

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

01/19/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1 24138	142.77	143.26	146.51	138.15	132.88	133.14	143.16	141.39	138.22	148.79	168.06	157.96	154.65	156.35	160.66	174.58	190.86	248.72	229.71	225.70	196.23	170.76	177.43	174.33
	6.50	6.27	5.89	6.04	6.12	6.48	6.73	7.68	8.77	8.88	8.87	8.96	8.95	8.74	9.02	12.48	14.30	20.07	18.03	17.84	14.43	11.71	12.25	12.46
	-54.02	-52.29	-57.64	-47.11	-41.75	-41.30	-51.16	-48.36	-40.84	-50.28	-70.50	-60.21	-57.10	-60.19	-62.34	-24.99	-21.06	-0.64	-2.03	-2.68	-15.83	-21.22	-15.83	0.00
74TH STREET_GT_1 24260	142.53	143.01	146.28	137.90	132.54	132.89	142.83	141.06	137.87	148.44	167.72	157.62	154.40	156.10	160.41	174.17	189.94	246.89	228.03	224.07	194.94	170.40	177.01	173.85
	6.25	6.01	5.64	5.78	5.78	6.23	6.39	7.34	8.42	8.52	8.51	8.61	8.68	8.48	8.75	12.07	13.37	18.24	16.35	16.21	13.11	11.30	11.80	11.98
	-54.03	-52.30	-57.65	-47.12	-41.76	-41.31	-51.17	-48.37	-40.85	-50.29	-70.52	-60.22	-57.11	-60.21	-62.35	-25.00	-21.06	-0.64	-2.04	-2.69	-15.87	-21.27	-15.87	0.00
74TH STREET_GT_2 24261	142.53	143.01	146.28	137.90	132.54	132.89	142.83	141.06	137.87	148.44	167.72	157.62	154.40	156.10	160.41	174.17	189.94	246.89	228.03	224.07	194.94	170.40	177.01	173.85
	6.25	6.01	5.64	5.78	5.78	6.23	6.39	7.34	8.42	8.52	8.51	8.61	8.68	8.48	8.75	12.07	13.37	18.24	16.35	16.21	13.11	11.30	11.80	11.98
	-54.03	-52.30	-57.65	-47.12	-41.76	-41.31	-51.17	-48.37	-40.85	-50.29	-70.52	-60.22	-57.11	-60.21	-62.35	-25.00	-21.06	-0.64	-2.04	-2.69	-15.87	-21.27	-15.87	0.00
ADK HUDSON___FALLS 24011	156.78	157.24	162.12	150.96	144.30	144.19	156.59	299.42	322.60	291.71	283.78	298.68	301.42	277.42	269.54	313.83	385.12	247.86	234.08	231.85	249.09	240.40	230.05	175.47
	6.50	6.69	6.56	6.63	6.72	6.83	6.91	5.55	6.03	6.10	6.30	6.57	6.47	6.29	6.61	9.87	11.82	17.10	15.72	15.18	15.27	12.13	12.84	13.60
	-68.03	-65.85	-72.59	-59.32	-52.57	-52.01	-64.42	-208.52	-227.97	-195.98	-188.79	-203.33	-206.35	-183.71	-173.63	-166.85	-217.79	-2.75	-8.71	-11.49	-67.86	-90.44	-67.86	0.00
ADK RESOURCE___RCVRY 23798	157.24	157.79	162.59	151.42	144.76	144.65	157.07	300.48	323.90	292.79	284.79	299.75	302.61	278.46	270.52	315.23	387.21	249.24	235.37	232.93	246.92	241.79	231.41	176.44
	6.91	7.20	6.97	7.05	7.14	7.25	7.33	5.81	6.38	6.46	6.74	6.93	6.92	6.73	7.05	10.56	12.90	18.46	16.97	16.21	12.78	13.10	13.89	14.57
	-68.08	-65.89	-72.64	-59.36	-52.61	-52.05	-64.47	-209.33	-228.91	-196.70	-189.36	-204.03	-207.09	-184.31	-174.17	-167.57	-218.80	-2.77	-8.75	-11.55	-68.18	-90.85	-68.18	0.00
ADK S GLENS___FALLS 24028	156.78	157.24	162.12	150.96	144.30	144.19	156.59	299.42	322.60	291.71	283.78	298.68	301.42	277.42	269.54	313.83	385.12	247.86	234.08	231.85	249.09	240.40	230.05	175.47
	6.50	6.69	6.56	6.63	6.72	6.83	6.91	5.55	6.03	6.10	6.30	6.57	6.47	6.29	6.61	9.87	11.82	17.10	15.72	15.18	15.27	12.13	12.84	13.60
	-68.03	-65.85	-72.59	-59.32	-52.57	-52.01	-64.42	-208.52	-227.97	-195.98	-188.79	-203.33	-206.35	-183.71	-173.63	-166.85	-217.79	-2.75	-8.71	-11.49	-67.86	-90.44	-67.86	0.00
ADK_NYS___DAM 23527	154.18	154.55	159.11	148.50	141.99	141.99	153.95	262.55	279.04	258.59	257.76	265.84	266.99	249.27	244.68	280.64	337.54	247.64	231.93	229.22	229.45	215.95	210.83	173.20
	6.33	6.36	6.14	6.29	6.29	6.48	6.57	7.68	8.24	8.24	8.33	8.16	8.06	7.69	8.21	11.52	12.90	17.56	15.73	15.40	12.45	10.06	10.45	11.33
	-65.59	-63.49	-69.99	-57.20	-50.69	-50.15	-62.11	-169.52	-182.19	-160.72	-160.73	-168.89	-170.32	-154.16	-147.17	-132.01	-169.14	-2.07	-6.55	-8.64	-51.04	-68.06	-51.04	0.00
AIR_PRODUCTS___DRP 24190	151.61	152.05	156.78	145.97	139.53	139.34	151.26	221.83	230.64	221.63	228.63	229.72	229.20	218.68	216.54	239.79	281.44	236.95	221.34	218.60	211.27	196.42	195.66	168.18
	3.54	3.64	3.57	3.57	3.66	3.67	3.67	4.01	4.34	4.66	4.26	4.08	4.08	4.20	3.93	4.80	4.98	7.30	6.50	6.57	4.81	4.55	5.82	6.31
	-65.82	-63.71	-70.23	-57.39	-50.86	-50.32	-62.33	-132.47	-137.69	-127.33	-135.68	-136.85	-136.52	-127.07	-123.31	-97.89	-120.96	-1.64	-5.20	-6.86	-40.49	-54.04	-40.49	0.00
AKWESSNE_115KV_BK 355683	80.60	83.09	81.40	83.48	83.48	83.30	83.31	83.30	85.77	86.59	85.94	86.03	85.95	85.23	86.53	134.91	152.86	225.04	207.13	202.51	163.97	136.45	147.70	160.25
	-1.64	-1.61	-1.58	-1.53	-1.53	-2.05	-1.96	-2.05	-2.84	-3.05	-2.75	-2.75	-2.66	-2.19	-2.77	-2.19	-2.64	-2.96	-2.52	-2.67	-1.99	-1.38	-1.64	-1.62
	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	151.27	151.86	156.46	145.90	139.48	139.40	151.02	195.89	199.73	197.69	210.05	206.82	205.26	199.13	199.51	217.67	250.51	240.07	223.53	220.41	206.93	188.39	189.81	170.44
	4.36	4.57	4.48	4.50	4.50	4.61	4.52	4.44	4.60	4.57	4.34	4.35	4.43	4.46	4.55	6.45	7.31	10.72	9.65	9.65	7.97	6.48	7.46	8.57
	-64.67	-62.59	-69.00	-56.39	-49.97	-49.44	-61.24	-106.11	-106.52	-103.49	-117.02	-113.68	-112.23	-107.26	-105.66	-74.12	-87.69	-1.34	-4.24	-5.59	-33.00	-44.07	-33.00	0.00
ALBANY_2_SOLAR 323834	151.20	151.78	156.47	145.91	139.49	139.32	150.94	195.86	199.68	197.66	210.03	206.79	205.23	199.11	199.49	217.64	250.45	240.07	223.53	220.41	206.75	188.24	189.65	170.28
	4.27	4.49	4.48	4.50	4.50	4.52	4.43	4.44	4.60	4.57	4.34	4.35	4.43	4.46	4.55	6.45	7.31	10.72	9.65	9.65	7.80	6.34	7.32	8.41
	-64.67	-62.60	-69.01	-56.40	-49.98	-49.45	-61.24	-106.07	-106.47	-103.45	-117.00	-113.65	-112.20	-107.24	-105.63	-74.08	-87.64	-1.34	-4.23	-5.59	-32.99	-44.06	-32.99	0.00
ALBANY___1 23571	151.61	152.05	156.78	145.97	139.53	139.34	151.26	221.83	230.64	221.63	228.63	229.72	229.20	218.68	216.54	239.79	281.44	236.95	221.34	218.60	211.27	196.42	195.66	168.18
	3.54	3.64	3.57	3.57	3.66	3.67	3.67	4.01	4.34	4.66	4.26	4.08	4.08	4.20	3.93	4.80	4.98	7.30	6.50	6.57	4.81	4.55	5.82	6.31
	-65.82	-63.71	-70.23	-57.39	-50.86	-50.32	-62.33	-132.47	-137.69	-127.33	-135.68	-136.85	-136.52	-127.07	-123.31	-97.89	-120.96	-1.64	-5.20	-6.86	-40.49	-54.04	-40.49	0.00



ALBANY___2 23572	151.61 3.54 -65.82	152.05 3.64 -63.71	156.78 3.57 -70.23	145.97 3.57 -57.39	139.53 3.66 -50.86	139.34 3.67 -50.32	151.26 3.67 -62.33	221.83 4.01 -132.47	230.64 4.34 -137.69	221.63 4.66 -127.33	228.63 4.26 -135.68	229.72 4.08 -136.85	229.20 4.08 -136.52	218.68 4.20 -127.07	216.54 3.93 -123.31	239.79 4.80 -97.89	281.44 4.98 -120.96	236.95 7.30 -1.64	221.34 6.50 -5.20	218.60 6.57 -6.86	211.27 4.81 -40.49	196.42 4.55 -54.04	195.66 5.82 -40.49	168.18 6.31 0.00
ALBANY___3 23573	151.61 3.54 -65.82	152.05 3.64 -63.71	156.78 3.57 -70.23	145.97 3.57 -57.39	139.53 3.66 -50.86	139.34 3.67 -50.32	151.26 3.67 -62.33	221.83 4.01 -132.47	230.64 4.34 -137.69	221.63 4.66 -127.33	228.63 4.26 -135.68	229.72 4.08 -136.85	229.20 4.08 -136.52	218.68 4.20 -127.07	216.54 3.93 -123.31	239.79 4.80 -97.89	281.44 4.98 -120.96	236.95 7.30 -1.64	221.34 6.50 -5.20	218.60 6.57 -6.86	211.27 4.81 -40.49	196.42 4.55 -54.04	195.66 5.82 -40.49	168.18 6.31 0.00
ALBANY___4 23574	151.61 3.54 -65.82	152.05 3.64 -63.71	156.78 3.57 -70.23	145.97 3.57 -57.39	139.53 3.66 -50.86	139.34 3.67 -50.32	151.26 3.67 -62.33	221.83 4.01 -132.47	230.64 4.34 -137.69	221.63 4.66 -127.33	228.63 4.26 -135.68	229.72 4.08 -136.85	229.20 4.08 -136.52	218.68 4.20 -127.07	216.54 3.93 -123.31	239.79 4.80 -97.89	281.44 4.98 -120.96	236.95 7.30 -1.64	221.34 6.50 -5.20	218.60 6.57 -6.86	211.27 4.81 -40.49	196.42 4.55 -54.04	195.66 5.82 -40.49	168.18 6.31 0.00
ALBANY___LFGE 323615	152.81 4.11 -66.45	153.25 4.23 -64.32	158.03 4.15 -70.91	147.12 4.16 -57.95	140.61 4.25 -51.35	140.42 4.27 -50.81	152.45 4.26 -62.93	247.28 4.69 -157.24	260.76 5.05 -167.11	244.68 5.38 -149.66	246.56 4.96 -152.90	252.21 4.97 -158.45	252.88 5.05 -159.23	237.85 4.98 -145.46	233.75 4.82 -139.63	263.92 6.45 -120.37	315.07 7.00 -152.56	239.56 9.57 -1.98	224.70 8.80 -6.25	222.04 8.62 -8.25	221.78 7.13 -48.69	208.69 5.92 -64.94	205.05 7.02 -48.69	169.64 7.77 0.00
ALCOA_PA_115KV_PL-6C 55860	80.69 -1.56 0.00	83.26 -1.44 0.00	81.49 -1.49 0.00	83.73 -1.28 0.00	83.56 -1.45 0.00	83.30 -2.05 0.00	83.22 -2.05 0.00	83.22 -2.13 0.00	85.42 -3.19 0.00	85.78 -3.85 0.00	85.41 -3.28 0.00	85.32 -3.46 0.00	85.24 -3.37 0.00	85.14 -2.27 0.00	85.91 -3.39 0.00	134.91 -2.19 0.00	152.71 -2.80 0.00	225.04 -2.96 0.00	207.13 -2.52 0.00	202.51 -2.67 0.00	164.14 -1.83 0.00	136.59 -1.24 0.00	148.00 -1.34 0.00	160.74 -1.13 0.00
ALCOA_RYNLDS___DRP 24188	80.69 -1.56 0.00	83.26 -1.44 0.00	81.49 -1.49 0.00	83.73 -1.28 0.00	83.56 -1.45 0.00	83.30 -2.05 0.00	83.22 -2.05 0.00	83.22 -2.13 0.00	85.42 -3.19 0.00	85.78 -3.85 0.00	85.41 -3.28 0.00	85.32 -3.46 0.00	85.24 -3.37 0.00	85.14 -2.27 0.00	85.91 -3.39 0.00	134.91 -2.19 0.00	152.71 -2.80 0.00	225.04 -2.96 0.00	207.13 -2.52 0.00	202.51 -2.67 0.00	164.14 -1.83 0.00	136.59 -1.24 0.00	148.00 -1.34 0.00	160.74 -1.13 0.00
ALCOA___DSASP 323711	80.68 -1.57 0.00	83.26 -1.44 0.00	81.49 -1.49 0.00	83.74 -1.27 0.00	83.56 -1.45 0.00	83.30 -2.05 0.00	83.22 -2.05 0.00	83.22 -2.13 0.00	85.42 -3.19 0.00	85.78 -3.85 0.00	85.50 -3.19 0.00	85.59 -3.19 0.00	85.50 -3.10 0.00	85.14 -2.27 0.00	85.91 -3.39 0.00	134.91 -2.20 0.00	152.86 -2.64 0.00	225.04 -2.97 0.00	207.14 -2.51 0.00	202.50 -2.67 0.00	164.14 -1.82 0.00	136.59 -1.24 0.00	148.00 -1.35 0.00	160.74 -1.13 0.00
ALLEGHENY___COGEN 23514	93.88 2.06 -9.57	95.74 1.78 -9.26	95.01 1.82 -10.21	95.05 1.70 -8.35	94.10 1.70 -7.40	94.97 2.31 -7.32	96.71 2.38 -9.06	92.91 1.88 -5.69	96.96 2.48 -5.87	99.83 1.79 -8.40	102.38 1.07 -12.62	99.84 0.80 -10.26	98.98 0.80 -9.57	98.41 0.35 -10.64	101.37 0.80 -11.27	139.38 -0.68 -2.96	156.74 1.24 0.00	227.90 -0.23 -0.12	209.39 -0.63 -0.37	204.65 -1.02 -0.49	166.70 -2.16 -2.91	139.66 -2.06 -3.89	151.05 -1.20 -2.91	161.06 -0.81 0.00
ALTAMONT_115KV_TB 2 55880	151.44 3.45 -65.74	151.89 3.56 -63.63	156.69 3.57 -70.15	145.90 3.57 -57.33	139.47 3.66 -50.80	139.28 3.67 -50.26	151.18 3.67 -62.25	196.51 3.67 -107.49	200.50 4.08 -107.82	198.61 4.12 -104.85	211.37 3.99 -118.69	208.01 4.00 -115.23	206.33 3.99 -113.73	200.10 3.93 -108.75	200.47 4.02 -107.15	217.45 5.35 -75.00	250.07 5.91 -88.66	238.29 8.89 -1.39	222.01 7.97 -4.40	218.98 8.00 -5.80	206.54 6.31 -34.27	188.98 5.38 -45.77	189.59 5.97 -34.27	168.34 6.47 0.00
ALTONA_WT_PWR 323606	80.27 -1.97 0.00	82.84 -1.86 0.00	81.15 -1.83 0.00	83.56 -1.45 0.00	83.74 -1.27 0.00	83.64 -1.71 0.00	83.31 -1.96 0.00	83.39 -1.96 0.00	86.13 -2.48 0.00	87.30 -2.33 0.00	86.82 -1.87 0.00	87.01 -1.78 0.00	86.92 -1.69 0.00	86.02 -1.40 0.00	87.42 -1.88 0.00	136.00 -1.10 0.00	154.10 -1.40 0.00	227.10 -0.91 0.00	209.02 -0.63 0.00	204.36 -0.82 0.00	165.47 -0.50 0.00	137.42 -0.41 0.00	148.60 -0.74 0.00	162.19 0.32 0.00
AMERICAN_REF_FUEL 24010	85.47 -5.34 -8.56	87.32 -5.67 -8.29	86.47 -5.65 -9.14	86.35 -6.12 -7.47	85.59 -6.03 -6.62	86.61 -5.29 -6.55	86.98 -6.40 -8.11	82.50 -7.94 -5.09	86.00 -7.80 -5.19	88.76 -8.33 -7.46	91.05 -8.87 -11.23	89.11 -8.79 -9.12	88.34 -8.77 -8.51	88.05 -8.83 -9.46	90.66 -8.66 -10.02	122.57 -17.14 -2.61	136.22 -19.29 0.00	195.07 -33.06 -0.12	178.75 -31.24 -0.34	175.26 -30.36 -0.45	143.14 -25.39 -2.57	120.73 -20.54 -3.44	132.35 -19.56 -2.57	142.93 -18.94 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	89.99 -1.81 -9.55	91.91 -2.03 -9.25	91.18 -1.99 -10.19	90.96 -2.38 -8.33	90.18 -2.21 -7.38	91.20 -1.45 -7.30	92.18 -2.13 -9.05	87.52 -3.50 -5.68	91.35 -3.10 -5.85	94.60 -3.41 -8.37	97.28 -3.99 -12.58	95.20 -3.82 -10.23	94.34 -3.81 -9.54	93.92 -4.11 -10.61	96.79 -3.75 -11.23	132.24 -7.81 -2.94	146.80 -8.71 0.00	210.35 -17.78 -0.12	192.62 -17.40 -0.37	188.85 -16.82 -0.49	154.58 -14.27 -2.90	129.85 -11.85 -3.88	142.68 -9.56 -2.90	152.97 -8.90 0.00
ARTHUR KILL_GT_1 23520	442.78 6.50 -354.03	371.02 6.10 -280.22	370.93 5.65 -282.31	512.99 5.86 -422.12	370.99 5.95 -280.04	393.14 5.97 -301.82	412.92 5.80 -321.86	410.04 6.57 -318.12	436.80 7.35 -340.85	672.28 7.35 -575.29	466.66 7.45 -370.52	410.42 7.54 -314.10	678.25 7.53 -582.11	412.14 7.52 -317.21	684.42 7.77 -587.35	389.97 10.42 -242.45	488.71 12.14 -321.06	545.52 16.87 -300.64	602.19 15.51 -377.03	389.97 15.18 -169.61	390.30 12.45 -211.88	469.53 10.47 -321.22	551.53 11.34 -390.84	474.02 12.15 -300.00
ARTHUR_KILL_2 23512	442.53 6.25 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	392.88 5.72 -301.82	412.66 5.54 -321.86	409.79 6.32 -318.12	436.55 7.09 -340.85	672.00 7.08 -575.29	466.39 7.18 -370.52	410.16 7.28 -314.10	677.99 7.27 -582.11	411.87 7.25 -317.21	684.16 7.50 -587.35	389.56 10.00 -242.45	488.08 11.51 -321.06	544.84 16.19 -300.64	601.35 14.67 -377.03	389.35 14.57 -169.61	389.63 11.78 -211.88	469.11 10.06 -321.22	551.08 10.90 -390.84	473.53 11.66 -300.00
ARTHUR_KILL_3 23513	441.70 5.43 -354.03	370.17 5.25 -280.22	370.09 4.81 -282.30	512.13 5.01 -422.11	370.05 5.01 -280.03	392.63 5.47 -301.81	412.83 5.71 -321.85	410.21 6.74 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.51	410.87 7.99 -314.09	678.70 7.98 -582.11	412.40 7.78 -317.20	684.78 8.13 -587.35	390.53 10.97 -242.45	489.16 12.59 -321.07	546.21 17.56 -300.65	602.41 15.73 -377.04	390.59 15.80 -169.61	390.63 12.78 -211.89	469.26 10.20 -321.23	550.63 10.45 -390.84	472.38 10.52 -300.00



ARTHUR_KILL_COGEN 323718	442.78 6.50 -354.03	371.02 6.10 -280.22	370.93 5.65 -282.31	512.99 5.86 -422.12	370.99 5.95 -280.04	393.14 5.97 -301.82	412.92 5.80 -321.86	410.04 6.57 -318.12	436.80 7.35 -340.85	672.28 7.35 -575.29	466.66 7.45 -370.52	410.42 7.54 -314.10	678.25 7.53 -582.11	412.14 7.52 -317.21	684.42 7.77 -587.35	389.97 10.42 -242.45	488.71 12.14 -321.06	545.52 16.87 -300.64	602.19 15.51 -377.03	389.97 15.18 -169.61	390.30 12.45 -211.88	469.53 10.47 -321.22	551.53 11.34 -390.84	474.02 12.15 -300.00
ASHOKAN____ 23654	145.05 2.47 -60.33	145.55 2.46 -58.40	149.60 2.24 -64.38	139.74 2.13 -52.61	133.59 1.96 -46.62	133.86 2.39 -46.13	144.95 2.56 -57.13	176.23 3.07 -87.81	178.52 3.89 -86.02	179.91 3.76 -86.52	193.94 3.64 -101.61	188.93 3.73 -96.42	187.04 3.89 -94.54	183.17 3.84 -91.91	185.06 4.37 -91.38	201.77 5.76 -58.91	229.83 7.00 -67.32	239.39 10.27 -1.11	221.97 8.80 -3.52	218.04 8.22 -4.65	199.71 6.30 -27.45	179.88 5.37 -36.68	182.02 5.22 -27.45	174.50 12.63 0.00
ASTORIA_EAST_ENERGY_CC1 323581	141.63 5.34 -54.03	141.82 4.83 -52.30	145.02 4.39 -57.65	136.70 4.59 -47.11	131.61 4.84 -41.76	131.69 5.03 -41.30	141.54 5.12 -51.16	140.02 6.32 -48.36	136.80 7.35 -40.84	147.27 7.35 -50.28	166.91 7.71 -70.51	156.82 7.81 -60.22	153.52 7.80 -57.11	155.75 8.13 -60.21	159.70 8.04 -62.35	172.51 10.42 -24.99	188.37 11.81 -21.06	244.83 16.19 -0.64	226.55 14.89 -2.02	222.63 14.78 -2.67	193.75 11.96 -15.83	168.83 9.79 -21.22	175.33 10.16 -15.83	172.72 10.85 0.00
ASTORIA_EAST_ENERGY_CC2 323582	141.63 5.34 -54.03	141.82 4.83 -52.30	145.02 4.39 -57.65	136.70 4.59 -47.11	131.61 4.84 -41.76	131.69 5.03 -41.30	141.54 5.12 -51.16	140.02 6.32 -48.36	136.80 7.35 -40.84	147.27 7.35 -50.28	167.01 7.81 -70.51	156.82 7.81 -60.22	153.52 7.80 -57.11	155.75 8.13 -60.21	159.70 8.04 -62.35	172.51 10.42 -24.99	188.37 11.81 -21.06	244.83 16.19 -0.64	226.55 14.89 -2.02	222.63 14.78 -2.67	193.75 11.96 -15.83	168.83 9.79 -21.22	175.33 10.16 -15.83	172.72 10.85 0.00
ASTORIA_GT2_1 24094	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT2_2 24095	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT2_3 24096	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT2_4 24097	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT3_1 24098	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT3_2 24099	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT3_3 24100	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT3_4 24101	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT4_1 24102	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT4_2 24103	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT4_3 24104	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00



ASTORIA_GT4_4 24105	141.71 5.43 -54.03	141.91 4.91 -52.30	145.11 4.48 -57.65	136.71 4.59 -47.12	131.61 4.85 -41.76	131.70 5.04 -41.31	141.63 5.20 -51.17	140.03 6.32 -48.37	136.81 7.35 -40.85	147.36 7.44 -50.29	166.83 7.63 -70.52	156.91 7.90 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.69 8.04 -62.35	172.66 10.56 -25.00	187.61 11.04 -21.06	243.24 14.59 -0.64	224.89 13.21 -2.04	220.79 12.93 -2.69	192.45 10.62 -15.87	169.02 9.92 -21.27	175.37 10.16 -15.87	172.88 11.01 0.00
ASTORIA_GT_1 23523	141.88 5.60 -54.03	142.00 5.00 -52.30	145.19 4.56 -57.65	136.87 4.76 -47.11	131.78 5.01 -41.76	131.86 5.21 -41.30	141.80 5.38 -51.16	140.19 6.48 -48.36	136.97 7.53 -40.84	147.53 7.61 -50.28	167.18 7.99 -70.51	157.00 7.99 -60.22	153.70 7.98 -57.11	155.93 8.31 -60.21	159.87 8.21 -62.35	172.93 10.83 -24.99	188.84 12.28 -21.06	245.52 16.87 -0.64	226.96 15.30 -2.02	223.03 15.18 -2.67	194.07 12.28 -15.83	169.25 10.20 -21.22	175.62 10.45 -15.83	173.03 11.16 0.00
ASTORIA_GT_10 24110	142.20 5.92 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.54 11.97 -21.06	244.84 16.19 -0.64	226.15 14.47 -2.04	222.23 14.36 -2.69	193.45 11.62 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
ASTORIA_GT_11 24225	142.20 5.92 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.54 11.97 -21.06	244.84 16.19 -0.64	226.15 14.47 -2.04	222.23 14.36 -2.69	193.45 11.62 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
ASTORIA_GT_12 24226	142.20 5.92 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.54 11.97 -21.06	244.84 16.19 -0.64	226.15 14.47 -2.04	222.23 14.36 -2.69	193.45 11.62 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
ASTORIA_GT_13 24227	142.20 5.92 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.54 11.97 -21.06	244.84 16.19 -0.64	226.15 14.47 -2.04	222.23 14.36 -2.69	193.45 11.62 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
ASTORIA_GT_5 24106	141.87 5.59 -54.03	142.00 5.00 -52.30	145.20 4.56 -57.65	136.88 4.76 -47.12	131.78 5.02 -41.76	131.87 5.21 -41.31	141.80 5.37 -51.17	140.20 6.49 -48.37	136.99 7.53 -40.85	147.45 7.53 -50.29	167.01 7.80 -70.52	157.00 7.99 -60.22	154.14 8.42 -57.11	155.93 8.30 -60.21	159.87 8.22 -62.35	172.94 10.83 -25.00	187.92 11.35 -21.06	243.70 15.05 -0.64	225.31 13.63 -2.04	221.20 13.34 -2.69	192.78 10.95 -15.87	169.30 10.20 -21.27	175.67 10.45 -15.87	173.20 11.33 0.00
ASTORIA_GT_7 24107	141.87 5.59 -54.03	142.00 5.00 -52.30	145.20 4.56 -57.65	136.88 4.76 -47.12	131.78 5.02 -41.76	131.87 5.21 -41.31	141.80 5.37 -51.17	140.20 6.49 -48.37	136.99 7.53 -40.85	147.45 7.53 -50.29	167.01 7.80 -70.52	157.00 7.99 -60.22	154.14 8.42 -57.11	155.93 8.30 -60.21	159.87 8.22 -62.35	172.94 10.83 -25.00	187.92 11.35 -21.06	243.70 15.05 -0.64	225.31 13.63 -2.04	221.20 13.34 -2.69	192.78 10.95 -15.87	169.30 10.20 -21.27	175.67 10.45 -15.87	173.20 11.33 0.00
ASTORIA_GT_8 24108	141.87 5.59 -54.03	142.00 5.00 -52.30	145.20 4.56 -57.65	136.88 4.76 -47.12	131.78 5.02 -41.76	131.87 5.21 -41.31	141.80 5.37 -51.17	140.20 6.49 -48.37	136.99 7.53 -40.85	147.45 7.53 -50.29	167.01 7.80 -70.52	157.00 7.99 -60.22	154.14 8.42 -57.11	155.93 8.30 -60.21	159.87 8.22 -62.35	172.94 10.83 -25.00	187.92 11.35 -21.06	243.70 15.05 -0.64	225.31 13.63 -2.04	221.20 13.34 -2.69	192.78 10.95 -15.87	169.30 10.20 -21.27	175.67 10.45 -15.87	173.20 11.33 0.00
ASTORIA___2 24149	141.71 5.43 -54.03	141.91 4.91 -52.30	145.10 4.48 -57.65	136.70 4.59 -47.11	131.61 4.84 -41.76	131.69 5.03 -41.30	141.63 5.20 -51.16	140.02 6.32 -48.36	136.80 7.35 -40.84	147.35 7.44 -50.28	167.01 7.81 -70.51	156.82 7.81 -60.22	153.60 7.88 -57.11	155.75 8.13 -60.21	159.70 8.04 -62.35	172.66 10.56 -24.99	188.54 11.97 -21.06	245.07 16.43 -0.64	226.55 14.89 -2.02	222.63 14.78 -2.67	193.75 11.96 -15.83	168.98 9.93 -21.22	175.33 10.16 -15.83	172.72 10.85 0.00
ASTORIA___3 23516	142.21 5.93 -54.03	142.59 5.59 -52.30	145.78 5.15 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.88 -40.85	147.90 7.97 -50.29	167.28 8.07 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	160.05 8.39 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.53 11.66 0.00
ASTORIA___4 23517	142.20 5.92 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.54 11.97 -21.06	244.84 16.19 -0.64	226.15 14.47 -2.04	222.23 14.36 -2.69	193.45 11.62 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
ASTORIA___5 23518	142.21 5.93 -54.03	142.59 5.59 -52.30	145.78 5.15 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.88 -40.85	147.90 7.97 -50.29	167.28 8.07 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	160.05 8.39 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.53 11.66 0.00
AST_ENERGY_2_CC3 323677	135.11 5.51 -47.35	132.11 5.34 -42.07	132.11 4.98 -44.15	132.11 5.10 -42.00	131.86 5.10 -41.75	132.11 5.47 -41.29	132.11 5.71 -41.13	140.44 6.74 -48.35	137.14 7.70 -40.83	147.70 7.79 -50.27	167.09 7.89 -70.51	156.99 7.99 -60.22	153.69 7.98 -57.11	155.49 7.87 -60.20	159.78 8.13 -62.35	173.06 10.97 -24.98	189.00 12.45 -21.05	245.96 17.32 -0.63	227.39 15.73 -2.02	223.43 15.59 -2.67	194.39 12.61 -15.82	169.24 10.20 -21.21	175.77 10.60 -15.82	172.54 10.68 0.01
AST_ENERGY_2_CC4 323678	135.11 5.51 -47.35	132.11 5.34 -42.07	132.11 4.98 -44.15	132.11 5.10 -42.00	131.86 5.10 -41.75	132.11 5.47 -41.29	132.11 5.71 -41.13	140.44 6.74 -48.35	137.14 7.70 -40.83	147.70 7.79 -50.27	167.09 7.89 -70.51	156.99 7.99 -60.22	153.69 7.98 -57.11	155.49 7.87 -60.20	159.78 8.13 -62.35	173.06 10.97 -24.98	189.00 12.45 -21.05	245.96 17.32 -0.63	227.39 15.73 -2.02	223.43 15.59 -2.67	194.39 12.61 -15.82	169.24 10.20 -21.21	175.77 10.60 -15.82	172.54 10.68 0.01



ATHENS_STG_1 23668	145.44 4.03 -59.16	146.03 4.07 -57.27	150.09 3.98 -63.13	140.76 4.16 -51.59	134.89 4.16 -45.72	134.85 4.27 -45.24	145.47 4.18 -56.03	136.00 4.44 -46.22	130.20 4.96 -36.63	143.63 5.02 -48.97	166.27 4.96 -72.62	153.84 4.97 -60.08	149.93 4.96 -56.36	153.19 4.80 -60.97	158.20 5.00 -63.90	164.99 6.72 -21.17	177.45 7.62 -14.32	239.59 10.94 -0.64	221.51 9.86 -2.01	217.67 9.85 -2.65	189.56 7.97 -15.64	165.42 6.62 -20.97	172.00 7.02 -15.64	169.16 7.29 0.00
ATHENS_STG_2 23670	145.44 4.03 -59.16	146.03 4.07 -57.27	150.09 3.98 -63.13	140.76 4.16 -51.59	134.89 4.16 -45.72	134.85 4.27 -45.24	145.47 4.18 -56.03	136.00 4.44 -46.22	130.20 4.96 -36.63	143.63 5.02 -48.97	166.27 4.96 -72.62	153.84 4.97 -60.08	149.93 4.96 -56.36	153.19 4.80 -60.97	158.20 5.00 -63.90	164.99 6.72 -21.17	177.45 7.62 -14.32	239.59 10.94 -0.64	221.51 9.86 -2.01	217.67 9.85 -2.65	189.56 7.97 -15.64	165.42 6.62 -20.97	172.00 7.02 -15.64	169.16 7.29 0.00
ATHENS_STG_3 23677	145.44 4.03 -59.16	146.03 4.07 -57.27	150.09 3.98 -63.13	140.76 4.16 -51.59	134.89 4.16 -45.72	134.85 4.27 -45.24	145.47 4.18 -56.03	136.00 4.44 -46.22	130.20 4.96 -36.63	143.63 5.02 -48.97	166.27 4.96 -72.62	153.84 4.97 -60.08	149.93 4.96 -56.36	153.19 4.80 -60.97	158.20 5.00 -63.90	164.99 6.72 -21.17	177.45 7.62 -14.32	239.59 10.94 -0.64	221.51 9.86 -2.01	217.67 9.85 -2.65	189.56 7.97 -15.64	165.42 6.62 -20.97	172.00 7.02 -15.64	169.16 7.29 0.00
AUBURN___LFGE 323710	90.86 1.48 -7.13	92.96 1.36 -6.90	91.91 1.33 -7.61	92.50 1.28 -6.22	91.79 1.28 -5.51	92.51 1.71 -5.45	93.89 1.88 -6.75	91.46 1.88 -4.24	95.32 2.39 -4.32	98.34 2.51 -6.20	100.52 2.48 -9.34	98.86 2.49 -7.58	98.07 2.39 -7.07	97.38 2.10 -7.87	100.14 2.50 -8.34	141.61 2.33 -2.17	159.08 3.58 0.00	229.93 1.82 -0.09	209.94 0.00 -0.30	205.16 -0.41 -0.40	167.96 -0.33 -2.33	140.13 -0.83 -3.13	150.78 -0.90 -2.33	161.06 -0.81 0.00
BABYLON_RES_REC 323704	148.59 8.71 -57.62	149.01 8.47 -55.84	148.36 7.72 -57.66	140.04 7.91 -47.12	134.85 8.08 -41.76	139.79 8.71 -45.73	148.77 8.78 -54.72	148.65 9.64 -53.66	149.30 10.72 -49.97	154.16 10.48 -54.04	183.40 9.84 -84.86	178.89 9.94 -80.16	172.76 9.75 -74.41	173.90 9.36 -77.12	179.98 9.74 -80.94	190.86 13.84 -39.91	207.08 16.17 -35.40	265.56 22.58 -14.97	230.54 21.39 0.50	226.63 20.12 -1.34	208.16 15.93 -26.27	185.26 12.95 -34.47	165.56 13.89 -2.32	164.87 15.21 12.21
BABYLON__69_KV_BK2 356345	149.50 9.62 -57.62	149.94 9.40 -55.84	149.27 8.63 -57.66	141.14 9.01 -47.12	135.95 9.18 -41.76	140.90 9.82 -45.73	149.88 9.89 -54.72	149.80 10.75 -53.70	150.56 11.87 -50.08	155.42 11.74 -54.04	184.29 10.73 -84.86	179.86 10.92 -80.16	173.56 10.54 -74.41	174.86 10.32 -77.12	180.96 10.72 -80.94	192.37 15.36 -39.91	208.95 18.04 -35.40	267.38 24.40 -14.97	230.75 22.01 0.91	227.94 21.75 -1.02	209.42 17.26 -26.20	186.53 14.33 -34.36	166.84 15.53 -1.97	164.20 14.89 12.56
BALL_HILL_WT_PWR 323825	88.49 -2.96 -9.19	90.38 -3.22 -8.90	89.64 -3.15 -9.81	89.46 -3.57 -8.02	88.71 -3.40 -7.11	89.73 -2.65 -7.03	90.47 -3.50 -8.71	85.95 -4.86 -5.46	89.70 -4.52 -5.61	92.75 -4.93 -8.04	95.37 -5.41 -12.09	93.29 -5.32 -9.83	92.46 -5.31 -9.17	92.10 -5.50 -10.19	94.83 -5.27 -10.80	129.79 -10.14 -2.82	144.16 -11.35 0.00	206.46 -21.67 -0.12	188.83 -21.17 -0.36	185.13 -20.52 -0.47	151.47 -17.26 -2.78	127.36 -14.19 -3.72	140.17 -11.95 -2.78	150.53 -11.34 0.00
BARON_WINDS___WT_PWR 323822	92.85 -1.64 -12.24	94.77 -1.78 -11.85	94.38 -1.66 -13.06	93.81 -1.87 -10.68	92.85 -1.62 -9.46	93.69 -1.02 -9.36	95.49 -1.37 -11.59	95.05 -1.88 -11.58	97.04 -1.59 -10.03	99.56 -2.06 -11.98	102.73 -2.39 -16.43	100.60 -2.39 -14.21	99.76 -2.39 -13.54	98.83 -2.71 -14.13	101.54 -2.32 -14.56	138.56 -4.80 -6.25	156.26 -4.82 -5.58	217.46 -10.71 -0.16	199.01 -11.12 -0.49	194.94 -10.88 -0.64	160.46 -9.29 -3.79	135.06 -7.85 -5.08	146.57 -6.57 -3.79	155.72 -6.15 0.00
BARRETT_IC_1 23704	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_10 23701	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	226.44 9.31 -128.44	238.75 9.23 -140.74	224.71 9.13 -126.97	224.71 8.74 -128.55	235.85 9.11 -137.44	235.26 12.88 -85.26	249.42 14.93 -78.98	307.10 20.53 -58.56	288.11 19.70 -58.77	273.59 18.06 -50.36	253.87 14.43 -73.48	246.36 11.71 -96.82	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_11 23702	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	226.44 9.31 -128.44	238.75 9.23 -140.74	224.71 9.13 -126.97	224.71 8.74 -128.55	235.85 9.11 -137.44	235.26 12.88 -85.26	249.42 14.93 -78.98	307.10 20.53 -58.56	288.11 19.70 -58.77	273.59 18.06 -50.36	253.87 14.43 -73.48	246.36 11.71 -96.82	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_12 23703	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	226.44 9.31 -128.44	238.75 9.23 -140.74	224.71 9.13 -126.97	224.71 8.74 -128.55	235.85 9.11 -137.44	235.26 12.88 -85.26	249.42 14.93 -78.98	307.10 20.53 -58.56	288.11 19.70 -58.77	273.59 18.06 -50.36	253.87 14.43 -73.48	246.36 11.71 -96.82	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_2 23705	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_3 23706	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_4 23707	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13



BARRETT_IC_5 23708	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_6 23709	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_7 23710	184.82 7.40 -95.16	184.82 7.28 -92.84	147.45 6.72 -57.75	139.10 6.89 -47.21	133.82 6.97 -41.85	184.82 7.51 -91.96	184.82 7.67 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	340.96 9.22 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.40 9.11 -285.99	354.37 12.75 -204.51	363.71 14.62 -193.58	421.01 19.84 -173.16	400.63 17.61 -173.37	369.17 17.44 -146.55	367.85 13.77 -188.12	396.69 11.72 -247.14	204.04 13.14 -41.55	196.46 12.46 -22.13
BARRETT_IC_8 23711	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT_IC_9 23700	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	226.44 9.31 -128.44	238.75 9.23 -140.74	224.71 9.13 -126.97	224.71 8.74 -128.55	235.85 9.11 -137.44	235.26 12.88 -85.26	249.42 14.93 -78.98	307.10 20.53 -58.56	288.11 19.70 -58.77	273.59 18.06 -50.36	253.87 14.43 -73.48	246.36 11.71 -96.82	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT___1 23545	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	341.05 9.31 -243.04	398.05 9.23 -300.03	362.93 9.13 -265.20	359.93 8.74 -263.77	384.41 9.11 -285.99	354.50 12.88 -204.51	364.02 14.93 -193.58	421.70 20.53 -173.16	402.71 19.70 -173.37	369.78 18.06 -146.55	368.48 14.43 -188.08	396.64 11.71 -247.10	204.01 13.15 -41.52	198.40 14.40 -22.13
BARRETT___2 23546	184.82 7.41 -95.16	184.82 7.29 -92.84	147.44 6.72 -57.75	139.10 6.88 -47.21	133.83 6.97 -41.85	184.82 7.51 -91.96	184.82 7.68 -91.88	184.82 8.45 -91.02	192.34 9.39 -94.35	192.34 9.41 -93.30	226.44 9.31 -128.44	238.75 9.23 -140.74	224.71 9.13 -126.97	224.71 8.74 -128.55	235.85 9.11 -137.44	235.26 12.88 -85.26	249.42 14.93 -78.98	307.10 20.53 -58.56	288.11 19.70 -58.77	273.59 18.06 -50.36	253.87 14.43 -73.48	246.36 11.71 -96.82	204.01 13.15 -41.52	198.40 14.40 -22.13
BATAVIA__115KV_TB1 55881	88.10 -2.06 -7.90	89.89 -2.46 -7.65	89.01 -2.41 -8.43	89.09 -2.81 -6.89	88.39 -2.72 -6.11	89.26 -2.13 -6.04	90.02 -2.73 -7.48	86.12 -3.93 -4.70	89.91 -3.46 -4.76	92.62 -3.85 -6.84	94.76 -4.26 -10.33	92.90 -4.26 -8.38	92.08 -4.34 -7.81	91.65 -4.46 -8.69	94.41 -4.11 -9.21	129.49 -10.01 -2.39	145.86 -9.64 0.00	210.13 -18.01 -0.14	192.81 -17.19 -0.35	188.60 -17.03 -0.45	154.80 -13.61 -2.45	128.16 -12.96 -3.28	139.70 -12.10 -2.45	150.54 -11.33 0.00
BAYONEEC___CTG1 323682	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG10 323750	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG2 323683	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG3 323684	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG4 323685	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG5 323686	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG6 323687	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00



BAYONEEC___CTG7 323688	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG8 323689	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BAYONEEC___CTG9 323749	142.03 5.76 -54.03	142.50 5.50 -52.30	145.78 5.15 -57.65	137.39 5.27 -47.11	132.12 5.36 -41.75	132.38 5.72 -41.31	142.39 5.97 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.85	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BEACON___LESR 323632	152.87 4.85 -65.77	153.36 5.00 -63.66	158.05 4.89 -70.18	147.29 4.93 -57.35	140.85 5.01 -50.83	140.76 5.12 -50.29	152.66 5.12 -62.28	226.74 5.54 -135.85	236.29 5.94 -141.75	226.27 6.27 -130.36	232.48 5.85 -137.94	234.40 5.86 -139.75	234.13 5.94 -139.59	222.79 5.86 -129.51	220.48 5.72 -125.46	245.92 7.81 -101.00	289.58 8.70 -125.37	241.76 12.08 -1.67	226.03 11.10 -5.28	223.01 10.87 -6.97	216.07 8.96 -41.16	200.05 7.30 -54.92	199.01 8.51 -41.16	171.09 9.22 0.00
BEAVER RIVER___HYD 24048	83.65 -0.57 -1.98	86.36 -0.25 -1.91	84.84 -0.25 -2.11	86.65 -0.08 -1.72	86.28 -0.25 -1.53	86.61 -0.26 -1.51	87.39 0.26 -1.87	86.95 0.43 -1.17	89.27 0.53 -0.13	90.82 0.54 -0.65	91.28 1.07 -1.52	90.80 0.98 -1.03	90.12 0.62 -0.89	88.62 0.09 -1.11	90.28 -0.27 -1.24	136.97 -0.14 0.00	155.66 0.16 0.00	229.38 1.38 0.00	210.27 0.63 0.00	205.79 0.62 0.00	166.13 0.17 0.00	137.97 0.14 -0.01	149.49 0.15 0.00	162.03 0.16 0.00
BEEBEE_GT_13 23619	87.78 -1.23 -6.76	89.72 -1.52 -6.55	88.70 -1.49 -7.22	89.21 -1.70 -5.90	88.53 -1.70 -5.23	89.24 -1.28 -5.17	90.05 -1.62 -6.41	87.07 -2.30 -4.02	90.75 -1.86 -4.00	93.36 -2.06 -5.79	95.16 -2.31 -8.77	93.58 -2.31 -7.10	92.92 -2.30 -6.62	92.34 -2.45 -7.37	94.89 -2.23 -7.82	132.39 -6.72 -2.01	148.82 -6.69 0.00	215.78 -12.31 -0.09	198.38 -11.53 -0.27	193.83 -11.69 -0.35	158.24 -9.79 -2.07	132.05 -8.55 -2.77	142.75 -8.66 -2.07	153.45 -8.42 0.00
BENSHRST_27_KV_BENSHRST_1 355998	442.86 6.58 -354.03	371.10 6.18 -280.22	371.09 5.81 -282.31	513.07 5.95 -422.12	371.08 6.04 -280.04	393.40 6.23 -301.82	413.43 6.31 -321.86	410.64 7.17 -318.12	437.70 8.24 -340.85	673.26 8.34 -575.29	467.54 8.34 -370.52	411.32 8.43 -314.10	679.31 8.59 -582.11	413.01 8.39 -317.21	685.23 8.57 -587.35	391.35 11.79 -242.45	489.32 12.75 -321.06	545.98 17.33 -300.64	602.40 15.72 -377.04	390.18 15.39 -169.62	294.28 12.45 -115.87	470.54 11.44 -321.27	552.16 11.95 -390.87	474.33 12.46 -300.00
BETHLEHEM___GRP 23843	151.61 3.54 -65.82	152.05 3.64 -63.71	156.78 3.57 -70.23	145.97 3.57 -57.39	139.53 3.66 -50.86	139.34 3.67 -50.32	151.26 3.67 -62.33	221.83 4.01 -132.47	230.64 4.34 -137.69	221.63 4.66 -127.33	228.63 4.26 -135.68	229.72 4.08 -136.85	229.20 4.08 -136.52	218.68 4.20 -127.07	216.54 3.93 -123.31	239.79 4.80 -97.89	281.44 4.98 -120.96	236.95 7.30 -1.64	221.34 6.50 -5.20	218.60 6.57 -6.86	211.27 4.81 -40.49	196.42 4.55 -54.04	195.66 5.82 -40.49	168.18 6.31 0.00
BETHLEHEM___GS1 323560	151.60 3.53 -65.82	152.05 3.64 -63.71	156.78 3.57 -70.23	145.97 3.57 -57.39	139.52 3.65 -50.86	139.34 3.67 -50.32	151.26 3.66 -62.33	221.83 4.01 -132.47	230.64 4.34 -137.69	221.62 4.66 -127.33	228.46 4.08 -135.68	229.72 4.09 -136.85	229.29 4.17 -136.52	218.68 4.20 -127.07	216.45 3.84 -123.31	239.79 4.80 -97.89	281.59 5.12 -120.96	236.95 7.29 -1.64	221.34 6.51 -5.19	218.59 6.56 -6.85	212.08 5.65 -40.47	196.38 4.54 -54.01	195.63 5.82 -40.47	168.35 6.48 0.00
BETHLEHEM___GS2 323561	151.60 3.53 -65.82	152.05 3.64 -63.71	156.78 3.57 -70.23	145.97 3.57 -57.39	139.52 3.65 -50.86	139.34 3.67 -50.32	151.26 3.66 -62.33	221.83 4.01 -132.47	230.64 4.34 -137.69	221.62 4.66 -127.33	228.46 4.08 -135.68	229.72 4.09 -136.85	229.29 4.17 -136.52	218.68 4.20 -127.07	216.45 3.84 -123.31	239.79 4.80 -97.89	281.59 5.12 -120.96	236.95 7.29 -1.64	221.34 6.51 -5.19	218.59 6.56 -6.85	212.08 5.65 -40.47	196.38 4.54 -54.01	195.63 5.82 -40.47	168.35 6.48 0.00
BETHLEHEM___GS3 323562	151.60 3.53 -65.82	152.05 3.64 -63.71	156.78 3.57 -70.23	145.97 3.57 -57.39	139.52 3.65 -50.86	139.34 3.67 -50.32	151.26 3.66 -62.33	221.83 4.01 -132.47	230.64 4.34 -137.69	221.62 4.66 -127.33	228.46 4.08 -135.68	229.72 4.09 -136.85	229.29 4.17 -136.52	218.68 4.20 -127.07	216.45 3.84 -123.31	239.79 4.80 -97.89	281.59 5.12 -120.96	236.95 7.29 -1.64	221.34 6.51 -5.19	218.59 6.56 -6.85	212.08 5.65 -40.47	196.38 4.54 -54.01	195.63 5.82 -40.47	168.35 6.48 0.00
BETHLEHEM___STEEL 23779	87.98 -3.45 -9.18	89.86 -3.73 -8.89	89.05 -3.73 -9.80	88.85 -4.17 -8.01	88.11 -4.00 -7.10	89.13 -3.24 -7.02	89.87 -4.09 -8.70	85.35 -5.46 -5.46	89.07 -5.14 -5.60	92.02 -5.65 -8.03	94.74 -6.03 -12.08	92.65 -5.95 -9.81	91.83 -5.94 -9.16	91.48 -6.12 -10.18	94.19 -5.89 -10.78	128.96 -10.97 -2.82	144.31 -11.20 0.00	206.69 -21.43 -0.12	189.05 -20.96 -0.37	185.56 -20.11 -0.49	153.91 -14.94 -2.89	126.53 -15.16 -3.86	139.38 -12.84 -2.89	149.89 -11.98 0.00
BETHLHEM_115KV_TB1 79974	151.55 3.54 -65.76	152.00 3.64 -63.66	156.72 3.57 -70.17	145.92 3.57 -57.35	139.40 3.57 -50.82	139.30 3.67 -50.28	151.21 3.67 -62.27	216.36 3.93 -127.08	224.12 4.25 -131.26	216.68 4.57 -122.48	224.85 4.17 -131.99	225.04 4.08 -132.17	224.28 4.08 -131.60	214.63 4.11 -123.10	213.04 3.93 -119.81	235.01 4.94 -92.96	274.66 5.13 -114.02	237.11 7.52 -1.58	221.57 6.92 -5.01	218.55 6.77 -6.61	210.11 5.14 -39.01	194.58 4.69 -52.06	194.17 5.82 -39.01	168.18 6.31 0.00
BETHPAGE_CC_5 323564	149.25 8.22 -58.78	149.81 8.13 -56.97	148.03 7.38 -57.67	139.79 7.65 -47.13	134.59 7.82 -41.76	140.87 8.37 -47.15	149.65 8.53 -55.86	149.39 9.30 -54.73	150.09 10.36 -51.12	155.19 10.30 -55.25	187.09 9.84 -88.56	184.02 9.94 -85.29	177.21 9.75 -78.86	178.34 9.44 -81.48	184.77 9.74 -85.73	194.57 13.71 -43.76	210.47 15.87 -39.10	269.03 22.36 -18.67	235.08 20.96 -4.47	230.52 19.90 -5.45	211.99 15.77 -30.26	190.59 12.95 -39.80	167.50 13.89 -4.27	166.43 15.06 10.49
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	88.03 -3.54 -9.32	89.91 -3.81 -9.02	89.19 -3.73 -9.94	88.97 -4.17 -8.12	88.21 -4.00 -7.20	89.14 -3.33 -7.12	90.00 -4.09 -8.82	85.42 -5.46 -5.54	89.16 -5.14 -5.69	92.23 -5.56 -8.15	95.01 -5.94 -12.26	92.89 -5.86 -9.96	92.05 -5.85 -9.29	91.72 -6.03 -10.33	94.44 -5.80 -10.94	129.82 -10.15 -2.86	145.09 -10.42 0.00	207.61 -20.52 -0.12	189.68 -20.34 -0.38	186.59 -19.08 -0.50	154.78 -14.11 -2.93	127.01 -14.75 -3.92	140.18 -12.10 -2.93	150.70 -11.17 0.00



BINGHAMTON___COGEN 23790	100.66 0.58 -17.83	102.47 0.51 -17.26	102.59 0.58 -19.03	101.07 0.51 -15.55	99.30 0.51 -13.78	99.84 0.85 -13.63	102.92 0.77 -16.88	103.42 0.60 -17.47	105.16 0.97 -15.58	108.86 0.99 -18.24	114.16 0.89 -24.58	111.14 0.89 -21.47	110.01 0.89 -20.51	109.38 0.70 -21.26	112.04 0.89 -21.84	147.73 0.82 -9.80	165.81 1.40 -8.91	228.71 0.46 -0.25	209.79 -0.63 -0.78	205.79 -0.41 -1.03	171.85 -0.17 -6.05	144.97 -0.96 -8.11	155.10 -0.30 -6.05	161.87 0.00 0.00
BIXINCNT_115KV_LOAD 355685	88.30 -3.87 -9.91	90.57 -3.73 -9.59	90.07 -3.49 -10.58	89.74 -3.91 -8.64	89.01 -3.66 -7.66	90.20 -2.73 -7.58	91.24 -3.41 -9.39	86.72 -4.52 -5.89	90.53 -4.16 -6.09	93.68 -4.66 -8.70	96.89 -4.88 -13.07	94.44 -4.97 -10.63	93.48 -5.05 -9.92	93.20 -5.25 -11.02	95.80 -5.18 -11.68	132.90 -7.27 -3.06	148.82 -6.69 0.00	212.17 -15.96 -0.13	194.11 -15.93 -0.40	191.14 -14.57 -0.53	159.30 -9.79 -3.13	130.17 -11.85 -4.20	144.26 -8.21 -3.13	153.78 -8.09 0.00
BLACK RIVER___HYD 24047	85.70 0.74 -2.72	88.43 1.10 -2.63	86.95 1.08 -2.90	88.57 1.19 -2.37	88.13 1.02 -2.10	88.79 1.36 -2.08	89.63 1.79 -2.57	88.93 1.96 -1.61	91.08 2.30 -0.17	93.03 2.51 -0.89	93.70 2.92 -2.09	93.04 2.84 -1.42	91.87 2.04 -1.22	90.52 1.58 -1.53	92.52 1.52 -1.71	139.43 2.33 0.00	159.09 3.58 0.00	234.38 6.38 0.00	214.67 5.02 0.00	210.31 5.13 0.00	169.45 3.49 0.00	140.45 2.61 -0.01	152.03 2.69 0.00	164.45 2.58 0.00
BLACKRVR_115KV_TB2 79977	85.71 0.74 -2.72	88.43 1.10 -2.63	86.96 1.08 -2.90	88.57 1.19 -2.37	88.13 1.02 -2.10	88.79 1.37 -2.08	89.63 1.79 -2.57	88.93 1.96 -1.61	91.08 2.30 -0.17	93.04 2.51 -0.89	93.71 2.93 -2.09	92.96 2.75 -1.42	91.87 2.04 -1.22	90.52 1.57 -1.53	92.53 1.52 -1.71	139.44 2.33 0.00	159.08 3.58 0.00	234.39 6.38 0.00	214.88 5.24 0.00	210.51 5.33 0.00	169.61 3.65 0.00	140.46 2.62 -0.01	152.03 2.69 0.00	164.62 2.75 0.00
BLISS_WT_PWR 323608	88.13 -4.03 -9.91	90.48 -3.81 -9.59	90.07 -3.48 -10.58	89.66 -3.99 -8.64	89.01 -3.65 -7.66	90.28 -2.65 -7.58	91.33 -3.33 -9.39	86.71 -4.53 -5.89	90.53 -4.16 -6.09	93.67 -4.66 -8.70	96.89 -4.88 -13.07	94.44 -4.97 -10.63	93.48 -5.05 -9.92	93.20 -5.24 -11.02	95.71 -5.27 -11.68	132.90 -7.27 -3.06	147.74 -7.77 0.00	209.89 -18.25 -0.13	192.42 -17.61 -0.39	189.07 -16.61 -0.51	155.04 -13.94 -3.01	130.15 -11.72 -4.04	144.29 -8.07 -3.01	153.45 -8.42 0.00
BLUESTONE___WT_PWR 323821	105.69 4.27 -19.16	107.90 4.66 -18.55	107.99 4.56 -20.45	106.47 4.76 -16.71	104.57 4.76 -14.81	105.63 5.63 -14.65	109.12 5.71 -18.14	115.41 5.88 -24.18	119.50 6.82 -24.07	121.96 7.00 -25.33	126.82 7.18 -30.95	124.67 7.28 -28.61	123.53 7.09 -27.83	121.64 6.56 -27.67	124.09 6.97 -27.82	163.08 10.00 -15.97	184.06 11.97 -16.58	245.24 16.87 -0.36	224.59 13.83 -1.11	220.18 13.54 -1.47	184.93 10.29 -8.68	157.42 7.99 -11.60	167.13 9.11 -8.68	171.74 9.88 0.00
BLUE_CIRC_CHEM_DRP 24182	150.85 3.78 -64.82	151.42 3.98 -62.74	156.05 3.90 -69.17	145.53 4.00 -56.52	139.10 4.00 -50.09	138.92 4.01 -49.56	150.57 3.92 -61.38	194.37 3.93 -105.10	198.03 4.16 -105.26	196.44 4.21 -102.60	209.12 3.99 -116.44	205.64 4.00 -112.86	203.94 3.99 -111.34	198.03 4.02 -106.59	198.50 4.11 -105.09	215.73 5.48 -73.14	247.83 6.06 -86.26	238.46 9.12 -1.33	222.03 8.18 -4.21	218.93 8.21 -5.55	205.04 6.31 -32.77	187.12 5.51 -43.78	188.39 6.27 -32.77	168.99 7.12 0.00
BOC_GAS_DRP 24189	150.91 3.21 -65.46	151.36 3.30 -63.36	156.06 3.24 -69.85	145.40 3.32 -57.08	138.91 3.32 -50.58	138.81 3.41 -50.05	150.58 3.33 -61.98	185.82 3.33 -97.14	187.86 3.72 -95.53	189.00 3.85 -95.51	203.90 3.73 -111.48	198.62 3.64 -106.19	196.48 3.63 -104.24	192.06 3.58 -101.06	193.29 3.66 -100.32	207.37 4.66 -65.60	236.10 5.13 -75.46	237.01 7.75 -1.25	220.51 6.92 -3.94	217.36 6.98 -5.20	202.00 5.31 -30.73	183.57 4.69 -41.06	185.30 5.23 -30.73	167.70 5.83 0.00
BOONVILLE_115KV_TB1 79983	85.31 1.32 -1.74	87.91 1.52 -1.69	86.42 1.58 -1.86	88.23 1.70 -1.52	87.97 1.62 -1.35	88.65 1.96 -1.33	89.22 2.30 -1.65	88.78 2.39 -1.04	91.47 2.75 -0.11	93.08 2.87 -0.57	93.14 3.10 -1.34	92.71 3.02 -0.91	92.32 2.92 -0.79	90.85 2.45 -0.98	92.81 2.41 -1.10	140.53 3.43 0.00	159.55 4.04 0.00	234.39 6.38 0.00	214.88 5.24 0.00	210.30 5.13 0.00	169.94 3.98 0.00	140.87 3.03 -0.01	152.63 3.29 0.00	165.27 3.40 0.00
BORALEX_4TH_BRANCH 23824	154.18 6.33 -65.59	154.54 6.35 -63.49	159.11 6.14 -69.99	148.50 6.29 -57.20	141.99 6.29 -50.69	141.99 6.49 -50.15	153.95 6.57 -62.11	262.55 7.68 -169.52	279.04 8.24 -182.19	258.60 8.25 -160.72	257.67 8.25 -160.73	265.84 8.17 -168.89	267.08 8.15 -170.32	249.27 7.69 -154.16	244.59 8.13 -147.17	280.63 11.52 -132.01	337.55 12.91 -169.14	247.41 17.33 -2.07	231.92 15.72 -6.55	229.21 15.39 -8.65	229.47 12.45 -51.06	215.98 10.06 -68.09	210.86 10.45 -51.06	173.20 11.33 0.00
BOWLINE___1 23526	139.42 5.02 -52.15	140.01 4.83 -50.48	143.19 4.56 -55.65	135.16 4.67 -45.48	129.98 4.67 -40.30	130.26 5.03 -39.88	139.77 5.12 -49.39	137.80 5.88 -46.57	134.63 6.73 -39.29	144.89 6.81 -48.44	163.42 6.74 -67.99	153.65 6.84 -58.03	150.36 6.73 -55.03	152.09 6.64 -58.03	156.30 6.88 -60.12	170.46 9.33 -24.03	186.26 10.58 -20.18	243.44 14.81 -0.62	225.03 13.43 -1.96	220.90 13.14 -2.59	191.86 10.63 -15.27	167.12 8.83 -20.46	173.57 8.96 -15.27	171.09 9.22 0.00
BOWLINE___2 23595	139.42 5.02 -52.16	140.01 4.83 -50.48	143.19 4.56 -55.65	135.16 4.67 -45.48	129.99 4.67 -40.31	130.26 5.03 -39.88	139.77 5.12 -49.39	137.81 5.88 -46.57	134.64 6.73 -39.30	144.89 6.81 -48.45	163.43 6.74 -68.00	153.66 6.84 -58.04	150.37 6.73 -55.03	152.10 6.64 -58.04	156.30 6.88 -60.12	170.46 9.33 -24.03	186.27 10.58 -20.18	243.44 14.81 -0.62	225.03 13.43 -1.96	220.90 13.14 -2.59	191.86 10.63 -15.27	167.13 8.83 -20.47	173.57 8.96 -15.27	171.09 9.22 0.00
BRADY___115KV_TB2 356060	81.10 -1.15 0.00	83.77 -0.93 0.00	81.98 -1.00 0.00	84.24 -0.77 0.00	84.07 -0.94 0.00	83.73 -1.62 0.00	83.48 -1.79 0.00	83.56 -1.79 0.00	85.68 -2.92 0.00	85.96 -3.68 0.00	85.76 -2.93 0.00	85.68 -3.11 0.00	85.59 -3.01 0.00	85.58 -1.84 0.00	86.18 -3.13 0.00	135.60 -1.51 0.00	153.80 -1.71 0.00	226.87 -1.14 0.00	208.80 -0.84 0.00	204.15 -1.03 0.00	165.13 -0.83 0.00	137.69 -0.14 0.00	149.34 0.00 0.00	162.19 0.32 0.00
BRANSCOMB___SOLAR 323811	155.54 5.67 -67.62	155.99 5.84 -65.46	160.86 5.72 -72.16	149.76 5.78 -58.97	143.13 5.86 -52.26	143.03 5.97 -51.70	155.27 5.97 -64.04	292.72 5.63 -201.74	314.74 6.11 -220.03	285.61 6.10 -189.87	278.75 6.12 -183.95	292.37 6.21 -197.37	294.92 6.20 -200.12	272.05 6.03 -178.60	264.71 6.34 -169.06	307.23 9.33 -160.80	375.86 11.04 -209.32	246.16 15.51 -2.64	232.04 14.05 -8.35	229.94 13.75 -11.01	241.95 10.95 -65.03	234.56 10.06 -86.68	225.14 10.76 -65.03	173.36 11.49 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	147.67 9.38 -56.04	148.04 9.06 -54.28	148.94 8.30 -57.66	140.88 8.76 -47.12	135.69 8.93 -41.76	138.69 9.56 -43.78	148.05 9.64 -53.15	148.03 10.50 -52.18	148.58 11.61 -48.37	153.32 11.29 -52.39	177.44 10.29 -78.46	170.43 10.39 -71.26	165.21 9.92 -66.68	166.60 9.62 -69.57	171.94 10.00 -72.64	184.61 14.26 -33.25	201.14 16.64 -29.00	258.92 22.34 -8.57	221.21 20.13 8.56	219.73 19.90 5.35	201.24 15.77 -19.51	176.55 13.23 -25.49	163.59 14.49 0.24	161.12 13.76 14.51



BRISTLHL_115KV_TB1 79998	84.80 -1.56 -4.11	86.98 -1.69 -3.98	85.71 -1.66 -4.39	86.89 -1.70 -3.58	86.40 -1.79 -3.18	86.96 -1.54 -3.14	87.62 -1.53 -3.89	86.34 -1.45 -2.44	87.63 -1.24 -0.26	89.91 -1.08 -1.35	90.70 -1.15 -3.16	89.78 -1.15 -2.15	89.04 -1.42 -1.85	88.15 -1.57 -2.31	90.45 -1.43 -2.58	133.82 -3.29 0.00	152.24 -3.27 0.00	222.54 -5.47 0.00	205.03 -4.61 0.00	200.46 -4.72 0.00	161.98 -3.98 0.00	134.26 -3.58 -0.01	145.46 -3.88 0.00	157.66 -4.21 0.00
BROOKHAVEN___DRP 24191	147.36 9.38 -55.73	147.73 9.06 -53.97	148.94 8.30 -57.66	141.05 8.93 -47.12	135.95 9.18 -41.76	138.57 9.82 -43.40	147.92 9.81 -52.84	147.91 10.67 -51.89	148.35 11.70 -48.05	153.17 11.47 -52.06	176.10 10.11 -77.30	168.82 10.39 -69.65	163.99 10.10 -65.28	165.50 9.88 -68.20	170.71 10.27 -71.14	183.82 14.67 -32.04	200.61 17.26 -27.84	257.99 22.57 -7.41	219.73 20.13 10.04	218.70 20.11 6.58	200.00 15.77 -18.28	174.91 13.23 -23.85	162.93 14.34 0.75	160.51 13.60 14.96
BROOKLYN_NAVY_YARD 23515	141.87 5.60 -54.03	142.33 5.34 -52.30	145.61 4.98 -57.65	137.22 5.10 -47.11	131.95 5.19 -41.75	132.20 5.54 -41.31	142.31 5.88 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.84	147.99 8.07 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.57 7.95 -60.20	159.86 8.21 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	227.82 16.14 -2.03	223.87 16.01 -2.68	194.91 13.11 -15.84	169.52 10.47 -21.22	176.08 10.90 -15.84	172.88 11.01 0.00
BROOKLYN___ARMY_DRP 323595	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
BROOKVLE_69_KV_TB1 55790	151.67 7.57 -61.85	152.16 7.45 -60.00	147.54 6.89 -57.67	139.20 7.06 -47.13	133.92 7.14 -41.77	143.97 7.68 -50.94	152.01 7.84 -58.90	151.22 8.62 -57.25	151.48 9.66 -53.21	157.87 9.77 -58.46	198.56 9.58 -100.29	200.07 9.68 -101.61	191.29 9.66 -93.02	192.19 9.44 -95.34	199.98 9.73 -100.95	206.65 13.57 -55.97	221.11 14.77 -50.83	278.94 20.52 -30.41	251.40 18.45 -23.31	244.37 18.26 -20.94	224.40 14.77 -43.67	208.53 12.96 -57.74	175.91 13.59 -12.98	172.37 13.27 2.77
BROOME_2_LFGE 323671	100.66 0.58 -17.83	102.47 0.51 -17.26	102.59 0.58 -19.03	101.07 0.51 -15.55	99.30 0.51 -13.78	99.84 0.85 -13.63	102.92 0.77 -16.88	103.42 0.60 -17.47	105.16 0.98 -15.58	108.87 0.99 -18.24	114.07 0.80 -24.58	111.14 0.89 -21.47	109.91 0.80 -20.51	109.30 0.62 -21.26	112.04 0.89 -21.84	147.73 0.83 -9.80	165.65 1.24 -8.91	228.48 0.23 -0.25	209.56 -0.84 -0.76	205.35 -0.82 -1.00	170.86 -0.99 -5.89	144.75 -0.96 -7.88	154.93 -0.30 -5.89	161.71 -0.16 0.00
BROOME___LFGE 323600	100.66 0.58 -17.83	102.47 0.51 -17.26	102.59 0.58 -19.03	101.07 0.51 -15.55	99.30 0.51 -13.78	99.84 0.85 -13.63	102.92 0.77 -16.88	103.42 0.60 -17.47	105.16 0.98 -15.58	108.87 0.99 -18.24	114.07 0.80 -24.58	111.14 0.89 -21.47	109.91 0.80 -20.51	109.30 0.62 -21.26	112.04 0.89 -21.84	147.73 0.83 -9.80	165.65 1.24 -8.91	228.48 0.23 -0.25	209.56 -0.84 -0.76	205.35 -0.82 -1.00	170.86 -0.99 -5.89	144.75 -0.96 -7.88	154.93 -0.30 -5.89	161.71 -0.16 0.00
BROWNFLS_115KV_TB_3_5 80003	81.99 -1.64 -1.39	84.69 -1.36 -1.34	83.13 -1.33 -1.48	85.03 -1.19 -1.21	84.63 -1.45 -1.07	84.36 -2.05 -1.06	84.53 -2.05 -1.31	84.21 -1.96 -0.82	86.30 -2.39 -0.09	87.40 -2.69 -0.45	87.98 -1.77 -1.07	87.64 -1.86 -0.72	87.10 -2.13 -0.62	86.36 -1.84 -0.78	87.49 -2.68 -0.87	134.23 -2.88 0.00	152.40 -3.11 0.00	224.59 -3.42 0.00	206.29 -3.35 0.00	201.89 -3.28 0.00	163.14 -2.82 0.00	136.18 -1.65 0.00	147.85 -1.49 0.00	160.57 -1.29 0.00
BROWNSV1_27_KV_LOAD 356125	142.69 6.42 -54.03	143.18 6.18 -52.30	146.44 5.81 -57.65	138.07 5.95 -47.11	132.71 5.95 -41.75	133.06 6.40 -41.31	143.08 6.65 -51.16	141.31 7.60 -48.36	138.14 8.68 -40.84	148.79 8.87 -50.29	167.98 8.78 -70.51	157.97 8.97 -60.22	154.66 8.95 -57.11	156.45 8.83 -60.20	160.76 9.11 -62.35	174.72 12.61 -25.00	190.56 14.00 -21.06	247.80 19.15 -0.64	229.08 17.40 -2.04	225.10 17.23 -2.69	195.77 13.94 -15.87	170.95 11.85 -21.27	177.46 12.25 -15.87	174.33 12.46 0.00
BURROWS___LYONSDAL 23803	84.86 0.82 -1.79	87.53 1.10 -1.73	86.05 1.16 -1.91	87.84 1.28 -1.56	87.58 1.19 -1.38	88.17 1.45 -1.37	88.84 1.88 -1.69	88.46 2.05 -1.06	91.03 2.30 -0.11	92.64 2.42 -0.59	92.82 2.75 -1.38	92.38 2.66 -0.93	91.89 2.48 -0.81	90.35 1.92 -1.01	92.21 1.79 -1.12	139.57 2.47 0.00	158.62 3.11 0.00	233.02 5.02 0.00	213.63 3.98 0.00	209.28 4.10 0.00	168.95 2.99 0.00	140.04 2.21 -0.01	151.73 2.39 0.00	164.46 2.59 0.00
CAITHNESS_CC_1 323624	147.10 9.13 -55.72	147.47 8.81 -53.96	148.61 7.97 -57.66	140.80 8.68 -47.12	135.61 8.84 -41.76	138.21 9.47 -43.39	147.57 9.46 -52.84	147.55 10.32 -51.88	147.99 11.34 -48.04	152.71 11.02 -52.06	176.07 10.11 -77.27	168.69 10.29 -69.61	163.86 10.01 -65.25	165.11 9.53 -68.17	170.22 9.82 -71.10	183.38 14.26 -32.01	199.96 16.65 -27.81	257.75 22.36 -7.38	220.72 21.17 10.09	218.68 20.12 6.62	199.95 15.77 -18.21	174.27 12.67 -23.76	162.44 13.89 0.80	162.11 15.21 14.97
CALPINE BETH_PAGE_GT4 24209	150.58 8.22 -60.10	151.03 8.05 -58.28	148.03 7.39 -57.67	139.79 7.65 -47.13	134.51 7.74 -41.77	142.42 8.28 -48.79	150.88 8.44 -57.17	150.62 9.30 -55.97	151.43 10.37 -52.46	156.58 10.31 -56.64	191.75 9.67 -93.39	190.56 9.77 -92.01	182.95 9.66 -84.69	184.04 9.44 -87.18	191.12 9.82 -91.99	199.60 13.71 -48.78	215.14 15.71 -43.93	273.17 21.66 -23.50	239.90 19.50 -10.75	235.12 19.29 -10.66	216.69 15.27 -35.46	197.67 13.09 -46.74	169.91 14.04 -6.53	166.62 13.27 8.52
CALPINE_BETH_PAGE_GT_4 323586	150.58 8.22 -60.10	151.03 8.05 -58.28	148.03 7.38 -57.67	139.79 7.65 -47.13	134.51 7.73 -41.77	142.41 8.28 -48.79	150.88 8.44 -57.17	150.63 9.30 -55.97	151.42 10.36 -52.46	156.58 10.30 -56.64	191.92 9.84 -93.39	190.65 9.85 -92.01	183.13 9.83 -84.69	184.05 9.44 -87.18	191.12 9.82 -91.99	199.60 13.71 -48.78	215.30 15.87 -43.93	273.87 22.36 -23.50	241.36 20.96 -10.75	235.73 19.90 -10.65	217.32 15.93 -35.42	197.63 13.10 -46.70	169.87 14.03 -6.50	168.56 15.21 8.52
CALPINE_BP_GT1 23823	150.58 8.22 -60.10	151.03 8.05 -58.28	148.03 7.38 -57.67	139.79 7.65 -47.13	134.51 7.73 -41.77	142.41 8.28 -48.79	150.88 8.44 -57.17	150.63 9.30 -55.97	151.42 10.36 -52.46	156.58 10.30 -56.64	191.92 9.84 -93.39	190.65 9.85 -92.01	183.13 9.83 -84.69	184.05 9.44 -87.18	191.12 9.82 -91.99	199.60 13.71 -48.78	215.30 15.87 -43.93	273.87 22.36 -23.50	241.36 20.96 -10.75	235.73 19.90 -10.65	217.32 15.93 -35.42	197.63 13.10 -46.70	169.87 14.03 -6.50	168.56 15.21 8.52
CALSPAN___DRP 24200	87.98 -3.45 -9.18	89.86 -3.73 -8.89	89.05 -3.73 -9.80	88.85 -4.17 -8.01	88.11 -4.00 -7.10	89.13 -3.24 -7.02	89.87 -4.09 -8.70	85.35 -5.46 -5.46	89.07 -5.14 -5.60	92.02 -5.65 -8.03	94.74 -6.03 -12.08	92.65 -5.95 -9.81	91.83 -5.94 -9.16	91.48 -6.12 -10.18	94.19 -5.89 -10.78	128.96 -10.97 -2.82	144.31 -11.20 0.00	206.69 -21.43 -0.12	189.05 -20.96 -0.37	185.56 -20.11 -0.49	153.91 -14.94 -2.89	126.53 -15.16 -3.86	139.38 -12.84 -2.89	149.89 -11.98 0.00



CALVERTON___SOLAR 323806	147.68 9.70 -55.73	148.08 9.40 -53.98	149.19 8.55 -57.66	141.39 9.27 -47.12	136.28 9.52 -41.76	138.99 10.24 -43.40	148.26 10.14 -52.85	148.26 11.01 -51.89	148.71 12.05 -48.05	153.44 11.74 -52.07	176.82 10.82 -77.31	169.45 11.01 -69.66	164.62 10.72 -65.30	165.85 10.22 -68.21	171.17 10.71 -71.15	184.78 15.62 -32.05	201.54 18.19 -27.85	259.59 24.16 -7.42	222.46 22.85 10.03	220.14 21.54 6.57	201.15 16.94 -18.25	175.30 13.65 -23.82	163.35 14.79 0.78	163.10 16.19 14.95
CANDIGU_WT_PWR 323617	92.85 -1.64 -12.24	94.77 -1.78 -11.85	94.38 -1.66 -13.06	93.81 -1.87 -10.68	92.85 -1.62 -9.46	93.69 -1.02 -9.36	95.49 -1.37 -11.59	95.05 -1.88 -11.58	97.04 -1.59 -10.03	99.56 -2.06 -11.98	102.73 -2.39 -16.43	100.60 -2.39 -14.21	99.76 -2.39 -13.54	98.83 -2.71 -14.13	101.54 -2.32 -14.56	138.56 -4.80 -6.25	156.26 -4.82 -5.58	217.46 -10.71 -0.16	199.01 -11.12 -0.49	194.94 -10.88 -0.64	160.46 -9.29 -3.79	135.06 -7.85 -5.08	146.57 -6.57 -3.79	155.72 -6.15 0.00
CARR STREET_E_SYR 24060	86.64 -0.82 -5.22	88.82 -0.93 -5.05	87.72 -0.83 -5.57	88.62 -0.93 -4.55	88.11 -0.93 -4.03	88.65 -0.69 -3.99	89.52 -0.69 -4.94	87.76 -0.69 -3.10	88.50 -0.44 -0.33	91.08 -0.27 -1.71	92.26 -0.44 -4.01	91.07 -0.44 -2.73	90.52 -0.44 -2.35	89.74 -0.61 -2.93	92.13 -0.44 -3.28	135.32 -1.79 0.00	153.80 -1.71 0.00	224.59 -3.41 0.00	205.65 -3.99 0.00	201.27 -3.90 0.00	162.47 -3.49 0.00	134.95 -2.90 -0.02	146.20 -3.14 0.00	158.46 -3.41 0.00
CARTHAGE___PAPER 23857	84.52 -0.16 -2.43	87.22 0.17 -2.35	85.74 0.17 -2.59	87.47 0.34 -2.12	86.97 0.09 -1.88	87.46 0.26 -1.86	88.33 0.77 -2.30	87.73 0.94 -1.44	89.83 1.07 -0.16	91.59 1.16 -0.80	92.24 1.68 -1.87	91.56 1.51 -1.27	90.68 0.98 -1.10	89.31 0.53 -1.37	91.10 0.27 -1.53	137.80 0.69 0.00	157.06 1.55 0.00	231.43 3.43 0.00	212.17 2.52 0.00	207.84 2.66 0.00	167.62 1.66 0.00	138.94 1.10 -0.01	150.53 1.19 0.00	162.85 0.98 0.00
CASSADAGA_WT_PWR 323784	90.65 -1.23 -9.63	92.58 -1.44 -9.33	91.77 -1.49 -10.28	91.54 -1.87 -8.40	90.84 -1.62 -7.44	91.86 -0.85 -7.37	92.94 -1.45 -9.12	88.34 -2.73 -5.73	92.30 -2.21 -5.90	95.57 -2.51 -8.45	98.28 -3.11 -12.69	96.18 -2.93 -10.32	95.40 -2.84 -9.63	94.97 -3.14 -10.70	97.78 -2.86 -11.34	134.19 -5.89 -2.97	148.98 -6.53 0.00	213.53 -14.60 -0.12	195.34 -14.68 -0.38	191.52 -14.15 -0.49	156.78 -12.11 -2.92	131.55 -10.20 -3.91	144.80 -7.46 -2.92	155.08 -6.79 0.00
CE_DUNWOOD___DRP 24194	141.76 5.59 -53.92	142.31 5.42 -52.19	145.66 5.14 -57.53	137.30 5.27 -47.02	131.95 5.27 -41.67	132.21 5.63 -41.23	142.12 5.80 -51.06	140.19 6.57 -48.27	136.91 7.53 -40.77	147.35 7.53 -50.19	166.51 7.45 -70.37	156.43 7.55 -60.10	153.14 7.53 -57.00	154.84 7.34 -60.08	159.12 7.59 -62.23	172.48 10.42 -24.95	188.04 11.51 -21.03	244.61 15.96 -0.64	225.93 14.26 -2.03	222.01 14.16 -2.68	193.25 11.45 -15.84	168.98 9.92 -21.23	175.34 10.16 -15.84	172.23 10.36 0.00
CE_MILLWOOD___DRP 24193	141.38 5.43 -53.71	142.02 5.34 -51.98	145.26 4.98 -57.31	136.94 5.10 -46.83	131.61 5.10 -41.50	131.87 5.46 -41.06	141.75 5.63 -50.86	139.83 6.40 -48.08	136.57 7.35 -40.61	146.97 7.35 -49.99	166.06 7.27 -70.09	156.01 7.37 -59.86	152.73 7.35 -56.77	154.43 7.17 -59.84	158.69 7.41 -61.98	172.10 10.15 -24.85	187.64 11.20 -20.94	244.15 15.50 -0.64	225.51 13.84 -2.03	221.59 13.75 -2.67	192.86 11.12 -15.78	168.62 9.65 -21.14	174.98 9.86 -15.78	171.91 10.04 0.00
CE_NYC2_DRP 24202	142.20 5.92 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.70 12.13 -21.06	245.07 16.42 -0.64	226.36 14.68 -2.04	222.43 14.57 -2.69	193.61 11.78 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
CE_NYC_DRP 24195	141.60 5.84 -53.51	141.87 5.67 -51.50	144.80 5.23 -56.60	137.16 5.44 -46.71	132.20 5.44 -41.75	132.46 5.80 -41.31	141.70 6.05 -50.38	140.80 7.08 -48.36	137.51 8.06 -40.84	148.08 8.16 -50.29	167.36 8.16 -70.51	157.26 8.26 -60.21	154.04 8.33 -57.11	155.75 8.13 -60.20	160.04 8.39 -62.35	173.62 11.52 -25.00	189.32 12.75 -21.06	245.98 17.33 -0.64	227.40 15.72 -2.04	223.46 15.59 -2.69	194.44 12.61 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.04 11.17 0.00
CHAFFEE___LFGE 323603	88.42 -3.38 -9.55	90.30 -3.64 -9.24	89.60 -3.57 -10.19	89.34 -3.99 -8.33	88.48 -3.91 -7.38	89.49 -3.16 -7.30	90.39 -3.92 -9.04	85.73 -5.29 -5.67	89.49 -4.96 -5.84	92.63 -5.38 -8.37	95.41 -5.86 -12.58	93.24 -5.77 -10.22	92.47 -5.67 -9.54	92.16 -5.86 -10.60	94.91 -5.62 -11.23	129.90 -10.14 -2.94	144.16 -11.35 0.00	206.02 -22.11 -0.12	188.21 -21.81 -0.37	184.73 -20.93 -0.49	151.26 -17.60 -2.89	127.09 -14.61 -3.88	140.28 -11.95 -2.89	150.53 -11.34 0.00
CHATEAUG_35_KV_LOAD 355732	80.03 -2.22 0.00	82.50 -2.20 0.00	80.82 -2.16 0.00	83.22 -1.79 0.00	83.31 -1.70 0.00	83.13 -2.22 0.00	83.05 -2.22 0.00	83.22 -2.13 0.00	85.86 -2.75 0.00	86.95 -2.69 0.00	86.47 -2.22 0.00	86.57 -2.22 0.00	86.48 -2.13 0.00	85.67 -1.75 0.00	87.07 -2.23 0.00	135.74 -1.37 0.00	153.80 -1.71 0.00	226.64 -1.37 0.00	208.60 -1.05 0.00	203.74 -1.44 0.00	165.13 -0.83 0.00	137.14 -0.69 0.00	148.30 -1.05 0.00	161.38 -0.49 0.00
CHATEAUG_WT_PWR 323614	79.95 -2.30 0.00	82.42 -2.28 0.00	80.74 -2.24 0.00	83.14 -1.87 0.00	83.31 -1.70 0.00	83.22 -2.13 0.00	83.05 -2.22 0.00	83.13 -2.22 0.00	85.86 -2.75 0.00	86.95 -2.69 0.00	86.48 -2.21 0.00	86.65 -2.13 0.00	86.57 -2.03 0.00	85.75 -1.66 0.00	87.16 -2.14 0.00	135.74 -1.37 0.00	153.65 -1.86 0.00	226.42 -1.58 0.00	208.39 -1.25 0.00	203.75 -1.43 0.00	164.97 -0.99 0.00	137.01 -0.82 0.00	148.14 -1.20 0.00	161.55 -0.32 0.00
CHAT_HIGH_FALL_HYD 323578	80.03 -2.22 0.00	82.50 -2.20 0.00	80.82 -2.16 0.00	83.22 -1.79 0.00	83.31 -1.70 0.00	83.13 -2.22 0.00	83.05 -2.22 0.00	83.22 -2.13 0.00	85.86 -2.75 0.00	86.95 -2.69 0.00	86.47 -2.22 0.00	86.57 -2.22 0.00	86.48 -2.13 0.00	85.67 -1.75 0.00	87.07 -2.23 0.00	135.74 -1.37 0.00	153.80 -1.71 0.00	226.64 -1.37 0.00	208.60 -1.05 0.00	203.74 -1.44 0.00	165.13 -0.83 0.00	137.14 -0.69 0.00	148.30 -1.05 0.00	161.38 -0.49 0.00
CHAUTAUQUA___LFGE 323629	89.56 -2.05 -9.37	91.48 -2.28 -9.07	90.74 -2.24 -10.00	90.54 -2.64 -8.17	89.70 -2.55 -7.24	90.81 -1.71 -7.16	91.66 -2.48 -8.87	87.16 -3.75 -5.57	90.97 -3.37 -5.73	94.07 -3.76 -8.20	96.68 -4.34 -12.33	94.63 -4.17 -10.02	93.79 -4.16 -9.35	93.44 -4.37 -10.39	96.20 -4.11 -11.01	131.49 -8.50 -2.88	146.02 -9.49 0.00	209.44 -18.69 -0.12	191.56 -18.45 -0.36	187.80 -17.85 -0.48	153.69 -15.10 -2.83	129.22 -12.40 -3.80	142.02 -10.16 -2.83	152.32 -9.55 0.00
CHERRYST_13_KV_LD 356241	141.84 6.09 -53.51	142.04 5.84 -51.50	145.05 5.48 -56.60	137.33 5.61 -46.71	132.37 5.61 -41.75	132.72 6.06 -41.31	141.96 6.31 -50.38	140.97 7.25 -48.36	137.78 8.33 -40.84	148.44 8.52 -50.29	167.63 8.43 -70.51	157.61 8.61 -60.21	154.31 8.59 -57.11	156.01 8.39 -60.20	160.31 8.66 -62.35	174.03 11.93 -25.00	189.79 13.22 -21.06	246.89 18.24 -0.64	228.03 16.35 -2.04	224.07 16.21 -2.69	194.94 13.11 -15.87	170.26 11.16 -21.27	176.86 11.65 -15.87	173.52 11.65 0.00



CHESTROR_138KV_BK263 355645	136.85 4.52 -50.08	137.57 4.40 -48.47	140.56 4.15 -53.43	132.93 4.25 -43.67	127.96 4.25 -38.70	128.16 4.52 -38.29	137.29 4.60 -47.42	135.27 5.29 -44.63	132.27 6.03 -37.64	142.18 6.10 -46.45	159.96 6.03 -65.24	150.48 6.04 -55.66	147.40 6.03 -52.77	148.95 5.86 -55.67	153.15 6.16 -57.68	168.47 8.36 -23.00	183.95 9.17 -19.27	241.37 12.77 -0.60	222.85 11.32 -1.89	218.95 11.28 -2.49	189.62 8.96 -14.69	165.38 7.86 -19.69	172.10 8.06 -14.69	170.12 8.26 0.00
CH_MIDHUDSON___DRP 24192	142.66 5.51 -54.90	143.35 5.51 -53.14	146.79 5.23 -58.58	138.24 5.36 -47.87	132.70 5.27 -42.43	132.96 5.63 -41.98	142.97 5.71 -51.99	141.84 6.40 -50.09	138.51 7.27 -42.64	148.84 7.26 -51.95	168.25 7.27 -72.29	158.07 7.28 -62.00	154.85 7.35 -58.89	156.45 7.17 -61.86	160.68 7.41 -63.96	173.66 10.28 -26.27	189.49 11.35 -22.63	244.63 15.96 -0.66	226.00 14.26 -2.10	221.89 13.95 -2.77	193.58 11.29 -16.33	169.36 9.65 -21.88	175.68 10.01 -16.33	172.23 10.36 0.00
CH_MISC_IPPS 23765	141.95 5.76 -53.94	142.67 5.76 -52.21	145.93 5.39 -57.56	137.57 5.52 -47.04	132.14 5.45 -41.69	132.48 5.88 -41.24	142.31 5.97 -51.08	141.00 6.66 -48.99	137.85 7.62 -41.62	148.09 7.61 -50.84	167.20 7.63 -70.88	157.23 7.72 -60.73	153.97 7.70 -57.66	155.56 7.52 -60.62	159.95 7.95 -62.70	173.68 10.97 -25.60	189.89 12.45 -21.94	246.22 17.56 -0.65	227.43 15.73 -2.05	223.28 15.40 -2.71	194.40 12.45 -15.99	169.60 10.34 -21.42	175.93 10.60 -15.99	172.88 11.01 0.00
CH_RES_BVR_FALLS 23983	81.27 -0.98 0.00	83.77 -0.93 0.00	82.15 -0.83 0.00	84.24 -0.77 0.00	84.32 -0.68 0.00	84.50 -0.85 0.00	84.41 -0.85 0.00	84.50 -0.85 0.00	87.45 -1.15 0.00	88.47 -1.17 0.00	87.63 -1.06 0.00	87.81 -0.97 0.00	87.63 -0.97 0.00	86.54 -0.87 0.00	88.23 -1.07 0.00	136.15 -0.95 0.00	154.10 -1.40 0.00	226.18 -1.83 0.00	207.96 -1.68 0.00	203.53 -1.65 0.00	164.63 -1.33 0.00	136.87 -0.96 0.00	148.31 -1.04 0.00	160.74 -1.13 0.00
CH_RES_NIAGARA 23895	86.13 -4.61 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.36 -7.40	86.29 -5.27 -6.55	87.23 -4.61 -6.49	87.24 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.38 -8.43 -11.12	89.38 -8.43 -9.03	88.61 -8.42 -8.42	88.21 -8.57 -9.36	90.83 -8.39 -9.92	122.83 -16.86 -2.58	137.62 -17.88 0.00	197.56 -30.55 -0.11	180.84 -29.14 -0.34	177.10 -28.52 -0.45	146.04 -22.57 -2.65	121.11 -20.26 -3.54	132.57 -19.41 -2.65	143.42 -18.45 0.00
CH_RES_SYRACUSE 23985	88.60 0.65 -5.70	90.81 0.60 -5.51	89.64 0.58 -6.08	90.49 0.51 -4.97	89.92 0.51 -4.40	90.47 0.77 -4.36	91.51 0.85 -5.39	89.68 0.94 -3.39	90.30 1.33 -0.36	92.93 1.43 -1.87	94.41 1.33 -4.38	93.10 1.33 -2.98	92.51 1.33 -2.57	91.67 1.05 -3.20	94.30 1.42 -3.58	137.93 0.83 0.00	156.74 1.24 0.00	227.33 0.00 0.00	207.75 0.00 0.00	203.32 0.00 0.00	164.14 0.00 0.00	136.33 -1.51 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00
CLINTON_WT_PWR 323605	79.95 -2.30 0.00	82.42 -2.28 0.00	80.74 -2.24 0.00	83.14 -1.87 0.00	83.31 -1.70 0.00	83.22 -2.13 0.00	83.05 -2.22 0.00	83.13 -2.22 0.00	85.86 -2.75 0.00	86.95 -2.69 0.00	86.48 -2.21 0.00	86.65 -2.13 0.00	86.57 -2.03 0.00	85.75 -1.66 0.00	87.16 -2.14 0.00	135.74 -1.37 0.00	153.65 -1.86 0.00	226.42 -1.58 0.00	208.39 -1.25 0.00	203.75 -1.43 0.00	164.97 -0.99 0.00	137.01 -0.82 0.00	148.14 -1.20 0.00	161.55 -0.32 0.00
CLINTON___LFGE 323618	81.18 -1.07 0.00	83.77 -0.93 0.00	81.99 -0.99 0.00	84.58 -0.42 0.00	84.58 -0.42 0.00	84.41 -0.94 0.00	84.07 -1.19 0.00	84.15 -1.19 0.00	86.92 -1.69 0.00	88.20 -1.44 0.00	87.72 -0.97 0.00	87.90 -0.89 0.00	87.81 -0.80 0.00	86.90 -0.52 0.00	88.32 -0.98 0.00	137.24 0.14 0.00	155.51 0.00 0.00	229.38 1.38 0.00	211.12 1.48 0.00	206.21 1.03 0.00	167.13 1.17 0.00	138.66 0.83 0.00	149.94 0.60 0.00	163.82 1.95 0.00
COBBLENY_34_KV_TB1 80064	88.42 -3.37 -9.55	90.30 -3.64 -9.24	89.60 -3.57 -10.19	89.34 -4.00 -8.33	88.48 -3.91 -7.38	89.49 -3.16 -7.30	90.38 -3.92 -9.04	85.82 -5.21 -5.67	89.49 -4.96 -5.84	92.62 -5.38 -8.37	95.50 -5.76 -12.58	93.32 -5.68 -10.22	92.47 -5.67 -9.54	92.16 -5.86 -10.60	94.90 -5.63 -11.23	129.90 -10.15 -2.94	145.24 -10.26 0.00	207.84 -20.29 -0.12	190.11 -19.92 -0.39	186.81 -18.88 -0.51	155.03 -13.94 -3.01	127.25 -14.61 -4.03	140.40 -11.95 -3.01	150.86 -11.01 0.00
COFFEEN___115KV_TB3 355620	86.33 1.32 -2.77	88.99 1.61 -2.68	87.51 1.58 -2.95	89.21 1.79 -2.41	88.76 1.62 -2.14	89.43 1.96 -2.12	90.27 2.39 -2.62	89.64 2.65 -1.64	91.89 3.10 -0.18	93.86 3.32 -0.91	94.46 3.64 -2.13	93.78 3.55 -1.45	92.60 2.75 -1.25	91.25 2.27 -1.56	93.36 2.32 -1.74	140.53 3.43 0.00	160.64 5.13 0.00	236.90 8.89 0.00	216.98 7.34 0.00	212.36 7.18 0.00	171.27 5.31 0.00	141.56 3.72 -0.01	153.38 4.03 0.00	165.92 4.05 0.00
COLDSPRG_115KV_BK1 355956	90.91 -1.40 -10.05	92.82 -1.61 -9.73	92.13 -1.58 -10.73	91.82 -1.96 -8.77	90.99 -1.79 -7.77	92.10 -0.94 -7.69	93.25 -1.53 -9.52	92.26 -2.56 -9.48	94.70 -2.04 -8.13	97.05 -2.33 -9.74	99.34 -2.75 -13.40	97.70 -2.66 -11.57	97.06 -2.57 -11.02	96.04 -2.88 -11.51	98.49 -2.68 -11.87	138.47 -3.70 -5.06	157.09 -2.95 -4.54	218.10 -10.03 -0.13	198.94 -11.11 -0.41	195.87 -9.85 -0.54	163.17 -5.97 -3.18	133.00 -9.10 -4.26	147.30 -5.23 -3.18	157.66 -4.21 0.00
COLONIE_LFGE___ 323577	153.93 4.93 -66.75	154.39 5.08 -64.61	159.10 4.89 -71.22	148.23 5.01 -58.21	141.60 5.01 -51.58	141.51 5.12 -51.04	153.59 5.12 -63.21	275.16 5.63 -184.18	294.08 6.11 -199.37	269.86 6.18 -174.05	266.39 6.21 -171.49	276.87 6.12 -181.96	278.69 6.11 -183.97	258.79 5.95 -165.42	252.76 6.16 -157.30	290.80 8.64 -145.05	352.56 9.80 -187.25	243.81 13.45 -2.35	229.23 12.15 -7.43	226.87 11.90 -9.80	233.45 9.62 -57.87	222.96 7.99 -77.14	215.72 8.51 -57.87	171.09 9.22 0.00
COOPERNY_115KV_TB1 80082	126.47 3.37 -40.85	127.63 3.39 -39.54	129.72 3.15 -43.59	123.95 3.32 -35.62	119.89 3.32 -31.57	120.08 3.50 -31.23	127.53 3.58 -38.68	125.79 4.01 -36.43	124.00 4.61 -30.78	132.17 4.57 -37.96	146.50 4.52 -53.28	138.88 4.62 -45.47	136.33 4.61 -43.12	137.36 4.46 -45.48	141.06 4.64 -47.12	162.22 6.31 -18.81	178.25 7.00 -15.75	238.07 9.58 -0.49	219.58 8.39 -1.55	215.63 8.41 -2.05	184.84 6.80 -12.08	159.80 5.79 -16.18	167.54 6.12 -12.08	168.02 6.15 0.00
COPENHAGEN_WT_PWR 323753	85.60 0.50 -2.86	88.23 0.76 -2.77	86.77 0.75 -3.05	88.44 0.94 -2.49	87.98 0.76 -2.21	88.56 1.03 -2.18	89.42 1.45 -2.71	88.67 1.62 -1.70	90.74 1.95 -0.18	92.72 2.15 -0.94	93.37 2.48 -2.20	92.68 2.40 -1.49	91.57 1.68 -1.29	90.25 1.22 -1.61	92.35 1.25 -1.79	138.88 1.78 0.00	158.31 2.80 0.00	233.26 5.25 0.00	213.62 3.97 0.00	209.28 4.10 0.00	168.61 2.65 0.00	139.77 1.93 -0.01	151.43 2.09 0.00	163.82 1.95 0.00
CORNELL_____ 23752	96.91 2.14 -12.53	98.94 2.12 -12.12	98.42 2.07 -13.37	98.06 2.13 -10.92	96.81 2.13 -9.68	97.49 2.56 -9.58	99.77 2.64 -11.86	100.30 2.65 -12.30	102.59 3.10 -10.88	105.52 3.14 -12.74	108.90 3.02 -17.19	106.90 3.11 -15.01	105.96 3.01 -14.34	104.99 2.71 -14.86	107.69 3.13 -15.26	147.80 3.84 -6.85	167.08 5.29 -6.29	234.34 6.16 -0.17	214.59 4.40 -0.54	210.20 4.31 -0.72	173.51 3.32 -4.23	145.70 2.21 -5.66	156.11 2.54 -4.23	164.78 2.91 0.00



CORONA__69_KV_TB1 355595	170.16 7.90 -80.01	170.39 7.79 -77.90	147.91 7.22 -57.71	139.58 7.40 -47.17	134.30 7.48 -41.81	166.67 8.02 -73.30	170.24 8.10 -76.88	169.82 8.96 -75.51	173.84 10.01 -75.22	177.12 10.04 -77.45	278.27 9.84 -179.73	310.75 9.94 -212.02	287.36 9.92 -188.83	286.10 9.62 -189.07	303.22 10.00 -203.92	289.86 14.12 -138.63	301.79 16.02 -130.27	360.20 22.34 -109.85	337.84 19.92 -108.28	316.87 19.70 -92.00	306.12 15.77 -124.39	314.65 13.23 -163.58	193.69 14.34 -30.01	187.73 13.76 -12.11
CORTLAND__115KV_TB3 80093	93.78 1.32 -10.21	95.86 1.27 -9.89	95.20 1.33 -10.90	95.19 1.28 -8.91	94.18 1.28 -7.89	94.78 1.62 -7.81	96.64 1.71 -9.67	96.73 1.71 -9.68	99.06 2.13 -8.33	101.74 2.15 -9.95	104.48 2.13 -13.66	102.73 2.13 -11.81	101.90 2.04 -11.25	100.99 1.84 -11.74	103.54 2.14 -12.10	144.63 2.33 -5.20	163.45 3.27 -4.67	231.79 3.65 -0.13	212.37 2.31 -0.42	207.98 2.26 -0.55	171.04 1.83 -3.26	143.02 0.83 -4.36	153.79 1.19 -3.26	163.33 1.46 0.00
COXSACKIE__GT 23611	151.17 6.09 -62.84	151.88 6.36 -60.82	156.17 6.14 -67.05	145.93 6.12 -54.79	139.52 5.95 -48.56	139.71 6.32 -48.04	151.08 6.31 -59.50	194.31 6.57 -102.39	198.44 7.17 -102.66	196.64 7.08 -99.93	208.66 6.74 -113.23	205.39 6.74 -109.86	204.02 7.00 -108.41	198.13 7.00 -103.71	199.02 7.50 -102.21	219.18 10.70 -71.37	252.54 12.75 -84.28	247.76 18.46 -1.29	230.08 16.36 -4.07	226.14 15.59 -5.37	209.98 12.28 -31.73	190.42 10.20 -42.39	192.42 11.34 -31.73	176.12 14.25 0.00
CPV_VALLEY__CC1 323721	132.91 3.87 -46.79	133.80 3.81 -45.29	136.47 3.57 -49.93	129.46 3.65 -40.80	124.82 3.65 -36.16	125.05 3.93 -35.77	133.50 3.92 -44.31	131.41 4.52 -41.54	128.83 5.23 -34.99	138.20 5.29 -43.27	154.79 5.23 -60.86	145.91 5.24 -51.88	143.01 5.23 -49.18	144.40 5.07 -51.92	148.47 5.36 -53.81	165.58 7.13 -21.35	181.38 8.08 -17.79	239.73 11.17 -0.56	221.46 10.06 -1.76	217.34 9.85 -2.32	187.60 7.97 -13.68	162.78 6.62 -18.33	169.89 6.87 -13.68	168.82 6.96 0.00
CPV_VALLEY__CC2 323722	132.91 3.87 -46.79	133.80 3.81 -45.29	136.47 3.57 -49.93	129.46 3.65 -40.80	124.82 3.65 -36.16	125.05 3.93 -35.77	133.50 3.92 -44.31	131.41 4.52 -41.54	128.83 5.23 -34.99	138.20 5.29 -43.27	154.79 5.23 -60.86	145.91 5.24 -51.88	143.01 5.23 -49.18	144.40 5.07 -51.92	148.47 5.36 -53.81	165.58 7.13 -21.35	181.38 8.08 -17.79	239.73 11.17 -0.56	221.46 10.06 -1.76	217.34 9.85 -2.32	187.60 7.97 -13.68	162.78 6.62 -18.33	169.89 6.87 -13.68	168.82 6.96 0.00
CRESCENT__HYD 24018	153.93 4.93 -66.75	154.39 5.08 -64.61	159.10 4.89 -71.22	148.23 5.01 -58.21	141.60 5.01 -51.58	141.51 5.12 -51.04	153.59 5.12 -63.21	275.16 5.63 -184.18	294.08 6.11 -199.37	269.86 6.18 -174.05	266.39 6.21 -171.49	276.87 6.12 -181.96	278.69 6.11 -183.97	258.79 5.95 -165.42	252.76 6.16 -157.30	290.80 8.64 -145.05	352.56 9.80 -187.25	243.81 13.45 -2.35	229.23 12.15 -7.43	226.87 11.90 -9.80	233.45 9.62 -57.87	222.96 7.99 -77.14	215.72 8.51 -57.87	171.09 9.22 0.00
CRICKET__VALLEY_CC1 323756	144.33 5.34 -56.74	144.96 5.34 -54.92	148.58 5.06 -60.54	139.67 5.19 -49.48	134.04 5.19 -43.85	134.20 5.47 -43.38	144.53 5.54 -53.73	147.92 6.32 -56.25	145.12 7.09 -49.42	154.42 7.08 -57.71	173.52 7.10 -77.73	163.74 7.01 -67.94	160.46 6.92 -64.93	161.35 6.73 -67.20	165.34 7.05 -68.98	178.10 9.74 -31.26	195.42 10.72 -29.20	243.76 15.04 -0.71	225.51 13.62 -2.25	221.47 13.33 -2.96	194.23 10.78 -17.49	170.09 8.83 -23.43	175.94 9.11 -17.49	171.42 9.55 0.00
CRICKET__VALLEY_CC2 323757	144.33 5.34 -56.74	144.96 5.34 -54.92	148.58 5.06 -60.54	139.67 5.19 -49.48	134.04 5.19 -43.85	134.20 5.47 -43.38	144.53 5.54 -53.73	147.92 6.32 -56.25	145.12 7.09 -49.42	154.42 7.08 -57.71	173.52 7.10 -77.73	163.74 7.01 -67.94	160.46 6.92 -64.93	161.35 6.73 -67.20	165.34 7.05 -68.98	178.10 9.74 -31.26	195.42 10.72 -29.20	243.76 15.04 -0.71	225.51 13.62 -2.25	221.47 13.33 -2.96	194.23 10.78 -17.49	170.09 8.83 -23.43	175.94 9.11 -17.49	171.42 9.55 0.00
CRICKET__VALLEY_CC3 323758	144.33 5.34 -56.74	144.96 5.34 -54.92	148.58 5.06 -60.54	139.67 5.19 -49.48	134.04 5.19 -43.85	134.20 5.47 -43.38	144.53 5.54 -53.73	147.92 6.32 -56.25	145.12 7.09 -49.42	154.42 7.08 -57.71	173.52 7.10 -77.73	163.74 7.01 -67.94	160.46 6.92 -64.93	161.35 6.73 -67.20	165.34 7.05 -68.98	178.10 9.74 -31.26	195.42 10.72 -29.20	243.76 15.04 -0.71	225.51 13.62 -2.25	221.47 13.33 -2.96	194.23 10.78 -17.49	170.09 8.83 -23.43	175.94 9.11 -17.49	171.42 9.55 0.00
CRUCIBLE_METL_DRP 24180	88.60 0.66 -5.70	90.81 0.59 -5.51	89.64 0.58 -6.08	90.49 0.51 -4.97	89.92 0.51 -4.40	90.47 0.77 -4.36	91.51 0.85 -5.39	89.67 0.94 -3.39	90.30 1.33 -0.36	92.94 1.43 -1.87	94.49 1.42 -4.38	93.18 1.42 -2.98	92.50 1.33 -2.57	91.67 1.05 -3.20	94.31 1.43 -3.58	137.93 0.82 0.00	157.06 1.56 0.00	227.55 -0.46 0.00	207.97 -1.68 0.00	203.33 -1.85 0.00	164.47 -1.49 0.00	136.33 -1.52 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00
DAHOWA__HYDRO 323763	156.03 6.00 -67.78	156.57 6.27 -65.61	161.36 6.05 -72.32	150.24 6.12 -59.10	143.59 6.20 -52.38	143.49 6.32 -51.82	155.85 6.40 -64.18	295.39 5.72 -204.32	317.86 6.20 -223.06	288.02 6.18 -192.20	280.78 6.30 -185.79	294.91 6.48 -199.64	297.48 6.38 -202.49	274.17 6.21 -180.55	266.71 6.61 -170.80	309.95 9.74 -163.11	379.56 11.51 -212.55	247.12 16.43 -2.68	233.02 14.89 -8.49	230.94 14.57 -11.20	243.51 11.44 -66.11	236.82 10.89 -88.10	226.95 11.50 -66.11	174.17 12.30 0.00
DANC__LFGE 323619	85.27 -0.33 -3.35	87.77 -0.17 -3.24	86.39 -0.17 -3.58	87.84 -0.08 -2.92	87.26 -0.34 -2.59	87.91 0.00 -2.56	88.70 0.26 -3.17	87.77 0.43 -1.99	89.53 0.71 -0.21	91.63 0.90 -1.10	92.25 0.98 -2.58	91.51 0.98 -1.75	90.56 0.45 -1.51	89.48 0.18 -1.88	91.58 0.18 -2.10	136.97 -0.14 0.00	155.97 0.47 0.00	229.15 1.15 0.00	210.27 0.63 0.00	205.79 0.62 0.00	165.96 0.00 0.00	137.57 -0.28 -0.01	149.19 -0.15 0.00	161.55 -0.32 0.00
DANSKAMMER__1 23586	141.95 5.76 -53.94	142.67 5.76 -52.21	145.93 5.39 -57.56	137.57 5.52 -47.04	132.14 5.45 -41.69	132.48 5.88 -41.24	142.31 5.97 -51.08	141.00 6.66 -48.99	137.85 7.62 -41.62	148.09 7.61 -50.84	167.20 7.63 -70.88	157.23 7.72 -60.73	153.97 7.70 -57.66	155.56 7.52 -60.62	159.95 7.95 -62.70	173.68 10.97 -25.60	189.89 12.45 -21.94	246.22 17.56 -0.65	227.43 15.73 -2.05	223.28 15.40 -2.71	194.40 12.45 -15.99	169.60 10.34 -21.42	175.93 10.60 -15.99	172.88 11.01 0.00
DANSKAMMER__2 23589	141.95 5.76 -53.94	142.67 5.76 -52.21	145.93 5.39 -57.56	137.57 5.52 -47.04	132.14 5.45 -41.69	132.48 5.88 -41.24	142.31 5.97 -51.08	141.00 6.66 -48.99	137.85 7.62 -41.62	148.09 7.61 -50.84	167.20 7.63 -70.88	157.23 7.72 -60.73	153.97 7.70 -57.66	155.56 7.52 -60.62	159.95 7.95 -62.70	173.68 10.97 -25.60	189.89 12.45 -21.94	246.22 17.56 -0.65	227.43 15.73 -2.05	223.28 15.40 -2.71	194.40 12.45 -15.99	169.60 10.34 -21.42	175.93 10.60 -15.99	172.88 11.01 0.00
DANSKAMMER__3 23590	141.95 5.76 -53.94	142.67 5.76 -52.21	145.93 5.39 -57.56	137.57 5.52 -47.04	132.14 5.45 -41.69	132.48 5.88 -41.24	142.31 5.97 -51.08	141.00 6.66 -48.99	137.85 7.62 -41.62	148.09 7.61 -50.84	167.20 7.63 -70.88	157.23 7.72 -60.73	153.97 7.70 -57.66	155.56 7.52 -60.62	159.95 7.95 -62.70	173.68 10.97 -25.60	189.89 12.45 -21.94	246.22 17.56 -0.65	227.43 15.73 -2.05	223.28 15.40 -2.71	194.40 12.45 -15.99	169.60 10.34 -21.42	175.93 10.60 -15.99	172.88 11.01 0.00



DANSKAMMER___4 23591	141.95 5.76 -53.94	142.67 5.76 -52.21	145.93 5.39 -57.56	137.57 5.52 -47.04	132.14 5.45 -41.69	132.48 5.88 -41.24	142.31 5.97 -51.08	141.00 6.66 -48.99	137.85 7.62 -41.62	148.09 7.61 -50.84	167.20 7.63 -70.88	157.23 7.72 -60.73	153.97 7.70 -57.66	155.56 7.52 -60.62	159.95 7.95 -62.70	173.68 10.97 -25.60	189.89 12.45 -21.94	246.22 17.56 -0.65	227.43 15.73 -2.05	223.28 15.40 -2.71	194.40 12.45 -15.99	169.60 10.34 -21.42	175.93 10.60 -15.99	172.88 11.01 0.00
DANSKAMMER___DIESEL 23592	141.95 5.76 -53.94	142.67 5.76 -52.21	145.93 5.39 -57.56	137.57 5.53 -47.04	132.13 5.44 -41.69	132.48 5.89 -41.24	142.31 5.97 -51.08	141.00 6.66 -48.99	137.85 7.62 -41.62	148.09 7.62 -50.84	167.20 7.63 -70.88	157.24 7.72 -60.73	153.97 7.71 -57.66	155.56 7.52 -60.62	159.87 7.86 -62.70	173.68 10.97 -25.60	189.73 12.28 -21.94	245.76 17.10 -0.65	227.00 15.30 -2.06	222.87 14.98 -2.71	193.93 11.95 -16.02	169.63 10.34 -21.47	175.97 10.60 -16.02	172.88 11.01 0.00
DARBY___SOLAR 323810	155.55 5.67 -67.63	156.09 5.93 -65.46	160.95 5.81 -72.17	149.84 5.86 -58.98	143.13 5.86 -52.26	143.03 5.97 -51.71	155.36 6.05 -64.04	292.76 5.54 -201.86	314.81 6.03 -220.18	285.63 6.01 -189.99	278.85 6.12 -184.04	292.39 6.12 -197.48	294.95 6.11 -200.23	272.14 6.03 -178.70	264.79 6.34 -169.15	307.35 9.33 -160.91	376.02 11.04 -209.48	246.16 15.51 -2.64	232.05 14.05 -8.35	229.95 13.75 -11.02	242.00 10.95 -65.09	234.78 10.20 -86.75	225.19 10.76 -65.09	173.36 11.49 0.00
DASHVILLE___HYD 23610	141.75 4.03 -55.47	142.37 3.98 -53.69	145.90 3.73 -59.19	137.20 3.83 -48.37	131.61 3.74 -42.87	131.77 4.01 -42.41	141.97 4.18 -52.52	149.57 4.69 -59.53	147.93 5.58 -53.74	155.69 5.56 -60.50	173.26 5.50 -79.07	164.72 5.59 -70.35	161.81 5.58 -67.62	161.86 5.42 -69.02	165.48 5.80 -70.37	179.64 7.82 -34.72	198.63 8.71 -34.42	240.87 12.08 -0.78	222.80 10.69 -2.46	218.89 10.46 -3.25	193.42 8.30 -19.16	170.93 7.44 -25.65	175.83 7.32 -19.16	171.42 9.55 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	148.35 10.36 -55.74	148.76 10.08 -53.98	150.02 9.38 -57.66	142.33 10.20 -47.12	137.31 10.54 -41.76	140.11 11.35 -43.41	149.46 11.34 -52.85	149.54 12.29 -51.90	150.05 13.38 -48.06	154.88 13.18 -52.07	177.82 11.80 -77.33	170.73 12.25 -69.69	165.98 12.05 -65.32	167.54 11.89 -68.24	172.89 12.41 -71.18	187.00 17.82 -32.07	203.75 20.37 -27.87	260.53 25.08 -7.44	221.65 22.01 10.01	220.38 21.75 6.55	201.20 16.93 -18.31	175.78 14.06 -23.89	163.69 15.08 0.74	161.98 15.05 14.95
DELAWARE___LFGE 323621	108.87 3.04 -23.57	110.82 3.30 -22.82	111.45 3.32 -25.15	108.96 3.40 -20.56	106.62 3.40 -18.22	107.04 3.67 -18.02	111.08 3.50 -22.32	125.59 3.67 -36.57	131.77 4.25 -38.91	132.37 4.30 -38.43	136.87 4.35 -43.84	135.36 4.35 -42.23	134.46 4.25 -41.60	131.60 4.02 -40.17	133.35 4.29 -39.76	169.55 5.90 -26.55	191.59 6.84 -29.24	238.37 9.80 -0.56	219.80 8.39 -1.77	215.92 8.41 -2.34	186.40 6.64 -13.80	161.48 5.24 -18.42	168.96 5.82 -13.80	168.02 6.15 0.00
DERFIELD_115KV_TB7 355931	82.99 0.74 0.00	85.46 0.76 0.00	83.73 0.75 0.00	85.77 0.77 0.00	85.86 0.85 0.00	86.29 0.94 0.00	86.12 0.85 0.00	86.20 0.85 0.00	89.67 1.06 0.00	90.80 1.17 0.00	89.76 1.06 0.00	89.85 1.07 0.00	89.67 1.06 0.00	88.47 1.05 0.00	90.37 1.07 0.00	138.34 1.23 0.00	156.91 1.40 0.00	230.06 2.05 0.00	211.32 1.68 0.00	206.82 1.64 0.00	167.29 1.33 0.00	138.93 1.10 0.00	150.69 1.34 0.00	163.16 1.29 0.00
DOGLEVILLE___HYD 23807	85.13 2.88 0.00	87.58 2.88 0.00	85.80 2.82 0.00	88.06 3.06 0.00	88.24 3.23 0.00	89.02 3.67 0.00	88.93 3.66 0.00	89.19 3.84 0.00	92.95 4.34 0.00	94.20 4.57 0.00	93.39 4.70 0.00	93.58 4.79 0.00	93.30 4.69 0.00	91.96 4.54 0.00	93.94 4.64 0.00	143.42 6.31 0.00	162.66 7.16 0.00	238.28 10.27 0.00	218.45 8.80 0.00	213.59 8.42 0.00	172.61 6.65 0.00	143.07 5.24 0.00	155.32 5.98 0.00	168.35 6.48 0.00
DUNKIRK___115KV_TB_200 55889	89.37 -2.22 -9.34	91.29 -2.46 -9.04	90.54 -2.41 -9.97	90.35 -2.81 -8.15	89.59 -2.64 -7.22	90.61 -1.88 -7.14	91.47 -2.64 -8.85	86.98 -3.93 -5.55	90.77 -3.54 -5.71	93.87 -3.94 -8.18	96.55 -4.43 -12.29	94.43 -4.35 -9.99	93.59 -4.34 -9.32	93.23 -4.55 -10.36	95.99 -4.29 -10.98	131.20 -8.77 -2.87	146.80 -8.71 0.00	210.80 -17.33 -0.12	192.83 -17.19 -0.38	189.46 -16.21 -0.50	156.79 -12.12 -2.94	128.95 -12.82 -3.94	141.68 -10.60 -2.94	152.32 -9.55 0.00
DUNKIRK___1 23563	89.37 -2.22 -9.34	91.29 -2.46 -9.04	90.54 -2.41 -9.97	90.35 -2.81 -8.15	89.59 -2.64 -7.22	90.61 -1.88 -7.14	91.47 -2.64 -8.85	86.98 -3.93 -5.55	90.77 -3.54 -5.71	93.87 -3.94 -8.18	96.55 -4.43 -12.29	94.43 -4.35 -9.99	93.59 -4.34 -9.32	93.23 -4.55 -10.36	95.99 -4.29 -10.98	131.20 -8.77 -2.87	146.80 -8.71 0.00	210.80 -17.33 -0.12	192.83 -17.19 -0.38	189.46 -16.21 -0.50	156.79 -12.12 -2.94	128.95 -12.82 -3.94	141.68 -10.60 -2.94	152.32 -9.55 0.00
DUNKIRK___2 23564	89.37 -2.22 -9.34	91.29 -2.46 -9.04	90.54 -2.41 -9.97	90.35 -2.81 -8.15	89.59 -2.64 -7.22	90.61 -1.88 -7.14	91.47 -2.64 -8.85	86.98 -3.93 -5.55	90.77 -3.54 -5.71	93.87 -3.94 -8.18	96.55 -4.43 -12.29	94.43 -4.35 -9.99	93.59 -4.34 -9.32	93.23 -4.55 -10.36	95.99 -4.29 -10.98	131.20 -8.77 -2.87	146.80 -8.71 0.00	210.80 -17.33 -0.12	192.83 -17.19 -0.38	189.46 -16.21 -0.50	156.79 -12.12 -2.94	128.95 -12.82 -3.94	141.68 -10.60 -2.94	152.32 -9.55 0.00
DUNKIRK___3 23565	88.76 -2.71 -9.23	90.67 -2.96 -8.93	89.92 -2.90 -9.85	89.74 -3.32 -8.05	88.91 -3.23 -7.13	89.93 -2.48 -7.05	90.76 -3.24 -8.74	86.31 -4.52 -5.48	90.07 -4.16 -5.63	93.13 -4.57 -8.07	95.77 -5.06 -12.14	93.68 -4.97 -9.86	92.85 -4.96 -9.20	92.49 -5.16 -10.23	95.23 -4.91 -10.84	130.34 -9.60 -2.83	145.86 -9.64 0.00	209.20 -18.92 -0.12	191.36 -18.66 -0.37	188.02 -17.65 -0.49	155.75 -13.11 -2.90	128.07 -13.65 -3.88	140.74 -11.50 -2.90	151.35 -10.52 0.00
DUNKIRK___4 23566	88.76 -2.71 -9.23	90.67 -2.96 -8.93	89.92 -2.90 -9.85	89.74 -3.32 -8.05	88.91 -3.23 -7.13	89.93 -2.48 -7.05	90.76 -3.24 -8.74	86.31 -4.52 -5.48	90.07 -4.16 -5.63	93.13 -4.57 -8.07	95.77 -5.06 -12.14	93.68 -4.97 -9.86	92.85 -4.96 -9.20	92.49 -5.16 -10.23	95.23 -4.91 -10.84	130.34 -9.60 -2.83	145.86 -9.64 0.00	209.20 -18.92 -0.12	191.36 -18.66 -0.37	188.02 -17.65 -0.49	155.75 -13.11 -2.90	128.07 -13.65 -3.88	140.74 -11.50 -2.90	151.35 -10.52 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	142.04 5.76 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.11	132.20 5.44 -41.75	132.46 5.80 -41.31	142.31 5.88 -51.16	140.54 6.83 -48.36	137.16 7.71 -40.85	147.72 7.80 -50.29	166.92 7.72 -70.51	156.81 7.81 -60.22	153.51 7.80 -57.11	155.22 7.61 -60.20	159.51 7.86 -62.35	172.94 10.83 -25.00	188.54 11.97 -21.06	245.07 16.42 -0.64	226.36 14.68 -2.04	222.43 14.57 -2.69	193.61 11.78 -15.87	169.30 10.20 -21.27	175.67 10.45 -15.87	172.55 10.68 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	139.61 5.10 -52.26	140.28 5.00 -50.58	143.47 4.73 -55.76	135.42 4.85 -45.57	130.15 4.76 -40.38	130.43 5.12 -39.96	139.95 5.20 -49.49	138.58 5.89 -47.34	135.53 6.73 -40.19	145.51 6.72 -49.15	163.93 6.65 -68.59	154.27 6.75 -58.74	151.19 6.82 -55.76	152.71 6.64 -58.65	156.86 6.88 -60.68	171.26 9.46 -24.70	187.18 10.57 -21.10	243.23 14.59 -0.63	224.63 13.00 -1.99	220.73 12.93 -2.63	191.77 10.29 -15.52	167.59 8.96 -20.80	174.12 9.26 -15.52	171.26 9.39 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	141.96 5.68 -54.03	142.25 5.25 -52.30	145.45 4.81 -57.65	137.05 4.93 -47.12	131.86 5.10 -41.76	131.95 5.29 -41.31	141.89 5.46 -51.17	140.20 6.49 -48.37	136.99 7.53 -40.85	147.54 7.62 -50.29	166.83 7.63 -70.52	156.82 7.81 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.69 8.04 -62.35	172.94 10.83 -25.00	187.92 11.35 -21.06	243.93 15.28 -0.64	225.31 13.63 -2.04	221.40 13.54 -2.69	192.78 10.95 -15.87	169.30 10.20 -21.27	175.82 10.60 -15.87	173.20 11.33 0.00
E179THST_13_KV_LOAD 356214	142.29 6.00 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.39 5.27 -47.12	132.20 5.44 -41.76	132.30 5.63 -41.31	142.23 5.80 -51.17	140.54 6.83 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.28 8.07 -70.52	157.26 8.26 -60.22	154.22 8.51 -57.11	156.01 8.39 -60.21	160.14 8.48 -62.35	173.62 11.52 -25.00	188.85 12.28 -21.06	245.07 16.42 -0.64	226.36 14.68 -2.04	222.43 14.57 -2.69	193.78 11.95 -15.87	169.99 10.89 -21.27	176.41 11.20 -15.87	173.85 11.98 0.00
EAST HAMPTON___GT 23717	148.18 10.20 -55.74	148.59 9.91 -53.98	149.93 9.29 -57.66	142.41 10.28 -47.12	137.56 10.80 -41.76	140.45 11.69 -43.41	149.89 11.77 -52.85	149.97 12.72 -51.90	150.48 13.82 -48.06	155.42 13.71 -52.07	178.61 12.59 -77.33	171.53 13.06 -69.69	166.96 13.03 -65.32	168.42 12.76 -68.24	173.79 13.31 -71.18	188.23 19.05 -32.08	204.22 20.84 -27.87	259.61 24.16 -7.44	221.85 22.21 10.01	218.94 20.32 6.55	200.01 15.77 -18.28	174.22 12.54 -23.85	161.86 13.29 0.77	163.11 16.19 14.95
EAST RIVER___6 23660	141.76 6.00 -53.51	141.96 5.76 -51.50	144.89 5.32 -56.60	137.24 5.52 -46.71	132.28 5.52 -41.75	132.54 5.88 -41.31	141.87 6.22 -50.38	140.96 7.25 -48.36	137.78 8.33 -40.84	148.34 8.42 -50.29	167.63 8.43 -70.51	157.61 8.61 -60.21	154.31 8.59 -57.11	156.01 8.39 -60.20	160.31 8.66 -62.35	174.03 11.92 -25.00	190.26 13.69 -21.06	247.81 19.16 -0.64	229.07 17.39 -2.03	224.88 17.02 -2.68	195.56 13.77 -15.84	170.21 11.16 -21.22	176.68 11.50 -15.84	173.53 11.66 0.00
EAST RIVER___7 23524	141.76 6.00 -53.51	141.96 5.76 -51.50	144.89 5.32 -56.60	137.24 5.52 -46.71	132.28 5.52 -41.75	132.54 5.88 -41.31	141.87 6.22 -50.38	140.96 7.25 -48.36	137.78 8.33 -40.84	148.34 8.42 -50.29	167.63 8.43 -70.51	157.61 8.61 -60.21	154.31 8.59 -57.11	156.01 8.39 -60.20	160.31 8.66 -62.35	174.03 11.92 -25.00	190.26 13.69 -21.06	247.81 19.16 -0.64	229.07 17.39 -2.03	224.88 17.02 -2.68	195.56 13.77 -15.84	170.21 11.16 -21.22	176.68 11.50 -15.84	173.53 11.66 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	141.76 5.59 -53.92	142.31 5.42 -52.19	145.66 5.14 -57.53	137.30 5.27 -47.02	131.95 5.27 -41.67	132.21 5.63 -41.23	142.12 5.80 -51.06	140.19 6.57 -48.27	136.91 7.53 -40.77	147.35 7.53 -50.19	166.51 7.45 -70.37	156.43 7.55 -60.10	153.14 7.53 -57.00	154.84 7.34 -60.08	159.12 7.59 -62.23	172.48 10.42 -24.95	188.04 11.51 -21.03	244.61 15.96 -0.64	225.93 14.26 -2.03	222.01 14.16 -2.68	193.25 11.45 -15.84	168.98 9.92 -21.23	175.34 10.16 -15.84	172.23 10.36 0.00
EAST_HAMPTON___DIESEL 23722	148.10 10.11 -55.74	148.50 9.82 -53.98	149.77 9.13 -57.66	142.32 10.20 -47.12	137.56 10.80 -41.76	140.37 11.61 -43.41	149.80 11.68 -52.85	149.88 12.63 -51.90	150.40 13.73 -48.06	155.33 13.62 -52.07	178.53 12.51 -77.33	171.53 13.06 -69.69	166.96 13.03 -65.32	168.33 12.67 -68.24	173.79 13.31 -71.18	188.23 19.05 -32.08	204.06 20.68 -27.87	259.38 23.93 -7.44	221.23 21.60 10.01	218.32 19.70 6.55	199.50 15.26 -18.28	173.81 12.13 -23.85	161.42 12.85 0.77	162.62 15.70 14.95
EAST_POINT___SOLAR 323840	162.76 6.25 -74.26	163.19 6.61 -71.88	168.69 6.48 -79.24	156.22 6.46 -64.75	149.03 6.63 -57.39	148.96 6.83 -56.78	162.49 6.90 -70.32	297.03 6.91 -204.77	313.90 7.27 -218.02	285.62 6.10 -189.89	281.74 5.94 -187.10	293.19 5.69 -198.72	295.04 5.50 -200.94	273.78 6.03 -180.33	266.77 6.16 -171.31	308.92 12.61 -159.21	379.52 15.87 -208.14	253.95 23.27 -2.67	239.48 21.39 -8.44	237.03 20.71 -11.14	247.81 16.09 -65.76	238.31 12.82 -87.66	228.83 13.73 -65.76	175.95 14.08 0.00
EAST_PULASKI___ESR 323781	84.94 -1.07 -3.76	87.24 -1.10 -3.64	85.91 -1.08 -4.02	87.18 -1.11 -3.28	86.64 -1.27 -2.91	87.21 -1.02 -2.88	87.98 -0.85 -3.56	86.90 -0.69 -2.24	88.41 -0.44 -0.24	90.51 -0.36 -1.24	91.23 -0.35 -2.89	90.40 -0.35 -1.97	89.69 -0.62 -1.70	88.74 -0.79 -2.12	90.95 -0.72 -2.36	135.19 -1.92 0.00	153.80 -1.71 0.00	225.28 -2.73 0.00	207.14 -2.51 0.00	202.72 -2.45 0.00	163.64 -2.32 0.00	135.78 -2.06 -0.01	147.11 -2.24 0.00	159.45 -2.42 0.00
EAST_RIVER___1 323558	141.60 5.84 -53.51	141.87 5.68 -51.50	144.81 5.23 -56.60	137.17 5.45 -46.71	132.20 5.45 -41.75	132.46 5.81 -41.31	141.70 6.05 -50.38	140.79 7.08 -48.36	137.51 8.06 -40.84	148.16 8.24 -50.29	167.45 8.25 -70.51	157.34 8.34 -60.21	154.04 8.33 -57.11	155.75 8.13 -60.20	160.04 8.39 -62.35	173.62 11.52 -25.00	189.78 13.21 -21.06	247.11 18.46 -0.64	228.23 16.56 -2.03	224.28 16.42 -2.68	195.08 13.28 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.20 11.33 0.00
EAST_RIVER___2 323559	141.76 6.00 -53.51	141.96 5.76 -51.50	144.89 5.32 -56.60	137.24 5.52 -46.71	132.28 5.52 -41.75	132.54 5.88 -41.31	141.87 6.22 -50.38	140.96 7.25 -48.36	137.78 8.33 -40.84	148.34 8.42 -50.29	167.63 8.43 -70.51	157.61 8.61 -60.21	154.31 8.59 -57.11	156.01 8.39 -60.20	160.31 8.66 -62.35	174.03 11.92 -25.00	190.26 13.69 -21.06	247.81 19.16 -0.64	229.07 17.39 -2.03	224.88 17.02 -2.68	195.56 13.77 -15.84	170.21 11.16 -21.22	176.68 11.50 -15.84	173.53 11.66 0.00
EAST___DELAWARE_HYD 23607	136.27 4.77 -49.25	137.11 4.74 -47.67	140.01 4.48 -52.55	132.54 4.59 -42.95	127.57 4.50 -38.06	127.87 4.86 -37.66	136.93 5.03 -46.64	137.69 5.63 -46.71	135.46 6.46 -40.39	144.22 6.36 -48.22	161.16 6.39 -66.07	152.44 6.48 -57.18	149.54 6.46 -54.47	150.53 6.30 -56.82	154.63 6.78 -58.55	171.64 9.33 -25.20	188.99 10.88 -22.60	244.35 15.72 -0.62	225.43 13.83 -1.96	221.29 13.54 -2.58	191.98 10.78 -15.24	167.20 8.95 -20.41	173.84 9.26 -15.24	171.25 9.38 0.00
EIGHT_POINT___WT_PWR 323820	92.70 -0.98 -11.43	94.66 -1.10 -11.06	94.26 -0.91 -12.20	93.96 -1.02 -9.97	93.16 -0.68 -8.83	94.26 0.17 -8.74	96.09 0.00 -10.82	95.76 -0.42 -10.84	97.89 -0.09 -9.38	100.29 -0.53 -11.19	103.23 -0.80 -15.34	101.17 -0.89 -13.27	100.36 -0.89 -12.64	99.20 -1.40 -13.19	101.73 -1.16 -13.59	139.26 -3.70 -5.85	157.33 -3.42 -5.24	219.49 -8.66 -0.15	200.88 -9.22 -0.45	196.34 -9.43 -0.60	161.04 -8.46 -3.53	134.85 -7.72 -4.73	145.56 -7.31 -3.53	154.75 -7.12 0.00
ELBRIDGE_115KV_TB2 80188	89.22 0.90 -6.07	91.42 0.85 -5.87	90.28 0.83 -6.48	91.06 0.77 -5.29	90.46 0.77 -4.69	91.10 1.11 -4.64	92.21 1.19 -5.75	90.15 1.19 -3.61	90.59 1.59 -0.39	93.33 1.70 -1.99	95.04 1.69 -4.67	93.64 1.69 -3.17	92.94 1.59 -2.74	92.14 1.31 -3.41	94.81 1.70 -3.81	138.20 1.10 0.00	157.37 1.87 0.00	226.87 -1.14 0.00	206.50 -3.14 0.00	201.89 -3.28 0.00	163.31 -2.66 0.00	135.37 -2.48 -0.02	146.66 -2.69 0.00	159.12 -2.75 0.00
ELEC_TRO_TEK 24086	155.93 7.40 -66.28	156.44 7.37 -64.37	147.38 6.72 -57.68	139.04 6.89 -47.14	133.84 7.06 -41.78	149.34 7.60 -56.39	156.23 7.67 -63.29	155.39 8.53 -61.51	156.11 9.48 -58.02	162.32 9.59 -63.09	218.29 9.22 -120.37	227.63 9.32 -129.52	215.15 9.30 -117.24	215.54 9.09 -119.03	225.66 9.38 -126.98	227.14 13.16 -76.87	241.19 14.77 -70.91	299.02 20.52 -50.49	274.93 18.45 -46.83	263.96 18.26 -40.52	245.11 14.60 -64.55	235.36 12.40 -85.13	181.73 13.29 -19.10	177.11 12.63 -2.62



ELLENBURG_WT_PWR 323604	79.95 -2.30 0.00	82.42 -2.28 0.00	80.74 -2.24 0.00	83.14 -1.87 0.00	83.31 -1.70 0.00	83.22 -2.13 0.00	83.05 -2.22 0.00	83.13 -2.22 0.00	85.86 -2.75 0.00	86.95 -2.69 0.00	86.48 -2.21 0.00	86.65 -2.13 0.00	86.57 -2.03 0.00	85.75 -1.66 0.00	87.16 -2.14 0.00	135.74 -1.37 0.00	153.65 -1.86 0.00	226.42 -1.58 0.00	208.39 -1.25 0.00	203.75 -1.43 0.00	164.97 -0.99 0.00	137.01 -0.82 0.00	148.14 -1.20 0.00	161.55 -0.32 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	87.59 -3.62 -8.96	89.48 -3.90 -8.67	88.72 -3.82 -9.56	88.57 -4.25 -7.81	87.85 -4.08 -6.92	88.79 -3.41 -6.85	89.49 -4.26 -8.48	84.96 -5.72 -5.32	88.66 -5.41 -5.45	91.54 -5.92 -7.82	94.17 -6.30 -11.77	92.04 -6.30 -9.56	91.32 -6.20 -8.92	90.87 -6.47 -9.92	93.65 -6.16 -10.51	127.79 -12.07 -2.74	142.91 -12.60 0.00	204.87 -23.26 -0.11	187.57 -22.43 -0.36	184.11 -21.54 -0.48	152.34 -16.43 -2.81	125.60 -15.99 -3.76	137.96 -14.19 -2.81	148.60 -13.27 0.00
EMPIRE_CC_1 323656	150.13 4.36 -63.53	150.68 4.49 -61.49	155.08 4.31 -67.79	144.82 4.42 -55.40	138.52 4.42 -49.09	138.53 4.61 -48.57	149.94 4.52 -60.16	220.62 5.54 -129.73	229.86 6.11 -135.14	220.40 6.18 -124.59	226.89 6.03 -132.17	228.40 5.95 -133.66	227.98 5.94 -133.44	217.15 5.77 -123.97	215.46 5.98 -120.18	241.26 7.95 -96.20	283.38 8.70 -119.17	239.37 10.27 -1.09	222.09 9.01 -3.44	218.73 9.02 -4.53	200.21 7.48 -26.77	179.68 6.06 -35.79	182.53 6.42 -26.77	169.64 7.77 0.00
EMPIRE_CC_2 323658	150.13 4.36 -63.53	150.68 4.49 -61.49	155.08 4.31 -67.79	144.82 4.42 -55.40	138.52 4.42 -49.09	138.53 4.61 -48.57	149.94 4.52 -60.16	220.62 5.54 -129.73	229.86 6.11 -135.14	220.40 6.18 -124.59	226.89 6.03 -132.17	228.40 5.95 -133.66	227.98 5.94 -133.44	217.15 5.77 -123.97	215.46 5.98 -120.18	241.26 7.95 -96.20	283.38 8.70 -119.17	239.37 10.27 -1.09	222.09 9.01 -3.44	218.73 9.02 -4.53	200.21 7.48 -26.77	179.68 6.06 -35.79	182.53 6.42 -26.77	169.64 7.77 0.00
ENORWICH_115KV_TB1 80156	105.19 5.84 -17.10	107.52 6.27 -16.55	107.37 6.14 -18.25	106.21 6.29 -14.91	104.51 6.29 -13.22	105.85 7.43 -13.08	109.05 7.59 -16.19	113.80 7.94 -20.51	117.47 8.86 -20.00	120.13 9.05 -21.44	124.61 9.22 -26.69	122.51 9.32 -24.40	121.40 9.13 -23.66	119.60 8.48 -23.71	122.26 9.02 -23.94	163.29 13.03 -13.16	185.09 16.17 -13.41	251.79 23.48 -0.30	230.09 19.50 -0.95	225.72 19.29 -1.25	188.30 14.94 -7.41	158.89 11.16 -9.90	169.44 12.69 -7.41	175.79 13.92 0.00
ERIE_ST__34_KV_TB1-2 80199	87.55 -4.03 -9.34	89.42 -4.32 -9.04	88.63 -4.31 -9.96	88.39 -4.76 -8.14	87.63 -4.59 -7.21	88.65 -3.84 -7.14	89.50 -4.60 -8.84	85.09 -5.80 -5.55	88.82 -5.49 -5.70	91.89 -5.92 -8.17	94.68 -6.30 -12.29	92.55 -6.21 -9.98	91.72 -6.20 -9.31	91.39 -6.38 -10.35	94.11 -6.16 -10.97	131.06 -8.91 -2.87	146.64 -8.86 0.00	208.98 -19.15 -0.12	190.53 -19.50 -0.38	187.62 -18.06 -0.50	156.28 -12.61 -2.94	127.15 -14.61 -3.93	141.53 -10.75 -2.94	152.00 -9.87 0.00
ERIE_WT_PWR 323693	87.98 -3.45 -9.18	89.86 -3.72 -8.89	89.13 -3.65 -9.80	88.94 -4.08 -8.01	88.20 -3.91 -7.10	89.13 -3.24 -7.02	89.96 -4.01 -8.70	85.43 -5.37 -5.46	89.07 -5.14 -5.60	92.11 -5.56 -8.03	94.74 -6.03 -12.08	92.65 -5.95 -9.81	91.83 -5.94 -9.16	91.47 -6.12 -10.18	94.28 -5.80 -10.78	129.09 -10.83 -2.82	143.22 -12.29 0.00	204.87 -23.26 -0.12	187.35 -22.65 -0.36	183.69 -21.95 -0.47	150.31 -18.43 -2.77	126.38 -15.16 -3.71	139.27 -12.84 -2.77	149.73 -12.14 0.00
ESPRGFLD_115KV_TB1 80157	85.70 3.45 0.00	88.43 3.73 0.00	86.63 3.65 0.00	88.66 3.66 0.00	88.75 3.74 0.00	89.45 4.10 0.00	89.36 4.09 0.00	204.56 4.18 -115.03	248.60 4.78 -155.21	215.14 4.48 -121.02	188.81 4.52 -95.59	210.42 4.62 -117.02	215.55 4.52 -122.42	193.53 4.37 -101.74	185.73 4.64 -91.78	260.06 7.54 -115.41	314.04 9.49 -149.05	244.35 14.36 -1.97	228.26 12.37 -6.24	225.72 12.31 -8.24	224.06 9.46 -48.64	209.66 7.17 -64.66	205.75 7.77 -48.64	169.80 7.93 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	96.71 1.97 -12.49	98.82 2.03 -12.09	98.30 1.99 -13.33	97.94 2.04 -10.89	96.70 2.04 -9.65	97.29 2.39 -9.55	99.65 2.56 -11.83	100.21 2.56 -12.30	102.51 3.01 -10.89	105.42 3.05 -12.74	108.79 2.93 -17.17	106.71 2.93 -15.00	105.86 2.92 -14.33	104.89 2.62 -14.85	107.59 3.04 -15.25	147.54 3.56 -6.87	166.80 4.98 -6.32	234.11 5.93 -0.17	214.38 4.19 -0.54	209.79 3.90 -0.72	173.35 3.15 -4.23	145.43 1.93 -5.67	155.96 2.39 -4.23	164.46 2.59 0.00
ETNA____115KV_TB2 80207	96.71 1.97 -12.49	98.82 2.03 -12.09	98.30 1.99 -13.33	97.94 2.04 -10.89	96.70 2.04 -9.65	97.29 2.39 -9.55	99.65 2.56 -11.83	100.21 2.56 -12.30	102.51 3.01 -10.89	105.42 3.05 -12.74	108.79 2.93 -17.17	106.71 2.93 -15.00	105.86 2.92 -14.33	104.89 2.62 -14.85	107.59 3.04 -15.25	147.54 3.56 -6.87	166.80 4.98 -6.32	234.11 5.93 -0.17	214.38 4.19 -0.54	209.79 3.90 -0.72	173.35 3.15 -4.23	145.43 1.93 -5.67	155.96 2.39 -4.23	164.46 2.59 0.00
EUCLID____115KV_TB2 356179	85.94 -1.07 -4.76	88.12 -1.19 -4.60	86.89 -1.16 -5.07	87.88 -1.28 -4.15	87.41 -1.28 -3.67	87.96 -1.02 -3.64	88.75 -1.02 -4.50	87.15 -1.02 -2.83	88.11 -0.80 -0.30	90.48 -0.72 -1.56	91.55 -0.80 -3.66	90.47 -0.80 -2.48	89.95 -0.80 -2.14	89.04 -1.05 -2.67	91.48 -0.80 -2.99	134.64 -2.47 0.00	153.17 -2.33 0.00	223.68 -4.33 0.00	205.03 -4.61 0.00	200.66 -4.51 0.00	162.14 -3.82 0.00	134.40 -3.45 -0.02	145.76 -3.58 0.00	157.98 -3.88 0.00
E_CANADA_CAP_HY 24051	163.84 4.44 -77.15	164.12 4.74 -74.68	169.95 4.64 -82.33	156.96 4.67 -67.28	149.39 4.76 -59.62	149.29 4.95 -58.99	163.36 5.03 -73.06	285.52 5.03 -195.14	297.86 5.50 -203.76	274.33 4.93 -179.76	274.42 4.96 -180.76	283.30 4.97 -189.55	284.51 4.87 -191.03	265.10 4.89 -172.79	259.51 5.27 -164.94	294.74 9.33 -148.31	360.61 11.67 -193.43	247.82 17.32 -2.50	233.27 15.73 -7.89	230.98 15.40 -10.41	239.23 11.78 -61.48	229.19 9.38 -81.99	220.99 10.16 -61.48	172.24 10.37 0.00
E_CANADA_MHWK_HY 24050	85.13 2.88 0.00	87.58 2.88 0.00	85.80 2.82 0.00	88.06 3.06 0.00	88.24 3.23 0.00	89.02 3.67 0.00	88.93 3.66 0.00	89.19 3.84 0.00	92.95 4.34 0.00	94.20 4.57 0.00	93.39 4.70 0.00	93.58 4.79 0.00	93.30 4.69 0.00	91.96 4.54 0.00	93.94 4.64 0.00	143.42 6.31 0.00	162.66 7.16 0.00	238.28 10.27 0.00	218.45 8.80 0.00	213.59 8.42 0.00	172.61 6.65 0.00	143.07 5.24 0.00	155.32 5.98 0.00	168.35 6.48 0.00
E_FISHKILL____LBMP 23776	142.53 5.18 -55.10	143.11 5.08 -53.33	146.58 4.81 -58.79	138.07 5.02 -48.04	132.60 5.02 -42.58	132.77 5.29 -42.13	142.81 5.37 -52.17	140.67 6.06 -49.26	137.10 6.91 -41.58	147.76 6.90 -51.22	167.38 6.83 -71.86	156.97 6.84 -61.35	153.61 6.82 -58.18	155.41 6.64 -61.34	159.72 6.88 -63.54	172.00 9.46 -25.44	187.17 10.26 -21.41	243.03 14.36 -0.66	224.51 12.79 -2.07	220.63 12.72 -2.74	192.25 10.12 -16.16	168.31 8.82 -21.66	174.76 9.26 -16.16	171.26 9.39 0.00
FALCON____SEABRD_CC1 323796	80.93 -1.32 0.00	83.43 -1.27 0.00	81.74 -1.24 0.00	84.24 -0.77 0.00	84.32 -0.68 0.00	84.15 -1.19 0.00	83.56 -1.70 0.00	83.64 -1.71 0.00	86.39 -2.21 0.00	87.58 -2.06 0.00	87.10 -1.59 0.00	87.28 -1.51 0.00	87.19 -1.42 0.00	86.28 -1.14 0.00	87.70 -1.60 0.00	136.42 -0.68 0.00	154.58 -0.93 0.00	227.78 -0.23 0.00	209.64 0.00 0.00	204.97 -0.20 0.00	165.96 0.00 0.00	137.83 0.00 0.00	149.05 -0.30 0.00	163.32 1.45 0.00



FALCON___SEABRD_CC2 323797	80.93 -1.32 0.00	83.43 -1.27 0.00	81.74 -1.24 0.00	84.24 -0.77 0.00	84.32 -0.68 0.00	84.15 -1.19 0.00	83.56 -1.70 0.00	83.64 -1.71 0.00	86.39 -2.21 0.00	87.58 -2.06 0.00	87.10 -1.59 0.00	87.28 -1.51 0.00	87.19 -1.42 0.00	86.28 -1.14 0.00	87.70 -1.60 0.00	136.42 -0.68 0.00	154.58 -0.93 0.00	227.78 -0.23 0.00	209.64 0.00 0.00	204.97 -0.20 0.00	165.96 0.00 0.00	137.83 0.00 0.00	149.05 -0.30 0.00	163.32 1.45 0.00
FAR ROCKAWAY___4 23548	172.47 8.64 -81.58	172.70 8.55 -79.45	148.58 7.88 -57.72	140.26 8.08 -47.18	134.98 8.16 -41.82	169.29 8.71 -75.23	172.56 8.87 -78.43	172.16 9.73 -77.08	176.52 10.81 -77.10	179.66 10.94 -79.09	285.88 10.73 -186.46	320.99 10.83 -221.38	296.36 10.81 -196.95	295.00 10.58 -197.00	312.84 10.89 -212.64	298.23 15.49 -145.63	310.23 17.73 -137.00	369.21 24.62 -116.57	347.45 22.22 -115.58	325.02 21.75 -98.10	314.64 17.43 -131.25	325.01 14.61 -172.57	196.74 15.83 -31.57	190.56 15.22 -13.47
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	142.20 5.92 -54.03	142.67 5.67 -52.30	145.94 5.31 -57.65	137.56 5.44 -47.11	132.29 5.53 -41.75	132.55 5.89 -41.31	142.57 6.14 -51.16	140.80 7.08 -48.36	137.60 8.15 -40.84	148.17 8.25 -50.29	167.36 8.16 -70.51	157.35 8.35 -60.22	154.04 8.33 -57.11	155.84 8.22 -60.20	160.05 8.39 -62.35	173.62 11.52 -25.00	189.32 12.75 -21.06	246.21 17.56 -0.64	227.40 15.72 -2.04	223.46 15.59 -2.69	194.44 12.61 -15.87	169.99 10.89 -21.27	176.41 11.20 -15.87	173.20 11.33 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	142.20 5.92 -54.03	142.67 5.67 -52.30	145.94 5.31 -57.65	137.56 5.44 -47.11	132.29 5.53 -41.75	132.55 5.89 -41.31	142.57 6.14 -51.16	140.80 7.08 -48.36	137.60 8.15 -40.84	148.17 8.25 -50.29	167.36 8.16 -70.51	157.35 8.35 -60.22	154.04 8.33 -57.11	155.84 8.22 -60.20	160.05 8.39 -62.35	173.62 11.52 -25.00	189.32 12.75 -21.06	246.21 17.56 -0.64	227.40 15.72 -2.04	223.46 15.59 -2.69	194.44 12.61 -15.87	169.99 10.89 -21.27	176.41 11.20 -15.87	173.20 11.33 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	142.12 5.84 -54.03	142.67 5.67 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.11	132.20 5.44 -41.75	132.46 5.80 -41.31	142.48 6.05 -51.16	140.71 7.00 -48.36	137.51 8.06 -40.84	148.08 8.16 -50.29	167.27 8.07 -70.51	157.26 8.26 -60.22	153.95 8.24 -57.11	155.75 8.13 -60.20	160.05 8.39 -62.35	173.62 11.52 -25.00	189.16 12.60 -21.06	245.98 17.33 -0.64	227.19 15.51 -2.04	223.25 15.39 -2.69	194.28 12.45 -15.87	169.85 10.75 -21.27	176.26 11.05 -15.87	173.04 11.17 0.00
FARRAGUT___LBMP 323566	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.11	132.12 5.36 -41.75	132.46 5.80 -41.31	142.40 5.97 -51.16	140.71 7.00 -48.36	137.43 7.97 -40.84	147.99 8.07 -50.29	167.27 8.07 -70.51	157.17 8.17 -60.22	153.95 8.24 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.48 11.38 -25.00	189.16 12.60 -21.06	245.75 17.10 -0.64	226.98 15.30 -2.04	223.25 15.39 -2.69	194.11 12.28 -15.87	169.71 10.61 -21.27	176.26 11.05 -15.87	172.88 11.01 0.00
FENNER___WINDPWR 24204	90.75 1.73 -6.77	93.12 1.86 -6.56	92.03 1.82 -7.23	92.78 1.87 -5.91	92.11 1.87 -5.23	92.83 2.31 -5.18	94.06 2.38 -6.41	91.76 2.39 -4.02	95.46 2.83 -4.01	98.39 2.95 -5.80	100.50 3.02 -8.79	98.83 2.93 -7.12	98.16 2.92 -6.63	97.52 2.71 -7.39	100.08 2.94 -7.83	142.95 3.83 -2.01	160.02 4.51 0.00	234.25 6.16 -0.08	214.25 4.61 0.00	209.90 4.72 0.00	169.28 3.32 0.00	140.46 2.61 -0.02	152.33 2.99 0.00	165.11 3.24 0.00
FIBERTEK___ENERGY 23856	88.60 0.66 -5.70	90.81 0.59 -5.51	89.64 0.58 -6.08	90.49 0.51 -4.97	89.92 0.51 -4.40	90.47 0.77 -4.36	91.51 0.85 -5.39	89.67 0.94 -3.39	90.30 1.33 -0.36	92.94 1.43 -1.87	94.49 1.42 -4.38	93.18 1.42 -2.98	92.50 1.33 -2.57	91.67 1.05 -3.20	94.31 1.43 -3.58	137.93 0.82 0.00	157.06 1.56 0.00	227.55 -0.46 0.00	207.97 -1.68 0.00	203.33 -1.85 0.00	164.47 -1.49 0.00	136.33 -1.52 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00
FITZPATRICK___ 23598	82.47 -2.71 -2.93	84.66 -2.88 -2.84	83.37 -2.74 -3.13	84.68 -2.89 -2.56	84.38 -2.89 -2.27	84.86 -2.73 -2.24	85.31 -2.73 -2.78	84.36 -2.73 -1.74	86.14 -2.66 -0.19	88.00 -2.60 -0.96	88.20 -2.75 -2.26	87.57 -2.75 -1.53	87.18 -2.75 -1.32	86.18 -2.88 -1.65	88.38 -2.77 -1.84	131.90 -5.21 0.00	149.76 -5.75 0.00	219.11 -8.90 0.00	201.68 -7.97 0.00	197.38 -7.80 0.00	159.49 -6.48 0.00	132.46 -5.38 -0.01	143.52 -5.83 0.00	155.72 -6.15 0.00
FLOWRFLD_69_KV_BK1 356044	147.35 9.29 -55.81	147.73 8.98 -54.05	148.85 8.21 -57.66	140.88 8.76 -47.12	135.69 8.93 -41.76	138.41 9.56 -43.50	147.83 9.64 -52.92	147.81 10.50 -51.96	148.26 11.52 -48.13	153.08 11.29 -52.15	175.96 9.67 -77.60	168.79 9.94 -70.07	163.91 9.66 -65.65	165.41 9.44 -68.56	170.56 9.73 -71.53	183.31 13.85 -32.36	199.97 16.33 -28.14	256.92 21.20 -7.71	219.08 19.08 9.65	218.42 19.49 6.25	199.83 15.27 -18.60	174.93 12.82 -24.28	162.78 14.04 0.60	160.31 13.27 14.83
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	142.34 5.92 -54.17	143.06 5.93 -52.43	146.34 5.56 -57.80	137.94 5.70 -47.24	132.48 5.61 -41.86	132.74 5.97 -41.42	142.70 6.14 -51.29	141.31 6.83 -49.13	138.13 7.80 -41.72	148.52 7.89 -51.00	167.63 7.80 -71.13	157.62 7.90 -60.93	154.42 7.97 -57.84	156.03 7.78 -60.83	160.36 8.13 -62.93	174.00 11.24 -25.65	190.05 12.60 -21.95	246.22 17.56 -0.65	227.43 15.72 -2.06	223.28 15.39 -2.72	194.31 12.28 -16.07	169.97 10.61 -21.53	176.46 11.05 -16.07	173.20 11.33 0.00
FORT ORANGE___ 23900	151.85 4.11 -65.49	152.33 4.23 -63.39	157.01 4.15 -69.88	146.28 4.16 -57.11	139.87 4.25 -50.61	139.78 4.35 -50.08	151.55 4.26 -62.02	221.37 4.18 -131.84	229.99 4.34 -137.04	220.93 4.57 -126.73	227.98 4.26 -135.03	229.24 4.26 -136.20	228.82 4.34 -135.87	218.16 4.28 -126.46	216.22 4.20 -122.72	239.74 5.21 -97.43	281.65 5.76 -120.39	237.61 7.98 -1.63	221.91 7.13 -5.14	219.13 7.18 -6.78	211.97 5.97 -40.04	196.09 4.82 -53.44	195.36 5.98 -40.04	168.67 6.80 0.00
FORT_DRUM_COGEN 23780	85.49 0.58 -2.66	88.12 0.85 -2.58	86.65 0.83 -2.84	88.35 1.02 -2.32	87.92 0.85 -2.06	88.50 1.11 -2.04	89.32 1.53 -2.52	88.72 1.79 -1.58	90.90 2.13 -0.17	92.84 2.33 -0.87	93.40 2.66 -2.05	92.75 2.57 -1.39	91.58 1.77 -1.20	90.31 1.40 -1.50	92.31 1.34 -1.67	139.03 1.92 0.00	158.62 3.11 0.00	233.71 5.70 0.00	214.26 4.61 0.00	209.89 4.72 0.00	169.28 3.32 0.00	140.04 2.21 -0.01	151.73 2.39 0.00	164.14 2.27 0.00
FOX_HILLS___ESR 323835	442.53 6.25 -354.03	370.85 5.93 -280.22	370.84 5.56 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	412.92 5.80 -321.86	410.13 6.66 -318.12	436.99 7.53 -340.85	672.54 7.62 -575.29	466.75 7.54 -370.52	410.61 7.72 -314.10	678.60 7.89 -582.11	412.32 7.69 -317.21	684.51 7.86 -587.35	390.25 10.69 -242.45	488.08 11.51 -321.06	544.16 15.50 -300.64	600.73 14.05 -377.04	388.54 13.75 -169.62	292.95 11.12 -115.87	469.57 10.48 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
FPL FAR_ROCK_GT1 24212	172.46 8.63 -81.58	172.70 8.55 -79.45	148.58 7.89 -57.72	140.27 8.08 -47.18	134.98 8.16 -41.82	169.29 8.71 -75.23	172.56 8.87 -78.43	172.16 9.73 -77.08	176.51 10.81 -77.10	179.66 10.93 -79.09	285.96 10.82 -186.46	320.99 10.83 -221.38	296.36 10.81 -196.95	294.99 10.57 -197.00	312.83 10.89 -212.64	298.36 15.62 -145.63	310.53 18.03 -137.00	369.89 25.31 -116.57	349.11 23.89 -115.58	325.84 22.57 -98.10	315.11 17.93 -131.22	324.96 14.60 -172.53	196.70 15.82 -31.54	192.49 17.15 -13.47



FPL FAR_ROCK_GT2 23815	172.46 8.63 -81.58	172.70 8.55 -79.45	148.58 7.89 -57.72	140.27 8.08 -47.18	134.98 8.16 -41.82	169.29 8.71 -75.23	172.56 8.87 -78.43	172.16 9.73 -77.08	176.51 10.81 -77.10	179.66 10.93 -79.09	285.96 10.82 -186.46	320.99 10.83 -221.38	296.36 10.81 -196.95	294.99 10.57 -197.00	312.83 10.89 -212.64	298.36 15.62 -145.63	310.53 18.03 -137.00	369.89 25.31 -116.57	349.11 23.89 -115.58	325.84 22.57 -98.10	315.11 17.93 -131.22	324.96 14.60 -172.53	196.70 15.82 -31.54	192.49 17.15 -13.47
FRANKLIN_FALL_HYD 24054	81.10 -1.15 0.00	83.60 -1.10 0.00	81.90 -1.08 0.00	84.33 -0.68 0.00	84.24 -0.77 0.00	83.81 -1.54 0.00	83.82 -1.45 0.00	83.90 -1.45 0.00	86.57 -2.04 0.00	87.66 -1.97 0.00	87.27 -1.42 0.00	87.36 -1.42 0.00	87.28 -1.33 0.00	86.54 -0.87 0.00	87.69 -1.61 0.00	136.56 -0.55 0.00	154.73 -0.78 0.00	228.24 0.23 0.00	210.06 0.42 0.00	205.18 0.00 0.00	166.29 0.33 0.00	138.38 0.55 0.00	149.79 0.45 0.00	162.84 0.97 0.00
FREEPORT_EQUS_GT1 23764	155.34 8.14 -64.94	155.80 8.05 -63.05	148.04 7.38 -57.68	139.71 7.56 -47.14	134.44 7.65 -41.78	148.37 8.28 -54.74	155.59 8.36 -61.96	155.24 9.22 -60.67	156.73 10.27 -57.85	161.64 10.30 -61.70	211.22 9.93 -112.59	217.52 10.03 -118.71	206.38 9.92 -107.86	206.88 9.62 -109.85	216.19 10.00 -116.89	219.59 13.71 -68.77	234.51 15.87 -63.13	293.07 22.36 -42.71	263.79 20.96 -33.19	254.41 19.90 -29.33	237.11 15.77 -55.38	224.27 13.37 -73.07	176.37 14.34 -12.68	174.33 15.54 3.08
FREEPORT___CT2 23818	155.34 8.14 -64.94	155.80 8.05 -63.05	148.04 7.38 -57.68	139.71 7.56 -47.14	134.44 7.65 -41.78	148.37 8.28 -54.74	155.59 8.36 -61.96	155.24 9.22 -60.67	156.73 10.27 -57.85	161.64 10.30 -61.70	211.22 9.93 -112.59	217.52 10.03 -118.71	206.38 9.92 -107.86	206.88 9.62 -109.85	216.19 10.00 -116.89	219.59 13.71 -68.77	234.51 15.87 -63.13	293.07 22.36 -42.71	263.79 20.96 -33.19	254.41 19.90 -29.33	237.11 15.77 -55.38	224.27 13.37 -73.07	176.37 14.34 -12.68	174.33 15.54 3.08
FRESHKLS_33_KV_LOAD 356253	442.78 6.50 -354.03	371.02 6.10 -280.22	370.93 5.64 -282.31	512.99 5.87 -422.12	370.99 5.95 -280.04	393.14 5.97 -301.82	412.92 5.80 -321.86	410.04 6.57 -318.12	436.81 7.35 -340.85	672.36 7.44 -575.29	466.57 7.36 -370.52	410.34 7.46 -314.10	678.34 7.62 -582.11	412.14 7.52 -317.21	684.42 7.77 -587.35	389.97 10.42 -242.45	487.92 11.35 -321.06	543.93 15.28 -300.64	600.52 13.84 -377.04	388.54 13.75 -169.62	292.95 11.12 -115.87	469.57 10.48 -321.27	551.56 11.35 -390.87	474.01 12.14 -300.00
FULTON COGEN____ 23766	84.80 -1.56 -4.11	86.98 -1.69 -3.98	85.71 -1.66 -4.39	86.89 -1.70 -3.58	86.40 -1.79 -3.18	86.96 -1.54 -3.14	87.62 -1.53 -3.89	86.34 -1.45 -2.44	87.63 -1.24 -0.26	89.91 -1.08 -1.35	90.70 -1.15 -3.16	89.78 -1.15 -2.15	89.04 -1.42 -1.85	88.15 -1.57 -2.31	90.45 -1.43 -2.58	133.82 -3.29 0.00	152.24 -3.27 0.00	222.54 -5.47 0.00	205.03 -4.61 0.00	200.46 -4.72 0.00	161.98 -3.98 0.00	134.26 -3.58 -0.01	145.46 -3.88 0.00	157.66 -4.21 0.00
FULTON___LFGE 323630	161.53 5.76 -73.53	161.89 6.01 -71.17	167.33 5.89 -78.46	155.07 5.95 -64.12	147.87 6.04 -56.82	147.72 6.15 -56.22	161.12 6.22 -69.63	298.77 6.23 -207.20	316.95 6.73 -221.61	288.35 6.27 -192.44	283.69 6.30 -188.70	296.20 6.40 -201.02	298.33 6.29 -203.44	275.95 6.30 -182.23	268.91 6.70 -172.91	310.31 11.25 -161.96	381.19 13.84 -211.84	251.25 20.53 -2.71	237.10 18.88 -8.58	234.75 18.25 -11.32	247.07 14.27 -66.84	238.35 11.43 -89.09	228.43 12.25 -66.84	174.65 12.78 0.00
G.F.CEMENT___DRP 24184	156.78 6.50 -68.03	157.24 6.69 -65.85	162.12 6.56 -72.59	150.96 6.63 -59.32	144.30 6.72 -52.57	144.19 6.83 -52.01	156.59 6.91 -64.42	299.42 5.55 -208.52	322.60 6.03 -227.97	291.71 6.10 -195.98	283.78 6.30 -188.79	298.68 6.57 -203.33	301.42 6.47 -206.35	277.42 6.29 -183.71	269.54 6.61 -173.63	313.83 9.87 -166.85	385.12 11.82 -217.79	247.86 17.10 -2.75	234.08 15.72 -8.71	231.85 15.18 -11.49	249.09 15.27 -67.86	240.40 12.13 -90.44	230.05 12.84 -67.86	175.47 13.60 0.00
GARDENVILLE___LBMP 24039	87.84 -3.54 -9.13	89.72 -3.81 -8.84	88.99 -3.73 -9.74	88.80 -4.17 -7.96	88.07 -4.00 -7.06	89.00 -3.33 -6.98	89.73 -4.18 -8.64	85.23 -5.55 -5.43	88.95 -5.23 -5.57	91.97 -5.65 -7.98	94.58 -6.12 -12.00	92.50 -6.04 -9.75	91.68 -6.03 -9.10	91.33 -6.21 -10.12	94.03 -5.98 -10.72	128.67 -11.24 -2.80	143.84 -11.66 0.00	206.24 -21.89 -0.12	188.63 -21.38 -0.37	185.14 -20.52 -0.49	153.39 -15.43 -2.87	126.23 -15.44 -3.84	138.92 -13.29 -2.87	149.41 -12.46 0.00
GARDNVLA_35_KV_LD 355827	88.08 -3.37 -9.21	89.97 -3.64 -8.91	89.23 -3.57 -9.82	89.04 -4.00 -8.03	88.21 -3.91 -7.11	89.23 -3.16 -7.04	90.06 -3.92 -8.72	85.44 -5.38 -5.47	89.17 -5.05 -5.62	92.22 -5.47 -8.05	94.86 -5.94 -12.11	92.76 -5.86 -9.84	92.03 -5.76 -9.18	91.59 -6.03 -10.20	94.40 -5.72 -10.81	129.24 -10.69 -2.83	144.47 -11.04 0.00	206.92 -21.20 -0.12	189.26 -20.75 -0.38	185.97 -19.70 -0.49	154.08 -14.77 -2.89	126.68 -15.02 -3.87	139.54 -12.69 -2.89	150.05 -11.82 0.00
GELCKHM___115KV_LOAD 80723	86.93 -0.41 -5.09	89.11 -0.51 -4.92	87.91 -0.50 -5.43	88.85 -0.60 -4.44	88.34 -0.60 -3.93	88.90 -0.34 -3.89	89.74 -0.34 -4.82	88.12 -0.26 -3.02	88.93 0.00 -0.33	91.39 0.09 -1.67	92.60 0.00 -3.91	91.44 0.00 -2.66	90.90 0.00 -2.29	90.10 0.00 -2.86	92.50 0.00 -3.19	135.87 -1.23 0.00	154.57 -0.93 0.00	225.04 -2.96 0.00	206.08 -3.56 0.00	201.69 -3.49 0.00	162.97 -2.99 0.00	135.09 -2.76 -0.02	146.51 -2.84 0.00	158.79 -3.08 0.00
GENERAL___MILLS 23808	87.98 -3.45 -9.18	89.86 -3.73 -8.89	89.05 -3.73 -9.80	88.85 -4.17 -8.01	88.11 -4.00 -7.10	89.13 -3.24 -7.02	89.87 -4.09 -8.70	85.35 -5.46 -5.46	89.07 -5.14 -5.60	92.02 -5.65 -8.03	94.74 -6.03 -12.08	92.65 -5.95 -9.81	91.83 -5.94 -9.16	91.48 -6.12 -10.18	94.19 -5.89 -10.78	128.96 -10.97 -2.82	144.31 -11.20 0.00	206.69 -21.43 -0.12	189.05 -20.96 -0.37	185.56 -20.11 -0.49	153.91 -14.94 -2.89	126.53 -15.16 -3.86	139.38 -12.84 -2.89	149.89 -11.98 0.00
GE_PLASTICS___DRP 24183	151.23 3.54 -65.45	151.69 3.64 -63.35	156.38 3.57 -69.83	145.73 3.66 -57.07	139.24 3.66 -50.58	139.15 3.76 -50.04	150.91 3.67 -61.97	200.32 3.84 -111.13	205.05 4.16 -112.28	202.04 4.30 -108.10	213.73 4.08 -120.96	211.15 4.08 -118.28	209.67 4.08 -116.99	202.73 4.02 -111.29	202.66 4.02 -109.34	220.76 5.21 -78.45	254.70 5.60 -93.60	237.62 8.21 -1.40	221.41 7.34 -4.43	218.40 7.39 -5.84	206.09 5.64 -34.49	188.85 4.96 -46.06	189.66 5.82 -34.49	168.34 6.47 0.00
GILBOA___1 23756	137.49 3.20 -52.04	138.62 3.56 -50.37	142.24 3.74 -55.53	134.21 3.83 -45.38	129.05 3.83 -40.21	128.80 3.67 -39.79	137.96 3.41 -49.28	128.39 3.50 -39.54	123.56 3.99 -30.96	135.72 3.94 -42.14	155.77 3.90 -63.18	144.64 3.90 -51.95	141.13 3.89 -48.63	144.05 3.76 -52.88	148.78 3.92 -55.55	159.96 5.21 -17.64	172.58 5.91 -11.17	236.54 7.98 -0.55	218.52 7.13 -1.74	214.85 7.38 -2.30	185.66 6.14 -13.56	161.12 5.10 -18.19	168.27 5.37 -13.56	167.53 5.66 0.00
GILBOA___2 23757	137.49 3.20 -52.04	138.62 3.56 -50.37	142.24 3.74 -55.53	134.21 3.83 -45.38	129.05 3.83 -40.21	128.80 3.67 -39.79	137.96 3.41 -49.28	128.39 3.50 -39.54	123.56 3.99 -30.96	135.72 3.94 -42.14	155.77 3.90 -63.18	144.64 3.90 -51.95	141.13 3.89 -48.63	144.05 3.76 -52.88	148.78 3.92 -55.55	159.96 5.21 -17.64	172.58 5.91 -11.17	236.54 7.98 -0.55	218.52 7.13 -1.74	214.85 7.38 -2.30	185.66 6.14 -13.56	161.12 5.10 -18.19	168.27 5.37 -13.56	167.53 5.66 0.00



GILBOA___3 23758	137.49 3.20 -52.04	138.62 3.56 -50.37	142.24 3.74 -55.53	134.21 3.83 -45.38	129.05 3.83 -40.21	128.80 3.67 -39.79	137.96 3.41 -49.28	128.39 3.50 -39.54	123.56 3.99 -30.96	135.72 3.94 -42.14	155.77 3.90 -63.18	144.64 3.90 -51.95	141.13 3.89 -48.63	144.05 3.76 -52.88	148.78 3.92 -55.55	159.96 5.21 -17.64	172.58 5.91 -11.17	236.54 7.98 -0.55	218.52 7.13 -1.74	214.85 7.38 -2.30	185.66 6.14 -13.56	161.12 5.10 -18.19	168.27 5.37 -13.56	167.53 5.66 0.00
GILBOA___4 23759	137.49 3.20 -52.04	138.62 3.56 -50.37	142.24 3.74 -55.53	134.21 3.83 -45.38	129.05 3.83 -40.21	128.80 3.67 -39.79	137.96 3.41 -49.28	128.39 3.50 -39.54	123.56 3.99 -30.96	135.72 3.94 -42.14	155.77 3.90 -63.18	144.64 3.90 -51.95	141.13 3.89 -48.63	144.05 3.76 -52.88	148.78 3.92 -55.55	159.96 5.21 -17.64	172.58 5.91 -11.17	236.54 7.98 -0.55	218.52 7.13 -1.74	214.85 7.38 -2.30	185.66 6.14 -13.56	161.12 5.10 -18.19	168.27 5.37 -13.56	167.53 5.66 0.00
GILBOA___ 23599	137.49 3.21 -52.04	138.63 3.56 -50.37	142.24 3.73 -55.53	134.21 3.83 -45.38	129.05 3.83 -40.21	128.81 3.67 -39.79	137.95 3.41 -49.28	128.39 3.50 -39.54	123.55 3.99 -30.96	135.72 3.94 -42.14	155.78 3.90 -63.18	144.65 3.91 -51.95	141.14 3.90 -48.63	144.05 3.76 -52.88	148.79 3.93 -55.55	159.96 5.21 -17.64	172.58 5.91 -11.17	236.77 8.21 -0.55	218.52 7.13 -1.75	215.07 7.59 -2.30	185.53 5.97 -13.60	161.17 5.10 -18.24	168.32 5.38 -13.60	167.53 5.67 0.00
GINNA___ 23603	84.19 -4.60 -6.55	86.04 -5.00 -6.34	85.07 -4.90 -6.99	85.53 -5.19 -5.71	84.88 -5.19 -5.06	85.49 -4.86 -5.01	86.52 -4.95 -6.20	83.78 -5.46 -3.89	83.88 -5.14 -0.42	86.49 -5.29 -2.15	88.31 -5.41 -5.03	86.79 -5.42 -3.42	86.15 -5.41 -2.95	85.59 -5.50 -3.68	88.06 -5.36 -4.11	125.87 -11.24 0.00	143.22 -12.29 0.00	208.17 -19.84 0.00	191.19 -18.45 0.00	186.71 -18.47 0.00	150.35 -15.61 0.00	125.04 -12.81 -0.02	135.75 -13.59 0.00	147.79 -14.08 0.00
GLEN PARK___ 23778	86.15 1.15 -2.75	88.80 1.44 -2.67	87.33 1.41 -2.94	89.02 1.61 -2.40	88.58 1.44 -2.13	89.25 1.80 -2.11	90.09 2.21 -2.61	89.46 2.48 -1.64	91.62 2.83 -0.18	93.59 3.05 -0.90	94.27 3.46 -2.12	93.51 3.29 -1.44	92.42 2.57 -1.24	91.06 2.09 -1.55	93.09 2.06 -1.73	140.26 3.16 0.00	160.17 4.66 0.00	235.98 7.98 0.00	216.15 6.51 0.00	211.74 6.56 0.00	170.60 4.64 0.00	141.29 3.45 -0.01	152.92 3.58 0.00	165.43 3.56 0.00
GLENDALE_27_KV_LOAD 356172	142.53 6.25 -54.03	142.93 5.93 -52.30	146.11 5.48 -57.65	137.82 5.70 -47.12	132.54 5.78 -41.76	132.72 6.06 -41.31	142.66 7.25 -51.17	140.97 7.25 -48.37	137.78 8.33 -40.85	148.35 8.43 -50.29	167.63 8.43 -70.52	157.62 8.61 -60.22	154.40 8.68 -57.11	156.19 8.57 -60.21	160.41 8.75 -62.35	174.17 12.07 -25.00	189.48 12.91 -21.06	246.21 17.56 -0.64	227.40 15.72 -2.04	223.46 15.59 -2.69	194.44 12.61 -15.87	170.54 11.44 -21.27	177.01 11.80 -15.87	174.01 12.14 0.00
GLENWOOD_IC_1_G5 23712	150.72 7.07 -61.39	151.20 6.95 -59.55	147.12 6.47 -57.67	138.77 6.63 -47.13	133.49 6.72 -41.77	142.89 7.17 -50.37	151.05 7.33 -58.45	150.14 8.11 -56.68	150.08 9.13 -52.35	156.85 9.23 -57.99	196.71 9.05 -98.97	197.70 9.14 -99.77	189.16 9.13 -91.43	190.11 8.92 -93.78	197.74 9.20 -99.24	204.59 12.89 -54.60	218.39 13.37 -49.51	275.56 18.47 -29.09	249.22 16.56 -23.02	242.23 16.41 -20.64	222.32 13.77 -42.59	206.26 12.13 -56.30	175.68 12.69 -13.64	172.17 12.46 2.17
GLENWOOD_IC_2_G1 23688	146.37 6.50 -57.62	146.89 6.36 -55.84	146.62 5.98 -57.66	138.26 6.12 -47.12	132.89 6.12 -41.76	137.66 6.57 -45.73	146.72 6.73 -54.72	145.25 7.59 -52.30	143.24 8.51 -46.12	152.29 8.61 -54.04	182.07 8.52 -84.86	177.55 8.61 -80.16	171.61 8.59 -74.41	172.94 8.39 -77.13	178.91 8.66 -80.95	188.95 11.92 -39.92	204.43 13.52 -35.40	262.14 19.16 -14.98	241.24 17.61 -13.98	235.02 17.02 -12.82	209.35 13.77 -29.62	188.44 11.30 -39.30	177.07 11.80 -15.93	174.33 12.46 0.00
GLENWOOD_IC_3_G1 23689	146.37 6.50 -57.62	146.89 6.36 -55.84	146.62 5.98 -57.66	138.26 6.12 -47.12	132.89 6.12 -41.76	137.66 6.57 -45.73	146.72 6.73 -54.72	145.25 7.59 -52.30	143.24 8.51 -46.12	152.29 8.61 -54.04	182.07 8.52 -84.86	177.55 8.61 -80.16	171.61 8.59 -74.41	172.94 8.39 -77.13	178.91 8.66 -80.95	188.95 11.92 -39.92	204.43 13.52 -35.40	262.14 19.16 -14.98	241.24 17.61 -13.98	235.02 17.02 -12.82	209.35 13.77 -29.62	188.44 11.30 -39.30	177.07 11.80 -15.93	174.33 12.46 0.00
GLENWOOD___4 23550	150.72 7.07 -61.39	151.20 6.95 -59.55	147.12 6.47 -57.67	138.77 6.63 -47.13	133.49 6.72 -41.77	142.89 7.17 -50.37	151.05 7.33 -58.45	150.14 8.11 -56.68	150.08 9.13 -52.35	156.85 9.23 -57.99	196.71 9.05 -98.97	197.70 9.14 -99.77	189.16 9.13 -91.43	190.11 8.92 -93.78	197.74 9.20 -99.24	204.59 12.89 -54.60	218.86 13.84 -49.51	276.25 19.15 -29.09	249.85 17.19 -23.02	242.85 17.03 -20.64	222.49 13.94 -42.59	206.26 12.13 -56.30	175.68 12.69 -13.64	172.17 12.46 2.17
GLENWOOD___5 23614	150.72 7.07 -61.39	151.20 6.95 -59.55	147.12 6.47 -57.67	138.77 6.63 -47.13	133.49 6.72 -41.77	142.89 7.17 -50.37	151.05 7.33 -58.45	150.14 8.11 -56.68	150.08 9.13 -52.35	156.85 9.23 -57.99	196.71 9.05 -98.97	197.70 9.14 -99.77	189.16 9.13 -91.43	190.11 8.92 -93.78	197.74 9.20 -99.24	204.59 12.89 -54.60	218.86 13.84 -49.51	276.25 19.15 -29.09	249.85 17.19 -23.02	242.85 17.03 -20.64	222.49 13.94 -42.59	206.26 12.13 -56.30	175.68 12.69 -13.64	172.17 12.46 2.17
GLOBAL GREEN_PORT_GT1 23814	148.68 10.69 -55.74	149.01 10.33 -53.98	150.26 9.62 -57.66	142.75 10.62 -47.12	137.81 11.05 -41.76	140.62 11.86 -43.41	150.06 11.94 -52.85	150.14 12.89 -51.90	150.66 13.99 -48.06	155.60 13.89 -52.07	178.80 12.77 -77.33	171.71 13.23 -69.69	167.04 13.11 -65.32	168.42 12.76 -68.24	173.79 13.31 -71.18	188.52 19.34 -32.08	204.85 21.47 -27.87	258.47 23.02 -7.44	223.95 24.31 10.01	220.99 22.37 6.55	201.66 17.42 -18.28	175.75 14.07 -23.85	163.37 14.79 0.77	164.25 17.33 14.94
GLOBE___DSASP 323697	85.95 -4.77 -8.47	87.82 -5.08 -8.20	87.04 -4.98 -9.04	86.87 -5.53 -7.39	86.20 -5.36 -6.55	87.13 -4.69 -6.48	87.06 -6.22 -8.02	82.62 -7.77 -5.03	86.12 -7.62 -5.13	88.85 -8.16 -7.37	91.19 -8.60 -11.10	89.19 -8.61 -9.01	88.42 -8.59 -8.41	88.02 -8.74 -9.35	90.64 -8.57 -9.91	122.55 -17.14 -2.58	137.31 -18.19 0.00	197.11 -31.01 -0.11	180.42 -29.56 -0.34	176.69 -28.93 -0.45	145.70 -22.90 -2.64	120.97 -20.40 -3.54	132.27 -19.71 -2.64	143.09 -18.78 0.00
GOETHSLN___LBMP 323567	141.71 5.43 -54.03	142.16 5.17 -52.30	145.44 4.81 -57.65	137.05 4.93 -47.11	131.78 5.02 -41.75	132.04 5.38 -41.31	142.14 5.71 -51.16	140.37 6.66 -48.36	137.16 7.71 -40.84	147.72 7.80 -50.29	167.01 7.80 -70.51	156.90 7.90 -60.22	153.69 7.97 -57.11	155.40 7.78 -60.20	159.69 8.04 -62.35	173.07 10.97 -25.00	188.70 12.13 -21.06	245.07 16.42 -0.64	226.36 14.68 -2.04	222.64 14.77 -2.69	193.61 11.78 -15.87	169.30 10.20 -21.27	175.67 10.45 -15.87	172.23 10.36 0.00
GOLAH___69_KV_TB 1_2 80279	87.39 -1.73 -6.87	89.32 -2.03 -6.65	88.32 -1.99 -7.33	88.79 -2.21 -5.99	88.11 -2.21 -5.31	88.90 -1.71 -5.25	89.64 -2.13 -6.51	86.45 -2.99 -4.08	90.11 -2.57 -4.07	92.74 -2.78 -5.89	94.59 -3.02 -8.92	92.99 -3.02 -7.22	92.24 -3.10 -6.73	91.50 -3.41 -7.50	94.12 -3.13 -7.95	130.92 -8.23 -2.04	147.26 -8.24 0.00	213.74 -14.36 -0.09	196.29 -13.63 -0.28	192.00 -13.54 -0.36	156.95 -11.12 -2.10	130.73 -9.92 -2.82	141.59 -9.86 -2.10	152.64 -9.23 0.00



GOODYEAR_LAKE_HYD 323669	102.51 3.37 -16.89	104.69 3.64 -16.35	104.65 3.65 -18.02	103.48 3.74 -14.73	101.80 3.74 -13.05	102.36 4.10 -12.91	105.27 4.01 -15.99	149.73 4.18 -60.20	167.11 4.78 -73.72	157.66 4.75 -63.27	153.19 4.88 -59.62	158.47 4.88 -64.80	159.34 4.78 -65.95	150.78 4.55 -58.81	149.70 4.82 -55.58	197.21 6.99 -53.11	228.89 8.40 -64.99	241.30 12.31 -0.98	223.24 10.48 -3.11	219.74 10.46 -4.11	198.50 8.30 -24.24	176.45 6.34 -32.28	180.45 6.87 -24.24	169.15 7.28 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	100.54 0.58 -17.71	102.35 0.51 -17.14	102.46 0.58 -18.90	100.96 0.51 -15.45	99.21 0.51 -13.69	99.75 0.85 -13.54	102.72 0.68 -16.77	103.29 0.60 -17.34	105.03 0.97 -15.45	108.64 0.90 -18.11	113.90 0.80 -24.41	110.89 0.80 -21.31	109.76 0.80 -20.36	109.14 0.61 -21.11	111.88 0.89 -21.68	147.51 0.69 -9.72	165.74 1.40 -8.83	228.71 0.46 -0.24	209.58 -0.84 -0.77	205.58 -0.62 -1.02	171.64 -0.33 -6.01	144.77 -1.10 -8.04	155.05 -0.30 -6.01	161.87 0.00 0.00
GOUDEY___7 23579	100.54 0.58 -17.71	102.35 0.51 -17.14	102.46 0.58 -18.90	100.96 0.51 -15.45	99.21 0.51 -13.69	99.75 0.85 -13.54	102.72 0.68 -16.77	103.29 0.60 -17.34	105.03 0.97 -15.45	108.64 0.90 -18.11	113.90 0.80 -24.41	110.89 0.80 -21.31	109.76 0.80 -20.36	109.14 0.61 -21.11	111.88 0.89 -21.68	147.51 0.69 -9.72	165.74 1.40 -8.83	228.71 0.46 -0.24	209.58 -0.84 -0.77	205.58 -0.62 -1.02	171.64 -0.33 -6.01	144.77 -1.10 -8.04	155.05 -0.30 -6.01	161.87 0.00 0.00
GOUDEY___8 23580	100.54 0.58 -17.71	102.35 0.51 -17.14	102.46 0.58 -18.90	100.96 0.51 -15.45	99.21 0.51 -13.69	99.75 0.85 -13.54	102.72 0.68 -16.77	103.29 0.60 -17.34	105.03 0.97 -15.45	108.64 0.90 -18.11	113.90 0.80 -24.41	110.89 0.80 -21.31	109.76 0.80 -20.36	109.14 0.61 -21.11	111.88 0.89 -21.68	147.51 0.69 -9.72	165.74 1.40 -8.83	228.71 0.46 -0.24	209.58 -0.84 -0.77	205.58 -0.62 -1.02	171.64 -0.33 -6.01	144.77 -1.10 -8.04	155.05 -0.30 -6.01	161.87 0.00 0.00
GOWANUS_GT1_1 24077	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT1_2 24078	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT1_3 24079	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT1_4 24080	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT1_5 24084	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT1_6 24111	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT1_7 24112	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT1_8 24113	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.89 -301.82	413.01 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.87 7.99 -314.10	678.87 8.15 -582.11	412.58 7.95 -317.21	684.78 8.13 -587.35	390.66 11.11 -242.45	488.54 11.97 -321.06	544.61 15.96 -300.64	601.15 14.47 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.41 11.20 -390.87	473.69 11.82 -300.00
GOWANUS_GT2_1 24114	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
GOWANUS_GT2_2 24115	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
GOWANUS_GT2_3 24116	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00



GOWANUS_GT2_4 24117	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
GOWANUS_GT2_5 24118	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
GOWANUS_GT2_6 24119	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
GOWANUS_GT2_7 24120	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
GOWANUS_GT2_8 24121	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_1 24122	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_2 24123	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_3 24124	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_4 24125	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_5 24126	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_6 24127	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_7 24128	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT3_8 24129	442.45 6.17 -354.03	370.76 5.84 -280.22	370.76 5.48 -282.31	512.73 5.61 -422.12	370.74 5.70 -280.04	393.05 5.88 -301.82	413.00 5.88 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.88 7.99 -314.10	678.78 8.06 -582.11	412.58 7.95 -317.21	684.87 8.21 -587.35	390.66 11.10 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.59 15.80 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
GOWANUS_GT4_1 24130	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GOWANUS_GT4_2 24131	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00



GOWANUS_GT4_3 24132	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GOWANUS_GT4_4 24133	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GOWANUS_GT4_5 24134	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GOWANUS_GT4_6 24135	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GOWANUS_GT4_7 24136	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GOWANUS_GT4_8 24137	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GREENBSH_115KV_TB3 55895	151.80 3.78 -65.77	152.26 3.90 -63.66	156.97 3.82 -70.18	146.18 3.83 -57.35	139.74 3.91 -50.83	139.56 3.93 -50.29	151.47 3.92 -62.28	225.55 4.35 -135.85	235.05 4.70 -141.75	224.93 4.93 -130.36	231.24 4.61 -137.94	233.07 4.53 -139.75	232.71 4.52 -139.59	221.48 4.55 -129.51	219.14 4.38 -125.46	243.73 5.62 -101.00	286.79 5.91 -125.37	237.89 8.21 -1.67	222.27 7.34 -5.29	219.54 7.39 -6.97	212.62 5.48 -41.18	197.89 5.10 -54.96	196.65 6.12 -41.18	168.67 6.80 0.00
GREENDGE_115KV_TB5 80291	93.50 0.33 -10.92	95.52 0.25 -10.57	94.88 0.25 -11.65	94.61 0.09 -9.52	93.62 0.17 -8.44	94.47 0.77 -8.35	96.37 0.77 -10.34	96.24 0.51 -10.38	98.47 0.89 -8.98	101.06 0.72 -10.71	103.88 0.53 -14.66	101.92 0.44 -12.69	101.05 0.35 -12.09	100.03 0.00 -12.61	102.74 0.45 -12.99	142.03 -0.69 -5.61	160.55 0.00 -5.04	222.22 -5.93 -0.14	203.81 -6.29 -0.45	199.21 -6.57 -0.60	166.17 -3.32 -3.53	139.39 -3.17 -4.73	150.18 -2.69 -3.53	159.60 -2.27 0.00
GREENIDGE___3 23582	93.50 0.33 -10.92	95.52 0.25 -10.57	94.88 0.25 -11.65	94.61 0.09 -9.52	93.62 0.17 -8.44	94.47 0.77 -8.35	96.37 0.77 -10.34	96.24 0.51 -10.38	98.47 0.89 -8.98	101.06 0.72 -10.71	103.88 0.53 -14.66	101.92 0.44 -12.69	101.05 0.35 -12.09	100.03 0.00 -12.61	102.74 0.45 -12.99	142.03 -0.69 -5.61	160.55 0.00 -5.04	222.22 -5.93 -0.14	203.81 -6.29 -0.45	199.21 -6.57 -0.60	166.17 -3.32 -3.53	139.39 -3.17 -4.51	150.18 -2.69 -3.37	159.60 -2.27 0.00
GREENIDGE___4 23583	93.50 0.33 -10.92	95.52 0.25 -10.57	94.88 0.25 -11.65	94.61 0.09 -9.52	93.62 0.17 -8.44	94.46 0.77 -8.35	96.37 0.77 -10.34	96.25 0.52 -10.38	98.47 0.89 -8.98	100.97 0.63 -10.71	103.80 0.45 -14.66	101.92 0.45 -12.69	101.05 0.36 -12.09	100.03 0.00 -12.61	102.74 0.45 -12.99	142.03 -0.68 -5.61	159.47 -1.08 -5.04	221.53 -6.62 -0.14	203.16 -6.91 -0.43	198.56 -7.19 -0.57	164.02 -5.32 -3.37	139.18 -3.16 -4.51	150.03 -2.68 -3.37	158.79 -3.08 0.00
GREENLWN_69_KV_BK 3 55738	145.60 7.32 -56.03	146.09 7.11 -54.27	147.11 6.47 -57.66	138.84 6.72 -47.12	133.65 6.89 -41.76	136.55 7.43 -43.78	145.92 7.50 -53.15	145.88 8.36 -52.16	146.33 9.39 -48.34	151.25 9.23 -52.38	175.02 7.89 -78.43	167.90 7.90 -71.22	163.05 7.80 -66.65	164.56 7.61 -69.53	169.76 7.86 -72.60	181.16 10.83 -33.22	196.92 12.44 -28.97	253.42 16.87 -8.54	216.44 15.30 8.50	215.05 15.18 5.31	197.41 11.95 -19.50	173.37 10.06 -25.48	160.08 10.90 0.16	157.30 9.87 14.44
GREENWD_138_KV_38B11_REV_LBMP_J 345004	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00
GRISSOM___SOLAR 323813	160.78 5.67 -72.86	161.15 5.93 -70.53	166.53 5.81 -77.75	154.41 5.86 -63.54	147.18 5.86 -56.31	147.12 6.06 -55.71	160.41 6.14 -69.00	300.82 6.06 -209.41	320.06 6.56 -224.90	290.58 6.18 -194.77	285.05 6.21 -190.16	298.31 6.40 -203.13	300.52 6.20 -205.72	277.59 6.21 -183.97	270.29 6.61 -174.38	312.40 10.83 -164.47	384.11 13.38 -215.23	250.37 19.61 -2.75	236.38 18.03 -8.71	234.09 17.43 -11.49	247.55 13.77 -67.82	239.38 11.16 -90.39	228.96 11.80 -67.82	174.17 12.30 0.00
GROVEVILLE___HYD 323602	142.34 5.92 -54.17	143.06 5.93 -52.43	146.34 5.56 -57.80	137.94 5.70 -47.24	132.48 5.61 -41.86	132.74 5.97 -41.42	142.70 6.14 -51.29	141.31 6.83 -49.13	138.13 7.80 -41.72	148.52 7.89 -51.00	167.63 7.80 -71.13	157.62 7.90 -60.93	154.42 7.97 -57.84	156.03 7.78 -60.83	160.36 8.13 -62.93	174.00 11.24 -25.65	190.05 12.60 -21.95	246.22 17.56 -0.65	227.43 15.72 -2.06	223.28 15.39 -2.72	194.31 12.28 -16.07	169.97 10.61 -21.53	176.46 11.05 -16.07	173.20 11.33 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	88.60 0.66 -5.70	90.81 0.59 -5.51	89.64 0.58 -6.08	90.49 0.51 -4.97	89.92 0.51 -4.40	90.47 0.77 -4.36	91.51 0.85 -5.39	89.67 0.94 -3.39	90.30 1.33 -0.36	92.94 1.43 -1.87	94.49 1.42 -4.38	93.18 1.42 -2.98	92.50 1.33 -2.57	91.67 1.05 -3.20	94.31 1.43 -3.58	137.93 0.82 0.00	157.06 1.56 0.00	227.55 -0.46 0.00	207.97 -1.68 0.00	203.33 -1.85 0.00	164.47 -1.49 0.00	136.33 -1.52 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00



HAMLTNNY_34_KV_TB 80303	89.66 1.32 -6.09	91.87 1.27 -5.90	90.73 1.24 -6.50	91.51 1.19 -5.31	90.91 1.19 -4.71	91.55 1.54 -4.66	92.66 1.62 -5.77	90.59 1.62 -3.62	91.12 2.13 -0.39	93.88 2.24 -2.00	95.60 2.22 -4.69	94.19 2.22 -3.18	93.48 2.13 -2.75	92.68 1.84 -3.43	95.36 2.23 -3.83	138.89 1.78 0.00	158.31 2.80 0.00	228.24 0.23 0.00	207.97 -1.68 0.00	203.33 -1.85 0.00	164.30 -1.66 0.00	136.20 -1.65 -0.02	147.55 -1.79 0.00	160.09 -1.78 0.00
HAMPSHIRE___PAPER_HYD 323593	81.99 -1.64 -1.39	84.68 -1.36 -1.34	83.13 -1.33 -1.48	85.03 -1.19 -1.21	84.63 -1.45 -1.07	84.36 -2.05 -1.06	84.53 -2.05 -1.31	84.21 -1.96 -0.82	86.31 -2.39 -0.09	87.49 -2.60 -0.45	88.07 -1.69 -1.07	87.73 -1.78 -0.72	87.28 -1.95 -0.62	86.36 -1.84 -0.78	87.50 -2.68 -0.87	134.22 -2.89 0.00	152.40 -3.11 0.00	224.59 -3.41 0.00	206.28 -3.36 0.00	201.88 -3.29 0.00	163.14 -2.82 0.00	136.19 -1.65 0.00	147.85 -1.49 0.00	160.57 -1.30 0.00
HARDSCRABBLE_WT_PWR 323673	84.22 1.97 0.00	86.65 1.95 0.00	84.80 1.82 0.00	87.04 2.04 0.00	87.38 2.38 0.00	88.08 2.73 0.00	88.08 2.81 0.00	88.42 3.07 0.00	92.15 3.55 0.00	93.49 3.85 0.00	92.69 3.99 0.00	92.87 4.09 0.00	92.68 4.08 0.00	91.26 3.84 0.00	93.23 3.92 0.00	142.32 5.21 0.00	161.26 5.76 0.00	236.20 8.20 0.00	216.55 6.91 0.00	211.74 6.56 0.00	170.94 4.97 0.00	141.83 4.00 0.00	153.82 4.48 0.00	166.57 4.70 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	138.05 5.18 -50.62	138.78 5.08 -49.00	141.72 4.73 -54.01	133.99 4.85 -44.14	128.97 4.85 -39.12	129.26 5.21 -38.70	138.49 5.29 -47.93	136.46 5.97 -45.13	133.59 6.91 -38.07	143.51 6.90 -46.97	161.57 6.92 -65.96	152.08 7.01 -56.28	148.97 7.00 -53.36	150.53 6.82 -56.29	154.76 7.14 -58.32	170.24 9.87 -23.27	185.89 10.89 -19.50	243.66 15.05 -0.60	224.97 13.42 -1.91	221.03 13.34 -2.52	191.43 10.62 -14.85	166.97 9.23 -19.90	173.60 9.41 -14.85	171.42 9.55 0.00
HARSNRAD_115KV_TB1 81005	85.64 -4.93 -8.32	87.51 -5.25 -8.06	86.63 -5.23 -8.88	86.57 -5.70 -7.26	85.92 -5.53 -6.43	86.85 -4.86 -6.36	87.27 -5.88 -7.88	82.96 -7.34 -4.95	86.55 -7.09 -5.03	89.25 -7.62 -7.23	91.52 -8.07 -10.90	89.56 -8.08 -8.85	88.80 -8.06 -8.25	88.47 -8.13 -9.18	91.08 -7.95 -9.73	123.73 -15.90 -2.53	138.71 -16.79 0.00	198.72 -29.19 0.10	182.10 -27.67 -0.13	178.53 -26.88 -0.23	147.31 -21.24 -2.59	121.87 -19.43 -3.47	133.57 -18.37 -2.59	144.23 -17.64 0.00
HARZA MOOSE___RIVER 24016	84.86 0.82 -1.79	87.53 1.10 -1.73	86.05 1.16 -1.91	87.84 1.28 -1.56	87.58 1.19 -1.38	88.17 1.45 -1.37	88.84 1.88 -1.69	88.46 2.05 -1.06	91.03 2.30 -0.11	92.64 2.42 -0.59	92.82 2.75 -1.38	92.38 2.66 -0.93	91.89 2.48 -0.81	90.35 1.92 -1.01	92.21 1.79 -1.12	139.57 2.47 0.00	158.62 3.11 0.00	233.02 5.02 0.00	213.63 3.98 0.00	209.28 4.10 0.00	168.95 2.99 0.00	140.04 2.21 -0.01	151.73 2.39 0.00	164.46 2.59 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	86.80 -0.74 -5.29	89.06 -0.76 -5.12	87.87 -0.75 -5.64	88.77 -0.85 -4.61	88.24 -0.85 -4.09	88.80 -0.60 -4.04	89.68 -0.60 -5.01	87.89 -0.60 -3.14	88.68 -0.27 -0.34	91.19 -0.18 -1.74	92.49 -0.27 -4.07	91.28 -0.27 -2.76	90.64 -0.35 -2.38	89.87 -0.52 -2.97	92.35 -0.27 -3.32	135.46 -1.65 0.00	154.11 -1.40 0.00	225.04 -2.96 0.00	206.08 -3.56 0.00	201.48 -3.69 0.00	162.97 -2.99 0.00	135.09 -2.76 -0.02	146.36 -2.99 0.00	158.79 -3.08 0.00
HELLGATE_13_KV_LD 55870	142.20 5.92 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.84 8.22 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.70 12.13 -21.06	244.84 16.19 -0.64	226.15 14.47 -2.04	222.23 14.36 -2.69	193.61 11.78 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.52 11.65 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	142.20 5.92 -54.03	142.59 5.59 -52.30	145.78 5.14 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.84 8.22 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.70 12.13 -21.06	244.84 16.19 -0.64	226.15 14.47 -2.04	222.23 14.36 -2.69	193.61 11.78 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.52 11.65 0.00
HEMPSTEAD____ 23647	152.31 7.48 -62.58	152.71 7.29 -60.72	147.37 6.72 -57.67	139.11 6.97 -47.14	133.83 7.05 -41.77	144.78 7.59 -51.83	152.57 7.68 -59.62	152.04 8.53 -58.15	152.76 9.57 -54.58	158.45 9.60 -59.22	200.40 9.31 -102.40	202.72 9.41 -104.53	193.47 9.30 -95.56	194.33 9.09 -97.82	202.35 9.37 -103.67	208.30 13.03 -58.16	223.22 14.78 -52.94	281.26 20.75 -32.51	252.92 19.50 -23.78	245.05 18.47 -21.40	226.27 14.94 -45.36	210.23 12.41 -59.99	174.37 13.15 -11.89	172.38 14.25 3.74
HEWLETT_69_KV_BK3 55828	172.05 8.22 -81.58	172.28 8.13 -79.45	148.25 7.55 -57.72	139.84 7.65 -47.18	134.64 7.82 -41.82	168.94 8.36 -75.23	172.14 8.44 -78.43	171.73 9.30 -77.08	176.07 10.37 -77.10	179.12 10.40 -79.09	285.44 10.29 -186.46	320.55 10.39 -221.38	295.92 10.37 -196.95	294.47 10.05 -197.00	312.30 10.36 -212.64	297.54 14.81 -145.63	309.30 16.79 -137.00	367.84 23.26 -116.57	346.19 20.96 -115.58	324.00 20.72 -98.10	313.64 16.43 -131.25	324.19 13.78 -172.57	196.00 15.08 -31.57	189.75 14.41 -13.47
HICKLING___1 23621	95.86 -0.33 -13.94	97.77 -0.42 -13.49	97.52 -0.33 -14.87	96.65 -0.51 -12.15	95.35 -0.43 -10.77	96.18 0.17 -10.66	98.38 -0.09 -13.20	98.17 -0.43 -13.25	100.07 -0.09 -11.55	103.03 -0.36 -13.76	106.87 -0.62 -18.80	104.54 -0.53 -16.29	103.60 -0.53 -15.53	102.73 -0.87 -16.19	105.53 -0.45 -16.67	142.94 -1.37 -7.21	161.48 -0.47 -6.44	224.09 -4.10 -0.18	205.19 -5.03 -0.58	201.02 -4.92 -0.77	167.34 -3.15 -4.53	139.62 -4.27 -6.07	151.03 -2.84 -4.53	159.60 -2.27 0.00
HICKLING___2 23622	95.86 -0.33 -13.94	97.77 -0.42 -13.49	97.52 -0.33 -14.87	96.65 -0.51 -12.15	95.35 -0.43 -10.77	96.18 0.17 -10.66	98.38 -0.09 -13.20	98.17 -0.43 -13.25	100.07 -0.09 -11.55	103.03 -0.36 -13.76	106.87 -0.62 -18.80	104.54 -0.53 -16.29	103.60 -0.53 -15.53	102.73 -0.87 -16.19	105.53 -0.45 -16.67	142.94 -1.37 -7.21	161.48 -0.47 -6.44	224.09 -4.10 -0.18	205.19 -5.03 -0.58	201.02 -4.92 -0.77	167.34 -3.15 -4.53	139.62 -4.27 -6.07	151.03 -2.84 -4.53	159.60 -2.27 0.00
HIGH FALLS___HY 23754	141.92 5.76 -53.91	142.64 5.76 -52.18	145.90 5.39 -57.53	137.54 5.53 -47.01	132.11 5.44 -41.66	132.46 5.89 -41.22	142.29 5.97 -51.05	147.43 6.66 -55.43	145.56 7.62 -49.33	153.79 7.53 -56.62	171.36 7.45 -75.22	162.61 7.55 -66.28	159.74 7.62 -63.51	160.16 7.43 -65.31	164.08 7.95 -66.83	179.73 11.11 -31.52	198.40 12.60 -30.30	246.75 18.01 -0.73	227.67 15.72 -2.30	223.81 15.59 -3.04	196.34 12.45 -17.93	172.59 10.75 -24.01	178.18 10.90 -17.93	172.71 10.85 0.00
HIGH_RIVER___SOLAR 323847	156.91 4.19 -70.47	157.31 4.40 -68.21	162.48 4.31 -75.19	150.79 4.33 -61.45	143.88 4.42 -54.46	143.75 4.52 -53.88	156.51 4.52 -66.73	307.08 4.35 -217.38	329.99 4.69 -236.69	296.99 4.21 -203.14	288.17 4.08 -195.40	303.59 4.09 -210.72	306.60 4.08 -213.91	281.65 4.02 -190.21	273.41 4.46 -179.65	317.71 7.13 -173.48	391.92 9.02 -227.40	244.12 13.22 -2.90	230.96 12.15 -9.16	229.16 11.90 -12.09	246.60 9.29 -71.35	240.63 7.71 -95.09	228.91 8.21 -71.35	170.44 8.57 0.00



HILLBURN___GT 23639	138.64 5.10 -51.29	139.34 5.00 -49.65	142.44 4.73 -54.73	134.58 4.84 -44.73	129.40 4.76 -39.64	129.69 5.12 -39.22	139.12 5.29 -48.57	137.16 6.06 -45.75	134.12 6.92 -38.60	144.24 7.00 -47.61	162.46 6.92 -66.84	152.84 7.01 -57.04	149.69 7.00 -54.08	151.29 6.82 -57.05	155.46 7.05 -59.10	170.43 9.74 -23.59	186.18 10.88 -19.79	244.13 15.51 -0.61	225.40 13.83 -1.93	221.47 13.75 -2.54	192.10 11.12 -15.01	167.05 9.09 -20.12	173.77 9.41 -15.01	171.42 9.55 0.00
HILLSIDE_115KV_TB1 80332	95.36 -1.32 -14.43	97.31 -1.36 -13.96	97.05 -1.33 -15.39	96.14 -1.45 -12.58	94.80 -1.36 -11.15	95.44 -0.94 -11.03	97.82 -1.11 -13.66	97.54 -1.54 -13.72	99.35 -1.24 -11.98	102.46 -1.43 -14.26	106.49 -1.69 -19.48	103.98 -1.69 -16.89	103.02 -1.68 -16.09	102.36 -1.84 -16.77	104.97 -1.61 -17.28	141.84 -2.74 -7.48	160.00 -2.18 -6.67	221.59 -6.61 -0.19	202.91 -7.34 -0.60	198.99 -6.98 -0.80	165.68 -4.98 -4.70	138.47 -5.65 -6.29	149.71 -4.33 -4.70	157.98 -3.88 0.00
HISHELDN_WT_PWR 323625	88.74 -3.38 -9.86	90.69 -3.55 -9.55	90.10 -3.41 -10.53	89.87 -3.74 -8.60	89.06 -3.57 -7.62	90.08 -2.81 -7.54	91.11 -3.50 -9.34	86.52 -4.69 -5.86	90.24 -4.43 -6.06	93.28 -5.02 -8.66	96.21 -5.50 -13.01	94.04 -5.32 -10.58	93.17 -5.31 -9.87	92.79 -5.60 -10.97	95.65 -5.27 -11.62	130.01 -10.14 -3.05	144.16 -11.35 0.00	206.94 -21.20 -0.13	189.49 -20.54 -0.39	185.78 -19.90 -0.51	152.21 -16.76 -3.00	128.07 -13.78 -4.02	140.25 -12.09 -3.00	150.21 -11.66 0.00
HOLTSVILLE_IC_1 23690	146.92 8.97 -55.71	147.29 8.64 -53.95	148.53 7.89 -57.66	140.55 8.42 -47.12	135.44 8.68 -41.76	138.03 9.30 -43.37	147.38 9.30 -52.82	147.37 10.15 -51.87	147.80 11.16 -48.03	152.52 10.84 -52.04	175.84 9.93 -77.22	168.35 10.03 -69.53	163.62 9.83 -65.18	164.78 9.26 -68.10	169.89 9.56 -71.03	182.77 13.71 -31.96	199.28 16.02 -27.76	257.01 21.67 -7.33	220.04 20.56 10.16	218.00 19.50 6.68	199.55 15.44 -18.15	173.93 12.41 -23.68	162.11 13.59 0.82	161.76 14.88 14.99
HOLTSVILLE_IC_10 23699	147.54 9.45 -55.84	147.93 9.15 -54.08	148.94 8.30 -57.66	140.97 8.84 -47.12	135.87 9.10 -41.76	138.61 9.73 -43.53	147.93 9.72 -52.95	147.92 10.58 -51.99	148.46 11.70 -48.16	153.20 11.38 -52.18	176.77 10.37 -77.70	169.55 10.56 -70.21	164.65 10.27 -65.77	165.80 9.70 -68.68	171.05 10.09 -71.66	184.10 14.53 -32.46	200.86 17.11 -28.24	259.09 23.27 -7.81	221.92 21.80 9.53	219.74 20.71 6.15	201.07 16.43 -18.67	175.44 13.23 -24.38	163.23 14.48 0.60	162.77 15.70 14.80
HOLTSVILLE_IC_2 23691	146.92 8.97 -55.71	147.29 8.64 -53.95	148.53 7.89 -57.66	140.55 8.42 -47.12	135.44 8.68 -41.76	138.03 9.30 -43.37	147.38 9.30 -52.82	147.37 10.15 -51.87	147.80 11.16 -48.03	152.52 10.84 -52.04	175.84 9.93 -77.22	168.35 10.03 -69.53	163.62 9.83 -65.18	164.78 9.26 -68.10	169.89 9.56 -71.03	182.77 13.71 -31.96	199.28 16.02 -27.76	257.01 21.67 -7.33	220.04 20.56 10.16	218.00 19.50 6.68	199.55 15.44 -18.15	173.93 12.41 -23.68	162.11 13.59 0.82	161.76 14.88 14.99
HOLTSVILLE_IC_3 23692	146.92 8.97 -55.71	147.29 8.64 -53.95	148.53 7.89 -57.66	140.55 8.42 -47.12	135.44 8.68 -41.76	138.03 9.30 -43.37	147.38 9.30 -52.82	147.37 10.15 -51.87	147.80 11.16 -48.03	152.52 10.84 -52.04	175.84 9.93 -77.22	168.35 10.03 -69.53	163.62 9.83 -65.18	164.78 9.26 -68.10	169.89 9.56 -71.03	182.77 13.71 -31.96	199.28 16.02 -27.76	257.01 21.67 -7.33	220.04 20.56 10.16	218.00 19.50 6.68	199.55 15.44 -18.15	173.93 12.41 -23.68	162.11 13.59 0.82	161.76 14.88 14.99
HOLTSVILLE_IC_4 23693	146.92 8.97 -55.71	147.29 8.64 -53.95	148.53 7.89 -57.66	140.55 8.42 -47.12	135.44 8.68 -41.76	138.03 9.30 -43.37	147.38 9.30 -52.82	147.37 10.15 -51.87	147.80 11.16 -48.03	152.52 10.84 -52.04	175.84 9.93 -77.22	168.35 10.03 -69.53	163.62 9.83 -65.18	164.78 9.26 -68.10	169.89 9.56 -71.03	182.77 13.71 -31.96	199.28 16.02 -27.76	257.01 21.67 -7.33	220.04 20.56 10.16	218.00 19.50 6.68	199.55 15.44 -18.15	173.93 12.41 -23.68	162.11 13.59 0.82	161.76 14.88 14.99
HOLTSVILLE_IC_5 23694	146.92 8.97 -55.71	147.29 8.64 -53.95	148.53 7.89 -57.66	140.55 8.42 -47.12	135.44 8.68 -41.76	138.03 9.30 -43.37	147.38 9.30 -52.82	147.37 10.15 -51.87	147.80 11.16 -48.03	152.52 10.84 -52.04	175.84 9.93 -77.22	168.35 10.03 -69.53	163.62 9.83 -65.18	164.78 9.26 -68.10	169.89 9.56 -71.03	182.77 13.71 -31.96	199.28 16.02 -27.76	257.01 21.67 -7.33	220.04 20.56 10.16	218.00 19.50 6.68	199.55 15.44 -18.15	173.93 12.41 -23.68	162.11 13.59 0.82	161.76 14.88 14.99
HOLTSVILLE_IC_6 23695	147.54 9.45 -55.84	147.93 9.15 -54.08	148.94 8.30 -57.66	140.97 8.84 -47.12	135.87 9.10 -41.76	138.61 9.73 -43.53	147.93 9.72 -52.95	147.92 10.58 -51.99	148.46 11.70 -48.16	153.20 11.38 -52.18	176.77 10.37 -77.70	169.55 10.56 -70.21	164.65 10.27 -65.77	165.80 9.70 -68.68	171.05 10.09 -71.66	184.10 14.53 -32.46	200.86 17.11 -28.24	259.09 23.27 -7.81	221.92 21.80 9.53	219.74 20.71 6.15	201.07 16.43 -18.67	175.44 13.23 -24.38	163.23 14.48 0.60	162.77 15.70 14.80
HOLTSVILLE_IC_7 23696	147.54 9.45 -55.84	147.93 9.15 -54.08	148.94 8.30 -57.66	140.97 8.84 -47.12	135.87 9.10 -41.76	138.61 9.73 -43.53	147.93 9.72 -52.95	147.92 10.58 -51.99	148.46 11.70 -48.16	153.20 11.38 -52.18	176.77 10.37 -77.70	169.55 10.56 -70.21	164.65 10.27 -65.77	165.80 9.70 -68.68	171.05 10.09 -71.66	184.10 14.53 -32.46	200.86 17.11 -28.24	259.09 23.27 -7.81	221.92 21.80 9.53	219.74 20.71 6.15	201.07 16.43 -18.67	175.44 13.23 -24.38	163.23 14.48 0.60	162.77 15.70 14.80
HOLTSVILLE_IC_8 23697	147.54 9.45 -55.84	147.93 9.15 -54.08	148.94 8.30 -57.66	140.97 8.84 -47.12	135.87 9.10 -41.76	138.61 9.73 -43.53	147.93 9.72 -52.95	147.92 10.58 -51.99	148.46 11.70 -48.16	153.20 11.38 -52.18	176.77 10.37 -77.70	169.55 10.56 -70.21	164.65 10.27 -65.77	165.80 9.70 -68.68	171.05 10.09 -71.66	184.10 14.53 -32.46	200.86 17.11 -28.24	259.09 23.27 -7.81	221.92 21.80 9.53	219.74 20.71 6.15	201.07 16.43 -18.67	175.44 13.23 -24.38	163.23 14.48 0.60	162.77 15.70 14.80
HOLTSVILLE_IC_9 23698	147.54 9.45 -55.84	147.93 9.15 -54.08	148.94 8.30 -57.66	140.97 8.84 -47.12	135.87 9.10 -41.76	138.61 9.73 -43.53	147.93 9.72 -52.95	147.92 10.58 -51.99	148.46 11.70 -48.16	153.20 11.38 -52.18	176.77 10.37 -77.70	169.55 10.56 -70.21	164.65 10.27 -65.77	165.80 9.70 -68.68	171.05 10.09 -71.66	184.10 14.53 -32.46	200.86 17.11 -28.24	259.09 23.27 -7.81	221.92 21.80 9.53	219.74 20.71 6.15	201.07 16.43 -18.67	175.44 13.23 -24.38	163.23 14.48 0.60	162.77 15.70 14.80
HOMER_HL_115KV_TB2 355744	88.48 -4.19 -10.42	90.38 -4.40 -10.09	89.78 -4.31 -11.12	89.42 -4.68 -9.09	88.56 -4.51 -8.05	89.48 -3.84 -7.97	90.79 -4.35 -9.87	89.89 -5.29 -9.83	92.09 -4.96 -8.44	94.37 -5.38 -10.12	96.92 -5.68 -13.91	95.21 -5.59 -12.02	94.46 -5.58 -11.44	93.59 -5.77 -11.95	96.08 -5.54 -12.32	136.61 -5.76 -5.26	154.93 -5.29 -4.71	213.55 -14.59 -0.13	194.14 -15.93 -0.42	191.58 -14.16 -0.56	160.47 -8.80 -3.31	129.99 -12.27 -4.43	145.18 -7.47 -3.31	155.39 -6.47 0.00
HOWARD_WT_PWR 323690	92.86 -0.98 -11.60	94.82 -1.10 -11.22	94.52 -0.83 -12.37	94.10 -1.02 -10.11	93.29 -0.68 -8.96	94.39 0.17 -8.87	96.33 0.09 -10.98	96.02 -0.34 -11.01	98.23 0.09 -9.53	100.65 -0.36 -11.37	103.55 -0.71 -15.58	101.55 -0.71 -13.48	100.65 -0.80 -12.84	99.50 -1.31 -13.40	102.04 -1.07 -13.80	139.63 -3.42 -5.95	157.73 -3.11 -5.33	219.73 -8.43 -0.15	201.10 -9.01 -0.46	196.55 -9.23 -0.61	161.26 -8.29 -3.59	135.06 -7.58 -4.81	145.92 -7.02 -3.59	155.08 -6.79 0.00



HQ_GEN_CEDARS 23644	80.60 -1.64 0.00	83.18 -1.52 0.00	81.40 -1.58 0.00	83.65 -1.36 0.00	83.48 -1.53 0.00	83.13 -2.22 0.00	82.96 -2.30 0.00	82.96 -2.39 0.00	84.97 -3.63 0.00	84.97 -4.66 0.00	84.79 -3.90 0.00	84.70 -4.08 0.00	84.62 -3.99 0.00	84.97 -2.45 0.00	85.28 -4.02 0.00	134.50 -2.61 0.00	152.40 -3.11 0.00	224.59 -3.42 0.00	206.71 -2.94 0.00	202.10 -3.08 0.00	163.64 -2.32 0.00	136.45 -1.38 0.00	147.85 -1.49 0.00	160.57 -1.29 0.00
HQ_GEN_CEDARS_PROXY 323590	80.61 -1.64 0.00	83.18 -1.52 0.00	81.40 -1.58 0.00	83.64 -1.36 0.00	83.48 -1.53 0.00	83.13 -2.22 0.00	82.97 -2.30 0.00	82.96 -2.39 0.00	84.97 -3.64 0.00	84.97 -4.66 0.00	84.97 -3.72 0.00	84.97 -3.82 0.00	84.97 -3.64 0.00	84.97 -2.45 0.00	84.97 -4.02 0.31	134.81 -2.61 -0.31	152.40 -3.11 0.00	224.59 -3.41 0.00	206.71 -2.94 0.00	202.10 -3.07 0.00	163.80 -2.16 0.00	136.45 -1.38 0.00	147.85 -1.49 0.00	160.57 -1.30 0.00
HQ_GEN_IMPORT 323601	80.61 -1.64 0.00	83.09 -1.61 0.00	81.40 -1.58 0.00	83.39 -1.62 0.00	83.39 -1.62 0.00	83.39 -1.96 0.00	83.39 -1.88 0.00	83.39 -1.96 0.00	85.00 -2.57 1.03	85.00 -2.69 1.95	85.00 -2.48 1.21	85.00 -2.49 1.30	85.00 -2.39 1.22	85.00 -2.18 0.24	85.00 -2.50 1.80	136.86 -2.05 -1.80	153.01 -2.49 0.00	224.82 -3.19 0.00	206.91 -2.73 0.00	202.50 -2.67 0.00	163.98 -1.98 0.00	136.18 -1.65 0.00	147.56 -1.79 0.00	160.09 -1.78 0.00
HQ_GEN_WHEEL 23651	80.61 -1.64 0.00	83.09 -1.61 0.00	81.40 -1.58 0.00	83.39 -1.62 0.00	83.39 -1.62 0.00	83.39 -1.96 0.00	83.39 -1.88 0.00	83.39 -1.96 0.00	85.00 -2.57 1.03	85.00 -2.69 1.95	85.00 -2.48 1.21	85.00 -2.49 1.30	85.00 -2.39 1.22	85.00 -2.18 0.24	85.00 -2.50 1.80	136.86 -2.05 -1.80	153.01 -2.49 0.00	224.82 -3.19 0.00	206.91 -2.73 0.00	202.50 -2.67 0.00	163.98 -1.98 0.00	136.18 -1.65 0.00	147.56 -1.79 0.00	160.09 -1.78 0.00
HUDSON AVE_GT_3 23810	142.20 5.92 -54.03	142.67 5.67 -52.30	145.94 5.31 -57.65	137.56 5.44 -47.11	132.29 5.53 -41.75	132.55 5.89 -41.31	142.57 6.14 -51.16	140.80 7.08 -48.36	137.60 8.15 -40.84	148.17 8.25 -50.29	167.45 8.25 -70.51	157.35 8.35 -60.22	154.13 8.42 -57.11	155.84 8.22 -60.20	160.13 8.48 -62.35	173.76 11.65 -25.00	189.48 12.91 -21.06	246.21 17.56 -0.64	227.61 15.93 -2.04	223.66 15.80 -2.69	194.61 12.78 -15.87	169.99 10.89 -21.27	176.56 11.35 -15.87	173.20 11.33 0.00
HUDSON AVE_GT_4 23540	142.20 5.92 -54.03	142.67 5.67 -52.30	145.94 5.31 -57.65	137.56 5.44 -47.11	132.29 5.53 -41.75	132.55 5.89 -41.31	142.57 6.14 -51.16	140.80 7.08 -48.36	137.60 8.15 -40.84	148.17 8.25 -50.29	167.45 8.25 -70.51	157.35 8.35 -60.22	154.13 8.42 -57.11	155.84 8.22 -60.20	160.13 8.48 -62.35	173.76 11.65 -25.00	189.48 12.91 -21.06	246.21 17.56 -0.64	227.61 15.93 -2.04	223.66 15.80 -2.69	194.61 12.78 -15.87	169.99 10.89 -21.27	176.56 11.35 -15.87	173.20 11.33 0.00
HUDSON AVE_GT_5 23657	142.20 5.92 -54.03	142.67 5.67 -52.30	145.94 5.31 -57.65	137.56 5.44 -47.11	132.29 5.53 -41.75	132.55 5.89 -41.31	142.57 6.14 -51.16	140.80 7.08 -48.36	137.60 8.15 -40.84	148.17 8.25 -50.29	167.45 8.25 -70.51	157.35 8.35 -60.22	154.13 8.42 -57.11	155.84 8.22 -60.20	160.13 8.48 -62.35	173.76 11.65 -25.00	189.48 12.91 -21.06	246.21 17.56 -0.64	227.61 15.93 -2.04	223.66 15.80 -2.69	194.61 12.78 -15.87	169.99 10.89 -21.27	176.56 11.35 -15.87	173.20 11.33 0.00
HUDSON_AVE_10 24168	141.87 5.59 -54.03	142.33 5.34 -52.30	145.61 4.98 -57.65	137.22 5.10 -47.11	131.95 5.19 -41.75	132.21 5.55 -41.31	142.31 5.88 -51.16	140.63 6.91 -48.36	137.43 7.97 -40.84	147.99 8.07 -50.29	167.18 7.98 -70.51	157.08 8.08 -60.22	153.87 8.15 -57.11	155.57 7.95 -60.20	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.57 10.48 -21.27	176.11 10.90 -15.87	172.71 10.85 0.00
HUDSON___115KV_TB 4 355613	151.45 4.85 -64.35	152.07 5.08 -62.28	156.54 4.90 -68.66	146.05 4.93 -56.11	139.66 4.93 -49.73	139.67 5.12 -49.20	151.23 5.03 -60.93	205.60 5.04 -115.21	211.53 5.41 -117.51	206.74 5.47 -111.64	216.89 5.23 -122.97	215.38 5.15 -121.44	214.28 5.23 -120.45	206.44 5.25 -113.77	206.09 5.45 -111.34	227.10 7.40 -82.59	263.63 8.40 -99.73	241.76 12.31 -1.44	225.30 11.11 -4.55	221.84 10.67 -6.00	209.52 8.13 -35.42	192.16 7.03 -47.30	192.83 8.06 -35.42	171.74 9.87 0.00
HUNTER MOUNT___DRP 323613	149.78 4.69 -62.84	150.43 4.91 -60.82	154.84 4.81 -67.05	144.56 4.76 -54.79	138.33 4.76 -48.56	138.34 4.95 -48.04	149.71 4.95 -59.50	192.78 5.04 -102.39	196.67 5.41 -102.66	195.03 5.47 -99.93	207.16 5.23 -113.23	203.79 5.15 -109.86	202.25 5.23 -108.41	196.38 5.25 -103.71	197.05 5.54 -102.21	216.16 7.68 -71.37	248.65 8.86 -84.28	242.29 13.00 -1.29	225.25 11.53 -4.08	221.84 11.28 -5.38	206.18 8.46 -31.76	187.56 7.31 -42.42	189.47 8.36 -31.76	172.88 11.01 0.00
HUNTINGTON_RES_REC 323705	146.23 8.14 -55.84	146.74 7.96 -54.08	147.85 7.22 -57.66	139.69 7.56 -47.12	134.50 7.73 -41.76	137.25 8.37 -43.53	146.66 8.44 -52.95	146.64 9.30 -51.99	147.12 10.36 -48.15	151.85 10.04 -52.18	175.26 8.87 -77.70	167.96 8.96 -70.21	163.07 8.69 -65.77	164.40 8.31 -68.68	169.54 8.57 -71.66	181.77 12.20 -32.46	198.05 14.30 -28.24	255.43 19.61 -7.81	218.82 18.65 9.48	216.71 17.65 6.11	198.59 13.94 -18.69	173.39 11.16 -24.40	160.88 12.09 0.55	160.22 13.11 14.76
HUNTLEY___63 23557	87.26 -3.62 -8.63	89.07 -3.98 -8.35	88.29 -3.90 -9.21	88.20 -4.34 -7.53	87.43 -4.25 -6.67	88.45 -3.50 -6.60	88.84 -4.60 -8.17	84.33 -6.15 -5.13	88.00 -5.85 -5.24	90.88 -6.27 -7.52	93.27 -6.74 -11.32	91.23 -6.75 -9.19	90.54 -6.65 -8.58	90.14 -6.82 -9.54	92.80 -6.61 -10.10	126.30 -13.44 -2.63	141.51 -14.00 0.00	203.05 -25.08 -0.12	185.90 -24.11 -0.36	182.26 -23.39 -0.47	150.40 -18.26 -2.70	124.35 -17.09 -3.61	136.36 -15.68 -2.70	147.14 -14.73 0.00
HUNTLEY___64 23558	87.26 -3.62 -8.63	89.07 -3.98 -8.35	88.29 -3.90 -9.21	88.20 -4.34 -7.53	87.43 -4.25 -6.67	88.45 -3.50 -6.60	88.84 -4.60 -8.17	84.33 -6.15 -5.13	88.00 -5.85 -5.24	90.88 -6.27 -7.52	93.27 -6.74 -11.32	91.23 -6.75 -9.19	90.54 -6.65 -8.58	90.14 -6.82 -9.54	92.80 -6.61 -10.10	126.30 -13.44 -2.63	141.51 -14.00 0.00	203.05 -25.08 -0.12	185.90 -24.11 -0.36	182.26 -23.39 -0.47	150.40 -18.26 -2.70	124.35 -17.09 -3.61	136.36 -15.68 -2.70	147.14 -14.73 0.00
HUNTLEY___65 23559	87.26 -3.62 -8.63	89.07 -3.98 -8.35	88.29 -3.90 -9.21	88.20 -4.34 -7.53	87.43 -4.25 -6.67	88.45 -3.50 -6.60	88.84 -4.60 -8.17	84.33 -6.15 -5.13	88.00 -5.85 -5.24	90.88 -6.27 -7.52	93.27 -6.74 -11.32	91.23 -6.75 -9.19	90.54 -6.65 -8.58	90.14 -6.82 -9.54	92.80 -6.61 -10.10	126.30 -13.44 -2.63	141.51 -14.00 0.00	203.05 -25.08 -0.12	185.90 -24.11 -0.36	182.26 -23.39 -0.47	150.40 -18.26 -2.70	124.35 -17.09 -3.61	136.36 -15.68 -2.70	147.14 -14.73 0.00
HUNTLEY___66 23560	87.26 -3.62 -8.63	89.07 -3.98 -8.35	88.29 -3.90 -9.21	88.20 -4.34 -7.53	87.43 -4.25 -6.67	88.45 -3.50 -6.60	88.84 -4.60 -8.17	84.33 -6.15 -5.13	88.00 -5.85 -5.24	90.88 -6.27 -7.52	93.27 -6.74 -11.32	91.23 -6.75 -9.19	90.54 -6.65 -8.58	90.14 -6.82 -9.54	92.80 -6.61 -10.10	126.30 -13.44 -2.63	141.51 -14.00 0.00	203.05 -25.08 -0.12	185.90 -24.11 -0.36	182.26 -23.39 -0.47	150.40 -18.26 -2.70	124.35 -17.09 -3.61	136.36 -15.68 -2.70	147.14 -14.73 0.00



HUNTLEY___67 23561	87.10 -3.95 -8.80	88.98 -4.23 -8.52	88.22 -4.15 -9.39	88.09 -4.59 -7.67	87.30 -4.51 -6.80	88.32 -3.76 -6.73	88.91 -4.69 -8.33	84.43 -6.15 -5.23	88.02 -5.94 -5.35	90.94 -6.36 -7.67	93.41 -6.83 -11.55	91.33 -6.84 -9.38	90.53 -6.82 -8.75	90.15 -6.99 -9.73	92.91 -6.70 -10.31	126.50 -13.30 -2.69	141.51 -14.00 0.00	202.81 -25.31 -0.11	185.88 -24.11 -0.35	182.25 -23.39 -0.46	150.62 -18.09 -2.75	124.43 -17.09 -3.69	136.56 -15.53 -2.75	147.14 -14.73 0.00
HUNTLEY___68 23562	87.10 -3.95 -8.80	88.98 -4.23 -8.52	88.22 -4.15 -9.39	88.09 -4.59 -7.67	87.30 -4.51 -6.80	88.32 -3.76 -6.73	88.91 -4.69 -8.33	84.43 -6.15 -5.23	88.02 -5.94 -5.35	90.94 -6.36 -7.67	93.41 -6.83 -11.55	91.33 -6.84 -9.38	90.53 -6.82 -8.75	90.15 -6.99 -9.73	92.91 -6.70 -10.31	126.50 -13.30 -2.69	141.51 -14.00 0.00	202.81 -25.31 -0.11	185.88 -24.11 -0.35	182.25 -23.39 -0.46	150.62 -18.09 -2.75	124.43 -17.09 -3.69	136.56 -15.53 -2.75	147.14 -14.73 0.00
HYLAND___LFGE 323620	94.29 2.47 -9.57	96.16 2.20 -9.26	95.35 2.15 -10.21	95.39 2.04 -8.35	94.44 2.04 -7.40	95.32 2.65 -7.32	97.14 2.81 -9.06	93.42 2.39 -5.69	97.40 2.92 -5.87	100.18 2.15 -8.40	102.64 1.33 -12.62	100.02 0.98 -10.26	99.16 0.98 -9.57	98.50 0.44 -10.64	101.56 0.98 -11.27	139.79 -0.27 -2.96	157.52 2.02 0.00	229.28 1.15 -0.12	210.65 0.63 -0.37	205.87 0.21 -0.49	167.71 -1.15 -2.91	140.48 -1.24 -3.89	151.80 -0.45 -2.91	161.87 0.00 0.00
INDECK___CORINTH 23802	156.41 6.00 -68.16	156.94 6.27 -65.97	161.85 6.14 -72.73	150.57 6.12 -59.44	143.88 6.20 -52.67	143.78 6.32 -52.11	156.21 6.40 -64.54	300.15 4.10 -210.70	323.65 4.52 -230.52	292.14 4.57 -197.94	283.91 4.87 -190.34	299.09 5.06 -205.24	301.92 4.96 -208.36	277.66 4.89 -185.35	269.48 5.09 -175.10	313.44 7.54 -168.80	385.20 9.17 -220.52	244.02 13.22 -2.79	230.62 12.15 -8.82	228.51 11.69 -11.64	244.00 9.29 -68.75	240.75 11.30 -91.61	230.04 11.95 -68.75	174.50 12.63 0.00
INDECK___ILION 23567	83.98 1.73 0.00	86.48 1.78 0.00	84.72 1.74 0.00	86.88 1.87 0.00	86.96 1.96 0.00	87.48 2.13 0.00	87.40 2.13 0.00	87.57 2.22 0.00	91.18 2.57 0.00	92.41 2.78 0.00	91.44 2.75 0.00	91.63 2.84 0.00	91.44 2.84 0.00	90.04 2.62 0.00	92.07 2.77 0.00	140.81 3.70 0.00	159.70 4.20 0.00	233.94 5.93 0.00	214.88 5.24 0.00	210.30 5.13 0.00	169.94 3.98 0.00	141.00 3.17 0.00	152.93 3.58 0.00	165.59 3.72 0.00
INDECK___OLEAN 23982	88.48 -4.19 -10.42	90.38 -4.41 -10.09	89.78 -4.32 -11.12	89.42 -4.68 -9.09	88.55 -4.51 -8.05	89.48 -3.84 -7.97	90.79 -4.35 -9.87	89.88 -5.29 -9.83	92.09 -4.96 -8.44	94.38 -5.38 -10.12	96.92 -5.68 -13.91	95.21 -5.59 -12.02	94.47 -5.58 -11.44	93.59 -5.77 -11.95	96.08 -5.54 -12.32	136.62 -5.75 -5.26	154.15 -6.07 -4.71	211.51 -16.64 -0.13	192.65 -17.40 -0.41	188.89 -16.82 -0.54	155.37 -13.77 -3.18	129.97 -12.13 -4.26	145.06 -7.46 -3.18	155.08 -6.79 0.00
INDECK___OSWEGO 23783	83.87 -2.22 -3.84	86.13 -2.28 -3.71	84.84 -2.24 -4.09	86.06 -2.29 -3.34	85.59 -2.38 -2.96	86.06 -2.22 -2.93	86.77 -2.13 -3.63	85.58 -2.05 -2.28	86.99 -1.86 -0.25	89.10 -1.79 -1.26	89.69 -1.95 -2.95	88.84 -1.95 -2.00	88.30 -2.03 -1.73	87.39 -2.18 -2.16	89.66 -2.05 -2.41	133.00 -4.11 0.00	151.15 -4.35 0.00	220.94 -7.07 0.00	203.99 -5.65 0.00	199.43 -5.74 0.00	161.14 -4.82 0.00	133.71 -4.13 -0.01	145.01 -4.34 0.00	157.17 -4.70 0.00
INDECK___YERKES 23781	87.35 -3.53 -8.63	89.16 -3.89 -8.35	88.37 -3.82 -9.21	88.29 -4.25 -7.53	87.51 -4.16 -6.67	88.53 -3.42 -6.60	88.92 -4.52 -8.17	84.42 -6.06 -5.13	88.09 -5.76 -5.24	90.97 -6.18 -7.52	93.27 -6.74 -11.32	91.32 -6.66 -9.19	90.54 -6.65 -8.58	90.14 -6.82 -9.54	92.89 -6.52 -10.10	126.31 -13.43 -2.63	140.42 -15.08 0.00	201.23 -26.91 -0.12	184.20 -25.79 -0.35	180.59 -25.04 -0.45	147.47 -21.08 -2.59	124.34 -16.96 -3.47	136.40 -15.54 -2.59	146.98 -14.89 0.00
INDIAN POINT_GT_1 24139	140.96 5.26 -53.45	141.60 5.17 -51.73	144.82 4.81 -57.03	136.63 5.02 -46.61	131.33 5.02 -41.30	131.51 5.29 -40.86	141.33 5.46 -50.61	139.49 6.32 -47.82	136.17 7.18 -40.38	146.62 7.26 -49.73	165.62 7.18 -69.74	155.62 7.28 -59.55	152.35 7.27 -56.48	154.04 7.08 -59.54	158.29 7.32 -61.67	171.83 10.01 -24.71	187.36 11.04 -20.81	243.92 15.28 -0.64	225.29 13.63 -2.01	221.38 13.54 -2.66	192.45 10.79 -15.70	168.24 9.37 -21.04	174.75 9.71 -15.70	171.74 9.87 0.00
INDIAN POINT_GT_2 23659	140.96 5.26 -53.45	141.60 5.17 -51.73	144.82 4.81 -57.03	136.63 5.02 -46.61	131.33 5.02 -41.30	131.51 5.29 -40.86	141.33 5.46 -50.61	139.49 6.32 -47.82	136.17 7.18 -40.38	146.62 7.26 -49.73	165.62 7.18 -69.74	155.62 7.28 -59.55	152.35 7.27 -56.48	154.04 7.08 -59.54	158.29 7.32 -61.67	171.83 10.01 -24.71	187.36 11.04 -20.81	243.92 15.28 -0.64	225.29 13.63 -2.01	221.38 13.54 -2.66	192.45 10.79 -15.70	168.24 9.37 -21.04	174.75 9.71 -15.70	171.74 9.87 0.00
INDIAN POINT_GT_3 24019	140.96 5.26 -53.45	141.60 5.17 -51.73	144.82 4.81 -57.03	136.63 5.02 -46.61	131.33 5.02 -41.30	131.51 5.29 -40.86	141.33 5.46 -50.61	139.49 6.32 -47.82	136.17 7.18 -40.38	146.62 7.26 -49.73	165.62 7.18 -69.74	155.62 7.28 -59.55	152.35 7.27 -56.48	154.04 7.08 -59.54	158.29 7.32 -61.67	171.83 10.01 -24.71	187.36 11.04 -20.81	243.92 15.28 -0.64	225.29 13.63 -2.01	221.38 13.54 -2.66	192.45 10.79 -15.70	168.24 9.37 -21.04	174.75 9.71 -15.70	171.74 9.87 0.00
INDIAN POINT___2 23530	140.07 5.18 -52.64	140.65 5.00 -50.95	143.87 4.73 -56.17	135.75 4.84 -45.90	130.53 4.84 -40.68	130.80 5.21 -40.25	140.49 5.38 -49.84	138.53 6.15 -47.03	135.30 7.00 -39.69	145.63 7.08 -48.92	164.34 7.00 -68.64	154.39 7.01 -58.59	151.17 7.00 -55.56	152.83 6.82 -58.59	157.14 7.15 -60.69	171.12 9.74 -24.27	186.95 11.04 -20.40	244.15 15.51 -0.63	225.46 13.83 -1.98	221.53 13.75 -2.61	192.50 11.12 -15.42	167.59 9.09 -20.66	174.17 9.41 -15.42	171.42 9.55 0.00
INDIAN POINT___3 23531	140.58 5.18 -53.15	141.14 5.00 -51.44	144.42 4.73 -56.71	136.20 4.85 -46.34	130.92 4.85 -41.07	131.19 5.21 -40.64	140.88 5.29 -50.33	138.94 6.06 -47.53	135.74 7.00 -40.14	146.06 6.99 -49.43	164.95 6.92 -69.34	155.00 7.01 -59.20	151.75 7.00 -56.14	153.43 6.82 -59.19	157.67 7.05 -61.31	171.26 9.60 -24.56	186.75 10.57 -20.67	243.23 14.59 -0.63	224.85 13.21 -2.00	220.74 12.93 -2.64	192.02 10.46 -15.61	167.84 9.10 -20.92	174.36 9.41 -15.61	171.26 9.39 0.00
INGHAM_C_115KV_TB7 356103	85.13 2.88 0.00	87.58 2.88 0.00	85.80 2.82 0.00	88.07 3.06 0.00	88.24 3.23 0.00	89.02 3.67 0.00	88.93 3.67 0.00	89.19 3.84 0.00	92.95 4.34 0.00	94.21 4.57 0.00	93.39 4.70 0.00	93.58 4.79 0.00	93.39 4.78 0.00	91.96 4.55 0.00	93.95 4.64 0.00	143.41 6.31 0.00	162.66 7.15 0.00	238.27 10.26 0.00	218.45 8.81 0.00	213.59 8.41 0.00	172.60 6.64 0.00	143.07 5.24 0.00	155.32 5.97 0.00	168.34 6.47 0.00
IP CORINTH___1 23988	156.41 6.00 -68.16	156.94 6.27 -65.97	161.85 6.14 -72.73	150.56 6.12 -59.44	143.89 6.21 -52.67	143.78 6.32 -52.11	156.20 6.39 -64.54	300.58 4.52 -210.70	324.18 5.05 -230.52	292.68 5.11 -197.94	284.36 5.32 -190.34	299.53 5.50 -205.24	302.46 5.49 -208.36	278.10 5.33 -185.35	270.02 5.63 -175.10	314.27 8.36 -168.80	386.14 10.11 -220.52	245.39 14.59 -2.79	231.89 13.42 -8.83	229.75 12.93 -11.65	249.00 14.27 -68.77	240.77 11.30 -91.64	230.06 11.95 -68.77	174.50 12.63 0.00



IP___TICONDEROGA 23804	159.70 9.38 -68.08	160.34 9.74 -65.89	165.16 9.54 -72.64	153.98 9.61 -59.36	147.39 9.78 -52.61	147.30 9.90 -52.05	159.79 10.06 -64.47	303.21 8.53 -209.33	326.82 9.30 -228.91	295.75 9.41 -196.70	287.81 9.76 -189.36	303.03 10.21 -204.03	305.80 10.10 -207.09	281.61 9.88 -184.31	273.65 10.18 -174.17	320.44 15.77 -167.57	393.43 19.13 -218.80	258.82 28.05 -2.77	243.97 25.58 -8.75	241.35 24.62 -11.55	257.06 22.90 -68.20	246.77 18.06 -90.88	236.81 19.27 -68.20	182.10 20.23 0.00
ISLIP_RES_REC 323679	147.96 9.78 -55.93	148.35 9.48 -54.17	149.27 8.63 -57.66	141.31 9.18 -47.12	136.20 9.43 -41.76	139.06 10.07 -43.64	148.36 10.06 -53.04	148.35 10.93 -52.07	148.91 12.05 -48.25	153.65 11.74 -52.27	177.46 10.73 -78.04	170.38 10.92 -70.68	165.41 10.63 -66.18	166.63 10.14 -69.07	171.84 10.44 -72.10	185.14 15.22 -32.81	201.96 17.88 -28.58	260.57 24.41 -8.15	223.61 23.06 9.10	221.34 21.96 5.80	202.25 17.26 -19.03	176.60 13.92 -24.85	163.97 15.08 0.45	163.72 16.52 14.67
JAMAICA__27_KV_LOAD 355505	142.12 5.84 -54.03	142.59 5.59 -52.30	145.77 5.14 -57.65	137.39 5.27 -47.11	132.03 5.27 -41.75	132.55 5.89 -41.31	142.65 6.22 -51.16	141.22 7.51 -48.36	138.14 8.68 -40.84	148.71 8.78 -50.29	167.72 8.51 -70.51	157.70 8.70 -60.22	154.40 8.68 -57.11	156.19 8.57 -60.20	160.49 8.84 -62.35	174.17 12.07 -25.00	190.10 13.53 -21.06	247.12 18.47 -0.64	228.45 16.77 -2.04	224.48 16.62 -2.69	195.27 13.44 -15.87	170.40 11.30 -21.27	177.46 12.25 -15.87	173.69 11.82 0.00
JANIS___SOLAR 323808	101.22 3.95 -15.03	103.39 4.15 -14.54	103.08 4.06 -16.03	102.27 4.16 -13.10	100.78 4.16 -11.61	101.79 4.95 -11.49	104.61 5.12 -14.23	107.46 5.29 -16.81	110.44 5.94 -15.90	113.07 5.91 -17.53	116.95 5.85 -22.41	114.81 5.86 -20.17	113.83 5.76 -19.46	112.47 5.33 -19.72	115.22 5.89 -20.03	155.66 8.23 -10.33	176.14 10.42 -10.22	242.62 14.37 -0.24	222.12 11.73 -0.74	217.43 11.28 -0.98	180.22 8.46 -5.80	152.20 6.62 -7.75	162.60 7.46 -5.80	169.96 8.09 0.00
JARVIS____ 23743	82.99 0.74 0.00	85.46 0.76 0.00	83.72 0.75 0.00	85.77 0.76 0.00	85.86 0.85 0.00	86.29 0.94 0.00	86.12 0.85 0.00	86.20 0.85 0.00	89.67 1.07 0.00	90.80 1.16 0.00	89.76 1.07 0.00	89.85 1.07 0.00	89.67 1.07 0.00	88.47 1.05 0.00	90.38 1.08 0.00	138.34 1.23 0.00	156.90 1.40 0.00	230.06 2.05 0.00	211.31 1.67 0.00	206.81 1.63 0.00	167.28 1.32 0.00	138.93 1.10 0.00	150.68 1.34 0.00	163.16 1.29 0.00
JENNISON___1 23625	105.52 4.11 -19.16	107.74 4.49 -18.55	107.82 4.40 -20.45	106.22 4.51 -16.71	104.41 4.59 -14.81	105.29 5.29 -14.65	108.78 5.37 -18.14	115.08 5.55 -24.18	119.06 6.38 -24.07	121.51 6.54 -25.33	126.29 6.65 -30.95	124.14 6.75 -28.61	123.00 6.56 -27.83	121.20 6.12 -27.67	123.64 6.52 -27.82	162.40 9.32 -15.97	183.43 11.35 -16.58	244.33 15.96 -0.36	223.98 13.21 -1.13	219.80 13.13 -1.49	185.07 10.29 -8.82	157.06 7.44 -11.79	166.83 8.66 -8.82	171.26 9.39 0.00
JENNISON___2 23626	105.52 4.11 -19.16	107.74 4.49 -18.55	107.82 4.40 -20.45	106.22 4.51 -16.71	104.41 4.59 -14.81	105.29 5.29 -14.65	108.78 5.37 -18.14	115.08 5.55 -24.18	119.06 6.38 -24.07	121.51 6.54 -25.33	126.29 6.65 -30.95	124.14 6.75 -28.61	123.00 6.56 -27.83	121.20 6.12 -27.67	123.64 6.52 -27.82	162.40 9.32 -15.97	183.43 11.35 -16.58	244.33 15.96 -0.36	223.98 13.21 -1.13	219.80 13.13 -1.49	185.07 10.29 -8.82	157.06 7.44 -11.79	166.83 8.66 -8.82	171.26 9.39 0.00
JERICHO_RISE_WT_PWR 323719	79.78 -2.47 0.00	82.24 -2.46 0.00	80.57 -2.41 0.00	82.89 -2.12 0.00	82.97 -2.04 0.00	82.87 -2.48 0.00	82.79 -2.48 0.00	82.96 -2.39 0.00	85.59 -3.01 0.00	86.68 -2.96 0.00	86.21 -2.48 0.00	86.39 -2.39 0.00	86.30 -2.30 0.00	85.41 -2.01 0.00	86.89 -2.41 0.00	135.32 -1.79 0.00	153.33 -2.18 0.00	225.95 -2.06 0.00	207.96 -1.68 0.00	203.12 -2.05 0.00	164.63 -1.33 0.00	136.72 -1.11 0.00	147.85 -1.49 0.00	160.90 -0.97 0.00
KATONAH___115KV_46KV_TB4 355592	142.86 5.92 -54.69	143.48 5.84 -52.94	146.81 5.48 -58.36	138.31 5.61 -47.69	132.80 5.53 -42.26	133.14 5.97 -41.82	143.28 6.22 -51.79	141.53 7.08 -49.10	138.27 8.15 -41.51	148.82 8.16 -51.03	168.41 8.25 -71.47	158.20 8.35 -61.07	154.78 8.24 -57.93	156.50 8.04 -61.04	160.81 8.31 -63.20	174.06 11.52 -25.43	190.07 13.06 -21.50	246.67 18.01 -0.65	228.06 16.35 -2.07	223.90 16.00 -2.73	194.83 12.78 -16.09	170.42 11.03 -21.56	176.64 11.20 -16.09	173.36 11.49 0.00
KCE_NY_1 323755	155.88 5.67 -67.96	156.32 5.84 -65.78	161.22 5.72 -72.52	150.05 5.78 -59.26	143.39 5.86 -52.52	143.29 5.97 -51.96	155.59 5.97 -64.36	298.37 5.63 -207.39	321.36 6.11 -226.64	290.77 6.18 -194.96	282.97 6.30 -187.98	297.51 6.40 -202.33	300.30 6.38 -205.31	276.48 6.21 -182.86	268.68 6.52 -172.87	312.54 9.59 -165.84	383.09 11.20 -216.38	246.70 15.96 -2.73	232.75 14.45 -8.65	230.73 14.15 -11.41	244.63 11.29 -67.37	237.67 10.06 -89.79	227.48 10.76 -67.37	173.36 11.49 0.00
KCE_NY_6_ESR 323823	87.98 -3.45 -9.18	89.86 -3.72 -8.89	89.13 -3.65 -9.80	88.94 -4.08 -8.01	88.20 -3.91 -7.10	89.13 -3.24 -7.02	89.96 -4.01 -8.70	85.43 -5.37 -5.46	89.07 -5.14 -5.60	92.11 -5.56 -8.03	94.74 -6.03 -12.08	92.65 -5.95 -9.81	91.83 -5.94 -9.16	91.47 -6.12 -10.18	94.28 -5.80 -10.78	129.09 -10.83 -2.82	143.22 -12.29 0.00	204.87 -23.26 -0.12	187.35 -22.65 -0.36	183.69 -21.95 -0.47	150.31 -18.43 -2.77	126.38 -15.16 -3.71	139.27 -12.84 -2.77	149.73 -12.14 0.00
KEDC_PORT_JEFF_GT2 24210	147.25 9.21 -55.79	147.71 8.97 -54.03	148.78 8.14 -57.66	140.80 8.68 -47.12	135.61 8.84 -41.76	138.38 9.56 -43.48	147.72 9.55 -52.91	147.70 10.41 -51.95	148.23 11.51 -48.11	152.88 11.11 -52.13	176.06 9.84 -77.53	168.78 10.03 -69.97	163.83 9.66 -65.56	165.15 9.26 -68.47	170.20 9.46 -71.44	182.96 13.58 -32.28	199.60 16.02 -28.07	256.61 20.96 -7.64	219.60 19.70 9.75	218.34 19.50 6.34	199.71 15.26 -18.49	174.23 12.26 -24.13	162.40 13.73 0.67	161.89 14.88 14.86
KEDC_PORT_JEFF_GT3 24211	147.25 9.21 -55.79	147.71 8.97 -54.03	148.78 8.14 -57.66	140.80 8.68 -47.12	135.61 8.84 -41.76	138.38 9.56 -43.48	147.72 9.55 -52.91	147.70 10.41 -51.95	148.23 11.51 -48.11	152.88 11.11 -52.13	176.06 9.84 -77.53	168.78 10.03 -69.97	163.83 9.66 -65.56	165.15 9.26 -68.47	170.20 9.46 -71.44	182.96 13.58 -32.28	199.60 16.02 -28.07	256.61 20.96 -7.64	219.60 19.70 9.75	218.34 19.50 6.34	199.71 15.26 -18.49	174.23 12.26 -24.13	162.40 13.73 0.67	161.89 14.88 14.86
KEDC_GLWD_GT4 24219	150.72 7.07 -61.39	151.20 6.95 -59.55	147.13 6.48 -57.67	138.78 6.63 -47.13	133.49 6.71 -41.77	142.89 7.17 -50.37	151.05 7.33 -58.45	150.14 8.11 -56.68	150.08 9.13 -52.35	156.85 9.23 -57.99	196.80 9.14 -98.97	197.79 9.23 -99.77	189.17 9.13 -91.43	190.12 8.92 -93.78	197.83 9.29 -99.24	204.59 12.88 -54.60	218.71 13.69 -49.51	276.25 19.16 -29.09	250.47 17.81 -23.01	243.05 17.24 -20.64	222.79 14.27 -42.56	206.22 12.13 -56.26	175.64 12.69 -13.61	173.30 13.60 2.17
KEDC_GLWD_GT5 24220	150.72 7.07 -61.39	151.20 6.95 -59.55	147.13 6.48 -57.67	138.78 6.63 -47.13	133.49 6.71 -41.77	142.89 7.17 -50.37	151.05 7.33 -58.45	150.14 8.11 -56.68	150.08 9.13 -52.35	156.85 9.23 -57.99	196.80 9.14 -98.97	197.79 9.23 -99.77	189.17 9.13 -91.43	190.12 8.92 -93.78	197.83 9.29 -99.24	204.59 12.88 -54.60	218.71 13.69 -49.51	276.25 19.16 -29.09	250.47 17.81 -23.01	243.05 17.24 -20.64	222.79 14.27 -42.56	206.22 12.13 -56.26	175.64 12.69 -13.61	173.30 13.60 2.17



KENSICO____ 23655	141.76 5.59 -53.92	142.31 5.42 -52.19	145.66 5.14 -57.53	137.30 5.27 -47.02	131.95 5.27 -41.67	132.21 5.63 -41.23	142.12 5.80 -51.06	140.19 6.57 -48.27	136.91 7.53 -40.77	147.35 7.53 -50.19	166.51 7.45 -70.37	156.43 7.55 -60.10	153.14 7.53 -57.00	154.84 7.34 -60.08	159.12 7.59 -62.23	172.48 10.42 -24.95	188.04 11.51 -21.03	244.61 15.96 -0.64	225.93 14.26 -2.03	222.01 14.16 -2.68	193.25 11.45 -15.84	168.98 9.92 -21.23	175.34 10.16 -15.84	172.23 10.36 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	139.66 5.68 -51.74	140.45 5.67 -50.08	143.49 5.31 -55.20	135.56 5.44 -45.11	130.34 5.36 -39.98	130.71 5.80 -39.56	140.14 5.88 -48.99	142.57 6.49 -50.73	140.46 7.44 -44.41	149.12 7.35 -52.14	166.49 7.27 -70.52	157.64 7.37 -61.49	154.68 7.35 -58.72	155.47 7.17 -60.89	159.63 7.77 -62.56	175.93 10.83 -28.00	193.69 12.28 -25.90	246.23 17.56 -0.67	227.28 15.51 -2.12	223.15 15.18 -2.80	194.58 12.12 -16.51	170.41 10.48 -22.11	176.60 10.75 -16.51	172.71 10.85 0.00
KIAC_JFK_GT1 23816	141.62 5.35 -54.03	142.08 5.08 -52.30	145.28 4.65 -57.65	136.88 4.76 -47.11	131.61 4.85 -41.75	132.04 5.38 -41.31	142.14 5.71 -51.16	140.71 7.00 -48.36	137.60 8.15 -40.84	148.17 8.25 -50.29	167.18 7.98 -70.51	157.17 8.17 -60.22	153.87 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.43 10.34 -21.27	176.41 11.20 -15.87	172.71 10.85 0.00
KIAC_JFK_GT2 23817	141.62 5.35 -54.03	142.08 5.08 -52.30	145.28 4.65 -57.65	136.88 4.76 -47.11	131.61 4.85 -41.75	132.04 5.38 -41.31	142.14 5.71 -51.16	140.71 7.00 -48.36	137.60 8.15 -40.84	148.17 8.25 -50.29	167.18 7.98 -70.51	157.17 8.17 -60.22	153.87 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.43 10.34 -21.27	176.41 11.20 -15.87	172.71 10.85 0.00
KIAC_JFK____ 323774	141.62 5.34 -54.03	142.08 5.08 -52.30	145.27 4.64 -57.65	136.88 4.76 -47.11	131.60 4.84 -41.75	132.04 5.38 -41.31	142.14 5.71 -51.16	140.71 7.00 -48.36	137.60 8.15 -40.84	148.26 8.34 -50.29	167.27 8.07 -70.51	157.16 8.16 -60.22	153.86 8.15 -57.11	155.66 8.04 -60.20	159.96 8.31 -62.35	173.20 11.10 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	227.82 16.14 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.40 10.34 -21.22	176.39 11.21 -15.84	172.72 10.85 0.00
KINTIGH____ 23543	86.81 -3.04 -7.60	88.76 -3.30 -7.36	87.86 -3.24 -8.11	87.98 -3.66 -6.63	87.31 -3.57 -5.88	88.18 -2.99 -5.81	88.71 -3.75 -7.20	84.92 -4.95 -4.52	88.47 -4.70 -4.55	91.09 -5.11 -6.56	93.11 -5.50 -9.91	91.32 -5.50 -8.04	90.61 -5.49 -7.50	90.16 -5.59 -8.34	92.79 -5.36 -8.84	126.78 -12.61 -2.29	142.29 -13.22 0.00	205.30 -22.80 -0.09	188.55 -21.38 -0.29	184.43 -21.13 -0.39	151.05 -17.26 -2.34	126.08 -14.89 -3.14	136.75 -14.93 -2.34	147.46 -14.41 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	81.18 -1.07 0.00	83.77 -0.93 0.00	81.98 -1.00 0.00	84.58 -0.43 0.00	84.58 -0.43 0.00	84.41 -0.94 0.00	84.07 -1.19 0.00	84.15 -1.19 0.00	86.92 -1.68 0.00	88.20 -1.43 0.00	87.72 -0.98 0.00	87.81 -0.98 0.00	87.72 -0.89 0.00	86.89 -0.52 0.00	88.32 -0.98 0.00	137.24 0.14 0.00	155.51 0.00 0.00	229.38 1.37 0.00	211.11 1.47 0.00	206.20 1.03 0.00	167.12 1.16 0.00	138.66 0.83 0.00	149.94 0.60 0.00	163.81 1.94 0.00
LACHUTE__HYDRO 323717	159.70 9.37 -68.08	160.33 9.74 -65.89	165.16 9.54 -72.64	153.98 9.60 -59.36	147.39 9.77 -52.61	147.30 9.90 -52.05	159.79 10.06 -64.47	303.21 8.53 -209.33	326.82 9.30 -228.91	295.75 9.41 -196.70	287.90 9.84 -189.36	303.03 10.21 -204.03	305.79 10.10 -207.09	281.61 9.88 -184.31	273.74 10.27 -174.17	320.44 15.76 -167.57	393.43 19.12 -218.80	258.35 27.58 -2.77	243.75 25.36 -8.75	241.13 24.40 -11.55	253.22 19.08 -68.18	246.74 18.05 -90.85	236.79 19.27 -68.18	182.10 20.23 0.00
LAWRNCV_115KV_TB1 80681	80.11 -2.14 0.00	82.75 -1.95 0.00	80.99 -1.99 0.00	83.22 -1.79 0.00	82.88 -2.13 0.00	82.19 -3.16 0.00	81.69 -3.58 0.00	81.77 -3.58 0.00	83.82 -4.78 0.00	83.99 -5.65 0.00	84.17 -4.52 0.00	84.08 -4.71 0.00	84.00 -4.61 0.00	84.10 -3.32 0.00	84.48 -4.82 0.00	132.58 -4.52 0.00	150.22 -5.29 0.00	221.62 -6.38 0.00	203.98 -5.66 0.00	199.43 -5.74 0.00	161.48 -4.48 0.00	135.35 -2.48 0.00	147.10 -2.24 0.00	160.09 -1.78 0.00
LEDERLE____ 23769	139.39 5.35 -51.80	140.09 5.25 -50.14	143.14 4.90 -55.27	135.19 5.02 -45.17	130.05 5.02 -40.03	130.33 5.38 -39.60	139.86 5.54 -49.05	137.81 6.23 -46.23	134.79 7.18 -39.00	144.99 7.26 -48.10	163.39 7.18 -67.52	153.69 7.28 -57.62	150.51 7.27 -54.64	152.12 7.08 -57.63	156.32 7.32 -59.70	171.10 10.15 -23.85	186.72 11.20 -20.01	244.13 15.50 -0.62	225.43 13.84 -1.95	221.50 13.75 -2.57	192.11 10.95 -15.20	167.71 9.51 -20.37	174.40 9.86 -15.20	171.74 9.87 0.00
LIGHTRSE_115KV_TB6 355974	85.16 -0.82 -3.74	87.47 -0.85 -3.62	86.14 -0.83 -3.99	87.42 -0.85 -3.26	86.88 -1.02 -2.89	87.44 -0.77 -2.86	88.21 -0.60 -3.54	87.14 -0.43 -2.22	88.67 -0.18 -0.24	90.86 0.00 -1.23	91.57 0.00 -2.87	90.74 0.00 -1.95	89.94 -0.35 -1.68	88.91 -0.61 -2.10	91.20 -0.45 -2.35	135.60 -1.51 0.00	154.42 -1.09 0.00	226.18 -1.82 0.00	207.97 -1.68 0.00	203.53 -1.64 0.00	164.30 -1.66 0.00	136.05 -1.79 -0.01	147.55 -1.79 0.00	159.93 -1.94 0.00
LINDEN COGEN____ 23786	141.70 5.43 -54.03	142.16 5.17 -52.30	145.44 4.81 -57.65	137.05 4.93 -47.11	131.69 4.93 -41.75	132.04 5.38 -41.31	142.05 5.63 -51.16	140.37 6.66 -48.36	137.16 7.70 -40.84	147.71 7.79 -50.29	167.01 7.81 -70.51	156.90 7.90 -60.21	153.60 7.88 -57.11	155.39 7.78 -60.20	159.69 8.04 -62.35	172.93 10.83 -25.00	189.01 12.45 -21.06	245.97 17.32 -0.64	227.19 15.51 -2.03	223.44 15.59 -2.68	194.40 12.61 -15.84	169.25 10.20 -21.22	175.63 10.45 -15.84	172.24 10.37 0.00
LINDHRST_69_KV_BK1 356055	149.56 9.13 -58.18	149.98 8.89 -56.38	148.78 8.13 -57.66	140.55 8.42 -47.13	135.36 8.59 -41.76	140.98 9.22 -46.41	149.83 9.29 -55.27	149.70 10.16 -54.19	150.42 11.25 -50.56	155.46 11.20 -54.62	183.93 10.38 -84.86	179.42 10.48 -80.16	173.20 10.19 -74.41	174.51 9.97 -77.12	180.60 10.36 -80.94	191.69 14.67 -39.91	208.01 17.11 -35.40	266.47 23.48 -14.97	230.58 20.96 0.03	227.61 20.72 -1.71	208.80 16.43 -26.41	186.44 13.92 -34.69	167.43 14.93 -3.15	164.60 14.24 11.51
LIPA_MISC_IPP 23656	147.36 9.38 -55.73	147.73 9.06 -53.97	148.94 8.30 -57.66	141.05 8.93 -47.12	135.95 9.18 -41.76	138.57 9.82 -43.40	147.92 9.81 -52.84	147.91 10.67 -51.89	148.35 11.70 -48.05	153.17 11.47 -52.06	176.10 10.11 -77.30	168.82 10.39 -69.65	163.99 10.10 -65.28	165.50 9.88 -68.20	170.71 10.27 -71.14	183.82 14.67 -32.04	200.61 17.26 -27.84	257.99 22.57 -7.41	219.73 20.13 10.04	218.70 20.11 6.58	200.00 15.77 -18.28	174.91 13.23 -23.85	162.93 14.34 0.75	160.51 13.60 14.96
LISF__SOLAR 323691	147.54 9.54 -55.75	147.93 9.23 -54.00	149.11 8.47 -57.66	141.23 9.10 -47.12	136.12 9.35 -41.76	138.76 9.98 -43.43	148.11 9.97 -52.87	148.10 10.84 -51.91	148.56 11.88 -48.08	153.29 11.57 -52.09	176.72 10.64 -77.39	169.29 10.74 -69.77	164.54 10.54 -65.39	165.77 10.05 -68.30	171.00 10.44 -71.25	184.46 15.22 -32.13	201.16 17.72 -27.93	259.44 23.93 -7.50	222.36 22.65 9.93	220.02 21.34 6.49	201.05 16.76 -18.34	175.28 13.52 -23.93	163.25 14.64 0.74	162.98 16.03 14.92



LITTLE FALLS___HYD 24013	85.13 2.88 0.00	87.58 2.88 0.00	85.80 2.82 0.00	88.07 3.06 0.00	88.24 3.23 0.00	89.02 3.67 0.00	88.93 3.67 0.00	89.19 3.84 0.00	92.95 4.34 0.00	94.21 4.57 0.00	93.39 4.70 0.00	93.58 4.79 0.00	93.39 4.78 0.00	91.96 4.55 0.00	93.95 4.64 0.00	143.41 6.31 0.00	162.66 7.15 0.00	238.27 10.26 0.00	218.45 8.81 0.00	213.59 8.41 0.00	172.60 6.64 0.00	143.07 5.24 0.00	155.32 5.97 0.00	168.34 6.47 0.00
LITTLRIV_115KV_TB1 356100	80.85 -1.40 0.00	83.51 -1.19 0.00	81.73 -1.24 0.00	83.99 -1.02 0.00	83.73 -1.28 0.00	83.05 -2.30 0.00	82.54 -2.73 0.00	82.62 -2.73 0.00	84.71 -3.90 0.00	84.97 -4.66 0.00	85.14 -3.55 0.00	85.06 -3.73 0.00	84.97 -3.63 0.00	84.97 -2.45 0.00	85.46 -3.84 0.00	134.23 -2.88 0.00	152.24 -3.27 0.00	225.04 -2.96 0.00	206.92 -2.73 0.00	202.30 -2.87 0.00	163.80 -2.16 0.00	137.00 -0.83 0.00	149.04 -0.30 0.00	162.03 0.16 0.00
LI_NEWBRDGE___DRP 323616	144.11 7.40 -54.46	144.71 7.28 -52.72	147.27 6.64 -57.66	139.01 6.89 -47.12	133.73 6.97 -41.75	134.70 7.51 -41.84	144.53 7.67 -51.59	144.50 8.45 -50.70	144.86 9.48 -46.77	149.78 9.41 -50.74	170.13 8.87 -72.57	160.82 8.97 -63.07	157.04 8.86 -59.58	158.69 8.65 -62.62	163.23 8.93 -65.00	176.70 12.48 -27.12	192.76 14.15 -23.11	250.29 19.61 -2.68	211.12 17.61 16.13	210.99 17.44 11.63	193.13 13.94 -13.23	166.82 11.85 -17.13	159.34 12.84 2.85	157.04 11.98 16.81
LOCKPORT_115KV_TB60_63_64 80432	85.90 -4.61 -8.26	87.70 -5.00 -7.99	86.89 -4.90 -8.81	86.77 -5.44 -7.20	86.12 -5.27 -6.38	87.05 -4.61 -6.31	87.46 -5.63 -7.82	83.17 -7.08 -4.91	86.77 -6.82 -4.99	89.46 -7.35 -7.17	91.70 -7.80 -10.81	89.84 -7.72 -8.78	89.08 -7.71 -8.18	88.65 -7.87 -9.10	91.27 -7.68 -9.65	124.26 -15.36 -2.51	139.33 -16.17 0.00	199.89 -28.27 -0.15	183.19 -26.83 -0.38	179.40 -26.26 -0.48	147.95 -20.58 -2.57	122.39 -18.88 -3.44	133.99 -17.92 -2.57	144.87 -17.00 0.00
LOCKPORT___CC1 323769	85.64 -4.93 -8.32	87.51 -5.25 -8.06	86.64 -5.23 -8.88	86.57 -5.69 -7.26	85.83 -5.61 -6.43	86.85 -4.86 -6.36	87.27 -5.88 -7.88	82.96 -7.34 -4.95	86.55 -7.09 -5.03	89.25 -7.62 -7.23	91.44 -8.16 -10.90	89.56 -8.08 -8.85	88.80 -8.06 -8.25	88.47 -8.13 -9.18	91.08 -7.95 -9.73	123.74 -15.90 -2.53	137.47 -18.04 0.00	196.90 -31.01 0.10	180.40 -29.35 -0.11	176.88 -28.51 -0.21	144.38 -24.07 -2.49	121.73 -19.43 -3.33	133.45 -18.37 -2.49	143.90 -17.97 0.00
LOCKPORT___CC2 323770	85.64 -4.93 -8.32	87.51 -5.25 -8.06	86.64 -5.23 -8.88	86.57 -5.69 -7.26	85.83 -5.61 -6.43	86.85 -4.86 -6.36	87.27 -5.88 -7.88	82.96 -7.34 -4.95	86.55 -7.09 -5.03	89.25 -7.62 -7.23	91.44 -8.16 -10.90	89.56 -8.08 -8.85	88.80 -8.06 -8.25	88.47 -8.13 -9.18	91.08 -7.95 -9.73	123.74 -15.90 -2.53	137.47 -18.04 0.00	196.90 -31.01 0.10	180.40 -29.35 -0.11	176.88 -28.51 -0.21	144.38 -24.07 -2.49	121.73 -19.43 -3.33	133.45 -18.37 -2.49	143.90 -17.97 0.00
LOCKPORT___CC3 323771	85.64 -4.93 -8.32	87.51 -5.25 -8.06	86.64 -5.23 -8.88	86.57 -5.69 -7.26	85.83 -5.61 -6.43	86.85 -4.86 -6.36	87.27 -5.88 -7.88	82.96 -7.34 -4.95	86.55 -7.09 -5.03	89.25 -7.62 -7.23	91.44 -8.16 -10.90	89.56 -8.08 -8.85	88.80 -8.06 -8.25	88.47 -8.13 -9.18	91.08 -7.95 -9.73	123.74 -15.90 -2.53	137.47 -18.04 0.00	196.90 -31.01 0.10	180.40 -29.35 -0.11	176.88 -28.51 -0.21	144.38 -24.07 -2.49	121.73 -19.43 -3.33	133.45 -18.37 -2.49	143.90 -17.97 0.00
LONG_LAKE_PHOENIX 24014	84.80 -1.56 -4.11	86.98 -1.69 -3.98	85.71 -1.66 -4.39	86.89 -1.70 -3.58	86.40 -1.79 -3.18	86.96 -1.54 -3.14	87.62 -1.53 -3.89	86.34 -1.45 -2.44	87.63 -1.24 -0.26	89.91 -1.08 -1.35	90.70 -1.15 -3.16	89.78 -1.15 -2.15	89.04 -1.42 -1.85	88.15 -1.57 -2.31	90.45 -1.43 -2.58	133.82 -3.29 0.00	152.24 -3.27 0.00	222.54 -5.47 0.00	205.03 -4.61 0.00	200.46 -4.72 0.00	161.98 -3.98 0.00	134.26 -3.58 -0.01	145.46 -3.88 0.00	157.66 -4.21 0.00
LOVETT___3 23632	139.24 5.02 -51.97	139.92 4.91 -50.31	143.00 4.56 -55.46	135.09 4.76 -45.32	129.85 4.68 -40.17	130.12 5.04 -39.74	139.68 5.20 -49.22	137.64 5.89 -46.40	134.58 6.82 -39.15	144.72 6.81 -48.27	163.19 6.74 -67.75	153.45 6.84 -57.83	150.26 6.82 -54.83	151.89 6.64 -57.83	156.09 6.88 -59.91	170.50 9.46 -23.94	186.02 10.42 -20.10	242.99 14.36 -0.62	224.39 12.79 -1.96	220.48 12.72 -2.58	191.34 10.12 -15.25	167.09 8.82 -20.44	173.70 9.11 -15.25	171.10 9.23 0.00
LOVETT___4 23642	139.24 5.02 -51.97	139.92 4.91 -50.31	143.00 4.56 -55.46	135.09 4.76 -45.32	129.85 4.68 -40.17	130.12 5.04 -39.74	139.68 5.20 -49.22	137.64 5.89 -46.40	134.58 6.82 -39.15	144.72 6.81 -48.27	163.19 6.74 -67.75	153.45 6.84 -57.83	150.26 6.82 -54.83	151.89 6.64 -57.83	156.09 6.88 -59.91	170.50 9.46 -23.94	186.02 10.42 -20.10	242.99 14.36 -0.62	224.39 12.79 -1.96	220.48 12.72 -2.58	191.34 10.12 -15.25	167.09 8.82 -20.44	173.70 9.11 -15.25	171.10 9.23 0.00
LOVETT___5 23593	139.24 5.02 -51.97	139.92 4.91 -50.31	143.00 4.56 -55.46	135.09 4.76 -45.32	129.85 4.68 -40.17	130.12 5.04 -39.74	139.68 5.20 -49.22	137.64 5.89 -46.40	134.58 6.82 -39.15	144.72 6.81 -48.27	163.19 6.74 -67.75	153.45 6.84 -57.83	150.26 6.82 -54.83	151.89 6.64 -57.83	156.09 6.88 -59.91	170.50 9.46 -23.94	186.02 10.42 -20.10	242.99 14.36 -0.62	224.39 12.79 -1.96	220.48 12.72 -2.58	191.34 10.12 -15.25	167.09 8.82 -20.44	173.70 9.11 -15.25	171.10 9.23 0.00
LOWER RAQUET___HYD 24057	80.03 -2.22 0.00	82.59 -2.11 0.00	80.91 -2.07 0.00	83.14 -1.87 0.00	82.72 -2.29 0.00	82.02 -3.33 0.00	81.35 -3.92 0.00	81.43 -3.92 0.00	83.47 -5.14 0.00	83.72 -5.92 0.00	84.17 -4.52 0.00	84.16 -4.62 0.00	84.09 -4.52 0.00	83.83 -3.59 0.00	84.30 -5.00 0.00	132.04 -5.07 0.00	149.60 -5.91 0.00	220.94 -7.07 0.00	203.36 -6.28 0.00	198.81 -6.36 0.00	160.99 -4.97 0.00	135.08 -2.76 0.00	146.95 -2.40 0.00	160.09 -1.78 0.00
LOWER___HUDSON 24059	153.93 4.93 -66.75	154.39 5.08 -64.61	159.10 4.89 -71.22	148.23 5.01 -58.21	141.60 5.01 -51.58	141.51 5.12 -51.04	153.59 5.12 -63.21	275.16 5.63 -184.18	294.08 6.11 -199.37	269.86 6.18 -174.05	266.39 6.21 -171.49	276.87 6.12 -181.96	278.69 6.11 -183.97	258.79 5.95 -165.42	252.76 6.16 -157.30	290.80 8.64 -145.05	352.56 9.80 -187.25	243.81 13.45 -2.35	229.23 12.15 -7.43	226.87 11.90 -9.80	233.45 9.62 -57.87	222.96 7.99 -77.14	215.72 8.51 -57.87	171.09 9.22 0.00
LOWVILLE_115KV_TB2 356335	84.05 -0.08 -1.88	86.86 0.34 -1.82	85.40 0.41 -2.01	87.25 0.60 -1.64	86.89 0.43 -1.46	87.39 0.60 -1.44	88.42 1.36 -1.78	87.92 1.45 -1.12	90.41 1.68 -0.12	92.05 1.79 -0.62	92.27 2.13 -1.45	91.81 2.04 -0.98	91.23 1.77 -0.85	89.53 1.05 -1.06	91.29 0.80 -1.18	138.20 1.10 0.00	157.06 1.56 0.00	231.20 3.19 0.00	211.74 2.10 0.00	207.43 2.26 0.00	167.46 1.49 0.00	138.94 1.10 -0.01	150.54 1.19 0.00	163.00 1.13 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	155.80 5.59 -67.96	156.33 5.84 -65.78	161.14 5.64 -72.52	149.97 5.70 -59.26	143.31 5.78 -52.52	143.20 5.89 -51.96	155.51 5.88 -64.36	298.37 5.63 -207.39	321.36 6.11 -226.64	290.69 6.10 -194.96	282.88 6.21 -187.98	297.42 6.30 -202.33	300.21 6.29 -205.31	276.39 6.12 -182.86	268.60 6.43 -172.87	312.41 9.46 -165.84	382.93 11.04 -216.38	246.47 15.73 -2.73	232.55 14.26 -8.65	230.54 13.95 -11.41	245.64 12.28 -67.39	237.57 9.92 -89.82	227.34 10.60 -67.39	173.20 11.33 0.00



LUTHERNY_35_KV_BK2 355980	155.89 5.68 -67.96	156.33 5.84 -65.78	161.22 5.73 -72.52	150.05 5.78 -59.26	143.39 5.87 -52.52	143.29 5.97 -51.96	155.59 5.97 -64.36	298.37 5.63 -207.39	321.36 6.11 -226.64	290.78 6.18 -194.96	282.97 6.30 -187.98	297.51 6.39 -202.33	300.30 6.38 -205.31	276.48 6.21 -182.86	268.69 6.52 -172.87	312.54 9.60 -165.84	383.08 11.20 -216.38	246.70 15.96 -2.73	232.76 14.47 -8.65	230.75 14.16 -11.41	245.80 12.45 -67.39	237.71 10.06 -89.82	227.49 10.75 -67.39	173.20 11.33 0.00
LWR___OSWEGATCHIE_HYD 23850	81.99 -1.64 -1.39	84.69 -1.36 -1.34	83.13 -1.33 -1.48	85.03 -1.19 -1.21	84.63 -1.45 -1.07	84.36 -2.05 -1.06	84.53 -2.05 -1.31	84.21 -1.96 -0.82	86.30 -2.39 -0.09	87.40 -2.69 -0.45	87.98 -1.77 -1.07	87.64 -1.86 -0.72	87.10 -2.13 -0.62	86.36 -1.84 -0.78	87.49 -2.68 -0.87	134.23 -2.88 0.00	152.40 -3.11 0.00	224.59 -3.42 0.00	206.29 -3.35 0.00	201.89 -3.28 0.00	163.14 -2.82 0.00	136.18 -1.65 0.00	147.85 -1.49 0.00	160.57 -1.29 0.00
LYONS_FALL_HYD 23570	84.86 0.82 -1.79	87.53 1.10 -1.73	86.05 1.16 -1.91	87.85 1.28 -1.56	87.58 1.19 -1.38	88.17 1.45 -1.37	88.83 1.87 -1.69	88.46 2.05 -1.06	91.02 2.30 -0.11	92.64 2.42 -0.59	92.82 2.75 -1.38	92.38 2.66 -0.93	91.89 2.48 -0.81	90.34 1.92 -1.01	92.21 1.79 -1.12	139.58 2.47 0.00	158.61 3.11 0.00	233.02 5.01 0.00	213.62 3.97 0.00	209.28 4.10 0.00	168.78 2.82 0.00	140.03 2.20 -0.01	151.73 2.38 0.00	164.45 2.58 0.00
MADISON___COUNTY_LFGE 323628	87.71 2.22 -3.24	90.29 2.46 -3.14	88.84 2.41 -3.46	90.30 2.47 -2.83	90.06 2.55 -2.50	90.73 2.90 -2.48	91.40 3.07 -3.07	90.43 3.16 -1.93	92.36 3.54 -0.21	94.46 3.76 -1.06	95.00 3.81 -2.49	94.30 3.82 -1.69	93.79 3.72 -1.46	92.65 3.41 -1.82	95.00 3.66 -2.03	142.04 4.94 0.00	161.42 5.91 0.00	236.22 8.21 0.00	216.35 6.71 0.00	211.74 6.57 0.00	171.11 5.14 0.00	141.70 3.86 -0.01	153.67 4.33 0.00	166.56 4.69 0.00
MALONE___115KV_TB1 356076	81.10 -1.15 0.00	83.60 -1.10 0.00	81.90 -1.08 0.00	84.33 -0.68 0.00	84.24 -0.77 0.00	83.81 -1.54 0.00	83.82 -1.45 0.00	83.90 -1.45 0.00	86.57 -2.04 0.00	87.66 -1.97 0.00	87.27 -1.42 0.00	87.36 -1.42 0.00	87.28 -1.33 0.00	86.54 -0.87 0.00	87.69 -1.61 0.00	136.56 -0.55 0.00	154.73 -0.78 0.00	228.24 0.23 0.00	210.06 0.42 0.00	205.18 0.00 0.00	166.29 0.33 0.00	138.38 0.55 0.00	149.79 0.45 0.00	162.84 0.97 0.00
MAPLEWOD_115KV_TB3 80458	153.05 4.44 -66.36	153.51 4.57 -64.24	158.27 4.48 -70.81	147.38 4.51 -57.87	140.88 4.59 -51.28	140.78 4.69 -50.74	152.71 4.60 -62.84	250.74 5.38 -160.01	264.83 5.76 -170.46	247.70 5.92 -152.15	249.18 5.76 -154.72	255.38 5.77 -160.83	256.10 5.76 -161.74	240.46 5.59 -147.45	236.39 5.72 -141.37	267.87 7.82 -122.95	320.28 8.55 -156.22	241.39 11.40 -1.98	226.20 10.27 -6.28	223.72 10.26 -8.29	222.85 7.97 -48.93	209.84 6.75 -65.26	205.89 7.62 -48.93	170.29 8.42 0.00
MAPLE_RIDGE_WT_1 323574	81.35 -0.90 0.00	83.94 -0.76 0.00	82.40 -0.58 0.00	84.50 -0.51 0.00	84.58 -0.42 0.00	84.84 -0.51 0.00	84.76 -0.51 0.00	84.84 -0.51 0.00	87.99 -0.62 0.00	88.91 -0.72 0.00	88.16 -0.53 0.00	88.26 -0.53 0.00	88.08 -0.53 0.00	86.90 -0.52 0.00	88.58 -0.72 0.00	136.42 -0.68 0.00	154.43 -1.08 0.00	226.42 -1.58 0.00	208.19 -1.46 0.00	203.53 -1.65 0.00	164.63 -1.33 0.00	136.87 -0.96 0.00	148.31 -1.04 0.00	160.74 -1.13 0.00
MAPLE_RIDGE_WT_2 323611	81.35 -0.90 0.00	83.94 -0.76 0.00	82.40 -0.58 0.00	84.50 -0.51 0.00	84.58 -0.42 0.00	84.84 -0.51 0.00	84.76 -0.51 0.00	84.84 -0.51 0.00	87.99 -0.62 0.00	88.91 -0.72 0.00	88.16 -0.53 0.00	88.26 -0.53 0.00	88.08 -0.53 0.00	86.90 -0.52 0.00	88.58 -0.72 0.00	136.42 -0.68 0.00	154.43 -1.08 0.00	226.42 -1.58 0.00	208.19 -1.46 0.00	203.53 -1.65 0.00	164.63 -1.33 0.00	136.87 -0.96 0.00	148.31 -1.04 0.00	160.74 -1.13 0.00
MARBLE_RIVER_WT_PWR 323696	79.95 -2.30 0.00	82.42 -2.28 0.00	80.74 -2.24 0.00	83.14 -1.87 0.00	83.22 -1.79 0.00	83.13 -2.22 0.00	82.97 -2.30 0.00	83.13 -2.22 0.00	85.77 -2.84 0.00	86.86 -2.78 0.00	86.39 -2.31 0.00	86.57 -2.22 0.00	86.48 -2.13 0.00	85.58 -1.84 0.00	87.07 -2.23 0.00	135.60 -1.51 0.00	153.48 -2.03 0.00	226.18 -1.83 0.00	208.19 -1.46 0.00	203.32 -1.85 0.00	164.81 -1.15 0.00	136.87 -0.96 0.00	148.00 -1.35 0.00	161.22 -0.64 0.00
MARSHVLE_115KV_TB1 80742	163.46 4.93 -76.27	163.78 5.25 -73.83	169.51 5.14 -81.39	156.70 5.19 -66.51	149.22 5.27 -58.94	149.13 5.46 -58.32	163.03 5.54 -72.23	288.97 5.55 -198.07	302.64 5.94 -208.09	277.86 5.38 -182.84	276.79 5.41 -182.69	286.54 5.42 -192.34	287.97 5.32 -194.05	267.92 5.42 -175.08	261.89 5.72 -166.87	298.88 10.15 -151.62	366.16 12.75 -197.90	249.71 19.15 -2.55	235.11 17.40 -8.06	232.64 16.82 -10.64	242.06 13.28 -62.82	231.92 10.34 -83.76	223.21 11.05 -62.82	173.20 11.33 0.00
MARSH_HILL_WT_PWR 323713	92.70 -0.98 -11.43	94.66 -1.10 -11.06	94.26 -0.91 -12.20	93.96 -1.02 -9.97	93.16 -0.68 -8.83	94.26 0.17 -8.74	96.09 0.00 -10.82	95.76 -0.42 -10.84	97.89 -0.09 -9.38	100.29 -0.53 -11.19	103.23 -0.80 -15.34	101.17 -0.89 -13.27	100.36 -0.89 -12.64	99.20 -1.40 -13.19	101.73 -1.16 -13.59	139.26 -3.70 -5.85	157.33 -3.42 -5.24	219.49 -8.66 -0.15	200.88 -9.22 -0.45	196.34 -9.43 -0.60	161.04 -8.46 -3.53	134.85 -7.72 -4.73	145.56 -7.31 -3.53	154.75 -7.12 0.00
MCINTYRE_115KV_TB2 80467	81.34 -0.90 0.00	84.02 -0.68 0.00	82.23 -0.75 0.00	84.50 -0.51 0.00	84.33 -0.68 0.00	83.81 -1.54 0.00	83.56 -1.71 0.00	83.56 -1.79 0.00	85.68 -2.92 0.00	85.87 -3.76 0.00	85.85 -2.84 0.00	85.77 -3.02 0.00	85.59 -3.01 0.00	85.67 -1.75 0.00	86.27 -3.04 0.00	135.87 -1.23 0.00	154.26 -1.24 0.00	228.01 0.00 0.00	209.64 0.00 0.00	204.97 -0.21 0.00	165.80 -0.17 0.00	138.38 0.55 0.00	150.24 0.90 0.00	163.33 1.46 0.00
MECO_____69_KV_BK1 80468	162.65 6.99 -73.41	163.04 7.28 -71.06	168.45 7.14 -78.34	156.17 7.14 -64.02	148.97 7.23 -56.73	148.91 7.43 -56.13	162.29 7.50 -69.52	300.36 7.43 -207.58	318.77 7.97 -222.18	290.01 7.53 -192.85	285.27 7.63 -188.95	298.08 7.90 -201.39	300.15 7.71 -203.83	277.65 7.69 -182.54	270.60 8.13 -173.17	312.94 13.44 -162.39	384.74 16.79 -212.43	255.58 24.85 -2.72	240.89 22.64 -8.60	238.48 21.95 -11.35	250.59 17.59 -67.04	240.97 13.78 -89.35	231.16 14.78 -67.04	177.25 15.38 0.00
MENANDS___115KV_TB5 355628	152.67 4.19 -66.22	153.12 4.32 -64.10	157.87 4.23 -70.66	147.09 4.34 -57.75	140.52 4.34 -51.18	140.42 4.44 -50.63	152.32 4.35 -62.71	245.92 5.12 -155.45	259.15 5.49 -165.05	243.41 5.74 -148.04	245.73 5.50 -151.54	251.04 5.42 -156.84	251.57 5.41 -157.55	236.80 5.33 -144.05	233.02 5.36 -138.36	263.06 7.13 -118.82	313.55 7.62 -150.42	239.96 10.03 -1.92	224.73 9.01 -6.07	222.22 9.03 -8.01	220.24 6.97 -47.31	207.00 6.06 -63.11	203.67 7.02 -47.31	169.64 7.77 0.00
MG INDUSTRY___DRP 24185	150.85 3.78 -64.82	151.42 3.98 -62.74	156.05 3.90 -69.17	145.53 4.00 -56.52	139.10 4.00 -50.09	138.92 4.01 -49.56	150.57 3.92 -61.38	194.37 3.93 -105.10	198.03 4.16 -105.26	196.44 4.21 -102.60	209.12 3.99 -116.44	205.64 4.00 -112.86	203.94 3.99 -111.34	198.03 4.02 -106.59	198.50 4.11 -105.09	215.73 5.48 -73.14	247.83 6.06 -86.26	238.46 9.12 -1.33	222.03 8.18 -4.21	218.93 8.21 -5.55	205.04 6.31 -32.77	187.12 5.51 -43.78	188.39 6.27 -32.77	168.99 7.12 0.00



MID___OSWEGATCHIE_HYD 23849	81.99 -1.64 -1.39	84.69 -1.36 -1.34	83.13 -1.33 -1.48	85.03 -1.19 -1.21	84.63 -1.45 -1.07	84.36 -2.05 -1.06	84.53 -2.05 -1.31	84.21 -1.96 -0.82	86.30 -2.39 -0.09	87.40 -2.69 -0.45	87.98 -1.77 -1.07	87.64 -1.86 -0.72	87.10 -2.13 -0.62	86.36 -1.84 -0.78	87.49 -2.68 -0.87	134.23 -2.88 0.00	152.40 -3.11 0.00	224.59 -3.42 0.00	206.29 -3.35 0.00	201.89 -3.28 0.00	163.14 -2.82 0.00	136.18 -1.65 0.00	147.85 -1.49 0.00	160.57 -1.29 0.00
MID___RAQUETTE_HYD 23851	80.03 -2.22 0.00	82.58 -2.12 0.00	80.90 -2.07 0.00	83.14 -1.87 0.00	82.71 -2.30 0.00	82.02 -3.33 0.00	81.34 -3.92 0.00	81.42 -3.93 0.00	83.47 -5.14 0.00	83.72 -5.92 0.00	83.99 -4.70 0.00	83.90 -4.88 0.00	83.82 -4.78 0.00	83.83 -3.58 0.00	84.30 -5.00 0.00	132.03 -5.07 0.00	149.60 -5.91 0.00	220.94 -7.07 0.00	203.35 -6.29 0.00	198.81 -6.36 0.00	160.98 -4.98 0.00	135.07 -2.76 0.00	146.95 -2.39 0.00	160.09 -1.78 0.00
MILLIKEN___1 23584	95.75 2.22 -11.28	97.82 2.20 -10.91	97.17 2.16 -12.03	97.05 2.21 -9.83	95.93 2.21 -8.71	96.53 2.56 -8.62	98.67 2.73 -10.68	99.13 2.73 -11.05	101.52 3.19 -9.72	104.27 3.23 -11.41	107.31 3.19 -15.42	105.43 3.20 -13.45	104.55 3.10 -12.85	103.53 2.80 -13.32	106.20 3.21 -13.69	147.07 3.84 -6.12	166.42 5.29 -5.63	234.09 5.93 -0.15	214.11 3.98 -0.49	209.72 3.90 -0.64	172.75 2.99 -3.80	144.85 1.93 -5.09	155.39 2.24 -3.80	164.46 2.59 0.00
MILLIKEN___2 23585	95.75 2.22 -11.28	97.82 2.20 -10.91	97.17 2.16 -12.03	97.05 2.21 -9.83	95.93 2.21 -8.71	96.53 2.56 -8.62	98.67 2.73 -10.68	99.13 2.73 -11.05	101.52 3.19 -9.72	104.27 3.23 -11.41	107.31 3.19 -15.42	105.43 3.20 -13.45	104.55 3.10 -12.85	103.53 2.80 -13.32	106.20 3.21 -13.69	147.07 3.84 -6.12	166.42 5.29 -5.63	234.09 5.93 -0.15	214.11 3.98 -0.49	209.72 3.90 -0.64	172.75 2.99 -3.80	144.85 1.93 -5.09	155.39 2.24 -3.80	164.46 2.59 0.00
MILLIKEN___DIESEL 23629	95.75 2.22 -11.28	97.82 2.20 -10.91	97.17 2.16 -12.03	97.05 2.21 -9.83	95.93 2.21 -8.71	96.53 2.56 -8.62	98.67 2.73 -10.68	99.13 2.73 -11.05	101.52 3.19 -9.72	104.27 3.23 -11.41	107.31 3.19 -15.42	105.43 3.20 -13.45	104.55 3.10 -12.85	103.53 2.80 -13.32	106.20 3.21 -13.69	147.07 3.84 -6.12	166.42 5.29 -5.63	234.09 5.93 -0.15	214.11 3.98 -0.49	209.72 3.90 -0.64	172.75 2.99 -3.80	144.85 1.93 -5.09	155.39 2.24 -3.80	164.46 2.59 0.00
MILLSEAT___LFGE 323607	87.46 -2.80 -8.01	89.23 -3.22 -7.75	88.37 -3.15 -8.54	88.42 -3.57 -6.98	87.71 -3.49 -6.19	88.57 -2.90 -6.12	89.27 -3.58 -7.58	85.25 -4.86 -4.76	89.00 -4.43 -4.82	91.73 -4.84 -6.94	93.84 -5.32 -10.47	91.95 -5.32 -8.49	91.21 -5.31 -7.92	90.81 -5.42 -8.81	93.46 -5.18 -9.34	127.88 -11.65 -2.42	142.76 -12.75 0.00	205.57 -22.58 -0.14	188.40 -21.59 -0.35	184.49 -21.13 -0.44	150.26 -18.09 -2.38	126.27 -14.75 -3.19	137.99 -13.74 -2.38	148.60 -13.27 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	141.38 5.43 -53.71	142.02 5.34 -51.98	145.26 4.98 -57.31	136.94 5.10 -46.83	131.61 5.10 -41.50	131.87 5.46 -41.06	141.75 5.63 -50.86	139.83 6.40 -48.08	136.57 7.35 -40.61	146.97 7.35 -49.99	166.06 7.27 -70.09	156.01 7.37 -59.86	152.73 7.35 -56.77	154.43 7.17 -59.84	158.69 7.41 -61.98	172.10 10.15 -24.85	187.64 11.20 -20.94	244.15 15.50 -0.64	225.51 13.84 -2.03	221.59 13.75 -2.67	192.86 11.12 -15.78	168.62 9.65 -21.14	174.98 9.86 -15.78	171.91 10.04 0.00
MILLWOOD_13_KV_LOAD 356217	141.55 5.59 -53.71	142.10 5.42 -51.98	145.43 5.14 -57.31	137.11 5.27 -46.83	131.70 5.19 -41.50	132.05 5.63 -41.06	141.92 5.80 -50.86	140.00 6.57 -48.08	136.74 7.53 -40.61	147.15 7.53 -49.99	166.32 7.54 -70.09	156.28 7.64 -59.86	153.00 7.62 -56.77	154.69 7.43 -59.84	158.96 7.68 -61.98	172.51 10.56 -24.85	188.26 11.82 -20.94	244.84 16.19 -0.64	226.34 14.68 -2.03	222.21 14.36 -2.67	193.36 11.62 -15.78	169.04 10.06 -21.14	175.43 10.30 -15.78	172.23 10.36 0.00
MODEL_CITY_ENERGY 24167	85.49 -5.18 -8.42	87.26 -5.59 -8.15	86.49 -5.48 -8.99	86.40 -5.95 -7.35	85.65 -5.86 -6.51	86.58 -5.21 -6.44	87.02 -6.22 -7.98	82.59 -7.77 -5.01	86.09 -7.62 -5.10	88.89 -8.07 -7.32	91.13 -8.60 -11.04	89.14 -8.61 -8.96	88.46 -8.51 -8.36	88.06 -8.66 -9.30	90.67 -8.49 -9.85	122.94 -16.73 -2.56	136.68 -18.82 0.00	196.00 -32.14 -0.13	179.38 -30.61 -0.35	175.88 -29.75 -0.45	143.58 -24.90 -2.52	121.08 -20.13 -3.38	132.60 -19.26 -2.52	143.26 -18.61 0.00
MODERN_LFGE___ 323580	85.49 -5.18 -8.42	87.26 -5.59 -8.15	86.49 -5.48 -8.99	86.40 -5.95 -7.35	85.65 -5.86 -6.51	86.58 -5.21 -6.44	87.02 -6.22 -7.98	82.59 -7.77 -5.01	86.09 -7.62 -5.10	88.89 -8.07 -7.32	91.13 -8.60 -11.04	89.14 -8.61 -8.96	88.46 -8.51 -8.36	88.06 -8.66 -9.30	90.67 -8.49 -9.85	122.94 -16.73 -2.56	136.68 -18.82 0.00	196.00 -32.14 -0.13	179.38 -30.61 -0.35	175.88 -29.75 -0.45	143.58 -24.90 -2.52	121.08 -20.13 -3.38	132.60 -19.26 -2.52	143.26 -18.61 0.00
MOHAWK_PAPER___DRP 24187	153.05 4.44 -66.36	153.51 4.57 -64.24	158.27 4.48 -70.81	147.38 4.51 -57.87	140.88 4.59 -51.28	140.78 4.69 -50.74	152.71 4.60 -62.84	250.74 5.38 -160.01	264.83 5.76 -170.46	247.70 5.92 -152.15	249.18 5.76 -154.72	255.38 5.77 -160.83	256.10 5.76 -161.74	240.46 5.59 -147.45	236.39 5.72 -141.37	267.87 7.82 -122.95	320.28 8.55 -156.22	241.39 11.40 -1.98	226.20 10.27 -6.28	223.72 10.26 -8.29	222.85 7.97 -48.93	209.84 6.75 -65.26	205.89 7.62 -48.93	170.29 8.42 0.00
MOHICAN___35_KV_115KV_LD 80490	156.78 6.50 -68.03	157.24 6.69 -65.85	162.12 6.56 -72.59	150.96 6.63 -59.32	144.30 6.72 -52.57	144.19 6.83 -52.01	156.59 6.91 -64.42	299.42 5.55 -208.52	322.60 6.03 -227.97	291.71 6.10 -195.98	283.78 6.30 -188.79	298.68 6.57 -203.33	301.42 6.47 -206.35	277.42 6.29 -183.71	269.54 6.61 -173.63	313.83 9.87 -166.85	385.12 11.82 -217.79	247.86 17.10 -2.75	234.08 15.72 -8.71	231.85 15.18 -11.49	249.09 15.27 -67.86	240.40 12.13 -90.44	230.05 12.84 -67.86	175.47 13.60 0.00
MONGAUP___HYD 23641	136.26 4.77 -49.24	137.10 4.74 -47.66	139.91 4.39 -52.54	132.36 4.42 -42.94	127.39 4.33 -38.05	127.77 4.78 -37.65	136.66 4.77 -46.63	134.57 5.38 -43.84	131.68 6.11 -36.97	141.28 6.01 -45.64	158.58 5.76 -64.12	149.34 5.86 -54.70	146.40 5.94 -51.85	147.90 5.77 -54.72	152.24 6.25 -56.69	168.59 8.91 -22.58	184.82 10.42 -18.89	241.58 12.99 -0.59	223.02 11.52 -1.85	218.89 11.28 -2.44	190.66 10.29 -14.41	165.83 8.69 -19.31	172.56 8.81 -14.41	170.93 9.06 0.00
MONTAUK___DIESEL 23721	148.19 10.20 -55.74	148.59 9.91 -53.98	149.93 9.29 -57.66	142.41 10.29 -47.12	137.56 10.80 -41.76	140.45 11.69 -43.41	149.89 11.77 -52.85	149.96 12.72 -51.90	150.49 13.82 -48.06	155.42 13.71 -52.07	178.26 12.24 -77.33	171.35 12.87 -69.69	166.69 12.76 -65.32	168.42 12.76 -68.24	173.79 13.31 -71.18	188.10 18.92 -32.08	204.22 20.84 -27.87	258.93 23.48 -7.44	219.77 20.13 10.00	218.12 19.49 6.55	199.37 15.10 -18.31	174.27 12.54 -23.89	161.90 13.29 0.74	161.01 14.08 14.95
MOONROAD_115KV_HARTFLD_TB1-2 355988	90.65 -1.23 -9.63	92.58 -1.44 -9.33	91.77 -1.49 -10.28	91.54 -1.87 -8.40	90.84 -1.62 -7.44	91.86 -0.85 -7.37	92.94 -1.45 -9.12	88.34 -2.73 -5.73	92.29 -2.22 -5.90	95.57 -2.51 -8.45	98.37 -3.02 -12.69	96.17 -2.93 -10.32	95.40 -2.84 -9.63	94.97 -3.15 -10.70	97.78 -2.86 -11.34	134.18 -5.90 -2.97	150.22 -5.29 0.00	215.36 -12.77 -0.12	197.04 -13.00 -0.39	193.58 -12.11 -0.51	160.70 -8.30 -3.04	131.70 -10.20 -4.07	144.92 -7.47 -3.04	155.39 -6.47 0.00



MORRIS_RIDGE___SOLAR 323848	91.08 -2.22 -11.05	93.02 -2.37 -10.69	92.53 -2.24 -11.79	92.17 -2.47 -9.63	91.25 -2.29 -8.54	92.17 -1.62 -8.45	93.68 -2.05 -10.46	92.97 -2.81 -10.43	94.95 -2.66 -9.00	97.08 -3.31 -10.76	99.75 -3.72 -14.78	98.01 -3.55 -12.77	97.22 -3.55 -12.16	96.27 -3.84 -12.70	98.91 -3.48 -13.09	135.86 -6.85 -5.61	153.37 -7.15 -5.01	213.55 -14.60 -0.14	195.40 -14.68 -0.44	191.38 -14.37 -0.57	157.25 -12.11 -3.39	132.32 -10.06 -4.55	144.07 -8.67 -3.39	153.45 -8.42 0.00
MORTIMER_115KV_TB3 55949	87.74 -1.32 -6.80	89.68 -1.61 -6.59	88.66 -1.58 -7.26	89.07 -1.87 -5.93	88.40 -1.87 -5.26	89.19 -1.37 -5.20	90.00 -1.71 -6.44	87.00 -2.39 -4.04	90.69 -1.95 -4.03	93.22 -2.24 -5.83	95.12 -2.39 -8.83	93.45 -2.49 -7.15	92.87 -2.39 -6.66	92.21 -2.62 -7.42	94.76 -2.41 -7.87	132.13 -6.99 -2.02	148.51 -7.00 0.00	215.56 -12.54 -0.09	197.97 -11.95 -0.27	193.43 -12.11 -0.36	158.08 -9.96 -2.08	131.80 -8.82 -2.79	142.46 -8.96 -2.08	153.29 -8.58 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	142.12 5.84 -54.03	142.68 5.67 -52.30	145.86 5.23 -57.66	137.57 5.44 -47.12	132.21 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.34 7.89 -40.85	147.90 7.98 -50.29	167.10 7.89 -70.52	157.09 8.08 -60.22	153.78 8.06 -57.11	155.49 7.87 -60.21	159.78 8.13 -62.36	173.35 11.24 -25.00	188.86 12.28 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.57 10.48 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
MUNSVILLE_WIND_PWR 323609	105.52 6.17 -17.10	107.86 6.61 -16.55	107.78 6.55 -18.25	106.63 6.71 -14.91	104.94 6.71 -13.22	106.36 7.94 -13.08	109.65 8.19 -16.19	114.39 8.53 -20.51	118.18 9.57 -20.00	120.85 9.77 -21.44	125.32 9.93 -26.69	123.22 10.03 -24.40	122.10 9.83 -23.66	120.30 9.18 -23.71	122.97 9.74 -23.94	164.39 14.13 -13.16	186.17 17.26 -13.41	253.17 24.86 -0.30	231.54 20.96 -0.93	226.72 20.32 -1.23	188.64 15.44 -7.24	159.64 12.13 -9.68	170.32 13.73 -7.24	176.93 15.06 0.00
N SALMON___HYD 24042	81.10 -1.15 0.00	83.60 -1.10 0.00	81.90 -1.08 0.00	84.32 -0.68 0.00	84.24 -0.77 0.00	83.82 -1.53 0.00	83.82 -1.45 0.00	83.90 -1.45 0.00	86.57 -2.03 0.00	87.66 -1.97 0.00	87.36 -1.33 0.00	87.46 -1.33 0.00	87.37 -1.24 0.00	86.54 -0.87 0.00	87.70 -1.60 0.00	136.56 -0.55 0.00	154.73 -0.77 0.00	228.47 0.46 0.00	210.06 0.42 0.00	205.38 0.21 0.00	166.46 0.50 0.00	138.38 0.55 0.00	149.79 0.45 0.00	162.85 0.98 0.00
N.AKRON__115KV_KNAPP 355671	87.35 -2.96 -8.06	89.12 -3.39 -7.80	88.26 -3.32 -8.60	88.30 -3.74 -7.03	87.58 -3.66 -6.23	88.53 -2.99 -6.16	89.15 -3.75 -7.63	85.11 -5.04 -4.79	88.77 -4.70 -4.86	91.52 -5.11 -6.99	93.74 -5.50 -10.55	91.75 -5.59 -8.56	91.00 -5.58 -7.98	90.61 -5.68 -8.88	93.26 -5.45 -9.41	127.62 -11.97 -2.44	143.53 -11.97 0.00	206.26 -21.89 -0.14	189.25 -20.75 -0.36	185.12 -20.52 -0.47	152.20 -16.26 -2.50	126.03 -15.16 -3.36	137.66 -14.19 -2.50	148.43 -13.44 0.00
N.BELMOR_69_KV_BK1 55787	153.83 7.98 -63.60	154.31 7.88 -61.73	147.88 7.22 -57.68	139.54 7.40 -47.14	134.35 7.57 -41.78	146.55 8.11 -53.09	154.17 8.27 -60.64	153.69 9.05 -59.29	154.84 10.10 -56.13	160.06 10.13 -60.30	204.81 9.67 -106.45	208.71 9.77 -110.16	198.80 9.75 -100.44	199.54 9.53 -102.60	208.05 9.82 -108.92	213.06 13.57 -62.38	228.04 15.55 -56.99	286.00 21.43 -36.56	255.93 19.29 -27.00	248.40 19.08 -24.14	230.32 15.10 -49.25	216.01 13.09 -65.09	175.18 14.04 -11.80	171.43 13.44 3.87
N.E_GEN_SANDY PD 24062	167.49 5.34 -79.90	166.50 5.43 -76.37	152.88 5.23 -64.67	150.00 5.36 -59.63	150.92 5.36 -60.55	156.10 5.54 -65.21	160.00 5.54 -69.19	194.62 6.74 -102.53	199.62 7.44 -103.57	196.88 7.44 -99.81	207.82 7.36 -111.77	205.30 7.28 -109.23	203.80 7.17 -108.02	197.22 7.00 -102.80	197.34 7.32 -100.71	219.89 10.15 -72.64	252.89 11.20 -86.18	246.32 14.61 -3.71	226.17 13.22 -3.31	222.48 12.93 -4.37	202.40 10.63 -25.81	180.88 8.55 -34.50	184.11 8.96 -25.81	171.42 9.55 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	139.23 5.10 -51.89	139.92 5.00 -50.22	143.07 4.73 -55.36	135.10 4.85 -45.24	129.95 4.85 -40.10	130.14 5.12 -39.67	139.69 5.29 -49.13	137.72 6.06 -46.31	134.60 6.91 -39.08	144.81 6.99 -48.18	163.24 6.92 -67.64	153.52 7.01 -57.72	150.34 7.00 -54.73	151.96 6.82 -57.73	156.16 7.05 -59.80	170.73 9.73 -23.89	186.29 10.73 -20.06	243.45 14.82 -0.62	224.81 13.21 -1.95	220.88 13.13 -2.58	191.64 10.46 -15.22	167.33 9.10 -20.40	173.98 9.41 -15.22	171.26 9.39 0.00
N.QUEENS_27_KV_LOAD 356247	141.87 5.59 -54.03	142.00 5.00 -52.30	145.20 4.56 -57.65	136.88 4.76 -47.12	131.78 5.02 -41.76	131.87 5.21 -41.31	141.80 5.37 -51.17	140.20 6.49 -48.37	136.99 7.53 -40.85	147.45 7.53 -50.29	167.01 7.80 -70.52	157.00 7.99 -60.22	154.14 8.42 -57.11	155.93 8.30 -60.21	159.87 8.22 -62.35	172.94 10.83 -25.00	187.92 11.35 -21.06	243.70 15.05 -0.64	225.31 13.63 -2.04	221.20 13.34 -2.69	192.78 10.95 -15.87	169.30 10.20 -21.27	175.67 10.45 -15.87	173.20 11.33 0.00
N.TROY___115KV_TB1 355778	153.93 4.93 -66.75	154.39 5.08 -64.61	159.10 4.90 -71.22	148.23 5.02 -58.21	141.61 5.02 -51.58	141.51 5.12 -51.04	153.59 5.12 -63.21	275.17 5.63 -184.18	294.09 6.11 -199.37	269.87 6.18 -174.05	266.31 6.12 -171.49	276.87 6.13 -181.96	278.69 6.11 -183.97	258.78 5.94 -165.42	252.76 6.16 -157.30	290.79 8.64 -145.05	352.55 9.80 -187.25	243.58 13.22 -2.35	229.02 11.95 -7.43	226.88 11.90 -9.80	233.64 9.79 -57.89	223.00 7.99 -77.17	215.74 8.51 -57.89	171.10 9.23 0.00
NARROWS_GT1_1 24228	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT1_2 24229	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT1_3 24230	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT1_4 24231	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00



NARROWS_GT1_5 24232	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT1_6 24233	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT1_7 24234	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT1_8 24235	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_1 24236	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_2 24237	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_3 24238	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_4 24239	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_5 24240	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_6 24241	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_7 24242	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NARROWS_GT2_8 24243	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	149.78 4.69 -62.84	150.43 4.91 -60.82	154.84 4.81 -67.05	144.56 4.76 -54.79	138.33 4.76 -48.56	138.34 4.95 -48.04	149.71 4.95 -59.50	192.78 5.04 -102.39	196.67 5.41 -102.66	195.03 5.47 -99.93	207.16 5.23 -113.23	203.79 5.15 -109.86	202.25 5.23 -108.41	196.38 5.25 -103.71	197.05 5.54 -102.21	216.16 7.68 -71.37	248.65 8.86 -84.28	242.29 13.00 -1.29	225.25 11.53 -4.08	221.84 11.28 -5.38	206.18 8.46 -31.76	187.56 7.31 -42.42	189.47 8.36 -31.76	172.88 11.01 0.00
NCHELSEA_115KV_TR2 355582	142.12 5.84 -54.03	142.75 5.76 -52.30	146.11 5.48 -57.65	137.73 5.61 -47.11	132.29 5.53 -41.75	132.55 5.89 -41.31	142.40 5.97 -51.16	141.07 6.66 -49.06	137.99 7.71 -41.68	148.26 7.71 -50.91	167.39 7.72 -70.98	157.41 7.81 -60.82	154.15 7.80 -57.74	155.73 7.61 -60.71	160.05 7.95 -62.80	173.71 10.97 -25.64	189.76 12.28 -21.96	245.76 17.10 -0.65	227.01 15.30 -2.06	223.07 15.18 -2.72	194.12 12.12 -16.04	169.80 10.48 -21.49	176.14 10.75 -16.04	172.88 11.01 0.00
NEG CAPITAL___MECHNVIL 23645	155.68 5.84 -67.59	156.14 6.01 -65.42	160.99 5.89 -72.12	149.89 5.95 -58.94	143.19 5.95 -52.23	143.09 6.06 -51.68	155.41 6.14 -64.00	292.55 6.06 -201.14	314.50 6.56 -219.33	285.61 6.63 -189.34	278.95 6.74 -183.53	292.47 6.84 -196.85	295.00 6.82 -199.57	272.22 6.64 -178.16	264.94 6.97 -168.66	307.52 10.15 -160.27	375.90 11.81 -208.58	247.27 16.64 -2.63	233.06 15.10 -8.32	230.93 14.78 -10.97	242.54 11.78 -64.79	234.38 10.20 -86.35	225.03 10.90 -64.79	173.53 11.66 0.00



NEG CENTRAL_HIGH_ACRES 23767	86.53 -2.30 -6.58	88.53 -2.54 -6.37	87.43 -2.57 -7.03	88.03 -2.72 -5.74	87.29 -2.80 -5.09	87.99 -2.39 -5.03	88.94 -2.56 -6.23	86.27 -2.99 -3.91	86.37 -2.66 -0.42	89.02 -2.78 -2.16	90.83 -2.92 -5.06	89.30 -2.93 -3.44	88.65 -2.92 -2.97	88.06 -3.06 -3.70	90.57 -2.86 -4.13	129.84 -7.27 0.00	147.58 -7.93 0.00	214.42 -13.67 -0.08	196.65 -13.00 0.00	192.26 -12.92 0.00	154.84 -11.12 0.00	128.75 -9.10 -0.02	139.94 -9.40 0.00	152.16 -9.71 0.00
NEG CENTRAL___DRP 24199	90.43 0.90 -7.28	92.51 0.76 -7.05	91.49 0.75 -7.77	92.03 0.68 -6.35	91.31 0.68 -5.62	92.11 1.19 -5.57	93.35 1.19 -6.89	90.70 1.02 -4.33	94.49 1.51 -4.38	97.46 1.52 -6.30	99.62 1.42 -9.51	97.83 1.33 -7.71	97.04 1.24 -7.19	96.38 0.96 -8.00	99.12 1.34 -8.48	139.85 0.55 -2.20	157.06 1.56 0.00	226.28 -1.82 -0.09	206.80 -3.14 -0.30	202.08 -3.49 -0.40	166.14 -2.16 -2.34	138.62 -2.34 -3.13	149.44 -2.24 -2.34	159.77 -2.10 0.00
NEG CENTRAL___INDECK 23768	93.14 1.31 -9.58	95.07 1.10 -9.28	94.28 1.08 -10.23	94.30 0.94 -8.36	93.44 1.02 -7.41	94.29 1.62 -7.33	95.88 1.54 -9.07	92.07 1.03 -5.69	96.08 1.60 -5.88	99.13 1.08 -8.41	101.86 0.54 -12.64	99.51 0.45 -10.27	98.64 0.45 -9.59	98.07 0.00 -10.65	101.04 0.45 -11.29	138.43 -1.64 -2.96	155.04 -0.47 0.00	225.16 -2.97 -0.12	206.65 -3.36 -0.37	201.98 -3.69 -0.49	164.89 -3.98 -2.91	138.29 -3.44 -3.90	149.41 -2.84 -2.91	159.45 -2.42 0.00
NEG CENTRAL___SENECA 23627	91.04 0.74 -8.05	93.09 0.59 -7.79	92.15 0.58 -8.59	92.54 0.51 -7.02	91.74 0.51 -6.22	92.53 1.02 -6.16	94.00 1.11 -7.63	90.99 0.85 -4.79	94.73 1.24 -4.89	97.81 1.17 -7.01	100.23 0.98 -10.56	98.34 0.98 -8.58	97.41 0.80 -8.00	96.84 0.52 -8.90	99.71 0.98 -9.43	139.43 -0.14 -2.46	156.28 0.78 0.00	224.69 -3.42 -0.10	205.78 -4.19 -0.33	201.09 -4.51 -0.43	166.03 -2.49 -2.56	138.64 -2.62 -3.43	149.66 -2.24 -2.56	159.93 -1.94 0.00
NEG CENTRAL___STATE_STREET 24147	90.86 1.48 -7.13	92.96 1.36 -6.90	91.91 1.33 -7.61	92.50 1.28 -6.22	91.79 1.28 -5.51	92.51 1.71 -5.45	93.89 1.88 -6.75	91.46 1.88 -4.24	95.32 2.39 -4.32	98.34 2.51 -6.20	100.52 2.48 -9.34	98.86 2.49 -7.58	98.07 2.39 -7.07	97.38 2.10 -7.87	100.14 2.50 -8.34	141.61 2.33 -2.17	159.08 3.58 0.00	229.93 1.82 -0.09	209.94 0.00 -0.30	205.16 -0.41 -0.40	167.96 -0.33 -2.33	140.13 -0.83 -3.13	150.78 -0.90 -2.33	161.06 -0.81 0.00
NEG MILLWOOD___DRP 24198	142.97 6.17 -54.55	143.60 6.10 -52.80	147.00 5.81 -58.21	138.44 5.87 -47.57	132.95 5.78 -42.16	133.29 6.23 -41.71	143.41 6.48 -51.66	141.97 7.34 -49.28	138.89 8.51 -41.77	149.23 8.43 -51.17	168.79 8.60 -71.50	158.67 8.70 -61.18	155.27 8.59 -58.07	156.92 8.39 -61.11	161.29 8.75 -63.24	174.96 12.20 -25.65	191.19 13.84 -21.84	247.81 19.15 -0.65	229.11 17.03 -2.07	224.94 17.03 -2.73	195.53 13.44 -16.12	171.15 11.72 -21.61	177.26 11.80 -16.12	174.17 12.30 0.00
NEG NORTH_FLCN_SEA 23793	80.93 -1.32 0.00	83.43 -1.27 0.00	81.73 -1.24 0.00	84.24 -0.77 0.00	84.33 -0.68 0.00	84.15 -1.19 0.00	83.56 -1.71 0.00	83.64 -1.71 0.00	86.39 -2.22 0.00	87.57 -2.06 0.00	87.01 -1.69 0.00	87.19 -1.60 0.00	87.10 -1.51 0.00	86.28 -1.14 0.00	87.69 -1.61 0.00	136.42 -0.69 0.00	154.57 -0.93 0.00	227.78 -0.23 0.00	209.64 0.00 0.00	204.97 -0.21 0.00	165.96 0.00 0.00	137.83 0.00 0.00	149.04 -0.30 0.00	163.33 1.46 0.00
NEG NORTH_KES_CHATEGAY 23792	80.03 -2.22 0.00	82.50 -2.20 0.00	80.82 -2.16 0.00	83.22 -1.79 0.00	83.31 -1.70 0.00	83.13 -2.22 0.00	83.05 -2.22 0.00	83.22 -2.13 0.00	85.86 -2.75 0.00	86.95 -2.69 0.00	86.47 -2.22 0.00	86.57 -2.22 0.00	86.48 -2.13 0.00	85.67 -1.75 0.00	87.07 -2.23 0.00	135.74 -1.37 0.00	153.80 -1.71 0.00	226.64 -1.37 0.00	208.60 -1.05 0.00	203.74 -1.44 0.00	165.13 -0.83 0.00	137.14 -0.69 0.00	148.30 -1.05 0.00	161.38 -0.49 0.00
NEG NORTH___ALICE_FALLS 23915	81.18 -1.07 0.00	83.77 -0.93 0.00	81.98 -1.00 0.00	84.58 -0.43 0.00	84.58 -0.43 0.00	84.41 -0.94 0.00	84.07 -1.19 0.00	84.15 -1.19 0.00	86.92 -1.68 0.00	88.20 -1.43 0.00	87.72 -0.98 0.00	87.81 -0.98 0.00	87.72 -0.89 0.00	86.89 -0.52 0.00	88.32 -0.98 0.00	137.24 0.14 0.00	155.51 0.00 0.00	229.38 1.37 0.00	211.11 1.47 0.00	206.20 1.03 0.00	167.12 1.16 0.00	138.66 0.83 0.00	149.94 0.60 0.00	163.81 1.94 0.00
NEG NORTH___LWR_SARANAC 23913	81.18 -1.07 0.00	83.77 -0.93 0.00	81.98 -1.00 0.00	84.58 -0.43 0.00	84.58 -0.43 0.00	84.41 -0.94 0.00	84.07 -1.19 0.00	84.15 -1.19 0.00	86.92 -1.68 0.00	88.20 -1.43 0.00	87.72 -0.98 0.00	87.81 -0.98 0.00	87.72 -0.89 0.00	86.89 -0.52 0.00	88.32 -0.98 0.00	137.24 0.14 0.00	155.51 0.00 0.00	229.38 1.37 0.00	211.11 1.47 0.00	206.20 1.03 0.00	167.12 1.16 0.00	138.66 0.83 0.00	149.94 0.60 0.00	163.81 1.94 0.00
NEG NORTH___PLATTSBURG 23628	81.18 -1.07 0.00	83.77 -0.93 0.00	81.99 -0.99 0.00	84.58 -0.42 0.00	84.58 -0.42 0.00	84.41 -0.94 0.00	84.07 -1.19 0.00	84.15 -1.19 0.00	86.92 -1.69 0.00	88.20 -1.44 0.00	87.72 -0.97 0.00	87.90 -0.89 0.00	87.81 -0.80 0.00	86.90 -0.52 0.00	88.32 -0.98 0.00	137.24 0.14 0.00	155.51 0.00 0.00	229.38 1.38 0.00	211.12 1.48 0.00	206.21 1.03 0.00	167.13 1.17 0.00	138.66 0.83 0.00	149.94 0.60 0.00	163.82 1.95 0.00
NEG WEST_LEA_LOCKPORT 23791	85.64 -4.93 -8.32	87.51 -5.25 -8.06	86.63 -5.23 -8.88	86.57 -5.70 -7.26	85.92 -5.53 -6.43	86.85 -4.86 -6.36	87.27 -5.88 -7.88	82.96 -7.34 -4.95	86.55 -7.09 -5.03	89.25 -7.62 -7.23	91.52 -8.07 -10.90	89.56 -8.08 -8.85	88.80 -8.06 -8.25	88.47 -8.13 -9.18	91.08 -7.95 -9.73	123.73 -15.90 -2.53	138.71 -16.79 0.00	198.72 -29.19 0.10	182.10 -27.67 -0.13	178.53 -26.88 -0.23	147.31 -21.24 -2.59	121.87 -19.43 -3.47	133.57 -18.37 -2.59	144.23 -17.64 0.00
NEG WEST___LANCASTER 23811	86.69 -5.35 -9.79	88.58 -5.59 -9.47	87.94 -5.48 -10.44	87.59 -5.95 -8.53	86.79 -5.78 -7.56	87.71 -5.12 -7.48	88.74 -5.80 -9.27	84.25 -6.91 -5.82	87.96 -6.65 -6.00	91.14 -7.08 -8.59	94.14 -7.45 -12.90	91.90 -7.37 -10.49	91.13 -7.27 -9.79	90.86 -7.43 -10.88	93.59 -7.23 -11.52	132.04 -8.09 -3.02	147.42 -8.09 0.00	208.98 -19.15 -0.13	189.91 -20.13 -0.40	187.44 -18.26 -0.52	157.27 -11.78 -3.09	126.81 -15.16 -4.14	142.43 -10.01 -3.09	152.80 -9.06 0.00
NEG_PENN_ALLEGHNY 23528	100.71 0.65 -17.81	102.61 0.67 -17.24	102.73 0.75 -19.00	101.22 0.68 -15.53	99.45 0.68 -13.76	99.99 1.03 -13.62	102.98 0.85 -16.86	103.56 0.77 -17.45	105.31 1.15 -15.55	109.02 1.16 -18.22	114.31 1.07 -24.55	111.29 1.07 -21.44	110.16 1.07 -20.49	109.53 0.87 -21.24	112.27 1.16 -21.81	147.98 1.09 -9.78	166.11 1.71 -8.89	228.94 0.69 -0.25	209.98 -0.42 -0.75	205.76 -0.41 -1.00	171.34 -0.50 -5.88	145.01 -0.69 -7.87	155.37 0.15 -5.88	162.19 0.32 0.00
NEG___GEN_MONROE 24207	87.39 -1.73 -6.87	89.32 -2.03 -6.65	88.32 -1.99 -7.33	88.79 -2.21 -5.99	88.11 -2.21 -5.31	88.90 -1.71 -5.25	89.64 -2.13 -6.51	86.45 -2.99 -4.08	90.11 -2.57 -4.07	92.74 -2.78 -5.89	94.59 -3.02 -8.92	92.99 -3.02 -7.22	92.24 -3.10 -6.73	91.50 -3.41 -7.50	94.12 -3.13 -7.95	130.92 -8.23 -2.04	147.26 -8.24 0.00	213.74 -14.36 -0.09	196.29 -13.63 -0.28	192.00 -13.54 -0.36	156.95 -11.12 -2.10	130.73 -9.92 -2.82	141.59 -9.86 -2.10	152.64 -9.23 0.00



NEPA__ENERGY 23901	88.76 -2.71 -9.23	90.67 -2.96 -8.93	89.92 -2.90 -9.85	89.74 -3.32 -8.05	88.91 -3.23 -7.13	89.93 -2.48 -7.05	90.76 -3.24 -8.74	86.31 -4.52 -5.48	90.07 -4.16 -5.63	93.13 -4.57 -8.07	95.77 -5.06 -12.14	93.68 -4.97 -9.86	92.85 -4.96 -9.20	92.49 -5.16 -10.23	95.23 -4.91 -10.84	130.34 -9.60 -2.83	145.86 -9.64 0.00	209.20 -18.92 -0.12	191.36 -18.66 -0.37	188.02 -17.65 -0.49	155.75 -13.11 -2.90	128.07 -13.65 -3.88	140.74 -11.50 -2.90	151.35 -10.52 0.00
NEVERSink__HYD 23608	136.25 5.02 -48.98	137.10 5.00 -47.41	139.97 4.73 -52.26	132.48 4.76 -42.71	127.53 4.67 -37.85	127.92 5.12 -37.45	136.93 5.29 -46.38	137.53 5.81 -46.38	135.42 6.73 -40.08	144.16 6.63 -47.89	161.01 6.66 -65.66	152.25 6.66 -56.80	149.36 6.65 -54.10	150.34 6.47 -56.45	154.53 7.05 -58.18	171.84 9.74 -25.00	189.23 11.35 -22.38	244.81 16.19 -0.62	225.85 14.26 -1.94	221.88 14.15 -2.56	192.22 11.12 -15.13	167.48 9.38 -20.27	174.04 9.57 -15.13	171.74 9.88 0.00
NEWKRMKL_115KV_TB1 55635	152.43 3.95 -66.23	152.87 4.07 -64.11	157.63 3.98 -70.67	146.76 4.00 -57.75	140.27 4.08 -51.18	140.08 4.10 -50.64	152.07 4.09 -62.71	238.37 4.52 -148.50	250.21 4.87 -156.73	236.62 5.20 -141.79	240.31 4.79 -146.83	244.41 4.79 -150.83	244.61 4.78 -151.22	231.19 4.81 -138.97	227.82 4.64 -133.87	255.44 5.90 -112.44	303.30 6.38 -141.41	238.76 8.89 -1.86	223.70 8.18 -5.88	221.14 8.21 -7.76	217.91 6.14 -45.81	204.46 5.51 -61.12	201.88 6.72 -45.81	169.15 7.28 0.00
NEWTON__FALLS_HYD 23847	81.99 -1.64 -1.39	84.69 -1.36 -1.34	83.13 -1.33 -1.48	85.03 -1.19 -1.21	84.63 -1.45 -1.07	84.36 -2.05 -1.06	84.53 -2.05 -1.31	84.21 -1.96 -0.82	86.30 -2.39 -0.09	87.40 -2.69 -0.45	87.98 -1.77 -1.07	87.64 -1.86 -0.72	87.10 -2.13 -0.62	86.36 -1.84 -0.78	87.49 -2.68 -0.87	134.23 -2.88 0.00	152.40 -3.11 0.00	224.59 -3.42 0.00	206.29 -3.35 0.00	201.89 -3.28 0.00	163.14 -2.82 0.00	136.18 -1.65 0.00	147.85 -1.49 0.00	160.57 -1.29 0.00
NGRID_A1_DSASP 323792	86.13 -4.60 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.35 -7.40	86.29 -5.27 -6.55	87.22 -4.61 -6.49	87.25 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.30 -8.51 -11.12	89.38 -8.44 -9.03	88.61 -8.42 -8.42	88.22 -8.56 -9.36	90.83 -8.40 -9.92	122.82 -16.87 -2.58	136.37 -19.13 0.00	195.50 -32.61 -0.11	178.94 -31.03 -0.33	175.64 -29.96 -0.43	143.28 -25.22 -2.54	120.97 -20.26 -3.40	132.47 -19.41 -2.54	143.10 -18.77 0.00
NGRID_A2_DSASP 323793	86.13 -4.60 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.35 -7.40	86.29 -5.27 -6.55	87.22 -4.61 -6.49	87.25 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.30 -8.51 -11.12	89.38 -8.44 -9.03	88.61 -8.42 -8.42	88.22 -8.56 -9.36	90.83 -8.40 -9.92	122.82 -16.87 -2.58	136.37 -19.13 0.00	195.50 -32.61 -0.11	178.94 -31.03 -0.33	175.64 -29.96 -0.43	143.28 -25.22 -2.54	120.97 -20.26 -3.40	132.47 -19.41 -2.54	143.10 -18.77 0.00
NGRID_A4_DSASP 323807	86.13 -4.60 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.35 -7.40	86.29 -5.27 -6.55	87.22 -4.61 -6.49	87.25 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.30 -8.51 -11.12	89.38 -8.44 -9.03	88.61 -8.42 -8.42	88.22 -8.56 -9.36	90.83 -8.40 -9.92	122.82 -16.87 -2.58	136.37 -19.13 0.00	195.50 -32.61 -0.11	178.94 -31.03 -0.33	175.64 -29.96 -0.43	143.28 -25.22 -2.54	120.97 -20.26 -3.40	132.47 -19.41 -2.54	143.10 -18.77 0.00
NIAGARA_115E_LBMP 323715	85.16 -5.60 -8.50	87.00 -5.93 -8.23	86.24 -5.81 -9.07	86.13 -6.29 -7.42	85.38 -6.20 -6.57	86.31 -5.55 -6.50	86.67 -6.65 -8.05	82.21 -8.19 -5.05	85.70 -8.06 -5.15	88.43 -8.61 -7.40	90.71 -9.13 -11.15	88.78 -9.06 -9.05	88.01 -9.04 -8.44	87.71 -9.09 -9.39	90.32 -8.93 -9.95	122.15 -17.55 -2.59	135.75 -19.75 0.00	194.62 -33.51 -0.12	178.13 -31.86 -0.34	174.64 -30.99 -0.45	142.62 -25.89 -2.55	120.30 -20.95 -3.41	131.88 -20.01 -2.55	142.44 -19.43 0.00
NIAGARA_115W_LBMP 323714	85.95 -4.77 -8.47	87.82 -5.08 -8.20	87.04 -4.98 -9.04	86.87 -5.52 -7.39	86.20 -5.35 -6.55	87.13 -4.69 -6.48	87.07 -6.22 -8.02	82.62 -7.77 -5.03	86.12 -7.62 -5.13	88.85 -8.16 -7.37	91.10 -8.69 -11.10	89.19 -8.61 -9.01	88.42 -8.59 -8.41	88.03 -8.74 -9.35	90.63 -8.57 -9.91	122.54 -17.14 -2.58	136.06 -19.44 0.00	195.05 -33.06 -0.11	178.52 -31.45 -0.33	175.24 -30.36 -0.43	142.94 -25.55 -2.54	120.83 -20.40 -3.40	132.16 -19.72 -2.54	142.93 -18.94 0.00
NIAGARA_230_LBMP 323716	86.17 -4.44 -8.36	88.05 -4.74 -8.10	87.18 -4.73 -8.93	87.11 -5.19 -7.29	86.46 -5.02 -6.46	87.40 -4.35 -6.40	87.82 -5.37 -7.92	83.41 -6.91 -4.97	86.93 -6.74 -5.06	89.65 -7.26 -7.27	91.84 -7.81 -10.96	89.96 -7.73 -8.90	89.28 -7.62 -8.30	88.86 -7.78 -9.23	91.49 -7.59 -9.78	124.16 -15.49 -2.54	137.93 -17.57 0.00	198.00 -30.10 -0.09	181.24 -28.71 -0.31	177.68 -27.90 -0.41	145.07 -23.40 -2.50	122.44 -18.74 -3.35	133.92 -17.93 -2.50	144.55 -17.32 0.00
NIAGARA__115KV_198_GIBSON 55903	85.95 -4.77 -8.47	87.82 -5.08 -8.20	87.04 -4.98 -9.04	86.87 -5.53 -7.39	86.20 -5.36 -6.55	87.13 -4.69 -6.48	87.06 -6.22 -8.02	82.62 -7.77 -5.03	86.12 -7.62 -5.13	88.85 -8.16 -7.37	91.19 -8.60 -11.10	89.19 -8.61 -9.01	88.42 -8.59 -8.41	88.02 -8.74 -9.35	90.64 -8.57 -9.91	122.55 -17.14 -2.58	137.31 -18.19 0.00	197.11 -31.01 -0.11	180.42 -29.56 -0.34	176.69 -28.93 -0.45	145.70 -22.90 -2.64	120.97 -20.40 -3.54	132.27 -19.71 -2.64	143.09 -18.78 0.00
NIAGARA____ 23760	86.30 -4.44 -8.49	88.18 -4.74 -8.22	87.32 -4.73 -9.06	87.23 -5.19 -7.41	86.56 -5.02 -6.56	87.49 -4.35 -6.49	87.93 -5.37 -8.03	83.46 -6.91 -5.02	86.99 -6.74 -5.12	89.73 -7.26 -7.35	91.96 -7.81 -11.07	90.05 -7.73 -8.99	89.37 -7.62 -8.38	88.96 -7.78 -9.32	91.59 -7.59 -9.88	124.18 -15.49 -2.57	137.93 -17.57 0.00	198.01 -30.10 -0.10	181.25 -28.71 -0.32	177.70 -27.90 -0.43	145.09 -23.40 -2.52	122.47 -18.74 -3.38	133.94 -17.93 -2.53	144.55 -17.32 0.00
NINE_MILE_1 23575	82.57 -2.71 -3.03	84.75 -2.88 -2.94	83.48 -2.74 -3.24	84.76 -2.89 -2.64	84.46 -2.89 -2.34	84.93 -2.73 -2.32	85.41 -2.73 -2.87	84.42 -2.73 -1.80	86.14 -2.66 -0.19	88.03 -2.60 -1.00	88.27 -2.75 -2.33	87.62 -2.75 -1.58	87.23 -2.75 -1.37	86.24 -2.88 -1.70	88.44 -2.77 -1.90	131.90 -5.21 0.00	149.76 -5.75 0.00	219.11 -8.90 0.00	201.68 -7.97 0.00	197.38 -7.80 0.00	159.49 -6.48 0.00	132.46 -5.38 -0.01	143.52 -5.83 0.00	155.55 -6.32 0.00
NINE_MILE_2 23744	82.56 -2.71 -3.02	84.74 -2.88 -2.92	83.47 -2.74 -3.22	84.75 -2.89 -2.63	84.45 -2.89 -2.33	84.92 -2.73 -2.31	85.39 -2.73 -2.86	84.41 -2.73 -1.79	86.14 -2.66 -0.19	88.02 -2.60 -0.99	88.26 -2.75 -2.32	87.61 -2.75 -1.58	87.13 -2.84 -1.36	86.23 -2.88 -1.70	88.43 -2.77 -1.90	131.90 -5.21 0.00	149.76 -5.75 0.00	219.11 -8.90 0.00	201.68 -7.97 0.00	197.38 -7.80 0.00	159.49 -6.48 0.00	132.46 -5.38 -0.01	143.52 -5.83 0.00	155.72 -6.15 0.00
NM_CAPITAL__DRP 24208	152.41 4.11 -66.05	152.87 4.23 -63.93	157.61 4.15 -70.48	146.77 4.17 -57.60	140.22 4.17 -51.04	140.12 4.27 -50.50	152.07 4.26 -62.54	239.77 4.95 -149.47	251.88 5.32 -157.96	237.84 5.56 -142.65	241.38 5.32 -147.37	245.64 5.24 -151.62	245.90 5.23 -152.07	232.18 5.16 -139.61	228.80 5.09 -134.41	257.23 6.72 -113.40	305.47 7.15 -142.81	239.42 9.58 -1.84	224.05 8.60 -5.81	221.45 8.62 -7.66	217.67 6.47 -45.24	203.97 5.79 -60.35	201.30 6.72 -45.24	169.32 7.45 0.00



NM_CENTRAL___DRP 24181	86.72 -0.58 -5.04	88.90 -0.68 -4.88	87.69 -0.66 -5.38	88.64 -0.77 -4.40	88.14 -0.77 -3.90	88.69 -0.51 -3.85	89.61 -0.43 -4.77	87.92 -0.43 -3.00	88.75 -0.18 -0.32	91.20 -0.09 -1.65	92.39 -0.18 -3.88	91.24 -0.18 -2.63	90.70 -0.18 -2.27	89.90 -0.35 -2.83	92.29 -0.18 -3.17	135.74 -1.37 0.00	154.26 -1.24 0.00	225.27 -2.74 0.00	206.29 -3.35 0.00	201.89 -3.28 0.00	163.14 -2.82 0.00	135.23 -2.62 -0.02	146.51 -2.84 0.00	158.96 -2.91 0.00
NM_FRONTIER___DRP 24179	85.95 -4.77 -8.47	87.82 -5.08 -8.20	87.04 -4.98 -9.04	86.87 -5.53 -7.39	86.20 -5.36 -6.55	87.13 -4.69 -6.48	87.06 -6.22 -8.02	82.62 -7.77 -5.03	86.12 -7.62 -5.13	88.85 -8.16 -7.37	91.19 -8.60 -11.10	89.19 -8.61 -9.01	88.42 -8.59 -8.41	88.02 -8.74 -9.35	90.64 -8.57 -9.91	122.55 -17.14 -2.58	137.31 -18.19 0.00	197.11 -31.01 -0.11	180.42 -29.56 -0.34	176.69 -28.93 -0.45	145.70 -22.90 -2.64	120.97 -20.40 -3.54	132.27 -19.71 -2.64	143.09 -18.78 0.00
NM_ST_REGIS___HYD 24053	80.28 -1.97 0.00	82.84 -1.86 0.00	81.15 -1.83 0.00	83.48 -1.53 0.00	83.14 -1.87 0.00	82.45 -2.90 0.00	81.94 -3.33 0.00	82.02 -3.33 0.00	84.26 -4.34 0.00	84.70 -4.93 0.00	84.79 -3.90 0.00	84.79 -4.00 0.00	84.71 -3.90 0.00	84.53 -2.88 0.00	85.19 -4.11 0.00	133.27 -3.84 0.00	151.00 -4.51 0.00	222.76 -5.24 0.00	205.03 -4.61 0.00	200.46 -4.72 0.00	162.31 -3.65 0.00	135.90 -1.93 0.00	147.70 -1.64 0.00	160.74 -1.13 0.00
NORTHPORT___1 23551	146.28 8.55 -55.48	146.73 8.31 -53.73	148.11 7.47 -57.66	140.12 7.99 -47.12	134.93 8.16 -41.76	137.23 8.79 -43.09	146.73 8.87 -52.60	146.73 9.73 -51.65	147.12 10.72 -47.80	151.74 10.30 -51.80	174.55 9.49 -76.36	166.72 9.59 -68.35	161.98 9.21 -64.16	162.73 8.21 -67.10	167.71 8.49 -69.93	180.24 12.07 -31.07	196.25 13.84 -26.90	253.40 18.91 -6.47	216.42 18.03 11.25	214.42 16.83 7.58	196.64 13.44 -17.24	171.19 10.89 -22.48	160.24 12.09 1.20	159.97 13.43 15.33
NORTHPORT___2 23552	146.28 8.55 -55.48	146.73 8.31 -53.73	148.11 7.47 -57.66	140.12 7.99 -47.12	134.93 8.16 -41.76	137.23 8.79 -43.09	146.73 8.87 -52.60	146.73 9.73 -51.65	147.12 10.72 -47.80	151.74 10.30 -51.80	174.55 9.49 -76.36	166.72 9.59 -68.35	161.98 9.21 -64.16	162.73 8.21 -67.10	167.71 8.49 -69.93	180.24 12.07 -31.07	196.25 13.84 -26.90	253.40 18.91 -6.47	216.42 18.03 11.25	214.42 16.83 7.58	196.64 13.44 -17.24	171.19 10.89 -22.48	160.24 12.09 1.20	159.97 13.43 15.33
NORTHPORT___3 23553	144.67 6.99 -55.43	145.16 6.78 -53.68	146.78 6.14 -57.66	138.51 6.38 -47.12	133.31 6.55 -41.76	135.46 7.08 -43.03	145.06 7.24 -52.55	145.06 8.11 -51.60	145.36 9.04 -47.71	150.18 8.79 -51.75	172.33 7.45 -76.19	164.42 7.54 -68.10	159.81 7.27 -63.94	161.20 6.90 -66.88	166.22 7.23 -69.69	177.86 9.88 -30.88	193.73 11.51 -26.72	250.25 15.96 -6.29	213.60 15.30 11.34	211.87 14.36 7.66	194.34 11.29 -17.08	169.19 9.09 -22.27	158.05 9.85 1.15	157.27 10.68 15.28
NORTHPORT___4 23650	144.67 6.99 -55.43	145.16 6.78 -53.68	146.78 6.14 -57.66	138.51 6.38 -47.12	133.31 6.55 -41.76	135.46 7.08 -43.03	145.06 7.24 -52.55	145.06 8.11 -51.60	145.36 9.04 -47.71	150.18 8.79 -51.75	172.33 7.45 -76.19	164.42 7.54 -68.10	159.81 7.27 -63.94	161.20 6.90 -66.88	166.22 7.23 -69.69	177.86 9.88 -30.88	193.73 11.51 -26.72	250.25 15.96 -6.29	213.60 15.30 11.34	211.87 14.36 7.66	194.34 11.29 -17.08	169.19 9.09 -22.27	158.05 9.85 1.15	157.27 10.68 15.28
NORTHPORT___IC 23718	146.28 8.55 -55.48	146.73 8.30 -53.73	148.11 7.47 -57.66	140.12 7.99 -47.12	134.93 8.16 -41.76	137.23 8.79 -43.09	146.73 8.87 -52.60	146.73 9.73 -51.65	147.13 10.72 -47.80	151.83 10.40 -51.80	174.37 9.31 -76.36	166.37 9.23 -68.35	161.27 8.51 -64.15	162.73 8.22 -67.10	167.71 8.48 -69.93	179.97 11.79 -31.07	196.25 13.84 -26.90	252.72 18.24 -6.47	214.75 16.35 11.25	213.80 16.21 7.58	196.02 12.78 -17.28	171.24 10.89 -22.52	160.27 12.10 1.17	157.87 11.33 15.33
NORTH___COUNTRY_ESR 323785	79.78 -2.47 0.00	82.24 -2.46 0.00	80.57 -2.41 0.00	82.89 -2.12 0.00	82.97 -2.04 0.00	82.87 -2.48 0.00	82.79 -2.48 0.00	82.96 -2.39 0.00	85.59 -3.01 0.00	86.68 -2.96 0.00	86.21 -2.48 0.00	86.39 -2.39 0.00	86.30 -2.30 0.00	85.41 -2.01 0.00	86.89 -2.41 0.00	135.32 -1.79 0.00	153.33 -2.18 0.00	225.95 -2.06 0.00	207.96 -1.68 0.00	203.12 -2.05 0.00	164.63 -1.33 0.00	136.72 -1.11 0.00	147.85 -1.49 0.00	160.90 -0.97 0.00
NPX_GEN_1385_PROXY 323591	145.95 8.22 -55.48	146.48 8.05 -53.73	147.69 7.05 -57.66	139.69 7.56 -47.12	134.75 7.99 -41.76	137.06 8.62 -43.09	146.81 8.95 -52.60	146.90 9.90 -51.65	147.48 11.07 -47.80	151.83 10.39 -51.80	175.16 10.11 -76.36	167.34 10.21 -68.35	162.68 9.92 -64.16	162.73 8.21 -67.10	167.49 8.57 -69.61	181.52 13.03 -31.38	196.25 13.84 -26.90	252.73 18.25 -6.47	215.58 17.19 11.25	213.39 15.80 7.58	196.16 12.95 -17.24	170.92 10.61 -22.48	160.24 12.09 1.20	159.65 13.11 15.33
NPX_GEN_CSC 323557	147.85 9.87 -55.73	148.24 9.57 -53.98	149.35 8.71 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.16 10.41 -43.40	148.43 10.31 -52.85	148.42 11.18 -51.89	148.97 12.31 -48.05	153.72 12.02 -52.07	177.00 11.00 -77.31	169.64 11.19 -69.67	164.89 10.98 -65.30	166.12 10.49 -68.22	171.12 10.98 -70.84	185.51 16.03 -32.37	202.01 18.65 -27.85	260.29 24.86 -7.42	223.09 23.48 10.03	220.77 22.17 6.57	201.64 17.42 -18.26	175.72 14.07 -23.82	163.65 15.08 0.78	163.59 16.68 14.95
NSINS_S___GLNS_FALLS 23858	156.66 6.33 -68.08	157.20 6.61 -65.90	162.10 6.47 -72.64	150.92 6.55 -59.37	144.25 6.63 -52.61	144.15 6.74 -52.05	156.55 6.82 -64.47	299.91 5.21 -209.35	323.31 5.76 -228.94	292.19 5.83 -196.73	284.10 6.03 -189.38	299.15 6.30 -204.06	301.93 6.20 -207.12	277.78 6.03 -184.34	269.83 6.34 -174.19	314.16 9.46 -167.59	385.69 11.35 -218.84	247.19 16.42 -2.77	233.49 15.09 -8.76	231.30 14.57 -11.55	249.27 15.10 -68.21	240.72 11.99 -90.90	230.25 12.69 -68.21	175.30 13.44 0.00
NUCOR_STEEL___DRP 24197	90.73 1.64 -6.84	92.93 1.61 -6.62	91.77 1.49 -7.30	92.50 1.53 -5.96	91.82 1.53 -5.28	92.46 1.88 -5.23	93.70 1.96 -6.48	91.38 1.96 -4.06	95.20 2.48 -4.12	98.16 2.60 -5.92	100.20 2.57 -8.94	98.52 2.49 -7.25	97.76 2.39 -6.76	97.04 2.10 -7.52	99.86 2.59 -7.97	141.51 2.33 -2.07	158.93 3.42 0.00	229.70 1.60 -0.09	209.72 -0.21 -0.29	204.94 -0.62 -0.38	167.70 -0.50 -2.24	140.01 -0.83 -3.00	150.84 -0.75 -2.24	161.22 -0.65 0.00
NUMBER_THREE_WT_PWR 323818	83.98 -0.16 -1.89	86.70 0.17 -1.83	85.25 0.25 -2.02	87.09 0.43 -1.65	86.73 0.26 -1.46	87.23 0.43 -1.45	88.25 1.19 -1.79	87.76 1.28 -1.13	90.23 1.50 -0.12	91.87 1.62 -0.62	92.19 2.04 -1.46	91.73 1.95 -0.99	91.06 1.60 -0.85	89.36 0.87 -1.06	91.03 0.54 -1.19	137.93 0.83 0.00	156.74 1.24 0.00	230.52 2.51 0.00	211.31 1.67 0.00	207.02 1.84 0.00	166.96 1.00 0.00	138.67 0.83 -0.01	150.24 0.90 0.00	162.68 0.81 0.00
NYISO_LBMP_REFERENCE 24008	82.25 0.00 0.00	84.70 0.00 0.00	82.98 0.00 0.00	85.01 0.00 0.00	85.01 0.00 0.00	85.35 0.00 0.00	85.27 0.00 0.00	85.35 0.00 0.00	88.61 0.00 0.00	89.63 0.00 0.00	88.69 0.00 0.00	88.79 0.00 0.00	88.61 0.00 0.00	87.42 0.00 0.00	89.30 0.00 0.00	137.11 0.00 0.00	155.51 0.00 0.00	228.01 0.00 0.00	209.64 0.00 0.00	205.18 0.00 0.00	165.96 0.00 0.00	137.83 0.00 0.00	149.34 0.00 0.00	161.87 0.00 0.00



NYPA_BRENTWD____GT 24164	147.66 9.37 -56.04	148.05 9.07 -54.28	148.94 8.30 -57.66	140.89 8.76 -47.12	135.69 8.92 -41.76	138.69 9.56 -43.78	148.05 9.63 -53.15	148.02 10.50 -52.18	148.58 11.60 -48.37	153.32 11.29 -52.39	177.61 10.46 -78.46	170.69 10.65 -71.26	165.65 10.36 -66.68	166.60 9.62 -69.57	171.94 10.00 -72.64	184.75 14.39 -33.25	201.30 16.80 -29.00	259.84 23.27 -8.57	222.88 21.80 8.56	220.54 20.71 5.35	201.87 16.43 -19.48	176.51 13.23 -25.45	163.56 14.48 0.27	163.24 15.87 14.51
NYPA_GOWANUS____GT5 24156	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NYPA_GOWANUS____GT6 24157	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	413.09 5.97 -321.86	410.38 6.91 -318.12	437.34 7.88 -340.85	672.81 7.89 -575.29	467.19 7.99 -370.52	410.96 8.08 -314.10	678.78 8.06 -582.11	412.66 8.04 -317.21	684.87 8.21 -587.35	390.80 11.25 -242.45	489.32 12.75 -321.06	546.45 17.80 -300.64	602.82 16.14 -377.03	390.80 16.01 -169.61	390.80 12.95 -211.88	469.81 10.76 -321.22	551.53 11.34 -390.84	473.68 11.81 -300.00
NYPA_HARLEM__RVR__GT1 24160	141.79 5.51 -54.03	142.00 5.00 -52.30	145.19 4.56 -57.65	136.79 4.67 -47.11	131.69 4.93 -41.76	131.77 5.12 -41.30	141.71 5.29 -51.16	140.11 6.40 -48.36	136.89 7.44 -40.84	147.35 7.44 -50.28	167.01 7.81 -70.51	156.82 7.81 -60.22	153.60 7.88 -57.11	155.75 8.13 -60.21	159.70 8.04 -62.35	172.66 10.56 -24.99	188.70 12.14 -21.06	245.28 16.64 -0.64	226.77 15.10 -2.02	222.82 14.97 -2.67	193.90 12.11 -15.83	169.10 10.06 -21.22	175.47 10.30 -15.83	172.88 11.01 0.00
NYPA_HARLEM__RVR__GT2 24161	141.79 5.51 -54.03	142.00 5.00 -52.30	145.19 4.56 -57.65	136.79 4.67 -47.11	131.69 4.93 -41.76	131.77 5.12 -41.30	141.71 5.29 -51.16	140.11 6.40 -48.36	136.89 7.44 -40.84	147.35 7.44 -50.28	167.01 7.81 -70.51	156.82 7.81 -60.22	153.60 7.88 -57.11	155.75 8.13 -60.21	159.70 8.04 -62.35	172.66 10.56 -24.99	188.70 12.14 -21.06	245.28 16.64 -0.64	226.77 15.10 -2.02	222.82 14.97 -2.67	193.90 12.11 -15.83	169.10 10.06 -21.22	175.47 10.30 -15.83	172.88 11.01 0.00
NYPA_KENT____GT 24152	292.37 6.09 -204.03	256.72 5.76 -166.26	333.70 5.39 -245.33	400.15 5.52 -309.62	313.23 5.61 -222.62	262.80 5.88 -171.56	307.05 5.97 -215.82	275.50 6.91 -183.24	287.34 7.88 -190.85	410.40 7.97 -312.79	317.28 8.07 -220.52	284.11 8.16 -187.16	416.37 8.15 -319.61	284.16 8.04 -188.71	422.46 8.31 -324.85	364.63 11.25 -216.27	339.47 12.90 -171.06	396.66 18.01 -150.64	490.54 16.36 -264.53	340.41 16.01 -119.22	296.88 13.11 -117.81	319.81 10.76 -171.22	438.89 11.21 -278.34	323.53 11.66 -150.00
NYPA_POUCH1____GT 24155	442.53 6.25 -354.03	370.85 5.93 -280.22	370.84 5.56 -282.31	512.82 5.70 -422.12	370.83 5.78 -280.04	393.05 5.88 -301.82	412.92 5.80 -321.86	410.13 6.66 -318.12	436.98 7.53 -340.85	672.54 7.61 -575.29	466.84 7.63 -370.52	410.60 7.72 -314.10	678.52 7.80 -582.11	412.32 7.69 -317.21	684.60 7.95 -587.35	390.26 10.70 -242.45	488.85 12.28 -321.06	545.76 17.11 -300.64	602.19 15.51 -377.03	390.18 15.40 -169.61	390.30 12.45 -211.88	469.53 10.47 -321.22	551.39 11.21 -390.84	473.68 11.81 -300.00
NYPA_VERNON____GT2 24162	142.21 5.93 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.47 5.81 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.98 -40.85	148.00 8.07 -50.29	167.36 8.15 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.36 11.49 0.00
NYPA_VERNON____GT3 24163	142.21 5.93 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.47 5.81 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.98 -40.85	148.00 8.07 -50.29	167.36 8.15 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.36 11.49 0.00
NYPA__ASTORIA_CC1 323568	142.21 5.93 -54.03	142.59 5.59 -52.30	145.78 5.15 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.88 -40.85	147.90 7.97 -50.29	167.28 8.07 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	160.05 8.39 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.53 11.66 0.00
NYPA__ASTORIA_CC2 323569	142.21 5.93 -54.03	142.59 5.59 -52.30	145.78 5.15 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.38 5.72 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.34 7.88 -40.85	147.90 7.97 -50.29	167.28 8.07 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	160.05 8.39 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.53 11.66 0.00
NYPA__HOLTSVILL 23794	146.92 8.97 -55.71	147.29 8.64 -53.95	148.53 7.89 -57.66	140.55 8.42 -47.12	135.44 8.68 -41.76	138.03 9.30 -43.37	147.38 9.30 -52.82	147.37 10.15 -51.87	147.80 11.16 -48.03	152.52 10.84 -52.04	175.84 9.93 -77.22	168.35 10.03 -69.53	163.62 9.83 -65.18	164.78 9.26 -68.10	169.89 9.56 -71.03	182.77 13.71 -31.96	199.28 16.02 -27.76	257.01 21.67 -7.33	220.04 20.56 10.16	218.00 19.50 6.68	199.55 15.44 -18.15	173.93 12.41 -23.68	162.11 13.59 0.82	161.76 14.88 14.99
NYPA__HELLGATE_GT1 24158	141.79 5.51 -54.03	142.00 5.00 -52.30	145.19 4.56 -57.65	136.79 4.67 -47.11	131.69 4.93 -41.76	131.77 5.12 -41.30	141.71 5.29 -51.16	140.11 6.40 -48.36	136.89 7.44 -40.84	147.35 7.44 -50.28	167.01 7.81 -70.51	156.82 7.81 -60.22	153.60 7.88 -57.11	155.75 8.13 -60.21	159.70 8.04 -62.35	172.66 10.56 -24.99	188.70 12.14 -21.06	245.28 16.64 -0.64	226.77 15.10 -2.02	222.82 14.97 -2.67	193.90 12.11 -15.83	169.10 10.06 -21.22	175.47 10.30 -15.83	172.88 11.01 0.00
NYPA__HELLGATE_GT2 24159	141.79 5.51 -54.03	142.00 5.00 -52.30	145.19 4.56 -57.65	136.79 4.67 -47.11	131.69 4.93 -41.76	131.77 5.12 -41.30	141.71 5.29 -51.16	140.11 6.40 -48.36	136.89 7.44 -40.84	147.35 7.44 -50.28	167.01 7.81 -70.51	156.82 7.81 -60.22	153.60 7.88 -57.11	155.75 8.13 -60.21	159.70 8.04 -62.35	172.66 10.56 -24.99	188.70 12.14 -21.06	245.28 16.64 -0.64	226.77 15.10 -2.02	222.82 14.97 -2.67	193.90 12.11 -15.83	169.10 10.06 -21.22	175.47 10.30 -15.83	172.88 11.01 0.00
NYS_BARGE__HYD 23848	85.90 -4.60 -8.26	87.70 -5.00 -7.99	86.89 -4.90 -8.81	86.77 -5.44 -7.20	86.12 -5.27 -6.38	87.05 -4.61 -6.31	87.46 -5.63 -7.82	83.17 -7.08 -4.91	86.78 -6.82 -4.99	89.46 -7.35 -7.17	91.61 -7.89 -10.81	89.75 -7.81 -8.78	89.08 -7.71 -8.18	88.65 -7.87 -9.10	91.27 -7.68 -9.65	124.12 -15.49 -2.51	138.09 -17.41 0.00	198.06 -30.10 -0.15	181.50 -28.51 -0.36	177.94 -27.70 -0.47	145.03 -23.40 -2.46	122.25 -18.88 -3.30	133.88 -17.93 -2.46	144.55 -17.32 0.00



OAK ORCHARD___HYD 24046	87.73 -1.32 -6.80	89.67 -1.61 -6.59	88.66 -1.58 -7.26	89.07 -1.87 -5.93	88.40 -1.87 -5.26	89.18 -1.37 -5.20	90.00 -1.70 -6.44	87.00 -2.39 -4.04	90.69 -1.95 -4.03	93.22 -2.24 -5.83	95.03 -2.48 -8.83	93.45 -2.49 -7.15	92.79 -2.48 -6.66	92.21 -2.62 -7.42	94.76 -2.41 -7.87	132.14 -6.99 -2.02	147.74 -7.77 0.00	214.87 -13.23 -0.09	196.85 -12.80 -0.01	192.66 -12.52 -0.01	154.84 -11.12 0.00	129.03 -8.82 -0.02	140.39 -8.96 0.00	152.97 -8.90 0.00
OAKDALE__35_KV_LOAD 356122	100.34 0.41 -17.68	102.24 0.42 -17.11	102.34 0.50 -18.87	100.85 0.43 -15.42	99.10 0.43 -13.66	99.64 0.77 -13.52	102.61 0.60 -16.74	103.49 0.51 -17.63	105.35 0.89 -15.85	108.85 0.81 -18.41	114.03 0.71 -24.63	111.09 0.71 -21.59	109.98 0.71 -20.66	109.29 0.52 -21.35	112.00 0.80 -21.90	147.67 0.55 -10.02	165.82 1.09 -9.23	228.48 0.23 -0.25	209.38 -1.05 -0.79	205.39 -0.82 -1.04	171.60 -0.50 -6.13	144.80 -1.24 -8.21	155.03 -0.45 -6.13	161.55 -0.32 0.00
OCC_CHEM___DRP 24175	86.13 -4.61 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.36 -7.40	86.29 -5.27 -6.55	87.23 -4.61 -6.49	87.24 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.38 -8.43 -11.12	89.38 -8.43 -9.03	88.61 -8.42 -8.42	88.21 -8.57 -9.36	90.83 -8.39 -9.92	122.83 -16.86 -2.58	137.62 -17.88 0.00	197.56 -30.55 -0.11	180.84 -29.14 -0.34	177.10 -28.52 -0.45	146.04 -22.57 -2.65	121.11 -20.26 -3.54	132.57 -19.41 -2.65	143.42 -18.45 0.00
OH_GEN_PROXY 24063	86.30 -4.36 -8.41	88.10 -4.74 -8.14	87.31 -4.65 -8.98	87.25 -5.10 -7.34	86.58 -4.93 -6.50	87.43 -4.35 -6.43	87.95 -5.29 -7.97	83.60 -6.74 -5.00	87.14 -6.56 -5.09	89.87 -7.08 -7.31	92.18 -7.54 -11.02	90.28 -7.46 -8.95	89.51 -7.44 -8.35	89.09 -7.61 -9.28	91.41 -7.41 -9.52	125.04 -14.94 -2.87	138.40 -17.11 0.00	198.92 -29.19 -0.10	182.07 -27.88 -0.31	178.50 -27.09 -0.42	145.75 -22.73 -2.52	122.87 -18.33 -3.37	134.54 -17.32 -2.52	145.03 -16.84 0.00
OLIN_CORP_DRP 24177	85.47 -5.35 -8.56	87.31 -5.67 -8.29	86.48 -5.64 -9.14	86.36 -6.12 -7.47	85.59 -6.04 -6.62	86.61 -5.29 -6.55	86.98 -6.39 -8.11	82.50 -7.94 -5.09	86.00 -7.80 -5.19	88.75 -8.34 -7.46	91.14 -8.78 -11.23	89.11 -8.79 -9.12	88.34 -8.77 -8.51	88.05 -8.83 -9.46	90.66 -8.66 -10.02	122.72 -17.00 -2.61	137.47 -18.04 0.00	196.89 -31.24 -0.12	180.44 -29.56 -0.36	176.92 -28.72 -0.47	145.90 -22.74 -2.67	120.88 -20.54 -3.58	132.45 -19.56 -2.67	143.25 -18.61 0.00
OLIN_CORP_DSASP 323712	86.13 -4.60 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.35 -7.40	86.29 -5.27 -6.55	87.22 -4.61 -6.49	87.25 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.30 -8.51 -11.12	89.38 -8.44 -9.03	88.61 -8.42 -8.42	88.22 -8.56 -9.36	90.83 -8.40 -9.92	122.82 -19.13 -2.58	136.37 -16.87 0.00	195.50 -32.61 -0.11	178.94 -31.03 -0.33	175.64 -29.96 -0.43	143.28 -25.22 -2.54	120.97 -20.26 -3.40	132.47 -19.41 -2.54	143.10 -18.77 0.00
ONEIDA_HERK_LFGE 323681	85.23 1.31 -1.67	87.84 1.53 -1.61	86.33 1.57 -1.78	88.16 1.70 -1.45	87.91 1.61 -1.29	88.59 1.96 -1.27	89.06 2.21 -1.58	88.64 2.31 -0.99	91.37 2.66 -0.11	93.05 2.87 -0.55	92.68 3.02 -1.28	92.19 2.83 -0.87	90.80 2.44 -0.75	92.76 2.41 -0.94	92.76 2.41 -1.05	140.39 3.29 0.00	159.54 4.04 0.00	234.17 6.16 0.00	214.67 5.02 0.00	210.31 5.13 0.00	169.78 3.82 0.00	140.86 3.03 0.00	152.62 3.28 0.00	165.27 3.40 0.00
ONEIDA__115KV_TB4 55905	87.71 2.22 -3.24	90.29 2.46 -3.14	88.84 2.41 -3.46	90.30 2.47 -2.83	90.06 2.55 -2.50	90.73 2.90 -2.48	91.40 3.07 -3.07	90.43 3.16 -1.93	92.36 3.54 -0.21	94.46 3.76 -1.06	95.00 3.81 -2.49	94.30 3.82 -1.69	93.79 3.72 -1.46	92.65 3.41 -1.82	95.00 3.66 -2.03	142.04 4.94 0.00	161.42 5.91 0.00	236.22 8.21 0.00	216.35 6.71 0.00	211.74 6.57 0.00	171.11 5.14 0.00	141.70 3.86 -0.01	153.67 4.33 0.00	166.56 4.69 0.00
ONONDAGA_REF_OCCRA 23987	88.49 0.00 -6.24	90.66 -0.08 -6.04	89.56 -0.08 -6.66	90.37 -0.09 -5.44	89.75 -0.09 -4.82	90.29 0.17 -4.77	91.35 0.17 -5.91	89.32 0.26 -3.71	89.54 0.53 -0.40	92.40 0.72 -2.05	94.11 0.62 -4.80	92.67 0.62 -3.26	92.04 0.62 -2.81	91.28 0.35 -3.51	93.85 0.63 -3.92	136.97 -0.14 0.00	155.82 0.31 0.00	227.32 -0.68 0.00	207.97 -1.68 0.00	203.53 -1.64 0.00	164.47 -1.49 0.00	136.20 -1.65 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00
ONONDAGA__COGEN 23986	88.60 0.66 -5.70	90.81 0.59 -5.51	89.64 0.58 -6.08	90.49 0.51 -4.97	89.92 0.51 -4.40	90.47 0.77 -4.36	91.51 0.85 -5.39	89.67 0.94 -3.39	90.30 1.33 -0.36	92.94 1.43 -1.87	94.49 1.42 -4.38	93.18 1.42 -2.98	92.50 1.33 -2.57	91.67 1.05 -3.20	94.31 1.43 -3.58	137.93 0.82 0.00	157.06 1.56 0.00	227.55 -0.46 0.00	207.97 -1.68 0.00	203.33 -1.85 0.00	164.47 -1.49 0.00	136.33 -1.52 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00
ONTARIO__LFGE 23819	91.04 0.74 -8.05	93.09 0.60 -7.79	92.16 0.58 -8.59	92.54 0.51 -7.02	91.74 0.51 -6.22	92.53 1.03 -6.16	94.00 1.11 -7.63	90.99 0.85 -4.79	94.73 1.24 -4.89	97.81 1.16 -7.01	100.23 0.98 -10.56	98.25 0.89 -8.58	97.40 0.80 -8.00	96.84 0.53 -8.90	99.71 0.98 -9.43	139.43 -0.14 -2.46	155.51 0.00 0.00	224.01 -4.10 -0.10	205.34 -4.61 -0.31	200.66 -4.93 -0.41	164.38 -3.98 -2.40	138.42 -2.62 -3.21	149.51 -2.24 -2.40	159.45 -2.42 0.00
ORANGEVILLE_WT_PWR 323706	89.33 -3.13 -10.20	91.36 -3.22 -9.88	90.80 -3.07 -10.89	90.50 -3.40 -8.90	89.66 -3.23 -7.89	90.67 -2.48 -7.80	91.78 -3.15 -9.66	90.79 -4.18 -9.62	92.88 -3.99 -8.26	94.97 -4.57 -9.90	97.34 -4.96 -13.61	95.66 -4.88 -11.76	94.93 -4.87 -11.19	94.04 -5.07 -11.69	96.53 -4.82 -12.05	132.93 -9.33 -5.15	149.85 -10.27 -4.61	208.76 -19.38 -0.13	191.18 -18.87 -0.40	187.24 -18.47 -0.53	153.65 -15.43 -3.11	129.32 -12.68 -4.17	141.25 -11.20 -3.11	151.03 -10.84 0.00
ORANGEVILLE__ESR 323794	89.33 -3.13 -10.20	91.36 -3.22 -9.88	90.80 -3.07 -10.89	90.50 -3.40 -8.90	89.66 -3.23 -7.89	90.67 -2.48 -7.80	91.78 -3.15 -9.66	90.79 -4.18 -9.62	92.88 -3.99 -8.26	94.97 -4.57 -9.90	97.34 -4.96 -13.61	95.66 -4.88 -11.76	94.93 -4.87 -11.19	94.04 -5.07 -11.69	96.53 -4.82 -12.05	132.93 -9.33 -5.15	149.85 -10.27 -4.61	208.76 -19.38 -0.13	191.18 -18.87 -0.40	187.24 -18.47 -0.53	153.65 -15.43 -3.11	129.32 -12.68 -4.17	141.25 -11.20 -3.11	151.03 -10.84 0.00
OSWEGATCHIE__HYD 24044	81.99 -1.64 -1.39	84.68 -1.36 -1.34	83.13 -1.33 -1.48	85.03 -1.19 -1.21	84.63 -1.45 -1.07	84.36 -2.05 -1.06	84.53 -2.05 -1.31	84.21 -1.96 -0.82	86.31 -2.39 -0.09	87.49 -2.60 -0.45	88.07 -1.69 -1.07	87.73 -1.78 -0.72	87.28 -1.95 -0.62	86.36 -1.84 -0.78	87.50 -2.68 -0.87	134.22 -2.89 0.00	152.40 -3.11 0.00	224.59 -3.41 0.00	206.28 -3.36 0.00	201.88 -3.29 0.00	163.14 -2.82 0.00	136.19 -1.65 0.00	147.85 -1.49 0.00	160.57 -1.30 0.00
OSWEGO__5 23606	83.09 -2.22 -3.06	85.29 -2.37 -2.96	83.92 -2.32 -3.26	85.30 -2.38 -2.67	84.99 -2.38 -2.36	85.47 -2.22 -2.34	85.86 -2.30 -2.90	84.95 -2.22 -1.82	86.68 -2.13 -0.20	88.49 -2.15 -1.00	88.83 -2.21 -2.35	88.07 -2.31 -1.60	87.68 -2.30 -1.38	86.78 -2.36 -1.72	88.90 -2.32 -1.92	132.71 -4.39 0.00	150.68 -4.82 0.00	220.49 -7.52 0.00	203.36 -6.28 0.00	199.03 -6.15 0.00	160.64 -5.32 0.00	133.43 -4.42 -0.01	144.71 -4.63 0.00	157.02 -4.85 0.00



OSWEGO___6 23613	83.09 -2.22 -3.06	85.29 -2.37 -2.96	83.92 -2.32 -3.26	85.30 -2.38 -2.67	84.99 -2.38 -2.36	85.47 -2.22 -2.34	85.86 -2.30 -2.90	84.95 -2.22 -1.82	86.68 -2.13 -0.20	88.49 -2.15 -1.00	88.83 -2.21 -2.35	88.07 -2.31 -1.60	87.68 -2.30 -1.38	86.78 -2.36 -1.72	88.90 -2.32 -1.92	132.71 -4.39 0.00	150.68 -4.82 0.00	220.49 -7.52 0.00	203.36 -6.28 0.00	199.03 -6.15 0.00	160.64 -5.32 0.00	133.43 -4.42 -0.01	144.71 -4.63 0.00	157.02 -4.85 0.00
OUTOKUMPU-AB___DRP 24206	87.26 -3.62 -8.63	89.07 -3.98 -8.35	88.29 -3.90 -9.21	88.20 -4.34 -7.53	87.43 -4.25 -6.67	88.45 -3.50 -6.60	88.84 -4.60 -8.17	84.33 -6.15 -5.13	88.00 -5.85 -5.24	90.88 -6.27 -7.52	93.27 -6.74 -11.32	91.23 -6.75 -9.19	90.54 -6.65 -8.58	90.14 -6.82 -9.54	92.80 -6.61 -10.10	126.30 -13.44 -2.63	141.51 -14.00 0.00	203.05 -25.08 -0.12	185.90 -24.11 -0.36	182.26 -23.39 -0.47	150.40 -18.26 -2.70	124.35 -17.09 -3.61	136.36 -15.68 -2.70	147.14 -14.73 0.00
OXBOW___BTM 323836	86.78 -4.03 -8.56	88.67 -4.32 -8.28	87.88 -4.23 -9.13	87.71 -4.76 -7.46	87.03 -4.59 -6.61	87.97 -3.92 -6.54	88.17 -5.20 -8.10	83.69 -6.74 -5.09	87.33 -6.46 -5.19	90.09 -6.99 -7.45	92.37 -7.54 -11.22	90.44 -7.46 -9.11	89.75 -7.35 -8.50	89.35 -7.52 -9.45	92.00 -7.32 -10.01	124.77 -14.94 -2.61	138.56 -16.95 0.00	198.71 -29.41 -0.12	181.89 -28.09 -0.34	178.33 -27.29 -0.44	145.62 -22.90 -2.56	122.80 -18.47 -3.43	134.59 -17.32 -2.56	145.36 -16.51 0.00
OXBOW____ 24026	86.78 -4.03 -8.56	88.66 -4.32 -8.28	87.88 -4.23 -9.13	87.71 -4.76 -7.46	87.03 -4.59 -6.61	87.97 -3.93 -6.54	88.17 -5.20 -8.10	83.69 -6.74 -5.09	87.33 -6.47 -5.19	90.09 -6.99 -7.45	92.46 -7.45 -11.22	90.44 -7.46 -9.11	89.75 -7.35 -8.50	89.35 -7.52 -9.45	91.99 -7.32 -10.01	124.77 -14.94 -2.61	139.80 -15.71 0.00	200.53 -27.59 -0.12	183.79 -26.21 -0.35	179.99 -25.65 -0.46	148.55 -20.08 -2.67	122.94 -18.47 -3.58	134.69 -17.32 -2.67	145.52 -16.35 0.00
OXY_CHEM_DSASP 323612	86.13 -4.61 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.36 -7.40	86.29 -5.27 -6.55	87.23 -4.61 -6.49	87.24 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.38 -8.43 -11.12	89.38 -8.43 -9.03	88.61 -8.42 -8.42	88.21 -8.57 -9.36	90.83 -8.39 -9.92	122.83 -16.86 -2.58	137.62 -17.88 0.00	197.56 -30.55 -0.11	180.84 -29.14 -0.34	177.10 -28.52 -0.45	146.04 -22.57 -2.65	121.11 -20.26 -3.54	132.57 -19.41 -2.65	143.42 -18.45 0.00
OZONE_PARK_ESR 323760	142.69 6.42 -54.03	143.18 6.18 -52.30	146.44 5.81 -57.65	138.07 5.95 -47.11	132.71 5.95 -41.75	133.06 6.40 -41.31	143.08 6.65 -51.16	141.39 7.68 -48.36	138.22 8.77 -40.84	148.79 8.87 -50.29	167.98 8.78 -70.51	157.97 8.97 -60.22	154.66 8.95 -57.11	156.45 8.83 -60.20	160.76 9.11 -62.35	174.72 12.61 -25.00	190.56 14.00 -21.06	248.03 19.38 -0.64	229.08 17.40 -2.04	225.10 17.23 -2.69	195.77 13.94 -15.87	170.95 11.85 -21.27	177.61 12.40 -15.87	174.33 12.46 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	86.13 -4.61 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.36 -7.40	86.29 -5.27 -6.55	87.23 -4.61 -6.49	87.24 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.38 -8.43 -11.12	89.38 -8.43 -9.03	88.61 -8.42 -8.42	88.21 -8.57 -9.36	90.83 -8.39 -9.92	122.83 -16.86 -2.58	137.62 -17.88 0.00	197.56 -30.55 -0.11	180.84 -29.14 -0.34	177.10 -28.52 -0.45	146.04 -22.57 -2.65	121.11 -20.26 -3.54	132.57 -19.41 -2.65	143.42 -18.45 0.00
PACKARD__115KV_DUPONT_184 80571	86.13 -4.61 -8.48	87.91 -5.00 -8.21	87.13 -4.90 -9.05	87.05 -5.36 -7.40	86.29 -5.27 -6.55	87.23 -4.61 -6.49	87.24 -6.05 -8.03	82.79 -7.60 -5.04	86.30 -7.44 -5.14	89.04 -7.98 -7.38	91.38 -8.43 -11.12	89.38 -8.43 -9.03	88.61 -8.42 -8.42	88.21 -8.57 -9.36	90.83 -8.39 -9.92	122.83 -16.86 -2.58	137.62 -17.88 0.00	197.56 -30.55 -0.11	180.84 -29.14 -0.34	177.10 -28.52 -0.45	146.04 -22.57 -2.65	121.11 -20.26 -3.54	132.57 -19.41 -2.65	143.42 -18.45 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	141.96 5.68 -54.03	142.25 5.25 -52.30	145.45 4.81 -57.65	137.05 4.93 -47.12	131.86 5.10 -41.76	131.95 5.29 -41.31	141.89 5.46 -51.17	140.20 6.49 -48.37	136.99 7.53 -40.85	147.54 7.62 -50.29	166.83 7.63 -70.52	156.82 7.81 -60.22	153.78 8.06 -57.11	155.58 7.95 -60.21	159.60 7.95 -62.35	172.94 10.83 -25.00	187.92 11.35 -21.06	243.70 15.05 -0.64	225.31 13.63 -2.04	221.40 13.54 -2.69	192.78 10.95 -15.87	169.30 10.20 -21.27	175.67 10.45 -15.87	173.04 11.17 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	142.70 6.42 -54.03	143.01 6.01 -52.30	146.19 5.56 -57.65	137.90 5.78 -47.12	132.63 5.87 -41.76	132.81 6.15 -41.31	142.74 6.31 -51.17	141.06 7.34 -48.37	137.87 8.42 -40.85	148.44 8.52 -50.29	167.72 8.51 -70.52	157.71 8.70 -60.22	154.67 8.95 -57.11	156.45 8.83 -60.21	160.50 8.84 -62.35	174.17 12.07 -25.00	189.48 12.91 -21.06	245.98 17.33 -0.64	227.19 15.51 -2.04	223.25 15.39 -2.69	194.44 12.61 -15.87	170.68 11.58 -21.27	177.31 12.10 -15.87	174.82 12.95 0.00
PATROON__115KV_TB1 80586	152.81 4.11 -66.45	153.26 4.23 -64.32	158.04 4.15 -70.91	147.12 4.17 -57.95	140.61 4.25 -51.35	140.43 4.27 -50.81	152.46 4.26 -62.93	247.28 4.69 -157.24	260.76 5.05 -167.11	244.68 5.38 -149.66	246.65 5.06 -152.90	252.30 5.06 -158.45	252.88 5.05 -159.23	237.86 4.98 -145.46	233.84 4.91 -139.63	263.92 6.44 -120.37	314.91 6.84 -152.56	239.56 9.58 -1.98	224.70 8.81 -6.25	222.04 8.62 -8.25	221.31 6.64 -48.71	208.73 5.93 -64.97	205.07 7.02 -48.71	169.48 7.61 0.00
PATTRSNVILLE__SOLAR 323815	156.29 4.03 -70.01	156.62 4.15 -67.77	161.75 4.06 -74.70	150.22 4.16 -61.05	143.28 4.16 -54.10	143.15 4.27 -53.53	155.82 4.26 -66.30	308.43 4.18 -218.90	332.07 4.52 -238.95	298.68 4.30 -204.75	289.35 4.26 -196.40	305.30 4.35 -212.16	308.34 4.25 -215.48	283.02 4.20 -191.40	274.51 4.55 -180.66	319.30 6.99 -175.21	393.62 8.39 -229.72	243.24 12.30 -2.92	230.20 11.31 -9.25	228.45 11.07 -12.20	246.78 8.79 -72.03	241.12 7.30 -95.98	229.13 7.76 -72.03	169.96 8.09 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	87.17 -4.52 -9.44	89.10 -4.74 -9.14	88.32 -4.73 -10.08	88.14 -5.10 -8.23	87.29 -5.02 -7.30	88.30 -4.27 -7.22	89.18 -5.03 -8.94	84.73 -6.23 -5.61	88.44 -5.94 -5.77	91.54 -6.36 -8.27	94.38 -6.74 -12.43	92.23 -6.66 -10.10	91.39 -6.65 -9.43	91.08 -6.82 -10.48	93.79 -6.61 -11.10	131.10 -8.91 -2.91	146.49 -9.02 0.00	208.52 -19.61 -0.12	189.90 -20.13 -0.39	187.22 -18.47 -0.51	156.32 -12.61 -2.97	126.93 -14.89 -3.98	141.41 -10.90 -2.97	152.00 -9.87 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	142.97 6.17 -54.55	143.60 6.10 -52.80	147.00 5.81 -58.21	138.44 5.87 -47.57	132.95 5.78 -42.16	133.29 6.23 -41.71	143.41 6.48 -51.66	141.97 7.34 -49.28	138.89 8.51 -41.77	149.23 8.43 -51.17	168.79 8.60 -71.50	158.67 8.70 -61.18	155.27 8.59 -58.07	156.92 8.39 -61.11	161.29 8.75 -63.24	174.96 12.20 -25.65	191.19 13.84 -21.84	247.81 19.15 -0.65	229.11 17.40 -2.07	224.94 17.03 -2.73	195.53 13.44 -16.12	171.15 11.72 -21.61	177.26 11.80 -16.12	174.17 12.30 0.00
PEEKSKILL____ 23653	140.96 5.27 -53.45	141.60 5.17 -51.73	144.82 4.81 -57.03	136.63 5.01 -46.61	131.32 5.01 -41.30	131.51 5.29 -40.86	141.34 5.46 -50.61	139.49 6.32 -47.82	136.16 7.17 -40.38	146.62 7.26 -49.73	165.61 7.18 -69.74	155.62 7.28 -59.55	152.35 7.27 -56.48	154.04 7.08 -59.54	158.29 7.32 -61.67	171.82 10.00 -24.71	187.66 11.35 -20.81	244.60 15.96 -0.64	226.11 14.45 -2.01	221.97 14.15 -2.65	193.07 11.44 -15.66	168.20 9.38 -20.99	174.71 9.70 -15.66	171.74 9.88 0.00



PGE MADISON___WINDPWR 24146	105.52 6.17 -17.10	107.86 6.61 -16.55	107.78 6.55 -18.25	106.63 6.71 -14.91	104.94 6.71 -13.22	106.36 7.94 -13.08	109.65 8.19 -16.19	114.39 8.53 -20.51	118.18 9.57 -20.00	120.85 9.77 -21.44	125.32 9.93 -26.69	123.22 10.03 -24.40	122.10 9.83 -23.66	120.30 9.18 -23.71	122.97 9.74 -23.94	164.39 14.13 -13.16	186.17 17.26 -13.41	253.17 24.86 -0.30	231.54 20.96 -0.93	226.72 20.32 -1.23	188.64 15.44 -7.24	159.64 12.13 -9.68	170.32 13.73 -7.24	176.93 15.06 0.00
PIERCEFIELD___HYD 23852	80.03 -2.22 0.00	82.58 -2.12 0.00	80.90 -2.07 0.00	83.14 -1.87 0.00	82.71 -2.30 0.00	82.02 -3.33 0.00	81.34 -3.92 0.00	81.42 -3.93 0.00	83.47 -5.14 0.00	83.72 -5.92 0.00	83.99 -4.70 0.00	83.90 -4.88 0.00	83.82 -4.78 0.00	83.83 -3.58 0.00	84.30 -5.00 0.00	132.03 -5.07 0.00	149.60 -5.91 0.00	220.94 -7.07 0.00	203.35 -6.29 0.00	198.81 -6.36 0.00	160.98 -4.98 0.00	135.07 -2.76 0.00	146.95 -2.39 0.00	160.09 -1.78 0.00
PINELAWN_CC_1 323563	148.59 8.71 -57.62	149.01 8.47 -55.84	148.36 7.72 -57.66	140.04 7.91 -47.12	134.85 8.08 -41.76	139.79 8.71 -45.73	148.77 8.78 -54.72	148.65 9.64 -53.66	149.30 10.72 -49.97	154.16 10.48 -54.04	183.40 9.84 -84.86	178.89 9.94 -80.16	172.76 9.75 -74.41	173.90 9.36 -77.12	179.98 9.74 -80.94	190.86 13.84 -39.91	207.08 16.17 -35.40	265.56 22.58 -14.97	230.54 21.39 0.50	226.63 20.12 -1.34	208.16 15.93 -26.27	185.26 12.95 -34.47	165.56 13.89 -2.32	164.87 15.21 12.21
PJM_GEN_HTP_PROXY 323702	142.11 5.84 -54.02	142.58 5.59 -52.29	145.85 5.23 -57.64	137.56 5.45 -47.11	132.20 5.45 -41.75	132.46 5.81 -41.30	142.48 6.05 -51.16	140.62 6.91 -48.36	137.43 7.98 -40.84	147.99 8.07 -50.28	167.26 8.07 -70.50	157.07 8.08 -60.21	153.77 8.06 -57.10	155.57 7.95 -60.19	159.54 8.21 -62.03	173.66 11.25 -25.31	189.32 12.75 -21.06	246.45 17.80 -0.64	227.82 16.14 -2.03	223.87 16.01 -2.68	194.75 12.95 -15.83	169.52 10.47 -21.22	176.07 10.90 -15.83	172.88 11.01 0.00
PJM_GEN_KEystone 24065	51.87 0.74 31.12	49.37 0.51 35.84	47.22 0.42 36.18	46.13 0.34 39.22	46.76 0.34 38.59	52.59 0.85 33.61	64.39 0.60 21.48	77.45 0.60 8.50	72.68 1.24 17.17	66.20 0.99 24.42	70.66 0.89 18.92	69.09 0.89 20.58	66.81 0.89 22.68	67.08 0.79 21.12	68.57 0.98 21.72	74.56 0.55 63.10	89.43 0.78 66.86	110.15 -1.58 116.27	100.46 -2.10 107.09	95.30 -2.05 107.82	91.24 -1.82 72.90	88.76 -1.65 47.42	81.40 -0.59 67.35	70.50 -0.48 90.89
PJM_GEN_NEPTUNE_PROXY 323594	144.03 7.32 -54.46	144.62 7.20 -52.72	147.19 6.55 -57.66	138.93 6.80 -47.12	133.65 6.88 -41.75	134.61 7.42 -41.84	144.44 7.59 -51.59	143.08 8.45 -49.27	140.71 9.39 -42.72	149.78 9.41 -50.74	170.13 8.87 -72.57	160.82 8.96 -63.07	157.04 8.86 -59.58	158.69 8.66 -62.62	162.92 8.93 -64.69	176.88 12.34 -27.43	192.91 14.30 -23.11	250.75 20.07 -2.68	212.58 19.08 16.13	211.60 18.06 11.63	193.59 14.43 -13.20	166.63 11.71 -17.09	159.15 12.69 2.88	158.81 13.75 16.81
PJM_GEN_VFT_PROXY 323633	141.70 5.43 -54.03	142.16 5.17 -52.30	145.44 4.81 -57.65	137.05 4.93 -47.11	131.69 4.93 -41.75	132.04 5.38 -41.31	142.05 5.63 -51.16	140.37 6.66 -48.36	137.16 7.70 -40.84	147.71 7.79 -50.29	167.01 7.81 -70.51	156.90 7.90 -60.21	153.60 7.88 -57.11	155.39 7.78 -60.20	159.38 8.04 -62.03	173.25 10.83 -25.31	189.01 12.45 -21.06	245.97 17.32 -0.64	227.19 15.51 -2.03	223.44 15.59 -2.68	194.40 12.61 -15.84	169.25 10.20 -21.22	175.63 10.45 -15.84	172.24 10.37 0.00
PLATSBURG_115KV_PMLD1 355749	80.85 -1.40 0.00	83.34 -1.36 0.00	81.65 -1.33 0.00	84.16 -0.85 0.00	84.24 -0.77 0.00	84.15 -1.19 0.00	83.65 -1.62 0.00	83.73 -1.62 0.00	86.48 -2.13 0.00	87.66 -1.97 0.00	87.18 -1.51 0.00	87.28 -1.51 0.00	87.19 -1.42 0.00	86.37 -1.05 0.00	87.87 -1.43 0.00	136.56 -0.55 0.00	154.73 -0.78 0.00	228.01 0.00 0.00	209.85 0.21 0.00	205.18 0.00 0.00	166.13 0.17 0.00	137.97 0.14 0.00	149.19 -0.15 0.00	163.16 1.29 0.00
PLEASANTVLY___LBMP 24000	143.70 5.18 -56.27	144.33 5.17 -54.46	147.91 4.90 -60.04	139.09 5.02 -49.07	133.51 5.02 -43.48	133.66 5.29 -43.02	143.92 5.37 -53.28	142.08 6.06 -50.67	138.41 6.91 -42.89	149.17 6.90 -52.63	169.15 6.83 -73.63	158.59 6.84 -62.96	155.17 6.82 -59.74	156.97 6.64 -62.91	161.30 6.88 -65.12	172.87 9.46 -26.31	188.26 10.42 -22.33	243.05 14.36 -0.67	224.56 12.79 -2.13	220.70 12.72 -2.81	192.83 10.29 -16.58	168.88 8.82 -22.22	175.04 9.11 -16.58	171.26 9.39 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	142.33 5.68 -54.41	142.87 5.51 -52.66	146.26 5.23 -58.05	137.81 5.36 -47.44	132.41 5.36 -42.04	132.67 5.72 -41.60	142.58 5.80 -51.52	140.69 6.66 -48.68	137.25 7.53 -41.11	147.87 7.62 -50.62	167.22 7.54 -70.99	156.95 7.55 -60.62	153.63 7.53 -57.49	155.46 7.43 -60.61	159.75 7.68 -62.77	172.82 10.56 -25.16	188.36 11.66 -21.19	244.84 16.19 -0.65	226.16 14.47 -2.05	222.24 14.36 -2.71	193.39 11.45 -15.97	169.16 9.92 -21.41	175.62 10.30 -15.97	172.23 10.36 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	142.33 5.68 -54.41	142.87 5.51 -52.66	146.26 5.23 -58.05	137.81 5.36 -47.44	132.41 5.36 -42.04	132.67 5.72 -41.60	142.58 5.80 -51.52	140.69 6.66 -48.68	137.25 7.53 -41.11	147.87 7.62 -50.62	167.22 7.54 -70.99	156.95 7.55 -60.62	153.63 7.53 -57.49	155.46 7.43 -60.61	159.75 7.68 -62.77	172.82 10.56 -25.16	188.36 11.66 -21.19	244.84 16.19 -0.65	226.16 14.47 -2.05	222.24 14.36 -2.71	193.39 11.45 -15.97	169.16 9.92 -21.41	175.62 10.30 -15.97	172.23 10.36 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	143.16 5.76 -55.15	143.76 5.67 -53.39	147.22 5.39 -58.85	138.63 5.53 -48.09	133.16 5.53 -42.62	133.32 5.80 -42.17	143.46 5.97 -52.23	144.34 6.66 -52.33	141.37 7.53 -45.23	151.16 7.53 -53.99	170.12 7.45 -73.98	160.35 7.55 -64.02	157.13 7.53 -60.99	158.37 7.34 -63.61	162.53 7.68 -65.55	176.03 10.69 -28.23	192.82 11.97 -25.34	245.33 16.64 -0.68	226.67 14.88 -2.14	222.78 14.77 -2.83	194.45 11.78 -16.71	170.28 10.06 -22.39	176.51 10.45 -16.71	172.55 10.68 0.00
POLETTI_____ 23519	135.19 5.59 -47.35	132.11 5.34 -42.07	132.11 4.98 -44.15	132.11 5.10 -42.00	131.86 5.10 -41.75	132.19 5.55 -41.29	132.11 5.71 -41.13	140.44 6.74 -48.35	137.14 7.71 -40.83	147.70 7.80 -50.27	167.01 7.80 -70.51	156.99 7.99 -60.22	153.78 8.06 -57.11	155.49 7.87 -60.20	159.78 8.13 -62.35	173.06 10.97 -24.98	188.68 12.13 -21.05	245.05 16.42 -0.63	226.55 14.88 -2.02	222.62 14.77 -2.67	193.76 11.95 -15.85	169.42 10.34 -21.25	175.80 10.60 -15.85	172.39 10.52 0.00
POMONA___ESR 323819	139.24 5.10 -51.89	139.92 5.00 -50.22	143.07 4.73 -55.36	135.10 4.84 -45.24	129.95 4.84 -40.10	130.14 5.12 -39.67	139.69 5.29 -49.13	137.72 6.06 -46.31	134.60 6.92 -39.08	144.81 7.00 -48.18	163.25 6.92 -67.64	153.52 7.01 -57.72	150.34 7.00 -54.73	151.97 6.82 -57.73	156.16 7.05 -59.80	170.73 9.74 -23.89	186.44 10.88 -20.06	244.14 15.51 -0.62	225.43 13.83 -1.95	221.50 13.75 -2.57	192.27 11.12 -15.19	167.28 9.09 -20.36	173.95 9.41 -15.19	171.42 9.55 0.00
PORT_JEFF_3 23555	147.12 9.13 -55.74	147.49 8.81 -53.98	148.69 8.05 -57.66	140.71 8.58 -47.12	135.52 8.76 -41.76	138.15 9.39 -43.41	147.50 9.38 -52.85	147.57 10.32 -51.90	148.01 11.34 -48.06	152.64 10.93 -52.07	175.61 9.58 -77.34	168.25 9.77 -69.70	163.24 9.30 -65.33	164.67 9.01 -68.25	169.60 9.11 -71.19	182.22 13.03 -32.08	198.63 15.25 -27.88	255.74 20.29 -7.45	218.92 19.27 10.00	217.30 18.67 6.54	198.85 14.61 -18.28	173.40 11.71 -23.86	161.87 13.29 0.76	161.50 14.57 14.94



PORT_JEFF_4 23616	147.12 9.13 -55.74	147.49 8.81 -53.98	148.69 8.05 -57.66	140.71 8.58 -47.12	135.52 8.76 -41.76	138.15 9.39 -43.41	147.50 9.38 -52.85	147.57 10.32 -51.90	148.01 11.34 -48.06	152.64 10.93 -52.07	175.61 9.58 -77.34	168.25 9.77 -69.70	163.24 9.30 -65.33	164.67 9.01 -68.25	169.60 9.11 -71.19	182.22 13.03 -32.08	198.63 15.25 -27.88	255.74 20.29 -7.45	218.92 19.27 10.00	217.30 18.67 6.54	198.85 14.61 -18.28	173.40 11.71 -23.86	161.87 13.29 0.76	161.50 14.57 14.94
PORT_JEFF_IC 23713	147.25 9.21 -55.79	147.71 8.98 -54.03	148.77 8.13 -57.66	140.80 8.67 -47.12	135.61 8.84 -41.76	138.39 9.56 -43.48	147.72 9.55 -52.91	147.71 10.41 -51.95	148.24 11.52 -48.11	152.88 11.11 -52.13	175.62 9.40 -77.53	168.52 9.77 -69.97	163.65 9.48 -65.56	165.15 9.27 -68.47	170.20 9.47 -71.44	182.82 13.44 -32.28	199.44 15.86 -28.07	255.71 20.06 -7.64	217.93 18.03 9.74	217.52 18.67 6.33	199.25 14.77 -18.52	174.27 12.27 -24.18	162.44 13.74 0.64	159.96 12.95 14.86
PPL_PILGRIM_ST_GT1 24216	147.66 9.37 -56.04	148.05 9.07 -54.28	148.94 8.30 -57.66	140.89 8.76 -47.12	135.69 8.92 -41.76	138.69 9.56 -43.78	148.05 9.63 -53.15	148.02 10.50 -52.18	148.58 11.60 -48.37	153.32 11.29 -52.39	177.61 10.46 -78.46	170.69 10.65 -71.26	165.65 10.36 -66.68	166.60 9.62 -69.57	171.94 10.00 -72.64	184.75 14.39 -33.25	201.30 16.80 -29.00	259.84 23.27 -8.57	222.88 21.80 8.56	220.54 20.71 5.35	201.87 16.43 -19.48	176.51 13.23 -25.45	163.56 14.48 0.27	163.24 15.87 14.51
PPL_PILGRIM_ST_GT2 24217	147.66 9.37 -56.04	148.05 9.07 -54.28	148.94 8.30 -57.66	140.89 8.76 -47.12	135.69 8.92 -41.76	138.69 9.56 -43.78	148.05 9.63 -53.15	148.02 10.50 -52.18	148.58 11.60 -48.37	153.32 11.29 -52.39	177.61 10.46 -78.46	170.69 10.65 -71.26	165.65 10.36 -66.68	166.60 9.62 -69.57	171.94 10.00 -72.64	184.75 14.39 -33.25	201.30 16.80 -29.00	259.84 23.27 -8.57	222.88 21.80 8.56	220.54 20.71 5.35	201.87 16.43 -19.48	176.51 13.23 -25.45	163.56 14.48 0.27	163.24 15.87 14.51
PPL_SHRM_GT3 24213	147.88 9.87 -55.76	148.27 9.57 -54.00	149.35 8.71 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.20 10.41 -43.44	148.45 10.31 -52.88	148.53 11.27 -51.92	149.00 12.31 -48.08	153.75 12.02 -52.10	177.10 11.00 -77.42	169.78 11.19 -69.81	165.02 10.98 -65.42	166.24 10.49 -68.34	171.48 10.89 -71.29	185.17 15.90 -32.16	202.11 18.65 -27.96	260.61 25.08 -7.53	223.22 23.48 9.90	220.88 22.17 6.46	201.75 17.42 -18.37	175.87 14.07 -23.97	163.69 15.08 0.73	163.63 16.68 14.91
PPL_SHRM_GT4 24214	147.88 9.87 -55.76	148.27 9.57 -54.00	149.35 8.71 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.20 10.41 -43.44	148.45 10.31 -52.88	148.53 11.27 -51.92	149.00 12.31 -48.08	153.75 12.02 -52.10	177.10 11.00 -77.42	169.78 11.19 -69.81	165.02 10.98 -65.42	166.24 10.49 -68.34	171.48 10.89 -71.29	185.17 15.90 -32.16	202.11 18.65 -27.96	260.61 25.08 -7.53	223.22 23.48 9.90	220.88 22.17 6.46	201.75 17.42 -18.37	175.87 14.07 -23.97	163.69 15.08 0.73	163.63 16.68 14.91
PROJECT___ORANGE 1 24174	86.80 -0.58 -5.13	88.99 -0.68 -4.96	87.87 -0.58 -5.47	88.80 -0.68 -4.47	88.29 -0.68 -3.96	88.84 -0.43 -3.92	89.70 -0.43 -4.86	87.97 -0.43 -3.05	88.85 -0.09 -0.33	91.32 0.00 -1.68	92.55 -0.09 -3.94	91.38 -0.09 -2.68	90.83 -0.09 -2.31	89.95 -0.35 -2.88	92.43 -0.09 -3.22	135.74 -1.37 0.00	154.42 -1.09 0.00	225.50 -2.51 0.00	206.50 -3.14 0.00	201.89 -3.28 0.00	163.31 -2.66 0.00	135.37 -2.48 -0.02	146.66 -2.69 0.00	159.12 -2.75 0.00
PROJECT___ORANGE 2 24166	86.80 -0.58 -5.13	88.99 -0.68 -4.96	87.87 -0.58 -5.47	88.80 -0.68 -4.47	88.29 -0.68 -3.96	88.84 -0.43 -3.92	89.70 -0.43 -4.86	87.97 -0.43 -3.05	88.85 -0.09 -0.33	91.32 0.00 -1.68	92.55 -0.09 -3.94	91.38 -0.09 -2.68	90.83 -0.09 -2.31	89.95 -0.35 -2.88	92.43 -0.09 -3.22	135.74 -1.37 0.00	154.42 -1.09 0.00	225.50 -2.51 0.00	206.50 -3.14 0.00	201.89 -3.28 0.00	163.31 -2.66 0.00	135.37 -2.48 -0.02	146.66 -2.69 0.00	159.12 -2.75 0.00
PUCKETT___SOLAR 323809	102.56 2.06 -18.25	104.56 2.20 -17.66	104.61 2.15 -19.47	103.13 2.21 -15.91	101.32 2.21 -14.10	101.95 2.65 -13.95	105.19 2.65 -17.28	107.56 2.65 -19.56	109.92 3.10 -18.22	113.13 3.05 -20.45	118.18 2.92 -26.57	115.40 2.93 -23.69	114.32 2.92 -22.79	113.29 2.62 -23.26	116.04 3.04 -23.70	152.93 4.11 -11.72	172.09 5.29 -11.29	234.66 6.38 -0.28	215.34 4.83 -0.87	211.04 4.72 -1.14	176.03 3.32 -6.75	149.35 2.48 -9.03	159.53 3.44 -6.75	165.60 3.73 0.00
PYRITES___HYD 24023	81.18 -1.07 0.00	83.85 -0.85 0.00	82.07 -0.91 0.00	84.41 -0.60 0.00	84.07 -0.94 0.00	83.56 -1.79 0.00	83.05 -2.22 0.00	83.13 -2.22 0.00	85.33 -3.28 0.00	85.51 -4.12 0.00	85.59 -3.10 0.00	85.59 -3.20 0.00	85.42 -3.19 0.00	85.49 -1.92 0.00	86.00 -3.30 0.00	135.19 -1.92 0.00	153.48 -2.02 0.00	226.87 -1.14 0.00	208.60 -1.05 0.00	203.94 -1.23 0.00	164.97 -1.00 0.00	137.83 0.00 0.00	149.94 0.60 0.00	163.00 1.13 0.00
QUAKERRD_115KV_BK1 80622	86.01 -2.80 -6.56	88.00 -3.05 -6.34	86.99 -2.99 -6.99	87.49 -3.23 -5.72	86.84 -3.23 -5.07	87.46 -2.90 -5.01	88.40 -3.07 -6.21	85.66 -3.58 -3.90	85.75 -3.28 -0.42	88.38 -3.41 -2.15	90.19 -3.55 -5.04	88.66 -3.55 -3.42	88.02 -3.54 -2.96	87.34 -3.76 -3.69	89.85 -3.57 -4.12	128.74 -8.36 0.00	146.80 -8.71 0.00	213.27 -14.82 -0.08	196.06 -13.84 -0.26	191.56 -13.95 -0.34	156.35 -11.62 -2.00	130.45 -10.06 -2.68	140.89 -10.45 -2.00	151.35 -10.52 0.00
QUENSBRY_115KV_TB8 356137	156.87 6.50 -68.12	157.41 6.78 -65.94	162.31 6.64 -72.69	151.04 6.63 -59.40	144.37 6.72 -52.64	144.26 6.83 -52.09	156.68 6.91 -64.51	300.64 5.21 -210.08	324.16 5.76 -229.79	292.84 5.83 -197.38	284.62 6.03 -189.90	299.79 6.30 -204.70	302.68 6.29 -207.78	278.42 6.12 -184.88	270.32 6.34 -174.68	314.81 9.46 -168.24	386.76 11.51 -219.74	247.43 16.64 -2.78	233.74 15.30 -8.79	231.55 14.77 -11.60	250.07 15.60 -68.51	241.40 12.27 -91.30	230.85 12.99 -68.51	175.63 13.76 0.00
RAMAPO___LBMP 323565	138.85 4.85 -51.75	139.53 4.74 -50.09	142.68 4.48 -55.22	134.72 4.59 -45.12	129.59 4.59 -39.99	129.78 4.86 -39.57	139.30 5.03 -49.00	137.24 5.72 -46.17	134.20 6.65 -38.95	144.31 6.63 -48.04	162.70 6.56 -67.44	153.00 6.66 -57.55	149.82 6.65 -54.57	151.45 6.47 -57.56	155.63 6.70 -59.63	170.10 9.19 -23.81	185.59 10.11 -19.98	242.53 13.91 -0.62	223.96 12.37 -1.95	220.06 12.31 -2.57	190.93 9.79 -15.18	166.72 8.55 -20.34	173.33 8.81 -15.18	170.77 8.90 0.00
RANKINE____ 23646	87.98 -3.45 -9.18	89.86 -3.73 -8.89	89.05 -3.73 -9.80	88.85 -4.17 -8.01	88.11 -4.00 -7.10	89.13 -3.24 -7.02	89.87 -4.09 -8.70	85.35 -5.46 -5.46	89.07 -5.14 -5.60	92.02 -5.65 -8.03	94.74 -6.03 -12.08	92.65 -5.95 -9.81	91.83 -5.94 -9.16	91.48 -6.12 -10.18	94.19 -5.89 -10.78	128.96 -10.97 -2.82	144.31 -11.20 0.00	206.69 -21.43 -0.12	189.05 -20.96 -0.37	185.56 -20.11 -0.49	153.91 -14.94 -2.89	126.53 -15.16 -3.86	139.38 -12.84 -2.89	149.89 -11.98 0.00
RAVENSWOOD_GT2_1 24244	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.90 7.98 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	188.85 12.28 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00



RAVENSWOOD_GT2_2 24245	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.90 7.98 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	188.85 12.28 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT2_3 24246	142.12 5.84 -54.03	142.67 5.67 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.17 8.17 -60.22	153.87 8.15 -57.11	155.67 8.04 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.71 10.61 -21.27	176.26 11.05 -15.87	173.04 11.17 0.00
RAVENSWOOD_GT2_4 24247	142.12 5.84 -54.03	142.67 5.67 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.17 8.17 -60.22	153.87 8.15 -57.11	155.67 8.04 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.71 10.61 -21.27	176.26 11.05 -15.87	173.04 11.17 0.00
RAVENSWOOD_GT3_1 24248	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	188.85 12.28 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT3_2 24249	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	188.85 12.28 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT3_3 24250	142.20 5.92 -54.03	142.67 5.67 -52.30	145.94 5.31 -57.65	137.65 5.53 -47.12	132.29 5.53 -41.76	132.55 5.89 -41.31	142.49 6.05 -51.17	140.72 7.00 -48.37	137.52 8.06 -40.85	148.08 8.16 -50.29	167.28 8.07 -70.52	157.26 8.26 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	189.17 12.60 -21.06	245.75 17.10 -0.64	227.19 15.51 -2.04	223.25 15.39 -2.69	194.28 12.45 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.20 11.33 0.00
RAVENSWOOD_GT3_4 24251	142.20 5.92 -54.03	142.67 5.67 -52.30	145.94 5.31 -57.65	137.65 5.53 -47.12	132.29 5.53 -41.76	132.55 5.89 -41.31	142.49 6.05 -51.17	140.72 7.00 -48.37	137.52 8.06 -40.85	148.08 8.16 -50.29	167.28 8.07 -70.52	157.26 8.26 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	189.17 12.60 -21.06	245.75 17.10 -0.64	227.19 15.51 -2.04	223.25 15.39 -2.69	194.28 12.45 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.20 11.33 0.00
RAVENSWOOD_GT_1 23729	142.20 5.92 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.70 12.13 -21.06	245.07 16.42 -0.64	226.36 14.68 -2.04	222.43 14.57 -2.69	193.78 11.95 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
RAVENSWOOD_GT_10 24258	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT_11 24259	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT_4 24252	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.78 8.06 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.57 10.48 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT_5 24254	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.78 8.06 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.57 10.48 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT_6 24253	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.78 8.06 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.57 10.48 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT_7 24255	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.56 5.44 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.78 8.06 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.98 15.30 -2.04	223.05 15.18 -2.69	194.11 12.28 -15.87	169.57 10.48 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00



RAVENSWOOD_GT_9 24257	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.19 7.98 -70.52	157.08 8.08 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.22 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.52 16.87 -0.64	226.77 15.09 -2.04	222.84 14.98 -2.69	193.95 12.12 -15.87	169.71 10.61 -21.27	176.12 10.90 -15.87	172.88 11.01 0.00
RAVENSWOOD___1 23533	142.21 5.93 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.47 5.81 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.98 -40.85	148.00 8.07 -50.29	167.36 8.15 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.36 11.49 0.00
RAVENSWOOD___2 23534	142.21 5.93 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.47 5.81 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.98 -40.85	148.00 8.07 -50.29	167.36 8.15 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.36 11.49 0.00
RAVENSWOOD___3 23535	142.12 5.84 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.47 5.81 -41.31	142.40 5.97 -51.17	140.63 6.91 -48.37	137.43 7.98 -40.85	148.00 8.07 -50.29	167.28 8.07 -70.52	157.17 8.16 -60.22	153.87 8.15 -57.11	155.58 7.95 -60.21	159.87 8.21 -62.35	173.35 11.25 -25.00	189.47 12.90 -21.06	246.66 18.01 -0.64	227.82 16.14 -2.03	223.87 16.01 -2.68	194.75 12.95 -15.84	169.67 10.61 -21.22	176.08 10.90 -15.84	173.03 11.16 0.00
RAVENSWOOD___4 23820	142.21 5.93 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.21 5.45 -41.76	132.47 5.81 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.98 -40.85	148.00 8.07 -50.29	167.36 8.15 -70.52	157.17 8.16 -60.22	153.96 8.24 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.48 11.37 -25.00	189.63 13.06 -21.06	246.66 18.01 -0.64	228.04 16.36 -2.03	224.06 16.21 -2.68	194.91 13.11 -15.84	169.81 10.76 -21.22	176.39 11.21 -15.84	173.36 11.49 0.00
RCPI_TRUST___DRP 24196	142.28 6.00 -54.02	142.83 5.84 -52.29	146.10 5.48 -57.64	137.73 5.61 -47.11	132.37 5.61 -41.75	132.63 5.97 -41.30	142.65 6.22 -51.16	140.88 7.17 -48.36	137.60 8.15 -40.84	148.16 8.25 -50.28	167.35 8.16 -70.50	157.34 8.35 -60.21	154.04 8.33 -57.10	155.74 8.13 -60.19	160.04 8.39 -62.34	173.62 11.52 -24.99	189.32 12.75 -21.06	246.21 17.56 -0.64	227.40 15.72 -2.04	223.46 15.59 -2.69	194.44 12.61 -15.87	169.98 10.89 -21.26	176.41 11.20 -15.87	173.20 11.33 0.00
RED___ROCHESTER 323720	88.19 -0.82 -6.76	90.14 -1.10 -6.55	89.04 -1.16 -7.22	89.54 -1.36 -5.90	88.87 -1.36 -5.23	89.58 -0.94 -5.17	90.48 -1.19 -6.41	87.49 -1.88 -4.02	91.19 -1.42 -4.00	93.81 -1.61 -5.79	95.69 -1.77 -8.77	94.11 -1.78 -7.10	93.45 -1.77 -6.62	92.86 -1.92 -7.37	95.42 -1.70 -7.82	133.22 -5.89 -2.01	148.98 -6.53 0.00	216.23 -11.87 -0.09	198.32 -11.32 0.00	193.89 -11.28 0.00	156.17 -9.79 0.00	130.14 -7.72 -0.02	141.57 -7.77 0.00	154.10 -7.77 0.00
REGAN___SOLAR 323812	161.72 6.50 -72.97	162.11 6.78 -70.63	167.48 6.64 -77.86	155.35 6.71 -63.63	148.11 6.71 -56.39	148.05 6.91 -55.79	161.36 6.99 -69.10	301.32 6.91 -209.06	320.42 7.44 -224.37	291.11 7.08 -194.40	285.79 7.18 -189.92	298.94 7.37 -202.79	301.13 7.17 -205.35	278.28 7.17 -183.69	271.03 7.59 -174.14	313.64 12.48 -164.06	385.59 15.40 -214.69	253.33 22.58 -2.75	239.09 20.76 -8.69	236.75 20.12 -11.46	249.40 15.77 -67.66	240.84 12.82 -90.18	230.73 13.73 -67.66	176.12 14.25 0.00
RENSSELAER___COGEN 23796	151.80 3.79 -65.77	152.26 3.90 -63.66	156.98 3.82 -70.18	146.19 3.83 -57.35	139.75 3.91 -50.83	139.56 3.93 -50.29	151.47 3.92 -62.28	225.55 4.35 -135.85	235.05 4.69 -141.75	224.93 4.93 -130.36	231.15 4.52 -137.94	233.06 4.53 -139.75	232.71 4.52 -139.59	221.47 4.54 -129.51	219.14 4.37 -125.46	243.60 5.49 -101.00	286.78 5.91 -125.37	237.88 8.20 -1.67	222.26 7.33 -5.28	219.52 7.38 -6.97	213.26 6.14 -41.16	197.86 5.10 -54.92	196.63 6.13 -41.16	168.67 6.80 0.00
REPUBLIC_115KV_BARTNBRK 55605	160.12 9.79 -68.08	160.76 10.16 -65.89	165.66 10.04 -72.64	154.40 10.03 -59.36	147.82 10.20 -52.61	147.81 10.41 -52.05	160.30 10.57 -64.47	303.72 9.05 -209.33	327.44 9.92 -228.91	296.38 10.04 -196.70	288.52 10.47 -189.36	303.74 10.92 -204.03	306.51 10.81 -207.09	282.22 10.49 -184.31	274.28 10.81 -174.17	321.40 16.73 -167.57	394.68 20.37 -218.80	260.64 29.87 -2.77	245.65 27.25 -8.75	242.99 26.26 -11.55	258.39 24.23 -68.20	247.60 18.88 -90.88	237.70 20.16 -68.20	183.24 21.37 0.00
REVERE_CPDR_DRP 24186	87.54 2.55 -2.74	90.24 2.88 -2.66	88.73 2.82 -2.93	90.38 2.98 -2.39	90.10 2.98 -2.12	90.86 3.41 -2.10	91.45 3.58 -2.60	90.65 3.67 -1.63	92.95 4.16 -0.18	94.93 4.39 -0.90	95.41 4.61 -2.11	94.75 4.53 -1.43	94.27 4.43 -1.24	93.07 4.11 -1.54	95.31 4.29 -1.72	143.14 6.03 0.00	162.66 7.15 0.00	238.50 10.49 0.00	218.24 8.60 0.00	213.79 8.62 0.00	172.60 6.64 0.00	142.94 5.10 -0.01	154.87 5.53 0.00	168.02 6.15 0.00
REYNOLDS_115KV_TB3 80639	152.43 4.28 -65.90	152.89 4.40 -63.79	157.61 4.31 -70.32	146.81 4.34 -57.46	140.27 4.34 -50.93	140.17 4.44 -50.39	152.10 4.43 -62.40	241.32 5.38 -150.60	253.82 5.85 -159.37	239.29 6.01 -143.65	242.49 5.76 -148.03	247.02 5.68 -152.55	247.34 5.67 -153.07	233.38 5.59 -140.37	229.98 5.63 -135.05	259.14 7.54 -114.49	307.98 8.09 -144.38	239.86 10.03 -1.82	224.62 9.22 -5.75	221.79 9.03 -7.59	217.92 7.14 -44.82	203.69 6.06 -59.79	201.03 6.87 -44.82	169.64 7.77 0.00
RIVERBAY____ 323610	142.70 6.42 -54.03	143.01 6.01 -52.30	146.19 5.56 -57.65	137.90 5.78 -47.12	132.63 5.87 -41.76	132.81 6.15 -41.31	142.74 6.31 -51.17	141.06 7.34 -48.37	137.87 8.42 -40.85	148.44 8.52 -50.29	167.72 8.51 -70.52	157.71 8.70 -60.22	154.67 8.95 -57.11	156.45 8.83 -60.21	160.50 8.84 -62.35	174.17 12.07 -25.00	189.48 12.91 -21.06	245.98 17.33 -0.64	227.19 15.51 -2.04	223.25 15.39 -2.69	194.44 12.61 -15.87	170.68 11.58 -21.27	177.31 12.10 -15.87	174.82 12.95 0.00
RIVERSIDE_115KV_TB3 55908	152.41 4.11 -66.05	152.87 4.23 -63.93	157.61 4.15 -70.48	146.77 4.17 -57.60	140.22 4.17 -51.04	140.12 4.27 -50.50	152.07 4.26 -62.54	239.77 4.95 -149.47	251.88 5.32 -157.96	237.84 5.56 -142.65	241.38 5.32 -147.37	245.64 5.24 -151.62	245.90 5.23 -152.07	232.18 5.16 -139.61	228.80 5.09 -134.41	257.23 6.72 -113.40	305.47 7.15 -142.81	239.42 9.58 -1.84	224.05 8.60 -5.81	221.45 8.62 -7.66	217.67 6.47 -45.24	203.97 5.79 -60.35	201.30 6.72 -45.24	169.32 7.45 0.00
ROARING___BROOK_WT_PWR 323790	81.35 -0.90 0.00	83.94 -0.76 0.00	82.40 -0.58 0.00	84.50 -0.51 0.00	84.58 -0.42 0.00	84.84 -0.51 0.00	84.76 -0.51 0.00	84.84 -0.51 0.00	87.99 -0.62 0.00	88.91 -0.72 0.00	88.16 -0.53 0.00	88.26 -0.53 0.00	88.08 -0.53 0.00	86.90 -0.52 0.00	88.58 -0.72 0.00	136.42 -0.68 0.00	154.43 -1.08 0.00	226.42 -1.58 0.00	208.19 -1.46 0.00	203.53 -1.65 0.00	164.63 -1.33 0.00	136.87 -0.96 0.00	148.31 -1.04 0.00	160.74 -1.13 0.00



ROCHESRG_115KV_T4 355643	87.32 -1.64 -6.71	89.25 -1.95 -6.50	88.23 -1.91 -7.16	88.65 -2.21 -5.85	88.07 -2.13 -5.19	88.78 -1.71 -5.13	89.58 -2.05 -6.36	86.61 -2.73 -3.99	90.18 -2.39 -3.97	92.78 -2.60 -5.74	94.55 -2.84 -8.70	92.90 -2.93 -7.04	92.33 -2.84 -6.56	91.67 -3.06 -7.31	94.20 -2.86 -7.75	131.42 -7.68 -1.99	147.73 -7.78 0.00	214.41 -13.68 -0.09	196.91 -13.00 -0.27	192.39 -13.13 -0.35	157.22 -10.79 -2.05	131.20 -9.37 -2.74	141.83 -9.56 -2.05	152.48 -9.39 0.00
ROCHESTER_9_IC 23652	87.78 -1.23 -6.76	89.72 -1.52 -6.55	88.70 -1.49 -7.22	89.21 -1.70 -5.90	88.53 -1.70 -5.23	89.24 -1.28 -5.17	90.05 -1.62 -6.41	87.07 -2.30 -4.02	90.75 -1.86 -4.00	93.36 -2.06 -5.79	95.16 -2.31 -8.77	93.58 -2.31 -7.10	92.92 -2.30 -6.62	92.34 -2.45 -7.37	94.89 -2.23 -7.82	132.39 -6.72 -2.01	148.82 -6.69 0.00	215.78 -12.31 -0.09	198.38 -11.53 -0.27	193.83 -11.69 -0.35	158.24 -9.79 -2.07	132.05 -8.55 -2.77	142.75 -8.66 -2.07	153.45 -8.42 0.00
ROCKVIEW_13_KV_LD 356306	142.20 5.92 -54.03	142.76 5.76 -52.30	146.02 5.39 -57.65	137.65 5.53 -47.11	132.29 5.53 -41.75	132.63 5.97 -41.31	142.48 6.05 -51.16	140.71 7.00 -48.36	137.43 7.97 -40.85	147.90 7.98 -50.29	167.19 7.98 -70.51	157.08 8.08 -60.22	153.78 8.06 -57.11	155.49 7.87 -60.20	159.78 8.13 -62.35	173.35 11.24 -25.00	189.01 12.44 -21.06	245.98 17.33 -0.64	227.19 15.51 -2.04	223.25 15.39 -2.69	194.11 12.28 -15.87	169.71 10.61 -21.27	176.11 10.90 -15.87	172.88 11.01 0.00
ROME____115KV_TB2 80656	87.54 2.55 -2.74	90.24 2.88 -2.66	88.73 2.82 -2.93	90.38 2.98 -2.39	90.10 2.98 -2.12	90.86 3.41 -2.10	91.45 3.58 -2.60	90.65 3.67 -1.63	92.95 4.16 -0.18	94.93 4.39 -0.90	95.41 4.61 -2.11	94.75 4.53 -1.43	94.27 4.43 -1.24	93.07 4.11 -1.54	95.31 4.29 -1.72	143.14 6.03 0.00	162.66 7.15 0.00	238.50 10.49 0.00	218.24 8.60 0.00	213.79 8.62 0.00	172.60 6.64 0.00	142.94 5.10 -0.01	154.87 5.53 0.00	168.02 6.15 0.00
ROSETON___1 23587	141.11 4.93 -53.93	141.81 4.91 -52.20	145.17 4.64 -57.55	136.79 4.76 -47.03	131.44 4.76 -41.68	131.62 5.03 -41.23	141.45 5.12 -51.07	138.73 5.72 -47.66	135.20 6.56 -40.04	145.82 6.54 -49.65	165.13 6.47 -69.97	154.84 6.48 -59.58	151.52 6.46 -56.45	153.36 6.30 -59.65	157.66 6.52 -61.84	170.40 8.91 -24.39	185.54 9.80 -20.23	242.32 13.68 -0.64	224.02 12.37 -2.01	220.14 12.31 -2.65	191.58 9.96 -15.66	167.09 8.27 -20.99	173.66 8.66 -15.66	170.77 8.90 0.00
ROSETON___2 23588	141.11 4.93 -53.93	141.81 4.91 -52.20	145.17 4.64 -57.55	136.79 4.76 -47.03	131.44 4.76 -41.68	131.62 5.03 -41.23	141.45 5.12 -51.07	138.73 5.72 -47.66	135.20 6.56 -40.04	145.82 6.54 -49.65	165.13 6.47 -69.97	154.84 6.48 -59.58	151.52 6.46 -56.45	153.36 6.30 -59.65	157.66 6.52 -61.84	170.40 8.91 -24.39	185.54 9.80 -20.23	242.32 13.68 -0.64	224.02 12.37 -2.01	220.14 12.31 -2.65	191.58 9.96 -15.66	167.09 8.27 -20.99	173.66 8.66 -15.66	170.77 8.90 0.00
ROTRDAM_115KV_TB3 80664	154.66 3.54 -68.88	155.01 3.64 -66.67	160.04 3.57 -73.49	148.72 3.66 -60.06	141.89 3.66 -53.23	141.77 3.76 -52.66	154.15 3.67 -65.22	311.61 3.58 -222.68	337.13 3.99 -244.54	302.29 3.94 -208.71	291.48 3.90 -198.88	308.54 4.00 -215.76	311.95 3.99 -219.36	285.62 3.85 -194.36	276.56 4.11 -183.15	322.34 5.76 -179.48	397.83 6.84 -235.49	241.03 10.03 -2.99	228.12 9.01 -9.46	226.48 8.82 -12.49	247.16 7.47 -73.73	242.13 6.06 -98.24	229.49 6.42 -73.73	168.67 6.80 0.00
RUSSELL___1 23602	88.19 -0.82 -6.76	90.15 -1.10 -6.55	89.04 -1.16 -7.22	89.55 -1.36 -5.90	88.88 -1.36 -5.23	89.58 -0.94 -5.17	90.48 -1.19 -6.41	87.49 -1.88 -4.02	91.19 -1.42 -4.00	93.81 -1.61 -5.79	95.69 -1.77 -8.77	94.11 -1.78 -7.10	93.45 -1.77 -6.62	92.87 -1.92 -7.37	95.42 -1.70 -7.82	133.22 -5.90 -2.01	149.60 -5.91 0.00	216.92 -11.17 -0.09	199.43 -10.48 -0.27	194.86 -10.67 -0.35	159.23 -8.80 -2.07	132.88 -7.72 -2.77	143.64 -7.77 -2.07	154.26 -7.61 0.00
RUSSELL___2 23532	88.19 -0.82 -6.76	90.15 -1.10 -6.55	89.04 -1.16 -7.22	89.55 -1.36 -5.90	88.88 -1.36 -5.23	89.58 -0.94 -5.17	90.48 -1.19 -6.41	87.49 -1.88 -4.02	91.19 -1.42 -4.00	93.81 -1.61 -5.79	95.69 -1.77 -8.77	94.11 -1.78 -7.10	93.45 -1.77 -6.62	92.87 -1.92 -7.37	95.42 -1.70 -7.82	133.22 -5.90 -2.01	149.60 -5.91 0.00	216.92 -11.17 -0.09	199.43 -10.48 -0.27	194.86 -10.67 -0.35	159.23 -8.80 -2.07	132.88 -7.72 -2.77	143.64 -7.77 -2.07	154.26 -7.61 0.00
RUSSELL___3 23549	88.19 -0.82 -6.76	90.15 -1.10 -6.55	89.04 -1.16 -7.22	89.55 -1.36 -5.90	88.88 -1.36 -5.23	89.58 -0.94 -5.17	90.48 -1.19 -6.41	87.49 -1.88 -4.02	91.19 -1.42 -4.00	93.81 -1.61 -5.79	95.69 -1.77 -8.77	94.11 -1.78 -7.10	93.45 -1.77 -6.62	92.87 -1.92 -7.37	95.42 -1.70 -7.82	133.22 -5.90 -2.01	149.60 -5.91 0.00	216.92 -11.17 -0.09	199.43 -10.48 -0.27	194.86 -10.67 -0.35	159.23 -8.80 -2.07	132.88 -7.72 -2.77	143.64 -7.77 -2.07	154.26 -7.61 0.00
RUSSELL___4 23556	88.19 -0.82 -6.76	90.15 -1.10 -6.55	89.04 -1.16 -7.22	89.55 -1.36 -5.90	88.88 -1.36 -5.23	89.58 -0.94 -5.17	90.48 -1.19 -6.41	87.49 -1.88 -4.02	91.19 -1.42 -4.00	93.81 -1.61 -5.79	95.69 -1.77 -8.77	94.11 -1.78 -7.10	93.45 -1.77 -6.62	92.87 -1.92 -7.37	95.42 -1.70 -7.82	133.22 -5.90 -2.01	149.60 -5.91 0.00	216.92 -11.17 -0.09	199.43 -10.48 -0.27	194.86 -10.67 -0.35	159.23 -8.80 -2.07	132.88 -7.72 -2.77	143.64 -7.77 -2.07	154.26 -7.61 0.00
RUSSELL___STATION 23914	88.19 -0.82 -6.76	90.15 -1.10 -6.55	89.04 -1.16 -7.22	89.55 -1.36 -5.90	88.88 -1.36 -5.23	89.58 -0.94 -5.17	90.48 -1.19 -6.41	87.49 -1.88 -4.02	91.19 -1.42 -4.00	93.81 -1.61 -5.79	95.69 -1.77 -8.77	94.11 -1.78 -7.10	93.45 -1.77 -6.62	92.87 -1.92 -7.37	95.42 -1.70 -7.82	133.22 -5.90 -2.01	149.60 -5.91 0.00	216.92 -11.17 -0.09	199.43 -10.48 -0.27	194.86 -10.67 -0.35	159.23 -8.80 -2.07	132.88 -7.72 -2.77	143.64 -7.77 -2.07	154.26 -7.61 0.00
S SALMON___HYD 24043	85.16 -0.82 -3.74	87.47 -0.85 -3.62	86.14 -0.83 -3.99	87.42 -0.85 -3.26	86.88 -1.02 -2.89	87.44 -0.77 -2.86	88.21 -0.59 -3.54	87.15 -0.42 -2.22	88.67 -0.18 -0.24	90.86 0.00 -1.23	91.57 0.00 -2.87	90.65 -0.09 -1.95	89.94 -0.35 -1.68	88.91 -0.61 -2.10	91.20 -0.44 -2.35	135.60 -1.51 0.00	154.26 -1.25 0.00	226.18 -1.83 0.00	207.75 -1.89 0.00	203.32 -1.85 0.00	163.98 -1.98 0.00	136.05 -1.80 -0.01	147.56 -1.79 0.00	159.76 -2.11 0.00
S.PERRY__115KV_TB1 80734	93.15 1.32 -9.58	95.08 1.10 -9.28	94.28 1.08 -10.23	94.30 0.94 -8.36	93.43 1.02 -7.41	94.30 1.62 -7.33	95.88 1.53 -9.07	92.07 1.02 -5.69	96.08 1.59 -5.88	99.12 1.08 -8.41	101.86 0.53 -12.64	99.50 0.44 -10.27	98.64 0.44 -10.65	98.07 0.00 -10.65	101.03 0.45 -11.29	138.42 -1.65 -2.96	155.82 0.31 0.00	226.31 -1.82 -0.12	207.73 -2.31 -0.39	203.02 -2.67 -0.51	166.84 -2.16 -3.03	138.45 -3.45 -4.06	149.54 -2.84 -3.03	159.77 -2.10 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	87.34 -3.70 -8.79	89.15 -4.07 -8.51	88.38 -3.98 -9.38	88.26 -4.42 -7.67	87.55 -4.25 -6.80	88.49 -3.58 -6.72	89.07 -4.52 -8.33	84.60 -5.97 -5.23	88.28 -5.67 -5.34	91.12 -6.18 -7.67	93.58 -6.65 -11.54	91.59 -6.57 -9.38	90.80 -6.56 -8.75	90.41 -6.73 -9.73	93.09 -6.52 -10.30	126.77 -13.03 -2.69	141.82 -13.68 0.00	203.49 -24.62 -0.11	186.51 -23.48 -0.35	182.86 -22.77 -0.46	151.12 -17.59 -2.75	124.84 -16.68 -3.69	136.86 -15.23 -2.75	147.62 -14.24 0.00



SAWYER___23_KV_LOAD 55526	87.34 -3.70 -8.79	89.15 -4.07 -8.51	88.38 -3.98 -9.38	88.26 -4.42 -7.67	87.55 -4.25 -6.80	88.49 -3.58 -6.72	89.07 -4.52 -8.33	84.60 -5.97 -5.23	88.28 -5.67 -5.34	91.12 -6.18 -7.67	93.58 -6.65 -11.54	91.59 -6.57 -9.38	90.80 -6.56 -8.75	90.41 -6.73 -9.73	93.09 -6.52 -10.30	126.77 -13.03 -2.69	141.82 -13.68 0.00	203.49 -24.62 -0.11	186.51 -23.48 -0.35	182.86 -22.77 -0.46	151.12 -17.59 -2.75	124.84 -16.68 -3.69	136.86 -15.23 -2.75	147.62 -14.24 0.00
SELKIRK___I 23801	150.86 3.79 -64.82	151.42 3.98 -62.74	156.05 3.90 -69.17	145.53 4.00 -56.52	139.10 4.00 -50.09	138.92 4.01 -49.56	150.57 3.92 -61.38	194.29 3.84 -105.10	198.03 4.17 -105.26	196.45 4.21 -102.60	209.13 3.99 -116.44	205.64 4.00 -112.86	203.94 3.99 -111.34	198.03 4.02 -106.59	198.42 4.02 -105.09	215.73 5.49 -73.14	247.83 6.06 -86.26	238.22 8.88 -1.33	222.02 8.17 -4.20	218.72 7.99 -5.55	205.52 6.81 -32.75	187.09 5.52 -43.74	188.36 6.27 -32.75	168.98 7.11 0.00
SELKIRK___II 23799	151.23 3.53 -65.45	151.69 3.64 -63.35	156.38 3.57 -69.83	145.73 3.65 -57.07	139.24 3.65 -50.58	139.14 3.75 -50.04	150.90 3.66 -61.97	200.33 3.84 -111.13	205.05 4.17 -112.28	202.04 4.30 -108.10	213.74 4.08 -120.96	211.16 4.09 -118.28	209.68 4.08 -116.99	202.73 4.02 -111.29	202.66 4.02 -109.34	220.76 5.21 -78.45	254.86 5.76 -93.60	237.60 8.20 -1.40	221.40 7.33 -4.42	218.39 7.38 -5.84	206.57 6.14 -34.46	188.81 4.95 -46.02	189.63 5.82 -34.46	168.35 6.48 0.00
SENECA OSWGO___HYD 24041	84.79 -1.57 -4.11	86.98 -1.69 -3.98	85.71 -1.66 -4.39	86.89 -1.70 -3.58	86.39 -1.79 -3.18	86.96 -1.53 -3.14	87.63 -1.53 -3.89	86.34 -1.45 -2.44	87.63 -1.24 -0.26	89.91 -1.07 -1.35	90.61 -1.24 -3.16	89.69 -1.24 -2.15	89.04 -1.42 -1.85	88.16 -1.57 -2.31	90.45 -1.43 -2.58	133.81 -3.29 0.00	152.08 -3.42 0.00	222.32 -5.69 0.00	204.83 -4.81 0.00	200.25 -4.93 0.00	161.82 -4.14 0.00	134.26 -3.58 -0.01	145.46 -3.88 0.00	157.66 -4.21 0.00
SENECA___115KV_TB3 355854	88.06 -3.37 -9.18	89.95 -3.64 -8.89	89.21 -3.57 -9.80	89.02 -4.00 -8.01	88.28 -3.83 -7.10	89.21 -3.16 -7.02	90.04 -3.92 -8.70	85.52 -5.29 -5.46	89.16 -5.05 -5.60	92.20 -5.47 -8.03	94.92 -5.85 -12.08	92.74 -5.86 -9.81	92.00 -5.76 -9.16	91.65 -5.94 -10.18	94.37 -5.72 -10.78	129.23 -10.69 -2.82	144.62 -10.89 0.00	206.92 -21.20 -0.12	189.26 -20.75 -0.37	185.97 -19.70 -0.49	154.08 -14.77 -2.89	126.67 -15.02 -3.86	139.53 -12.69 -2.89	150.21 -11.65 0.00
SENECA___ENERGY 23797	89.79 0.33 -7.21	91.85 0.17 -6.98	90.84 0.17 -7.70	91.38 0.09 -6.29	90.67 0.09 -5.57	91.47 0.60 -5.51	92.70 0.60 -6.83	90.06 0.43 -4.29	93.84 0.89 -4.35	96.79 0.90 -6.25	98.83 0.71 -9.43	97.15 0.71 -7.66	96.28 0.53 -7.14	95.71 0.35 -7.94	98.43 0.71 -8.42	138.88 -0.41 -2.19	155.35 -0.16 0.00	224.23 -3.88 -0.09	205.10 -4.81 -0.27	200.41 -5.12 -0.36	163.76 -4.32 -2.11	137.22 -3.44 -2.83	148.17 -3.29 -2.11	158.31 -3.56 0.00
SHOEMAKER___GT 23640	135.68 4.19 -49.24	136.51 4.15 -47.66	139.50 3.98 -52.54	132.02 4.08 -42.94	127.06 4.00 -38.05	127.26 4.27 -37.65	136.24 4.35 -46.63	134.14 4.95 -43.84	131.25 5.68 -36.97	140.93 5.65 -45.64	158.41 5.59 -64.12	149.08 5.60 -54.70	146.05 5.59 -51.85	147.55 5.42 -54.72	151.72 5.72 -56.69	167.50 7.81 -22.58	183.26 8.86 -18.89	240.90 12.30 -0.59	222.60 11.10 -1.85	218.48 10.87 -2.44	189.16 8.79 -14.41	164.44 7.30 -19.31	171.36 7.61 -14.41	169.64 7.77 0.00
SHOEMAKR_138KV_BK 111 55601	135.36 4.19 -48.91	136.19 4.15 -47.34	139.07 3.90 -52.19	131.66 4.00 -42.65	126.80 4.00 -37.80	127.02 4.27 -37.40	135.93 4.35 -46.32	133.83 4.95 -43.53	130.98 5.67 -36.70	140.61 5.65 -45.33	157.97 5.59 -63.69	148.70 5.59 -54.32	145.69 5.58 -51.50	147.27 5.51 -54.34	151.33 5.72 -56.31	167.34 7.82 -22.41	182.96 8.71 -18.74	240.45 11.86 -0.58	221.97 10.48 -1.84	218.07 10.46 -2.43	188.77 8.46 -14.35	164.36 7.31 -19.22	171.31 7.62 -14.35	169.48 7.61 0.00
SHOREHAM_IC_1 23715	147.88 9.87 -55.76	148.27 9.57 -54.00	149.35 8.71 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.20 10.41 -43.44	148.45 10.31 -52.88	148.53 11.27 -51.92	149.00 12.31 -48.08	153.75 12.02 -52.10	177.10 11.00 -77.42	169.78 11.19 -69.81	165.02 10.98 -65.42	166.24 10.49 -68.34	171.48 10.89 -71.29	185.17 15.90 -32.16	202.11 18.65 -27.96	260.61 25.08 -7.53	223.22 23.48 9.90	220.88 22.17 6.46	201.75 17.42 -18.37	175.87 14.07 -23.97	163.69 15.08 0.73	163.63 16.68 14.91
SHOREHAM_IC_2 23716	147.88 9.87 -55.76	148.27 9.57 -54.00	149.35 8.71 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.20 10.41 -43.44	148.45 10.31 -52.88	148.53 11.27 -51.92	149.00 12.31 -48.08	153.75 12.02 -52.10	177.10 11.00 -77.42	169.78 11.19 -69.81	165.02 10.98 -65.42	166.24 10.49 -68.34	171.48 10.89 -71.29	185.17 15.90 -32.16	202.11 18.65 -27.96	260.61 25.08 -7.53	223.22 23.48 9.90	220.88 22.17 6.46	201.75 17.42 -18.37	175.87 14.07 -23.97	163.69 15.08 0.73	163.63 16.68 14.91
SISSONVILLE____ 23735	80.03 -2.22 0.00	82.58 -2.12 0.00	80.90 -2.07 0.00	83.14 -1.87 0.00	82.71 -2.30 0.00	82.02 -3.33 0.00	81.34 -3.92 0.00	81.42 -3.93 0.00	83.47 -5.14 0.00	83.72 -5.92 0.00	83.99 -4.70 0.00	83.90 -4.88 0.00	83.82 -4.78 0.00	83.83 -3.58 0.00	84.30 -5.00 0.00	132.03 -5.07 0.00	149.60 -5.91 0.00	220.94 -7.07 0.00	203.35 -6.29 0.00	198.81 -6.36 0.00	160.98 -4.98 0.00	135.07 -2.76 0.00	146.95 -2.39 0.00	160.09 -1.78 0.00
SITHE_IND_GS1 24169	82.54 -2.80 -3.09	84.81 -2.88 -2.99	83.45 -2.82 -3.30	84.72 -2.98 -2.69	84.42 -2.98 -2.39	84.90 -2.81 -2.36	85.38 -2.81 -2.93	84.45 -2.73 -1.84	86.06 -2.75 -0.20	87.96 -2.69 -1.01	88.23 -2.84 -2.38	87.55 -2.84 -1.61	87.16 -2.84 -1.39	86.27 -2.88 -1.74	88.38 -2.86 -1.94	131.76 -5.35 0.00	149.60 -5.91 0.00	219.11 -8.90 0.00	201.46 -8.18 0.00	197.17 -8.01 0.00	159.32 -6.64 0.00	132.32 -5.52 -0.01	143.37 -5.98 0.00	155.39 -6.48 0.00
SITHE_IND_GS2 24170	82.54 -2.80 -3.09	84.81 -2.88 -2.99	83.45 -2.82 -3.30	84.72 -2.98 -2.69	84.42 -2.98 -2.39	84.90 -2.81 -2.36	85.38 -2.81 -2.93	84.45 -2.73 -1.84	86.06 -2.75 -0.20	87.96 -2.69 -1.01	88.23 -2.84 -2.38	87.55 -2.84 -1.61	87.16 -2.84 -1.39	86.27 -2.88 -1.74	88.38 -2.86 -1.94	131.76 -5.35 0.00	149.60 -5.91 0.00	219.11 -8.90 0.00	201.46 -8.18 0.00	197.17 -8.01 0.00	159.32 -6.64 0.00	132.32 -5.52 -0.01	143.37 -5.98 0.00	155.39 -6.48 0.00
SITHE_IND_GS3 24171	82.54 -2.80 -3.09	84.81 -2.88 -2.99	83.45 -2.82 -3.30	84.72 -2.98 -2.69	84.42 -2.98 -2.39	84.90 -2.81 -2.36	85.38 -2.81 -2.93	84.45 -2.73 -1.84	86.06 -2.75 -0.20	87.96 -2.69 -1.01	88.23 -2.84 -2.38	87.55 -2.84 -1.61	87.16 -2.84 -1.39	86.27 -2.88 -1.74	88.38 -2.86 -1.94	131.76 -5.35 0.00	149.60 -5.91 0.00	219.11 -8.90 0.00	201.46 -8.18 0.00	197.17 -8.01 0.00	159.32 -6.64 0.00	132.32 -5.52 -0.01	143.37 -5.98 0.00	155.39 -6.48 0.00
SITHE_IND_GS4 24172	82.54 -2.80 -3.09	84.81 -2.88 -2.99	83.45 -2.82 -3.30	84.72 -2.98 -2.69	84.42 -2.98 -2.39	84.90 -2.81 -2.36	85.38 -2.81 -2.93	84.45 -2.73 -1.84	86.06 -2.75 -0.20	87.96 -2.69 -1.01	88.23 -2.84 -2.38	87.55 -2.84 -1.61	87.16 -2.84 -1.39	86.27 -2.88 -1.74	88.38 -2.86 -1.94	131.76 -5.35 0.00	149.60 -5.91 0.00	219.11 -8.90 0.00	201.46 -8.18 0.00	197.17 -8.01 0.00	159.32 -6.64 0.00	132.32 -5.52 -0.01	143.37 -5.98 0.00	155.39 -6.48 0.00



SITHE____BATAVIA 24024	88.17 -1.89 -7.81	89.97 -2.28 -7.56	89.07 -2.24 -8.33	89.18 -2.64 -6.81	88.41 -2.64 -6.03	89.36 -1.96 -5.97	90.10 -2.56 -7.39	86.32 -3.67 -4.64	90.11 -3.19 -4.69	92.71 -3.68 -6.76	94.81 -4.08 -10.20	92.97 -4.08 -8.27	92.24 -4.07 -7.71	91.72 -4.28 -8.58	94.47 -3.93 -9.10	129.86 -9.60 -2.36	145.24 -10.27 0.00	209.45 -18.69 -0.13	191.94 -18.03 -0.33	187.96 -17.65 -0.43	152.85 -15.43 -2.31	128.39 -12.54 -3.10	140.01 -11.65 -2.31	150.70 -11.17 0.00
SITHE____INDEPEND 23800	82.54 -2.80 -3.09	84.81 -2.88 -2.99	83.45 -2.82 -3.30	84.73 -2.98 -2.69	84.42 -2.98 -2.39	84.90 -2.82 -2.36	85.38 -2.81 -2.93	84.45 -2.73 -1.84	86.06 -2.75 -0.20	87.96 -2.69 -1.01	88.32 -2.75 -2.38	87.56 -2.84 -1.61	87.16 -2.84 -1.39	86.27 -2.88 -1.74	88.38 -2.86 -1.94	131.76 -5.35 0.00	149.75 -5.75 0.00	219.12 -8.89 0.00	201.68 -7.97 0.00	197.17 -8.00 0.00	159.49 -6.47 0.00	132.33 -5.51 -0.01	143.37 -5.97 0.00	155.56 -6.31 0.00
SITHE____MASSENA 23902	80.68 -1.57 0.00	83.26 -1.44 0.00	81.49 -1.49 0.00	83.74 -1.27 0.00	83.56 -1.45 0.00	83.30 -2.05 0.00	83.22 -2.05 0.00	83.22 -2.13 0.00	85.42 -3.19 0.00	85.69 -3.94 0.00	85.50 -3.19 0.00	85.50 -3.28 0.00	85.42 -3.19 0.00	85.14 -2.27 0.00	85.91 -3.39 0.00	134.91 -2.20 0.00	152.71 -2.79 0.00	225.04 -2.97 0.00	207.14 -2.51 0.00	202.50 -2.67 0.00	164.14 -1.82 0.00	136.59 -1.24 0.00	148.00 -1.35 0.00	160.74 -1.13 0.00
SITHE____OGDNSBRG 24021	81.26 -0.99 0.00	83.94 -0.76 0.00	82.15 -0.83 0.00	84.41 -0.60 0.00	84.24 -0.77 0.00	83.81 -1.54 0.00	83.48 -1.79 0.00	83.56 -1.79 0.00	85.68 -2.92 0.00	85.87 -3.76 0.00	85.76 -2.93 0.00	85.77 -3.02 0.00	85.59 -3.01 0.00	85.67 -1.75 0.00	86.18 -3.13 0.00	135.74 -1.37 0.00	154.11 -1.40 0.00	227.55 -0.46 0.00	209.43 -0.21 0.00	204.76 -0.41 0.00	165.63 -0.33 0.00	138.24 0.41 0.00	150.09 0.75 0.00	163.00 1.13 0.00
SITHE____STERLING 23777	87.71 2.22 -3.24	90.29 2.46 -3.14	88.84 2.41 -3.46	90.30 2.47 -2.83	90.06 2.55 -2.50	90.73 2.90 -2.48	91.40 3.07 -3.07	90.43 3.16 -1.93	92.36 3.55 -0.21	94.46 3.76 -1.06	94.99 3.81 -2.49	94.21 3.73 -1.69	93.79 3.72 -1.46	92.64 3.41 -1.82	95.00 3.66 -2.03	142.03 4.93 0.00	161.26 5.76 0.00	236.20 8.20 0.00	216.35 6.71 0.00	211.74 6.56 0.00	170.94 4.97 0.00	141.69 3.85 -0.01	153.68 4.33 0.00	166.57 4.70 0.00
SLEIGHT__34_KV_TB1 80719	88.13 -0.74 -6.62	90.17 -0.93 -6.41	89.13 -0.91 -7.06	89.67 -1.11 -5.77	89.02 -1.11 -5.11	89.73 -0.68 -5.06	90.77 -0.77 -6.27	88.17 -1.11 -3.93	88.41 -0.62 -0.42	91.18 -0.63 -2.17	93.07 -0.71 -5.09	91.53 -0.71 -3.46	90.79 -0.80 -2.98	90.09 -1.05 -3.72	92.74 -0.71 -4.16	133.40 -3.70 0.00	152.24 -3.27 0.00	221.02 -7.07 -0.08	202.78 -7.13 -0.26	197.93 -7.59 -0.35	161.71 -6.31 -2.06	134.80 -5.79 -2.75	145.43 -5.97 -2.06	155.88 -5.99 0.00
SOUTH CAIRO____GT 23612	150.76 5.68 -62.84	151.45 5.93 -60.82	155.75 5.73 -67.05	145.50 5.70 -54.79	139.18 5.61 -48.56	139.28 5.89 -48.04	150.65 5.88 -59.50	193.80 6.06 -102.39	197.82 6.56 -102.66	196.19 6.63 -99.93	208.22 6.30 -113.23	204.86 6.21 -109.86	203.40 6.38 -108.41	197.51 6.38 -103.71	198.39 6.88 -102.21	218.08 9.60 -71.37	251.14 11.35 -84.28	245.94 16.64 -1.29	228.60 14.88 -4.08	224.71 14.16 -5.38	208.51 10.79 -31.76	189.49 9.23 -42.42	191.41 10.30 -31.76	174.98 13.11 0.00
SOUTH HAMPTN____IC 23720	148.27 10.28 -55.74	148.67 9.99 -53.98	149.85 9.21 -57.66	142.07 9.94 -47.12	137.05 10.28 -41.76	139.77 11.01 -43.41	149.12 11.00 -52.85	149.19 11.95 -51.90	149.70 13.03 -48.06	154.52 12.82 -52.07	177.82 11.80 -77.33	170.55 12.07 -69.69	165.80 11.88 -65.32	167.01 11.36 -68.24	172.36 11.88 -71.18	186.46 17.28 -32.07	203.13 19.75 -27.87	261.20 25.76 -7.44	223.73 24.10 10.01	221.19 22.57 6.55	202.00 17.77 -18.27	176.01 14.33 -23.85	163.82 15.24 0.77	164.07 17.15 14.95
SOUTHDOW_115KV_TB1 355954	91.41 -0.74 -9.90	93.27 -1.02 -9.59	92.55 -1.00 -10.57	92.28 -1.36 -8.64	91.47 -1.19 -7.65	92.58 -0.34 -7.57	93.71 -0.94 -9.38	89.19 -2.05 -5.89	93.18 -1.51 -6.08	96.54 -1.79 -8.70	99.54 -2.22 -13.06	97.27 -2.13 -10.62	96.48 -2.04 -9.91	96.07 -2.36 -11.01	98.91 -2.05 -11.67	136.33 -3.84 -3.06	152.40 -3.11 0.00	218.33 -9.80 -0.13	199.56 -10.48 -0.40	196.27 -9.44 -0.53	163.12 -5.97 -3.13	133.34 -8.68 -4.19	147.10 -5.38 -3.13	157.66 -4.21 0.00
SOUTHOLD_69_KV_BK 2 55809	148.68 10.69 -55.74	149.01 10.33 -53.98	150.26 9.63 -57.66	142.75 10.63 -47.12	137.82 11.05 -41.76	140.62 11.86 -43.41	150.06 11.94 -52.85	150.13 12.89 -51.90	150.67 14.00 -48.06	155.60 13.89 -52.07	178.44 12.42 -77.33	171.44 12.96 -69.69	166.78 12.85 -65.32	168.42 12.76 -68.24	173.79 13.31 -71.18	188.24 19.06 -32.08	204.84 21.46 -27.87	257.80 22.34 -7.44	221.86 22.22 10.00	220.38 21.75 6.54	201.20 16.93 -18.31	175.78 14.06 -23.90	163.39 14.78 0.73	162.30 15.38 14.94
SOUTHOLD____IC 23719	148.68 10.69 -55.74	149.01 10.33 -53.98	150.26 9.62 -57.66	142.75 10.62 -47.12	137.81 11.05 -41.76	140.62 11.86 -43.41	150.06 11.94 -52.85	150.14 12.89 -51.90	150.66 13.99 -48.06	155.60 13.89 -52.07	178.80 12.77 -77.33	171.71 13.23 -69.69	167.04 13.11 -65.32	168.42 12.76 -68.24	173.79 13.31 -71.18	188.52 19.34 -32.08	204.85 21.47 -27.87	258.47 23.02 -7.44	223.95 24.31 10.01	220.99 22.37 6.55	201.66 17.42 -18.28	175.75 14.07 -23.85	163.37 14.79 0.77	164.25 17.33 14.94
SOUTH_FORK_WT_PWR 323839	148.10 10.11 -55.74	148.50 9.82 -53.98	149.77 9.13 -57.66	142.32 10.20 -47.12	137.56 10.80 -41.76	140.37 11.61 -43.41	149.80 11.68 -52.85	149.88 12.63 -51.90	150.40 13.73 -48.06	155.33 13.62 -52.07	178.53 12.51 -77.33	171.53 13.06 -69.69	166.96 13.03 -65.32	168.33 12.67 -68.24	173.79 13.31 -71.18	188.23 19.05 -32.08	204.06 20.68 -27.87	259.38 23.93 -7.44	221.23 21.60 10.01	218.32 19.70 6.55	199.50 15.26 -18.28	173.81 12.13 -23.85	161.42 12.85 0.77	162.62 15.70 14.95
SPIERFLS_115KV_TB 1 80737	156.41 6.00 -68.16	156.94 6.27 -65.97	161.85 6.14 -72.73	150.56 6.12 -59.44	143.89 6.21 -52.67	143.78 6.32 -52.11	156.20 6.39 -64.54	300.58 4.52 -210.70	324.18 5.05 -230.52	292.68 5.11 -197.94	284.36 5.32 -190.34	299.53 5.50 -205.24	302.46 5.49 -208.36	278.10 5.33 -185.35	270.02 5.63 -175.10	314.27 8.36 -168.80	386.14 10.11 -220.52	245.39 14.59 -2.79	231.89 13.42 -8.83	229.75 12.93 -11.65	249.00 14.27 -68.77	240.77 11.30 -91.64	230.06 11.95 -68.77	174.50 12.63 0.00
ST LAWRENCE____ 23600	80.27 -1.97 0.00	82.67 -2.03 0.00	80.99 -1.99 0.00	83.14 -1.87 0.00	83.06 -1.95 0.00	83.05 -2.30 0.00	82.97 -2.30 0.00	83.05 -2.30 0.00	85.50 -3.10 0.00	86.41 -3.22 0.00	85.77 -2.92 0.00	85.86 -2.93 0.00	85.77 -2.84 0.00	84.88 -2.54 0.00	86.36 -2.94 0.00	134.50 -2.61 0.00	152.40 -3.11 0.00	224.13 -3.88 0.00	206.50 -3.14 0.00	201.88 -3.29 0.00	163.48 -2.48 0.00	135.90 -1.93 0.00	147.11 -2.24 0.00	159.60 -2.27 0.00
STATE_CA_115KV_115_LB 55624	152.86 4.11 -66.50	153.30 4.23 -64.37	158.09 4.15 -70.96	147.16 4.17 -57.99	140.65 4.25 -51.39	140.46 4.27 -50.85	152.50 4.26 -62.97	248.88 4.69 -158.83	262.66 5.05 -169.00	246.11 5.38 -151.10	247.76 5.06 -154.01	253.69 5.06 -159.85	254.35 5.05 -160.69	239.13 5.07 -146.64	234.90 4.91 -140.69	265.37 6.44 -121.82	316.94 6.84 -154.59	239.58 9.58 -2.00	224.77 8.81 -6.32	222.34 8.82 -8.34	221.87 6.64 -49.27	209.47 5.93 -65.71	205.63 7.02 -49.27	169.48 7.61 0.00



STATE_ST_34_KV_LOAD 55959	90.86 1.48 -7.13	92.96 1.36 -6.90	91.91 1.33 -7.61	92.50 1.28 -6.22	91.79 1.28 -5.51	92.51 1.71 -5.45	93.89 1.88 -6.75	91.46 1.88 -4.24	95.32 2.39 -4.32	98.34 2.51 -6.20	100.52 2.48 -9.34	98.86 2.49 -7.58	98.07 2.39 -7.07	97.38 2.10 -7.87	100.14 2.50 -8.34	141.61 2.33 -2.17	159.08 3.58 0.00	229.93 1.82 -0.09	209.94 0.00 -0.30	205.16 -0.41 -0.40	167.96 -0.33 -2.33	140.13 -0.83 -3.13	150.78 -0.90 -2.33	161.06 -0.81 0.00
STATION_5_MISC_HYD 23604	87.78 -1.23 -6.76	89.72 -1.52 -6.55	88.71 -1.49 -7.22	89.21 -1.70 -5.90	88.54 -1.70 -5.23	89.24 -1.28 -5.17	90.05 -1.62 -6.41	87.07 -2.30 -4.02	90.74 -1.86 -4.00	93.37 -2.06 -5.79	95.16 -2.31 -8.77	93.58 -2.31 -7.10	92.92 -2.30 -6.62	92.34 -2.45 -7.37	94.89 -2.23 -7.82	132.26 -6.85 -2.01	148.04 -7.46 0.00	215.11 -12.99 -0.09	197.28 -12.37 0.00	192.87 -12.31 0.00	155.18 -10.78 0.00	129.31 -8.55 -0.02	140.68 -8.67 0.00	153.29 -8.58 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	89.20 0.16 -6.79	91.19 -0.08 -6.57	90.14 -0.08 -7.25	90.76 -0.17 -5.92	90.00 -0.26 -5.25	90.80 0.26 -5.19	91.87 0.17 -6.43	89.21 -0.17 -4.04	92.99 0.35 -4.03	95.73 0.27 -5.82	97.60 0.09 -8.82	96.02 0.09 -7.14	95.26 0.00 -6.66	94.57 -0.26 -7.41	97.25 0.09 -7.86	136.66 -2.47 -2.02	153.80 -1.71 0.00	222.62 -5.47 -0.09	204.25 -5.66 -0.27	199.38 -6.16 -0.36	163.09 -4.98 -2.11	135.97 -4.69 -2.83	146.83 -4.63 -2.11	157.34 -4.53 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	87.39 -1.56 -6.71	89.33 -1.86 -6.49	88.31 -1.83 -7.16	88.73 -2.13 -5.85	88.07 -2.13 -5.18	88.77 -1.71 -5.13	89.66 -1.96 -6.35	86.78 -2.56 -3.99	90.45 -2.13 -3.97	93.04 -2.33 -5.74	94.90 -2.48 -8.70	93.34 -2.49 -7.04	92.69 -2.48 -6.56	92.01 -2.71 -7.31	94.55 -2.50 -7.75	132.10 -6.99 -1.99	148.51 -7.00 0.00	215.55 -12.54 -0.09	198.17 -11.74 -0.27	193.63 -11.90 -0.35	158.05 -9.96 -2.05	131.89 -8.68 -2.75	142.43 -8.96 -2.05	153.13 -8.74 0.00
STA_56___34_KV_BUS2 355983	87.39 -1.56 -6.71	89.33 -1.86 -6.49	88.31 -1.83 -7.16	88.73 -2.13 -5.85	88.07 -2.13 -5.18	88.77 -1.71 -5.13	89.66 -1.96 -6.35	86.78 -2.56 -3.99	90.45 -2.13 -3.97	93.04 -2.33 -5.74	94.90 -2.48 -8.70	93.34 -2.49 -7.04	92.69 -2.48 -6.56	92.01 -2.71 -7.31	94.55 -2.50 -7.75	132.10 -6.99 -1.99	148.51 -7.00 0.00	215.55 -12.54 -0.09	198.17 -11.74 -0.27	193.63 -11.90 -0.35	158.05 -9.96 -2.05	131.89 -8.68 -2.75	142.43 -8.96 -2.05	153.13 -8.74 0.00
STA_67___115KV_BK2 355882	87.61 -1.40 -6.76	89.55 -1.69 -6.54	88.53 -1.66 -7.21	89.03 -1.87 -5.89	88.36 -1.87 -5.22	89.07 -1.45 -5.17	89.87 -1.79 -6.40	86.89 -2.48 -4.02	90.57 -2.04 -4.00	93.09 -2.33 -5.78	94.97 -2.48 -8.76	93.39 -2.49 -7.09	92.74 -2.48 -6.61	92.07 -2.71 -7.36	94.61 -2.50 -7.81	131.98 -7.13 -2.00	148.35 -7.15 0.00	215.33 -12.77 -0.09	197.96 -11.95 -0.27	193.22 -12.31 -0.35	157.90 -10.12 -2.06	131.64 -8.96 -2.76	142.45 -8.96 -2.06	153.13 0.00
STA_7___115KV_9TRANS 80674	88.19 -0.82 -6.76	90.15 -1.10 -6.55	89.04 -1.16 -7.22	89.55 -1.36 -5.90	88.88 -1.36 -5.23	89.58 -0.94 -5.17	90.48 -1.19 -6.41	87.49 -1.88 -4.02	91.19 -1.42 -4.00	93.81 -1.61 -5.79	95.69 -1.77 -8.77	94.11 -1.78 -7.10	93.45 -1.77 -6.62	92.87 -1.92 -7.37	95.42 -1.70 -7.82	133.22 -5.90 -2.01	149.60 -5.91 0.00	216.92 -11.17 -0.09	199.43 -10.48 -0.27	194.86 -10.67 -0.35	159.23 -8.80 -2.07	132.88 -7.72 -2.77	143.64 -7.77 -2.07	154.26 -7.61 0.00
STA_82___115KV_TB1 80780	87.65 -1.40 -6.80	89.67 -1.61 -6.58	88.57 -1.66 -7.25	89.06 -1.87 -5.93	88.39 -1.87 -5.25	89.10 -1.45 -5.20	90.00 -1.71 -6.44	87.00 -2.39 -4.04	90.59 -2.04 -4.02	93.21 -2.24 -5.82	95.02 -2.48 -8.82	93.44 -2.49 -7.14	92.78 -2.48 -6.65	92.20 -2.62 -7.41	94.75 -2.41 -7.86	132.13 -6.99 -2.02	148.51 -7.00 0.00	215.33 -12.77 -0.09	197.97 -11.95 -0.27	193.43 -12.11 -0.36	157.92 -10.12 -2.08	131.79 -8.82 -2.78	142.46 -8.96 -2.08	153.13 0.00
STEEL___WIND 323596	87.98 -3.45 -9.18	89.86 -3.72 -8.89	89.13 -3.65 -9.80	88.94 -4.08 -8.01	88.20 -3.91 -7.10	89.13 -3.24 -7.02	89.96 -4.01 -8.70	85.43 -5.37 -5.46	89.07 -5.14 -5.60	92.11 -5.56 -8.03	94.74 -6.03 -12.08	92.65 -5.95 -9.81	91.83 -5.94 -9.16	91.47 -6.12 -10.18	94.28 -5.80 -10.78	129.09 -10.83 -2.82	143.22 -12.29 0.00	204.87 -23.26 -0.12	187.35 -22.65 -0.36	183.69 -21.95 -0.47	150.31 -18.43 -2.77	126.38 -15.16 -3.71	139.27 -12.84 -2.77	149.73 -12.14 0.00
STEPHTWN_115KV_BK_2 55603	152.87 4.85 -65.77	153.36 5.00 -63.66	158.05 4.90 -70.18	147.29 4.93 -57.35	140.85 5.02 -50.83	140.76 5.12 -50.29	152.66 5.12 -62.28	226.74 5.55 -135.85	236.29 5.94 -141.75	226.27 6.27 -130.36	232.57 5.94 -137.94	234.40 5.86 -139.75	234.04 5.85 -139.59	222.79 5.86 -129.51	220.57 5.80 -125.46	245.93 7.82 -101.00	289.43 8.55 -125.37	241.99 12.31 -1.67	226.04 11.11 -5.29	223.23 11.08 -6.97	215.61 8.46 -41.18	200.09 7.31 -54.96	199.04 8.51 -41.18	171.10 9.23 0.00
STEUBEN_REC_LFGE 323667	93.85 -0.49 -12.10	95.73 -0.68 -11.71	95.47 -0.41 -12.91	94.96 -0.60 -10.55	94.10 -0.26 -9.35	95.20 0.60 -9.25	97.15 0.43 -11.45	96.86 0.00 -11.51	99.05 0.44 -10.00	101.63 0.09 -11.91	104.80 -0.18 -16.29	102.63 -0.27 -14.11	101.70 -0.35 -13.45	100.56 -0.87 -14.02	103.20 -0.54 -14.44	140.88 -2.47 -6.24	159.71 -1.40 -5.60	222.24 -5.93 -0.16	203.23 -6.92 -0.50	198.86 -6.98 -0.66	165.07 -4.81 -3.92	136.46 -6.62 -5.25	147.29 -5.97 -3.92	156.53 -5.34 0.00
STILLWATER___SOLAR 323814	155.65 5.60 -67.80	156.09 5.76 -65.63	160.97 5.65 -72.35	149.83 5.70 -59.12	143.19 5.78 -52.40	143.07 5.88 -51.84	155.35 5.88 -64.20	295.68 5.63 -204.70	318.21 6.11 -223.49	288.27 6.10 -192.54	280.87 6.12 -186.06	294.97 6.21 -199.97	297.64 6.20 -202.84	274.28 6.03 -180.83	266.70 6.34 -171.06	309.88 9.33 -163.44	379.41 10.88 -213.02	246.21 15.51 -2.69	232.20 14.05 -8.51	230.15 13.75 -11.22	243.17 10.95 -66.26	235.92 9.79 -88.31	226.05 10.45 -66.26	173.03 11.16 0.00
STONY___BROOK 24151	147.35 9.29 -55.80	147.72 8.97 -54.05	148.86 8.22 -57.66	140.89 8.76 -47.12	135.69 8.92 -41.76	138.40 9.56 -43.49	147.82 9.63 -52.92	147.80 10.49 -51.96	148.24 11.51 -48.12	152.98 11.20 -52.14	176.29 10.02 -77.58	169.02 10.21 -70.03	164.06 9.83 -65.62	165.39 9.44 -68.53	170.45 9.65 -71.50	183.43 13.99 -32.33	199.95 16.32 -28.12	257.59 21.89 -7.69	220.52 20.56 9.68	218.79 19.90 6.28	200.28 15.77 -18.54	174.70 12.67 -24.20	162.73 14.03 0.65	162.24 15.21 14.84
STURGEON_POOL_HYD 23609	142.20 4.69 -55.26	142.85 4.66 -53.49	146.35 4.40 -58.97	137.70 4.51 -48.19	132.14 4.42 -42.71	132.38 4.78 -42.25	142.46 4.86 -52.33	149.16 5.46 -58.34	147.38 6.38 -52.39	155.41 6.36 -59.41	173.12 6.30 -78.13	164.43 6.39 -69.25	161.48 6.38 -66.49	161.69 6.21 -68.06	165.40 6.61 -69.49	179.72 8.91 -33.71	198.50 9.95 -33.04	242.68 13.91 -0.76	224.43 12.37 -2.42	220.47 12.11 -3.19	194.40 9.63 -18.82	171.57 8.55 -25.19	176.67 8.51 -18.82	171.42 9.55 0.00
ST_LAW_115_BK7_LBMP 345037	80.11 -2.14 0.00	82.59 -2.11 0.00	80.91 -2.07 0.00	82.97 -2.04 0.00	82.97 -2.04 0.00	82.87 -2.48 0.00	82.79 -2.48 0.00	82.79 -2.56 0.00	85.24 -3.37 0.00	86.05 -3.59 0.00	85.50 -3.19 0.00	85.59 -3.19 0.00	85.50 -3.10 0.00	84.71 -2.71 0.00	86.00 -3.30 0.00	134.37 -2.74 0.00	152.08 -3.42 0.00	223.91 -4.10 0.00	206.08 -3.57 0.00	201.49 -3.69 0.00	163.30 -2.66 0.00	135.77 -2.06 0.00	146.95 -2.40 0.00	159.45 -2.42 0.00



ST_LAW_115_BK8_LBMP 345038	80.11 -2.14 0.00	82.59 -2.11 0.00	80.91 -2.07 0.00	82.97 -2.04 0.00	82.97 -2.04 0.00	82.87 -2.48 0.00	82.79 -2.48 0.00	82.79 -2.56 0.00	85.24 -3.37 0.00	86.05 -3.59 0.00	85.50 -3.19 0.00	85.59 -3.19 0.00	85.50 -3.10 0.00	84.71 -2.71 0.00	86.00 -3.30 0.00	134.37 -2.74 0.00	152.08 -3.42 0.00	223.91 -4.10 0.00	206.08 -3.57 0.00	201.49 -3.69 0.00	163.30 -2.66 0.00	135.77 -2.06 0.00	146.95 -2.40 0.00	159.45 -2.42 0.00
ST_LAW_230_BK5_LBMP 345035	80.27 -1.97 0.00	82.67 -2.03 0.00	80.99 -1.99 0.00	83.14 -1.87 0.00	83.06 -1.95 0.00	83.05 -2.30 0.00	82.97 -2.30 0.00	83.05 -2.30 0.00	85.50 -3.10 0.00	86.41 -3.22 0.00	85.77 -2.92 0.00	85.86 -2.93 0.00	85.77 -2.84 0.00	84.88 -2.54 0.00	86.36 -2.94 0.00	134.50 -2.61 0.00	152.40 -3.11 0.00	224.13 -3.88 0.00	206.50 -3.14 0.00	201.88 -3.29 0.00	163.48 -2.48 0.00	135.90 -1.93 0.00	147.11 -2.24 0.00	159.60 -2.27 0.00
ST_LAW_230_BK6_LBMP 345036	80.27 -1.97 0.00	82.67 -2.03 0.00	80.99 -1.99 0.00	83.14 -1.87 0.00	83.06 -1.95 0.00	83.05 -2.30 0.00	82.97 -2.30 0.00	83.05 -2.30 0.00	85.50 -3.10 0.00	86.41 -3.22 0.00	85.77 -2.92 0.00	85.86 -2.93 0.00	85.77 -2.84 0.00	84.88 -2.54 0.00	86.36 -2.94 0.00	134.50 -2.61 0.00	152.40 -3.11 0.00	224.13 -3.88 0.00	206.50 -3.14 0.00	201.88 -3.29 0.00	163.48 -2.48 0.00	135.90 -1.93 0.00	147.11 -2.24 0.00	159.60 -2.27 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	137.18 4.61 -50.33	137.99 4.57 -48.71	141.00 4.31 -53.70	133.31 4.42 -43.89	128.24 4.34 -38.89	128.52 4.69 -38.48	137.70 4.77 -47.66	135.68 5.46 -44.86	132.65 6.20 -37.84	142.60 6.27 -46.69	160.47 6.21 -65.57	151.04 6.30 -55.95	147.94 6.29 -53.04	149.50 6.12 -55.96	153.62 6.34 -57.98	168.87 8.64 -23.12	184.52 9.64 -19.38	241.83 13.22 -0.60	223.28 11.74 -1.90	219.37 11.69 -2.50	190.02 9.29 -14.77	165.75 8.13 -19.79	172.47 8.36 -14.77	170.29 8.42 0.00
SWANROAD_115KV_TB1 355699	85.29 -5.43 -8.47	87.05 -5.84 -8.20	86.29 -5.73 -9.04	86.19 -6.21 -7.38	85.43 -6.12 -6.54	86.36 -5.46 -6.47	86.72 -6.57 -8.02	82.27 -8.11 -5.03	85.85 -7.89 -5.13	88.58 -8.43 -7.37	90.83 -8.96 -11.10	88.92 -8.88 -9.01	88.15 -8.86 -8.40	87.76 -9.00 -9.35	90.37 -8.84 -9.90	122.41 -17.28 -2.58	137.31 -18.19 0.00	196.67 -31.47 -0.13	180.23 -29.77 -0.36	176.51 -29.13 -0.47	145.70 -22.90 -2.64	120.69 -20.67 -3.54	132.12 -19.86 -2.64	142.93 -18.94 0.00
SYNERGY___BIOGAS 323694	88.17 -1.89 -7.81	89.97 -2.28 -7.56	89.07 -2.24 -8.33	89.18 -2.64 -6.81	88.41 -2.64 -6.03	89.36 -1.96 -5.97	90.10 -2.56 -7.39	86.32 -3.67 -4.64	90.11 -3.19 -4.69	92.71 -3.68 -6.76	94.81 -4.08 -10.20	92.97 -4.08 -8.27	92.24 -4.07 -7.71	91.72 -4.28 -8.58	94.47 -3.93 -9.10	129.86 -9.60 -2.36	145.24 -10.27 0.00	209.45 -18.69 -0.13	191.94 -18.03 -0.33	187.96 -17.65 -0.43	152.85 -15.43 -2.31	128.39 -12.54 -3.10	140.01 -11.65 -2.31	150.70 -11.17 0.00
SYRACUSE___ENERGY_ST1 323597	88.60 0.66 -5.70	90.81 0.59 -5.51	89.64 0.58 -6.08	90.49 0.51 -4.97	89.92 0.51 -4.40	90.47 0.77 -4.36	91.51 0.85 -5.39	89.67 0.94 -3.39	90.30 1.33 -0.36	92.94 1.43 -1.87	94.49 1.42 -4.38	93.18 1.42 -2.98	92.50 1.33 -2.57	91.67 1.05 -3.20	94.31 1.43 -3.58	137.93 0.82 0.00	157.06 1.56 0.00	227.55 -0.46 0.00	207.97 -1.68 0.00	203.33 -1.85 0.00	164.47 -1.49 0.00	136.33 -1.52 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00
SYRACUSE___ENERGY_ST2 323598	88.60 0.66 -5.70	90.81 0.59 -5.51	89.64 0.58 -6.08	90.49 0.51 -4.97	89.92 0.51 -4.40	90.47 0.77 -4.36	91.51 0.85 -5.39	89.67 0.94 -3.39	90.30 1.33 -0.36	92.94 1.43 -1.87	94.49 1.42 -4.38	93.18 1.42 -2.98	92.50 1.33 -2.57	91.67 1.05 -3.20	94.31 1.43 -3.58	137.93 0.82 0.00	157.06 1.56 0.00	227.55 -0.46 0.00	207.97 -1.68 0.00	203.33 -1.85 0.00	164.47 -1.49 0.00	136.33 -1.52 -0.02	147.70 -1.64 0.00	160.09 -1.78 0.00
SYRACUSE___POWER 24017	88.22 -0.08 -6.05	90.39 -0.17 -5.86	89.27 -0.17 -6.46	90.11 -0.17 -5.28	89.51 -0.17 -4.68	90.06 0.09 -4.63	91.08 0.09 -5.73	89.12 0.17 -3.60	89.44 0.44 -0.39	92.25 0.63 -1.99	93.88 0.53 -4.65	92.48 0.53 -3.16	91.87 0.53 -2.73	91.08 0.26 -3.40	93.64 0.54 -3.80	136.83 -0.27 0.00	155.66 0.16 0.00	226.87 -1.14 0.00	207.76 -1.89 0.00	203.12 -2.05 0.00	164.30 -1.66 0.00	136.06 -1.79 -0.02	147.55 -1.79 0.00	159.93 -1.94 0.00
TALLMAN___138KV_BK151 55660	138.89 5.02 -51.62	139.58 4.91 -49.97	142.63 4.56 -55.08	134.78 4.76 -45.02	129.66 4.76 -39.89	129.86 5.04 -39.47	139.35 5.20 -48.88	137.39 5.97 -46.06	134.29 6.82 -38.86	144.47 6.90 -47.93	162.81 6.83 -67.29	153.13 6.93 -57.42	149.96 6.91 -54.44	151.57 6.73 -57.43	155.76 6.97 -59.49	170.32 9.46 -23.76	185.86 10.42 -19.93	242.99 14.36 -0.61	224.59 13.00 -1.94	220.67 12.93 -2.57	191.40 10.29 -15.15	167.09 8.96 -20.30	173.75 9.26 -15.15	171.10 9.23 0.00
TEALLAVE_115KV_TB7 355573	86.72 -0.58 -5.04	88.90 -0.68 -4.88	87.69 -0.66 -5.38	88.64 -0.77 -4.40	88.14 -0.77 -3.90	88.69 -0.51 -3.85	89.61 -0.43 -4.77	87.92 -0.43 -3.00	88.75 -0.18 -0.32	91.20 -0.09 -1.65	92.39 -0.18 -3.88	91.24 -0.18 -2.63	90.70 -0.18 -2.27	89.90 -0.35 -2.83	92.29 -0.18 -3.17	135.74 -1.37 0.00	154.26 -1.24 0.00	225.27 -2.74 0.00	206.29 -3.35 0.00	201.89 -3.28 0.00	163.14 -2.82 0.00	135.23 -2.62 -0.02	146.51 -2.84 0.00	158.96 -2.91 0.00
TELGRAPH_34_KV_EAST 80808	86.85 -3.45 -8.05	88.68 -3.81 -7.79	87.84 -3.73 -8.59	87.86 -4.17 -7.02	87.15 -4.08 -6.22	88.09 -3.41 -6.16	88.63 -4.26 -7.62	84.59 -5.55 -4.78	88.23 -5.23 -4.85	90.97 -5.65 -6.98	93.10 -6.12 -10.53	91.20 -6.13 -8.55	90.46 -6.11 -7.97	90.08 -6.21 -8.86	92.71 -5.98 -9.39	126.79 -12.75 -2.44	142.44 -13.06 0.00	204.67 -23.48 -0.14	187.78 -22.22 -0.36	183.69 -21.95 -0.47	151.04 -17.43 -2.50	125.06 -16.13 -3.35	136.61 -15.23 -2.50	147.46 -14.41 0.00
TEMPLE___115KV_TB 2 55572	86.80 -0.58 -5.13	88.99 -0.68 -4.96	87.87 -0.58 -5.47	88.80 -0.68 -4.47	88.29 -0.68 -3.96	88.84 -0.43 -3.92	89.70 -0.43 -4.86	87.97 -0.43 -3.05	88.85 -0.09 -0.33	91.32 0.00 -1.68	92.55 -0.09 -3.94	91.38 -0.09 -2.68	90.83 -0.09 -2.31	89.95 -0.35 -2.88	92.43 -0.09 -3.22	135.74 -1.37 0.00	154.42 -1.09 0.00	225.50 -2.51 0.00	206.50 -3.14 0.00	201.89 -3.28 0.00	163.31 -2.66 0.00	135.37 -2.48 -0.02	146.66 -2.69 0.00	159.12 -2.75 0.00
TIANA____69_KV_BK 1 55817	148.19 10.20 -55.74	148.59 9.91 -53.98	149.77 9.13 -57.66	141.99 9.86 -47.12	136.88 10.12 -41.76	139.60 10.84 -43.41	148.95 10.83 -52.85	148.94 11.69 -51.90	149.51 12.85 -48.06	154.26 12.55 -52.07	177.29 11.26 -77.33	170.02 11.54 -69.69	165.27 11.34 -65.32	166.76 11.10 -68.24	172.09 11.61 -71.18	185.91 16.73 -32.08	202.82 19.44 -27.87	260.53 25.08 -7.44	221.86 22.22 10.00	220.79 22.16 6.54	201.70 17.43 -18.31	176.20 14.47 -23.89	164.14 15.53 0.73	161.98 15.05 14.94
TILDEN___115KV_TB1 80814	88.22 -0.08 -6.05	90.39 -0.17 -5.86	89.27 -0.17 -6.46	90.11 -0.17 -5.28	89.51 -0.17 -4.68	90.06 0.09 -4.63	91.08 0.09 -5.73	89.12 0.17 -3.60	89.44 0.44 -0.39	92.25 0.63 -1.99	93.88 0.53 -4.65	92.48 0.53 -3.16	91.87 0.53 -2.73	91.08 0.26 -3.40	93.64 0.54 -3.80	136.83 -0.27 0.00	155.66 0.16 0.00	226.87 -1.14 0.00	207.76 -1.89 0.00	203.12 -2.05 0.00	164.30 -1.66 0.00	136.06 -1.79 -0.02	147.55 -1.79 0.00	159.93 -1.94 0.00



TRIGEN___CC 323695	155.93 7.40 -66.28	156.44 7.37 -64.37	147.38 6.72 -57.68	139.04 6.89 -47.14	133.84 7.06 -41.78	149.34 7.60 -56.39	156.23 7.67 -63.29	155.39 8.53 -61.51	156.11 9.48 -58.02	162.32 9.59 -63.09	218.29 9.22 -120.37	227.63 9.32 -129.52	215.15 9.30 -117.24	215.54 9.09 -119.03	225.66 9.38 -126.98	227.14 13.16 -76.87	241.19 14.77 -70.91	299.02 20.52 -50.49	274.93 18.45 -46.83	263.96 18.26 -40.52	245.11 14.60 -64.55	235.36 12.40 -85.13	181.73 13.29 -19.10	177.11 12.63 -2.62
TRINITY___115KV___4 BK 55933	152.11 3.95 -65.91	152.56 4.07 -63.80	157.29 3.98 -70.33	146.48 4.00 -57.48	139.94 4.00 -50.94	139.84 4.10 -50.40	151.77 4.09 -62.41	229.26 4.61 -139.30	239.40 4.96 -145.83	228.41 5.29 -133.48	233.95 4.88 -140.38	236.36 4.79 -142.78	236.25 4.87 -142.77	224.33 4.81 -132.10	221.80 4.73 -127.77	247.26 6.03 -104.12	291.62 6.38 -129.73	238.62 8.89 -1.72	223.05 7.97 -5.44	220.36 8.00 -7.18	214.34 5.97 -42.40	199.78 5.38 -56.58	198.16 6.42 -42.40	168.99 7.12 0.00
UNION___PROCESSING_DRP 323587	87.74 -1.32 -6.80	89.68 -1.61 -6.59	88.66 -1.58 -7.26	89.07 -1.87 -5.93	88.40 -1.87 -5.26	89.19 -1.37 -5.20	90.00 -1.71 -6.44	87.00 -2.39 -4.04	90.69 -1.95 -4.03	93.22 -2.24 -5.83	95.12 -2.39 -8.83	93.45 -2.49 -7.15	92.87 -2.39 -6.66	92.21 -2.62 -7.42	94.76 -2.41 -7.87	132.13 -6.99 -2.02	148.51 -7.00 0.00	215.56 -12.54 -0.09	197.97 -11.95 -0.27	193.43 -12.11 -0.36	158.08 -9.96 -2.08	131.80 -8.82 -2.79	142.46 -8.96 -2.08	153.29 -8.58 0.00
UPPER HUDSON___HYD 24058	156.41 6.00 -68.16	156.94 6.27 -65.97	161.85 6.14 -72.73	150.57 6.12 -59.44	143.88 6.20 -52.67	143.78 6.32 -52.11	156.21 6.40 -64.54	300.57 4.52 -210.70	324.18 5.05 -230.52	292.68 5.11 -197.94	284.36 5.32 -190.34	299.53 5.51 -205.24	302.46 5.50 -208.36	278.10 5.33 -185.35	270.03 5.63 -175.10	314.27 8.36 -168.80	386.13 10.10 -220.52	245.17 14.37 -2.79	231.68 13.22 -8.82	229.54 12.73 -11.64	244.83 10.12 -68.75	240.75 11.30 -91.61	230.04 11.95 -68.75	174.50 12.63 0.00
UPPER RAQUET___HYD 24056	80.03 -2.22 0.00	82.59 -2.11 0.00	80.91 -2.07 0.00	83.14 -1.87 0.00	82.72 -2.29 0.00	82.02 -3.33 0.00	81.35 -3.92 0.00	81.43 -3.92 0.00	83.47 -5.14 0.00	83.72 -5.92 0.00	84.17 -4.52 0.00	84.16 -4.62 0.00	84.09 -4.52 0.00	83.83 -3.59 0.00	84.30 -5.00 0.00	132.04 -5.07 0.00	149.60 -5.91 0.00	220.94 -7.07 0.00	203.36 -6.28 0.00	198.81 -6.36 0.00	160.99 -4.97 0.00	135.08 -2.76 0.00	146.95 -2.40 0.00	160.09 -1.78 0.00
VALLEY44_115KV_TB2 355964	88.39 -4.19 -10.34	90.30 -4.40 -10.01	89.69 -4.31 -11.03	89.35 -4.68 -9.01	88.41 -4.59 -7.99	89.33 -3.93 -7.90	90.62 -4.43 -9.79	89.72 -5.38 -9.74	91.84 -5.14 -8.37	94.20 -5.47 -10.03	96.63 -5.85 -13.79	94.93 -5.77 -11.91	94.28 -5.67 -11.34	93.32 -5.94 -11.84	95.80 -5.72 -12.21	136.01 -6.31 -5.21	154.11 -6.06 -4.67	212.64 -15.50 -0.13	193.29 -16.77 -0.42	190.75 -14.98 -0.56	159.61 -9.63 -3.28	129.54 -12.68 -4.39	144.56 -8.06 -3.28	154.75 -7.12 0.00
VALLEY___115KV_TB 1-4 80826	84.06 1.81 0.00	86.48 1.78 0.00	84.72 1.74 0.00	86.88 1.87 0.00	87.13 2.13 0.00	87.82 2.48 0.00	87.82 2.56 0.00	88.08 2.73 0.00	91.80 3.19 0.00	93.04 3.41 0.00	92.24 3.55 0.00	92.43 3.64 0.00	92.24 3.63 0.00	90.83 3.41 0.00	92.78 3.48 0.00	141.77 4.66 0.00	160.64 5.13 0.00	235.53 7.52 0.00	215.93 6.29 0.00	211.13 5.95 0.00	170.61 4.65 0.00	141.41 3.58 0.00	153.38 4.03 0.00	166.24 4.37 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	111.09 5.26 -23.57	113.19 5.67 -22.82	113.69 5.56 -25.15	111.34 5.78 -20.56	109.09 5.87 -18.22	109.69 6.32 -18.02	113.81 6.22 -22.32	128.41 6.49 -36.57	134.79 7.27 -38.91	135.51 7.44 -38.43	140.07 7.54 -43.84	138.56 7.55 -42.23	137.56 7.35 -41.60	134.58 6.99 -40.17	136.30 7.23 -39.76	174.08 10.42 -26.55	196.72 11.97 -29.24	245.90 17.33 -0.56	226.30 14.88 -1.77	222.69 15.18 -2.34	191.71 11.95 -13.80	165.76 9.51 -18.42	173.74 10.60 -13.80	173.20 11.33 0.00
VISCHER___FERRY HYD 24020	153.93 4.93 -66.75	154.39 5.08 -64.61	159.10 4.89 -71.22	148.23 5.01 -58.21	141.60 5.01 -51.58	141.51 5.12 -51.04	153.59 5.12 -63.21	275.16 5.63 -184.18	294.08 6.11 -199.37	269.86 6.18 -174.05	266.39 6.21 -171.49	276.87 6.12 -181.96	278.69 6.11 -183.97	258.79 5.95 -165.42	252.76 6.16 -157.30	290.80 8.64 -145.05	352.56 9.80 -187.25	243.81 13.45 -2.35	229.23 12.15 -7.43	226.87 11.90 -9.80	233.45 9.62 -57.87	222.96 7.99 -77.14	215.72 8.51 -57.87	171.09 9.22 0.00
V_A_10_SYNC_DSASP 323832	86.81 -3.04 -7.60	88.75 -3.30 -7.36	87.85 -3.24 -8.11	87.98 -3.65 -6.63	87.32 -3.57 -5.88	88.17 -2.99 -5.81	88.72 -3.75 -7.20	84.92 -4.95 -4.52	88.46 -4.70 -4.55	91.09 -5.11 -9.91	93.11 -5.50 -8.04	91.32 -5.50 -7.50	90.61 -5.49 -8.34	90.16 -5.60 -8.84	92.79 -5.36 -8.84	126.78 -12.61 -2.29	141.20 -14.30 0.00	204.16 -23.94 -0.09	187.28 -22.65 -0.28	183.60 -21.95 -0.37	149.45 -18.75 -2.25	125.95 -14.89 -3.01	136.66 -14.93 -2.25	147.30 -14.57 0.00
V_CMM_10_SYNC_DSASP 323787	80.52 -1.73 0.00	83.01 -1.69 0.00	81.32 -1.66 0.00	83.39 -1.62 0.00	83.39 -1.62 0.00	83.22 -2.13 0.00	83.22 -2.05 0.00	85.68 -2.92 0.00	86.50 -3.14 0.00	85.94 -2.75 0.00	86.03 -2.75 0.00	85.95 -2.66 0.00	85.14 -2.27 0.00	86.44 -2.86 0.00	134.91 -2.20 0.00	152.71 -2.79 0.00	224.82 -3.19 0.00	206.91 -2.73 0.00	202.30 -2.87 0.00	163.98 -1.98 0.00	136.32 -1.51 0.00	147.56 -1.79 0.00	160.09 -1.78 0.00	
V_CMP_10_SYNC_DSASP 323788	80.85 -1.40 0.00	83.34 -1.36 0.00	81.65 -1.33 0.00	84.16 -0.85 0.00	84.24 -0.77 0.00	84.15 -1.19 0.00	83.64 -1.62 0.00	83.73 -1.62 0.00	86.48 -2.13 0.00	87.66 -1.97 0.00	87.18 -1.51 0.00	87.36 -1.42 0.00	87.28 -1.33 0.00	86.37 -1.05 0.00	87.87 -1.43 0.00	136.56 -0.55 0.00	154.73 -0.77 0.00	228.24 0.23 0.00	209.85 0.21 0.00	205.18 0.00 0.00	166.29 0.33 0.00	137.97 0.14 0.00	149.19 -0.15 0.00	163.16 1.29 0.00
V_D_10_SYNC_DSASP 323841	80.68 -1.57 0.00	83.26 -1.44 0.00	81.49 -1.49 0.00	83.74 -1.27 0.00	83.56 -1.45 0.00	83.30 -2.05 0.00	83.22 -2.05 0.00	83.22 -2.13 0.00	85.42 -3.19 0.00	85.78 -3.85 0.00	85.50 -3.19 0.00	85.59 -3.19 0.00	85.50 -3.10 0.00	85.14 -2.27 0.00	85.91 -3.39 0.00	134.91 -2.20 0.00	152.86 -2.64 0.00	225.04 -2.97 0.00	207.14 -2.51 0.00	202.50 -2.67 0.00	164.14 -1.82 0.00	136.59 -1.24 0.00	148.00 -1.35 0.00	160.74 -1.13 0.00
V_E_10_SYNC_DSASP 323830	105.52 6.17 -17.10	107.86 6.61 -16.55	107.78 6.55 -18.25	106.63 6.71 -14.91	104.94 6.71 -13.22	106.36 7.94 -13.08	109.65 8.19 -16.19	114.39 8.53 -20.51	118.18 9.57 -20.00	120.85 9.77 -21.44	125.32 9.93 -26.69	123.22 10.03 -24.40	122.10 9.83 -23.66	120.30 9.18 -23.71	122.97 9.74 -23.94	164.39 14.13 -13.16	186.17 17.26 -13.41	253.17 24.86 -0.30	231.54 20.96 -0.93	226.72 20.32 -1.23	188.64 15.44 -7.24	159.64 12.13 -9.68	170.32 13.73 -7.24	176.93 15.06 0.00
V_F_30_NSYNC___DSASP 323816	155.81 5.60 -67.96	156.32 5.84 -65.78	161.14 5.65 -72.52	149.97 5.70 -59.26	143.31 5.78 -52.52	143.20 5.88 -51.96	155.50 5.88 -64.36	298.37 5.63 -207.39	321.36 6.11 -226.64	290.69 6.21 -194.96	282.88 6.21 -187.98	297.42 6.30 -202.33	300.21 6.29 -205.31	276.39 6.12 -182.86	268.60 6.43 -172.87	312.40 9.45 -165.84	382.93 11.04 -216.38	246.25 15.51 -2.73	232.55 14.26 -8.65	230.55 13.96 -11.41	244.46 11.12 -67.37	237.55 9.93 -89.79	227.32 10.60 -67.37	173.20 11.33 0.00



V_F_30_SYNC_DSASP 323786	152.81 4.11 -66.45	153.26 4.23 -64.32	158.04 4.15 -70.91	147.12 4.17 -57.95	140.61 4.25 -51.35	140.43 4.27 -50.81	152.46 4.26 -62.93	247.28 4.69 -157.24	260.76 5.05 -167.11	244.68 5.38 -149.66	246.65 5.06 -152.90	252.30 5.06 -158.45	252.88 5.05 -159.23	237.86 4.98 -145.46	233.84 4.91 -139.63	263.92 6.44 -120.37	314.91 6.84 -152.56	239.56 9.58 -1.98	224.70 8.81 -6.25	222.04 8.62 -8.25	221.31 6.64 -48.71	208.73 5.93 -64.97	205.07 7.02 -48.71	169.48 7.61 0.00
V_XM_10_SYNC_DSASP 323789	80.85 -1.40 0.00	83.34 -1.36 0.00	81.65 -1.33 0.00	84.16 -0.85 0.00	84.24 -0.77 0.00	84.15 -1.19 0.00	83.64 -1.62 0.00	83.73 -1.62 0.00	86.48 -2.13 0.00	87.66 -1.97 0.00	87.18 -1.51 0.00	87.36 -1.42 0.00	87.28 -1.33 0.00	86.37 -1.05 0.00	87.87 -1.43 0.00	136.56 -0.55 0.00	154.73 -0.77 0.00	228.24 0.23 0.00	209.85 0.21 0.00	205.18 0.00 0.00	166.29 0.33 0.00	137.97 0.14 0.00	149.19 -0.15 0.00	163.16 1.29 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	139.41 5.26 -51.90	140.10 5.17 -50.24	143.17 4.81 -55.38	135.28 5.02 -45.26	130.05 4.93 -40.11	130.32 5.29 -39.68	139.87 5.46 -49.15	137.91 6.23 -46.33	134.78 7.09 -39.09	145.00 7.17 -48.20	163.44 7.10 -67.65	153.72 7.19 -57.74	150.53 7.18 -54.75	152.15 6.99 -57.74	156.35 7.23 -59.82	171.01 10.01 -23.90	186.61 11.04 -20.06	243.90 15.28 -0.62	225.23 13.63 -1.95	221.30 13.54 -2.58	191.98 10.79 -15.23	167.61 9.37 -20.41	174.28 9.71 -15.23	171.58 9.71 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	142.28 6.00 -54.02	142.83 5.84 -52.29	146.10 5.48 -57.64	137.73 5.61 -47.11	132.37 5.61 -41.75	132.63 5.97 -41.30	142.65 6.22 -51.16	140.88 7.17 -48.36	137.60 8.15 -40.84	148.16 8.25 -50.28	167.35 8.16 -70.50	157.34 8.35 -60.21	154.04 8.33 -57.10	155.74 8.13 -60.19	160.04 8.39 -62.34	173.62 11.52 -24.99	189.32 12.75 -21.06	246.21 17.56 -0.64	227.40 15.72 -2.04	223.46 15.59 -2.69	194.44 12.61 -15.87	169.98 10.89 -21.26	176.41 11.20 -15.87	173.20 11.33 0.00
W50THST__13_KV_LOAD 356117	142.77 6.50 -54.02	143.34 6.35 -52.29	146.51 5.89 -57.64	138.24 6.12 -47.11	132.88 6.12 -41.75	133.14 6.49 -41.30	143.16 6.74 -51.16	141.39 7.68 -48.36	138.22 8.77 -40.84	148.79 8.87 -50.28	167.97 8.78 -70.50	157.96 8.97 -60.21	154.66 8.95 -57.10	156.35 8.74 -60.19	160.66 9.02 -62.34	174.58 12.48 -24.99	190.56 14.00 -21.06	247.80 19.15 -0.64	228.87 17.19 -2.04	224.89 17.03 -2.69	195.60 13.77 -15.87	170.81 11.72 -21.26	177.46 12.25 -15.87	174.33 12.46 0.00
WADING RIVER_IC_1 23522	147.85 9.87 -55.73	148.24 9.57 -53.98	149.43 8.79 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.16 10.41 -43.40	148.51 10.40 -52.85	148.51 11.27 -51.89	148.97 12.31 -48.05	153.72 12.02 -52.07	177.09 11.09 -77.31	169.73 11.28 -69.66	164.98 11.07 -65.30	166.20 10.57 -68.21	171.44 10.98 -71.15	185.19 16.03 -32.05	202.17 18.81 -27.85	260.51 25.08 -7.42	223.29 23.68 10.03	220.97 22.37 6.57	201.80 17.58 -18.26	175.72 14.07 -23.82	163.81 15.24 0.78	163.59 16.68 14.95
WADING RIVER_IC_2 23547	147.85 9.87 -55.73	148.24 9.57 -53.98	149.43 8.79 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.16 10.41 -43.40	148.51 10.40 -52.85	148.51 11.27 -51.89	148.97 12.31 -48.05	153.72 12.02 -52.07	177.09 11.09 -77.31	169.73 11.28 -69.66	164.98 11.07 -65.30	166.20 10.57 -68.21	171.44 10.98 -71.15	185.19 16.03 -32.05	202.17 18.81 -27.85	260.51 25.08 -7.42	223.29 23.68 10.03	220.97 22.37 6.57	201.80 17.58 -18.26	175.72 14.07 -23.82	163.81 15.24 0.78	163.59 16.68 14.95
WADING RIVER_IC_3 23601	147.85 9.87 -55.73	148.24 9.57 -53.98	149.43 8.79 -57.66	141.56 9.43 -47.12	136.45 9.69 -41.76	139.16 10.41 -43.40	148.51 10.40 -52.85	148.51 11.27 -51.89	148.97 12.31 -48.05	153.72 12.02 -52.07	177.09 11.09 -77.31	169.73 11.28 -69.66	164.98 11.07 -65.30	166.20 10.57 -68.21	171.44 10.98 -71.15	185.19 16.03 -32.05	202.17 18.81 -27.85	260.51 25.08 -7.42	223.29 23.68 10.03	220.97 22.37 6.57	201.80 17.58 -18.26	175.72 14.07 -23.82	163.81 15.24 0.78	163.59 16.68 14.95
WALDENNY_12_KV_BK2 80841	87.90 -3.45 -9.11	89.79 -3.73 -8.82	89.05 -3.65 -9.72	88.87 -4.08 -7.94	88.14 -3.91 -7.04	89.07 -3.24 -6.96	89.88 -4.01 -8.62	85.30 -5.46 -5.41	89.02 -5.14 -5.55	92.04 -5.56 -7.96	94.63 -6.03 -11.97	92.56 -5.95 -9.73	91.75 -5.94 -9.08	91.39 -6.12 -10.09	94.19 -5.80 -10.69	128.79 -11.11 -2.79	144.00 -11.51 0.00	206.24 -21.89 -0.12	188.84 -21.17 -0.37	185.35 -20.31 -0.49	153.55 -15.27 -2.86	126.36 -15.30 -3.83	139.06 -13.14 -2.86	149.73 -12.14 0.00
WALDEN__HYDRO 24148	139.61 5.10 -52.26	140.28 5.00 -50.58	143.47 4.73 -55.76	135.42 4.85 -45.57	130.15 4.76 -40.38	130.43 5.12 -39.96	139.95 5.20 -49.49	138.58 5.89 -47.34	135.53 6.73 -40.19	145.60 6.81 -49.15	164.02 6.74 -68.59	154.27 6.75 -58.74	151.19 6.82 -55.76	152.71 6.64 -58.65	156.95 6.97 -60.68	171.40 9.60 -24.70	187.18 10.57 -21.10	243.46 14.82 -0.63	224.84 13.21 -1.99	220.93 13.13 -2.63	191.94 10.46 -15.52	167.72 9.10 -20.80	174.12 9.26 -15.52	171.42 9.55 0.00
WARRENSBURG____ 23737	156.41 6.00 -68.16	156.94 6.27 -65.97	161.85 6.14 -72.73	150.57 6.12 -59.44	143.88 6.20 -52.67	143.78 6.32 -52.11	156.21 6.40 -64.54	300.57 4.52 -210.70	324.18 5.05 -230.52	292.68 5.11 -197.94	284.36 5.32 -190.34	299.53 5.51 -205.24	302.46 5.50 -208.36	278.10 5.33 -185.35	270.03 5.63 -175.10	314.27 8.36 -168.80	386.13 10.10 -220.52	245.17 14.37 -2.79	231.68 13.22 -8.82	229.54 12.73 -11.64	244.83 10.12 -68.75	240.75 11.30 -91.61	230.04 11.95 -68.75	174.50 12.63 0.00
WATERSIDE__6 8 9 23538	142.20 5.92 -54.03	142.59 5.59 -52.30	145.86 5.23 -57.65	137.48 5.36 -47.12	132.20 5.44 -41.76	132.47 5.80 -41.31	142.31 5.88 -51.17	140.63 6.91 -48.37	137.43 7.97 -40.85	147.99 8.07 -50.29	167.28 8.07 -70.52	157.17 8.17 -60.22	154.05 8.33 -57.11	155.75 8.13 -60.21	159.96 8.31 -62.35	173.49 11.38 -25.00	188.70 12.13 -21.06	245.07 16.42 -0.64	226.36 14.68 -2.04	222.43 14.57 -2.69	193.78 11.95 -15.87	169.85 10.75 -21.27	176.41 11.20 -15.87	173.36 11.49 0.00
WATKINRD_115KV_LN8_ILLION 55919	83.98 1.73 0.00	86.48 1.78 0.00	84.72 1.74 0.00	86.88 1.87 0.00	86.96 1.96 0.00	87.48 2.13 0.00	87.40 2.13 0.00	87.57 2.22 0.00	91.18 2.57 0.00	92.41 2.78 0.00	91.44 2.75 0.00	91.63 2.84 0.00	91.44 2.84 0.00	90.04 2.62 0.00	92.07 2.77 0.00	140.81 3.70 0.00	159.70 4.20 0.00	233.94 5.93 0.00	214.88 5.24 0.00	210.30 5.13 0.00	169.94 3.98 0.00	141.00 3.17 0.00	152.93 3.58 0.00	165.59 3.72 0.00
WATSON__69_KV_BK 1 55734	148.56 9.95 -56.36	148.95 9.66 -54.59	149.44 8.80 -57.66	141.39 9.27 -47.12	136.29 9.52 -41.76	139.68 10.16 -44.17	148.96 10.23 -53.47	148.92 11.10 -52.48	149.43 12.14 -48.69	154.37 12.01 -52.72	179.15 10.82 -79.64	172.70 11.01 -72.90	167.44 10.72 -68.11	168.78 10.40 -70.96	174.28 10.81 -74.17	187.22 15.63 -34.48	204.04 18.35 -30.18	262.61 24.85 -9.75	224.82 22.22 7.05	223.03 21.95 4.10	204.16 17.43 -20.77	179.47 14.47 -27.17	165.30 15.68 -0.28	162.87 15.05 14.05
WDELAWARE__HYD 323627	136.22 4.77 -49.20	137.06 4.74 -47.62	139.96 4.48 -52.50	132.41 4.50 -42.90	127.45 4.42 -38.02	127.83 4.86 -37.62	136.89 5.03 -46.59	137.54 5.54 -46.65	135.41 6.46 -40.34	144.16 6.36 -48.16	161.08 6.39 -66.00	152.29 6.40 -57.11	149.39 6.38 -54.40	150.47 6.30 -56.75	154.57 6.78 -58.48	171.60 9.33 -25.17	188.95 10.88 -22.56	244.14 15.51 -0.62	225.43 13.83 -1.95	221.29 13.54 -2.58	191.96 10.78 -15.22	167.17 8.95 -20.39	173.67 9.11 -15.22	171.25 9.38 0.00



WEST BABYLON___IC 23714	149.33 9.46 -57.62	149.77 9.23 -55.84	149.11 8.46 -57.66	140.89 8.76 -47.12	135.70 8.93 -41.76	140.64 9.56 -45.73	149.62 9.64 -54.72	149.50 10.50 -53.65	150.17 11.61 -49.95	155.15 11.47 -54.04	184.11 10.55 -84.86	179.69 10.74 -80.16	173.47 10.46 -74.41	174.77 10.23 -77.12	180.78 10.54 -80.94	192.10 15.08 -39.91	208.64 17.73 -35.40	267.15 24.17 -14.97	230.81 21.59 0.42	228.12 21.54 -1.40	209.20 16.93 -26.31	186.57 14.20 -34.54	167.15 15.38 -2.42	164.28 14.57 12.16
WEST CANADA___HYD 24049	82.99 0.74 0.00	85.46 0.76 0.00	83.72 0.75 0.00	85.77 0.76 0.00	85.86 0.85 0.00	86.29 0.94 0.00	86.12 0.85 0.00	86.20 0.85 0.00	89.67 1.07 0.00	90.80 1.16 0.00	89.76 1.07 0.00	89.85 1.07 0.00	89.67 1.07 0.00	88.47 1.05 0.00	90.38 1.08 0.00	138.34 1.23 0.00	156.90 1.40 0.00	230.06 2.05 0.00	211.31 1.67 0.00	206.81 1.63 0.00	167.28 1.32 0.00	138.93 1.10 0.00	150.68 1.34 0.00	163.16 1.29 0.00
WESTERN_NY_WIND 24143	88.10 -2.06 -7.90	89.89 -2.46 -7.65	89.01 -2.41 -8.43	89.09 -2.81 -6.89	88.39 -2.72 -6.11	89.26 -2.13 -6.04	90.02 -2.73 -7.48	86.12 -3.93 -4.70	89.91 -3.46 -4.76	92.62 -3.85 -6.84	94.76 -4.26 -10.33	92.90 -4.26 -8.38	92.08 -4.34 -7.81	91.65 -4.46 -8.69	94.41 -4.11 -9.21	129.49 -10.01 -2.39	145.86 -9.64 0.00	210.13 -18.01 -0.14	192.81 -17.19 -0.35	188.60 -17.03 -0.45	154.80 -13.61 -2.45	128.16 -12.96 -3.28	139.70 -12.10 -2.45	150.54 -11.33 0.00
WESTOVER___LESR 323668	100.54 0.58 -17.71	102.35 0.51 -17.14	102.46 0.58 -18.90	100.96 0.51 -15.45	99.21 0.51 -13.69	99.75 0.85 -13.54	102.72 0.68 -16.77	103.29 0.60 -17.34	105.03 0.97 -15.45	108.64 0.90 -18.11	113.90 0.80 -24.41	110.89 0.80 -21.31	109.76 0.80 -20.36	109.14 0.61 -21.11	111.88 0.89 -21.68	147.51 0.69 -9.72	165.74 1.40 -8.83	228.71 0.46 -0.24	209.58 -0.84 -0.77	205.58 -0.62 -1.02	171.64 -0.33 -6.01	144.77 -1.10 -8.04	155.05 -0.30 -6.01	161.87 0.00 0.00
WETHRSFD_WT_PWR 323626	89.50 -3.04 -10.29	91.53 -3.13 -9.96	90.98 -2.98 -10.98	90.67 -3.32 -8.98	89.82 -3.14 -7.95	90.83 -2.39 -7.87	91.95 -3.07 -9.75	90.96 -4.10 -9.71	93.05 -3.90 -8.34	95.24 -4.39 -9.99	97.55 -4.88 -13.73	95.85 -4.80 -11.87	95.20 -4.70 -11.30	94.24 -4.98 -11.80	96.82 -4.65 -12.16	133.25 -9.05 -5.20	150.20 -9.96 -4.65	209.22 -18.92 -0.13	191.60 -18.45 -0.40	187.65 -18.06 -0.53	154.00 -15.10 -3.14	129.50 -12.54 -4.21	141.59 -10.90 -3.14	151.35 -10.52 0.00
WHAVSTOR_138KV_BK127 55557	139.22 5.02 -51.95	139.90 4.91 -50.29	142.98 4.56 -55.44	135.07 4.76 -45.30	129.83 4.68 -40.15	130.11 5.04 -39.72	139.67 5.20 -49.20	137.62 5.89 -46.38	134.56 6.82 -39.13	144.70 6.81 -48.25	163.16 6.74 -67.73	153.43 6.84 -57.80	150.24 6.82 -54.81	151.87 6.64 -57.81	156.06 6.88 -59.88	170.49 9.46 -23.93	186.01 10.42 -20.09	242.99 14.36 -0.62	224.39 12.79 -1.96	220.48 12.72 -2.58	191.33 10.12 -15.24	167.08 8.82 -20.43	173.70 9.11 -15.24	171.10 9.23 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	139.22 5.02 -51.95	139.90 4.91 -50.29	142.98 4.56 -55.44	135.07 4.76 -45.30	129.83 4.68 -40.15	130.11 5.04 -39.72	139.67 5.20 -49.20	137.62 5.89 -46.38	134.56 6.82 -39.13	144.70 6.81 -48.25	163.16 6.74 -67.73	153.43 6.84 -57.80	150.24 6.82 -54.81	151.87 6.64 -57.81	156.06 6.88 -59.88	170.49 9.46 -23.93	186.01 10.42 -20.09	242.99 14.36 -0.62	224.39 12.79 -1.96	220.48 12.72 -2.58	191.33 10.12 -15.24	167.08 8.82 -20.43	173.70 9.11 -15.24	171.10 9.23 0.00
WHITEHAL_115KV_TB1 80871	158.06 7.73 -68.08	158.64 8.05 -65.89	163.50 7.88 -72.64	152.28 7.91 -59.36	145.69 8.08 -52.61	145.59 8.19 -52.05	158.09 8.36 -64.47	301.50 6.83 -209.33	324.96 7.44 -228.91	293.87 7.53 -196.70	285.86 7.80 -189.36	300.90 8.08 -204.03	303.76 8.06 -207.09	279.51 7.78 -184.31	271.60 8.13 -174.17	317.02 12.34 -167.57	389.39 15.08 -218.80	252.89 22.12 -2.77	238.52 20.13 -8.75	236.22 19.49 -11.55	253.08 18.92 -68.20	243.60 14.89 -90.88	233.37 15.83 -68.20	178.54 16.67 0.00
WHITEPLN_13_KV_LOAD 356215	142.42 6.25 -53.92	142.99 6.10 -52.19	146.24 5.73 -57.53	137.89 5.87 -47.02	132.46 5.78 -41.67	132.81 6.23 -41.23	142.72 6.39 -51.06	140.96 7.34 -48.27	137.79 8.42 -40.77	148.25 8.43 -50.19	167.31 8.25 -70.37	157.23 8.35 -60.10	154.02 8.42 -57.00	155.81 8.30 -60.08	160.10 8.57 -62.23	173.99 11.93 -24.95	189.91 13.37 -21.03	247.35 18.70 -0.64	228.45 16.77 -2.03	224.48 16.62 -2.68	195.08 13.28 -15.84	170.36 11.30 -21.23	176.83 11.65 -15.84	173.85 11.98 0.00
WM_FLOYD_69_KV_BK2 356380	147.72 9.71 -55.77	148.11 9.40 -54.01	149.19 8.55 -57.66	141.31 9.18 -47.12	136.20 9.44 -41.76	138.95 10.16 -43.45	148.21 10.06 -52.88	148.20 10.92 -51.92	148.66 11.96 -48.09	153.48 11.74 -52.10	176.51 10.38 -77.44	169.29 10.65 -69.85	164.43 10.37 -65.46	165.93 10.14 -68.37	171.16 10.54 -71.32	184.52 15.22 -32.19	201.53 18.04 -27.98	259.27 23.71 -7.55	220.96 21.17 9.86	219.68 20.93 6.43	200.99 16.60 -18.43	175.67 13.78 -24.05	163.59 14.93 0.69	161.21 14.24 14.90
WOODARD___115KV_TB2 355635	86.74 -0.58 -5.06	88.92 -0.68 -4.90	87.72 -0.66 -5.40	88.66 -0.77 -4.42	88.16 -0.77 -3.91	88.71 -0.51 -3.87	89.63 -0.43 -4.80	87.93 -0.43 -3.01	88.75 -0.18 -0.32	91.30 0.00 -1.66	92.50 -0.09 -3.89	91.34 -0.09 -2.65	90.71 -0.18 -2.28	89.91 -0.35 -2.85	92.30 -0.18 -3.18	135.74 -1.37 0.00	154.42 -1.09 0.00	225.04 -3.35 0.00	206.29 -3.49 0.00	201.69 -2.99 0.00	162.97 -2.76 0.00	135.09 -2.76 -0.02	146.51 -2.84 0.00	158.79 -3.08 0.00
YORK___WARBASSE 23770	442.53 6.25 -354.03	370.85 5.93 -280.22	370.76 5.48 -282.31	512.82 5.70 -422.12	370.82 5.78 -280.04	393.05 5.89 -301.82	413.09 5.97 -321.86	410.30 6.83 -318.12	437.25 7.80 -340.85	672.81 7.89 -575.29	467.10 7.89 -370.52	410.96 8.08 -314.10	678.87 8.15 -582.11	412.66 8.04 -317.21	684.87 8.22 -587.35	390.80 11.24 -242.45	488.54 11.97 -321.06	544.84 16.19 -300.64	601.36 14.68 -377.04	389.15 14.36 -169.62	293.45 11.62 -115.87	469.85 10.75 -321.27	551.56 11.35 -390.87	473.69 11.82 -300.00