0.00	57.13 0.57 0.00	59.04 0.53 0.00	60.53 0.72 0.00	72.29 0.86 0.00	83.35 1.31 0.00	79.57 1.25 0.00	72.12 0.93 0.00	63.75 0.76 0.00	60.40 0.78 0.00	57.46 0.96 0.00	57.79 0.97 0.00
NEG NORTH___PLATTSBURG 23628	56.50 0.00 0.00	56.44 0.11 0.00	56.39 0.11 0.00	56.55 0.23 0.00	56.78 0.34 0.00	57.12 0.45 0.00	72.66 -0.51 0.00	77.21 -0.23 0.00	78.17 -0.08 0.00	70.73 -0.14 0.00	66.31 0.07 0.00	59.24 0.30 0.00	57.01 0.45 0.00	57.07 0.51 0.00	59.04 0.53 0.00	60.35 0.54 0.00	72.30 0.86 0.00	83.35 1.31 0.00	79.56 1.25 0.00	72.12 0.92 0.00	63.76 0.76 0.00	60.28 0.66 0.00	57.52 1.02 0.00	57.90 1.08 0.00
NEG WEST_LEA_LOCKPORT 23791	62.79 -4.75 -11.04	60.95 -5.35 -9.97	60.60 -5.12 -9.45	60.81 -4.84 -9.33	61.43 -4.68 -9.67	64.84 -3.85 -12.03	81.37 -4.24 -12.44	87.94 -5.34 -15.85	81.89 -6.65 -10.30	75.24 -5.74 -10.11	69.58 -4.97 -8.30	63.74 -4.30 -9.10	61.28 -4.41 -9.13	60.58 -4.47 -8.49	63.43 -3.92 -8.83	64.62 -4.07 -8.87	73.85 -4.43 -6.84	87.94 -5.58 -11.48	84.17 -5.25 -11.10	75.90 -4.34 -9.04	69.02 -3.78 -9.80	64.33 -3.94 -8.65	59.88 -4.41 -7.79	60.84 -3.24 -7.26
NEG WEST___LANCASTER 23811	63.95 -5.31 -12.77	62.01 -5.86 -11.54	61.51 -5.68 -10.93	61.77 -5.35 -10.79	62.44 -5.19 -11.19	66.22 -4.36 -13.91	82.88 -4.68 -14.40	90.42 -5.34 -18.32	83.58 -6.57 -11.91	76.82 -5.74 -11.69	70.94 -4.90 -9.60	65.16 -4.30 -10.52	62.71 -4.41 -10.56	61.79 -4.58 -9.81	64.63 -4.10 -10.21	65.94 -4.13 -10.26	74.84 -4.50 -7.91	89.65 -5.66 -13.28	85.98 -5.17 -12.83	77.31 -4.34 -10.45	70.42 -3.91 -11.33	65.50 -4.11 -10.00	60.81 -4.69 -9.00	61.69 -3.52 -8.40
NEG_PENN_ALLEGHNY 23528	81.42 0.40 -24.53	78.66 0.17 -22.17	77.38 0.11 -20.99	77.23 0.17 -20.73	78.22 0.28 -21.50	84.02 0.62 -26.73	102.31 1.46 -27.69	113.89 1.32 -35.14	102.10 1.01 -22.84	94.21 0.92 -22.42	85.58 0.93 -18.41	79.87 0.76 -20.16	77.31 0.51 -20.25	75.88 0.51 -18.82	78.79 0.70 -19.57	80.43 0.95 -19.67	87.78 1.21 -15.14	108.76 1.31 -25.42	104.13 1.25 -24.57	92.50 1.28 -20.02	85.69 1.00 -21.69	79.59 0.83 -19.14	73.96 0.23 -17.23	73.40 0.45 -16.13
NEG___GEN_MONROE 24207	64.43 -1.24 -9.18	62.93 -1.69 -8.29	62.44 -1.69 -7.85	62.51 -1.58 -7.75	63.02 -1.47 -8.04	66.05 -0.62 -10.00	83.23 -0.29 -10.36	89.85 -0.77 -13.19	85.17 -1.64 -8.57	77.80 -1.49 -8.42	71.89 -1.26 -6.91	65.22 -1.30 -7.57	62.52 -1.64 -7.60	61.93 -1.70 -7.06	64.58 -1.29 -7.35	65.88 -1.32 -7.38	75.84 -1.29 -5.69	89.95 -1.64 -9.56	86.06 -1.49 -9.24	77.65 -1.07 -7.53	70.15 -1.01 -8.16	65.51 -1.31 -7.20	61.17 -1.81 -6.48	61.95 -0.91 -6.03
NEPA___ENERGY 23901	65.74 -3.79 -13.02	63.76 -4.34 -11.77	63.25 -4.16 -11.15	63.50 -3.83 -11.01	64.13 -3.73 -11.41	68.03 -2.83 -14.19	85.15 -2.71 -14.69	92.80 -3.33 -18.69	85.69 -4.69 -12.15	78.76 -4.04 -11.93	72.72 -3.31 -9.79	66.78 -2.89 -10.73	64.22 -3.11 -10.77	63.35 -3.22 -10.01	66.24 -2.69 -10.41	67.64 -2.63 -10.46	76.79 -2.71 -8.06	91.89 -3.69 -13.54	88.11 -3.29 -13.09	79.30 -2.56 -10.66	72.22 -2.33 -11.56	67.25 -2.56 -10.20	62.40 -3.28 -9.18	63.28 -2.10 -8.56
NEVERSINK___HYD 23608	128.96 4.97 -67.49	121.99 4.67 -60.99	118.54 4.50 -57.77	118.15 4.79 -57.04	120.50 4.91 -59.15	135.66 5.44 -73.55	156.66 7.32 -76.18	181.64 7.67 -96.53	148.96 7.98 -62.73	139.90 7.15 -61.88	123.67 6.62 -50.81	120.19 5.60 -55.65	115.77 3.34 -55.88	111.83 3.34 -51.93	116.05 3.51 -54.02	117.98 3.89 -54.28	118.28 5.00 -41.84	158.37 6.07 -70.27	151.95 5.71 -67.92	131.51 4.98 -55.33	129.32 6.36 -59.97	118.25 5.72 -52.90	109.00 4.86 -47.64	106.24 4.83 -44.59
NEWKRMKL_115KV_TB1 55635	152.05 2.32 -93.24	142.78 2.20 -84.26	138.32 2.25 -79.80	137.10 1.97 -78.80	140.08 1.92 -81.72	160.31 2.04 -101.60	181.04 2.63 -105.24	213.49 2.71 -133.34	167.96 3.05 -86.66	158.73 2.76 -85.10	138.83 2.72 -69.87	138.24 2.77 -76.53	136.12 2.71 -76.85	130.69 2.71 -71.42	135.62 2.81 -74.29	136.98 2.51 -74.66	132.00 3.00 -57.56	181.90 3.20 -96.67	174.81 3.05 -93.44	150.09 2.78 -76.12	147.95 2.46 -82.50	134.85 2.44 -72.78	124.59 2.54 -65.55	120.61 2.44 -61.35

NEWTON___FALLS_HYD 23847	57.37 -1.19 -2.06	57.00 -1.18 -1.86	56.85 -1.18 -1.76	57.00 -1.07 -1.74	57.29 -0.96 -1.80	57.67 -1.25 -2.24	73.37 -2.12 -2.32	78.19 -1.63 -2.38	78.07 -1.72 -1.55	70.69 -1.70 -1.52	65.83 -1.66 -1.25	59.25 -1.06 -1.36	57.20 -0.74 -1.37	57.16 -0.68 -1.27	58.91 -0.94 -1.33	60.00 -1.14 -1.33	70.46 -2.00 -1.03	81.71 -2.05 -1.72	78.18 -1.80 -1.67	70.63 -1.92 -1.36	62.64 -1.83 -1.47	59.31 -1.61 -1.30	56.71 -0.96 -1.17	57.15 -1.02 -1.35
NGRID_A1_DSASP 323792	62.57 -5.14 -11.21	61.05 -5.41 -10.13	60.30 -5.57 -9.60	60.51 -5.30 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.81 -7.90 -10.46	74.34 -6.80 -10.27	68.65 -6.03 -8.43	62.99 -5.19 -9.24	60.58 -5.26 -9.28	59.86 -5.32 -8.62	62.75 -4.74 -8.97	64.40 -4.43 -9.01	72.86 -5.50 -6.92	86.85 -6.81 -11.62	83.12 -6.42 -11.23	74.93 -5.41 -9.15	68.19 -4.73 -9.92	63.72 -4.65 -8.75	59.06 -5.31 -7.88	59.70 -4.49 -7.37
NGRID_A2_DSASP 323793	62.57 -5.14 -11.21	61.05 -5.41 -10.13	60.30 -5.57 -9.60	60.51 -5.30 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.81 -7.90 -10.46	74.34 -6.80 -10.27	68.65 -6.03 -8.43	62.99 -5.19 -9.24	60.58 -5.26 -9.28	59.86 -5.32 -8.62	62.75 -4.74 -8.97	64.40 -4.43 -9.01	72.86 -5.50 -6.92	86.85 -6.81 -11.62	83.12 -6.42 -11.23	74.93 -5.41 -9.15	68.19 -4.73 -9.92	63.72 -4.65 -8.75	59.06 -5.31 -7.88	59.70 -4.49 -7.37
NGRID_A4_DSASP 323807	62.57 -5.14 -11.21	61.05 -5.41 -10.13	60.30 -5.57 -9.60	60.51 -5.30 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.81 -7.90 -10.46	74.34 -6.80 -10.27	68.65 -6.03 -8.43	62.99 -5.19 -9.24	60.58 -5.26 -9.28	59.86 -5.32 -8.62	62.75 -4.74 -8.97	64.40 -4.43 -9.01	72.86 -5.50 -6.92	86.85 -6.81 -11.62	83.12 -6.42 -11.23	74.93 -5.41 -9.15	68.19 -4.73 -9.92	63.72 -4.65 -8.75	59.06 -5.31 -7.88	59.70 -4.49 -7.37
NIAGARA_115E_LBMP 323715	62.71 -5.03 -11.24	61.13 -5.35 -10.16	60.55 -5.35 -9.62	60.76 -5.07 -9.50	61.33 -4.97 -9.85	64.73 -4.19 -12.25	81.16 -4.68 -12.68	87.69 -5.89 -16.14	81.38 -7.36 -10.49	74.86 -6.31 -10.30	69.20 -5.50 -8.46	63.43 -4.77 -9.26	61.00 -4.86 -9.30	60.28 -4.92 -8.64	63.12 -4.39 -8.99	64.78 -4.07 -9.03	73.37 -5.00 -6.94	87.53 -6.15 -11.65	83.78 -5.79 -11.26	75.53 -4.84 -9.17	68.65 -4.29 -9.94	64.16 -4.23 -8.77	59.43 -4.97 -7.90	60.07 -4.15 -7.39
NIAGARA_115W_LBMP 323714	62.44 -5.25 -11.19	60.93 -5.52 -10.12	60.17 -5.68 -9.58	60.33 -5.46 -9.46	60.95 -5.31 -9.81	64.45 -4.42 -12.20	80.39 -5.27 -12.50	86.85 -6.66 -16.07	80.63 -8.06 -10.45	74.11 -7.02 -10.26	68.51 -6.16 -8.42	62.80 -5.36 -9.22	60.39 -5.43 -9.26	59.68 -5.49 -8.61	62.56 -4.92 -8.95	64.20 -4.60 -9.00	72.63 -5.72 -6.91	86.67 -6.97 -11.60	82.95 -6.58 -11.21	74.78 -5.55 -9.14	68.05 -4.85 -9.90	63.53 -4.83 -8.73	58.89 -5.48 -7.87	59.52 -4.66 -7.36
NIAGARA_230_LBMP 323716	63.02 -4.52 -11.05	61.47 -4.84 -9.98	60.83 -4.90 -9.46	60.99 -4.67 -9.34	61.61 -4.52 -9.68	65.03 -3.68 -12.04	81.55 -4.10 -12.48	87.96 -5.34 -15.86	81.82 -6.73 -10.31	75.18 -5.81 -10.12	69.45 -5.10 -8.31	63.63 -4.42 -9.10	61.17 -4.53 -9.14	60.48 -4.58 -8.49	63.37 -3.98 -8.84	65.04 -3.65 -8.88	73.68 -4.57 -6.82	87.83 -5.66 -11.45	84.05 -5.33 -11.07	75.80 -4.41 -9.02	68.86 -3.91 -9.77	64.37 -3.87 -8.62	59.69 -4.57 -7.76	60.28 -3.81 -7.27
NIAGARA___115KV_198_GIBSON 55903	62.44 -5.25 -11.19	60.64 -5.80 -10.12	60.17 -5.68 -9.58	60.33 -5.46 -9.46	60.95 -5.31 -9.81	64.45 -4.42 -12.20	80.39 -5.27 -12.50	86.85 -6.66 -16.07	80.63 -8.06 -10.45	74.04 -7.09 -10.26	68.50 -6.16 -8.42	62.81 -5.36 -9.23	60.39 -5.43 -9.26	59.68 -5.49 -8.61	62.56 -4.92 -8.96	63.73 -5.08 -9.00	72.66 -5.71 -6.94	86.71 -6.97 -11.65	82.99 -6.58 -11.26	74.82 -5.55 -9.17	68.02 -4.91 -9.94	63.38 -5.01 -8.77	59.09 -5.31 -7.90	60.09 -4.09 -7.36
NIAGARA____ 23760	63.19 -4.52 -11.21	61.62 -4.84 -10.13	60.97 -4.90 -9.60	61.13 -4.67 -9.48	61.75 -4.52 -9.83	65.21 -3.68 -12.22	81.63 -4.10 -12.56	88.10 -5.34 -16.00	81.91 -6.73 -10.40	75.27 -5.81 -10.21	69.52 -5.10 -8.38	63.70 -4.42 -9.18	61.25 -4.53 -9.22	60.55 -4.58 -8.57	63.45 -3.98 -8.91	65.11 -3.65 -8.95	73.73 -4.57 -6.87	87.91 -5.66 -11.54	84.14 -5.33 -11.16	75.87 -4.41 -9.09	68.94 -3.91 -9.85	64.44 -3.87 -8.69	59.77 -4.57 -7.84	60.38 -3.81 -7.37
NINE_MILE_1 23575	59.34 -1.81 -4.65	58.62 -1.92 -4.21	58.29 -1.97 -3.98	58.35 -1.92 -3.93	58.66 -1.86 -4.08	59.99 -1.76 -5.07	76.45 -1.97 -5.25	81.98 -2.17 -6.70	80.17 -2.43 -4.36	73.02 -2.12 -4.28	67.70 -2.05 -3.51	60.85 -1.94 -3.85	58.44 -1.98 -3.86	58.17 -1.98 -3.59	60.26 -1.99 -3.73	61.65 -1.92 -3.75	72.02 -2.29 -2.87	84.23 -2.63 -4.82	80.47 -2.51 -4.66	72.71 -2.28 -3.80	65.10 -2.02 -4.12	61.34 -1.91 -3.63	57.85 -1.92 -3.27	57.95 -1.93 -3.06
NINE_MILE_2 23744	59.33 -1.81 -4.65	58.61 -1.92 -4.20	58.28 -1.97 -3.98	58.34 -1.92 -3.93	58.65 -1.86 -4.07	60.03 -1.70 -5.06	76.51 -1.90 -5.24	81.96 -2.17 -6.69	80.17 -2.43 -4.35	73.01 -2.12 -4.27	67.69 -2.05 -3.50	60.84 -1.94 -3.84	58.43 -1.98 -3.85	58.16 -1.98 -3.58	60.25 -1.99 -3.73	61.64 -1.92 -3.74	72.01 -2.29 -2.87	84.22 -2.63 -4.81	80.46 -2.51 -4.65	72.71 -2.28 -3.79	65.09 -2.02 -4.11	61.34 -1.91 -3.62	57.84 -1.92 -3.26	57.94 -1.93 -3.06
NM_CAPITAL___DRP 24208	151.87 2.37 -92.99	142.67 2.31 -84.04	138.23 2.36 -79.59	137.06 2.14 -78.59	140.04 2.09 -81.50	160.22 2.21 -101.34	180.91 2.78 -104.97	213.30 2.87 -133.00	167.89 3.21 -86.43	158.73 2.98 -84.88	138.85 2.91 -69.69	138.05 2.77 -76.33	135.92 2.71 -76.65	130.51 2.71 -71.23	135.48 2.87 -74.10	136.96 2.69 -74.46	131.99 3.14 -57.41	181.82 3.36 -96.41	174.80 3.29 -93.20	150.11 2.99 -75.92	147.93 2.65 -82.28	134.84 2.62 -72.59	124.53 2.66 -65.37	120.56 2.56 -61.19
NM_CENTRAL___DRP 24181	62.76 -0.45 -6.71	61.60 -0.79 -6.07	61.17 -0.84 -5.74	61.16 -0.84 -5.67	61.59 -0.73 -5.88	63.48 -0.51 -7.31	80.60 -0.15 -7.58	86.87 -0.39 -9.82	84.08 -0.55 -6.38	76.64 -0.50 -6.27	70.86 -0.53 -5.14	63.99 -0.59 -5.63	61.48 -0.74 -5.66	61.08 -0.74 -5.26	63.34 -0.64 -5.47	64.71 -0.60 -5.50	75.10 -0.57 -4.24	88.50 -0.66 -7.11	84.56 -0.63 -6.88	76.23 -0.57 -5.60	68.56 -0.50 -6.07	64.38 -0.60 -5.36	60.53 -0.79 -4.82	60.55 -0.68 -4.41
NM_FRONTIER___DRP 24179	62.44 -5.25 -11.19	60.64 -5.80 -10.12	60.17 -5.68 -9.58	60.33 -5.46 -9.46	60.95 -5.31 -9.81	64.45 -4.42 -12.20	80.39 -5.27 -12.50	86.85 -6.66 -16.07	80.63 -8.06 -10.45	74.04 -7.09 -10.26	68.50 -6.16 -8.42	62.81 -5.36 -9.23	60.39 -5.43 -9.26	59.68 -5.49 -8.61	62.56 -4.92 -8.96	63.73 -5.08 -9.00	72.66 -5.71 -6.94	86.71 -6.97 -11.65	82.99 -6.58 -11.26	74.82 -5.55 -9.17	68.02 -4.91 -9.94	63.38 -5.01 -8.77	59.09 -5.31 -7.90	60.09 -4.09 -7.36
NM_ST_REGIS___HYD 24053	54.69 -1.81 0.00	54.75 -1.58 0.00	54.70 -1.58 0.00	54.81 -1.52 0.00	54.98 -1.47 0.00	54.69 -1.98 0.00	69.14 -4.02 0.00	73.65 -3.79 0.00	74.49 -3.76 0.00	67.47 -3.40 0.00	63.13 -3.11 0.00	56.88 -2.06 0.00	55.15 -1.41 0.00	55.26 -1.30 0.00	56.82 -1.70 0.00	57.72 -2.09 0.00	68.15 -3.29 0.00	78.51 -3.53 0.00	74.94 -3.37 0.00	67.99 -3.20 0.00	60.10 -2.90 0.00	57.18 -2.44 0.00	55.31 -1.19 0.00	55.51 -1.31 0.00

NORTHPORT___1 23551	149.04 5.99 -86.55	146.93 5.86 -84.74	145.62 5.80 -83.55	143.60 5.97 -81.30	145.62 5.98 -83.20	148.20 6.29 -85.24	164.07 6.88 -84.03	189.89 7.74 -104.71	158.78 8.06 -72.48	150.66 8.15 -71.64	151.43 7.75 -77.44	151.29 6.78 -85.57	150.51 6.39 -87.56	150.40 6.39 -87.45	150.57 6.73 -85.32	151.31 7.05 -84.44	154.67 8.14 -75.09	206.32 9.27 -115.02	181.43 8.77 -94.35	157.93 8.11 -78.62	155.04 7.05 -84.99	152.79 6.91 -86.26	147.67 6.22 -84.96	145.98 6.25 -82.91
NORTHPORT___2 23552	149.04 5.99 -86.55	146.93 5.86 -84.74	145.62 5.80 -83.55	143.60 5.97 -81.30	145.62 5.98 -83.20	148.20 6.29 -85.24	164.07 6.88 -84.03	189.89 7.74 -104.71	158.78 8.06 -72.48	150.66 8.15 -71.64	151.43 7.75 -77.44	151.29 6.78 -85.57	150.51 6.39 -87.56	150.40 6.39 -87.45	150.57 6.73 -85.32	151.31 7.05 -84.44	154.67 8.14 -75.09	206.32 9.27 -115.02	181.43 8.77 -94.35	157.93 8.11 -78.62	155.04 7.05 -84.99	152.79 6.91 -86.26	147.67 6.22 -84.96	145.98 6.25 -82.91
NORTHPORT___3 23553	147.57 4.52 -86.55	145.69 4.62 -84.74	144.49 4.67 -83.55	142.59 4.96 -81.30	144.55 4.91 -83.20	146.84 4.93 -85.24	153.77 5.34 -75.27	153.77 5.96 -70.37	153.77 6.33 -69.19	148.82 6.31 -71.64	149.51 5.83 -77.44	149.51 5.01 -85.56	148.93 4.80 -87.56	148.93 4.92 -87.45	148.93 5.09 -85.32	149.51 5.26 -84.44	152.81 6.29 -75.09	204.18 7.13 -115.01	179.46 6.81 -94.34	156.07 6.27 -78.61	153.77 5.79 -84.98	151.00 5.13 -86.25	146.43 4.97 -84.96	144.90 5.17 -82.91
NORTHPORT___4 23650	147.57 4.52 -86.55	145.69 4.62 -84.74	144.49 4.67 -83.55	142.59 4.96 -81.30	144.55 4.91 -83.20	146.84 4.93 -85.24	153.77 5.34 -75.27	153.77 5.96 -70.37	153.77 6.33 -69.19	148.82 6.31 -71.64	149.51 5.83 -77.44	149.51 5.01 -85.56	148.93 4.80 -87.56	148.93 4.92 -87.45	148.93 5.09 -85.32	149.51 5.26 -84.44	152.81 6.29 -75.09	204.18 7.13 -115.01	179.46 6.81 -94.34	156.07 6.27 -78.61	153.77 5.79 -84.98	151.00 5.13 -86.25	146.43 4.97 -84.96	144.90 5.17 -82.91
NORTHPORT___IC 23718	149.04 5.99 -86.55	146.93 5.86 -84.74	145.62 5.80 -83.55	143.60 5.97 -81.30	145.62 5.98 -83.20	148.20 6.29 -85.24	164.07 6.88 -84.03	189.89 7.74 -104.71	158.78 8.06 -72.48	150.66 8.15 -71.64	151.43 7.75 -77.44	151.29 6.78 -85.57	150.51 6.39 -87.56	150.40 6.39 -87.45	150.57 6.73 -85.32	151.31 7.05 -84.44	154.67 8.14 -75.09	206.32 9.27 -115.02	181.43 8.77 -94.35	157.93 8.11 -78.62	155.04 7.05 -84.99	152.79 6.91 -86.26	147.67 6.22 -84.96	145.98 6.25 -82.91
NORTH___COUNTRY_ESR 323785	55.59 -0.91 0.00	55.59 -0.73 0.00	55.54 -0.73 0.00	55.65 -0.67 0.00	55.82 -0.62 0.00	55.99 -0.68 0.00	71.34 -1.83 0.00	75.74 -1.70 0.00	76.76 -1.49 0.00	69.52 -1.35 0.00	65.12 -1.13 0.00	58.18 -0.77 0.00	56.05 -0.51 0.00	56.11 -0.45 0.00	57.99 -0.53 0.00	59.15 -0.66 0.00	70.79 -0.64 0.00	81.55 -0.49 0.00	77.85 -0.47 0.00	70.62 -0.57 0.00	62.49 -0.51 0.00	59.14 -0.48 0.00	56.50 0.00 0.00	56.88 0.00 0.00
NPX_GEN_1385_PROXY 323591	148.87 5.82 -86.55	146.70 5.63 -84.74	145.45 5.63 -83.55	143.38 5.75 -81.30	145.45 5.82 -83.20	148.03 6.12 -85.24	164.15 6.95 -84.03	190.82 8.67 -104.71	159.56 8.84 -72.48	150.73 8.22 -71.64	151.24 7.55 -77.44	151.05 6.54 -85.57	150.35 6.22 -87.56	150.23 6.22 -87.45	150.34 6.49 -85.32	151.07 6.82 -84.44	154.96 8.43 -75.09	206.65 9.59 -115.02	181.66 9.00 -94.35	157.93 8.11 -78.62	154.85 6.87 -84.99	152.61 6.74 -86.26	147.00 5.54 -84.96	145.47 5.74 -82.91
NPX_GEN_CSC 323557	150.23 7.18 -86.55	148.11 7.04 -84.74	146.74 6.92 -83.55	144.62 6.98 -81.30	146.87 7.23 -83.20	149.84 7.93 -85.24	166.20 9.37 -83.66	191.49 10.76 -103.29	160.91 10.33 -72.34	152.43 9.92 -71.64	153.09 9.40 -77.44	152.65 8.14 -85.57	151.87 7.75 -87.56	151.70 7.69 -87.45	151.97 8.13 -85.32	152.81 8.55 -84.44	156.88 10.35 -75.09	209.85 12.79 -115.02	184.71 12.06 -94.35	160.93 11.10 -78.63	157.85 9.82 -85.03	154.76 8.89 -86.26	149.08 7.62 -84.96	147.57 7.84 -82.91
NSINS_S_GLNS_FALLS 23858	156.58 4.41 -95.67	147.07 4.28 -86.46	142.55 4.39 -81.89	141.24 4.06 -80.86	144.53 4.23 -83.85	165.07 4.14 -104.26	187.45 6.29 -107.99	220.85 6.58 -136.83	173.98 6.81 -88.93	164.29 6.09 -87.33	143.51 5.56 -71.70	142.37 4.89 -78.53	140.00 4.58 -78.86	134.43 4.58 -73.29	139.61 4.86 -76.23	141.50 5.08 -76.61	136.64 6.14 -59.06	188.45 7.22 -99.19	181.32 7.13 -95.88	155.71 6.41 -78.11	153.32 5.67 -84.65	139.43 5.13 -74.68	128.39 4.63 -67.26	124.03 4.26 -62.95
NUCOR_STEEL___DRP 24197	65.81 0.28 -9.02	64.43 -0.06 -8.16	63.94 -0.06 -7.72	63.90 -0.06 -7.63	64.41 0.06 -7.91	66.85 0.34 -9.83	84.38 1.02 -10.19	91.38 0.93 -13.01	87.32 0.63 -8.45	79.67 0.50 -8.30	73.46 0.40 -6.82	66.65 0.24 -7.47	64.06 0.00 -7.50	63.53 0.00 -6.97	65.88 0.12 -7.25	67.33 0.24 -7.28	77.55 0.50 -5.61	92.12 0.66 -9.43	88.05 0.63 -9.11	79.26 0.64 -7.42	71.55 0.50 -8.04	67.08 0.36 -7.10	62.89 0.00 -6.39	62.93 0.17 -5.94
NUMBER_THREE_WT_PWR 323818	60.15 0.79 -2.86	59.53 0.62 -2.59	59.28 0.56 -2.45	59.48 0.73 -2.42	59.85 0.90 -2.51	60.75 0.96 -3.12	78.08 1.68 -3.23	83.18 2.71 -3.03	82.79 2.58 -1.97	74.93 2.12 -1.93	69.68 1.85 -1.59	62.39 1.71 -1.74	59.84 1.53 -1.75	59.77 1.58 -1.62	61.84 1.64 -1.69	63.18 1.67 -1.70	74.63 1.43 -1.77	86.97 1.97 -2.96	83.21 2.03 -2.87	75.10 1.56 -2.33	66.72 1.19 -2.53	62.81 0.95 -2.23	59.30 0.79 -2.01	59.56 0.85 -1.88
NYISO_LBMP_REFERENCE 24008	56.50 0.00 0.00	56.33 0.00 0.00	56.27 0.00 0.00	56.33 0.00 0.00	56.44 0.00 0.00	56.67 0.00 0.00	73.17 0.00 0.00	77.44 0.00 0.00	78.24 0.00 0.00	70.87 0.00 0.00	66.24 0.00 0.00	58.94 0.00 0.00	56.56 0.00 0.00	56.56 0.00 0.00	58.52 0.00 0.00	59.81 0.00 0.00	71.44 0.00 0.00	82.04 0.00 0.00	78.31 0.00 0.00	71.20 0.00 0.00	63.00 0.00 0.00	59.62 0.00 0.00	56.50 0.00 0.00	56.82 0.00 0.00
NYPA_BRENTWD___GT 24164	149.94 6.89 -86.55	147.71 6.64 -84.74	146.35 6.52 -83.55	144.28 6.64 -81.30	146.47 6.83 -83.20	149.11 7.20 -85.24	164.87 8.34 -83.37	188.78 9.21 -102.13	160.02 9.54 -72.23	151.79 9.28 -71.64	152.57 8.88 -77.44	152.29 7.78 -85.57	151.47 7.35 -87.56	151.31 7.30 -87.45	151.57 7.72 -85.32	152.32 8.07 -84.44	156.11 9.58 -75.09	208.12 11.07 -115.02	183.07 10.42 -94.35	159.36 9.54 -78.62	156.37 8.38 -85.00	153.87 7.99 -86.26	148.58 7.12 -84.96	146.83 7.10 -82.91
NYPA_GOWANUS___GT5 24156	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71
NYPA_GOWANUS___GT6 24157	137.27 5.59 -75.18	129.70 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.39 8.68 -121.47	201.36 7.87 -122.62	197.85 7.55 -124.06	202.68 6.60 -137.14	205.48 6.17 -142.75	199.36 6.17 -136.63	200.29 6.44 -135.34	200.35 6.82 -133.73	241.83 8.21 -162.18	334.73 9.51 -243.18	315.27 9.16 -227.80	245.10 8.33 -165.57	240.94 7.30 -170.64	186.13 6.79 -119.71	175.28 5.88 -112.90	145.27 5.74 -82.71

NYPA_HARLEM__RVR_GT1 24160	137.06 5.37 -75.19	129.36 5.13 -67.91	125.59 5.01 -64.31	125.01 5.18 -63.51	127.55 5.25 -65.86	144.30 5.61 -82.02	165.38 7.39 -84.82	198.91 7.90 -113.57	162.98 8.21 -76.52	153.94 7.51 -75.56	177.73 7.16 -104.33	160.88 6.25 -95.69	164.14 5.88 -101.70	169.10 5.83 -106.72	134.23 6.09 -69.62	238.16 6.46 -171.88	174.74 7.72 -95.58	215.22 8.78 -124.40	204.97 8.46 -118.20	186.09 7.76 -107.13	169.56 6.93 -99.63	132.59 6.44 -66.53	226.34 5.65 -164.19	173.96 5.51 -111.63
NYPA_HARLEM__RVR_GT2 24161	137.06 5.37 -75.19	129.36 5.13 -67.91	125.59 5.01 -64.31	125.01 5.18 -63.51	127.55 5.25 -65.86	144.30 5.61 -82.02	165.38 7.39 -84.82	198.91 7.90 -113.57	162.98 8.21 -76.52	153.94 7.51 -75.56	177.73 7.16 -104.33	160.88 6.25 -95.69	164.14 5.88 -101.70	169.10 5.83 -106.72	134.23 6.09 -69.62	238.16 6.46 -171.88	174.74 7.72 -95.58	215.22 8.78 -124.40	204.97 8.46 -118.20	186.09 7.76 -107.13	169.56 6.93 -99.63	132.59 6.44 -66.53	226.34 5.65 -164.19	173.96 5.51 -111.63
NYPA_KENT____GT 24152	137.22 5.54 -75.18	129.60 5.35 -67.91	125.82 5.23 -64.31	125.24 5.41 -63.51	127.78 5.47 -65.87	144.30 5.67 -81.96	165.60 7.54 -84.90	197.05 8.13 -111.48	208.24 8.53 -121.47	201.22 7.73 -122.62	197.72 7.42 -124.06	202.56 6.48 -137.14	205.36 6.05 -142.75	199.25 6.05 -136.63	200.18 6.32 -135.34	200.17 6.64 -133.73	227.37 8.00 -147.93	286.85 9.19 -195.62	271.08 8.85 -183.92	223.07 8.11 -143.76	221.83 7.18 -151.66	185.95 6.62 -119.71	175.17 5.77 -112.90	145.21 5.68 -82.71
NYPA_POUCH1____GT 24155	137.05 5.37 -75.18	129.60 5.35 -67.91	125.82 5.23 -64.31	125.19 5.35 -63.51	127.73 5.42 -65.87	144.13 5.50 -81.96	165.38 7.32 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.08 7.59 -122.62	197.52 7.22 -124.06	202.39 6.31 -137.14	205.25 5.94 -142.75	199.13 5.94 -136.63	200.06 6.20 -135.34	200.06 6.52 -133.73	241.54 7.93 -162.18	334.40 9.19 -243.18	315.03 8.92 -227.80	244.81 8.04 -165.57	240.75 7.12 -170.64	185.89 6.56 -119.71	175.05 5.65 -112.90	144.98 5.46 -82.71
NYPA_VERNON____GT2 24162	137.10 5.42 -75.18	129.48 5.24 -67.91	125.76 5.17 -64.31	125.13 5.29 -63.51	127.68 5.37 -65.87	144.30 5.67 -81.96	165.53 7.47 -84.90	196.97 8.05 -111.48	208.09 8.38 -121.47	201.15 7.66 -122.62	197.59 7.29 -124.06	202.39 6.31 -137.14	205.25 5.94 -142.75	199.13 5.94 -136.63	200.06 6.20 -135.34	200.06 6.52 -133.73	212.97 7.86 -133.68	239.05 8.94 -148.07	226.96 8.61 -140.04	201.04 7.90 -121.94	202.66 6.99 -132.67	185.83 6.50 -119.71	175.05 5.65 -112.90	145.16 5.63 -82.71
NYPA_VERNON____GT3 24163	137.10 5.42 -75.18	129.48 5.24 -67.91	125.76 5.17 -64.31	125.13 5.29 -63.51	127.68 5.37 -65.87	144.30 5.67 -81.96	165.53 7.47 -84.90	196.97 8.05 -111.48	208.09 8.38 -121.47	201.15 7.66 -122.62	197.59 7.29 -124.06	202.39 6.31 -137.14	205.25 5.94 -142.75	199.13 5.94 -136.63	200.06 6.20 -135.34	200.06 6.52 -133.73	212.97 7.86 -133.68	239.05 8.94 -148.07	226.96 8.61 -140.04	201.04 7.90 -121.94	202.66 6.99 -132.67	185.83 6.50 -119.71	175.05 5.65 -112.90	145.16 5.63 -82.71
NYPA__ASTORIA_CC1 323568	137.10 5.42 -75.18	129.48 5.24 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.61 5.30 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.00 7.51 -122.62	197.52 7.22 -124.06	202.33 6.25 -137.14	205.19 5.88 -142.75	199.08 5.88 -136.63	200.00 6.14 -135.34	200.00 6.46 -133.73	208.00 7.72 -128.85	222.75 8.78 -131.93	212.00 8.54 -125.15	193.50 7.76 -114.54	196.00 6.93 -126.07	185.78 6.44 -119.71	175.05 5.65 -112.90	145.10 5.57 -82.71
NYPA__ASTORIA_CC2 323569	137.10 5.42 -75.18	129.48 5.24 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.61 5.30 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.00 7.51 -122.62	197.52 7.22 -124.06	202.33 6.25 -137.14	205.19 5.88 -142.75	199.08 5.88 -136.63	200.00 6.14 -135.34	200.00 6.46 -133.73	208.00 7.72 -128.85	222.75 8.78 -131.93	212.00 8.54 -125.15	193.50 7.76 -114.54	196.00 6.93 -126.07	185.78 6.44 -119.71	175.05 5.65 -112.90	145.10 5.57 -82.71
NYPA__HOLTSVILL 23794	149.83 6.78 -86.55	147.66 6.59 -84.74	146.29 6.47 -83.55	144.22 6.59 -81.30	146.35 6.71 -83.20	149.11 7.20 -85.24	165.10 8.19 -83.74	190.00 8.98 -103.58	159.84 9.23 -72.37	151.51 9.00 -71.64	152.36 8.68 -77.44	152.12 7.61 -85.57	151.31 7.18 -87.56	151.20 7.18 -87.45	151.39 7.55 -85.32	152.15 7.89 -84.44	155.96 9.43 -75.09	207.88 10.83 -115.02	182.91 10.26 -94.35	159.29 9.47 -78.63	156.40 8.38 -85.03	153.75 7.87 -86.26	148.46 7.00 -84.96	146.83 7.10 -82.91
NYPA__HELLGATE_GT1 24158	137.01 5.37 -75.14	129.36 5.13 -67.91	125.59 5.01 -64.31	125.01 5.18 -63.51	127.55 5.25 -65.86	144.18 5.61 -81.89	165.50 7.39 -84.95	193.33 7.90 -107.99	234.76 8.21 -148.30	229.10 7.51 -150.72	197.30 7.16 -123.90	219.70 6.25 -154.51	220.79 5.88 -158.35	205.05 5.83 -142.66	239.18 6.09 -174.58	135.94 6.46 -69.67	216.14 7.72 -136.99	215.22 8.78 -124.40	204.97 8.46 -118.20	186.09 7.76 -107.13	202.37 6.93 -132.44	217.53 6.44 -151.47	123.71 5.65 -61.56	116.07 5.51 -53.74
NYPA__HELLGATE_GT2 24159	137.01 5.37 -75.14	129.36 5.13 -67.91	125.59 5.01 -64.31	125.01 5.18 -63.51	127.55 5.25 -65.86	144.18 5.61 -81.89	165.50 7.39 -84.95	193.33 7.90 -107.99	234.76 8.21 -148.30	229.10 7.51 -150.72	197.30 7.16 -123.90	219.70 6.25 -154.51	220.79 5.88 -158.35	205.05 5.83 -142.66	239.18 6.09 -174.58	135.94 6.46 -69.67	216.14 7.72 -136.99	215.22 8.78 -124.40	204.97 8.46 -118.20	186.09 7.76 -107.13	202.37 6.93 -132.44	217.53 6.44 -151.47	123.71 5.65 -61.56	116.07 5.51 -53.74
NYS_BARGE__HYD 23848	62.93 -4.52 -10.95	61.38 -4.84 -9.89	60.75 -4.90 -9.37	60.96 -4.62 -9.25	61.58 -4.46 -9.60	64.97 -3.63 -11.93	81.56 -3.95 -12.34	88.20 -4.96 -15.72	82.13 -6.34 -10.22	75.51 -5.39 -10.03	69.78 -4.70 -8.24	63.96 -4.01 -9.02	61.43 -4.18 -9.06	60.74 -4.24 -8.42	63.59 -3.68 -8.76	65.26 -3.35 -8.80	74.05 -4.15 -6.76	88.22 -5.17 -11.35	84.42 -4.86 -10.97	76.15 -3.99 -8.93	69.22 -3.46 -9.68	64.65 -3.52 -8.54	59.84 -4.35 -7.69	60.50 -3.52 -7.20
OAK ORCHARD__HYD 24046	63.95 -1.64 -9.09	62.63 -1.92 -8.21	62.03 -2.02 -7.78	62.15 -1.86 -7.68	62.66 -1.75 -7.97	65.56 -1.02 -9.91	82.92 -0.51 -10.26	89.58 -0.93 -13.07	84.94 -1.80 -8.49	77.71 -1.49 -8.34	71.90 -1.19 -6.85	65.32 -1.12 -7.50	62.62 -1.47 -7.53	62.15 -1.41 -7.00	64.68 -1.11 -7.28	66.34 -0.78 -7.31	76.05 -1.00 -5.61	90.14 -1.32 -9.42	86.16 -1.26 -9.11	77.69 -0.93 -7.42	70.15 -0.88 -8.04	65.70 -1.01 -7.09	61.25 -1.64 -6.39	61.49 -1.30 -5.98
OAKDALE__35_KV_LOAD 356122	81.14 0.28 -24.36	78.34 0.00 -22.01	77.12 0.00 -20.85	76.97 0.06 -20.59	78.02 0.23 -21.35	83.73 0.51 -26.55	101.91 1.24 -27.50	113.50 1.16 -34.90	101.79 0.86 -22.68	93.92 0.78 -22.27	85.33 0.79 -18.29	79.56 0.59 -20.03	77.07 0.40 -20.11	75.59 0.34 -18.69	78.55 0.59 -19.44	80.01 0.66 -19.54	87.57 1.07 -15.06	108.39 1.07 -25.29	103.85 1.10 -24.45	92.18 1.07 -19.91	85.46 0.88 -21.58	79.32 0.66 -19.04	73.87 0.23 -17.15	73.35 0.51 -16.02
OCC_CHEM__DRP 24175	62.57 -5.14 -11.21	60.77 -5.69 -10.13	60.30 -5.57 -9.60	60.45 -5.35 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.88 -7.82 -10.46	74.27 -6.87 -10.27	68.65 -6.03 -8.44	63.00 -5.19 -9.24	60.58 -5.26 -9.28	59.87 -5.32 -8.62	62.75 -4.74 -8.97	63.92 -4.90 -9.01	72.88 -5.50 -6.95	86.90 -6.81 -11.67	83.17 -6.42 -11.28	74.97 -5.41 -9.19	68.23 -4.72 -9.96	63.58 -4.83 -8.78	59.27 -5.14 -7.91	60.27 -3.92 -7.37

OH_GEN_PROXY 24063	63.15 -4.41 -11.06	61.65 -4.67 -9.99	60.95 -4.78 -9.46	61.11 -4.56 -9.35	61.73 -4.40 -9.69	65.15 -3.57 -12.05	81.70 -3.95 -12.49	88.20 -5.11 -15.88	82.07 -6.49 -10.32	75.40 -5.60 -10.13	69.66 -4.90 -8.32	63.81 -4.24 -9.11	61.36 -4.35 -9.15	60.65 -4.41 -8.50	63.50 -3.86 -8.84	65.17 -3.53 -8.89	73.90 -4.36 -6.82	88.08 -5.42 -11.46	84.30 -5.09 -11.08	76.02 -4.20 -9.02	69.06 -3.72 -9.78	64.55 -3.70 -8.63	59.80 -4.46 -7.77	60.40 -3.69 -7.27
OLIN_CORP_DRP 24177	62.90 -4.92 -11.32	61.04 -5.52 -10.23	60.73 -5.23 -9.69	60.94 -4.96 -9.56	61.51 -4.85 -9.92	64.98 -4.02 -12.33	81.47 -4.46 -12.77	87.96 -5.73 -16.25	81.69 -7.12 -10.56	75.00 -6.24 -10.37	69.39 -5.37 -8.52	63.61 -4.66 -9.33	61.17 -4.75 -9.37	60.40 -4.86 -8.70	63.36 -4.21 -9.05	64.54 -4.37 -9.10	73.59 -4.86 -7.01	87.83 -5.99 -11.78	84.06 -5.64 -11.38	75.77 -4.70 -9.27	68.89 -4.16 -10.05	64.20 -4.29 -8.87	59.79 -4.69 -7.98	60.80 -3.47 -7.44
OLIN_CORP_DSASP 323712	62.57 -5.14 -11.21	61.05 -5.41 -10.13	60.30 -5.57 -9.60	60.51 -5.30 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.81 -7.90 -10.46	74.34 -6.80 -10.27	68.65 -6.03 -8.43	62.99 -5.19 -9.24	60.58 -5.26 -9.28	59.86 -5.32 -8.62	62.75 -4.74 -8.97	64.40 -4.43 -9.01	72.86 -5.50 -6.92	86.85 -6.81 -11.62	83.12 -6.42 -11.23	74.93 -5.41 -9.15	68.19 -4.73 -9.92	63.72 -4.65 -8.75	59.06 -5.31 -7.88	59.70 -4.49 -7.37
ONEIDA_HERK_LFGE 323681	60.86 1.75 -2.61	60.26 1.57 -2.36	59.97 1.46 -2.23	60.17 1.63 -2.20	60.54 1.81 -2.29	61.44 1.93 -2.84	79.11 3.00 -2.94	84.15 4.41 -2.30	84.12 4.38 -1.49	76.16 3.82 -1.47	70.95 3.51 -1.20	63.38 3.12 -1.32	60.71 2.83 -1.32	60.62 2.83 -1.23	62.78 2.98 -1.28	64.20 3.11 -1.29	75.76 2.71 -1.61	88.03 3.28 -2.70	84.21 3.29 -2.61	76.10 2.77 -2.13	67.64 2.33 -2.31	63.69 2.03 -2.03	60.03 1.69 -1.83	60.30 1.76 -1.72
ONEIDA___115KV_TB4 55905	63.35 2.26 -4.59	62.45 1.97 -4.15	62.11 1.91 -3.93	62.23 2.03 -3.88	62.67 2.20 -4.02	64.11 2.44 -5.00	82.22 3.88 -5.18	88.33 3.25 -7.64	86.34 3.13 -4.97	78.37 2.62 -4.88	72.70 2.45 -4.00	65.39 2.06 -4.39	62.72 1.75 -4.40	62.41 1.75 -4.09	64.71 1.93 -4.26	66.18 2.09 -4.28	78.09 3.36 -3.30	91.51 3.94 -5.54	87.50 3.84 -5.35	78.83 3.28 -4.36	70.49 2.77 -4.73	66.24 2.44 -4.17	62.23 1.98 -3.75	62.00 2.16 -3.02
ONONDAGA_REF_OCCRA 23987	64.70 -0.11 -8.32	63.45 -0.39 -7.52	62.94 -0.45 -7.12	62.91 -0.45 -7.03	63.39 -0.34 -7.29	65.62 -0.11 -9.06	82.99 0.44 -9.39	89.74 0.23 -12.06	86.16 0.08 -7.84	78.57 0.00 -7.70	72.56 0.00 -6.32	65.75 -0.12 -6.92	63.23 -0.28 -6.95	62.68 -0.34 -6.46	65.00 -0.23 -6.72	66.38 -0.18 -6.75	76.64 0.00 -5.21	90.78 0.00 -8.74	86.76 0.00 -8.45	78.15 0.07 -6.88	70.46 0.00 -7.46	66.08 -0.12 -6.58	62.03 -0.40 -5.93	62.01 -0.28 -5.47
ONONDAGA___COGEN 23986	64.03 -0.11 -7.65	62.84 -0.39 -6.91	62.42 -0.39 -6.55	62.40 -0.39 -6.46	62.86 -0.28 -6.70	64.89 -0.11 -8.33	82.16 0.37 -8.63	88.72 0.23 -11.05	85.42 0.00 -7.18	77.92 0.00 -7.05	71.97 -0.07 -5.79	65.11 -0.18 -6.34	62.59 -0.34 -6.37	62.08 -0.40 -5.92	64.38 -0.29 -6.16	65.76 -0.24 -6.19	76.06 -0.14 -4.77	89.88 -0.16 -8.01	85.89 -0.16 -7.74	77.43 -0.07 -6.30	69.70 -0.13 -6.83	65.47 -0.18 -6.03	61.53 -0.40 -5.43	61.57 -0.28 -5.03
ONTARIO___LFGE 23819	66.86 -0.51 -10.87	65.31 -0.84 -9.82	64.62 -0.96 -9.30	64.61 -0.90 -9.19	65.29 -0.67 -9.53	68.46 -0.06 -11.84	86.38 0.95 -12.27	93.84 0.77 -15.62	88.55 0.16 -10.15	80.98 0.14 -9.97	74.63 0.20 -8.18	67.91 0.00 -8.96	65.22 -0.34 -9.00	64.64 -0.28 -8.37	67.10 -0.12 -8.70	68.79 0.24 -8.74	78.57 0.43 -6.71	93.88 0.58 -11.26	89.75 0.55 -10.89	80.71 0.64 -8.87	73.05 0.44 -9.61	68.28 0.18 -8.48	63.52 -0.62 -7.64	63.57 -0.39 -7.15
ORANGEVILLE_WT_PWR 323706	66.78 -3.45 -13.73	65.02 -3.72 -12.41	64.31 -3.72 -11.75	64.50 -3.44 -11.61	65.26 -3.22 -12.04	69.26 -2.38 -14.96	86.54 -2.12 -15.50	94.36 -2.78 -19.70	87.14 -3.91 -12.81	80.18 -3.26 -12.57	73.85 -2.72 -10.32	67.83 -2.42 -11.31	65.26 -2.66 -11.35	64.40 -2.71 -10.55	67.27 -2.22 -10.98	68.99 -1.85 -11.03	77.77 -2.14 -8.47	93.40 -2.87 -14.23	89.49 -2.58 -13.76	80.41 -1.99 -11.21	73.31 -1.83 -12.14	68.43 -1.91 -10.71	63.38 -2.77 -9.65	63.81 -2.04 -9.03
ORANGEVILLE___ESR 323794	66.78 -3.45 -13.73	65.02 -3.72 -12.41	64.31 -3.72 -11.75	64.50 -3.44 -11.61	65.26 -3.22 -12.04	69.26 -2.38 -14.96	86.54 -2.12 -15.50	94.36 -2.78 -19.70	87.14 -3.91 -12.81	80.18 -3.26 -12.57	73.85 -2.72 -10.32	67.83 -2.42 -11.31	65.26 -2.66 -11.35	64.40 -2.71 -10.55	67.27 -2.22 -10.98	68.99 -1.85 -11.03	77.77 -2.14 -8.47	93.40 -2.87 -14.23	89.49 -2.58 -13.76	80.41 -1.99 -11.21	73.31 -1.83 -12.14	68.43 -1.91 -10.71	63.38 -2.77 -9.65	63.81 -2.04 -9.03
OSWEGATCHIE___HYD 24044	57.37 -1.19 -2.06	57.00 -1.19 -1.86	56.85 -1.18 -1.76	56.99 -1.07 -1.74	57.29 -0.96 -1.80	57.67 -1.25 -2.24	73.36 -2.12 -2.32	78.19 -1.63 -2.38	78.07 -1.72 -1.55	70.68 -1.70 -1.52	65.83 -1.65 -1.25	59.25 -1.06 -1.36	57.19 -0.74 -1.37	57.16 -0.68 -1.27	58.90 -0.94 -1.32	59.71 -1.44 -1.33	70.71 -2.00 -1.27	82.12 -2.05 -2.13	78.58 -1.80 -2.06	70.96 -1.92 -1.68	62.99 -1.83 -1.82	59.50 -1.73 -1.61	56.98 -0.96 -1.45	57.21 -0.97 -1.35
OSWEGO___5 23606	60.60 -1.30 -5.40	59.74 -1.46 -4.88	59.37 -1.52 -4.62	59.42 -1.46 -4.56	59.76 -1.41 -4.73	61.30 -1.25 -5.88	77.94 -1.31 -6.09	83.73 -1.47 -7.77	81.49 -1.80 -5.05	74.20 -1.63 -4.96	68.72 -1.59 -4.07	61.81 -1.59 -4.46	59.39 -1.64 -4.47	59.08 -1.64 -4.16	61.20 -1.64 -4.33	62.60 -1.56 -4.35	72.91 -1.86 -3.33	85.50 -2.13 -5.59	81.68 -2.04 -5.40	73.75 -1.85 -4.40	66.20 -1.57 -4.77	62.40 -1.43 -4.21	58.77 -1.52 -3.79	58.89 -1.48 -3.55
OSWEGO___6 23613	60.60 -1.30 -5.40	59.74 -1.46 -4.88	59.37 -1.52 -4.62	59.42 -1.46 -4.56	59.76 -1.41 -4.73	61.30 -1.25 -5.88	77.94 -1.31 -6.09	83.73 -1.47 -7.77	81.49 -1.80 -5.05	74.20 -1.63 -4.96	68.72 -1.59 -4.07	61.81 -1.59 -4.46	59.39 -1.64 -4.47	59.08 -1.64 -4.16	61.20 -1.64 -4.33	62.60 -1.56 -4.35	72.91 -1.86 -3.33	85.50 -2.13 -5.59	81.68 -2.04 -5.40	73.75 -1.85 -4.40	66.20 -1.57 -4.77	62.40 -1.43 -4.21	58.77 -1.52 -3.79	58.89 -1.48 -3.55
OUTOKUMPU-AB___DRP 24206	63.79 -4.12 -11.42	61.92 -4.73 -10.32	61.54 -4.50 -9.77	61.75 -4.22 -9.65	62.33 -4.12 -10.01	65.77 -3.34 -12.44	82.26 -3.73 -12.83	89.19 -4.65 -16.40	82.95 -5.95 -10.66	76.23 -5.10 -10.46	70.46 -4.37 -8.59	64.70 -3.65 -9.41	62.22 -3.79 -9.45	61.44 -3.90 -8.78	64.37 -3.28 -9.13	65.52 -3.47 -9.18	74.73 -3.79 -7.07	89.16 -4.76 -11.88	85.41 -4.39 -11.48	76.92 -3.63 -9.36	69.99 -3.15 -10.14	65.41 -3.16 -8.95	60.83 -3.73 -8.06	61.77 -2.56 -7.51
OXBOW___BTM 323836	63.24 -4.57 -11.32	61.65 -4.90 -10.23	60.95 -5.01 -9.69	61.16 -4.73 -9.56	61.79 -4.57 -9.92	65.26 -3.74 -12.33	81.52 -4.32 -12.67	88.27 -5.42 -16.25	82.00 -6.81 -10.56	75.43 -5.81 -10.37	69.72 -5.04 -8.51	63.97 -4.30 -9.32	61.51 -4.41 -9.36	60.79 -4.47 -8.70	63.65 -3.92 -9.05	65.32 -3.59 -9.10	73.92 -4.50 -6.98	88.11 -5.66 -11.73	84.40 -5.25 -11.34	76.02 -4.41 -9.23	69.23 -3.78 -10.01	64.75 -3.70 -8.83	59.93 -4.52 -7.95	60.57 -3.69 -7.44

OXBOW____ 24026	63.24 -4.58 -11.32	61.43 -5.13 -10.23	60.95 -5.01 -9.69	61.16 -4.73 -9.56	61.79 -4.57 -9.92	65.26 -3.74 -12.33	81.52 -4.32 -12.67	88.27 -5.42 -16.25	82.08 -6.73 -10.56	75.36 -5.88 -10.37	69.72 -5.03 -8.51	63.97 -4.30 -9.33	61.51 -4.41 -9.36	60.74 -4.52 -8.70	63.65 -3.92 -9.05	64.84 -4.07 -9.10	73.95 -4.50 -7.01	88.23 -5.58 -11.77	84.45 -5.25 -11.38	76.06 -4.41 -9.27	69.27 -3.78 -10.05	64.61 -3.88 -8.87	60.13 -4.35 -7.98	61.14 -3.13 -7.44
OXY_CHEM_DSASP 323612	62.57 -5.14 -11.21	60.77 -5.69 -10.13	60.30 -5.57 -9.60	60.45 -5.35 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.88 -7.82 -10.46	74.27 -6.87 -10.27	68.65 -6.03 -8.44	63.00 -5.19 -9.24	60.58 -5.26 -9.28	59.87 -5.32 -8.62	62.75 -4.74 -8.97	63.92 -4.90 -9.01	72.88 -5.50 -6.95	86.90 -6.81 -11.67	83.17 -6.42 -11.28	74.97 -5.41 -9.19	68.23 -4.72 -9.96	63.58 -4.83 -8.78	59.27 -5.14 -7.91	60.27 -3.92 -7.37
OZONE_PARK_ESR 323760	137.37 5.71 -75.16	129.64 5.41 -67.91	125.87 5.29 -64.31	125.24 5.41 -63.50	127.83 5.53 -65.86	144.56 5.95 -81.94	165.87 7.83 -84.87	196.73 8.52 -110.77	199.48 8.84 -112.39	192.02 8.01 -113.14	187.91 7.55 -114.11	190.58 6.54 -125.09	192.74 6.17 -130.02	187.41 6.17 -124.68	187.11 6.50 -122.10	187.39 6.76 -120.82	195.92 8.22 -116.27	215.87 9.43 -124.40	205.44 8.93 -118.20	186.58 8.26 -107.12	186.27 7.24 -116.03	175.35 6.74 -108.99	164.84 5.99 -102.35	139.54 5.97 -76.75
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	62.57 -5.14 -11.21	60.77 -5.69 -10.13	60.30 -5.57 -9.60	60.45 -5.35 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.88 -7.82 -10.46	74.27 -6.87 -10.27	68.65 -6.03 -8.44	63.00 -5.19 -9.24	60.58 -5.26 -9.28	59.87 -5.32 -8.62	62.75 -4.74 -8.97	63.92 -4.90 -9.01	72.88 -5.50 -6.95	86.90 -6.81 -11.67	83.17 -6.42 -11.28	74.97 -5.41 -9.19	68.23 -4.72 -9.96	63.58 -4.83 -8.78	59.27 -5.14 -7.91	60.27 -3.92 -7.37
PACKARD__115KV_DUPONT_184 80571	62.57 -5.14 -11.21	60.77 -5.69 -10.13	60.30 -5.57 -9.60	60.45 -5.35 -9.48	61.08 -5.19 -9.83	64.58 -4.31 -12.22	80.56 -5.12 -12.52	87.11 -6.43 -16.10	80.88 -7.82 -10.46	74.27 -6.87 -10.27	68.65 -6.03 -8.44	63.00 -5.19 -9.24	60.58 -5.26 -9.28	59.87 -5.32 -8.62	62.75 -4.74 -8.97	63.92 -4.90 -9.01	72.88 -5.50 -6.95	86.90 -6.81 -11.67	83.17 -6.42 -11.28	74.97 -5.41 -9.19	68.23 -4.72 -9.96	63.58 -4.83 -8.78	59.27 -5.14 -7.91	60.27 -3.92 -7.37
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	136.78 5.14 -75.14	129.14 4.90 -67.91	125.43 4.84 -64.31	124.85 5.01 -63.51	127.39 5.08 -65.87	143.88 5.33 -81.89	165.01 7.02 -84.82	192.73 7.59 -107.70	158.95 7.90 -72.80	149.78 7.23 -71.68	176.46 6.89 -103.33	157.55 5.95 -92.66	160.94 5.60 -98.78	167.02 5.60 -104.86	128.56 5.85 -64.20	130.29 6.10 -64.38	172.23 7.36 -93.44	214.81 8.37 -124.41	204.67 8.14 -118.21	185.81 7.48 -107.14	167.61 6.68 -97.94	127.89 6.14 -62.13	118.16 5.42 -56.24	112.90 5.34 -50.74
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	137.57 5.93 -75.14	129.93 5.69 -67.91	126.27 5.68 -64.31	125.64 5.80 -63.51	128.18 5.87 -65.87	144.62 6.06 -81.89	166.03 8.05 -84.82	193.74 8.60 -107.70	159.89 8.84 -72.80	150.56 8.01 -71.68	177.19 7.62 -103.33	158.20 6.60 -92.66	161.56 6.22 -98.78	167.59 6.17 -104.86	129.15 6.44 -64.20	130.95 6.76 -64.38	173.09 8.22 -93.44	215.72 9.27 -124.41	205.53 9.01 -118.21	186.59 8.26 -107.14	168.31 7.37 -97.94	128.55 6.80 -62.13	118.78 6.05 -56.24	113.58 6.02 -50.74
PATROON__115KV_TB1 80586	152.51 2.49 -93.52	143.21 2.37 -84.52	138.74 2.42 -80.04	137.51 2.14 -79.04	140.50 2.09 -81.97	160.80 2.21 -101.91	181.58 2.85 -105.56	214.13 2.94 -133.75	168.46 3.29 -86.93	159.28 3.05 -85.36	139.31 2.98 -70.09	138.66 2.95 -76.76	136.53 2.88 -77.08	131.08 2.88 -71.64	136.02 2.98 -74.52	137.45 2.75 -74.88	132.39 3.21 -57.74	182.45 3.45 -96.96	175.41 3.37 -93.73	150.54 2.99 -76.35	148.46 2.71 -82.75	135.25 2.62 -73.00	124.96 2.71 -65.75	120.97 2.61 -61.53
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	64.20 -4.69 -12.39	62.29 -5.24 -11.20	61.81 -5.06 -10.60	62.07 -4.73 -10.47	62.67 -4.63 -10.86	66.43 -3.74 -13.50	83.34 -3.80 -13.97	90.73 -4.49 -17.78	84.09 -5.71 -11.56	77.26 -4.96 -11.35	71.39 -4.17 -9.32	65.55 -3.60 -10.21	63.02 -3.79 -10.25	62.18 -3.90 -9.52	65.09 -3.34 -9.91	66.36 -3.41 -9.96	75.47 -3.64 -7.67	90.25 -4.68 -12.89	86.54 -4.23 -12.46	77.86 -3.49 -10.15	70.85 -3.15 -11.00	65.93 -3.40 -9.70	61.23 -4.01 -8.74	62.13 -2.84 -8.15
PAWLING_115_KV_BK3_REV_LBMP_H 345028	137.62 5.31 -75.81	129.79 4.96 -68.51	126.05 4.90 -64.88	125.52 5.13 -64.07	127.96 5.08 -66.44	144.72 5.44 -82.61	166.20 7.46 -85.57	193.84 7.98 -108.42	157.00 8.29 -70.46	147.43 7.37 -69.20	130.14 7.09 -56.81	127.18 6.01 -62.23	124.70 5.66 -62.48	120.29 5.66 -58.07	124.83 5.91 -60.41	126.67 6.16 -60.70	125.99 7.57 -46.98	169.96 9.02 -78.89	163.11 8.54 -76.26	141.01 7.69 -62.13	137.26 6.93 -67.33	125.22 6.20 -59.40	115.25 5.25 -53.49	112.17 5.28 -50.07
PEEKSKILL____ 23653	135.30 4.52 -74.28	127.73 4.28 -67.12	124.01 4.16 -63.57	123.44 4.34 -62.78	125.95 4.41 -65.10	142.32 4.70 -80.95	163.22 6.22 -83.84	190.58 6.73 -106.41	156.53 7.04 -71.24	147.24 6.31 -70.07	138.60 6.03 -66.33	133.11 5.19 -68.98	131.94 4.92 -70.46	129.46 4.92 -67.98	126.04 5.15 -62.37	127.83 5.44 -62.58	134.93 6.50 -56.99	176.62 7.46 -87.12	169.20 7.13 -83.76	148.35 6.55 -70.60	142.05 5.79 -73.26	125.53 5.37 -60.54	115.87 4.63 -54.73	111.24 4.60 -49.82
PGE MADISON__WINDPWR 24146	85.95 5.77 -23.69	82.97 5.24 -21.40	81.50 4.95 -20.27	81.81 5.46 -20.02	83.02 5.82 -20.76	88.83 6.35 -25.81	110.07 10.17 -26.73	122.31 10.92 -33.95	110.95 10.64 -22.06	101.88 9.35 -21.66	92.58 8.55 -17.79	86.14 7.72 -19.48	83.25 7.13 -19.56	81.81 7.07 -18.18	84.86 7.43 -18.91	86.88 8.07 -19.00	96.13 10.07 -14.62	118.65 12.06 -24.55	113.78 11.74 -23.73	100.78 10.25 -19.33	92.51 8.57 -20.95	85.68 7.57 -18.48	79.36 6.22 -16.64	79.04 6.64 -15.58
PIERCEFIELD__HYD 23852	54.41 -2.09 0.00	54.47 -1.86 0.00	54.42 -1.86 0.00	54.53 -1.80 0.00	54.64 -1.81 0.00	54.23 -2.44 0.00	68.34 -4.83 0.00	72.87 -4.57 0.00	73.71 -4.54 0.00	66.69 -4.18 0.00	62.40 -3.84 0.00	56.29 -2.65 0.00	54.69 -1.87 0.00	54.81 -1.75 0.00	56.24 -2.28 0.00	57.00 -2.81 0.00	67.22 -4.21 0.00	77.36 -4.68 0.00	73.93 -4.39 0.00	67.00 -4.20 0.00	59.22 -3.78 0.00	56.46 -3.16 0.00	54.80 -1.69 0.00	55.06 -1.76 0.00
PINELAWN_CC_1 323563	149.49 6.44 -86.55	147.27 6.20 -84.74	145.96 6.13 -83.55	143.88 6.25 -81.30	146.02 6.38 -83.20	148.65 6.74 -85.24	165.28 8.05 -84.07	191.12 8.82 -104.86	159.96 9.23 -72.49	151.30 8.79 -71.64	152.10 8.41 -77.45	151.82 7.31 -85.57	151.02 6.90 -87.57	150.91 6.90 -87.45	151.10 7.25 -85.32	151.91 7.66 -84.44	155.68 9.15 -75.09	207.56 10.50 -115.02	182.68 10.03 -94.35	158.93 9.12 -78.62	156.05 8.07 -84.99	153.39 7.51 -86.26	148.12 6.66 -84.96	146.37 6.64 -82.91
PJM_GEN_HTP_PROXY 323702	136.74 5.09 -75.15	129.07 4.84 -67.90	125.30 4.73 -64.30	124.72 4.90 -63.49	127.32 5.02 -65.85	143.98 5.39 -81.92	165.04 7.02 -84.85	195.08 7.67 -109.97	188.55 7.98 -102.32	180.60 7.15 -102.58	176.10 6.82 -103.03	176.52 5.89 -111.68	178.00 5.60 -115.84	173.48 5.55 -111.38	171.72 5.85 -107.35	172.42 6.16 -106.44	181.09 7.36 -102.29	206.42 8.37 -116.01	196.76 7.99 -110.46	177.40 7.33 -98.87	175.48 6.49 -105.99	162.70 6.02 -97.06	152.42 5.31 -90.61	132.24 5.29 -70.13

PJM_GEN_KEystone 24065	102.68 0.40 -45.78	97.81 0.11 -41.37	95.51 0.06 -39.18	95.24 0.23 -38.69	96.91 0.34 -40.12	107.41 0.85 -49.89	126.45 1.61 -51.68	144.70 1.47 -65.79	125.65 1.09 -46.31	117.55 0.99 -45.69	109.48 1.19 -42.04	104.67 0.94 -44.78	102.99 0.73 -45.69	100.84 0.68 -43.60	101.45 0.99 -41.93	103.10 1.31 -41.98	110.07 1.64 -36.99	137.78 1.55 -54.19	131.96 1.57 -52.08	116.91 1.71 -44.00	111.01 1.45 -46.56	101.00 1.25 -40.12	93.51 0.51 -36.50	90.02 0.85 -32.35
PJM_GEN_NEPTUNE_PROXY 323594	148.53 5.48 -86.55	146.31 5.24 -84.74	144.94 5.12 -83.55	142.93 5.29 -81.30	145.00 5.37 -83.20	147.63 5.72 -85.24	164.90 6.95 -84.78	192.68 7.59 -107.65	158.99 7.98 -72.76	150.02 7.51 -71.64	150.91 7.22 -77.45	150.76 6.25 -85.57	150.01 5.88 -87.56	149.89 5.88 -87.45	150.04 6.20 -85.32	150.77 6.52 -84.44	154.32 7.79 -75.09	205.92 8.86 -115.02	181.12 8.46 -94.35	157.58 7.76 -78.62	154.85 6.87 -84.99	152.26 6.38 -86.26	147.16 5.70 -84.96	145.41 5.68 -82.91
PJM_GEN_VFT_PROXY 323633	136.58 4.91 -75.16	128.85 4.62 -67.91	125.08 4.50 -64.31	124.45 4.62 -63.50	127.04 4.74 -65.86	143.77 5.16 -81.94	164.77 6.73 -84.87	195.57 7.36 -110.77	198.31 7.67 -112.39	190.87 6.87 -113.13	186.90 6.56 -114.10	189.74 5.72 -125.08	191.94 5.38 -130.00	186.60 5.38 -124.67	186.22 5.62 -122.08	186.53 5.92 -120.80	194.78 7.07 -116.27	214.47 8.04 -124.39	204.18 7.68 -118.19	185.36 7.05 -107.12	185.26 6.24 -116.02	174.45 5.85 -108.98	163.98 5.14 -102.34	138.74 5.17 -76.75
PLATSBURG_115KV_PMLD1 355749	56.33 -0.17 0.00	56.33 0.00 0.00	56.22 -0.06 0.00	56.38 0.06 0.00	56.61 0.17 0.00	56.90 0.23 0.00	72.21 -0.95 0.00	76.67 -0.77 0.00	77.62 -0.63 0.00	70.37 -0.50 0.00	65.91 -0.33 0.00	58.89 -0.06 0.00	56.67 0.11 0.00	56.79 0.23 0.00	58.75 0.23 0.00	60.17 0.36 0.00	71.79 0.36 0.00	82.78 0.74 0.00	79.02 0.70 0.00	71.62 0.43 0.00	63.38 0.38 0.00	60.04 0.42 0.00	57.18 0.68 0.00	57.50 0.68 0.00
PLEASANTVLY___LBMP 24000	139.81 3.95 -79.35	131.81 3.77 -71.71	127.90 3.71 -67.92	127.28 3.89 -67.06	129.89 3.89 -69.55	147.34 4.19 -86.47	168.22 5.49 -89.57	196.82 5.89 -113.49	158.18 6.18 -73.76	148.97 5.67 -72.43	131.01 5.30 -59.47	128.68 4.60 -65.14	126.26 4.30 -65.40	121.64 4.30 -60.79	126.31 4.56 -63.23	128.08 4.72 -63.54	126.14 5.71 -48.99	170.87 6.56 -82.27	164.10 6.26 -79.52	141.75 5.77 -64.78	138.31 5.10 -70.21	126.27 4.71 -61.94	116.46 4.18 -55.78	113.17 4.15 -52.21
PLSNTVLE_13_KV_13.8KVDIST 80602	137.06 4.63 -75.93	129.34 4.39 -68.62	125.59 4.33 -64.99	124.95 4.45 -64.17	127.56 4.57 -66.55	144.28 4.87 -82.74	165.31 6.44 -85.70	192.77 6.97 -108.36	153.24 7.35 -67.64	143.76 6.66 -66.23	115.20 6.29 -42.66	115.98 5.42 -51.61	111.93 5.15 -50.23	105.01 5.09 -43.36	120.11 5.38 -56.21	121.99 5.56 -56.62	110.20 6.79 -31.97	154.99 7.79 -65.16	149.26 7.36 -63.58	126.61 6.76 -48.65	126.04 5.98 -57.06	120.89 5.49 -55.78	111.37 4.92 -49.95	110.34 4.89 -48.63
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	137.06 4.63 -75.93	129.34 4.39 -68.62	125.59 4.33 -64.99	124.95 4.45 -64.17	127.56 4.57 -66.55	144.28 4.87 -82.74	165.31 6.44 -85.70	192.77 6.97 -108.36	153.24 7.35 -67.64	143.76 6.66 -66.23	115.20 6.29 -42.66	115.98 5.42 -51.61	111.93 5.15 -50.23	105.01 5.09 -43.36	120.11 5.38 -56.21	121.99 5.56 -56.62	110.20 6.79 -31.97	154.99 7.79 -65.16	149.26 7.36 -63.58	126.61 6.76 -48.65	126.04 5.98 -57.06	120.89 5.49 -55.78	111.37 4.92 -49.95	110.34 4.89 -48.63
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	137.98 5.14 -76.33	130.10 4.79 -68.98	126.33 4.73 -65.33	125.74 4.90 -64.51	128.31 4.97 -66.90	145.30 5.44 -83.18	166.64 7.32 -86.16	194.28 7.67 -109.17	157.26 8.06 -70.95	147.77 7.23 -69.68	130.14 6.69 -57.21	127.32 5.72 -62.66	124.74 5.26 -62.92	120.30 5.26 -58.47	124.90 5.56 -60.83	126.74 5.80 -61.12	126.20 7.36 -47.41	170.35 8.70 -79.61	163.57 8.30 -76.95	141.22 7.33 -62.69	137.43 6.49 -67.94	125.40 5.84 -59.94	115.51 5.03 -53.98	112.34 5.00 -50.52
POLETTI_____ 23519	136.92 5.25 -75.16	129.19 4.96 -67.91	125.48 4.90 -64.31	124.84 5.01 -63.50	127.44 5.14 -65.86	144.11 5.50 -81.94	165.14 7.10 -84.87	195.95 7.74 -110.77	198.75 8.14 -112.37	191.36 7.37 -113.12	187.22 6.89 -114.09	189.96 5.95 -125.06	192.15 5.60 -129.99	186.81 5.60 -124.65	186.49 5.91 -122.06	186.70 6.10 -120.79	195.11 7.43 -116.24	214.87 8.45 -124.38	204.56 8.07 -118.18	185.71 7.40 -107.11	185.62 6.61 -116.01	174.66 6.08 -108.96	164.30 5.48 -102.32	139.07 5.51 -76.74
POMONA___ESR 323819	133.45 4.41 -72.54	126.05 4.17 -65.55	122.41 4.05 -62.08	121.80 4.17 -61.30	124.31 4.29 -63.58	140.31 4.59 -79.05	161.11 6.07 -81.88	187.89 6.58 -103.88	154.20 6.89 -69.07	144.91 6.16 -67.88	134.45 5.89 -62.32	129.52 5.07 -65.50	127.98 4.75 -66.67	125.14 4.75 -63.83	123.64 4.97 -60.16	125.45 5.26 -60.38	130.88 6.36 -53.09	171.99 7.22 -82.73	164.84 6.89 -79.63	144.17 6.33 -66.64	138.39 5.60 -69.79	123.31 5.18 -58.51	113.87 4.52 -52.85	109.72 4.49 -48.41
PORT_JEFF_3 23555	149.66 6.61 -86.55	147.60 6.53 -84.74	146.24 6.41 -83.55	144.16 6.53 -81.30	146.35 6.71 -83.20	148.94 7.03 -85.24	163.91 7.17 -83.57	188.03 7.67 -102.92	158.93 8.38 -72.31	151.15 8.64 -71.64	152.03 8.35 -77.44	151.82 7.31 -85.57	151.08 6.95 -87.56	150.97 6.95 -87.45	151.16 7.31 -85.32	151.91 7.66 -84.44	155.60 9.07 -75.09	206.65 9.59 -115.02	181.74 9.08 -94.35	158.58 8.75 -78.63	155.97 7.94 -85.03	153.39 7.51 -86.26	148.35 6.89 -84.96	146.77 7.04 -82.91
PORT_JEFF_4 23616	149.66 6.61 -86.55	147.60 6.53 -84.74	146.24 6.41 -83.55	144.16 6.53 -81.30	146.35 6.71 -83.20	148.94 7.03 -85.24	163.91 7.17 -83.57	188.03 7.67 -102.92	158.93 8.38 -72.31	151.15 8.64 -71.64	152.03 8.35 -77.44	151.82 7.31 -85.57	151.08 6.95 -87.56	150.97 6.95 -87.45	151.16 7.31 -85.32	151.91 7.66 -84.44	155.60 9.07 -75.09	206.65 9.59 -115.02	181.74 9.08 -94.35	158.58 8.75 -78.63	155.97 7.94 -85.03	153.39 7.51 -86.26	148.35 6.89 -84.96	146.77 7.04 -82.91
PORT_JEFF_IC 23713	149.83 6.78 -86.55	147.71 6.64 -84.74	146.35 6.52 -83.55	144.28 6.64 -81.30	146.41 6.77 -83.20	149.11 7.20 -85.24	164.04 7.61 -83.27	187.38 8.20 -101.74	159.20 8.76 -72.19	151.37 8.86 -71.64	152.24 8.55 -77.44	152.00 7.49 -85.57	151.25 7.13 -87.56	151.14 7.13 -87.45	151.33 7.49 -85.32	152.09 7.83 -84.44	155.89 9.36 -75.09	207.22 10.17 -115.02	182.29 9.63 -94.34	159.02 9.19 -78.63	156.29 8.25 -85.04	153.63 7.75 -86.26	148.46 7.00 -84.96	146.89 7.16 -82.91
PPL PILGRIM_ST_GT1 24216	149.94 6.89 -86.55	147.71 6.64 -84.74	146.35 6.52 -83.55	144.28 6.64 -81.30	146.47 6.83 -83.20	149.11 7.20 -85.24	164.87 8.34 -83.37	188.78 9.21 -102.13	160.02 9.54 -72.23	151.79 9.28 -71.64	152.57 8.88 -77.44	152.29 7.78 -85.57	151.47 7.35 -87.56	151.31 7.30 -87.45	151.57 7.72 -85.32	152.32 8.07 -84.44	156.11 9.58 -75.09	208.12 11.07 -115.02	183.07 10.42 -94.35	159.36 9.54 -78.62	156.37 8.38 -85.00	153.87 7.99 -86.26	148.58 7.12 -84.96	146.83 7.10 -82.91
PPL PILGRIM_ST_GT2 24217	149.94 6.89 -86.55	147.71 6.64 -84.74	146.35 6.52 -83.55	144.28 6.64 -81.30	146.47 6.83 -83.20	149.11 7.20 -85.24	164.87 8.34 -83.37	188.78 9.21 -102.13	160.02 9.54 -72.23	151.79 9.28 -71.64	152.57 8.88 -77.44	152.29 7.78 -85.57	151.47 7.35 -87.56	151.31 7.30 -87.45	151.57 7.72 -85.32	152.32 8.07 -84.44	156.11 9.58 -75.09	208.12 11.07 -115.02	183.07 10.42 -94.35	159.36 9.54 -78.62	156.37 8.38 -85.00	153.87 7.99 -86.26	148.58 7.12 -84.96	146.83 7.10 -82.91

PPL_SHRM_GT3 24213	150.29 7.23 -86.55	148.17 7.10 -84.74	146.80 6.98 -83.55	144.67 7.04 -81.30	146.92 7.28 -83.20	149.90 7.99 -85.24	166.08 9.37 -83.55	191.04 10.76 -102.84	160.95 10.41 -72.30	152.43 9.92 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.77 12.72 -115.02	184.71 12.05 -94.35	160.86 11.04 -78.63	157.85 9.82 -85.03	154.76 8.89 -86.26	149.08 7.62 -84.96	147.63 7.90 -82.91
PPL_SHRM_GT4 24214	150.29 7.23 -86.55	148.17 7.10 -84.74	146.80 6.98 -83.55	144.67 7.04 -81.30	146.92 7.28 -83.20	149.90 7.99 -85.24	166.08 9.37 -83.55	191.04 10.76 -102.84	160.95 10.41 -72.30	152.43 9.92 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.77 12.72 -115.02	184.71 12.05 -94.35	160.86 11.04 -78.63	157.85 9.82 -85.03	154.76 8.89 -86.26	149.08 7.62 -84.96	147.63 7.90 -82.91
PROJECT___ORANGE 1 24174	62.85 -0.45 -6.81	61.75 -0.73 -6.15	61.31 -0.79 -5.82	61.29 -0.79 -5.75	61.73 -0.68 -5.96	63.63 -0.45 -7.42	80.77 -0.07 -7.68	87.07 -0.31 -9.94	84.23 -0.47 -6.46	76.79 -0.43 -6.34	70.99 -0.46 -5.21	64.12 -0.53 -5.70	61.61 -0.68 -5.73	61.20 -0.68 -5.32	63.47 -0.59 -5.54	64.84 -0.54 -5.56	75.23 -0.50 -4.29	88.67 -0.57 -7.20	84.73 -0.55 -6.96	76.37 -0.50 -5.67	68.70 -0.44 -6.15	64.51 -0.54 -5.42	60.65 -0.73 -4.88	60.67 -0.63 -4.48
PROJECT___ORANGE 2 24166	62.85 -0.45 -6.81	61.75 -0.73 -6.15	61.31 -0.79 -5.82	61.29 -0.79 -5.75	61.73 -0.68 -5.96	63.63 -0.45 -7.42	80.77 -0.07 -7.68	87.07 -0.31 -9.94	84.23 -0.47 -6.46	76.79 -0.43 -6.34	70.99 -0.46 -5.21	64.12 -0.53 -5.70	61.61 -0.68 -5.73	61.20 -0.68 -5.32	63.47 -0.59 -5.54	64.84 -0.54 -5.56	75.23 -0.50 -4.29	88.67 -0.57 -7.20	84.73 -0.55 -6.96	76.37 -0.50 -5.67	68.70 -0.44 -6.15	64.51 -0.54 -5.42	60.65 -0.73 -4.88	60.67 -0.63 -4.48
PUCKETT___SOLAR 323809	83.56 1.86 -25.20	80.67 1.57 -22.77	79.30 1.46 -21.57	79.26 1.63 -21.30	80.34 1.81 -22.09	86.28 2.15 -27.46	105.41 3.80 -28.44	117.41 3.87 -36.10	105.31 3.60 -23.46	96.95 3.05 -23.03	88.00 2.85 -18.91	82.02 2.36 -20.71	79.45 2.09 -20.80	77.98 2.09 -19.33	80.90 2.28 -20.11	82.71 2.69 -20.21	90.41 3.43 -15.55	112.09 3.94 -26.11	107.39 3.84 -25.24	95.25 3.49 -20.56	88.18 2.90 -22.29	81.79 2.50 -19.66	75.96 1.75 -17.71	75.38 1.99 -16.57
PYRITES___HYD 24023	55.43 -1.07 0.00	55.43 -0.90 0.00	55.32 -0.96 0.00	55.54 -0.79 0.00	55.65 -0.79 0.00	55.37 -1.30 0.00	70.02 -3.15 0.00	74.81 -2.63 0.00	75.74 -2.50 0.00	68.53 -2.34 0.00	64.12 -2.12 0.00	57.88 -1.06 0.00	56.28 -0.28 0.00	56.39 -0.17 0.00	57.93 -0.59 0.00	58.61 -1.20 0.00	68.86 -2.57 0.00	79.33 -2.71 0.00	75.81 -2.51 0.00	68.63 -2.56 0.00	60.67 -2.33 0.00	57.77 -1.85 0.00	55.82 -0.68 0.00	56.14 -0.68 0.00
QUAKERRD_115KV_BK1 80622	62.73 -2.54 -8.77	61.32 -2.93 -7.93	60.85 -2.93 -7.51	60.92 -2.82 -7.41	61.42 -2.71 -7.69	64.13 -2.10 -9.56	81.09 -1.98 -9.90	87.73 -2.32 -12.61	83.39 -3.05 -8.19	76.22 -2.69 -8.05	70.40 -2.45 -6.61	64.00 -2.18 -7.24	61.40 -2.43 -7.27	60.94 -2.38 -6.75	63.38 -2.17 -7.03	64.66 -2.21 -7.06	74.52 -2.36 -5.44	88.39 -2.79 -9.14	84.40 -2.74 -8.83	76.04 -2.35 -7.20	68.65 -2.14 -7.80	64.30 -2.21 -6.88	60.15 -2.54 -6.20	60.49 -2.10 -5.77
QUENSBRY_115KV_TB8 356137	156.75 4.52 -95.73	147.23 4.39 -86.51	142.71 4.50 -81.93	141.29 4.06 -80.91	144.69 4.35 -83.90	165.19 4.19 -104.32	187.66 6.44 -108.06	221.09 6.74 -136.91	174.19 6.96 -88.98	164.48 6.24 -87.38	143.68 5.70 -71.74	142.59 5.07 -78.58	140.21 4.75 -78.90	134.58 4.69 -73.33	139.71 4.92 -76.28	141.67 5.20 -76.65	136.75 6.21 -59.10	188.59 7.30 -99.25	181.53 7.28 -95.93	155.90 6.55 -78.15	153.49 5.80 -84.70	139.59 5.25 -74.72	128.48 4.69 -67.30	124.12 4.32 -62.98
RAMAPO___LBMP 323565	132.95 4.12 -72.33	125.58 3.89 -65.36	122.01 3.83 -61.91	121.40 3.94 -61.13	123.85 4.01 -63.39	139.86 4.36 -78.82	160.59 5.78 -81.64	187.29 6.27 -103.58	153.63 6.57 -68.82	144.43 5.88 -67.68	133.80 5.63 -61.93	128.89 4.77 -65.17	127.34 4.47 -66.31	124.46 4.47 -63.43	123.15 4.68 -59.95	124.89 4.90 -60.18	130.12 6.00 -52.68	171.11 6.81 -82.26	164.01 6.50 -79.19	143.47 6.05 -66.22	137.71 5.29 -69.42	122.80 4.89 -58.29	113.44 4.29 -52.65	109.33 4.26 -48.25
RANKINE____ 23646	64.68 -3.95 -12.14	62.79 -4.51 -10.97	62.33 -4.33 -10.39	62.59 -4.00 -10.26	63.25 -3.84 -10.64	66.95 -2.95 -13.23	83.93 -2.93 -13.69	91.15 -3.72 -17.43	84.56 -5.01 -11.33	77.74 -4.25 -11.12	71.86 -3.51 -9.13	65.94 -3.01 -10.00	63.44 -3.17 -10.04	62.61 -3.28 -9.33	65.53 -2.69 -9.71	66.82 -2.75 -9.76	76.03 -2.93 -7.52	90.89 -3.77 -12.63	87.07 -3.45 -12.21	78.36 -2.78 -9.94	71.32 -2.46 -10.78	66.39 -2.74 -9.51	61.73 -3.33 -8.56	62.65 -2.16 -7.98
RAVENSWOOD_GT2_1 24244	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.45 5.14 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.05 5.95 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.67 6.61 -125.06	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT2_2 24245	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.45 5.14 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.05 5.95 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.67 6.61 -125.06	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT2_3 24246	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.45 5.14 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.11 6.01 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.67 6.61 -125.06	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT2_4 24247	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.45 5.14 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.11 6.01 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.67 6.61 -125.06	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT3_1 24248	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.45 5.14 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.11 6.01 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.67 6.61 -125.06	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71



RAVENSWOOD_GT3_2 24249	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.45 5.14 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.11 6.01 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.67 6.61 -125.06	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT3_3 24250	136.99 5.31 -75.18	129.31 5.07 -67.91	125.54 4.95 -64.31	124.96 5.13 -63.51	127.50 5.19 -65.87	144.19 5.55 -81.96	165.30 7.24 -84.90	196.82 7.90 -111.48	207.93 8.22 -121.47	200.95 7.44 -122.64	197.34 7.02 -124.07	202.17 6.07 -137.15	205.09 5.77 -142.76	198.92 5.71 -136.65	199.90 6.03 -135.35	199.83 6.28 -133.74	207.86 7.57 -128.85	222.67 8.70 -131.94	211.77 8.30 -125.16	193.36 7.62 -114.55	194.80 6.74 -125.06	185.54 6.20 -119.72	174.95 5.54 -112.91	145.10 5.57 -82.71
RAVENSWOOD_GT3_4 24251	136.99 5.31 -75.18	129.31 5.07 -67.91	125.54 4.95 -64.31	124.96 5.13 -63.51	127.50 5.19 -65.87	144.19 5.55 -81.96	165.30 7.24 -84.90	196.82 7.90 -111.48	207.93 8.22 -121.47	200.95 7.44 -122.64	197.34 7.02 -124.07	202.17 6.07 -137.15	205.09 5.77 -142.76	198.92 5.71 -136.65	199.90 6.03 -135.35	199.83 6.28 -133.74	207.86 7.57 -128.85	222.67 8.70 -131.94	211.77 8.30 -125.16	193.36 7.62 -114.55	194.80 6.74 -125.06	185.54 6.20 -119.72	174.95 5.54 -112.91	145.10 5.57 -82.71
RAVENSWOOD_GT_1 23729	137.10 5.42 -75.18	129.48 5.24 -67.91	125.76 5.18 -64.31	125.13 5.29 -63.51	127.67 5.36 -65.87	144.30 5.67 -81.96	165.52 7.46 -84.90	196.98 8.05 -111.48	208.08 8.37 -121.47	201.16 7.65 -122.64	197.60 7.29 -124.07	202.40 6.31 -137.15	205.26 5.94 -142.76	199.15 5.94 -136.65	200.07 6.20 -135.35	200.01 6.46 -133.74	212.98 7.86 -133.68	239.05 8.94 -148.07	226.97 8.61 -140.04	201.05 7.90 -121.95	202.67 6.99 -132.68	185.78 6.44 -119.72	175.12 5.71 -112.91	145.15 5.63 -82.71
RAVENSWOOD_GT_10 24258	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.05 5.95 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.51 6.55 -124.96	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT_11 24259	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.05 5.95 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.51 6.55 -124.96	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT_4 24252	136.87 5.20 -75.18	129.14 4.90 -67.91	125.43 4.84 -64.31	124.79 4.96 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.16 7.10 -84.90	196.59 7.67 -111.48	207.69 7.98 -121.47	200.74 7.23 -122.64	197.14 6.82 -124.07	202.05 5.95 -137.15	204.92 5.60 -142.76	198.81 5.60 -136.65	199.72 5.85 -135.35	199.65 6.10 -133.74	211.40 7.43 -132.53	234.71 8.45 -144.22	222.87 8.07 -136.49	198.79 7.40 -120.18	198.85 6.55 -129.30	185.36 6.02 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT_5 24254	136.87 5.20 -75.18	129.14 4.90 -67.91	125.43 4.84 -64.31	124.79 4.96 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.16 7.10 -84.90	196.59 7.67 -111.48	207.69 7.98 -121.47	200.74 7.23 -122.64	197.14 6.82 -124.07	202.05 5.95 -137.15	204.92 5.60 -142.76	198.81 5.60 -136.65	199.72 5.85 -135.35	199.65 6.10 -133.74	211.40 7.43 -132.53	234.71 8.45 -144.22	222.87 8.07 -136.49	198.79 7.40 -120.18	198.85 6.55 -129.30	185.36 6.02 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT_6 24253	136.87 5.20 -75.18	129.14 4.90 -67.91	125.43 4.84 -64.31	124.79 4.96 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.16 7.10 -84.90	196.59 7.67 -111.48	207.69 7.98 -121.47	200.74 7.23 -122.64	197.14 6.82 -124.07	202.05 5.95 -137.15	204.92 5.60 -142.76	198.81 5.60 -136.65	199.72 5.85 -135.35	199.65 6.10 -133.74	211.40 7.43 -132.53	234.71 8.45 -144.22	222.87 8.07 -136.49	198.79 7.40 -120.18	198.85 6.55 -129.30	185.36 6.02 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT_7 24255	136.87 5.20 -75.18	129.14 4.90 -67.91	125.43 4.84 -64.31	124.79 4.96 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.16 7.10 -84.90	196.59 7.67 -111.48	207.69 7.98 -121.47	200.74 7.23 -122.64	197.14 6.82 -124.07	202.05 5.95 -137.15	204.92 5.60 -142.76	198.81 5.60 -136.65	199.72 5.85 -135.35	199.65 6.10 -133.74	211.40 7.43 -132.53	234.71 8.45 -144.22	222.87 8.07 -136.49	198.79 7.40 -120.18	198.85 6.55 -129.30	185.36 6.02 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.05 5.95 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.51 6.55 -124.96	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD_GT_9 24257	136.87 5.20 -75.18	129.20 4.96 -67.91	125.48 4.90 -64.31	124.85 5.01 -63.51	127.39 5.08 -65.87	144.08 5.44 -81.96	165.23 7.17 -84.90	196.67 7.74 -111.48	207.77 8.06 -121.47	200.81 7.30 -122.64	197.20 6.89 -124.07	202.05 5.95 -137.15	204.98 5.66 -142.76	198.81 5.60 -136.65	199.78 5.91 -135.35	199.71 6.16 -133.74	207.72 7.43 -128.85	222.51 8.53 -131.94	211.61 8.14 -125.16	193.22 7.48 -114.55	194.51 6.55 -124.96	185.42 6.08 -119.72	174.83 5.42 -112.91	144.98 5.45 -82.71
RAVENSWOOD___1 23533	137.10 5.42 -75.18	129.48 5.24 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.68 5.37 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.08 7.59 -122.62	197.52 7.22 -124.06	202.33 6.25 -137.14	205.19 5.88 -142.75	199.08 5.88 -136.63	200.00 6.14 -135.34	200.00 6.46 -133.73	208.07 7.79 -128.85	222.91 8.94 -131.93	212.00 8.54 -125.15	193.57 7.83 -114.54	196.00 6.93 -126.07	185.78 6.44 -119.71	175.05 5.65 -112.90	145.10 5.57 -82.71
RAVENSWOOD___2 23534	137.05 5.37 -75.18	129.42 5.18 -67.91	125.71 5.12 -64.31	125.07 5.24 -63.51	127.61 5.30 -65.87	144.25 5.61 -81.96	165.45 7.39 -84.90	196.90 7.98 -111.48	208.00 8.29 -121.47	201.00 7.51 -122.62	197.46 7.16 -124.06	202.33 6.25 -137.14	205.19 5.88 -142.75	199.08 5.88 -136.63	200.00 6.14 -135.34	200.00 6.46 -133.73	208.00 7.72 -128.85	222.83 8.86 -131.93	212.00 8.54 -125.15	193.50 7.76 -114.54	196.00 6.93 -126.07	185.72 6.38 -119.71	175.00 5.59 -112.90	145.04 5.51 -82.71
RAVENSWOOD___3 23535	136.87 5.19 -75.18	129.25 5.01 -67.91	125.48 4.89 -64.31	124.85 5.01 -63.51	127.45 5.14 -65.87	144.08 5.44 -81.96	165.24 7.17 -84.90	196.66 7.74 -111.48	207.77 8.06 -121.47	200.79 7.30 -122.62	197.19 6.89 -124.06	202.10 6.02 -137.14	204.97 5.66 -142.75	198.85 5.66 -136.63	199.76 5.91 -135.34	199.76 6.22 -133.73	207.71 7.43 -128.85	222.50 8.53 -131.93	211.61 8.14 -125.15	193.21 7.47 -114.54	194.66 6.61 -125.05	185.48 6.14 -119.71	174.83 5.42 -112.90	144.93 5.40 -82.71

RAVENSWOOD___4 23820	137.05 5.37 -75.18	129.42 5.18 -67.91	125.65 5.07 -64.31	125.07 5.24 -63.51	127.61 5.30 -65.87	144.19 5.56 -81.96	165.38 7.32 -84.90	196.82 7.90 -111.48	207.92 8.21 -121.47	201.00 7.51 -122.62	197.46 7.16 -124.06	202.33 6.25 -137.14	205.14 5.83 -142.75	199.02 5.83 -136.63	199.94 6.09 -135.34	200.00 6.46 -133.73	203.24 7.72 -124.09	206.95 8.86 -116.04	197.34 8.54 -110.49	186.21 7.76 -107.25	189.43 6.87 -119.57	185.72 6.38 -119.71	175.00 5.59 -112.90	145.04 5.51 -82.71
RCPI_TRUST___DRP 24196	136.85 5.20 -75.15	129.13 4.90 -67.90	125.41 4.84 -64.30	124.78 4.96 -63.49	127.37 5.08 -65.85	144.09 5.50 -81.92	165.18 7.17 -84.85	195.24 7.82 -109.97	188.70 8.14 -102.32	180.83 7.37 -102.59	176.25 6.96 -103.05	176.72 6.07 -111.70	178.13 5.71 -115.86	173.66 5.71 -111.39	171.85 5.97 -107.37	172.49 6.22 -106.46	181.23 7.50 -102.30	206.59 8.53 -116.02	196.84 8.07 -110.47	177.62 7.55 -98.87	175.61 6.61 -106.00	162.83 6.14 -97.07	152.60 5.48 -90.62	132.41 5.45 -70.13
RED___ROCHESTER 323720	64.24 -1.30 -9.04	62.86 -1.64 -8.17	62.26 -1.74 -7.73	62.33 -1.64 -7.64	62.90 -1.47 -7.92	65.84 -0.68 -9.85	83.22 -0.15 -10.20	90.04 -0.39 -12.99	85.43 -1.25 -8.44	78.23 -0.92 -8.29	72.32 -0.73 -6.81	65.75 -0.65 -7.45	63.03 -1.02 -7.48	62.55 -0.96 -6.96	65.05 -0.70 -7.24	66.72 -0.36 -7.27	76.52 -0.50 -5.58	90.66 -0.74 -9.37	86.66 -0.71 -9.05	78.15 -0.42 -7.37	70.55 -0.44 -7.99	66.08 -0.60 -7.05	61.61 -1.24 -6.35	61.80 -0.97 -5.94
REGAN___SOLAR 323812	167.94 6.33 -105.11	157.63 6.31 -94.99	152.54 6.30 -89.97	151.36 6.20 -88.84	155.28 6.71 -92.13	177.73 6.51 -114.55	201.98 10.17 -118.65	238.22 10.45 -150.33	186.11 10.17 -97.70	175.61 8.79 -95.96	152.97 7.95 -78.79	152.13 6.89 -86.29	149.71 6.50 -86.65	143.59 6.50 -80.53	149.18 6.90 -83.77	151.82 7.83 -84.18	146.18 9.86 -64.88	202.73 11.73 -108.96	195.31 11.67 -105.33	167.40 10.39 -85.81	165.25 9.26 -92.99	150.30 8.64 -82.04	137.90 7.52 -73.88	132.73 6.76 -69.15
RENSSELAER___COGEN 23796	151.27 2.15 -92.62	142.12 2.09 -83.70	137.69 2.14 -79.28	136.46 1.86 -78.28	139.43 1.81 -81.18	159.53 1.93 -100.93	180.05 2.34 -104.55	212.31 2.40 -132.47	167.07 2.74 -86.09	157.98 2.55 -84.56	138.13 2.45 -69.43	137.46 2.48 -76.04	135.35 2.43 -76.36	129.96 2.43 -70.97	134.91 2.57 -73.82	136.26 2.27 -74.18	131.33 2.71 -57.18	180.94 2.87 -96.03	173.87 2.74 -92.82	149.31 2.49 -75.62	147.15 2.20 -81.95	134.19 2.27 -72.30	123.93 2.32 -65.11	120.04 2.28 -60.94
REPUBLIC_115KV_BARTNBRK 55605	159.12 6.95 -95.67	149.60 6.82 -86.46	145.14 6.98 -81.89	143.66 6.48 -80.86	147.24 6.94 -83.85	167.56 6.63 -104.26	191.47 10.32 -107.99	225.19 10.92 -136.83	178.28 11.11 -88.92	168.19 9.99 -87.33	146.95 9.01 -71.70	145.43 7.96 -78.53	142.88 7.47 -78.85	137.26 7.41 -73.29	142.53 7.78 -76.23	144.55 8.13 -76.61	140.36 9.86 -59.06	192.79 11.57 -99.19	185.78 11.59 -95.88	159.63 10.32 -78.11	156.78 9.13 -84.65	142.59 8.29 -74.68	131.21 7.46 -67.26	126.64 6.88 -62.95
REVERE_CPPR_DRP 24186	63.23 2.77 -3.96	62.33 2.42 -3.58	61.97 2.31 -3.39	62.21 2.53 -3.35	62.63 2.71 -3.47	63.94 2.95 -4.32	82.25 4.61 -4.47	87.38 7.59 -2.35	87.36 7.59 -1.53	79.03 6.66 -1.50	73.70 6.23 -1.23	65.83 5.54 -1.35	62.95 5.03 -1.35	62.91 5.09 -1.26	65.15 5.33 -1.31	66.69 5.56 -1.31	76.59 4.14 -1.01	88.66 4.92 -1.70	84.73 4.78 -1.64	76.67 4.13 -1.34	67.91 3.46 -1.45	63.94 3.04 -1.28	60.20 2.54 -1.15	62.15 2.73 -2.61
REYNOLDS_115KV_TB3 80639	151.77 2.49 -92.79	142.55 2.37 -83.85	138.11 2.42 -79.42	137.06 2.31 -78.42	140.08 2.31 -81.32	160.17 2.38 -101.11	180.90 3.00 -104.73	213.24 3.10 -132.70	167.93 3.44 -86.24	158.75 3.19 -84.69	138.83 3.05 -69.54	137.99 2.89 -76.16	135.81 2.77 -76.48	130.41 2.77 -71.08	135.38 2.93 -73.93	136.92 2.81 -74.30	132.08 3.36 -57.28	181.85 3.61 -96.20	174.75 3.45 -92.99	150.16 3.20 -75.75	147.93 2.83 -82.10	134.79 2.74 -72.43	124.50 2.77 -65.23	120.60 2.73 -61.05
RIVERBAY____ 323610	137.57 5.93 -75.14	129.93 5.69 -67.91	126.27 5.68 -64.31	125.64 5.80 -63.51	128.18 5.87 -65.87	144.62 6.06 -81.89	166.03 8.05 -84.82	193.74 8.60 -107.70	159.89 8.84 -72.80	150.56 8.01 -71.68	177.19 7.62 -103.33	158.20 6.60 -92.66	161.56 6.22 -98.78	167.59 6.17 -104.86	129.15 6.44 -64.20	130.95 6.76 -64.38	173.09 8.22 -93.44	215.72 9.27 -124.41	205.53 9.01 -118.21	186.59 8.26 -107.14	168.31 7.37 -97.94	128.55 6.80 -62.13	118.78 6.05 -56.24	113.58 6.02 -50.74
RIVERSDE_115KV_TB3 55908	151.87 2.37 -92.99	142.67 2.31 -84.04	138.23 2.36 -79.59	137.06 2.14 -78.59	140.04 2.09 -81.50	160.22 2.21 -101.34	180.91 2.78 -104.97	213.30 2.87 -133.00	167.89 3.21 -86.43	158.73 2.98 -84.88	138.85 2.91 -69.69	138.05 2.77 -76.33	135.92 2.71 -76.65	130.51 2.71 -71.23	135.48 2.87 -74.10	136.96 2.69 -74.46	131.99 3.14 -57.41	181.82 3.36 -96.41	174.80 3.29 -93.20	150.11 2.99 -75.92	147.93 2.65 -82.28	134.84 2.62 -72.59	124.53 2.66 -65.37	120.56 2.56 -61.19
ROARING___BROOK_WT_PWR 323790	55.82 -0.68 0.00	55.71 -0.62 0.00	55.71 -0.56 0.00	55.76 -0.56 0.00	55.88 -0.56 0.00	55.99 -0.68 0.00	71.99 -1.17 0.00	76.28 -1.16 0.00	77.15 -1.10 0.00	69.88 -0.99 0.00	65.31 -0.93 0.00	58.24 -0.70 0.00	55.99 -0.57 0.00	55.99 -0.57 0.00	57.87 -0.64 0.00	59.03 -0.78 0.00	70.51 -0.93 0.00	80.97 -1.07 0.00	77.29 -1.02 0.00	70.27 -0.93 0.00	62.18 -0.82 0.00	58.91 -0.71 0.00	56.05 -0.45 0.00	56.36 -0.46 0.00
ROCHESRG_115KV_T4 355643	63.60 -1.86 -8.97	62.12 -2.31 -8.10	61.70 -2.25 -7.68	61.77 -2.14 -7.58	62.27 -2.03 -7.86	65.14 -1.30 -9.77	82.34 -0.95 -10.12	88.94 -1.39 -12.89	84.35 -2.27 -8.38	77.18 -1.91 -8.23	71.34 -1.66 -6.75	64.87 -1.47 -7.40	62.24 -1.75 -7.43	61.71 -1.75 -6.90	64.29 -1.40 -7.18	65.59 -1.44 -7.22	75.57 -1.43 -5.56	89.66 -1.72 -9.34	85.62 -1.72 -9.03	77.20 -1.35 -7.36	69.77 -1.20 -7.97	65.22 -1.43 -7.03	61.03 -1.81 -6.33	61.52 -1.19 -5.90
ROCHESTER_9_IC 23652	64.01 -1.53 -9.04	62.47 -2.03 -8.17	62.04 -1.97 -7.73	62.11 -1.86 -7.64	62.67 -1.69 -7.92	65.56 -0.96 -9.85	82.93 -0.44 -10.20	89.66 -0.77 -12.99	85.04 -1.64 -8.44	77.74 -1.42 -8.29	71.92 -1.13 -6.81	65.40 -1.00 -7.46	62.69 -1.36 -7.49	62.16 -1.36 -6.96	64.76 -0.99 -7.24	66.07 -1.02 -7.27	76.18 -0.86 -5.60	90.30 -1.15 -9.41	86.24 -1.17 -9.10	77.75 -0.85 -7.41	70.21 -0.82 -8.03	65.70 -1.01 -7.09	61.47 -1.41 -6.38	61.91 -0.85 -5.94
ROCKVIEW_13_KV_LD 356306	136.66 5.03 -75.14	129.02 4.79 -67.90	125.25 4.67 -64.31	124.62 4.79 -63.50	127.21 4.91 -65.85	143.82 5.27 -81.88	164.93 6.95 -84.81	192.72 7.51 -107.77	159.71 7.90 -73.57	150.51 7.16 -72.49	177.17 6.76 -104.17	158.51 5.89 -93.67	161.95 5.54 -99.85	167.98 5.54 -105.87	129.62 5.79 -65.31	131.32 6.04 -65.47	173.22 7.29 -94.50	215.45 8.37 -125.05	205.10 7.99 -118.80	186.29 7.33 -107.76	168.19 6.49 -98.70	128.62 5.96 -63.03	118.93 5.31 -57.11	111.52 5.28 -49.42
ROME____115KV_TB2 80656	63.23 2.77 -3.96	62.33 2.42 -3.58	61.97 2.31 -3.39	62.21 2.53 -3.35	62.63 2.71 -3.47	63.94 2.95 -4.32	82.25 4.61 -4.47	87.38 7.59 -2.35	87.36 7.59 -1.53	79.03 6.66 -1.50	73.70 6.23 -1.23	65.83 5.54 -1.35	62.95 5.03 -1.35	62.91 5.09 -1.26	65.15 5.33 -1.31	66.69 5.56 -1.31	76.59 4.14 -1.01	88.66 4.92 -1.70	84.73 4.78 -1.64	76.67 4.13 -1.34	67.91 3.46 -1.45	63.94 3.04 -1.28	60.20 2.54 -1.15	62.15 2.73 -2.61

ROSETON___1 23587	136.10 3.90 -75.71	128.46 3.72 -68.42	124.73 3.66 -64.80	124.09 3.77 -63.99	126.64 3.84 -66.35	143.31 4.13 -82.50	164.04 5.41 -85.46	191.53 5.81 -108.28	154.72 6.11 -70.37	145.50 5.53 -69.10	128.21 5.23 -56.74	125.62 4.54 -62.14	123.20 4.24 -62.40	118.79 4.24 -57.99	123.28 4.45 -60.32	125.15 4.72 -60.62	123.80 5.64 -46.72	166.98 6.48 -78.47	160.34 6.19 -75.85	138.68 5.70 -61.79	135.00 5.04 -66.96	123.35 4.65 -59.08	113.77 4.07 -53.20	110.65 4.03 -49.80
ROSETON___2 23588	136.10 3.90 -75.71	128.46 3.72 -68.42	124.73 3.66 -64.80	124.09 3.77 -63.99	126.64 3.84 -66.35	143.31 4.13 -82.50	164.04 5.41 -85.46	191.53 5.81 -108.28	154.72 6.11 -70.37	145.50 5.53 -69.10	128.21 5.23 -56.74	125.62 4.54 -62.14	123.20 4.24 -62.40	118.79 4.24 -57.99	123.28 4.45 -60.32	125.15 4.72 -60.62	123.80 5.64 -46.72	166.98 6.48 -78.47	160.34 6.19 -75.85	138.68 5.70 -61.79	135.00 5.04 -66.96	123.35 4.65 -59.08	113.77 4.07 -53.20	110.65 4.03 -49.80
ROTRDAM_115KV_TB3 80664	155.66 2.49 -96.68	146.12 2.42 -87.37	141.49 2.48 -82.75	140.51 2.48 -81.71	143.72 2.54 -84.73	164.57 2.55 -105.35	185.87 3.59 -109.12	219.42 3.72 -138.26	172.01 3.91 -89.86	162.65 3.54 -88.24	141.94 3.25 -72.45	141.13 2.83 -79.35	138.96 2.71 -79.68	133.33 2.71 -74.05	138.36 2.81 -77.03	140.21 2.99 -77.41	134.76 3.64 -59.68	186.45 4.18 -100.23	179.27 4.07 -96.88	153.82 3.70 -78.93	151.81 3.28 -85.54	138.12 3.04 -75.46	127.23 2.77 -67.96	123.10 2.67 -63.61
RUSSELL___1 23602	64.24 -1.30 -9.04	62.69 -1.80 -8.17	62.26 -1.74 -7.73	62.33 -1.63 -7.64	62.90 -1.47 -7.92	65.84 -0.68 -9.85	83.22 -0.15 -10.20	90.04 -0.39 -12.99	85.43 -1.25 -8.44	78.17 -0.99 -8.29	72.32 -0.73 -6.81	65.75 -0.65 -7.46	63.03 -1.02 -7.49	62.50 -1.02 -6.96	65.05 -0.70 -7.24	66.42 -0.66 -7.27	76.54 -0.50 -5.61	90.71 -0.74 -9.41	86.71 -0.70 -9.10	78.18 -0.43 -7.41	70.59 -0.44 -8.03	65.99 -0.72 -7.09	61.75 -1.13 -6.38	62.14 -0.63 -5.94
RUSSELL___2 23532	64.24 -1.30 -9.04	62.69 -1.80 -8.17	62.26 -1.74 -7.73	62.33 -1.63 -7.64	62.90 -1.47 -7.92	65.84 -0.68 -9.85	83.22 -0.15 -10.20	90.04 -0.39 -12.99	85.43 -1.25 -8.44	78.17 -0.99 -8.29	72.32 -0.73 -6.81	65.75 -0.65 -7.46	63.03 -1.02 -7.49	62.50 -1.02 -6.96	65.05 -0.70 -7.24	66.42 -0.66 -7.27	76.54 -0.50 -5.61	90.71 -0.74 -9.41	86.71 -0.70 -9.10	78.18 -0.43 -7.41	70.59 -0.44 -8.03	65.99 -0.72 -7.09	61.75 -1.13 -6.38	62.14 -0.63 -5.94
RUSSELL___3 23549	64.24 -1.30 -9.04	62.69 -1.80 -8.17	62.26 -1.74 -7.73	62.33 -1.63 -7.64	62.90 -1.47 -7.92	65.84 -0.68 -9.85	83.22 -0.15 -10.20	90.04 -0.39 -12.99	85.43 -1.25 -8.44	78.17 -0.99 -8.29	72.32 -0.73 -6.81	65.75 -0.65 -7.46	63.03 -1.02 -7.49	62.50 -1.02 -6.96	65.05 -0.70 -7.24	66.42 -0.66 -7.27	76.54 -0.50 -5.61	90.71 -0.74 -9.41	86.71 -0.70 -9.10	78.18 -0.43 -7.41	70.59 -0.44 -8.03	65.99 -0.72 -7.09	61.75 -1.13 -6.38	62.14 -0.63 -5.94
RUSSELL___4 23556	64.24 -1.30 -9.04	62.69 -1.80 -8.17	62.26 -1.74 -7.73	62.33 -1.63 -7.64	62.90 -1.47 -7.92	65.84 -0.68 -9.85	83.22 -0.15 -10.20	90.04 -0.39 -12.99	85.43 -1.25 -8.44	78.17 -0.99 -8.29	72.32 -0.73 -6.81	65.75 -0.65 -7.46	63.03 -1.02 -7.49	62.50 -1.02 -6.96	65.05 -0.70 -7.24	66.42 -0.66 -7.27	76.54 -0.50 -5.61	90.71 -0.74 -9.41	86.71 -0.70 -9.10	78.18 -0.43 -7.41	70.59 -0.44 -8.03	65.99 -0.72 -7.09	61.75 -1.13 -6.38	62.14 -0.63 -5.94
RUSSELL___STATION 23914	64.24 -1.30 -9.04	62.69 -1.80 -8.17	62.26 -1.74 -7.73	62.33 -1.63 -7.64	62.90 -1.47 -7.92	65.84 -0.68 -9.85	83.22 -0.15 -10.20	90.04 -0.39 -12.99	85.43 -1.25 -8.44	78.17 -0.99 -8.29	72.32 -0.73 -6.81	65.75 -0.65 -7.46	63.03 -1.02 -7.49	62.50 -1.02 -6.96	65.05 -0.70 -7.24	66.42 -0.66 -7.27	76.54 -0.50 -5.61	90.71 -0.74 -9.41	86.71 -0.70 -9.10	78.18 -0.43 -7.41	70.59 -0.44 -8.03	65.99 -0.72 -7.09	61.75 -1.13 -6.38	62.14 -0.63 -5.94
S SALMON___HYD 24043	61.51 -0.39 -5.40	60.59 -0.62 -4.88	60.22 -0.67 -4.62	60.28 -0.62 -4.57	60.62 -0.56 -4.74	62.05 -0.51 -5.89	79.19 -0.07 -6.10	85.05 0.00 -7.61	82.88 -0.31 -4.95	75.51 -0.21 -4.86	69.90 -0.33 -3.99	62.96 -0.35 -4.37	60.44 -0.51 -4.39	60.18 -0.45 -4.08	62.29 -0.47 -4.24	63.77 -0.30 -4.26	74.34 -0.43 -3.33	87.15 -0.49 -5.60	83.33 -0.39 -5.41	75.18 -0.42 -4.41	67.34 -0.44 -4.78	63.42 -0.41 -4.22	59.68 -0.62 -3.80	59.75 -0.62 -3.55
S.PERRY__115KV_TB1 80734	69.80 0.34 -12.96	67.82 -0.23 -11.71	67.20 -0.17 -11.09	67.23 -0.06 -10.96	67.97 0.17 -11.36	71.93 1.13 -14.13	90.65 2.85 -14.63	98.91 2.87 -18.61	92.37 2.03 -12.09	84.51 1.77 -11.87	77.52 1.52 -9.75	70.92 1.30 -10.68	66.04 -1.24 -10.72	65.17 -1.36 -9.97	67.95 -0.94 -10.37	69.57 -0.66 -10.42	79.39 -0.07 -8.03	95.11 -0.41 -13.48	90.95 -0.39 -13.03	81.60 -0.21 -10.62	74.50 0.00 -11.51	69.36 -0.42 -10.15	66.49 0.85 -9.14	66.77 1.42 -8.53
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	64.03 -4.12 -11.66	62.19 -4.68 -10.54	61.75 -4.50 -9.98	61.96 -4.22 -9.85	62.60 -4.06 -10.22	66.20 -3.17 -12.70	83.03 -3.29 -13.16	89.92 -4.26 -16.74	83.49 -5.63 -10.88	76.66 -4.89 -10.68	70.91 -4.11 -8.77	65.01 -3.54 -9.61	62.53 -3.68 -9.65	61.79 -3.73 -8.96	64.68 -3.16 -9.33	65.95 -3.23 -9.37	75.16 -3.50 -7.22	89.74 -4.43 -12.13	85.89 -4.15 -11.72	77.40 -3.35 -9.55	70.39 -2.96 -10.35	65.53 -3.22 -9.13	60.99 -3.73 -8.22	61.93 -2.56 -7.67
SAWYER___23_KV_LOAD 55526	64.03 -4.12 -11.66	62.19 -4.68 -10.54	61.75 -4.50 -9.98	61.96 -4.22 -9.85	62.60 -4.06 -10.22	66.20 -3.17 -12.70	83.03 -3.29 -13.16	89.92 -4.26 -16.74	83.49 -5.63 -10.88	76.66 -4.89 -10.68	70.91 -4.11 -8.77	65.01 -3.54 -9.61	62.53 -3.68 -9.65	61.79 -3.73 -8.96	64.68 -3.16 -9.33	65.95 -3.23 -9.37	75.16 -3.50 -7.22	89.74 -4.43 -12.13	85.89 -4.15 -11.72	77.40 -3.35 -9.55	70.39 -2.96 -10.35	65.53 -3.22 -9.13	60.99 -3.73 -8.22	61.93 -2.56 -7.67
SELKIRK___I 23801	150.15 2.48 -91.16	141.19 2.48 -82.39	136.77 2.47 -78.03	135.69 2.31 -77.05	138.66 2.32 -79.90	158.34 2.32 -99.35	179.07 3.00 -102.90	210.84 3.02 -130.38	166.19 3.21 -84.73	157.10 2.98 -83.26	137.38 2.78 -68.36	136.47 2.65 -74.87	134.34 2.60 -75.18	129.03 2.60 -69.87	133.89 2.69 -72.68	135.48 2.63 -73.04	130.80 3.07 -56.30	180.03 3.44 -94.54	172.99 3.29 -91.39	148.64 2.99 -74.45	146.39 2.71 -80.69	133.43 2.62 -71.18	123.21 2.60 -64.11	119.38 2.56 -60.00
SELKIRK___II 23799	150.92 2.20 -92.22	141.80 2.14 -83.34	137.34 2.14 -78.93	136.29 2.02 -77.94	139.24 1.97 -80.82	159.26 2.10 -100.49	179.89 2.63 -104.09	212.04 2.71 -131.89	166.93 2.97 -85.71	157.82 2.76 -84.20	138.02 2.65 -69.13	137.13 2.48 -75.71	135.02 2.43 -76.03	129.65 2.43 -70.66	134.53 2.51 -73.50	136.12 2.45 -73.86	131.30 2.93 -56.93	180.84 3.20 -95.61	173.78 3.05 -92.42	149.26 2.77 -75.29	147.05 2.45 -81.60	133.99 2.39 -71.99	123.65 2.32 -64.83	119.77 2.28 -60.68
SENECA OSWGO___HYD 24041	61.61 -0.91 -6.02	60.64 -1.13 -5.44	60.24 -1.18 -5.15	60.23 -1.19 -5.09	60.59 -1.13 -5.28	62.27 -0.96 -6.56	79.23 -0.73 -6.79	85.19 -0.93 -8.67	82.63 -1.25 -5.64	75.27 -1.14 -5.53	69.60 -1.19 -4.54	62.68 -1.24 -4.98	60.26 -1.30 -5.00	59.91 -1.30 -4.64	62.06 -1.29 -4.83	63.47 -1.20 -4.86	73.79 -1.36 -3.71	86.71 -1.56 -6.24	82.85 -1.49 -6.03	74.75 -1.35 -4.91	67.12 -1.20 -5.32	63.18 -1.13 -4.70	59.43 -1.30 -4.23	59.47 -1.30 -3.96

SENECA___115KV_TB3 355854	64.80 -3.84 -12.14	62.85 -4.45 -10.97	62.44 -4.22 -10.39	62.70 -3.89 -10.26	63.30 -3.78 -10.64	67.07 -2.83 -13.23	84.08 -2.78 -13.69	91.38 -3.48 -17.43	84.80 -4.77 -11.33	77.88 -4.11 -11.12	72.00 -3.38 -9.13	66.06 -2.89 -10.00	63.55 -3.05 -10.04	62.73 -3.17 -9.33	65.65 -2.57 -9.71	66.94 -2.63 -9.76	76.24 -2.71 -7.52	91.06 -3.61 -12.63	87.23 -3.29 -12.21	78.51 -2.63 -9.94	71.51 -2.27 -10.78	66.51 -2.62 -9.51	61.84 -3.22 -8.56	62.76 -2.05 -7.98
SENECA___ENERGY 23797	65.37 -0.74 -9.61	64.05 -0.96 -8.68	63.43 -1.07 -8.23	63.38 -1.07 -8.12	64.02 -0.85 -8.42	66.75 -0.39 -10.47	84.31 0.29 -10.85	91.35 0.08 -13.84	86.85 -0.39 -8.99	79.34 -0.35 -8.83	73.10 -0.40 -7.25	66.35 -0.53 -7.94	63.74 -0.79 -7.97	63.18 -0.79 -7.41	65.58 -0.64 -7.71	67.14 -0.42 -7.75	77.01 -0.36 -5.93	91.67 -0.33 -9.96	87.63 -0.31 -9.63	78.90 -0.14 -7.84	71.25 -0.25 -8.50	66.71 -0.41 -7.50	62.29 -0.96 -6.75	62.34 -0.80 -6.32
SHOEMAKER___GT 23640	128.83 3.45 -68.89	121.85 3.27 -62.25	118.38 3.15 -58.96	117.81 3.27 -58.22	120.21 3.39 -60.37	135.37 3.63 -75.07	155.82 4.90 -77.76	181.18 5.19 -98.55	147.98 5.39 -64.34	138.80 4.82 -63.11	126.30 4.57 -55.49	121.93 3.89 -59.10	120.00 3.62 -59.82	116.79 3.57 -56.67	117.58 3.80 -55.26	119.40 4.07 -55.52	122.85 5.00 -46.41	162.96 5.74 -75.18	156.29 5.48 -72.50	136.07 4.91 -59.97	130.84 4.34 -63.50	117.66 4.00 -54.05	108.65 3.45 -48.70	105.48 3.41 -45.25
SHOEMAKR_138KV_BK 111 55601	128.38 3.45 -68.44	121.38 3.21 -61.85	118.00 3.15 -58.57	117.49 3.32 -57.84	119.81 3.39 -59.98	134.88 3.63 -74.58	155.32 4.90 -77.25	180.53 5.19 -97.90	147.62 5.48 -63.90	138.53 4.89 -62.77	125.83 4.57 -55.02	121.56 3.95 -58.67	119.54 3.62 -59.36	116.37 3.62 -56.19	117.28 3.80 -54.96	119.03 4.01 -55.21	122.37 5.00 -45.93	162.30 5.74 -74.52	155.67 5.48 -71.87	135.59 4.98 -59.41	130.38 4.41 -62.97	117.30 3.99 -53.69	108.38 3.50 -48.38	105.24 3.47 -44.96
SHOREHAM_IC_1 23715	150.29 7.23 -86.55	148.17 7.10 -84.74	146.80 6.98 -83.55	144.67 7.04 -81.30	146.92 7.28 -83.20	149.90 7.99 -85.24	166.08 9.37 -83.55	191.04 10.76 -102.84	160.95 10.41 -72.30	152.43 9.92 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.77 12.72 -115.02	184.71 12.05 -94.35	160.86 11.04 -78.63	157.85 9.82 -85.03	154.76 8.89 -86.26	149.08 7.62 -84.96	147.63 7.90 -82.91
SHOREHAM_IC_2 23716	150.29 7.23 -86.55	148.17 7.10 -84.74	146.80 6.98 -83.55	144.67 7.04 -81.30	146.92 7.28 -83.20	149.90 7.99 -85.24	166.08 9.37 -83.55	191.04 10.76 -102.84	160.95 10.41 -72.30	152.43 9.92 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.77 12.72 -115.02	184.71 12.05 -94.35	160.86 11.04 -78.63	157.85 9.82 -85.03	154.76 8.89 -86.26	149.08 7.62 -84.96	147.63 7.90 -82.91
SISSONVILLE____ 23735	54.41 -2.09 0.00	54.47 -1.86 0.00	54.42 -1.86 0.00	54.53 -1.80 0.00	54.64 -1.81 0.00	54.23 -2.44 0.00	68.34 -4.83 0.00	72.87 -4.57 0.00	73.71 -4.54 0.00	66.69 -4.18 0.00	62.40 -3.84 0.00	56.29 -2.65 0.00	54.69 -1.87 0.00	54.81 -1.75 0.00	56.24 -2.28 0.00	57.00 -2.81 0.00	67.22 -4.21 0.00	77.36 -4.68 0.00	73.93 -4.39 0.00	67.00 -4.20 0.00	59.22 -3.78 0.00	56.46 -3.16 0.00	54.80 -1.69 0.00	55.06 -1.76 0.00
SITHE_IND_GS1 24169	59.39 -1.81 -4.70	58.60 -1.97 -4.25	58.32 -1.97 -4.02	58.32 -1.97 -3.97	58.64 -1.92 -4.12	60.03 -1.76 -5.12	76.50 -1.97 -5.30	81.96 -2.25 -6.76	80.21 -2.43 -4.40	72.99 -2.20 -4.32	67.66 -2.12 -3.54	60.82 -2.00 -3.88	58.42 -2.03 -3.90	58.20 -1.98 -3.62	60.24 -2.05 -3.77	61.62 -1.97 -3.79	71.98 -2.36 -2.90	84.20 -2.71 -4.87	80.44 -2.58 -4.71	72.68 -2.35 -3.83	65.13 -2.02 -4.15	61.38 -1.91 -3.67	57.82 -1.98 -3.30	57.98 -1.93 -3.09
SITHE_IND_GS2 24170	59.39 -1.81 -4.70	58.60 -1.97 -4.25	58.32 -1.97 -4.02	58.32 -1.97 -3.97	58.64 -1.92 -4.12	60.03 -1.76 -5.12	76.50 -1.97 -5.30	81.96 -2.25 -6.76	80.21 -2.43 -4.40	72.99 -2.20 -4.32	67.66 -2.12 -3.54	60.82 -2.00 -3.88	58.42 -2.03 -3.90	58.20 -1.98 -3.62	60.24 -2.05 -3.77	61.62 -1.97 -3.79	71.98 -2.36 -2.90	84.20 -2.71 -4.87	80.44 -2.58 -4.71	72.68 -2.35 -3.83	65.13 -2.02 -4.15	61.38 -1.91 -3.67	57.82 -1.98 -3.30	57.98 -1.93 -3.09
SITHE_IND_GS3 24171	59.39 -1.81 -4.70	58.60 -1.97 -4.25	58.32 -1.97 -4.02	58.32 -1.97 -3.97	58.64 -1.92 -4.12	60.03 -1.76 -5.12	76.50 -1.97 -5.30	81.96 -2.25 -6.76	80.21 -2.43 -4.40	72.99 -2.20 -4.32	67.66 -2.12 -3.54	60.82 -2.00 -3.88	58.42 -2.03 -3.90	58.20 -1.98 -3.62	60.24 -2.05 -3.77	61.62 -1.97 -3.79	71.98 -2.36 -2.90	84.20 -2.71 -4.87	80.44 -2.58 -4.71	72.68 -2.35 -3.83	65.13 -2.02 -4.15	61.38 -1.91 -3.67	57.82 -1.98 -3.30	57.98 -1.93 -3.09
SITHE_IND_GS4 24172	59.39 -1.81 -4.70	58.60 -1.97 -4.25	58.32 -1.97 -4.02	58.32 -1.97 -3.97	58.64 -1.92 -4.12	60.03 -1.76 -5.12	76.50 -1.97 -5.30	81.96 -2.25 -6.76	80.21 -2.43 -4.40	72.99 -2.20 -4.32	67.66 -2.12 -3.54	60.82 -2.00 -3.88	58.42 -2.03 -3.90	58.20 -1.98 -3.62	60.24 -2.05 -3.77	61.62 -1.97 -3.79	71.98 -2.36 -2.90	84.20 -2.71 -4.87	80.44 -2.58 -4.71	72.68 -2.35 -3.83	65.13 -2.02 -4.15	61.38 -1.91 -3.67	57.82 -1.98 -3.30	57.98 -1.93 -3.09
SITHE___BATAVIA 24024	64.44 -2.43 -10.37	62.94 -2.76 -9.37	62.28 -2.87 -8.88	62.50 -2.59 -8.77	63.05 -2.48 -9.09	66.50 -1.47 -11.30	83.99 -0.87 -11.70	91.02 -1.32 -14.90	85.35 -2.58 -9.68	78.18 -2.20 -9.51	72.19 -1.85 -7.81	65.91 -1.59 -8.55	63.16 -1.98 -8.59	62.62 -1.92 -7.98	65.36 -1.46 -8.30	67.13 -1.02 -8.34	76.55 -1.28 -6.40	91.23 -1.56 -10.75	87.21 -1.49 -10.39	78.60 -1.07 -8.46	71.16 -1.01 -9.17	66.52 -1.19 -8.09	61.70 -2.09 -7.29	62.05 -1.59 -6.82
SITHE___INDEPEND 23800	59.39 -1.81 -4.70	58.60 -1.97 -4.25	58.32 -1.97 -4.02	58.33 -1.97 -3.97	58.64 -1.92 -4.12	60.03 -1.76 -5.12	76.49 -1.98 -5.30	81.96 -2.25 -6.76	80.21 -2.43 -4.40	72.99 -2.20 -4.32	67.67 -2.12 -3.54	60.82 -2.00 -3.88	58.42 -2.04 -3.90	58.15 -2.04 -3.62	60.24 -2.05 -3.77	61.56 -2.03 -3.79	72.00 -2.36 -2.92	84.23 -2.71 -4.90	80.47 -2.58 -4.74	72.71 -2.35 -3.86	65.16 -2.02 -4.18	61.35 -1.97 -3.69	57.85 -1.98 -3.32	58.03 -1.88 -3.09
SITHE___MASSENA 23902	55.26 -1.24 0.00	55.26 -1.07 0.00	55.26 -1.01 0.00	55.32 -1.01 0.00	55.37 -1.07 0.00	55.31 -1.36 0.00	69.80 -3.36 0.00	74.19 -3.25 0.00	75.03 -3.21 0.00	67.89 -2.97 0.00	63.52 -2.72 0.00	57.23 -1.71 0.00	55.48 -1.08 0.00	55.48 -1.08 0.00	57.11 -1.40 0.00	57.42 -2.39 0.00	68.50 -2.93 0.00	78.75 -3.28 0.00	75.18 -3.13 0.00	68.27 -2.92 0.00	60.41 -2.59 0.00	57.36 -2.27 0.00	55.48 -1.02 0.00	55.85 -0.97 0.00
SITHE___OGDNSBRG 24021	55.60 -0.90 0.00	55.65 -0.68 0.00	55.54 -0.73 0.00	55.71 -0.62 0.00	55.77 -0.68 0.00	55.59 -1.08 0.00	70.24 -2.93 0.00	74.81 -2.63 0.00	75.74 -2.50 0.00	68.53 -2.34 0.00	64.12 -2.12 0.00	57.82 -1.12 0.00	56.11 -0.45 0.00	56.16 -0.40 0.00	57.76 -0.76 0.00	58.49 -1.32 0.00	69.01 -2.43 0.00	79.41 -2.63 0.00	75.88 -2.43 0.00	68.78 -2.42 0.00	60.79 -2.20 0.00	57.89 -1.73 0.00	55.88 -0.62 0.00	56.14 -0.68 0.00

SITHE___STERLING 23777	63.35 2.26 -4.59	62.50 2.02 -4.15	62.11 1.91 -3.93	62.23 2.02 -3.88	62.67 2.20 -4.02	64.11 2.44 -5.00	82.22 3.88 -5.18	88.33 3.25 -7.64	86.34 3.13 -4.97	78.37 2.62 -4.88	72.70 2.45 -4.00	65.39 2.06 -4.38	62.72 1.76 -4.40	62.41 1.76 -4.09	64.70 1.93 -4.26	66.30 2.21 -4.28	77.63 3.36 -2.83	90.73 3.94 -4.76	86.75 3.84 -4.60	78.22 3.28 -3.75	69.83 2.77 -4.06	65.71 2.50 -3.58	61.70 1.98 -3.22	61.94 2.10 -3.02
SLEIGHT__34_KV_TB1 80719	64.25 -1.07 -8.83	62.84 -1.46 -7.98	62.36 -1.46 -7.55	62.38 -1.41 -7.46	62.94 -1.24 -7.74	65.61 -0.68 -9.62	83.06 -0.07 -9.96	89.91 -0.23 -12.70	85.64 -0.86 -8.25	78.26 -0.71 -8.10	72.30 -0.60 -6.65	65.64 -0.59 -7.29	62.97 -0.90 -7.32	62.46 -0.90 -6.80	64.89 -0.70 -7.07	66.26 -0.66 -7.11	76.42 -0.50 -5.48	90.67 -0.57 -9.20	86.58 -0.63 -8.89	77.94 -0.50 -7.25	70.35 -0.50 -7.85	65.83 -0.72 -6.93	61.55 -1.19 -6.24	61.83 -0.80 -5.81
SOUTH CAIRO___GT 23612	147.95 3.73 -87.72	139.15 3.55 -79.27	134.84 3.49 -75.08	133.73 3.27 -74.14	136.66 3.33 -76.88	155.95 3.68 -95.59	176.94 4.75 -99.02	207.47 4.57 -125.46	164.63 4.85 -81.54	155.17 4.11 -80.19	135.66 3.57 -65.84	134.42 3.36 -72.11	132.14 3.17 -72.41	127.08 3.22 -67.30	131.91 3.39 -70.00	133.45 3.29 -70.35	130.09 4.43 -54.23	178.27 5.17 -91.06	171.35 5.02 -88.02	147.03 4.13 -71.71	144.37 3.65 -77.72	131.58 3.40 -68.56	121.41 3.16 -61.75	117.79 3.18 -57.79
SOUTH HAMPTN___IC 23720	150.96 7.91 -86.55	148.73 7.66 -84.74	147.37 7.54 -83.55	145.23 7.60 -81.30	147.48 7.84 -83.20	150.47 8.56 -85.24	167.07 10.24 -83.66	192.24 11.54 -103.26	161.85 11.27 -72.34	153.14 10.63 -71.64	153.88 10.20 -77.44	153.35 8.84 -85.57	152.55 8.43 -87.56	152.38 8.37 -87.45	152.68 8.84 -85.32	153.52 9.27 -84.44	157.81 11.28 -75.09	210.75 13.70 -115.02	185.66 13.00 -94.35	161.71 11.89 -78.63	158.61 10.58 -85.03	155.54 9.66 -86.26	149.82 8.36 -84.96	148.25 8.52 -82.91
SOUTHDOW_115KV_TB1 355954	66.77 -2.99 -13.27	64.49 -3.83 -11.99	64.03 -3.60 -11.36	64.84 -2.70 -11.21	65.53 -2.54 -11.63	69.88 -1.25 -14.46	88.14 0.00 -14.97	96.87 0.39 -19.04	89.68 -0.94 -12.37	82.52 -0.50 -12.15	76.35 0.13 -9.98	70.11 0.24 -10.93	67.48 -0.06 -10.97	66.48 -0.28 -10.20	69.59 0.47 -10.61	70.83 0.36 -10.66	80.58 0.93 -8.22	96.49 0.66 -13.80	92.67 1.02 -13.34	83.20 1.14 -10.86	75.78 1.01 -11.77	70.37 0.36 -10.39	65.12 -0.73 -9.36	66.00 0.45 -8.73
SOUTHOLD_69_KV_BK 2 55809	151.70 8.64 -86.55	149.35 8.28 -84.74	147.98 8.16 -83.55	145.86 8.22 -81.30	148.11 8.47 -83.20	151.15 9.24 -85.24	168.09 11.27 -83.66	193.32 12.62 -103.25	162.79 12.21 -72.34	154.22 11.69 -71.66	154.76 11.06 -77.46	154.13 9.61 -85.58	153.25 9.11 -87.58	153.02 8.99 -87.47	153.39 9.54 -85.34	154.26 9.99 -84.46	158.82 12.29 -75.10	212.07 15.01 -115.02	187.00 14.33 -94.35	163.00 13.17 -78.63	159.75 11.72 -85.04	156.50 10.61 -86.26	150.73 9.27 -84.97	149.22 9.49 -82.91
SOUTHOLD___IC 23719	151.70 8.64 -86.55	149.40 8.34 -84.74	147.98 8.16 -83.55	145.86 8.22 -81.30	148.10 8.46 -83.20	151.15 9.24 -85.24	168.08 11.26 -83.66	193.32 12.63 -103.25	162.94 12.36 -72.34	153.99 11.48 -71.64	154.75 11.06 -77.44	154.12 9.61 -85.57	153.23 9.11 -87.56	153.06 9.05 -87.45	153.38 9.54 -85.32	154.30 10.05 -84.44	158.82 12.29 -75.09	212.07 15.01 -115.02	186.99 14.33 -94.35	162.99 13.17 -78.63	159.74 11.71 -85.03	156.55 10.67 -86.26	150.73 9.27 -84.96	149.10 9.37 -82.91
SOUTH_FORK_WT_PWR 323839	151.52 8.47 -86.55	149.23 8.16 -84.74	147.81 7.99 -83.55	145.69 8.05 -81.30	147.99 8.35 -83.20	150.98 9.07 -85.24	167.94 11.12 -83.66	193.09 12.39 -103.26	162.71 12.13 -72.34	153.78 11.27 -71.64	154.61 10.93 -77.44	153.94 9.43 -85.57	153.06 8.93 -87.56	152.83 8.82 -87.45	153.20 9.36 -85.32	154.12 9.87 -84.44	158.61 12.08 -75.09	211.91 14.85 -115.02	186.84 14.18 -94.35	162.85 13.03 -78.63	159.68 11.65 -85.03	156.55 10.67 -86.26	150.73 9.27 -84.96	149.10 9.37 -82.91
SPIERFLS_115KV_TB 1 80737	156.40 4.12 -95.78	146.88 4.00 -86.55	142.36 4.11 -81.97	140.94 3.66 -80.95	144.28 3.89 -83.94	164.84 3.80 -104.37	187.13 5.85 -108.11	220.53 6.12 -136.98	173.60 6.34 -89.02	163.96 5.67 -87.42	143.12 5.10 -71.78	142.10 4.54 -78.62	139.74 4.24 -78.94	134.17 4.24 -73.36	139.28 4.45 -76.31	141.17 4.67 -76.69	136.21 5.64 -59.13	187.98 6.65 -99.30	180.95 6.66 -95.98	155.30 5.91 -78.19	152.97 5.23 -84.74	139.15 4.77 -74.76	128.12 4.29 -67.33	123.76 3.92 -63.01
ST LAWRENCE____ 23600	54.86 -1.64 0.00	54.86 -1.46 0.00	54.92 -1.35 0.00	54.92 -1.41 0.00	54.98 -1.47 0.00	54.91 -1.76 0.00	70.02 -3.14 0.00	74.34 -3.10 0.00	75.19 -3.05 0.00	68.10 -2.76 0.00	63.66 -2.58 0.00	57.00 -1.94 0.00	54.98 -1.58 0.00	54.98 -1.58 0.00	56.70 -1.81 0.00	57.54 -2.27 0.00	68.65 -2.79 0.00	78.92 -3.12 0.00	75.34 -2.98 0.00	68.42 -2.78 0.00	60.54 -2.46 0.00	57.42 -2.20 0.00	55.03 -1.47 0.00	55.34 -1.48 0.00
STATE_CA_115KV_115_LB 55624	152.57 2.49 -93.58	143.26 2.37 -84.57	138.79 2.42 -80.10	137.56 2.14 -79.09	140.55 2.09 -82.02	160.86 2.21 -101.98	181.65 2.85 -105.63	214.22 2.94 -133.84	168.51 3.29 -86.98	159.34 3.05 -85.42	139.36 2.98 -70.13	138.71 2.95 -76.81	136.58 2.88 -77.13	131.13 2.88 -71.68	136.07 2.98 -74.57	137.50 2.75 -74.93	132.43 3.21 -57.78	182.51 3.45 -97.03	175.47 3.37 -93.79	150.59 2.99 -76.40	148.51 2.71 -82.80	135.30 2.62 -73.05	125.00 2.71 -65.79	121.01 2.61 -61.57
STATE_ST_34_KV_LOAD 55959	66.08 0.17 -9.41	64.66 -0.17 -8.51	64.16 -0.17 -8.06	64.11 -0.17 -7.95	64.69 0.00 -8.25	67.27 0.34 -10.26	84.89 1.10 -10.62	92.01 1.01 -13.56	87.76 0.70 -8.81	80.16 0.64 -8.65	73.88 0.53 -7.10	67.02 0.29 -7.78	64.43 0.06 -7.81	63.88 0.06 -7.26	66.19 0.12 -7.55	67.64 0.24 -7.59	77.86 0.57 -5.85	92.60 0.74 -9.83	88.51 0.70 -9.50	79.65 0.71 -7.74	71.95 0.57 -8.38	67.38 0.36 -7.40	63.11 -0.06 -6.66	63.12 0.11 -6.19
STATION 5_MISC_HYD 23604	64.01 -1.52 -9.04	62.64 -1.86 -8.17	62.04 -1.97 -7.73	62.16 -1.80 -7.64	62.67 -1.69 -7.92	65.56 -0.96 -9.85	82.93 -0.44 -10.20	89.58 -0.85 -12.99	84.96 -1.72 -8.44	77.81 -1.35 -8.29	71.92 -1.13 -6.81	65.40 -1.00 -7.45	62.69 -1.36 -7.48	62.22 -1.30 -6.96	64.76 -1.00 -7.24	66.37 -0.72 -7.27	76.08 -0.93 -5.58	90.25 -1.15 -9.36	86.19 -1.17 -9.05	77.72 -0.85 -7.37	70.24 -0.75 -7.99	65.78 -0.89 -7.05	61.33 -1.52 -6.35	61.51 -1.25 -5.94
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	64.97 -0.62 -9.09	63.48 -1.07 -8.22	62.99 -1.07 -7.78	63.06 -0.96 -7.69	63.62 -0.79 -7.97	66.47 -0.11 -9.91	84.16 0.73 -10.26	91.14 0.62 -13.08	86.74 0.00 -8.50	79.22 0.00 -8.35	73.16 0.07 -6.85	66.45 0.00 -7.51	63.70 -0.40 -7.54	63.17 -0.40 -7.00	65.63 -0.18 -7.29	67.07 -0.06 -7.32	77.29 0.21 -5.64	91.84 0.33 -9.48	87.71 0.23 -9.16	78.94 0.28 -7.46	71.27 0.19 -8.09	66.70 -0.06 -7.14	62.36 -0.56 -6.43	62.57 -0.23 -5.98
STA_56_34_KV_BUS2_REV_LBMP_B 345033	63.72 -1.75 -8.97	62.24 -2.20 -8.11	61.81 -2.14 -7.68	61.88 -2.03 -7.58	62.39 -1.92 -7.86	65.25 -1.19 -9.77	82.56 -0.73 -10.12	89.25 -1.08 -12.89	84.82 -1.80 -8.38	77.54 -1.56 -8.23	71.67 -1.32 -6.76	65.17 -1.18 -7.40	62.46 -1.53 -7.43	61.94 -1.53 -6.91	64.47 -1.23 -7.18	65.83 -1.20 -7.22	75.86 -1.14 -5.56	89.99 -1.39 -9.34	85.93 -1.41 -9.03	77.42 -1.14 -7.36	69.90 -1.07 -7.97	65.40 -1.25 -7.03	61.20 -1.64 -6.34	61.58 -1.14 -5.90

STA_56___34_KV_BUS2 355983	63.72 -1.75 -8.97	62.24 -2.20 -8.11	61.81 -2.14 -7.68	61.88 -2.03 -7.58	62.39 -1.92 -7.86	65.25 -1.19 -9.77	82.56 -0.73 -10.12	89.25 -1.08 -12.89	84.82 -1.80 -8.38	77.54 -1.56 -8.23	71.67 -1.32 -6.76	65.17 -1.18 -7.40	62.46 -1.53 -7.43	61.94 -1.53 -6.91	64.47 -1.23 -7.18	65.83 -1.20 -7.22	75.86 -1.14 -5.56	89.99 -1.39 -9.34	85.93 -1.41 -9.03	77.42 -1.14 -7.36	69.90 -1.07 -7.97	65.40 -1.25 -7.03	61.20 -1.64 -6.34	61.58 -1.14 -5.90
STA_67___115KV_BK2 355882	63.83 -1.69 -9.03	62.35 -2.14 -8.16	61.92 -2.08 -7.73	62.04 -1.92 -7.63	62.55 -1.81 -7.91	65.43 -1.08 -9.84	82.70 -0.66 -10.19	89.41 -1.01 -12.98	84.80 -1.88 -8.43	77.52 -1.63 -8.28	71.72 -1.32 -6.80	65.21 -1.18 -7.45	62.57 -1.47 -7.48	61.98 -1.53 -6.95	64.58 -1.17 -7.23	65.94 -1.14 -7.26	75.96 -1.07 -5.60	90.05 -1.39 -9.40	86.07 -1.33 -9.09	77.60 -1.00 -7.40	70.08 -0.94 -8.02	65.51 -1.19 -7.08	61.29 -1.58 -6.38	61.73 -1.02 -5.94
STA_7___115KV_9TRANS 80674	64.24 -1.30 -9.04	62.69 -1.80 -8.17	62.26 -1.74 -7.73	62.33 -1.63 -7.64	62.90 -1.47 -7.92	65.84 -0.68 -9.85	83.22 -0.15 -10.20	90.04 -0.39 -12.99	85.43 -1.25 -8.44	78.17 -0.99 -8.29	72.32 -0.73 -6.81	65.75 -0.65 -7.46	63.03 -1.02 -7.49	62.50 -1.02 -6.96	65.05 -0.70 -7.24	66.42 -0.66 -7.27	76.54 -0.50 -5.61	90.71 -0.74 -9.41	86.71 -0.70 -9.10	78.18 -0.43 -7.41	70.59 -0.44 -8.03	65.99 -0.72 -7.09	61.75 -1.13 -6.38	62.14 -0.63 -5.94
STA_82___115KV_TB1 80780	63.94 -1.64 -9.08	62.45 -2.08 -8.21	62.02 -2.03 -7.77	62.09 -1.92 -7.67	62.60 -1.81 -7.96	65.55 -1.02 -9.90	82.83 -0.59 -10.25	89.56 -0.93 -13.05	84.93 -1.80 -8.48	77.64 -1.56 -8.33	71.82 -1.26 -6.84	65.32 -1.12 -7.49	62.61 -1.47 -7.52	62.08 -1.47 -6.99	64.68 -1.11 -7.27	65.98 -1.14 -7.31	76.00 -1.07 -5.63	90.18 -1.31 -9.46	86.12 -1.33 -9.14	77.65 -1.00 -7.45	70.12 -0.94 -8.07	65.61 -1.13 -7.12	61.39 -1.53 -6.41	61.83 -0.97 -5.97
STEEL___WIND 323596	64.74 -3.90 -12.14	63.07 -4.23 -10.97	62.38 -4.28 -10.39	62.64 -3.94 -10.26	63.24 -3.84 -10.64	67.01 -2.89 -13.23	84.00 -2.85 -13.69	91.23 -3.64 -17.43	84.64 -4.93 -11.33	77.88 -4.11 -11.12	71.93 -3.45 -9.13	66.00 -2.95 -10.00	63.49 -3.11 -10.04	62.67 -3.22 -9.33	65.59 -2.63 -9.71	67.29 -2.27 -9.76	76.07 -2.86 -7.49	90.93 -3.69 -12.58	87.11 -3.37 -12.16	78.40 -2.71 -9.91	71.34 -2.39 -10.74	66.59 -2.50 -9.47	61.58 -3.45 -8.53	62.19 -2.61 -7.98
STEPHTWN_115KV_BK_2 55603	152.12 2.99 -92.62	142.90 2.87 -83.70	138.42 2.87 -79.28	137.20 2.59 -78.28	140.22 2.60 -81.18	160.38 2.78 -100.93	181.45 3.73 -104.55	213.70 3.79 -132.47	168.56 4.23 -86.09	159.31 3.90 -84.54	139.37 3.71 -69.41	138.57 3.60 -76.03	136.35 3.45 -76.34	130.96 3.45 -70.95	135.95 3.63 -73.80	137.38 3.41 -74.16	132.62 4.00 -57.18	182.50 4.43 -96.03	175.37 4.23 -92.83	150.66 3.84 -75.62	148.36 3.40 -81.96	135.26 3.34 -72.30	124.89 3.28 -65.12	120.95 3.18 -60.94
STEBUBEN_REC_LFGE 323667	71.63 -1.36 -16.49	69.48 -1.75 -14.90	68.81 -1.58 -14.11	68.91 -1.35 -13.94	69.88 -1.02 -14.45	74.58 -0.06 -17.97	93.09 1.32 -18.61	102.26 1.16 -23.65	94.01 0.39 -15.37	86.32 0.35 -15.10	79.23 0.60 -12.40	72.93 0.41 -13.58	70.08 -0.11 -13.63	69.00 -0.23 -12.67	72.05 0.35 -13.18	73.65 0.60 -13.24	82.93 1.29 -10.21	100.49 1.31 -17.14	96.29 1.41 -16.57	86.19 1.50 -13.50	78.82 1.20 -14.63	73.24 0.72 -12.91	68.07 -0.06 -11.62	68.35 0.68 -10.84
STILLWATER___SOLAR 323814	155.55 3.73 -95.33	146.13 3.66 -86.15	141.52 3.66 -81.59	140.50 3.61 -80.56	143.72 3.72 -83.55	164.23 3.68 -103.88	186.04 5.27 -107.60	219.27 5.50 -136.33	172.55 5.71 -88.60	163.00 5.11 -87.02	142.40 4.70 -71.45	141.39 4.19 -78.26	139.04 3.90 -78.58	133.55 3.96 -73.03	138.64 4.16 -75.97	140.51 4.36 -76.34	135.49 5.21 -58.85	186.93 6.07 -98.82	179.79 5.95 -95.52	154.36 5.34 -77.82	152.06 4.73 -84.34	138.44 4.41 -74.40	127.52 4.01 -67.01	123.29 3.75 -62.72
STONY___BROOK 24151	149.72 6.66 -86.55	147.60 6.53 -84.74	146.24 6.41 -83.55	144.22 6.59 -81.30	146.35 6.71 -83.20	148.99 7.08 -85.24	163.85 7.68 -83.01	186.44 8.29 -100.71	159.10 8.76 -72.09	151.30 8.79 -71.64	152.17 8.48 -77.44	151.88 7.37 -85.57	151.14 7.01 -87.56	151.02 7.01 -87.45	151.21 7.37 -85.32	151.97 7.72 -84.44	155.81 9.28 -75.09	207.39 10.34 -115.02	182.37 9.71 -94.34	159.02 9.19 -78.63	156.30 8.25 -85.05	153.57 7.69 -86.26	148.41 6.95 -84.96	146.77 7.04 -82.91
STURGEON_POOL_HYD 23609	137.78 4.12 -77.16	129.89 3.83 -69.73	126.03 3.71 -66.04	125.54 4.00 -65.21	128.19 4.12 -67.62	145.29 4.53 -84.08	166.26 6.00 -87.09	194.22 6.43 -110.35	156.77 6.81 -71.72	147.46 6.17 -70.43	129.83 5.76 -57.83	127.05 4.77 -63.33	124.51 4.36 -63.60	119.96 4.30 -59.10	124.56 4.56 -61.48	126.50 4.90 -61.78	125.51 6.21 -47.86	169.72 7.30 -80.38	162.90 6.89 -77.70	140.69 6.19 -63.29	137.14 5.54 -68.60	125.09 4.95 -60.52	115.18 4.18 -54.50	111.97 4.15 -51.01
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	130.73 3.84 -70.39	123.54 3.60 -63.61	120.06 3.55 -60.25	119.53 3.72 -59.49	121.92 3.78 -61.69	137.46 4.08 -76.71	158.03 5.41 -79.45	183.95 5.81 -100.70	150.13 6.10 -65.79	140.95 5.46 -64.63	128.79 5.17 -57.38	124.24 4.42 -60.87	122.37 4.13 -61.68	119.28 4.13 -58.59	119.46 4.33 -56.61	121.23 4.55 -56.88	125.05 5.57 -48.04	165.86 6.40 -77.42	159.06 6.11 -74.64	138.68 5.62 -61.86	133.21 4.91 -65.30	119.44 4.53 -55.28	110.28 3.95 -49.82	106.98 3.92 -46.24
SWANROAD_115KV_TB1 355699	62.71 -4.97 -11.19	60.86 -5.58 -10.11	60.56 -5.29 -9.57	60.77 -5.01 -9.45	61.34 -4.91 -9.80	64.78 -4.08 -12.19	81.25 -4.54 -12.62	87.77 -5.73 -16.06	81.56 -7.12 -10.44	74.88 -6.24 -10.25	69.23 -5.43 -8.42	63.51 -4.66 -9.22	61.07 -4.75 -9.26	60.30 -4.86 -8.60	63.20 -4.27 -8.95	64.44 -4.37 -8.99	73.51 -4.86 -6.93	87.69 -5.99 -11.64	83.93 -5.64 -11.25	75.66 -4.70 -9.17	68.77 -4.16 -9.93	64.09 -4.29 -8.76	59.70 -4.69 -7.89	60.65 -3.52 -7.36
SYNERGY___BIOGAS 323694	64.44 -2.43 -10.37	62.94 -2.76 -9.37	62.28 -2.87 -8.88	62.50 -2.59 -8.77	63.05 -2.48 -9.09	66.50 -1.47 -11.30	83.99 -0.87 -11.70	91.02 -1.32 -14.90	85.35 -2.58 -9.68	78.18 -2.20 -9.51	72.19 -1.85 -7.81	65.91 -1.59 -8.55	63.16 -1.98 -8.59	62.62 -1.92 -7.98	65.36 -1.46 -8.30	67.13 -1.02 -8.34	76.55 -1.28 -6.40	91.23 -1.56 -10.75	87.21 -1.49 -10.39	78.60 -1.07 -8.46	71.16 -1.01 -9.17	66.52 -1.19 -8.09	61.70 -2.09 -7.29	62.05 -1.59 -6.82
SYRACUSE___ENERGY_ST1 323597	64.03 -0.11 -7.65	62.84 -0.39 -6.91	62.42 -0.39 -6.55	62.40 -0.39 -6.46	62.86 -0.28 -6.70	64.89 -0.11 -8.33	82.16 0.37 -8.63	88.72 0.23 -11.05	85.42 0.00 -7.18	77.92 0.00 -7.05	71.97 -0.07 -5.79	65.11 -0.18 -6.34	62.59 -0.34 -6.37	62.08 -0.40 -5.92	64.38 -0.29 -6.16	65.76 -0.24 -6.19	76.06 -0.14 -4.77	89.88 -0.16 -8.01	85.89 -0.16 -7.74	77.43 -0.07 -6.30	69.70 -0.13 -6.83	65.47 -0.18 -6.03	61.53 -0.40 -5.43	61.57 -0.28 -5.03
SYRACUSE___ENERGY_ST2 323598	64.03 -0.11 -7.65	62.84 -0.39 -6.91	62.42 -0.39 -6.55	62.40 -0.39 -6.46	62.86 -0.28 -6.70	64.89 -0.11 -8.33	82.16 0.37 -8.63	88.72 0.23 -11.05	85.42 0.00 -7.18	77.92 0.00 -7.05	71.97 -0.07 -5.79	65.11 -0.18 -6.34	62.59 -0.34 -6.37	62.08 -0.40 -5.92	64.38 -0.29 -6.16	65.76 -0.24 -6.19	76.06 -0.14 -4.77	89.88 -0.16 -8.01	85.89 -0.16 -7.74	77.43 -0.07 -6.30	69.70 -0.13 -6.83	65.47 -0.18 -6.03	61.53 -0.40 -5.43	61.57 -0.28 -5.03

SYRACUSE___POWER 24017	64.38 -0.17 -8.05	63.15 -0.45 -7.27	62.66 -0.51 -6.89	62.62 -0.51 -6.80	63.10 -0.40 -7.05	65.27 -0.17 -8.77	82.54 0.29 -9.09	89.27 0.15 -11.68	85.76 -0.08 -7.59	78.25 -0.07 -7.45	72.30 -0.07 -6.12	65.41 -0.24 -6.70	62.95 -0.34 -6.73	62.42 -0.40 -6.25	64.73 -0.29 -6.51	66.11 -0.24 -6.54	76.40 -0.07 -5.04	90.42 -0.08 -8.46	86.41 -0.08 -8.18	77.79 -0.07 -6.66	70.16 -0.06 -7.22	65.81 -0.18 -6.37	61.79 -0.45 -5.74	61.77 -0.34 -5.29
TALLMAN___138KV_BK151 55660	132.96 4.29 -72.17	125.60 4.06 -65.22	122.04 4.00 -61.77	121.43 4.11 -60.99	123.87 4.18 -63.25	139.85 4.53 -78.65	160.63 6.00 -81.46	187.29 6.50 -103.34	153.68 6.81 -68.63	144.53 6.17 -67.49	133.68 5.83 -61.61	128.85 5.01 -64.89	127.26 4.69 -66.00	124.29 4.64 -63.10	123.14 4.86 -59.76	124.94 5.14 -59.99	130.09 6.29 -52.37	171.07 7.14 -81.90	163.97 6.81 -78.85	143.36 6.27 -65.90	137.67 5.54 -69.13	122.80 5.07 -58.11	113.44 4.46 -52.48	109.38 4.43 -48.12
TEALLAVE_115KV_TB7 355573	62.76 -0.45 -6.71	61.60 -0.79 -6.07	61.17 -0.84 -5.74	61.16 -0.84 -5.67	61.59 -0.73 -5.88	63.48 -0.51 -7.31	80.60 -0.15 -7.58	86.87 -0.39 -9.82	84.08 -0.55 -6.38	76.64 -0.50 -6.27	70.86 -0.53 -5.14	63.99 -0.59 -5.63	61.48 -0.74 -5.66	61.08 -0.74 -5.26	63.34 -0.64 -5.47	64.71 -0.60 -5.50	75.10 -0.57 -4.24	88.50 -0.66 -7.11	84.56 -0.63 -6.88	76.23 -0.57 -5.60	68.56 -0.50 -6.07	64.38 -0.60 -5.36	60.53 -0.79 -4.82	60.55 -0.68 -4.41
TELGRAPH_34_KV_EAST 80808	63.57 -3.62 -10.68	61.82 -4.17 -9.66	61.42 -4.00 -9.14	61.64 -3.72 -9.03	62.20 -3.61 -9.36	65.65 -2.66 -11.64	82.65 -2.56 -12.05	89.46 -3.33 -15.35	83.60 -4.62 -9.97	76.62 -4.04 -9.79	70.91 -3.38 -8.04	64.86 -2.89 -8.81	62.24 -3.17 -8.84	61.56 -3.22 -8.22	64.37 -2.69 -8.55	65.65 -2.75 -8.59	75.20 -2.86 -6.62	89.55 -3.61 -11.12	85.69 -3.37 -10.75	77.18 -2.78 -8.76	70.09 -2.39 -9.49	65.31 -2.68 -8.37	60.82 -3.22 -7.54	61.69 -2.16 -7.03
TEMPLE___115KV_TB 2 55572	62.85 -0.45 -6.81	61.75 -0.73 -6.15	61.31 -0.79 -5.82	61.29 -0.79 -5.75	61.73 -0.68 -5.96	63.63 -0.45 -7.42	80.77 -0.07 -7.68	87.07 -0.31 -9.94	84.23 -0.47 -6.46	76.79 -0.43 -6.34	70.99 -0.46 -5.21	64.12 -0.53 -5.70	61.61 -0.68 -5.73	61.20 -0.68 -5.32	63.47 -0.59 -5.54	64.84 -0.54 -5.56	75.23 -0.50 -4.29	88.67 -0.57 -7.20	84.73 -0.55 -6.96	76.37 -0.50 -5.67	68.70 -0.44 -6.15	64.51 -0.54 -5.42	60.65 -0.73 -4.88	60.67 -0.63 -4.48
TIANA___69_KV_BK 1 55817	150.79 7.74 -86.55	148.56 7.49 -84.74	147.25 7.43 -83.55	145.12 7.49 -81.30	147.37 7.73 -83.20	150.30 8.39 -85.24	166.85 10.02 -83.66	192.00 11.31 -103.26	161.54 10.95 -72.34	153.23 10.70 -71.66	153.77 10.07 -77.46	153.25 8.72 -85.58	152.40 8.26 -87.58	152.23 8.20 -87.47	152.52 8.66 -85.34	153.30 9.03 -84.46	157.61 11.07 -75.10	210.52 13.45 -115.02	185.35 12.69 -94.35	161.51 11.68 -78.63	158.36 10.33 -85.04	155.30 9.42 -86.26	149.66 8.19 -84.97	148.20 8.47 -82.91
TILDEN___115KV_TB1 80814	64.38 -0.17 -8.05	63.15 -0.45 -7.27	62.66 -0.51 -6.89	62.62 -0.51 -6.80	63.10 -0.40 -7.05	65.27 -0.17 -8.77	82.54 0.29 -9.09	89.27 0.15 -11.68	85.76 -0.08 -7.59	78.25 -0.07 -7.45	72.30 -0.07 -6.12	65.41 -0.24 -6.70	62.95 -0.34 -6.73	62.42 -0.40 -6.25	64.73 -0.29 -6.51	66.11 -0.24 -6.54	76.40 -0.07 -5.04	90.42 -0.08 -8.46	86.41 -0.08 -8.18	77.79 -0.07 -6.66	70.16 -0.06 -7.22	65.81 -0.18 -6.37	61.79 -0.45 -5.74	61.77 -0.34 -5.29
TRIGEN___CC 323695	148.76 5.71 -86.55	146.53 5.46 -84.74	145.17 5.35 -83.55	143.10 5.46 -81.30	145.23 5.59 -83.20	147.86 5.95 -85.24	165.33 7.39 -84.78	193.14 8.05 -107.65	159.37 8.37 -72.76	150.54 8.01 -71.66	151.25 7.55 -77.46	151.07 6.54 -85.58	150.31 6.17 -87.58	150.19 6.17 -87.47	150.29 6.44 -85.34	150.97 6.70 -84.46	154.68 8.14 -75.10	206.41 9.35 -115.02	181.59 8.93 -94.35	157.94 8.12 -78.62	155.17 7.18 -84.99	152.56 6.68 -86.26	147.40 5.93 -84.97	145.70 5.97 -82.91
TRINITY___115KV___ 4 BK 55933	151.58 2.26 -92.82	142.35 2.14 -83.88	137.91 2.19 -79.45	136.69 1.92 -78.45	139.72 1.92 -81.36	159.87 2.04 -101.15	180.50 2.56 -104.78	212.83 2.63 -132.75	167.49 2.97 -86.28	158.29 2.69 -84.73	138.46 2.65 -69.57	137.79 2.65 -76.19	135.67 2.60 -76.51	130.27 2.60 -71.10	135.17 2.69 -73.96	136.59 2.45 -74.33	131.67 2.93 -57.31	181.40 3.12 -96.24	174.32 2.98 -93.03	149.69 2.71 -75.79	147.53 2.39 -82.13	134.47 2.38 -72.46	124.24 2.49 -65.26	120.28 2.39 -61.08
UNION___PROCESSING_DRP 323587	63.95 -1.64 -9.09	62.46 -2.08 -8.21	62.03 -2.03 -7.78	62.15 -1.86 -7.68	62.66 -1.75 -7.97	65.56 -1.02 -9.91	82.91 -0.51 -10.26	89.58 -0.93 -13.07	84.94 -1.80 -8.49	77.72 -1.49 -8.34	71.90 -1.19 -6.85	65.32 -1.12 -7.50	62.68 -1.41 -7.53	62.09 -1.47 -7.00	64.68 -1.11 -7.28	66.05 -1.08 -7.32	76.07 -1.00 -5.64	90.19 -1.31 -9.47	86.21 -1.25 -9.15	77.73 -0.93 -7.46	70.20 -0.88 -8.08	65.62 -1.13 -7.13	61.39 -1.53 -6.42	61.83 -0.97 -5.98
UPPER HUDSON___HYD 24058	156.40 4.12 -95.78	146.94 4.06 -86.55	142.35 4.11 -81.97	140.93 3.66 -80.95	144.28 3.89 -83.94	164.84 3.80 -104.37	187.13 5.86 -108.11	220.53 6.12 -136.98	173.60 6.33 -89.02	163.97 5.67 -87.43	143.13 5.10 -71.79	142.11 4.54 -78.63	139.76 4.24 -78.95	134.18 4.24 -73.38	139.29 4.45 -76.33	141.24 4.72 -76.70	136.20 5.64 -59.12	187.97 6.64 -99.29	180.94 6.65 -95.98	155.29 5.91 -78.19	152.96 5.23 -84.74	139.15 4.77 -74.76	128.06 4.24 -67.32	123.70 3.87 -63.01
UPPER RAQUET___HYD 24056	54.41 -2.09 0.00	54.35 -1.97 0.00	54.42 -1.86 0.00	54.52 -1.80 0.00	54.64 -1.81 0.00	54.24 -2.44 0.00	68.33 -4.83 0.00	72.87 -4.57 0.00	73.70 -4.54 0.00	66.69 -4.18 0.00	62.40 -3.84 0.00	56.35 -2.59 0.00	54.70 -1.87 0.00	54.75 -1.81 0.00	56.23 -2.28 0.00	56.46 -3.35 0.00	67.22 -4.21 0.00	77.37 -4.67 0.00	73.93 -4.38 0.00	67.00 -4.20 0.00	59.22 -3.78 0.00	56.23 -3.40 0.00	54.86 -1.64 0.00	55.17 -1.65 0.00
VALLEY44_115KV_TB2 355964	65.10 -4.86 -13.46	63.14 -5.35 -12.16	62.62 -5.18 -11.52	62.86 -4.84 -11.38	63.56 -4.68 -11.80	67.48 -3.85 -14.67	84.40 -3.95 -15.19	92.34 -4.41 -19.31	85.08 -5.71 -12.55	78.23 -4.96 -12.33	72.26 -4.11 -10.12	66.32 -3.71 -11.08	63.85 -3.85 -11.13	62.95 -3.96 -10.34	65.77 -3.51 -10.76	67.15 -3.47 -10.81	76.06 -3.71 -8.33	91.19 -4.84 -14.00	87.46 -4.39 -13.53	78.66 -3.56 -11.02	71.67 -3.28 -11.94	66.64 -3.52 -10.54	61.81 -4.18 -9.49	62.72 -2.95 -8.85
VALLEY___115KV_TB 1-4 80826	58.31 1.81 0.00	58.02 1.69 0.00	57.96 1.69 0.00	58.13 1.80 0.00	58.31 1.86 0.00	58.65 1.98 0.00	76.02 2.85 0.00	80.62 3.18 0.00	81.53 3.29 0.00	73.92 3.05 0.00	69.16 2.91 0.00	61.48 2.53 0.00	58.88 2.32 0.00	58.94 2.38 0.00	61.09 2.57 0.00	62.56 2.75 0.00	74.72 3.29 0.00	85.81 3.77 0.00	81.99 3.68 0.00	74.47 3.28 0.00	65.83 2.83 0.00	62.36 2.74 0.00	58.99 2.49 0.00	59.43 2.61 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	93.97 4.46 -33.01	90.33 4.17 -29.83	88.52 4.00 -28.25	88.56 4.34 -27.90	89.89 4.52 -28.93	97.29 4.65 -35.97	117.30 6.88 -37.26	132.12 7.43 -47.24	116.54 7.59 -30.70	107.89 6.87 -30.15	97.49 6.49 -24.76	91.78 5.72 -27.11	88.99 5.20 -27.23	87.01 5.15 -25.30	90.16 5.33 -26.32	91.76 5.50 -26.45	98.39 6.57 -20.39	123.98 7.71 -34.24	118.92 7.52 -33.09	104.85 6.69 -26.96	98.01 5.80 -29.22	90.58 5.19 -25.78	84.12 4.41 -23.21	83.19 4.66 -21.71

VISCHER___FERRY HYD 24020	153.36 2.88 -93.98	144.07 2.82 -84.93	139.52 2.81 -80.44	138.63 2.87 -79.43	141.69 2.88 -82.37	162.03 2.95 -102.41	183.27 4.02 -106.08	215.95 4.10 -134.41	170.05 4.46 -87.35	160.70 4.04 -85.80	140.39 3.71 -70.44	139.40 3.30 -77.15	137.20 3.17 -77.47	131.73 3.17 -72.00	136.75 3.33 -74.90	138.54 3.47 -75.27	133.59 4.14 -58.02	184.14 4.67 -97.43	177.03 4.54 -94.18	152.05 4.13 -76.72	149.80 3.65 -83.15	136.43 3.46 -73.36	125.78 3.22 -66.06	121.72 3.07 -61.83
V_A_10_SYNC_DSASP 323832	63.23 -3.33 -10.07	61.77 -3.66 -9.10	61.17 -3.72 -8.62	61.29 -3.55 -8.51	61.88 -3.39 -8.82	65.04 -2.61 -10.97	81.90 -2.63 -11.37	88.34 -3.56 -14.46	82.87 -4.78 -9.40	75.98 -4.11 -9.23	70.24 -3.58 -7.58	64.12 -3.13 -8.30	61.61 -3.28 -8.33	61.02 -3.28 -7.74	63.77 -2.81 -8.06	65.40 -2.51 -8.10	74.58 -3.07 -6.21	88.54 -3.94 -10.43	84.72 -3.68 -10.09	76.43 -2.99 -8.22	69.26 -2.64 -8.90	64.80 -2.68 -7.86	60.19 -3.39 -7.07	60.66 -2.78 -6.62
V_CMM_10_SYNC_DSASP 323787	55.03 -1.47 0.00	55.09 -1.24 0.00	55.09 -1.18 0.00	55.14 -1.19 0.00	55.15 -1.30 0.00	55.14 -1.53 0.00	70.39 -2.78 0.00	74.66 -2.78 0.00	75.50 -2.74 0.00	68.39 -2.48 0.00	63.92 -2.32 0.00	57.23 -1.71 0.00	55.20 -1.36 0.00	55.20 -1.36 0.00	56.94 -1.58 0.00	57.84 -1.97 0.00	69.01 -2.43 0.00	79.33 -2.71 0.00	75.65 -2.66 0.00	68.78 -2.42 0.00	60.86 -2.14 0.00	57.66 -1.97 0.00	55.26 -1.24 0.00	55.57 -1.25 0.00
V_CMP_10_SYNC_DSASP 323788	56.33 -0.17 0.00	56.27 -0.06 0.00	56.22 -0.06 0.00	56.38 0.06 0.00	56.61 0.17 0.00	56.90 0.23 0.00	72.21 -0.95 0.00	76.67 -0.77 0.00	77.70 -0.54 0.00	70.38 -0.49 0.00	65.91 -0.33 0.00	58.94 0.00 0.00	56.67 0.11 0.00	56.79 0.23 0.00	58.75 0.24 0.00	59.99 0.18 0.00	71.80 0.36 0.00	82.77 0.74 0.00	79.02 0.70 0.00	71.63 0.43 0.00	63.38 0.38 0.00	59.98 0.36 0.00	57.23 0.73 0.00	57.61 0.80 0.00
V_D_10_SYNC_DSASP 323841	55.26 -1.24 0.00	55.26 -1.07 0.00	55.26 -1.01 0.00	55.32 -1.01 0.00	55.37 -1.07 0.00	55.31 -1.36 0.00	69.87 -3.29 0.00	74.26 -3.18 0.00	75.11 -3.13 0.00	67.96 -2.91 0.00	63.59 -2.65 0.00	57.23 -1.71 0.00	55.48 -1.08 0.00	55.54 -1.02 0.00	57.11 -1.40 0.00	57.48 -2.33 0.00	68.58 -2.86 0.00	78.84 -3.20 0.00	75.26 -3.06 0.00	68.27 -2.92 0.00	60.41 -2.59 0.00	57.42 -2.20 0.00	55.48 -1.02 0.00	55.85 -0.97 0.00
V_E_10_SYNC_DSASP 323830	85.95 5.77 -23.69	82.97 5.24 -21.40	81.50 4.95 -20.27	81.81 5.46 -20.02	83.02 5.82 -20.76	88.83 6.35 -25.81	110.07 10.17 -26.73	122.31 10.92 -33.95	110.95 10.64 -22.06	101.88 9.35 -21.66	92.58 8.55 -17.79	86.14 7.72 -19.48	83.25 7.13 -19.56	81.81 7.07 -18.18	84.86 7.43 -18.91	86.88 8.07 -19.00	96.13 10.07 -14.62	118.65 12.06 -24.55	113.78 11.74 -23.73	100.78 10.25 -19.33	92.51 8.57 -20.95	85.68 7.57 -18.48	79.36 6.22 -16.64	79.04 6.64 -15.58
V_F_30_NSYNC___DSASP 323816	155.81 3.79 -95.53	146.37 3.72 -86.33	141.80 3.77 -81.76	140.72 3.66 -80.74	143.95 3.78 -83.72	164.51 3.74 -104.10	186.41 5.41 -107.83	219.64 5.58 -136.62	172.90 5.87 -88.79	163.32 5.24 -87.21	142.68 4.83 -71.60	141.61 4.25 -78.42	139.32 4.02 -78.75	133.76 4.02 -73.19	138.86 4.22 -76.13	140.74 4.43 -76.50	135.69 5.29 -58.97	187.23 6.16 -99.03	180.07 6.03 -95.73	154.66 5.48 -77.98	152.36 4.85 -84.52	138.66 4.47 -74.56	127.72 4.07 -67.15	123.54 3.87 -62.85
V_F_30_SYNC_DSASP 323786	152.51 2.49 -93.52	143.21 2.37 -84.52	138.74 2.42 -80.04	137.51 2.14 -79.04	140.50 2.09 -81.97	160.80 2.21 -101.91	181.58 2.85 -105.56	214.13 2.94 -133.75	168.46 3.29 -86.93	159.28 3.05 -85.36	139.31 2.98 -70.09	138.66 2.95 -76.76	136.53 2.88 -77.08	131.08 2.88 -71.64	136.02 2.98 -74.52	137.45 2.75 -74.88	132.39 3.21 -57.74	182.45 3.45 -96.96	175.41 3.37 -93.73	150.54 2.99 -76.35	148.46 2.71 -82.75	135.25 2.62 -73.00	124.96 2.71 -65.75	120.97 2.61 -61.53
V_XM_10_SYNC_DSASP 323789	56.33 -0.17 0.00	56.27 -0.06 0.00	56.22 -0.06 0.00	56.38 0.06 0.00	56.61 0.17 0.00	56.90 0.23 0.00	72.21 -0.95 0.00	76.67 -0.77 0.00	77.70 -0.54 0.00	70.38 -0.49 0.00	65.91 -0.33 0.00	58.94 0.00 0.00	56.67 0.11 0.00	56.79 0.23 0.00	58.75 0.24 0.00	59.99 0.18 0.00	71.80 0.36 0.00	82.77 0.74 0.00	79.02 0.70 0.00	71.63 0.43 0.00	63.38 0.38 0.00	59.98 0.36 0.00	57.23 0.73 0.00	57.61 0.80 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	133.52 4.46 -72.56	126.12 4.22 -65.57	122.54 4.16 -62.10	121.93 4.28 -61.32	124.38 4.35 -63.59	140.44 4.70 -79.07	161.29 6.22 -81.90	188.16 6.81 -103.90	154.45 7.12 -69.09	145.20 6.38 -67.95	134.67 6.03 -62.40	129.72 5.19 -65.59	128.18 4.86 -66.76	125.28 4.81 -63.91	123.83 5.09 -60.22	125.58 5.32 -60.45	131.07 6.50 -53.13	172.20 7.38 -82.78	165.12 7.13 -79.68	144.44 6.55 -66.69	138.56 5.73 -69.83	123.40 5.25 -58.54	114.01 4.63 -52.88	109.85 4.60 -48.43
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	136.85 5.20 -75.15	129.13 4.90 -67.90	125.41 4.84 -64.30	124.78 4.96 -63.49	127.37 5.08 -65.85	144.09 5.50 -81.92	165.18 7.17 -84.85	195.24 7.82 -109.97	188.70 8.14 -102.32	180.83 7.37 -102.59	176.25 6.96 -103.05	176.66 6.01 -111.70	178.07 5.66 -115.86	173.61 5.66 -111.39	171.85 5.97 -107.37	172.43 6.16 -106.46	181.23 7.50 -102.30	206.59 8.53 -116.02	196.84 8.07 -110.47	177.55 7.48 -98.87	175.61 6.61 -106.00	162.77 6.08 -97.07	152.54 5.42 -90.62	132.41 5.45 -70.13
W50THST__13_KV_LOAD 356117	137.19 5.54 -75.15	129.41 5.18 -67.90	125.69 5.12 -64.30	125.06 5.24 -63.49	127.66 5.36 -65.85	144.43 5.84 -81.92	165.70 7.68 -84.85	195.78 8.36 -109.97	189.25 8.69 -102.32	181.33 7.87 -102.59	176.71 7.42 -103.05	177.13 6.48 -111.70	178.52 6.11 -115.86	174.00 6.05 -111.39	172.26 6.38 -107.37	172.91 6.64 -106.46	181.81 8.07 -102.30	207.08 9.02 -116.02	197.24 8.46 -110.47	178.05 7.97 -98.87	175.99 6.99 -106.00	163.19 6.50 -97.07	152.88 5.76 -90.62	132.75 5.80 -70.13
WADING RIVER_IC_1 23522	150.23 7.18 -86.55	148.11 7.04 -84.74	146.74 6.92 -83.55	144.67 7.04 -81.30	146.87 7.23 -83.20	149.90 7.99 -85.24	166.20 9.37 -83.67	191.58 10.84 -103.30	160.99 10.41 -72.34	152.43 9.92 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.93 12.88 -115.02	184.80 12.14 -94.35	161.00 11.18 -78.63	157.92 9.89 -85.03	154.82 8.94 -86.26	149.08 7.62 -84.96	147.63 7.90 -82.91
WADING RIVER_IC_2 23547	150.23 7.18 -86.55	148.11 7.04 -84.74	146.74 6.92 -83.55	144.67 7.04 -81.30	146.87 7.23 -83.20	149.90 7.99 -85.24	166.20 9.37 -83.67	191.58 10.84 -103.30	160.99 10.41 -72.34	152.43 9.92 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.93 12.88 -115.02	184.80 12.14 -94.35	161.00 11.18 -78.63	157.92 9.89 -85.03	154.82 8.94 -86.26	149.08 7.62 -84.96	147.63 7.90 -82.91
WADING RIVER_IC_3 23601	150.23 7.18 -86.55	148.11 7.04 -84.74	146.74 6.92 -83.55	144.67 7.04 -81.30	146.87 7.23 -83.20	149.90 7.99 -85.24	166.20 9.37 -83.67	191.58 10.84 -103.30	160.99 10.41 -72.34	152.43 9.92 -71.64	153.09 9.40 -77.44	152.70 8.19 -85.57	151.87 7.75 -87.56	151.76 7.75 -87.45	152.03 8.19 -85.32	152.87 8.61 -84.44	156.96 10.43 -75.09	209.93 12.88 -115.02	184.80 12.14 -94.35	161.00 11.18 -78.63	157.92 9.89 -85.03	154.82 8.94 -86.26	149.08 7.62 -84.96	147.63 7.90 -82.91



WALDENNY_12_KV_BK2 80841	64.70 -3.84 -12.04	62.76 -4.45 -10.88	62.36 -4.22 -10.30	62.56 -3.94 -10.17	63.21 -3.78 -10.55	66.90 -2.89 -13.12	83.96 -2.78 -13.58	91.16 -3.56 -17.28	84.62 -4.85 -11.23	77.79 -4.11 -11.03	71.92 -3.38 -9.06	65.97 -2.89 -9.92	63.47 -3.05 -9.96	62.65 -3.17 -9.26	65.57 -2.57 -9.63	66.85 -2.63 -9.68	76.18 -2.71 -7.46	90.95 -3.61 -12.52	87.13 -3.29 -12.11	78.42 -2.63 -9.86	71.35 -2.33 -10.69	66.43 -2.62 -9.43	61.77 -3.22 -8.49	62.69 -2.05 -7.92
WALDEN___HYDRO 24148	133.87 4.41 -72.96	126.43 4.17 -65.93	122.77 4.05 -62.45	122.21 4.22 -61.66	124.68 4.29 -63.95	140.88 4.70 -79.51	161.81 6.29 -82.35	188.46 6.66 -104.36	153.14 6.96 -67.93	144.18 6.59 -66.72	128.48 6.09 -56.14	125.00 5.19 -60.87	122.61 4.75 -61.30	118.68 4.75 -57.37	121.79 4.97 -58.30	123.72 5.32 -58.59	125.33 6.72 -47.18	168.12 7.88 -78.21	161.36 7.52 -75.53	139.76 6.69 -61.87	135.48 5.98 -66.50	122.92 5.37 -57.93	113.31 4.63 -52.18	110.13 4.60 -48.71
WARRENSBURG___ 23737	156.40 4.12 -95.78	146.94 4.06 -86.55	142.35 4.11 -81.97	140.93 3.66 -80.95	144.28 3.89 -83.94	164.84 3.80 -104.37	187.13 5.86 -108.11	220.53 6.12 -136.98	173.60 6.33 -89.02	163.97 5.67 -87.43	143.13 5.10 -71.79	142.11 4.54 -78.63	139.76 4.24 -78.95	134.18 4.24 -73.38	139.29 4.45 -76.33	141.24 4.72 -76.70	136.20 5.64 -59.12	187.97 6.64 -99.29	180.94 6.65 -95.98	155.29 5.91 -78.19	152.96 5.23 -84.74	139.15 4.77 -74.76	128.06 4.24 -67.32	123.70 3.87 -63.01
WATERSIDE___6 8 9 23538	137.04 5.37 -75.18	129.42 5.18 -67.91	125.65 5.06 -64.31	125.07 5.24 -63.51	127.62 5.31 -65.87	144.19 5.55 -81.96	165.38 7.32 -84.90	196.82 7.90 -111.48	207.93 8.22 -121.47	201.02 7.51 -122.64	197.47 7.15 -124.07	202.34 6.25 -137.15	205.21 5.88 -142.76	199.04 5.83 -136.65	199.96 6.09 -135.35	199.95 6.40 -133.74	203.24 7.72 -124.09	206.95 8.86 -116.05	197.35 8.54 -110.50	186.22 7.76 -107.26	189.44 6.87 -119.57	185.72 6.38 -119.72	175.00 5.59 -112.91	145.10 5.57 -82.71
WATKINRD_115KV_LN8_ILLION 55919	58.14 1.64 0.00	57.91 1.58 0.00	57.85 1.58 0.00	57.96 1.63 0.00	58.14 1.69 0.00	58.48 1.81 0.00	75.73 2.56 0.00	80.23 2.79 0.00	81.14 2.90 0.00	73.49 2.62 0.00	68.69 2.45 0.00	61.07 2.12 0.00	58.54 1.98 0.00	58.54 1.98 0.00	60.62 2.11 0.00	62.08 2.27 0.00	74.15 2.71 0.00	85.16 3.12 0.00	81.37 3.05 0.00	73.90 2.71 0.00	65.33 2.33 0.00	61.83 2.21 0.00	58.48 1.98 0.00	58.92 2.10 0.00
WATSON___69_KV_BK 1 55734	150.51 7.46 -86.55	148.22 7.15 -84.74	146.86 7.03 -83.55	144.79 7.15 -81.30	146.98 7.34 -83.20	149.73 7.82 -85.24	165.97 9.22 -83.58	190.47 10.07 -102.97	160.80 10.25 -72.31	152.59 10.06 -71.66	153.31 9.61 -77.46	152.90 8.37 -85.58	152.06 7.92 -87.58	151.89 7.86 -87.47	152.17 8.31 -85.34	152.94 8.67 -84.46	157.04 10.50 -75.10	209.20 12.14 -115.02	184.18 11.51 -94.35	160.29 10.47 -78.63	157.27 9.26 -85.01	154.53 8.65 -86.26	149.15 7.68 -84.97	147.51 7.78 -82.91
WDELAWARE___HYD 323627	129.25 4.97 -67.78	122.25 4.67 -61.25	118.79 4.50 -58.01	118.39 4.79 -57.28	120.76 4.91 -59.40	135.97 5.44 -73.86	156.98 7.32 -76.50	182.05 7.67 -96.94	149.23 7.98 -63.00	140.17 7.15 -62.15	123.89 6.62 -51.03	120.43 5.60 -55.89	116.19 3.51 -56.12	112.22 3.51 -52.16	116.46 3.69 -54.25	118.40 4.07 -54.52	118.67 5.21 -42.02	158.93 6.32 -70.57	152.48 5.95 -68.21	131.96 5.19 -55.57	129.58 6.36 -60.23	118.48 5.72 -53.13	109.21 4.86 -47.85	106.43 4.83 -44.79
WEST BABYLON___IC 23714	150.11 7.06 -86.55	147.83 6.76 -84.74	146.52 6.70 -83.55	144.39 6.76 -81.30	146.58 6.94 -83.20	149.28 7.37 -85.24	166.04 8.85 -84.02	191.74 9.60 -104.69	160.58 9.86 -72.47	152.17 9.64 -71.66	152.84 9.14 -77.46	152.48 7.96 -85.58	151.66 7.52 -87.58	151.55 7.52 -87.47	151.76 7.90 -85.34	152.52 8.25 -84.46	156.54 10.00 -75.10	208.63 11.57 -115.02	183.63 10.96 -94.35	159.79 9.97 -78.62	156.82 8.82 -85.00	154.05 8.17 -86.26	148.75 7.29 -84.97	147.06 7.33 -82.91
WEST CANADA___HYD 24049	57.35 0.85 0.00	57.17 0.85 0.00	57.06 0.79 0.00	57.17 0.85 0.00	57.34 0.90 0.00	57.63 0.96 0.00	74.48 1.32 0.00	78.91 1.47 0.00	79.81 1.56 0.00	72.21 1.34 0.00	67.50 1.26 0.00	60.06 1.12 0.00	57.52 0.96 0.00	57.52 0.96 0.00	59.57 1.05 0.00	60.94 1.13 0.00	72.79 1.35 0.00	83.59 1.55 0.00	79.80 1.48 0.00	72.55 1.35 0.00	64.13 1.14 0.00	60.70 1.07 0.00	57.46 0.96 0.00	57.78 0.97 0.00
WESTERN_NY_WIND 24143	64.45 -2.54 -10.49	62.66 -3.15 -9.48	62.27 -2.98 -8.98	62.44 -2.76 -8.87	63.05 -2.60 -9.20	66.52 -1.59 -11.44	83.98 -1.02 -11.83	90.97 -1.55 -15.07	85.30 -2.74 -9.80	78.08 -2.41 -9.62	72.15 -1.99 -7.90	65.89 -1.71 -8.65	63.15 -2.09 -8.69	62.54 -2.09 -8.07	65.34 -1.58 -8.40	66.69 -1.56 -8.44	76.51 -1.43 -6.50	91.16 -1.80 -10.92	87.15 -1.72 -10.56	78.52 -1.28 -8.60	71.19 -1.13 -9.32	66.36 -1.49 -8.22	61.82 -2.09 -7.41	62.53 -1.19 -6.90
WESTOVER___LESR 323668	81.22 0.34 -24.39	78.42 0.06 -22.04	77.20 0.06 -20.87	77.05 0.11 -20.61	78.10 0.28 -21.37	83.81 0.57 -26.57	102.08 1.39 -27.53	113.62 1.24 -34.94	101.89 0.94 -22.71	94.02 0.85 -22.30	85.48 0.93 -18.31	79.70 0.71 -20.05	77.15 0.45 -20.13	75.67 0.40 -18.71	78.63 0.64 -19.46	80.15 0.78 -19.56	87.73 1.21 -15.08	108.59 1.23 -25.32	104.04 1.25 -24.47	92.34 1.21 -19.94	85.61 1.01 -21.61	79.46 0.78 -19.06	73.95 0.28 -17.17	73.48 0.63 -16.04
WETHRSFD_WT_PWR 323626	66.97 -3.39 -13.86	65.20 -3.66 -12.53	64.54 -3.60 -11.87	64.67 -3.38 -11.72	65.44 -3.16 -12.15	69.45 -2.33 -15.11	86.76 -2.05 -15.65	94.62 -2.71 -19.89	87.42 -3.75 -12.93	80.45 -3.12 -12.69	74.01 -2.65 -10.42	68.06 -2.30 -11.42	65.42 -2.60 -11.46	64.56 -2.66 -10.65	67.43 -2.16 -11.08	69.21 -1.74 -11.14	77.92 -2.07 -8.56	93.70 -2.71 -14.37	89.77 -2.43 -13.89	80.59 -1.92 -11.31	73.56 -1.70 -12.26	68.59 -1.85 -10.82	63.59 -2.65 -9.74	63.95 -1.99 -9.12
WHAVSTOR_138KV_BK127 55557	133.43 4.29 -72.63	126.02 4.06 -65.64	122.43 4.00 -62.17	121.83 4.11 -61.39	124.28 4.18 -63.66	140.36 4.53 -79.15	161.15 6.00 -81.99	187.96 6.50 -104.02	154.23 6.81 -69.18	145.01 6.09 -68.05	134.63 5.83 -62.55	129.68 5.01 -65.72	128.16 4.69 -66.91	125.27 4.64 -64.07	123.69 4.86 -60.31	125.43 5.08 -60.54	130.94 6.21 -53.29	172.05 7.06 -82.96	164.98 6.81 -79.85	144.31 6.27 -66.85	138.51 5.54 -69.97	123.31 5.07 -58.62	113.92 4.46 -52.95	109.74 4.43 -48.49
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	133.43 4.29 -72.63	126.02 4.06 -65.64	122.43 4.00 -62.17	121.83 4.11 -61.39	124.28 4.18 -63.66	140.36 4.53 -79.15	161.15 6.00 -81.99	187.96 6.50 -104.02	154.23 6.81 -69.18	145.01 6.09 -68.05	134.63 5.83 -62.55	129.68 5.01 -65.72	128.16 4.69 -66.91	125.27 4.64 -64.07	123.69 4.86 -60.31	125.43 5.08 -60.54	130.94 6.21 -53.29	172.05 7.06 -82.96	164.98 6.81 -79.85	144.31 6.27 -66.85	138.51 5.54 -69.97	123.31 5.07 -58.62	113.92 4.46 -52.95	109.74 4.43 -48.49
WHITEHAL_115KV_TB1 80871	157.60 5.42 -95.67	148.08 5.29 -86.46	143.56 5.40 -81.89	142.20 5.01 -80.86	145.60 5.31 -83.85	166.09 5.16 -104.26	189.13 7.98 -107.99	222.63 8.36 -136.83	175.70 8.53 -88.92	165.78 7.58 -87.33	144.83 6.89 -71.70	143.55 6.07 -78.53	141.13 5.71 -78.85	135.50 5.66 -73.29	140.72 5.97 -76.23	142.70 6.28 -76.61	138.07 7.57 -59.06	190.17 8.94 -99.19	183.12 8.93 -95.88	157.28 7.97 -78.11	154.70 7.06 -84.65	140.68 6.38 -74.68	129.52 5.76 -67.26	125.05 5.28 -62.95

WHITEPLN_13_KV_LOAD 356215	136.83 5.42 -74.90	129.03 5.01 -67.69	125.33 4.95 -64.11	124.65 5.01 -63.30	127.23 5.14 -65.65	143.74 5.44 -81.63	165.03 7.32 -84.55	192.83 8.05 -107.34	159.02 8.53 -72.25	149.64 7.65 -71.12	142.42 7.29 -68.89	136.38 6.37 -71.07	135.35 6.00 -72.80	133.18 6.00 -70.63	128.30 6.26 -63.52	130.05 6.52 -63.72	138.77 7.79 -59.55	180.81 9.02 -89.75	173.07 8.54 -86.22	152.02 7.76 -73.06	145.16 6.87 -75.29	127.49 6.32 -61.55	117.72 5.54 -55.68	112.76 5.51 -50.43
WM_FLOYD_69_KV_BK2 356380	150.45 7.40 -86.55	148.22 7.15 -84.74	146.91 7.09 -83.55	144.79 7.15 -81.30	146.98 7.34 -83.20	149.84 7.93 -85.24	166.05 9.29 -83.59	190.82 10.38 -103.00	160.81 10.25 -72.31	152.66 10.13 -71.66	153.24 9.54 -77.46	152.84 8.31 -85.58	152.00 7.86 -87.58	151.83 7.81 -87.47	152.17 8.31 -85.34	152.88 8.61 -84.46	157.04 10.50 -75.10	209.53 12.47 -115.02	184.41 11.75 -94.35	160.65 10.82 -78.63	157.61 9.58 -85.04	154.65 8.76 -86.26	149.21 7.74 -84.97	147.68 7.95 -82.91
WOODARD__115KV_TB2 355635	62.62 -0.62 -6.74	61.52 -0.90 -6.09	61.14 -0.90 -5.77	61.12 -0.90 -5.70	61.56 -0.79 -5.91	63.39 -0.62 -7.35	80.48 -0.29 -7.61	86.76 -0.46 -9.78	83.90 -0.70 -6.36	76.47 -0.64 -6.24	70.71 -0.66 -5.13	63.85 -0.71 -5.62	61.35 -0.85 -5.64	60.95 -0.85 -5.24	63.21 -0.76 -5.45	64.57 -0.72 -5.48	74.94 -0.71 -4.22	88.31 -0.82 -7.09	84.38 -0.78 -6.85	76.07 -0.71 -5.58	68.42 -0.63 -6.05	64.30 -0.66 -5.34	60.46 -0.85 -4.81	60.46 -0.80 -4.43
YORK___WARBASSE 23770	137.27 5.59 -75.18	129.71 5.46 -67.91	125.93 5.35 -64.31	125.30 5.46 -63.51	127.90 5.59 -65.87	144.36 5.72 -81.96	165.67 7.61 -84.90	197.21 8.29 -111.48	208.40 8.69 -121.47	201.45 7.94 -122.64	197.87 7.55 -124.07	202.70 6.60 -137.15	205.49 6.17 -142.76	199.37 6.17 -136.65	200.31 6.44 -135.35	200.31 6.76 -133.74	241.84 8.22 -162.18	334.74 9.52 -243.19	315.28 9.16 -227.80	245.11 8.33 -165.58	240.95 7.31 -170.65	186.08 6.74 -119.72	175.29 5.88 -112.91	145.32 5.80 -82.71