

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses															--- Marginal Cost of Congestion										12/23/2024		
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
59TH STREET_GT_1	24138	142.43	138.38	133.89	133.19	138.15	144.99	168.77	191.58	185.47	178.20	151.44	148.84	147.47	145.47	149.87	147.45	168.97	192.12	188.50	172.36	158.90	145.32	143.29	138.43				
		8.96	8.39	7.91	7.54	6.59	7.15	11.04	11.33	11.43	11.45	7.42	7.56	7.29	7.79	6.89	8.37	7.69	8.43	8.18	7.46	7.18	7.02	8.71	6.57				
		-17.13	-22.49	-23.28	-27.73	-43.75	-39.82	-12.46	-36.80	-34.72	-31.95	-58.66	-55.37	-58.22	-51.10	-63.78	-47.14	-75.84	-91.05	-90.38	-83.77	-72.85	-62.77	-42.97	-56.34				
74TH STREET_GT_1	24260	142.55	138.49	133.99	133.29	138.33	145.00	168.34	191.15	185.05	177.79	151.32	148.72	147.45	145.26	149.76	147.15	168.84	192.10	188.40	172.19	158.59	145.10	143.38	138.51				
		9.07	8.49	8.01	7.64	6.76	7.16	10.61	10.90	11.01	11.05	7.34	7.47	7.29	7.62	6.81	8.09	7.60	8.34	8.00	7.22	6.86	6.80	8.79	6.65				
		-17.13	-22.49	-23.28	-27.73	-43.76	-39.82	-12.46	-36.78	-34.72	-31.94	-58.63	-55.34	-58.19	-51.07	-63.75	-47.12	-75.80	-91.13	-90.46	-83.84	-72.86	-62.78	-42.98	-56.35				
74TH STREET_GT_2	24261	142.55	138.49	133.99	133.29	138.33	145.00	168.34	191.15	185.05	177.79	151.32	148.72	147.45	145.26	149.76	147.15	168.84	192.10	188.40	172.19	158.59	145.10	143.38	138.51				
		9.07	8.49	8.01	7.64	6.76	7.16	10.61	10.90	11.01	11.05	7.34	7.47	7.29	7.62	6.81	8.09	7.60	8.34	8.00	7.22	6.86	6.80	8.79	6.65				
		-17.13	-22.49	-23.28	-27.73	-43.76	-39.82	-12.46	-36.78	-34.72	-31.94	-58.63	-55.34	-58.19	-51.07	-63.75	-47.12	-75.80	-91.13	-90.46	-83.84	-72.86	-62.78	-42.98	-56.35				
ADK HUDSON___FALLS	24011	146.31	143.62	139.61	140.19	150.09	156.48	278.50	330.25	344.59	231.29	166.58	162.70	162.14	156.38	165.21	157.69	188.18	215.57	211.92	193.88	177.18	160.32	151.51	151.24				
		8.03	7.31	7.09	6.76	6.23	7.45	11.19	11.19	11.15	10.38	6.06	5.84	5.57	4.33	4.28	5.33	5.55	6.11	6.03	5.27	4.89	4.30	4.86	3.55				
		-21.94	-28.81	-29.83	-35.52	-56.05	-51.01	-122.04	-175.60	-194.12	-86.11	-75.17	-70.96	-74.61	-65.48	-81.74	-60.41	-97.19	-116.82	-115.96	-107.48	-93.42	-80.49	-55.05	-72.17				
ADK RESOURCE___RCVRY	23798	146.68	143.97	140.03	140.61	150.48	156.91	279.90	331.96	346.39	232.28	167.02	163.14	162.57	156.72	165.55	158.04	188.55	216.05	212.30	194.22	177.33	160.45	151.64	151.37				
		8.38	7.63	7.49	7.14	6.59	7.84	11.91	12.05	11.98	11.06	6.40	6.19	5.90	4.59	4.51	5.61	5.81	6.58	6.39	5.59	4.97	4.38	4.94	3.62				
		-21.95	-28.83	-29.85	-35.55	-56.09	-51.04	-122.71	-176.45	-195.08	-86.43	-75.26	-71.05	-74.70	-65.56	-81.84	-60.48	-97.31	-116.84	-115.98	-107.49	-93.48	-80.55	-55.09	-72.22				
ADK S GLENS___FALLS	24028	146.31	143.62	139.61	140.19	150.09	156.48	278.50	330.25	344.59	231.29	166.58	162.70	162.14	156.38	165.21	157.69	188.18	215.57	211.92	193.88	177.18	160.32	151.51	151.24				
		8.03	7.31	7.09	6.76	6.23	7.45	11.19	11.19	11.15	10.38	6.06	5.84	5.57	4.33	4.28	5.33	5.55	6.11	6.03	5.27	4.89	4.30	4.86	3.55				
		-21.94	-28.81	-29.83	-35.52	-56.05	-51.01	-122.04	-175.60	-194.12	-86.11	-75.17	-70.96	-74.61	-65.48	-81.74	-60.41	-97.19	-116.82	-115.96	-107.48	-93.42	-80.49	-55.05	-72.17				
ADK_NYS___DAM	23527	144.83	142.06	137.93	138.34	147.47	153.57	241.81	284.68	292.00	213.96	163.67	160.11	159.42	155.45	163.27	156.75	185.42	212.25	208.51	190.70	174.78	158.49	151.09	149.87				
		7.33	6.78	6.47	6.17	5.62	6.37	9.88	9.47	9.19	9.29	5.81	5.76	5.49	5.71	5.23	6.53	6.23	7.04	6.83	6.00	5.84	5.36	6.41	4.76				
		-21.15	-27.78	-28.76	-34.25	-54.04	-49.18	-86.65	-131.76	-143.49	-69.87	-72.51	-68.45	-71.97	-63.17	-78.84	-58.27	-93.75	-112.57	-111.74	-103.57	-90.07	-77.61	-53.08	-69.59				
AIR_PRODUCTS___DRP	24190	142.51	139.96	136.04	136.58	145.94	151.61	215.88	254.31	257.35	201.07	162.01	158.50	157.85	153.89	161.96	153.29	182.09	208.34	204.74	187.47	171.53	155.70	147.65	148.69				
		4.89	4.52	4.42	4.21	3.78	4.12	5.96	5.59	5.57	5.66	3.76	3.78	3.52	3.81	3.48	2.76	2.39	2.41	2.34	2.11	2.05	2.11	2.66	3.17				
		-21.28	-27.94	-28.93	-34.45	-54.36	-49.47	-64.65	-105.26	-112.45	-60.61	-72.91	-68.82	-72.36	-63.51	-79.27	-58.59	-94.26	-113.30	-112.46	-104.24	-90.61	-78.07	-53.39	-70.00				
AKWESSNE_115KV_BK	355683	116.23	107.50	102.80	97.91	87.72	98.12	144.84	143.03	138.91	134.12	85.10	85.56	81.63	86.23	78.88	91.39	84.83	91.90	89.04	80.32	78.00	75.07	90.78	75.07				
		-0.12	0.00	0.10	0.00	-0.09	0.10	-0.44	-0.43	-0.42	-0.67	-0.26	-0.34	-0.33	-0.35	-0.32	-0.55	-0.60	-0.74	-0.90	-0.81	-0.87	-0.45	-0.82	-0.45				
		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	143.04	140.30	136.22	136.62	145.55	151.47	201.98	236.56	236.47	194.25	160.53	157.09	156.46	152.66	160.61	153.25	181.58	207.67	204.12	186.79	171.11	155.39	147.94	147.77				
		5.81	5.37	5.13	4.89	4.39	4.90	7.26	6.74	6.55	5.92	3.58	3.61	3.44	3.72	3.57	3.77	3.59	3.89	3.86	3.41	3.31	3.25	3.94	3.55				
		-20.88	-27.42	-28.39	-33.82	-53.35	-48.55	-49.44	-86.36	-90.60	-53.53	-71.59	-67.58	-71.06	-62.36	-77.84	-57.53	-92.56	-111.14	-110.32	-102.25	-88.93	-76.62	-52.40	-68.70				
ALBANY_2_SOLAR	323834	142.93	140.20	136.22	136.63	145.55	151.48	201.82	236.54	236.31	194.24	160.53	157.10	156.47	152.66	160.62	153.25	181.59	207.68	204.05	186.80	171.12	155.32	147.95	147.78				
		5.70	5.27	5.13	4.89	4.39	4.90	7.12	6.74	6.41	5.92	3.58	3.61	3.44	3.72	3.57	3.77	3.59	3.89	3.78	3.41	3.31	3.17	3.94	3.55				
		-20.89	-27.43	-28.39	-33.82	-53.36	-48.56	-49.42	-86.34	-90.57	-53.52	-71.60	-67.59	-71.06	-62.37	-77.85	-57.54	-92.57	-111.15	-110.33	-102.26	-88.94	-76.63	-52.41	-68.71				
ALBANY___1	23571	142.51	139.96	136.04	136.58	145.94	151.61	215.88	254.31	257.35	201.07	162.01	158.50	157.85	153.89	161.96	153.29	182.09	208.34	204.74	187.47	171.53	155.70	147.65	148.69				
		4.89	4.52	4.42	4.21	3.78	4.12	5.96	5.59	5.57	5.66	3.76	3.78	3.52	3.81	3.48	2.76	2.39	2.41	2.34	2.11	2.05	2.11	2.66	3.17				
		-21.28	-27.94	-28.93	-34.45	-54.36	-49.47	-64.65	-105.26	-112.45	-60.61	-72.91	-68.82	-72.36	-63.51	-79.27	-58.59	-94.26	-113.30	-112.46	-104.24	-90.61	-78.07	-53.39	-70.00				



ALBANY___2 23572	142.51 4.89 -21.28	139.96 4.52 -27.94	136.04 4.42 -28.93	136.58 4.21 -34.45	145.94 3.78 -54.36	151.61 4.12 -49.47	215.88 5.96 -64.65	254.31 5.59 -105.26	257.35 5.57 -112.45	201.07 5.66 -60.61	162.01 3.76 -72.91	158.50 3.78 -68.82	157.85 3.52 -72.36	153.89 3.81 -63.51	161.96 3.48 -79.27	153.29 2.76 -58.59	182.09 2.39 -94.26	208.34 2.41 -113.30	204.74 2.34 -112.46	187.47 2.11 -104.24	171.53 2.05 -90.61	155.70 2.11 -78.07	147.65 2.66 -53.39	148.69 3.17 -70.00
ALBANY___3 23573	142.51 4.89 -21.28	139.96 4.52 -27.94	136.04 4.42 -28.93	136.58 4.21 -34.45	145.94 3.78 -54.36	151.61 4.12 -49.47	215.88 5.96 -64.65	254.31 5.59 -105.26	257.35 5.57 -112.45	201.07 5.66 -60.61	162.01 3.76 -72.91	158.50 3.78 -68.82	157.85 3.52 -72.36	153.89 3.81 -63.51	161.96 3.48 -79.27	153.29 2.76 -58.59	182.09 2.39 -94.26	208.34 2.41 -113.30	204.74 2.34 -112.46	187.47 2.11 -104.24	171.53 2.05 -90.61	155.70 2.11 -78.07	147.65 2.66 -53.39	148.69 3.17 -70.00
ALBANY___4 23574	142.51 4.89 -21.28	139.96 4.52 -27.94	136.04 4.42 -28.93	136.58 4.21 -34.45	145.94 3.78 -54.36	151.61 4.12 -49.47	215.88 5.96 -64.65	254.31 5.59 -105.26	257.35 5.57 -112.45	201.07 5.66 -60.61	162.01 3.76 -72.91	158.50 3.78 -68.82	157.85 3.52 -72.36	153.89 3.81 -63.51	161.96 3.48 -79.27	153.29 2.76 -58.59	182.09 2.39 -94.26	208.34 2.41 -113.30	204.74 2.34 -112.46	187.47 2.11 -104.24	171.53 2.05 -90.61	155.70 2.11 -78.07	147.65 2.66 -53.39	148.69 3.17 -70.00
ALBANY___LFGE 323615	143.50 5.70 -21.46	140.85 5.16 -28.18	136.90 5.03 -29.18	137.46 4.80 -34.75	146.94 4.30 -54.83	152.72 4.80 -49.90	233.86 6.97 -81.61	276.25 6.74 -126.05	282.72 6.83 -136.57	209.67 6.74 -68.13	163.28 4.35 -73.57	159.73 4.38 -69.45	159.08 4.10 -73.02	155.08 4.41 -64.09	163.23 4.04 -80.00	154.75 3.68 -59.13	183.80 3.25 -95.12	210.37 3.52 -114.22	206.73 3.42 -113.38	189.22 3.00 -105.08	173.18 2.92 -91.39	157.06 2.80 -78.74	149.03 3.57 -53.85	149.75 3.62 -70.60
ALCOA_PA_115KV_PL-6C 55860	116.46 0.12 0.00	107.72 0.22 0.00	103.00 0.31 0.00	98.11 0.20 0.00	87.89 0.09 0.00	98.31 0.29 0.00	145.13 -0.15 0.00	143.31 -0.14 0.00	139.18 -0.14 0.00	134.26 -0.54 0.00	85.10 -0.26 0.00	85.65 -0.26 0.00	81.71 -0.25 0.00	86.31 -0.26 0.00	78.96 -0.24 0.00	91.48 -0.46 0.00	84.92 -0.51 0.00	91.99 -0.65 0.00	89.13 -0.81 0.00	80.40 -0.73 0.00	78.08 -0.79 0.00	75.14 -0.38 0.00	90.87 -0.73 0.00	75.22 -0.30 0.00
ALCOA_RYNLDS___DRP 24188	116.46 0.12 0.00	107.72 0.22 0.00	103.00 0.31 0.00	98.11 0.20 0.00	87.89 0.09 0.00	98.31 0.29 0.00	145.13 -0.15 0.00	143.31 -0.14 0.00	139.18 -0.14 0.00	134.26 -0.54 0.00	85.10 -0.26 0.00	85.65 -0.26 0.00	81.71 -0.25 0.00	86.31 -0.26 0.00	78.96 -0.24 0.00	91.48 -0.46 0.00	84.92 -0.51 0.00	91.99 -0.65 0.00	89.13 -0.81 0.00	80.40 -0.73 0.00	78.08 -0.79 0.00	75.14 -0.38 0.00	90.87 -0.73 0.00	75.22 -0.30 0.00
ALCOA___DSASP 323711	116.46 0.12 0.00	107.72 0.22 0.00	103.01 0.31 0.00	98.11 0.20 0.00	87.89 0.09 0.00	98.41 0.39 0.00	145.13 -0.15 0.00	143.31 -0.14 0.00	139.18 -0.14 0.00	134.26 -0.54 0.00	85.10 -0.26 0.00	85.65 -0.26 0.00	81.71 -0.25 0.00	86.31 -0.26 0.00	78.96 -0.24 0.00	91.49 -0.46 0.00	84.92 -0.51 0.00	91.99 -0.64 0.00	89.13 -0.81 0.00	80.40 -0.73 0.00	78.08 -0.79 0.00	75.07 -0.45 0.00	90.87 -0.74 0.00	75.22 -0.30 0.00
ALLEGHENY___COGEN 23514	104.46 -14.89 -3.01	97.80 -13.65 -3.95	94.77 -12.02 -4.09	91.63 -11.16 -4.88	85.67 -9.83 -7.69	94.14 -10.88 -7.00	128.13 -17.14 0.00	130.28 -16.78 -3.61	126.15 -17.83 -4.67	121.91 -18.46 -5.58	83.94 -11.18 -9.76	83.52 -11.60 -9.22	80.58 -11.07 -9.69	83.30 -11.77 -8.50	79.44 -10.37 -10.61	88.29 -11.50 -7.85	88.23 -9.82 -12.62	96.87 -10.93 -15.17	95.46 -9.54 -15.06	86.41 -8.68 -13.96	82.80 -8.20 -12.14	77.59 -8.39 -10.46	89.08 -10.08 -7.56	82.10 -3.32 -9.91
ALTAMONT_115KV_TB 2 55880	141.94 4.30 -21.29	139.43 3.98 -27.95	135.54 3.90 -28.94	136.10 3.72 -34.47	145.53 3.34 -54.38	151.14 3.63 -49.49	202.95 5.52 -52.15	238.76 5.16 -90.14	239.28 5.15 -94.80	195.21 5.12 -55.29	161.53 3.24 -72.94	158.02 3.26 -68.85	157.47 3.11 -72.39	153.40 3.29 -63.54	161.51 3.01 -79.31	153.87 3.31 -58.62	182.81 3.08 -94.30	209.32 3.33 -113.34	205.68 3.24 -112.51	188.33 2.92 -104.28	172.35 2.84 -90.64	156.34 2.72 -78.10	148.41 3.39 -53.42	148.42 2.87 -70.03
ALTONA_WT_PWR 323606	117.27 0.93 0.00	108.47 0.97 0.00	103.72 1.03 0.00	98.89 0.98 0.00	88.51 0.70 0.00	99.20 1.18 0.00	146.58 1.30 0.00	144.75 1.29 0.00	140.43 1.11 0.00	135.48 0.68 0.00	85.87 0.52 0.00	86.42 0.52 0.00	82.45 0.49 0.00	87.10 0.52 0.00	79.68 0.48 0.00	92.22 0.28 0.00	85.60 0.17 0.00	92.64 0.00 0.00	89.76 -0.18 0.00	80.81 -0.32 0.00	78.40 -0.47 0.00	75.44 -0.08 0.00	91.06 -0.55 0.00	75.37 -0.15 0.00
AMERICAN_REF_FUEL 24010	103.46 -15.59 -2.70	96.97 -14.08 -3.54	93.22 -13.15 -3.67	89.85 -12.44 -4.37	83.81 -10.89 -6.89	91.55 -12.74 -6.27	125.52 -19.76 0.00	125.49 -20.66 -2.68	122.97 -20.48 -4.12	119.27 -20.09 -4.56	79.64 -12.97 -7.26	79.53 -13.23 -6.85	76.71 -12.46 -7.20	79.48 -13.42 -6.32	74.89 -12.19 -7.89	83.34 -14.43 -5.83	81.66 -13.15 -9.38	89.78 -14.17 -11.31	87.76 -13.40 -11.23	79.61 -11.92 -10.41	76.80 -11.12 -9.05	72.29 -11.03 -7.80	86.19 -12.18 -6.77	75.49 -8.91 -8.88
ARKWRIGHT___SUMMIT_WT_PWR 323751	108.88 -10.47 -3.01	101.99 -9.46 -3.95	97.75 -9.04 -4.09	94.07 -8.71 -4.87	87.58 -7.90 -7.68	95.69 -9.31 -6.99	133.07 -12.20 0.00	131.80 -14.77 -3.11	131.30 -12.68 -4.66	125.86 -14.15 -5.21	84.47 -9.30 -8.42	84.40 -9.45 -7.95	81.30 -9.02 -8.36	84.04 -9.87 -7.33	78.93 -9.43 -9.15	87.58 -11.13 -6.77	86.32 -10.00 -10.88	95.08 -10.65 -13.10	92.77 -10.16 -13.00	84.01 -9.17 -12.05	80.67 -8.68 -10.48	75.79 -8.76 -9.03	89.17 -9.98 -7.54	78.31 -7.10 -9.89
ARTHUR KILL_GT_1 23520	107.60 9.65 18.40	107.56 8.92 8.86	107.56 8.42 3.56	107.55 8.03 -1.60	107.60 7.11 -12.68	107.98 7.65 -2.30	137.63 10.47 18.11	161.33 10.62 -7.26	136.30 10.87 13.90	131.89 10.79 13.70	106.69 7.68 -13.66	106.68 7.82 -12.97	106.67 7.54 -17.18	106.69 7.96 -12.15	106.67 7.13 -20.35	112.76 8.09 -12.73	117.45 7.77 -24.25	131.13 8.43 -30.06	121.83 8.27 -23.63	121.72 7.38 -33.21	112.71 7.18 -26.67	111.79 7.02 -29.24	108.70 9.25 -7.84	106.65 6.94 -24.19
ARTHUR_KILL_2 23512	107.26 9.31 18.40	107.25 8.60 8.86	107.25 8.11 3.56	107.25 7.73 -1.60	107.25 6.76 -12.68	107.68 7.36 -2.30	137.05 9.88 18.11	160.75 10.04 -7.26	135.88 10.45 13.90	131.48 10.38 13.70	106.43 7.42 -13.66	106.43 7.56 -12.97	106.43 7.29 -17.18	106.43 7.70 -12.15	106.43 6.89 -20.35	112.48 7.81 -12.73	117.20 7.52 -24.25	130.75 8.06 -30.06	121.48 7.92 -23.63	121.48 7.14 -33.21	112.48 6.94 -26.67	111.48 6.72 -29.24	108.43 8.98 -7.84	106.43 6.72 -24.19
ARTHUR_KILL_3 23513	105.63 7.68 18.39	105.86 7.20 8.85	105.92 6.78 3.55	105.98 6.46 -1.61	106.20 5.70 -12.69	106.41 6.08 -2.31	135.89 8.72 18.10	159.77 9.04 -7.26	134.62 9.19 13.89	130.28 9.17 13.69	105.33 6.32 -13.66	105.40 6.53 -12.97	105.37 6.23 -17.18	105.40 6.67 -12.16	105.41 5.86 -20.35	111.57 6.90 -12.73	116.18 6.49 -24.25	129.84 7.13 -30.07	120.49 6.93 -23.63	120.59 6.25 -33.21	111.53 5.99 -26.67	110.73 5.96 -29.25	107.15 7.70 -7.85	105.45 5.74 -24.20



ARTHUR_KILL_COGEN 323718	107.60 9.65 18.40	107.56 8.92 8.86	107.56 8.42 3.56	107.55 8.03 -1.60	107.60 7.11 -12.68	107.98 7.65 -2.30	137.63 10.47 18.11	161.33 10.62 -7.26	136.30 10.87 13.90	131.89 10.79 13.70	106.69 7.68 -13.66	106.68 7.82 -12.97	106.67 7.54 -17.18	106.69 7.96 -12.15	106.67 7.13 -20.35	112.76 8.09 -12.73	117.45 7.77 -24.25	131.13 8.43 -30.06	121.83 8.27 -23.63	121.72 7.38 -33.21	112.71 7.18 -26.67	111.79 7.02 -29.24	108.70 9.25 -7.84	106.65 6.94 -24.19
ASHOKAN____ 23654	142.57 6.98 -19.24	139.33 6.56 -25.27	135.23 6.37 -26.16	135.05 5.97 -31.16	142.15 5.18 -49.16	149.23 6.47 -44.74	192.82 9.44 -38.10	223.88 9.89 -70.53	222.62 10.31 -72.99	190.24 9.29 -46.15	156.57 5.29 -65.92	153.37 5.24 -62.23	152.14 4.75 -65.43	149.19 5.19 -57.42	155.79 4.91 -71.68	151.45 6.53 -52.98	176.98 6.32 -85.23	202.47 7.50 -102.33	198.89 7.38 -101.58	181.93 6.65 -94.15	167.06 6.31 -81.88	152.03 5.96 -70.55	146.77 6.87 -48.29	143.43 4.61 -63.31
ASTORIA_EAST_ENERGY_CC1 323581	142.09 8.61 -17.14	138.07 8.07 -22.50	133.70 7.71 -23.29	132.90 7.25 -27.74	138.07 6.50 -43.77	144.81 6.96 -39.83	169.22 11.47 -12.47	191.15 10.90 -36.80	184.21 10.17 -34.72	177.27 10.52 -31.95	150.86 6.83 -58.68	148.25 6.96 -55.39	146.92 6.72 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	147.18 8.09 -47.15	168.30 7.01 -75.86	191.57 7.87 -91.07	188.07 7.74 -90.39	171.89 6.98 -83.78	158.83 7.10 -72.86	145.49 7.18 -62.79	143.02 8.42 -42.99	138.07 6.19 -56.36
ASTORIA_EAST_ENERGY_CC2 323582	142.21 8.73 -17.14	138.07 8.07 -22.50	133.70 7.71 -23.29	133.00 7.35 -27.74	138.07 6.50 -43.77	144.81 6.96 -39.83	169.22 11.47 -12.47	191.15 10.90 -36.80	184.21 10.17 -34.72	177.27 10.52 -31.95	150.86 6.83 -58.68	148.25 6.96 -55.39	146.92 6.72 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	147.18 8.09 -47.15	168.30 7.01 -75.86	191.57 7.87 -91.07	188.07 7.74 -90.39	171.89 6.98 -83.78	158.83 7.10 -72.86	145.49 7.18 -62.79	143.11 8.52 -42.99	138.14 6.26 -56.36
ASTORIA_GT2_1 24094	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT2_2 24095	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT2_3 24096	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT2_4 24097	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT3_1 24098	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT3_2 24099	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT3_3 24100	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT3_4 24101	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT4_1 24102	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT4_2 24103	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT4_3 24104	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36



ASTORIA_GT4_4 24105	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	133.00 7.34 -27.74	138.07 6.50 -43.77	145.50 7.65 -39.83	169.21 11.48 -12.46	191.15 10.90 -36.78	184.22 10.17 -34.72	177.25 10.51 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.01 7.36 -51.08	149.61 6.65 -63.76	147.33 8.27 -47.12	168.42 7.18 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.78 6.81 -83.84	158.59 6.86 -72.86	145.71 7.40 -62.79	143.02 8.43 -42.99	138.14 6.27 -56.36
ASTORIA_GT_1 23523	142.44 8.96 -17.14	138.28 8.28 -22.50	133.90 7.91 -23.29	133.09 7.44 -27.74	138.24 6.67 -43.77	145.00 7.15 -39.83	169.50 11.76 -12.47	191.45 11.20 -36.80	184.50 10.45 -34.72	177.66 10.91 -31.95	151.11 7.08 -58.68	148.51 7.22 -55.39	147.16 6.96 -58.24	145.13 7.45 -51.11	149.57 6.57 -63.80	147.37 8.28 -47.15	168.55 7.26 -75.86	191.86 8.15 -91.07	188.33 8.00 -90.39	172.13 7.22 -83.78	159.07 7.34 -72.86	145.63 7.32 -62.79	143.30 8.71 -42.99	138.29 6.42 -56.36
ASTORIA_GT_10 24110	142.44 8.96 -17.14	138.39 8.39 -22.50	133.90 7.91 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	144.91 7.06 -39.83	168.19 10.46 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.07 7.08 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.53 6.57 -63.76	146.87 7.82 -47.12	168.59 7.35 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.86 6.90 -83.84	158.36 6.63 -72.86	145.03 6.72 -62.79	143.97 8.61 -43.75	139.14 6.57 -57.05
ASTORIA_GT_11 24225	142.44 8.96 -17.14	138.39 8.39 -22.50	133.90 7.91 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	144.91 7.06 -39.83	168.19 10.46 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.07 7.08 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.53 6.57 -63.76	146.87 7.82 -47.12	168.59 7.35 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.86 6.90 -83.84	158.36 6.63 -72.86	145.03 6.72 -62.79	143.97 8.61 -43.75	139.14 6.57 -57.05
ASTORIA_GT_12 24226	142.44 8.96 -17.14	138.39 8.39 -22.50	133.90 7.91 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	144.91 7.06 -39.83	168.19 10.46 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.07 7.08 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.53 6.57 -63.76	146.87 7.82 -47.12	168.59 7.35 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.86 6.90 -83.84	158.36 6.63 -72.86	145.03 6.72 -62.79	143.97 8.61 -43.75	139.14 6.57 -57.05
ASTORIA_GT_13 24227	142.44 8.96 -17.14	138.39 8.39 -22.50	133.90 7.91 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	144.91 7.06 -39.83	168.19 10.46 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.07 7.08 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.53 6.57 -63.76	146.87 7.82 -47.12	168.59 7.35 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.86 6.90 -83.84	158.36 6.63 -72.86	145.03 6.72 -62.79	143.97 8.61 -43.75	139.14 6.57 -57.05
ASTORIA_GT_5 24106	142.32 8.84 -17.14	138.28 8.28 -22.50	133.79 7.80 -23.29	133.10 7.44 -27.74	138.25 6.67 -43.77	145.69 7.84 -39.83	169.50 11.77 -12.46	191.43 11.19 -36.78	184.50 10.45 -34.72	177.52 10.78 -31.94	151.33 7.34 -58.64	148.73 7.47 -55.35	147.37 7.21 -58.20	145.18 7.53 -51.08	149.76 6.81 -63.76	147.52 8.46 -47.12	168.59 7.35 -75.81	191.92 8.15 -91.13	188.22 7.82 -90.46	171.95 6.98 -83.84	158.75 7.02 -72.86	145.86 7.55 -62.79	143.20 8.61 -42.99	138.30 6.42 -56.36
ASTORIA_GT_7 24107	142.32 8.84 -17.14	138.28 8.28 -22.50	133.79 7.80 -23.29	133.10 7.44 -27.74	138.25 6.67 -43.77	145.69 7.84 -39.83	169.50 11.77 -12.46	191.43 11.19 -36.78	184.50 10.45 -34.72	177.52 10.78 -31.94	151.33 7.34 -58.64	148.73 7.47 -55.35	147.37 7.21 -58.20	145.18 7.53 -51.08	149.76 6.81 -63.76	147.52 8.46 -47.12	168.59 7.35 -75.81	191.92 8.15 -91.13	188.22 7.82 -90.46	171.95 6.98 -83.84	158.75 7.02 -72.86	145.86 7.55 -62.79	143.20 8.61 -42.99	138.30 6.42 -56.36
ASTORIA_GT_8 24108	142.32 8.84 -17.14	138.28 8.28 -22.50	133.79 7.80 -23.29	133.10 7.44 -27.74	138.25 6.67 -43.77	145.69 7.84 -39.83	169.50 11.77 -12.46	191.43 11.19 -36.78	184.50 10.45 -34.72	177.52 10.78 -31.94	151.33 7.34 -58.64	148.73 7.47 -55.35	147.37 7.21 -58.20	145.18 7.53 -51.08	149.76 6.81 -63.76	147.52 8.46 -47.12	168.59 7.35 -75.81	191.92 8.15 -91.13	188.22 7.82 -90.46	171.95 6.98 -83.84	158.75 7.02 -72.86	145.86 7.55 -62.79	143.20 8.61 -42.99	138.30 6.42 -56.36
ASTORIA___2 24149	142.21 8.73 -17.14	138.07 8.07 -22.50	133.70 7.71 -23.29	133.00 7.35 -27.74	138.07 6.50 -43.77	144.81 6.96 -39.83	169.22 11.47 -12.47	191.15 10.90 -36.80	184.21 10.17 -34.72	177.27 10.52 -31.95	150.94 6.91 -58.68	148.34 7.05 -55.39	147.00 6.80 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	147.18 8.09 -47.15	168.30 7.01 -75.86	191.67 7.97 -91.07	188.15 7.82 -90.39	171.89 6.98 -83.78	158.91 7.18 -72.86	145.49 7.18 -62.79	143.11 8.52 -42.99	138.14 6.26 -56.36
ASTORIA___3 23516	142.56 9.08 -17.14	138.39 8.39 -22.50	134.01 8.02 -23.29	133.30 7.64 -27.74	138.24 6.67 -43.77	145.00 7.15 -39.83	168.20 10.47 -12.46	190.87 10.62 -36.80	184.63 10.58 -34.72	177.27 10.52 -31.95	151.20 7.17 -58.68	148.59 7.30 -55.39	147.25 7.05 -58.24	145.13 7.45 -51.11	149.65 6.65 -63.80	147.00 7.91 -47.15	168.72 7.43 -75.86	191.67 7.97 -91.07	188.15 7.82 -90.39	171.97 7.05 -83.78	158.68 6.94 -72.86	145.11 6.80 -62.79	144.06 8.71 -43.75	139.07 6.50 -57.05
ASTORIA___4 23517	142.44 8.96 -17.14	138.39 8.39 -22.50	133.90 7.91 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	144.91 7.06 -39.83	168.19 10.46 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.07 7.08 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.53 6.57 -63.76	146.87 7.82 -47.12	168.59 7.35 -75.81	191.73 7.97 -91.13	188.04 7.64 -90.46	171.86 6.90 -83.84	158.36 6.63 -72.86	145.03 6.72 -62.79	143.97 8.61 -43.75	139.14 6.57 -57.05
ASTORIA___5 23518	142.56 9.08 -17.14	138.39 8.39 -22.50	134.01 8.02 -23.29	133.30 7.64 -27.74	138.24 6.67 -43.77	145.00 7.15 -39.83	168.20 10.47 -12.46	190.87 10.62 -36.80	184.63 10.58 -34.72	177.27 10.52 -31.95	151.20 7.17 -58.68	148.59 7.30 -55.39	147.25 7.05 -58.24	145.13 7.45 -51.11	149.65 6.65 -63.80	147.00 7.91 -47.15	168.72 7.43 -75.86	191.67 7.97 -91.07	188.25 7.92 -90.39	171.97 7.05 -83.78	158.68 6.94 -72.86	145.11 6.80 -62.79	144.06 8.71 -43.75	139.07 6.50 -57.05
AST_ENERGY_2_CC3 323677	141.61 8.14 -17.13	137.63 7.63 -22.49	133.27 7.29 -23.28	132.60 6.95 -27.73	137.62 6.05 -43.76	144.21 6.37 -39.82	167.04 9.31 -12.46	189.86 9.61 -36.79	183.79 9.75 -34.71	176.45 9.71 -31.94	150.68 6.66 -58.67	148.07 6.78 -55.38	146.75 6.56 -58.23	144.61 6.93 -51.10	149.09 6.10 -63.79	146.34 7.26 -47.14	163.41 6.84 -71.14	166.45 7.50 -66.31	166.45 7.28 -69.23	166.45 6.57 -78.75	157.45 6.31 -72.27	144.64 6.34 -62.78	142.73 8.15 -42.98	137.98 6.11 -56.35
AST_ENERGY_2_CC4 323678	141.61 8.14 -17.13	137.63 7.63 -22.49	133.27 7.29 -23.28	132.60 6.95 -27.73	137.62 6.05 -43.76	144.21 6.37 -39.82	167.04 9.31 -12.46	189.86 9.61 -36.79	183.79 9.75 -34.71	176.45 9.71 -31.94	150.68 6.66 -58.67	148.07 6.78 -55.38	146.75 6.56 -58.23	144.61 6.93 -51.10	149.09 6.10 -63.79	146.34 7.26 -47.14	163.41 6.84 -71.14	166.45 7.50 -66.31	166.45 7.28 -69.23	166.45 6.57 -78.75	157.45 6.31 -72.27	144.64 6.34 -62.78	142.73 8.15 -42.98	137.98 6.11 -56.35



ATHENS_STG_1 23668	140.49 4.89 -19.26	137.31 4.51 -25.29	133.19 4.31 -26.18	133.21 4.11 -31.19	140.70 3.69 -49.20	146.82 4.02 -44.78	160.38 6.10 -9.01	184.66 5.88 -35.31	177.11 5.85 -31.93	174.49 5.92 -33.77	155.08 3.75 -65.97	152.05 3.87 -62.28	151.13 3.69 -65.48	147.94 3.90 -57.47	154.50 3.57 -71.74	149.11 4.14 -53.02	174.58 3.85 -85.30	199.23 4.17 -102.42	195.65 4.05 -101.66	179.09 3.73 -94.23	164.45 3.63 -81.95	149.60 3.48 -70.61	144.24 4.31 -48.33	142.20 3.32 -63.36
ATHENS_STG_2 23670	140.49 4.89 -19.26	137.31 4.51 -25.29	133.19 4.31 -26.18	133.21 4.11 -31.19	140.70 3.69 -49.20	146.82 4.02 -44.78	160.38 6.10 -9.01	184.66 5.88 -35.31	177.11 5.85 -31.93	174.49 5.92 -33.77	155.08 3.75 -65.97	152.05 3.87 -62.28	151.13 3.69 -65.48	147.94 3.90 -57.47	154.50 3.57 -71.74	149.11 4.14 -53.02	174.58 3.85 -85.30	199.23 4.17 -102.42	195.65 4.05 -101.66	179.09 3.73 -94.23	164.45 3.63 -81.95	149.60 3.48 -70.61	144.24 4.31 -48.33	142.20 3.32 -63.36
ATHENS_STG_3 23677	140.49 4.89 -19.26	137.31 4.51 -25.29	133.19 4.31 -26.18	133.21 4.11 -31.19	140.70 3.69 -49.20	146.82 4.02 -44.78	160.38 6.10 -9.01	184.66 5.88 -35.31	177.11 5.85 -31.93	174.49 5.92 -33.77	155.08 3.75 -65.97	152.05 3.87 -62.28	151.13 3.69 -65.48	147.94 3.90 -57.47	154.50 3.57 -71.74	149.11 4.14 -53.02	174.58 3.85 -85.30	199.23 4.17 -102.42	195.65 4.05 -101.66	179.09 3.73 -94.23	164.45 3.63 -81.95	149.60 3.48 -70.61	144.24 4.31 -48.33	142.20 3.32 -63.36
AUBURN___LFGE 323710	116.90 -1.63 -2.19	108.87 -1.51 -2.87	104.13 -1.54 -2.97	100.08 -1.37 -3.54	92.16 -1.23 -5.59	101.83 -1.27 -5.08	144.40 -0.87 0.00	145.08 -1.15 -2.77	138.07 -1.25 0.00	135.34 -1.48 -2.03	91.82 -1.02 -7.49	91.86 -1.12 -7.07	88.25 -1.15 -7.44	91.97 -1.13 -6.53	86.39 -0.95 -8.15	97.05 -0.92 -6.02	94.52 -0.60 -9.69	103.52 -0.37 -11.26	100.93 -0.18 -11.18	91.32 -0.16 -10.36	88.02 -0.16 -9.31	83.09 -0.45 -8.02	96.36 -0.73 -5.49	82.11 -0.60 -7.19
BABYLON_RES_REC 323704	144.31 10.82 -17.14	140.23 10.22 -22.51	135.85 9.86 -23.30	134.97 9.31 -27.75	139.83 8.25 -43.77	146.09 8.23 -39.84	170.39 12.63 -12.48	192.46 12.19 -36.82	186.32 12.26 -34.74	177.27 10.52 -31.95	150.77 6.74 -58.67	148.07 6.78 -55.39	147.32 7.13 -58.24	145.21 7.53 -51.11	149.72 6.73 -63.80	149.19 9.02 -48.23	188.57 8.63 -94.51	212.05 9.45 -109.96	203.51 9.35 -104.22	185.48 8.44 -95.92	174.37 7.73 -87.77	154.39 7.71 -71.17	147.41 9.90 -45.91	139.68 7.71 -56.45
BABYLON__69_KV_BK2 356345	146.05 12.57 -17.14	141.83 11.83 -22.51	137.19 11.19 -23.30	136.33 10.67 -27.75	141.15 9.57 -43.77	148.25 10.39 -39.84	172.72 14.96 -12.48	194.75 14.49 -36.80	188.41 14.35 -34.74	179.41 12.67 -31.94	152.01 8.02 -58.64	149.76 8.50 -55.35	148.76 8.61 -58.20	146.65 9.00 -51.08	151.11 8.16 -63.76	150.69 10.57 -48.18	189.67 10.17 -94.07	213.38 11.12 -109.62	204.72 10.79 -103.99	186.59 9.74 -95.72	175.32 8.99 -87.46	155.35 8.84 -70.99	148.81 11.36 -45.85	140.81 8.84 -56.45
BALL_HILL_WT_PWR 323825	107.72 -11.52 -2.89	100.88 -10.43 -3.80	96.87 -9.76 -3.94	93.30 -9.30 -4.69	86.94 -8.26 -7.40	95.05 -9.71 -6.73	132.20 -13.07 0.00	130.76 -15.63 -2.94	129.99 -13.80 -4.47	124.67 -15.09 -4.96	83.40 -9.90 -7.94	83.44 -9.96 -7.50	80.34 -9.51 -7.88	83.28 -10.22 -6.92	78.25 -9.59 -8.64	87.02 -11.31 -6.38	85.53 -10.17 -10.27	94.07 -10.93 -12.36	91.87 -10.34 -12.27	83.18 -9.33 -11.38	79.93 -8.83 -9.89	75.21 -8.84 -8.53	88.89 -9.98 -7.26	77.94 -7.10 -9.52
BARON_WINDS___WT_PWR 323822	113.32 -6.86 -3.84	106.31 -6.24 -5.05	102.07 -5.85 -5.23	98.66 -5.48 -6.23	92.80 -4.83 -9.82	101.27 -5.69 -8.94	142.03 -6.53 -3.29	142.92 -9.03 -8.50	140.07 -7.80 -8.55	132.36 -9.57 -7.13	91.33 -6.15 -12.12	91.08 -6.27 -11.44	88.01 -5.98 -12.03	90.82 -6.32 -10.56	86.60 -5.78 -13.18	94.98 -6.71 -9.74	95.21 -5.89 -15.67	105.04 -6.39 -18.79	102.65 -5.94 -18.65	93.06 -5.36 -17.29	88.62 -5.28 -15.04	83.12 -5.36 -12.96	95.02 -6.23 -9.65	83.94 -4.23 -12.65
BARRETT_IC_1 23704	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_10 23701	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_11 23702	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_12 23703	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_2 23705	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_3 23706	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_4 23707	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45



BARRETT_IC_5 23708	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_6 23709	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_7 23710	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.80 8.13 -27.75	138.70 7.11 -43.78	145.41 7.55 -39.84	168.43 10.61 -12.55	190.59 10.33 -36.80	184.51 10.45 -34.74	176.45 9.71 -31.94	150.22 6.23 -58.64	147.87 6.61 -55.35	146.80 6.64 -58.20	144.76 7.10 -51.08	149.21 6.26 -63.76	147.78 7.72 -48.12	185.68 7.18 -93.07	208.85 7.60 -108.61	200.56 7.37 -103.25	183.10 6.90 -95.07	182.72 6.39 -97.46	175.56 6.42 -93.62	145.63 8.34 -45.69	138.54 6.57 -56.45
BARRETT_IC_8 23711	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT_IC_9 23700	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT___1 23545	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BARRETT___2 23546	142.80 9.31 -17.15	138.83 8.82 -22.51	134.52 8.52 -23.30	133.79 8.12 -27.75	138.70 7.11 -43.78	145.02 7.15 -39.84	168.43 10.60 -12.55	190.61 10.33 -36.82	184.52 10.45 -34.74	176.05 9.29 -31.96	150.09 6.06 -58.68	147.49 6.19 -55.39	146.60 6.40 -58.24	144.53 6.84 -51.12	149.02 6.02 -63.81	147.90 7.81 -48.15	185.56 7.01 -93.13	208.79 7.60 -108.55	200.68 7.56 -103.19	183.04 6.89 -95.01	182.80 6.47 -97.46	175.64 6.50 -93.62	145.72 8.42 -45.69	138.53 6.57 -56.45
BATAVIA__115KV_TB1 55881	108.60 -10.24 -2.49	101.53 -9.25 -3.27	97.46 -8.63 -3.39	93.92 -8.03 -4.03	87.32 -6.85 -6.36	95.77 -8.04 -5.79	132.93 -12.35 0.00	133.56 -12.62 -2.72	130.41 -12.68 -3.76	126.76 -12.40 -4.36	84.44 -8.28 -7.37	84.27 -8.59 -6.96	81.24 -8.03 -7.31	84.34 -8.66 -6.42	79.45 -7.76 -8.01	88.76 -9.10 -5.92	86.93 -8.03 -9.53	95.46 -8.62 -11.44	93.19 -8.09 -11.35	84.43 -7.22 -10.52	81.50 -6.55 -9.17	76.47 -6.95 -7.90	90.25 -7.60 -6.25	78.43 -5.29 -8.19
BAYONEEC___CTG1 323682	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG10 323750	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG2 323683	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG3 323684	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG4 323685	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG5 323686	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG6 323687	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37



BAYONEEC___CTG7 323688	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 150.86 -57.19	156.03 156.03 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG8 323689	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BAYONEEC___CTG9 323749	147.40 8.38 -22.68	142.64 7.74 -27.39	137.57 7.40 -27.48	136.68 6.95 -31.82	142.56 6.14 -48.61	150.27 6.57 -45.68	157.23 9.44 -2.52	168.65 9.76 -15.43	158.60 9.89 -9.38	152.25 9.84 -7.62	157.79 6.74 -65.70	154.86 6.96 -62.00	153.24 6.64 -64.64	150.86 7.10 -57.19	156.03 6.26 -70.58	136.49 7.36 -37.19	138.48 6.92 -46.13	141.52 7.60 -41.29	141.52 7.38 -44.21	141.52 6.65 -53.74	132.51 6.39 -47.25	133.01 6.34 -51.15	148.32 8.25 -48.47	143.00 6.11 -61.37
BEACON___LESR 323632	144.23 6.63 -21.25	141.43 6.02 -27.91	137.44 5.85 -28.90	137.91 5.58 -34.42	147.20 5.09 -54.30	153.22 5.78 -49.42	219.68 8.42 -65.99	258.49 8.17 -106.86	261.86 8.22 -114.32	204.05 8.09 -61.16	163.25 5.03 -72.86	159.75 5.07 -68.78	159.03 4.75 -72.32	155.24 5.19 -63.47	163.18 4.75 -79.23	155.00 4.50 -58.56	183.83 4.19 -94.21	210.29 4.54 -113.12	206.63 4.41 -112.28	189.10 3.89 -104.07	173.09 3.71 -90.51	157.05 3.55 -77.98	149.34 4.40 -53.34	149.67 4.23 -69.92
BEAVER RIVER___HYD 24048	117.79 0.82 -0.63	108.98 0.65 -0.83	103.97 0.41 -0.86	99.23 0.29 -1.02	89.95 0.53 -1.61	100.37 0.88 -1.47	147.46 2.18 0.00	146.68 2.44 -0.78	142.25 2.93 0.00	137.40 2.02 -0.57	88.15 0.68 -2.12	88.51 0.61 -2.00	84.07 0.00 -2.11	87.82 -0.60 -1.85	80.79 -0.71 -2.31	93.19 -0.46 -1.71	87.84 -0.34 -2.74	95.99 0.00 -3.35	93.18 -0.09 -3.33	84.05 -0.16 -3.09	81.16 -0.39 -2.68	77.61 -0.23 -2.31	92.36 -0.83 -1.58	77.07 -0.52 -2.07
BEEBEE_GT_13 23619	111.38 -7.10 -2.13	103.74 -6.56 -2.80	99.43 -6.16 -2.90	95.68 -5.68 -3.45	88.42 -4.83 -5.44	97.29 -5.69 -4.95	135.54 -9.73 0.00	137.63 -9.73 -2.78	129.85 -9.47 0.00	128.35 -8.49 -2.04	87.34 -5.55 -7.54	87.27 -5.76 -7.12	84.12 -5.33 -7.48	87.34 -5.80 -6.57	82.25 -5.15 -8.20	91.93 -6.07 -6.06	89.80 -5.38 -9.75	98.46 -5.84 -11.66	96.02 -5.49 -11.57	87.07 -4.79 -10.73	84.06 -4.18 -9.37	79.06 -4.53 -8.07	92.00 -4.95 -5.35	78.90 -3.62 -7.01
BENSHRST_27_KV_BENSHRST_1 355998	149.37 10.35 -22.67	144.56 9.68 -27.38	139.20 9.04 -27.47	138.44 8.71 -31.81	144.05 7.64 -48.61	151.83 8.14 -45.68	169.35 11.62 -12.46	192.15 11.91 -36.78	186.36 12.26 -34.78	178.73 12.00 -31.94	159.11 8.11 -65.65	156.20 8.33 -61.96	154.59 8.03 -64.60	152.21 8.48 -57.15	157.25 7.52 -70.53	147.79 8.73 -47.12	177.75 8.46 -83.86	192.99 9.17 -91.18	189.26 8.81 -90.51	172.97 7.95 -83.90	159.30 7.57 -72.86	145.86 7.55 -62.79	149.87 9.80 -48.46	144.28 7.40 -61.36
BETHLEHEM___GRP 23843	142.51 4.89 -21.28	139.96 4.52 -27.94	136.04 4.42 -28.93	136.58 4.21 -34.45	145.94 3.78 -54.36	151.61 4.12 -49.47	215.88 5.96 -64.65	254.31 5.59 -105.26	257.35 5.57 -112.45	201.07 5.66 -60.61	162.01 3.76 -72.91	158.50 3.78 -68.82	157.85 3.52 -72.36	153.89 3.81 -63.51	161.96 3.48 -79.27	153.29 2.76 -58.59	182.09 2.39 -94.26	208.34 2.41 -113.30	204.74 2.34 -112.46	187.47 2.11 -104.24	171.53 2.05 -90.61	155.70 2.11 -78.07	147.65 2.66 -53.39	148.69 3.17 -70.00
BETHLEHEM___GS1 323560	142.51 4.89 -21.28	139.96 4.51 -27.94	135.94 4.31 -28.93	136.58 4.21 -34.45	145.94 3.77 -54.36	151.61 4.12 -49.47	215.88 5.96 -64.65	254.32 5.59 -105.27	257.35 5.58 -112.45	201.08 5.66 -60.62	161.96 3.67 -72.94	158.53 3.78 -68.85	157.88 3.52 -72.40	153.92 3.80 -63.54	161.91 3.40 -79.31	153.23 2.67 -58.62	182.05 2.31 -94.31	208.28 2.40 -113.24	204.68 2.33 -112.41	187.42 2.11 -104.19	171.52 2.05 -90.61	155.63 2.04 -78.07	147.66 2.66 -53.39	148.69 3.17 -70.00
BETHLEHEM___GS2 323561	142.51 4.89 -21.28	139.96 4.51 -27.94	135.94 4.31 -28.93	136.58 4.21 -34.45	145.94 3.77 -54.36	151.61 4.12 -49.47	215.88 5.96 -64.65	254.32 5.59 -105.27	257.35 5.58 -112.45	201.08 5.66 -60.62	161.96 3.67 -72.94	158.53 3.78 -68.85	157.88 3.52 -72.40	153.92 3.80 -63.54	161.91 3.40 -79.31	153.23 2.67 -58.62	182.05 2.31 -94.31	208.28 2.40 -113.24	204.68 2.33 -112.41	187.42 2.11 -104.19	171.52 2.05 -90.61	155.63 2.04 -78.07	147.66 2.66 -53.39	148.69 3.17 -70.00
BETHLEHEM___GS3 323562	142.51 4.89 -21.28	139.96 4.51 -27.94	135.94 4.31 -28.93	136.58 4.21 -34.45	145.94 3.77 -54.36	151.61 4.12 -49.47	215.88 5.96 -64.65	254.32 5.59 -105.27	257.35 5.58 -112.45	201.08 5.66 -60.62	161.96 3.67 -72.94	158.53 3.78 -68.85	157.88 3.52 -72.40	153.92 3.80 -63.54	161.91 3.40 -79.31	153.23 2.67 -58.62	182.05 2.31 -94.31	208.28 2.40 -113.24	204.68 2.33 -112.41	187.42 2.11 -104.19	171.52 2.05 -90.61	155.63 2.04 -78.07	147.66 2.66 -53.39	148.69 3.17 -70.00
BETHLEHEM___STEEL 23779	107.14 -12.10 -2.89	100.33 -10.97 -3.80	96.46 -10.17 -3.93	92.90 -9.69 -4.68	86.68 -8.52 -7.39	94.65 -10.10 -6.72	131.76 -13.51 0.00	130.05 -16.35 -2.94	129.43 -14.35 -4.46	124.12 -15.64 -4.96	83.15 -10.16 -7.96	83.11 -10.31 -7.51	80.02 -9.84 -7.90	83.03 -10.48 -6.93	78.11 -9.74 -8.65	86.85 -11.49 -6.39	85.38 -10.34 -10.28	93.81 -11.21 -12.38	91.62 -10.61 -12.29	83.03 -9.49 -11.39	79.79 -8.99 -9.91	75.00 -9.06 -8.54	88.60 -10.26 -7.26	77.78 -7.25 -9.51
BETHLHEM_115KV_TB1 79974	142.38 4.77 -21.27	139.84 4.41 -27.93	135.92 4.31 -28.91	136.46 4.11 -34.44	145.83 3.69 -54.33	151.48 4.02 -49.44	212.71 5.81 -61.62	250.49 5.45 -101.58	253.06 5.57 -108.17	199.63 5.53 -59.30	161.89 3.67 -72.87	158.38 3.69 -68.78	157.73 3.44 -72.33	153.77 3.72 -63.48	161.84 3.41 -79.23	153.35 2.85 -58.56	182.12 2.48 -94.21	208.47 2.59 -113.24	204.86 2.52 -112.40	187.58 2.27 -104.18	171.64 2.21 -90.56	155.74 2.19 -78.03	147.81 2.84 -53.37	148.58 3.10 -69.96
BETHPAGE_CC_5 323564	143.60 10.12 -17.14	139.57 9.56 -22.51	135.13 9.14 -23.30	134.37 8.71 -27.75	139.31 7.73 -43.78	145.51 7.65 -39.84	169.38 11.63 -12.48	191.47 11.20 -36.82	185.34 11.28 -34.74	176.73 9.97 -31.95	150.34 6.32 -58.67	147.74 6.45 -55.39	146.83 6.64 -58.24	144.69 7.01 -51.11	149.25 6.26 -63.80	148.52 8.28 -48.29	188.84 7.77 -95.63	212.15 8.43 -111.09	203.35 8.37 -105.04	185.32 7.55 -96.64	174.99 7.10 -89.01	155.19 7.25 -72.42	147.22 9.53 -46.09	139.38 7.41 -56.46
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	107.29 -11.98 -2.93	100.50 -10.86 -3.85	96.52 -10.17 -3.99	92.97 -9.69 -4.75	86.78 -8.52 -7.49	94.84 -10.00 -6.82	132.64 -12.64 0.00	130.25 -16.21 -3.00	130.20 -13.65 -4.53	124.35 -15.50 -5.05	83.40 -10.07 -8.12	83.35 -10.22 -7.67	80.35 -9.67 -8.06	83.35 -10.30 -7.08	78.37 -9.66 -8.83	87.07 -11.40 -6.53	85.68 -10.25 -10.50	94.26 -11.02 -12.64	92.05 -10.43 -12.55	83.35 -9.41 -11.63	79.99 -8.99 -10.12	75.10 -9.14 -8.72	88.52 -10.44 -7.36	77.84 -7.33 -9.65



BINGHAMTON___COGEN 23790	120.64 -1.28 -5.57	113.64 -1.18 -7.32	109.04 -1.23 -7.58	105.86 -1.08 -9.03	101.08 -0.97 -14.24	109.81 -1.18 -12.96	150.11 -0.44 -5.28	155.35 -1.58 -13.47	151.92 -0.98 -13.57	144.13 -1.75 -11.08	102.83 -1.19 -18.67	102.24 -1.29 -17.62	99.26 -1.23 -18.53	101.62 -1.21 -16.26	98.39 -1.11 -20.30	105.84 -1.10 -15.00	108.71 -0.85 -24.14	121.02 -0.93 -29.31	118.22 -0.81 -29.09	107.36 -0.73 -26.97	101.37 -0.71 -23.21	94.69 -0.83 -20.00	104.59 -1.01 -13.99	93.26 -0.60 -18.34
BIXINCNT_115KV_LOAD 355685	108.99 -10.47 -3.12	102.14 -9.46 -4.09	97.79 -9.14 -4.24	94.15 -8.81 -5.05	88.13 -7.64 -7.97	96.25 -9.02 -7.25	135.98 -9.30 0.00	131.82 -14.92 -3.28	133.31 -10.87 -4.85	125.56 -14.69 -5.46	83.73 -10.50 -8.88	83.98 -10.31 -8.38	81.10 -9.67 -8.81	84.18 -10.13 -7.74	78.56 -10.30 -9.66	86.21 -12.87 -7.14	85.55 -11.36 -11.48	94.05 -12.41 -13.83	92.24 -11.42 -13.73	83.39 -10.47 -12.72	79.52 -10.41 -11.06	74.47 -10.57 -9.53	86.97 -12.46 -7.82	76.79 -8.99 -10.26
BLACK RIVER___HYD 24047	118.51 1.28 -0.88	109.62 0.97 -1.15	104.51 0.62 -1.20	99.83 0.49 -1.42	90.84 0.79 -2.25	101.34 1.27 -2.04	148.47 3.19 0.00	148.28 3.72 -1.10	143.22 3.90 0.00	138.16 2.55 -0.80	89.26 0.94 -2.97	89.65 0.95 -2.80	85.32 0.41 -2.94	89.24 0.09 -2.58	82.58 0.16 -3.23	95.15 0.83 -2.38	90.38 1.11 -3.84	99.07 1.76 -4.68	96.20 1.62 -4.64	86.90 1.46 -4.31	83.72 1.10 -3.74	79.80 1.06 -3.23	94.46 0.65 -2.21	79.01 0.60 -2.89
BLACKRVR_115KV_TB2 79977	118.50 1.28 -0.88	109.62 0.97 -1.15	104.51 0.62 -1.20	99.83 0.49 -1.42	90.84 0.79 -2.25	101.34 1.27 -2.04	148.47 3.20 0.00	148.30 3.73 -1.11	143.22 3.90 0.00	138.17 2.56 -0.82	89.30 0.94 -3.01	89.69 0.94 -2.84	85.36 0.41 -2.99	89.28 0.09 -2.62	82.63 0.16 -3.28	95.19 0.83 -2.42	90.44 1.11 -3.90	99.01 1.76 -4.61	96.13 1.62 -4.57	86.83 1.46 -4.24	83.72 1.10 -3.74	79.80 1.06 -3.23	94.45 0.64 -2.21	79.02 0.60 -2.89
BLISS_WT_PWR 323608	109.11 -10.36 -3.12	102.24 -9.35 -4.09	97.79 -9.14 -4.24	94.15 -8.81 -5.05	88.22 -7.55 -7.97	96.35 -8.92 -7.25	135.97 -9.30 0.00	131.68 -15.06 -3.29	133.17 -11.01 -4.85	125.29 -14.97 -5.46	83.31 -10.93 -8.89	83.64 -10.66 -8.39	80.86 -9.92 -8.82	83.92 -10.39 -7.74	78.01 -10.85 -9.66	85.29 -13.79 -7.14	84.88 -12.04 -11.49	93.30 -13.15 -13.82	91.60 -12.05 -13.72	82.73 -11.11 -12.71	78.81 -11.12 -11.06	73.79 -11.25 -9.53	86.33 -13.10 -7.82	76.18 -9.59 -10.26
BLUESTONE___WT_PWR 323821	129.70 7.33 -6.02	121.96 6.56 -7.90	116.83 5.95 -8.18	113.34 5.68 -9.75	108.54 5.36 -15.38	118.09 6.08 -13.99	166.02 11.04 -9.71	181.09 15.64 -22.00	178.53 15.19 -24.02	163.12 12.39 -15.93	114.73 7.00 -22.38	114.07 7.05 -21.12	110.39 6.23 -22.21	112.90 6.84 -19.49	110.02 6.50 -24.33	118.20 8.28 -17.98	122.31 7.95 -28.93	129.69 5.46 -31.59	126.33 5.03 -31.36	114.65 4.46 -29.07	108.41 4.26 -25.28	101.15 3.85 -21.78	111.01 4.31 -15.10	99.10 3.77 -19.80
BLUE_CIRC_CHEM_DRP 24182	142.17 4.89 -20.94	139.52 4.52 -27.51	135.48 4.31 -28.47	135.94 4.11 -33.91	145.00 3.69 -53.51	150.83 4.12 -48.70	200.17 5.96 -48.94	234.87 5.59 -85.82	234.71 5.43 -89.95	193.45 5.26 -53.40	160.45 3.33 -71.77	156.91 3.26 -67.74	156.30 3.11 -71.23	152.46 3.38 -62.51	160.40 3.17 -78.03	152.84 3.22 -57.67	181.21 2.99 -92.79	207.31 3.15 -111.52	203.78 3.15 -110.70	186.57 2.84 -102.60	170.82 2.76 -89.19	155.01 2.64 -76.85	147.46 3.30 -52.56	147.52 3.10 -68.90
BOC_GAS_DRP 24189	141.62 4.07 -21.20	139.11 3.76 -27.85	135.12 3.59 -28.83	135.68 3.43 -34.34	145.05 3.07 -54.17	150.65 3.33 -49.30	195.02 4.94 -44.81	229.33 4.73 -81.14	228.43 4.74 -84.37	191.55 4.72 -52.03	161.08 3.07 -72.66	157.58 3.09 -68.58	157.02 2.95 -72.11	153.07 3.20 -63.29	161.05 2.85 -79.00	153.37 3.03 -58.39	182.10 2.73 -93.94	208.41 2.87 -112.91	204.80 2.79 -112.07	187.60 2.60 -103.88	171.69 2.52 -90.29	155.74 2.42 -77.80	147.84 3.02 -53.21	148.00 2.72 -69.76
BOONVILLE_115KV_TB1 79983	119.91 3.02 -0.54	110.90 2.69 -0.71	105.79 2.36 -0.73	101.04 2.25 -0.87	91.38 2.20 -1.38	101.92 2.65 -1.25	150.07 4.79 0.00	148.73 4.59 -0.68	144.06 4.74 0.00	139.48 4.18 -0.50	89.42 2.22 -1.85	89.88 2.23 -1.74	85.68 1.89 -1.83	89.83 1.64 -1.61	82.63 1.43 -2.01	95.36 1.93 -1.48	89.70 1.88 -2.39	97.67 2.22 -2.81	94.79 2.07 -2.79	85.58 1.87 -2.58	82.90 1.74 -2.30	79.08 1.59 -1.98	94.52 1.56 -1.35	78.65 1.36 -1.77
BORALEX_4TH_BRANCH 23824	144.94 7.45 -21.15	142.05 6.77 -27.78	137.92 6.47 -28.76	138.33 6.17 -34.25	147.46 5.62 -54.04	153.57 6.37 -49.18	241.80 9.88 -86.65	284.67 9.47 -131.75	292.00 9.20 -143.49	213.96 9.30 -69.86	163.55 5.72 -72.48	160.07 5.76 -68.41	159.39 5.49 -71.94	155.51 5.80 -63.13	163.23 5.23 -78.81	156.81 6.62 -58.24	185.37 6.24 -93.71	212.31 7.04 -112.63	208.48 6.75 -111.80	190.83 6.08 -103.62	174.86 5.92 -90.07	158.49 5.36 -77.61	151.10 6.41 -53.08	149.86 4.76 -69.59
BOWLINE___1 23526	139.10 6.16 -16.59	134.99 5.69 -21.79	130.70 5.44 -22.56	129.97 5.19 -26.87	134.76 4.56 -42.39	141.40 4.80 -38.58	164.63 7.26 -12.10	186.60 7.46 -35.68	180.53 7.52 -33.69	173.31 7.54 -30.97	147.14 4.95 -56.84	144.54 4.98 -53.65	143.21 4.83 -56.41	141.19 5.11 -49.51	145.59 4.59 -61.80	143.23 5.61 -45.68	164.22 5.30 -73.49	186.70 5.84 -88.22	183.18 5.67 -87.57	167.41 5.11 -81.17	154.43 4.97 -70.59	141.18 4.84 -60.82	139.29 6.04 -41.64	134.57 4.45 -54.59
BOWLINE___2 23595	139.10 6.16 -16.59	134.99 5.69 -21.79	130.70 5.44 -22.56	129.97 5.19 -26.87	134.77 4.56 -42.40	141.41 4.80 -38.58	164.63 7.26 -12.10	186.60 7.46 -35.69	180.53 7.52 -33.69	173.32 7.54 -30.97	147.14 4.95 -56.84	144.54 4.98 -53.66	143.21 4.83 -56.42	141.19 5.11 -49.52	145.60 4.59 -61.81	143.23 5.61 -45.68	164.22 5.30 -73.49	186.70 5.84 -88.23	183.18 5.67 -87.58	167.41 5.11 -81.17	154.43 4.97 -70.59	141.18 4.84 -60.82	139.29 6.04 -41.64	134.57 4.45 -54.60
BRADY___115KV_TB2 356060	117.51 1.16 0.00	108.68 1.18 0.00	103.83 1.13 0.00	98.89 0.98 0.00	88.68 0.88 0.00	99.29 1.27 0.00	146.44 1.16 0.00	144.61 1.15 0.00	140.30 0.98 0.00	135.20 0.40 0.00	85.61 0.26 0.00	86.08 0.17 0.00	82.12 0.16 0.00	86.75 0.17 0.00	79.36 0.16 0.00	92.04 0.09 0.00	85.52 0.09 0.00	92.82 0.19 0.00	89.94 0.00 0.00	81.05 -0.08 0.00	78.63 -0.24 0.00	75.75 0.23 0.00	91.42 -0.18 0.00	75.82 0.30 0.00
BRANSCOMB___SOLAR 323811	145.25 7.10 -21.81	142.60 6.45 -28.65	138.62 6.27 -29.65	139.21 5.97 -35.32	148.98 5.45 -55.73	155.10 6.37 -50.71	271.24 9.59 -116.38	321.52 9.47 -168.60	334.56 9.19 -186.04	226.97 8.63 -83.54	165.25 5.12 -74.78	161.47 4.98 -70.59	160.93 4.75 -74.22	156.04 4.33 -65.14	164.70 4.19 -81.31	157.37 5.33 -60.10	187.41 5.30 -96.68	214.56 5.84 -116.09	210.93 5.76 -115.23	192.96 5.03 -106.80	176.41 4.65 -92.88	159.78 4.23 -80.03	151.38 5.03 -54.74	151.05 3.77 -71.76
BRENTWOD_69_KV_W. BRTWOOD 56703	145.58 12.10 -17.14	141.40 11.40 -22.51	136.88 10.89 -23.30	136.04 10.38 -27.75	140.89 9.31 -43.77	147.95 10.10 -39.84	171.84 14.09 -12.48	194.03 13.77 -36.80	187.72 13.65 -34.74	178.74 12.00 -31.94	151.67 7.68 -58.64	149.41 8.16 -55.35	148.52 8.36 -58.20	146.39 8.74 -51.08	150.87 7.92 -63.76	150.36 10.30 -48.11	188.18 9.74 -93.01	211.65 10.47 -108.55	203.39 10.25 -103.20	185.41 9.25 -95.03	173.47 8.44 -86.16	153.45 8.38 -69.55	148.28 10.99 -45.68	140.50 8.53 -56.44



BRISTLHL_115KV_TB1 79998	114.34 -3.37 -1.37	106.19 -3.12 -1.80	101.48 -3.08 -1.87	97.20 -2.94 -2.22	88.68 -2.63 -3.51	98.27 -2.94 -3.19	141.50 -3.78 0.00	141.61 -3.59 -1.74	135.56 -3.76 0.00	132.43 -3.64 -1.27	87.67 -2.39 -4.70	87.94 -2.41 -4.44	84.33 -2.29 -4.67	88.25 -2.42 -4.10	82.17 -2.14 -5.11	93.33 -2.39 -3.78	89.46 -2.05 -6.08	97.71 -2.13 -7.21	95.11 -1.98 -7.15	85.98 -1.78 -6.63	82.98 -1.74 -5.84	78.82 -1.74 -5.04	92.85 -2.20 -3.44	78.22 -1.81 -4.52
BROOKHAVEN___DRP 24191	145.93 12.45 -17.14	141.72 11.72 -22.51	137.08 11.09 -23.30	136.33 10.67 -27.75	141.15 9.57 -43.77	148.34 10.49 -39.84	172.86 15.11 -12.48	194.90 14.63 -36.81	188.56 14.49 -34.75	178.60 11.86 -31.94	151.41 7.43 -58.64	149.07 7.82 -55.35	148.52 8.36 -58.20	145.96 8.31 -51.08	150.95 8.00 -63.76	150.43 10.39 -48.10	188.16 10.00 -92.73	211.74 10.84 -108.27	203.55 10.61 -103.00	185.55 9.57 -94.85	173.39 8.68 -85.84	153.59 8.84 -69.24	148.51 11.27 -45.64	140.65 8.68 -56.44
BROOKLYN_NAVY_YARD 23515	141.85 8.38 -17.13	137.84 7.84 -22.49	133.38 7.40 -23.28	132.70 7.05 -27.73	137.71 6.14 -43.76	144.41 6.57 -39.82	167.17 9.44 -12.46	190.02 9.76 -36.80	183.94 9.89 -34.72	176.58 9.84 -31.95	150.76 6.74 -58.67	148.16 6.87 -55.38	146.82 6.64 -58.23	144.78 7.10 -51.10	149.24 6.26 -63.79	146.53 7.44 -47.15	168.29 7.01 -75.85	191.38 7.68 -91.06	187.79 7.46 -90.39	171.64 6.73 -83.78	158.20 6.47 -72.86	144.71 6.42 -62.78	142.83 8.25 -42.98	137.98 6.11 -56.35
BROOKLYN___ARMY_DRP 323595	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
BROOKVLE_69_KV_TB1 55790	143.38 9.89 -17.15	139.37 9.35 -22.51	134.83 8.83 -23.30	134.09 8.42 -27.75	139.05 7.46 -43.78	145.90 8.04 -39.84	169.54 11.77 -12.50	192.03 11.76 -36.81	185.91 11.84 -34.74	177.93 11.19 -31.94	151.16 7.17 -58.64	148.64 7.39 -55.35	147.45 7.29 -58.20	145.36 7.71 -51.08	149.76 6.81 -63.76	149.22 8.55 -48.72	196.76 7.77 -103.55	220.38 8.52 -119.22	209.13 8.18 -111.01	190.47 7.46 -101.88	182.42 7.26 -96.30	160.58 7.10 -77.96	148.10 9.16 -47.33	139.04 7.02 -56.50
BROOME_2_LFGE 323671	120.64 -1.28 -5.57	113.64 -1.18 -7.32	109.05 -1.23 -7.58	105.87 -1.07 -9.03	101.09 -0.96 -14.24	109.81 -1.17 -12.96	150.12 -0.43 -5.28	155.43 -1.57 -13.54	151.93 -0.97 -13.57	144.18 -1.76 -11.14	103.02 -1.20 -18.86	102.42 -1.29 -17.81	99.45 -1.23 -18.72	101.79 -1.21 -16.43	98.60 -1.11 -20.51	106.00 -1.10 -15.16	108.97 -0.85 -24.39	120.72 -0.93 -29.01	117.92 -0.81 -28.79	107.08 -0.73 -26.69	101.37 -0.71 -23.21	94.69 -0.83 -20.00	104.59 -1.01 -13.99	93.25 -0.61 -18.34
BROOME___LFGE 323600	120.64 -1.28 -5.57	113.64 -1.18 -7.32	109.05 -1.23 -7.58	105.87 -1.07 -9.03	101.09 -0.96 -14.24	109.81 -1.17 -12.96	150.12 -0.43 -5.28	155.43 -1.57 -13.54	151.93 -0.97 -13.57	144.18 -1.76 -11.14	103.02 -1.20 -18.86	102.42 -1.29 -17.81	99.45 -1.23 -18.72	101.79 -1.21 -16.43	98.60 -1.11 -20.51	106.00 -1.10 -15.16	108.97 -0.85 -24.39	120.72 -0.93 -29.01	117.92 -0.81 -28.79	107.08 -0.73 -26.69	101.37 -0.71 -23.21	94.69 -0.83 -20.00	104.59 -1.01 -13.99	93.25 -0.61 -18.34
BROWNFLS_115KV_TB_3_5 80003	116.20 -0.58 -0.44	107.54 -0.54 -0.58	102.68 -0.62 -0.60	97.94 -0.69 -0.72	88.49 -0.44 -1.13	98.75 -0.29 -1.03	144.69 -0.58 0.00	143.73 -0.29 -0.56	138.21 -1.11 0.00	133.46 -1.75 -0.41	85.59 -1.28 -1.51	85.96 -1.37 -1.43	82.40 -1.07 -1.50	86.33 -1.56 -1.32	79.34 -1.50 -1.65	91.50 -1.65 -1.22	85.68 -1.71 -1.96	93.37 -1.57 -2.31	90.52 -1.71 -2.29	81.63 -1.62 -2.13	79.02 -1.74 -1.88	75.93 -1.21 -1.62	90.88 -1.83 -1.11	75.76 -1.21 -1.45
BROWNSV1_27_KV_LOAD 356125	142.89 9.42 -17.13	138.81 8.82 -22.49	134.20 8.22 -23.28	133.48 7.83 -27.73	138.50 6.94 -43.76	145.19 7.35 -39.82	168.77 11.04 -12.46	191.57 11.33 -36.78	185.33 11.29 -34.72	178.06 11.32 -31.94	151.49 7.51 -58.63	148.98 7.73 -55.34	147.61 7.46 -58.19	145.52 7.88 -51.07	149.91 6.97 -63.75	147.33 8.27 -47.11	169.09 7.86 -75.80	192.38 8.62 -91.12	188.66 8.27 -90.45	172.43 7.46 -83.84	158.91 7.18 -72.86	145.40 7.10 -62.78	143.65 9.07 -42.98	138.74 6.87 -56.35
BURROWS___LYONSDAL 23803	119.46 2.56 -0.56	110.49 2.26 -0.73	105.51 2.05 -0.76	100.68 1.86 -0.90	91.16 1.93 -1.42	101.67 2.35 -1.29	149.49 4.21 0.00	148.47 4.30 -0.70	143.78 4.46 0.00	139.09 3.77 -0.52	89.22 1.96 -1.91	89.59 1.89 -1.80	85.41 1.56 -1.89	89.36 1.13 -1.66	82.14 0.87 -2.08	94.76 1.29 -1.53	89.18 1.28 -2.47	97.21 1.67 -2.90	94.35 1.53 -2.88	85.10 1.30 -2.67	82.43 1.18 -2.37	78.62 1.06 -2.04	93.92 0.92 -1.40	78.18 0.83 -1.83
CAITHNESS_CC_1 323624	145.47 11.99 -17.14	141.29 11.28 -22.51	136.77 10.78 -23.30	135.84 10.18 -27.75	140.80 9.22 -43.77	147.17 9.32 -39.84	172.14 14.39 -12.48	193.76 13.48 -36.82	187.87 13.80 -34.75	177.66 10.91 -31.95	150.94 6.91 -58.67	148.33 7.05 -55.39	147.90 7.70 -58.24	145.48 7.79 -51.11	150.36 7.37 -63.80	149.72 9.65 -48.13	187.60 9.40 -92.77	211.11 10.28 -108.20	203.12 10.25 -102.93	185.08 9.16 -94.79	173.15 8.44 -85.84	153.20 8.46 -69.23	148.14 10.90 -45.64	140.35 8.38 -56.44
CALPINE BETH_PAGE_GT4 24209	143.61 10.12 -17.14	139.58 9.57 -22.51	135.14 9.14 -23.30	134.38 8.71 -27.75	139.31 7.73 -43.78	146.09 8.23 -39.84	169.53 11.77 -12.49	191.74 11.48 -36.80	185.49 11.42 -34.74	177.26 10.51 -31.94	150.73 6.74 -58.64	148.38 7.13 -55.35	147.29 7.13 -58.20	145.18 7.53 -51.08	149.37 6.41 -63.76	148.56 8.27 -48.34	190.08 7.77 -96.88	213.43 8.34 -112.46	204.19 8.18 -106.06	186.05 7.38 -97.54	176.17 6.86 -90.44	156.38 7.02 -73.84	147.33 9.44 -46.29	139.39 7.40 -56.47
CALPINE_BETH_PAGE_GT_4 323586	143.60 10.12 -17.14	139.57 9.56 -22.51	135.24 9.25 -23.30	134.38 8.71 -27.75	139.31 7.73 -43.78	145.60 7.74 -39.84	169.52 11.76 -12.49	191.76 11.48 -36.82	185.49 11.43 -34.74	176.99 10.24 -31.95	150.25 6.23 -58.68	147.65 6.36 -55.39	146.76 6.56 -58.24	144.61 6.93 -51.11	149.18 6.18 -63.80	148.49 8.18 -48.37	190.05 7.69 -96.93	213.38 8.34 -112.40	204.21 8.27 -106.00	186.07 7.46 -97.49	176.33 7.02 -90.44	156.46 7.10 -73.84	147.33 9.44 -46.29	139.39 7.41 -56.47
CALPINE_BP_GT1 23823	143.60 10.12 -17.14	139.57 9.56 -22.51	135.24 9.25 -23.30	134.38 8.71 -27.75	139.31 7.73 -43.78	145.60 7.74 -39.84	169.52 11.76 -12.49	191.76 11.48 -36.82	185.49 11.43 -34.74	176.99 10.24 -31.95	150.25 6.23 -58.68	147.65 6.36 -55.39	146.76 6.56 -58.24	144.61 6.93 -51.11	149.18 6.18 -63.80	148.49 8.18 -48.37	190.05 7.69 -96.93	213.38 8.34 -112.40	204.21 8.27 -106.00	186.07 7.46 -97.49	176.33 7.02 -90.44	156.46 7.10 -73.84	147.33 9.44 -46.29	139.39 7.41 -56.47
CALSPAN___DRP 24200	107.14 -12.10 -2.89	100.33 -10.97 -3.80	96.46 -10.17 -3.93	92.90 -9.69 -4.68	86.68 -8.52 -7.39	94.65 -10.10 -6.72	131.76 -13.51 0.00	130.05 -16.35 -2.94	129.43 -14.35 -4.46	124.12 -15.64 -4.96	83.15 -10.16 -7.96	83.11 -10.31 -7.51	80.02 -9.84 -7.90	83.03 -10.48 -6.93	78.11 -9.74 -8.65	86.85 -11.49 -6.39	85.38 -10.34 -10.28	93.81 -11.21 -12.38	91.62 -10.61 -12.29	83.03 -9.49 -11.39	79.79 -8.99 -9.91	75.00 -9.06 -8.54	88.60 -10.26 -7.26	77.78 -7.25 -9.51



CALVERTON___SOLAR 323806	146.51 13.03 -17.14	142.15 12.14 -22.51	137.70 11.70 -23.30	136.72 11.06 -27.75	141.59 10.01 -43.77	148.15 10.29 -39.84	173.74 15.98 -12.48	195.06 14.78 -36.82	189.40 15.33 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.56 8.36 -58.24	145.91 8.23 -51.11	150.99 8.00 -63.80	150.46 10.39 -48.13	188.47 10.25 -92.79	212.23 11.39 -108.21	204.12 11.24 -102.94	185.98 10.06 -94.80	173.94 9.22 -85.85	154.04 9.29 -69.24	148.97 11.73 -45.64	141.02 9.06 -56.44
CANDIGU_WT_PWR 323617	113.32 -6.86 -3.84	106.31 -6.24 -5.05	102.07 -5.85 -5.23	98.66 -5.48 -6.23	92.80 -4.83 -9.82	101.27 -5.69 -8.94	142.03 -6.53 -3.29	142.92 -9.03 -8.50	140.07 -7.80 -8.55	132.36 -9.57 -7.13	91.33 -6.15 -12.12	91.08 -6.27 -11.44	88.01 -5.98 -12.03	90.82 -6.32 -10.56	86.60 -5.78 -13.18	94.98 -6.71 -9.74	95.21 -5.89 -15.67	105.04 -6.39 -18.79	102.65 -5.94 -18.65	93.06 -5.36 -17.29	88.62 -5.28 -15.04	83.12 -5.36 -12.96	95.02 -6.23 -9.65	83.94 -4.23 -12.65
CARR STREET_E_SYR 24060	114.89 -3.03 -1.57	106.67 -2.90 -2.06	102.06 -2.77 -2.13	97.82 -2.64 -2.54	89.53 -2.28 -4.01	99.12 -2.55 -3.65	141.94 -3.34 0.00	142.12 -3.29 -1.96	135.98 -3.35 0.00	133.00 -3.24 -1.43	88.52 -2.13 -5.30	88.76 -2.14 -5.00	85.17 -2.05 -5.26	89.03 -2.16 -4.62	83.06 -1.90 -5.76	94.09 -2.11 -4.26	90.40 -1.88 -6.85	99.04 -1.95 -8.36	96.43 -1.80 -8.29	87.19 -1.62 -7.69	83.98 -1.58 -6.69	79.62 -1.66 -5.76	93.53 -2.02 -3.94	79.02 -1.66 -5.17
CARTHAGE___PAPER 23857	118.05 0.93 -0.78	109.18 0.65 -1.03	104.17 0.41 -1.06	99.48 0.29 -1.27	90.42 0.62 -2.00	100.92 1.08 -1.82	147.89 2.62 0.00	147.45 3.02 -0.98	142.66 3.34 0.00	137.80 2.29 -0.71	88.76 0.77 -2.64	89.08 0.68 -2.49	84.66 0.08 -2.62	88.53 -0.34 -2.30	81.67 -0.39 -2.87	94.07 0.00 -2.12	89.10 0.26 -3.41	97.54 0.74 -4.17	94.71 0.63 -4.14	85.53 0.57 -3.83	82.44 0.24 -3.33	78.70 0.30 -2.87	93.30 -0.27 -1.96	78.02 -0.08 -2.58
CASSADAGA_WT_PWR 323784	110.18 -9.19 -3.03	103.21 -8.28 -3.98	99.01 -7.81 -4.12	95.19 -7.64 -4.91	88.70 -6.85 -7.74	97.03 -8.04 -7.05	135.83 -9.44 0.00	133.84 -12.77 -3.15	133.86 -10.16 -4.70	127.94 -12.13 -5.27	85.77 -8.11 -8.53	85.79 -8.16 -8.05	82.55 -7.87 -8.46	85.43 -8.57 -7.43	80.15 -8.31 -9.27	89.05 -9.75 -6.85	87.66 -8.80 -11.02	96.64 -9.26 -13.26	94.29 -8.81 -13.17	85.30 -8.03 -12.20	81.83 -7.65 -10.61	76.81 -7.86 -9.15	90.33 -8.88 -7.61	79.30 -6.19 -9.97
CE_DUNWOOD___DRP 24194	141.12 7.68 -17.09	137.15 7.20 -22.45	132.71 6.78 -23.24	132.05 6.46 -27.68	137.18 5.71 -43.67	143.84 6.08 -39.74	166.86 9.15 -12.43	189.49 9.32 -36.71	183.45 9.47 -34.65	175.97 9.30 -31.87	149.92 6.06 -58.51	147.32 6.19 -55.23	146.01 5.98 -58.07	143.86 6.32 -50.97	148.44 5.62 -63.62	145.86 6.90 -47.02	167.49 6.41 -75.65	190.71 7.13 -90.94	187.04 6.84 -90.27	170.96 6.17 -83.67	157.50 5.92 -72.71	143.91 5.74 -62.65	141.83 7.33 -42.89	137.27 5.51 -56.23
CE_MILLWOOD___DRP 24193	140.70 7.33 -17.03	136.74 6.88 -22.36	132.32 6.47 -23.15	131.66 6.17 -27.57	136.75 5.44 -43.50	143.49 5.88 -39.59	166.52 8.86 -12.39	188.93 8.89 -36.57	182.90 9.06 -34.53	175.58 9.03 -31.75	149.44 5.80 -58.29	146.85 5.93 -55.02	145.55 5.74 -57.85	143.41 6.06 -50.77	147.96 5.39 -63.38	145.40 6.62 -46.84	166.94 6.15 -75.36	190.09 6.86 -90.60	186.43 6.57 -89.93	170.40 5.92 -83.35	156.99 5.68 -72.44	143.52 5.59 -62.41	141.39 7.05 -42.73	136.75 5.21 -56.02
CE_NYC2_DRP 24202	142.55 9.07 -17.14	138.50 8.49 -22.50	134.00 8.01 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	144.91 7.06 -39.83	168.19 10.46 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.16 7.17 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.61 6.65 -63.76	146.97 7.91 -47.12	168.67 7.43 -75.81	191.82 8.06 -91.13	188.13 7.73 -90.46	171.86 6.90 -83.84	158.44 6.70 -72.86	145.03 6.72 -62.79	144.06 8.70 -43.75	139.14 6.57 -57.05
CE_NYC_DRP 24195	148.36 8.49 -23.53	143.60 7.96 -28.14	138.31 7.50 -28.12	137.50 7.15 -32.44	143.39 6.23 -49.35	151.26 6.67 -46.58	167.62 9.88 -12.47	190.44 10.19 -36.79	184.43 10.31 -34.79	177.12 10.38 -31.95	158.98 6.91 -66.72	155.91 7.04 -62.97	154.41 6.88 -65.57	151.83 7.19 -58.07	157.17 6.41 -71.56	146.70 7.63 -47.12	177.23 7.09 -84.71	189.71 7.87 -89.20	186.21 7.46 -88.81	171.39 6.81 -83.45	158.15 6.47 -72.81	144.72 6.42 -62.78	149.25 8.34 -49.31	143.93 6.27 -62.14
CHAFFEE___LFGE 323603	107.37 -11.98 -3.00	100.59 -10.85 -3.95	96.61 -10.17 -4.08	93.19 -9.59 -4.86	87.05 -8.43 -7.68	95.11 -9.90 -6.99	132.49 -12.79 0.00	130.51 -16.06 -3.11	130.33 -13.65 -4.66	124.64 -15.37 -5.21	83.70 -10.07 -8.42	83.71 -10.14 -7.95	80.65 -9.67 -8.36	83.52 -10.39 -7.34	78.69 -9.67 -9.16	87.49 -11.22 -6.77	86.15 -10.17 -10.89	94.80 -10.93 -13.10	92.60 -10.34 -13.00	83.85 -9.33 -12.05	80.44 -8.91 -10.48	75.64 -8.91 -9.03	89.07 -10.08 -7.54	78.23 -7.18 -9.88
CHATEAUG_35_KV_LOAD 355732	117.04 0.70 0.00	108.25 0.75 0.00	103.52 0.82 0.00	98.70 0.78 0.00	88.33 0.53 0.00	99.00 0.98 0.00	146.15 0.87 0.00	144.32 0.86 0.00	140.02 0.70 0.00	135.07 0.27 0.00	85.69 0.34 0.00	86.16 0.26 0.00	82.29 0.33 0.00	86.92 0.35 0.00	79.51 0.32 0.00	92.04 0.09 0.00	85.52 0.09 0.00	92.54 -0.09 0.00	89.58 -0.36 0.00	80.72 -0.41 0.00	78.32 -0.55 0.00	75.44 -0.08 0.00	90.96 -0.64 0.00	75.22 -0.30 0.00
CHATEAUG_WT_PWR 323614	116.81 0.47 0.00	108.04 0.54 0.00	103.32 0.62 0.00	98.51 0.59 0.00	88.25 0.44 0.00	98.80 0.78 0.00	145.86 0.58 0.00	144.03 0.58 0.00	139.88 0.56 0.00	134.93 0.13 0.00	85.61 0.26 0.00	86.08 0.17 0.00	82.21 0.25 0.00	86.83 0.26 0.00	79.36 0.16 0.00	91.94 0.00 0.00	85.35 -0.09 0.00	92.36 -0.28 0.00	89.40 -0.54 0.00	80.56 -0.56 0.00	78.16 -0.71 0.00	75.14 -0.38 0.00	90.78 -0.83 0.00	75.14 -0.38 0.00
CHAT_HIGH_FALL_HYD 323578	117.04 0.70 0.00	108.25 0.75 0.00	103.52 0.82 0.00	98.70 0.78 0.00	88.33 0.53 0.00	99.00 0.98 0.00	146.15 0.87 0.00	144.32 0.86 0.00	140.02 0.70 0.00	135.07 0.27 0.00	85.69 0.34 0.00	86.16 0.26 0.00	82.29 0.33 0.00	86.92 0.35 0.00	79.51 0.32 0.00	92.04 0.09 0.00	85.52 0.09 0.00	92.54 -0.09 0.00	89.58 -0.36 0.00	80.72 -0.41 0.00	78.32 -0.55 0.00	75.44 -0.08 0.00	90.96 -0.64 0.00	75.22 -0.30 0.00
CHAUTAUQUA___LFGE 323629	108.94 -10.36 -2.95	102.02 -9.35 -3.87	97.87 -8.83 -4.01	94.17 -8.52 -4.77	87.79 -7.55 -7.53	95.96 -8.92 -6.86	133.51 -11.76 0.00	132.14 -14.34 -3.02	131.34 -12.54 -4.56	126.13 -13.75 -5.08	84.40 -9.13 -8.18	84.43 -9.19 -7.72	81.22 -8.85 -8.12	84.17 -9.52 -7.12	78.98 -9.11 -8.89	87.85 -10.66 -6.57	86.44 -9.57 -10.57	95.07 -10.29 -12.72	92.85 -9.71 -12.63	84.07 -8.76 -11.71	80.77 -8.28 -10.18	75.91 -8.39 -8.77	89.57 -9.43 -7.40	78.57 -6.65 -9.70
CHERRYST_13_KV_LD 356241	142.31 8.84 -17.13	138.27 8.28 -22.49	133.79 7.80 -23.28	133.09 7.44 -27.73	138.06 6.50 -43.76	144.80 6.96 -39.82	168.05 10.31 -12.46	190.86 10.62 -36.78	184.77 10.73 -34.72	177.52 10.78 -31.94	151.23 7.25 -58.63	148.63 7.39 -55.34	147.28 7.13 -58.19	145.17 7.53 -51.07	149.60 6.65 -63.75	146.96 7.91 -47.11	168.30 7.43 -75.43	190.08 8.24 -89.20	186.57 7.82 -88.81	171.63 7.06 -83.45	158.39 6.70 -72.81	144.94 6.65 -62.78	143.19 8.61 -42.98	138.36 6.49 -56.35



CHESTROR_138KV_BK263 355645	137.99 5.93 -15.72	133.73 5.59 -20.64	129.30 5.24 -21.36	128.35 4.99 -25.45	132.35 4.39 -40.15	139.36 4.80 -36.54	163.97 7.12 -11.57	184.52 7.17 -33.89	178.76 7.38 -32.05	171.45 7.28 -29.37	143.83 4.69 -53.78	141.40 4.72 -50.77	139.93 4.59 -53.38	138.27 4.85 -46.85	142.03 4.36 -58.48	140.59 5.42 -43.22	160.01 5.04 -69.54	181.89 5.65 -83.61	178.32 5.40 -82.99	163.00 4.95 -76.92	150.44 4.73 -66.84	137.72 4.61 -57.59	136.81 5.77 -39.44	131.45 4.23 -51.70
CH_MIDHUDSON___DRP 24192	141.94 8.26 -17.34	138.01 7.74 -22.77	133.56 7.29 -23.57	132.94 6.95 -28.07	138.25 6.15 -44.29	145.19 6.86 -40.31	169.16 10.17 -13.72	192.21 10.19 -38.57	186.33 10.31 -36.70	177.71 10.11 -32.80	151.10 6.40 -59.35	148.37 6.44 -56.02	147.01 6.15 -58.90	144.85 6.58 -51.70	149.67 5.94 -64.53	146.90 7.26 -47.69	169.00 6.83 -76.73	192.57 7.69 -92.24	188.78 7.28 -91.56	172.65 6.65 -84.86	159.01 6.39 -73.75	145.26 6.19 -63.55	142.71 7.60 -43.50	138.22 5.66 -57.04
CH_MISC_IPPS 23765	142.09 8.73 -17.02	138.02 8.17 -22.35	133.64 7.80 -23.14	132.91 7.44 -27.56	137.79 6.50 -43.49	144.95 7.36 -39.57	169.53 10.90 -13.35	192.10 10.90 -37.75	186.35 11.15 -35.88	177.75 10.79 -32.16	150.40 6.74 -58.30	147.81 6.87 -55.03	146.30 6.47 -57.87	144.29 6.93 -50.79	148.93 6.34 -63.39	146.52 7.72 -46.85	168.16 7.35 -75.38	191.29 8.15 -90.50	187.77 8.00 -89.83	171.53 7.14 -83.26	158.22 6.94 -72.41	144.56 6.65 -62.39	142.38 8.06 -42.71	137.48 5.96 -56.00
CH_RES_BVR_FALLS 23983	116.11 -0.23 0.00	107.29 -0.21 0.00	102.49 -0.20 0.00	97.62 -0.29 0.00	87.46 -0.35 0.00	97.63 -0.39 0.00	144.26 -1.01 0.00	142.46 -1.00 0.00	138.35 -0.97 0.00	133.86 -0.94 0.00	84.84 -0.51 0.00	85.48 -0.43 0.00	81.55 -0.41 0.00	86.14 -0.43 0.00	78.73 -0.47 0.00	91.20 -0.74 0.00	84.58 -0.85 0.00	91.53 -1.11 0.00	88.76 -1.17 0.00	80.07 -1.06 0.00	77.77 -1.10 0.00	74.54 -0.98 0.00	90.32 -1.28 0.00	74.54 -0.98 0.00
CH_RES_NIAGARA 23895	103.89 -15.12 -2.67	97.36 -13.65 -3.51	93.60 -12.73 -3.63	90.20 -12.04 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.67 -20.37 -2.58	122.92 -20.48 -4.08	119.44 -19.82 -4.46	79.61 -12.72 -6.97	79.51 -12.97 -6.58	76.58 -12.29 -6.92	79.49 -13.16 -6.07	74.82 -11.96 -7.58	83.20 -14.34 -5.60	81.54 -12.90 -9.01	89.40 -14.08 -10.84	87.39 -13.31 -10.76	79.42 -11.68 -9.98	76.60 -10.96 -8.69	72.06 -10.95 -7.49	86.22 -12.09 -6.71	75.63 -8.68 -8.80
CH_RES_SYRACUSE 23985	115.65 -2.45 -1.75	107.33 -2.47 -2.30	102.61 -2.47 -2.38	98.40 -2.35 -2.84	90.17 -2.11 -4.47	99.74 -2.35 -4.07	142.37 -2.90 0.00	142.90 -2.73 -2.18	136.39 -2.93 0.00	133.43 -2.97 -1.59	89.36 -1.88 -5.89	89.57 -1.89 -5.56	86.00 -1.80 -5.85	89.80 -1.91 -5.13	83.93 -1.67 -6.40	94.84 -1.84 -4.73	91.51 -1.54 -7.62	100.38 -1.58 -9.32	97.75 -1.44 -9.25	88.40 -1.30 -8.58	85.06 -1.26 -7.46	80.59 -1.36 -6.43	94.26 -1.74 -4.39	79.84 -1.44 -5.76
CLINTON_WT_PWR 323605	116.81 0.47 0.00	108.04 0.54 0.00	103.32 0.62 0.00	98.51 0.59 0.00	88.25 0.44 0.00	98.80 0.78 0.00	145.86 0.58 0.00	144.03 0.58 0.00	139.88 0.56 0.00	134.93 0.13 0.00	85.61 0.26 0.00	86.08 0.17 0.00	82.21 0.25 0.00	86.83 0.26 0.00	79.36 0.16 0.00	91.94 0.00 0.00	85.35 -0.09 0.00	92.36 -0.28 0.00	89.40 -0.54 0.00	80.56 -0.56 0.00	78.16 -0.71 0.00	75.14 -0.38 0.00	90.78 -0.83 0.00	75.14 -0.38 0.00
CLINTON___LFGE 323618	118.32 1.98 0.00	109.44 1.94 0.00	104.64 1.95 0.00	99.77 1.86 0.00	89.30 1.49 0.00	100.28 2.26 0.00	148.18 2.90 0.00	146.18 2.72 0.00	141.96 2.64 0.00	136.82 2.02 0.00	86.80 1.45 0.00	87.27 1.37 0.00	83.19 1.23 0.00	87.95 1.38 0.00	80.39 1.19 0.00	93.14 1.19 0.00	86.54 1.11 0.00	93.75 1.12 0.00	90.74 0.81 0.00	81.70 0.57 0.00	79.19 0.32 0.00	76.35 0.83 0.00	91.97 0.37 0.00	76.12 0.60 0.00
COBBLENY_34_KV_TB1 80064	107.36 -11.98 -3.00	100.59 -10.86 -3.95	96.72 -10.06 -4.08	93.18 -9.60 -4.86	87.05 -8.43 -7.68	95.10 -9.90 -6.99	132.49 -12.78 0.00	130.50 -16.07 -3.11	130.32 -13.65 -4.66	124.64 -15.37 -5.21	83.78 -9.99 -8.42	83.71 -10.14 -7.95	80.64 -9.67 -8.35	83.60 -10.30 -7.33	78.77 -9.58 -9.15	87.49 -11.22 -6.77	86.23 -10.08 -10.88	94.90 -10.84 -13.10	92.60 -10.34 -13.01	83.94 -9.25 -12.06	80.52 -8.83 -10.48	75.57 -8.99 -9.03	88.98 -10.17 -7.54	78.23 -7.17 -9.88
COFFEEN___115KV_TB3 355620	119.22 1.98 -0.90	110.18 1.51 -1.18	105.15 1.23 -1.22	100.34 0.98 -1.45	91.33 1.23 -2.29	101.97 1.86 -2.08	149.49 4.21 0.00	149.18 4.59 -1.13	144.06 4.74 0.00	138.86 3.24 -0.83	89.79 1.37 -3.07	90.09 1.29 -2.90	85.75 0.74 -3.05	89.77 0.52 -2.68	83.01 0.48 -3.34	95.79 1.38 -2.47	91.11 1.71 -3.97	99.84 2.50 -4.70	96.94 2.34 -4.66	87.56 2.11 -4.32	84.42 1.74 -3.82	80.39 1.59 -3.29	95.04 1.19 -2.25	79.53 1.06 -2.95
COLDSPRG_115KV_BK1 355956	110.90 -8.61 -3.16	103.91 -7.74 -4.15	99.81 -7.19 -4.30	95.98 -7.05 -5.12	89.65 -6.23 -8.08	98.12 -7.25 -7.35	139.03 -6.25 0.00	135.19 -11.62 -3.35	136.73 -7.52 -4.93	129.44 -10.92 -5.56	87.17 -7.25 -9.07	87.16 -7.30 -8.56	83.91 -7.05 -9.00	86.94 -7.53 -7.90	81.70 -7.37 -9.86	90.78 -8.46 -7.29	89.56 -7.60 -11.73	98.71 -8.06 -14.13	96.23 -7.73 -14.02	86.99 -7.14 -13.00	83.22 -6.94 -11.29	78.08 -7.17 -9.73	91.11 -8.43 -7.94	80.26 -5.66 -10.40
COLONIE_LFGE___ 323577	143.93 6.05 -21.54	141.38 5.59 -28.29	137.32 5.34 -29.28	137.88 5.09 -34.88	147.49 4.65 -55.03	153.39 5.29 -50.08	254.81 7.98 -101.55	301.50 7.74 -150.30	311.89 7.66 -164.91	219.17 7.54 -76.83	163.80 4.61 -73.84	160.24 4.64 -69.70	159.67 4.42 -73.29	155.40 4.50 -64.32	163.68 4.19 -80.29	156.25 4.96 -59.34	185.60 4.70 -95.47	212.55 5.28 -114.64	208.85 5.12 -113.79	191.14 4.54 -105.47	174.93 4.33 -91.72	158.55 4.00 -79.03	150.42 4.76 -54.05	150.16 3.77 -70.86
COOPERNY_115KV_TB1 80082	133.46 4.19 -12.93	128.45 3.98 -16.97	123.97 3.70 -17.57	122.37 3.52 -20.93	123.99 3.16 -33.02	131.41 3.33 -30.05	160.11 5.23 -9.61	176.63 5.16 -28.01	171.20 5.29 -26.58	164.15 5.12 -24.23	132.81 3.24 -44.22	130.99 3.35 -41.74	129.04 3.20 -43.89	128.47 3.38 -38.52	130.36 3.09 -48.08	131.25 3.77 -35.53	146.19 3.59 -57.17	165.37 3.98 -68.75	162.05 3.87 -68.25	147.87 3.49 -63.25	137.21 3.39 -54.95	126.12 3.25 -47.35	128.16 4.12 -32.44	121.06 3.02 -42.52
COPENHAGEN_WT_PWR 323753	117.97 0.70 -0.93	109.15 0.43 -1.22	104.16 0.21 -1.26	99.41 0.00 -1.50	90.53 0.35 -2.37	100.87 0.69 -2.15	147.59 2.32 0.00	147.48 2.87 -1.16	142.38 3.06 0.00	137.53 1.89 -0.85	89.00 0.52 -3.13	89.37 0.52 -2.95	85.15 0.08 -3.10	89.04 -0.26 -2.72	82.44 -0.16 -3.40	94.92 0.46 -2.51	90.16 0.68 -4.04	98.86 1.30 -4.93	96.00 1.17 -4.89	86.72 1.05 -4.54	83.60 0.79 -3.95	79.67 0.76 -3.40	94.21 0.28 -2.33	78.87 0.30 -3.05
CORNELL_____ 23752	121.18 1.05 -3.79	113.34 0.86 -4.98	108.57 0.72 -5.15	104.74 0.69 -6.14	98.19 0.70 -9.68	107.62 0.78 -8.81	151.77 2.76 -3.73	149.21 1.00 -4.75	145.85 1.25 -5.27	142.13 0.54 -6.79	98.38 0.17 -12.86	98.04 0.00 -12.14	94.64 -0.08 -12.76	97.77 0.00 -11.20	93.26 0.08 -13.98	102.74 0.46 -10.33	102.74 0.68 -16.63	112.19 1.48 -18.07	109.49 1.62 -17.94	99.13 1.38 -16.63	96.09 1.26 -15.96	90.25 0.98 -13.75	102.12 1.01 -9.51	88.90 0.91 -12.47



CORONAAV_69_KV_TB1 355595	143.50 10.01 -17.15	139.48 9.46 -22.52	135.04 9.04 -23.31	134.29 8.62 -27.76	139.14 7.55 -43.78	145.91 8.04 -39.85	169.43 11.62 -12.53	191.74 11.48 -36.81	185.49 11.42 -34.75	177.53 10.78 -31.94	150.90 6.91 -58.64	148.47 7.22 -55.35	147.37 7.21 -58.20	145.36 7.71 -51.08	149.76 6.81 -63.76	149.27 8.46 -48.87	199.60 8.03 -106.13	223.18 8.71 -121.83	211.31 8.45 -112.92	192.40 7.71 -103.56	189.54 7.10 -103.57	172.80 7.02 -90.25	148.41 9.07 -47.74	139.06 7.02 -56.51
CORTLAND_115KV_TB3 80093	119.45 0.00 -3.10	111.58 0.00 -4.08	106.81 -0.10 -4.22	102.84 -0.10 -5.03	95.65 -0.09 -7.93	105.24 0.00 -7.22	146.44 1.16 0.00	147.63 0.29 -3.89	144.39 0.56 -4.51	140.48 0.00 -5.69	95.71 -0.17 -10.53	95.59 -0.26 -9.94	92.17 -0.25 -10.45	95.49 -0.26 -9.17	90.49 -0.16 -11.45	100.50 0.09 -8.46	99.30 0.26 -13.61	108.81 0.46 -15.71	106.07 0.54 -15.59	96.06 0.49 -14.45	92.42 0.47 -13.08	87.09 0.30 -11.27	99.58 0.18 -7.79	85.96 0.23 -10.21
COXSACKIE___GT 23611	146.53 10.01 -20.18	143.25 9.25 -26.51	139.18 9.04 -27.44	139.11 8.51 -32.68	146.92 7.55 -51.57	154.16 9.21 -46.93	205.76 13.65 -46.84	239.24 13.48 -82.30	238.94 13.38 -86.24	197.72 11.59 -51.33	161.16 6.66 -69.15	157.62 6.45 -65.27	156.50 5.90 -68.63	153.30 6.50 -60.23	160.64 6.26 -75.19	154.69 7.18 -55.57	181.75 6.92 -89.40	208.04 8.06 -107.35	204.31 7.82 -106.55	186.78 6.89 -98.76	171.30 6.54 -85.89	155.79 6.26 -74.00	149.40 7.15 -50.65	147.89 5.96 -66.40
CPV_VALLEY___CC1 323721	136.02 4.89 -14.79	131.44 4.51 -19.42	127.11 4.31 -20.10	125.97 4.11 -23.94	129.18 3.60 -37.78	136.22 3.82 -34.38	161.88 5.82 -10.78	181.15 5.88 -31.81	175.37 5.99 -30.06	168.34 5.92 -27.62	139.84 3.84 -50.64	137.66 3.95 -47.80	136.00 3.77 -50.27	134.76 4.07 -44.11	137.91 3.65 -55.07	137.15 4.50 -40.70	155.09 4.19 -65.48	175.86 4.63 -78.59	172.53 4.58 -78.01	157.57 4.14 -72.31	145.70 3.94 -62.88	133.55 3.85 -54.18	133.56 4.85 -37.11	127.64 3.48 -48.65
CPV_VALLEY___CC2 323722	136.02 4.89 -14.79	131.44 4.51 -19.42	127.11 4.31 -20.10	125.97 4.11 -23.94	129.18 3.60 -37.78	136.22 3.82 -34.38	161.88 5.82 -10.78	181.15 5.88 -31.81	175.37 5.99 -30.06	168.34 5.92 -27.62	139.84 3.84 -50.64	137.66 3.95 -47.80	136.00 3.77 -50.27	134.76 4.07 -44.11	137.91 3.65 -55.07	137.15 4.50 -40.70	155.09 4.19 -65.48	175.86 4.63 -78.59	172.53 4.58 -78.01	157.57 4.14 -72.31	145.70 3.94 -62.88	133.55 3.85 -54.18	133.56 4.85 -37.11	127.64 3.48 -48.65
CRESCENT___HYD 24018	143.93 6.05 -21.54	141.38 5.59 -28.29	137.32 5.34 -29.28	137.88 5.09 -34.88	147.49 4.65 -55.03	153.39 5.29 -50.08	254.81 7.98 -101.55	301.50 7.74 -150.30	311.89 7.66 -164.91	219.17 7.54 -76.83	163.80 4.61 -73.84	160.24 4.64 -69.70	159.67 4.42 -73.29	155.40 4.50 -64.32	163.68 4.19 -80.29	156.25 4.96 -59.34	185.60 4.70 -95.47	212.55 5.28 -114.64	208.85 5.12 -113.79	191.14 4.54 -105.47	174.93 4.33 -91.72	158.55 4.00 -79.03	150.42 4.76 -54.05	150.16 3.77 -70.86
CRICKET___VALLEY_CC1 323756	141.31 6.86 -18.10	137.72 6.45 -23.77	133.36 6.06 -24.61	133.00 5.78 -29.31	139.23 5.18 -46.24	145.69 5.58 -42.08	168.58 8.42 -14.88	192.73 8.32 -40.96	186.78 8.36 -39.09	177.64 8.36 -34.48	152.73 5.38 -62.00	149.93 5.50 -58.52	148.75 5.25 -61.54	146.20 5.62 -54.01	151.68 5.07 -67.41	147.93 6.16 -49.83	171.40 5.81 -80.16	195.27 6.39 -96.24	191.67 6.20 -95.53	175.27 5.59 -88.54	161.31 5.44 -77.00	147.01 5.14 -66.35	143.43 6.41 -45.42	139.83 4.76 -59.54
CRICKET___VALLEY_CC2 323757	141.31 6.86 -18.10	137.72 6.45 -23.77	133.36 6.06 -24.61	133.00 5.78 -29.31	139.23 5.18 -46.24	145.69 5.58 -42.08	168.58 8.42 -14.88	192.73 8.32 -40.96	186.78 8.36 -39.09	177.64 8.36 -34.48	152.73 5.38 -62.00	149.93 5.50 -58.52	148.75 5.25 -61.54	146.20 5.62 -54.01	151.68 5.07 -67.41	147.93 6.16 -49.83	171.40 5.81 -80.16	195.27 6.39 -96.24	191.67 6.20 -95.53	175.27 5.59 -88.54	161.31 5.44 -77.00	147.01 5.14 -66.35	143.43 6.41 -45.42	139.83 4.76 -59.54
CRICKET___VALLEY_CC3 323758	141.31 6.86 -18.10	137.72 6.45 -23.77	133.36 6.06 -24.61	133.00 5.78 -29.31	139.23 5.18 -46.24	145.69 5.58 -42.08	168.58 8.42 -14.88	192.73 8.32 -40.96	186.78 8.36 -39.09	177.64 8.36 -34.48	152.73 5.38 -62.00	149.93 5.50 -58.52	148.75 5.25 -61.54	146.20 5.62 -54.01	151.68 5.07 -67.41	147.93 6.16 -49.83	171.40 5.81 -80.16	195.27 6.39 -96.24	191.67 6.20 -95.53	175.27 5.59 -88.54	161.31 5.44 -77.00	147.01 5.14 -66.35	143.43 6.41 -45.42	139.83 4.76 -59.54
CRUCIBLE_METL_DRP 24180	115.65 -2.44 -1.75	107.33 -2.47 -2.30	102.61 -2.46 -2.38	98.40 -2.35 -2.84	90.17 -2.11 -4.47	99.74 -2.35 -4.07	142.37 -2.91 0.00	142.95 -2.73 -2.22	136.40 -2.93 0.00	133.46 -2.97 -1.62	89.48 -1.88 -6.00	89.68 -1.89 -5.66	86.11 -1.80 -5.96	89.90 -1.90 -5.23	84.06 -1.66 -6.53	94.93 -1.84 -4.82	91.65 -1.54 -7.76	100.21 -1.57 -9.15	97.58 -1.44 -9.08	88.25 -1.30 -8.42	85.07 -1.26 -7.46	80.59 -1.36 -6.43	94.26 -1.74 -4.39	79.85 -1.43 -5.76
DAHOWA___HYDRO 323763	145.66 7.45 -21.86	142.99 6.78 -28.71	138.99 6.58 -29.72	139.58 6.27 -35.40	149.45 5.79 -55.85	155.60 6.76 -50.83	273.98 10.17 -118.54	324.77 10.04 -171.28	338.34 9.89 -189.12	228.61 9.29 -84.52	165.76 5.47 -74.94	161.98 5.33 -70.74	161.43 5.08 -74.38	156.27 4.41 -65.28	165.04 4.35 -81.49	157.59 5.42 -60.23	187.80 5.47 -96.90	215.09 6.11 -116.34	211.36 5.93 -115.49	193.36 5.20 -107.04	176.77 4.81 -93.09	160.03 4.30 -80.21	151.50 5.03 -54.86	151.21 3.77 -71.92
DANC___LFGE 323619	116.16 -1.28 -1.09	107.54 -1.40 -1.43	102.64 -1.54 -1.49	98.22 -1.47 -1.77	89.45 -1.14 -2.79	99.48 -1.08 -2.54	144.70 -0.58 0.00	144.68 -0.14 -1.36	139.18 -0.14 0.00	134.99 -0.80 -1.00	88.11 -0.94 -3.69	88.44 -0.94 -3.48	84.40 -1.23 -3.66	88.32 -1.47 -3.21	81.94 -1.27 -4.01	93.90 -1.01 -2.97	89.52 -0.69 -4.77	98.08 -0.37 -5.81	95.26 -0.45 -5.77	86.07 -0.40 -5.35	82.97 -0.55 -4.65	79.08 -0.45 -4.01	93.52 -0.83 -2.74	78.43 -0.68 -3.59
DANSKAMMER___1 23586	142.09 8.73 -17.02	138.02 8.17 -22.35	133.64 7.80 -23.14	132.91 7.44 -27.56	137.79 6.50 -43.49	144.95 7.36 -39.57	169.53 10.90 -13.35	192.10 10.90 -37.75	186.35 11.15 -35.88	177.75 10.79 -32.16	150.40 6.74 -58.30	147.81 6.87 -55.03	146.30 6.47 -57.87	144.29 6.93 -50.79	148.93 6.34 -63.39	146.52 7.72 -46.85	168.16 7.35 -75.38	191.29 8.15 -90.50	187.77 8.00 -89.83	171.53 7.14 -83.26	158.22 6.94 -72.41	144.56 6.65 -62.39	142.38 8.06 -42.71	137.48 5.96 -56.00
DANSKAMMER___2 23589	142.09 8.73 -17.02	138.02 8.17 -22.35	133.64 7.80 -23.14	132.91 7.44 -27.56	137.79 6.50 -43.49	144.95 7.36 -39.57	169.53 10.90 -13.35	192.10 10.90 -37.75	186.35 11.15 -35.88	177.75 10.79 -32.16	150.40 6.74 -58.30	147.81 6.87 -55.03	146.30 6.47 -57.87	144.29 6.93 -50.79	148.93 6.34 -63.39	146.52 7.72 -46.85	168.16 7.35 -75.38	191.29 8.15 -90.50	187.77 8.00 -89.83	171.53 7.14 -83.26	158.22 6.94 -72.41	144.56 6.65 -62.39	142.38 8.06 -42.71	137.48 5.96 -56.00
DANSKAMMER___3 23590	142.09 8.73 -17.02	138.02 8.17 -22.35	133.64 7.80 -23.14	132.91 7.44 -27.56	137.79 6.50 -43.49	144.95 7.36 -39.57	169.53 10.90 -13.35	192.10 10.90 -37.75	186.35 11.15 -35.88	177.75 10.79 -32.16	150.40 6.74 -58.30	147.81 6.87 -55.03	146.30 6.47 -57.87	144.29 6.93 -50.79	148.93 6.34 -63.39	146.52 7.72 -46.85	168.16 7.35 -75.38	191.29 8.15 -90.50	187.77 8.00 -89.83	171.53 7.14 -83.26	158.22 6.94 -72.41	144.56 6.65 -62.39	142.38 8.06 -42.71	137.48 5.96 -56.00



DANSKAMMER___4 23591	142.09 8.73 -17.02	138.02 8.17 -22.35	133.64 7.80 -23.14	132.91 7.44 -27.56	137.79 6.50 -43.49	144.95 7.36 -39.57	169.53 10.90 -13.35	192.10 10.90 -37.75	186.35 11.15 -35.88	177.75 10.79 -32.16	150.40 6.74 -58.30	147.81 6.87 -55.03	146.30 6.47 -57.87	144.29 6.93 -50.79	148.93 6.34 -63.39	146.52 7.72 -46.85	168.16 7.35 -75.38	191.29 8.15 -90.50	187.77 8.00 -89.83	171.53 7.14 -83.26	158.22 6.94 -72.41	144.56 6.65 -62.39	142.38 8.06 -42.71	137.48 5.96 -56.00
DANSKAMMER___DIESEL 23592	142.09 8.73 -17.02	138.03 8.17 -22.35	133.64 7.80 -23.14	132.92 7.44 -27.56	137.79 6.50 -43.49	144.95 7.35 -39.57	169.52 10.90 -13.35	192.09 10.90 -37.73	186.35 11.15 -35.88	177.74 10.78 -32.15	150.44 6.83 -58.26	147.77 6.87 -55.00	146.26 6.47 -57.83	144.25 6.93 -50.75	148.80 6.26 -63.35	146.49 7.72 -46.82	168.02 7.26 -75.33	191.35 8.15 -90.56	187.65 7.82 -89.89	171.58 7.14 -83.32	158.14 6.86 -72.41	144.48 6.57 -62.39	142.38 8.06 -42.71	137.48 5.97 -56.00
DARBY___SOLAR 323810	145.26 7.10 -21.81	142.60 6.45 -28.65	138.62 6.27 -29.66	139.21 5.97 -35.32	148.99 5.45 -55.73	155.11 6.37 -50.72	271.34 9.59 -116.48	321.65 9.47 -168.73	334.85 9.34 -186.19	227.14 8.76 -83.58	165.26 5.12 -74.79	161.48 4.98 -70.60	160.94 4.75 -74.23	156.05 4.33 -65.15	164.71 4.19 -81.32	157.28 5.24 -60.10	187.34 5.21 -96.69	214.58 5.84 -116.10	210.85 5.67 -115.24	192.98 5.03 -106.82	176.42 4.65 -92.89	159.79 4.23 -80.04	151.29 4.94 -54.74	151.06 3.77 -71.77
DASHVILLE___HYD 23610	142.84 9.07 -17.42	138.87 8.49 -22.87	134.49 8.11 -23.68	133.85 7.74 -28.20	139.06 6.76 -44.50	146.36 7.84 -40.49	178.06 11.62 -21.16	202.91 11.76 -47.68	198.73 12.12 -47.28	182.35 11.46 -36.09	152.06 7.08 -59.62	149.23 7.04 -56.28	147.77 6.64 -59.18	145.69 7.19 -51.94	150.60 6.57 -64.83	148.22 8.37 -47.91	170.46 7.95 -77.08	194.38 9.08 -92.67	190.47 8.54 -91.98	174.34 7.95 -85.26	160.54 7.57 -74.10	146.61 7.25 -63.84	144.01 8.70 -43.71	139.09 6.27 -57.30
DEERFIELD_69_KV_DEERFIELD LD 355887	148.14 14.66 -17.14	143.77 13.76 -22.51	139.14 13.15 -23.30	138.39 12.73 -27.75	143.17 11.59 -43.77	150.79 12.94 -39.84	176.93 19.18 -12.48	198.92 18.65 -36.81	192.60 18.53 -34.75	181.97 15.23 -31.94	153.38 9.39 -58.64	150.96 9.71 -55.35	150.40 10.24 -58.20	147.87 10.22 -51.08	152.85 9.90 -63.76	152.73 12.69 -48.10	190.56 12.39 -92.74	214.44 13.52 -108.27	206.07 13.13 -103.00	187.75 11.76 -94.86	175.29 10.57 -85.85	155.26 10.50 -69.24	150.34 13.10 -45.64	142.16 10.20 -56.44
DELAWARE___LFGE 323621	127.91 4.07 -7.49	121.00 3.66 -9.84	116.27 3.39 -10.19	113.28 3.23 -12.13	109.93 2.99 -19.14	118.77 3.33 -17.42	167.85 5.52 -17.06	179.51 5.45 -30.60	179.81 5.57 -34.91	160.56 4.99 -20.77	113.81 2.99 -25.47	112.95 3.01 -24.04	110.02 2.79 -25.28	111.79 3.03 -22.18	109.74 2.85 -27.69	115.99 3.59 -20.47	121.77 3.42 -32.93	136.61 3.52 -40.45	133.59 3.51 -40.15	121.51 3.16 -37.21	113.61 3.08 -31.66	105.67 2.87 -27.28	113.89 3.48 -18.80	102.89 2.72 -24.65
DERFIELD_115KV_TB7 355931	117.16 0.81 0.00	108.25 0.75 0.00	103.42 0.72 0.00	98.60 0.69 0.00	88.42 0.61 0.00	98.71 0.69 0.00	146.29 1.02 0.00	144.46 1.00 0.00	140.30 0.98 0.00	135.74 0.94 0.00	85.95 0.60 0.00	86.50 0.60 0.00	82.53 0.57 0.00	87.18 0.61 0.00	79.75 0.55 0.00	92.59 0.64 0.00	86.03 0.60 0.00	93.29 0.65 0.00	90.57 0.63 0.00	81.70 0.57 0.00	79.42 0.55 0.00	75.97 0.45 0.00	92.15 0.55 0.00	75.97 0.45 0.00
DOGLEVILLE___HYD 23807	120.88 4.53 0.00	111.59 4.08 0.00	106.50 3.80 0.00	101.54 3.62 0.00	91.14 3.34 0.00	101.65 3.63 0.00	150.65 5.38 0.00	148.48 5.02 0.00	144.20 4.87 0.00	139.51 4.72 0.00	88.34 2.99 0.00	88.99 3.09 0.00	84.91 2.95 0.00	89.60 3.03 0.00	81.89 2.69 0.00	94.80 2.85 0.00	87.91 2.48 0.00	95.14 2.50 0.00	92.19 2.25 0.00	83.16 2.03 0.00	81.00 2.13 0.00	77.86 2.34 0.00	94.54 2.93 0.00	78.01 2.49 0.00
DUNKIRK___115KV_TB_200 55889	108.81 -10.47 -2.94	101.80 -9.57 -3.86	97.76 -8.93 -4.00	94.06 -8.62 -4.76	87.68 -7.64 -7.51	95.94 -8.92 -6.84	133.22 -12.06 0.00	131.98 -14.49 -3.01	131.19 -12.68 -4.54	125.84 -14.02 -5.07	84.36 -9.13 -8.14	84.31 -9.28 -7.69	81.19 -8.85 -8.08	84.06 -9.61 -7.09	79.02 -9.03 -8.85	87.82 -10.67 -6.54	86.39 -9.57 -10.52	95.03 -10.28 -12.67	92.80 -9.71 -12.58	84.11 -8.68 -11.66	80.73 -8.28 -10.14	75.80 -8.46 -8.74	89.37 -9.62 -7.38	78.55 -6.65 -9.67
DUNKIRK___1 23563	108.81 -10.47 -2.94	101.80 -9.57 -3.86	97.76 -8.93 -4.00	94.06 -8.62 -4.76	87.68 -7.64 -7.51	95.94 -8.92 -6.84	133.22 -12.06 0.00	131.98 -14.49 -3.01	131.19 -12.68 -4.54	125.84 -14.02 -5.07	84.36 -9.13 -8.14	84.31 -9.28 -7.69	81.19 -8.85 -8.08	84.06 -9.61 -7.09	79.02 -9.03 -8.85	87.82 -10.67 -6.54	86.39 -9.57 -10.52	95.03 -10.28 -12.67	92.80 -9.71 -12.58	84.11 -8.68 -11.66	80.73 -8.28 -10.14	75.80 -8.46 -8.74	89.37 -9.62 -7.38	78.55 -6.65 -9.67
DUNKIRK___2 23564	108.81 -10.47 -2.94	101.80 -9.57 -3.86	97.76 -8.93 -4.00	94.06 -8.62 -4.76	87.68 -7.64 -7.51	95.94 -8.92 -6.84	133.22 -12.06 0.00	131.98 -14.49 -3.01	131.19 -12.68 -4.54	125.84 -14.02 -5.07	84.36 -9.13 -8.14	84.31 -9.28 -7.69	81.19 -8.85 -8.08	84.06 -9.61 -7.09	79.02 -9.03 -8.85	87.82 -10.67 -6.54	86.39 -9.57 -10.52	95.03 -10.28 -12.67	92.80 -9.71 -12.58	84.11 -8.68 -11.66	80.73 -8.28 -10.14	75.80 -8.46 -8.74	89.37 -9.62 -7.38	78.55 -6.65 -9.67
DUNKIRK___3 23565	108.08 -11.17 -2.90	101.21 -10.11 -3.81	97.20 -9.45 -3.95	93.51 -9.11 -4.70	87.24 -7.99 -7.42	95.36 -9.41 -6.75	132.64 -12.64 0.00	131.20 -15.21 -2.95	130.43 -13.38 -4.48	125.09 -14.69 -4.98	83.78 -9.56 -7.99	83.74 -9.71 -7.54	80.62 -9.26 -7.93	83.57 -9.96 -6.96	78.54 -9.35 -8.68	87.33 -11.03 -6.42	85.85 -9.91 -10.32	94.41 -10.65 -12.43	92.20 -10.07 -12.34	83.56 -9.01 -11.44	80.22 -8.60 -9.95	75.33 -8.76 -8.57	89.00 -9.89 -7.29	78.13 -6.95 -9.56
DUNKIRK___4 23566	108.08 -11.17 -2.90	101.21 -10.11 -3.81	97.20 -9.45 -3.95	93.51 -9.11 -4.70	87.24 -7.99 -7.42	95.36 -9.41 -6.75	132.64 -12.64 0.00	131.20 -15.21 -2.95	130.43 -13.38 -4.48	125.09 -14.69 -4.98	83.78 -9.56 -7.99	83.74 -9.71 -7.54	80.62 -9.26 -7.93	83.57 -9.96 -6.96	78.54 -9.35 -8.68	87.33 -11.03 -6.42	85.85 -9.91 -10.32	94.41 -10.65 -12.43	92.20 -10.07 -12.34	83.56 -9.01 -11.44	80.22 -8.60 -9.95	75.33 -8.76 -8.57	89.00 -9.89 -7.29	78.13 -6.95 -9.56
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	141.50 8.03 -17.13	137.52 7.53 -22.49	133.07 7.09 -23.28	132.40 6.76 -27.73	137.53 5.97 -43.75	144.21 6.37 -39.82	167.32 9.59 -12.46	189.99 9.76 -36.78	183.93 9.89 -34.72	176.44 9.71 -31.94	150.29 6.32 -58.62	147.77 6.53 -55.34	146.46 6.31 -58.19	144.31 6.67 -51.07	148.88 5.94 -63.74	146.23 7.17 -47.11	167.98 6.75 -75.79	191.17 7.41 -91.12	187.49 7.10 -90.45	171.45 6.49 -83.83	157.88 6.15 -72.86	144.34 6.04 -62.77	142.28 7.69 -42.98	137.60 5.74 -56.34
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	140.14 7.33 -16.46	136.00 6.88 -21.62	131.65 6.57 -22.38	130.84 6.27 -26.66	135.40 5.53 -42.06	142.38 6.08 -38.28	167.37 9.15 -12.95	189.17 9.18 -36.53	183.41 9.33 -34.76	174.95 9.03 -31.12	147.42 5.72 -56.35	144.94 5.84 -53.20	143.47 5.57 -55.93	141.55 5.89 -49.09	145.78 5.31 -61.28	143.85 6.62 -45.29	164.53 6.24 -72.86	187.27 7.04 -87.60	183.54 6.66 -86.95	167.80 6.08 -80.59	154.74 5.84 -70.04	141.53 5.66 -60.35	139.88 6.96 -41.32	134.82 5.14 -54.17



E179THST_138_KV_TB4_REV_LBMP_J 345001	142.21 8.73 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	132.90 7.25 -27.74	137.98 6.41 -43.77	145.20 7.35 -39.83	168.77 11.04 -12.46	190.86 10.62 -36.78	184.22 10.17 -34.72	177.12 10.38 -31.94	150.99 7.00 -58.64	148.38 7.13 -55.35	147.04 6.88 -58.20	144.84 7.19 -51.08	149.45 6.49 -63.76	146.97 7.91 -47.12	168.42 7.18 -75.81	191.64 7.87 -91.13	187.95 7.55 -90.46	171.70 6.73 -83.84	158.44 6.70 -72.86	145.33 7.02 -62.79	142.93 8.34 -42.99	138.14 6.27 -56.36
E179THST_13_KV_LOAD 356214	142.67 9.19 -17.14	138.50 8.49 -22.50	134.00 8.01 -23.29	133.29 7.64 -27.74	138.33 6.76 -43.77	145.59 7.74 -39.83	169.50 11.77 -12.46	191.58 11.33 -36.78	184.77 10.73 -34.72	177.79 11.05 -31.94	151.41 7.43 -58.64	148.81 7.56 -55.35	147.45 7.29 -58.20	145.36 7.71 -51.08	149.84 6.89 -63.76	147.52 8.46 -47.12	168.85 7.60 -75.81	192.19 8.43 -91.13	188.49 8.09 -90.46	172.19 7.22 -83.84	158.83 7.10 -72.86	145.71 7.40 -62.79	143.39 8.79 -42.99	138.45 6.57 -56.36
EAST HAMPTON___GT 23717	148.50 15.01 -17.14	144.31 14.30 -22.51	139.85 13.86 -23.30	139.08 13.42 -27.75	143.78 12.20 -43.77	150.89 13.04 -39.84	178.53 20.77 -12.48	199.94 19.66 -36.82	194.26 20.20 -34.75	183.05 16.30 -31.95	154.09 10.07 -58.67	151.42 10.13 -55.39	151.01 10.82 -58.24	148.51 10.82 -51.11	153.45 10.45 -63.80	153.50 13.42 -48.13	191.47 13.24 -92.79	215.58 14.73 -108.21	207.36 14.48 -102.94	188.67 12.74 -94.80	176.16 11.43 -85.85	155.87 11.11 -69.24	150.71 13.47 -45.64	142.54 10.57 -56.44
EAST RIVER___6 23660	141.85 8.38 -17.13	137.84 7.84 -22.49	133.38 7.40 -23.28	132.70 7.05 -27.73	137.71 6.14 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.29 10.04 -36.80	184.35 10.31 -34.72	177.13 10.38 -31.95	151.10 7.08 -58.67	148.50 7.22 -55.38	147.15 6.96 -58.23	145.12 7.45 -51.10	149.56 6.57 -63.79	146.90 7.81 -47.15	168.17 7.26 -75.48	189.74 7.97 -89.14	186.42 7.74 -88.74	171.41 6.89 -83.39	158.31 6.63 -72.81	144.86 6.57 -62.78	142.92 8.33 -42.98	138.06 6.19 -56.35
EAST RIVER___7 23524	141.85 8.38 -17.13	137.84 7.84 -22.49	133.38 7.40 -23.28	132.70 7.05 -27.73	137.71 6.14 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.29 10.04 -36.80	184.35 10.31 -34.72	177.13 10.38 -31.95	151.10 7.08 -58.67	148.50 7.22 -55.38	147.15 6.96 -58.23	145.12 7.45 -51.10	149.56 6.57 -63.79	146.90 7.81 -47.15	168.17 7.26 -75.48	189.74 7.97 -89.14	186.42 7.74 -88.74	171.41 6.89 -83.39	158.31 6.63 -72.81	144.86 6.57 -62.78	142.92 8.33 -42.98	138.06 6.19 -56.35
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	141.12 7.68 -17.09	137.15 7.20 -22.45	132.71 6.78 -23.24	132.05 6.46 -27.68	137.18 5.71 -43.67	143.84 6.08 -39.74	166.86 9.15 -12.43	189.49 9.32 -36.71	183.45 9.47 -34.65	175.97 9.30 -31.87	149.92 6.06 -58.51	147.32 6.19 -55.23	146.01 5.98 -58.07	143.86 6.32 -50.97	148.44 5.62 -63.62	145.86 6.90 -47.02	167.49 6.41 -75.65	190.71 7.13 -90.94	187.04 6.84 -90.27	170.96 6.17 -83.67	157.50 5.92 -72.71	143.91 5.74 -62.65	141.83 7.33 -42.89	137.27 5.51 -56.23
EAST_HAMPTON___DIESEL 23722	148.38 14.90 -17.14	144.20 14.19 -22.51	139.76 13.77 -23.30	138.98 13.31 -27.75	143.78 12.20 -43.77	150.79 12.94 -39.84	178.53 20.77 -12.48	199.94 19.66 -36.82	194.26 20.20 -34.75	183.05 16.30 -31.95	154.09 10.07 -58.67	151.42 10.13 -55.39	151.10 10.90 -58.24	148.51 10.82 -51.11	153.45 10.45 -63.80	153.50 13.42 -48.13	191.55 13.32 -92.79	215.58 14.73 -108.21	207.36 14.48 -102.94	188.67 12.74 -94.80	176.16 11.43 -85.85	155.79 11.03 -69.24	150.71 13.47 -45.64	142.46 10.49 -56.44
EAST_POINT___SOLAR 323840	149.70 9.42 -23.93	147.42 8.49 -31.43	143.45 8.22 -32.54	144.40 7.73 -38.75	156.23 7.28 -61.14	162.49 8.83 -55.64	277.30 13.65 -118.38	330.86 13.64 -173.77	339.51 12.54 -187.64	229.12 8.76 -85.56	171.41 4.01 -82.05	165.93 2.57 -77.45	165.77 2.38 -81.44	161.68 3.64 -71.47	172.53 4.12 -89.21	165.06 7.18 -65.94	199.89 8.38 -106.08	229.37 9.45 -127.28	225.63 9.35 -126.34	206.58 8.36 -117.10	188.28 7.57 -101.84	170.44 7.18 -87.74	159.81 8.15 -60.06	160.37 6.11 -78.74
EAST_PULASKI___ESR 323781	114.46 -3.14 -1.25	106.14 -3.01 -1.64	101.42 -2.98 -1.70	97.01 -2.93 -2.03	88.55 -2.46 -3.20	98.29 -2.64 -2.91	142.08 -3.20 0.00	142.00 -3.02 -1.56	136.26 -3.07 0.00	132.71 -3.24 -1.14	87.28 -2.30 -4.23	87.58 -2.32 -3.99	83.78 -2.38 -4.20	87.75 -2.51 -3.69	81.50 -2.30 -4.60	92.95 -2.39 -3.40	88.94 -1.96 -5.47	97.35 -1.95 -6.66	94.75 -1.80 -6.61	85.64 -1.62 -6.13	82.54 -1.66 -5.33	78.60 -1.51 -4.59	92.73 -2.02 -3.14	78.05 -1.59 -4.12
EAST_RIVER___1 323558	141.96 8.49 -17.13	137.95 7.96 -22.49	133.47 7.49 -23.28	132.79 7.14 -27.73	137.80 6.23 -43.76	144.60 6.76 -39.82	167.62 9.88 -12.46	190.44 10.19 -36.80	184.35 10.31 -34.72	176.99 10.24 -31.95	151.02 7.00 -58.67	148.41 7.13 -55.38	147.07 6.89 -58.23	144.95 7.27 -51.10	149.40 6.41 -63.79	146.72 7.63 -47.15	168.09 7.18 -75.48	189.64 7.87 -89.14	186.32 7.64 -88.74	171.41 6.89 -83.39	158.31 6.63 -72.81	144.86 6.57 -62.78	142.92 8.33 -42.98	138.13 6.26 -56.35
EAST_RIVER___2 323559	141.85 8.38 -17.13	137.84 7.84 -22.49	133.38 7.40 -23.28	132.70 7.05 -27.73	137.71 6.14 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.29 10.04 -36.80	184.35 10.31 -34.72	177.13 10.38 -31.95	151.10 7.08 -58.67	148.50 7.22 -55.38	147.15 6.96 -58.23	145.12 7.45 -51.10	149.56 6.57 -63.79	146.90 7.81 -47.15	168.17 7.26 -75.48	189.74 7.97 -89.14	186.42 7.74 -88.74	171.41 6.89 -83.39	158.31 6.63 -72.81	144.86 6.57 -62.78	142.92 8.33 -42.98	138.06 6.19 -56.35
EAST___DELAWARE_HYD 23607	140.34 8.49 -15.51	135.82 7.96 -20.36	131.38 7.60 -21.08	130.17 7.14 -25.11	133.66 6.23 -39.62	141.33 7.25 -36.05	169.99 10.75 -13.97	190.80 10.76 -36.58	185.59 11.00 -35.27	175.00 10.11 -30.09	144.53 6.06 -53.11	142.14 6.10 -50.14	140.41 5.74 -52.72	138.99 6.15 -46.27	142.65 5.71 -57.75	141.99 7.36 -42.68	161.19 7.09 -68.67	183.12 8.06 -82.43	179.68 7.92 -81.82	164.11 7.14 -75.84	151.68 6.86 -65.96	138.92 6.57 -56.83	138.30 7.78 -38.91	132.27 5.74 -51.02
EIGHT_POINT___WT_PWR 323820	114.48 -5.47 -3.60	107.29 -4.94 -4.73	102.97 -4.62 -4.89	99.34 -4.40 -5.83	93.23 -3.77 -9.19	101.88 -4.51 -8.37	144.00 -4.35 -3.08	144.51 -6.88 -7.93	141.44 -5.85 -7.96	133.36 -8.08 -6.65	91.56 -5.12 -11.33	91.35 -5.24 -10.69	88.12 -5.08 -11.24	91.07 -5.37 -9.87	86.52 -4.99 -12.31	95.26 -5.79 -9.10	95.21 -4.87 -14.64	104.93 -5.28 -17.57	102.52 -4.86 -17.44	92.83 -4.46 -16.17	88.35 -4.58 -14.06	82.88 -4.76 -12.11	94.87 -5.77 -9.03	83.66 -3.70 -11.84
ELBRIDGE_115KV_TB2 80188	115.41 -2.79 -1.85	107.25 -2.69 -2.44	102.65 -2.57 -2.52	98.47 -2.45 -3.00	90.44 -2.11 -4.74	99.98 -2.35 -4.31	142.22 -3.05 0.00	142.65 -3.16 -2.35	136.12 -3.20 0.00	133.28 -3.24 -1.72	89.66 -2.05 -6.36	89.84 -2.06 -6.00	86.22 -2.05 -6.31	90.03 -2.08 -5.54	84.21 -1.90 -6.91	95.03 -2.02 -5.11	91.86 -1.79 -8.22	100.56 -1.76 -9.68	97.93 -1.62 -9.61	88.58 -1.46 -8.91	85.35 -1.42 -7.90	80.82 -1.51 -6.81	94.34 -1.92 -4.65	80.11 -1.51 -6.10
ELEC_TRO_TEK 24086	142.68 9.19 -17.15	138.72 8.71 -22.51	134.32 8.32 -23.31	133.70 8.03 -27.76	138.61 7.02 -43.78	145.31 7.45 -39.85	168.53 10.75 -12.51	190.74 10.47 -36.81	184.66 10.59 -34.75	176.58 9.84 -31.94	150.39 6.40 -58.64	147.95 6.70 -55.35	146.88 6.72 -58.20	144.75 7.10 -51.08	149.21 6.26 -63.76	148.61 7.82 -48.85	198.58 7.43 -105.72	222.01 7.97 -121.41	210.28 7.73 -112.61	191.48 7.06 -103.29	184.72 6.55 -99.30	163.67 6.49 -81.65	147.80 8.52 -47.67	138.68 6.65 -56.51



ELLENBURG_WT_PWR 323604	116.81 0.47 0.00	108.04 0.54 0.00	103.32 0.62 0.00	98.51 0.59 0.00	88.25 0.44 0.00	98.80 0.78 0.00	145.86 0.58 0.00	144.03 0.58 0.00	139.88 0.56 0.00	134.93 0.13 0.00	85.61 0.26 0.00	86.08 0.17 0.00	82.21 0.25 0.00	86.83 0.26 0.00	79.36 0.16 0.00	91.94 0.00 0.00	85.35 -0.09 0.00	92.36 -0.28 0.00	89.40 -0.54 0.00	80.56 -0.56 0.00	78.16 -0.71 0.00	75.14 -0.38 0.00	90.78 -0.83 0.00	75.14 -0.38 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	106.72 -12.45 -2.82	99.92 -11.29 -3.71	96.06 -10.48 -3.84	92.50 -9.99 -4.57	86.23 -8.78 -7.21	94.29 -10.29 -6.56	130.46 -14.82 0.00	129.48 -16.78 -2.81	128.20 -15.46 -4.34	123.28 -16.31 -4.79	82.45 -10.50 -7.59	82.33 -10.74 -7.17	79.33 -10.16 -7.54	82.28 -10.91 -6.62	77.40 -10.06 -8.26	86.19 -11.86 -6.10	84.57 -10.68 -9.82	92.88 -11.58 -11.82	90.70 -10.97 -11.73	82.27 -9.74 -10.87	79.10 -9.23 -9.46	74.38 -9.29 -8.15	88.24 -10.44 -7.08	77.48 -7.33 -9.28
EMPIRE_CC_1 323656	142.19 5.35 -20.49	139.36 4.95 -26.91	135.28 4.73 -27.86	135.60 4.51 -33.18	144.29 4.13 -52.35	150.27 4.61 -47.64	185.01 6.83 -32.91	215.88 6.60 -65.82	212.62 6.41 -66.88	187.27 6.60 -45.87	159.65 4.10 -70.20	156.38 4.21 -66.27	155.65 4.02 -69.68	151.97 4.24 -61.15	159.41 3.88 -76.33	152.68 4.32 -56.42	180.21 4.02 -90.77	206.14 4.45 -109.06	202.51 4.32 -108.25	185.28 3.81 -100.34	169.84 3.71 -87.26	154.26 3.55 -75.18	147.33 4.31 -51.42	146.41 3.48 -67.41
EMPIRE_CC_2 323658	142.19 5.35 -20.49	139.36 4.95 -26.91	135.28 4.73 -27.86	135.60 4.51 -33.18	144.29 4.13 -52.35	150.27 4.61 -47.64	185.01 6.83 -32.91	215.88 6.60 -65.82	212.62 6.41 -66.88	187.27 6.60 -45.87	159.65 4.10 -70.20	156.38 4.21 -66.27	155.65 4.02 -69.68	151.97 4.24 -61.15	159.41 3.88 -76.33	152.68 4.32 -56.42	180.21 4.02 -90.77	206.14 4.45 -109.06	202.51 4.32 -108.25	185.28 3.81 -100.34	169.84 3.71 -87.26	154.26 3.55 -75.18	147.33 4.31 -51.42	146.41 3.48 -67.41
ENORWICH_115KV_TB1 80156	131.80 10.12 -5.33	123.64 9.14 -7.00	118.16 8.22 -7.25	114.28 7.74 -8.63	108.80 7.38 -13.62	118.94 8.53 -12.39	168.25 15.11 -7.87	192.08 28.26 -20.36	189.95 26.61 -24.02	171.23 21.70 -14.73	115.33 12.03 -17.94	114.87 12.03 -16.94	110.51 10.74 -17.81	113.98 11.77 -15.63	110.03 11.33 -19.51	121.17 14.80 -14.42	123.07 14.44 -23.20	135.48 7.97 -34.88	132.11 7.55 -34.62	119.87 6.65 -32.09	107.58 6.31 -22.40	100.56 5.74 -19.30	111.30 6.32 -13.38	98.42 5.36 -17.54
ERIE_ST__34_KV_TB1-2 80199	106.72 -12.57 -2.94	99.97 -11.40 -3.86	96.01 -10.68 -3.99	92.49 -10.18 -4.76	86.27 -9.04 -7.51	94.36 -10.49 -6.83	133.94 -11.33 0.00	129.83 -16.64 -3.02	131.46 -12.40 -4.54	124.23 -15.64 -5.07	83.35 -10.16 -8.16	83.38 -10.22 -7.70	80.30 -9.75 -8.10	83.38 -10.30 -7.11	78.40 -9.66 -8.87	87.47 -11.03 -6.56	85.90 -10.08 -10.54	94.59 -10.75 -12.70	92.20 -10.34 -12.60	83.40 -9.41 -11.68	79.88 -9.15 -10.16	75.14 -9.14 -8.75	88.26 -10.72 -7.37	77.56 -7.63 -9.67
ERIE_WT_PWR 323693	107.13 -12.10 -2.89	100.45 -10.85 -3.80	96.46 -10.17 -3.93	92.90 -9.70 -4.68	86.76 -8.43 -7.39	94.74 -10.00 -6.72	131.91 -13.36 0.00	130.19 -16.21 -2.94	129.57 -14.21 -4.46	124.26 -15.50 -4.96	83.15 -10.16 -7.96	83.10 -10.31 -7.51	80.10 -9.75 -7.90	83.03 -10.48 -6.93	78.10 -9.74 -8.65	86.93 -11.40 -6.39	85.38 -10.34 -10.28	93.90 -11.12 -12.38	91.71 -10.52 -12.29	83.03 -9.49 -11.39	79.79 -8.99 -9.91	75.07 -8.99 -8.54	88.78 -10.08 -7.26	77.86 -7.18 -9.51
ESPRGFLD_115KV_TB1 80157	121.81 5.47 0.00	112.45 4.95 0.00	107.32 4.62 0.00	102.32 4.41 0.00	92.02 4.21 0.00	103.02 5.00 0.00	238.47 8.28 -84.91	254.81 8.32 -103.03	284.62 8.08 -137.21	188.14 6.34 -47.00	88.66 3.41 0.11	88.89 3.09 0.10	84.64 2.79 0.11	89.77 3.29 0.09	82.41 3.33 0.12	96.73 4.87 0.09	90.50 5.21 0.14	98.22 5.74 0.16	95.53 5.76 0.16	86.09 5.11 0.15	83.47 4.73 0.13	79.87 4.46 0.11	96.55 4.95 0.00	79.22 3.70 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	121.07 0.93 -3.79	113.23 0.75 -4.98	108.36 0.51 -5.15	104.64 0.59 -6.14	98.02 0.53 -9.68	107.52 0.69 -8.81	151.47 2.47 -3.73	148.92 0.72 -4.75	145.43 0.84 -5.27	141.73 0.13 -6.79	98.21 0.00 -12.86	97.96 -0.09 -12.14	94.56 -0.16 -12.76	97.69 -0.09 -11.20	93.10 -0.08 -13.98	102.46 0.18 -10.33	102.57 0.51 -16.63	112.00 1.30 -18.07	109.22 1.35 -17.94	98.97 1.22 -16.63	95.93 1.10 -15.96	90.10 0.83 -13.75	101.94 0.82 -9.51	88.75 0.76 -12.47
ETNA____115KV_TB2 80207	121.07 0.93 -3.79	113.23 0.75 -4.98	108.36 0.51 -5.15	104.64 0.59 -6.14	98.02 0.53 -9.68	107.52 0.69 -8.81	151.47 2.47 -3.73	148.92 0.72 -4.75	145.43 0.84 -5.27	141.73 0.13 -6.79	98.21 0.00 -12.86	97.96 -0.09 -12.14	94.56 -0.16 -12.76	97.69 -0.09 -11.20	93.10 -0.08 -13.98	102.46 0.18 -10.33	102.57 0.51 -16.63	112.00 1.30 -18.07	109.22 1.35 -17.94	98.97 1.22 -16.63	95.93 1.10 -15.96	90.10 0.83 -13.75	101.94 0.82 -9.51	88.75 0.76 -12.47
EUCLID____115KV_TB2 356179	114.43 -3.37 -1.46	106.31 -3.12 -1.92	101.61 -3.08 -1.99	97.45 -2.84 -2.37	89.00 -2.55 -3.74	98.58 -2.84 -3.40	141.35 -3.92 0.00	141.58 -3.73 -1.85	135.56 -3.76 0.00	132.52 -3.64 -1.36	87.98 -2.39 -5.02	88.23 -2.41 -4.74	84.56 -2.38 -4.98	88.52 -2.42 -4.37	82.44 -2.22 -5.46	93.49 -2.48 -4.03	89.70 -2.22 -6.49	98.00 -2.32 -7.68	95.40 -2.16 -7.62	86.25 -1.95 -7.07	83.21 -1.89 -6.24	79.00 -1.89 -5.37	92.99 -2.29 -3.67	78.45 -1.89 -4.82
E_CANADA_CAP_HY 24051	148.31 7.10 -24.86	146.50 6.34 -32.65	142.66 6.16 -33.80	143.95 5.78 -40.26	156.77 5.45 -63.52	162.50 6.67 -57.81	265.64 10.32 -110.05	318.70 10.33 -164.90	324.02 9.61 -175.09	224.44 7.27 -82.37	174.46 3.84 -85.26	169.57 3.18 -80.48	169.53 2.95 -84.63	164.39 3.55 -74.27	175.71 3.80 -92.71	166.07 5.61 -68.52	201.99 6.32 -110.24	231.99 7.13 -132.22	228.28 7.10 -131.24	209.10 6.33 -121.64	190.34 5.68 -105.79	172.26 5.59 -91.15	160.31 6.32 -62.39	162.08 4.76 -81.80
E_CANADA_MHWK_HY 24050	120.88 4.53 0.00	111.59 4.08 0.00	106.50 3.80 0.00	101.54 3.62 0.00	91.14 3.34 0.00	101.65 3.63 0.00	150.65 5.38 0.00	148.48 5.02 0.00	144.20 4.87 0.00	139.51 4.72 0.00	88.34 2.99 0.00	88.99 3.09 0.00	84.91 2.95 0.00	89.60 3.03 0.00	81.89 2.69 0.00	94.80 2.85 0.00	87.91 2.48 0.00	95.14 2.50 0.00	92.19 2.25 0.00	83.16 2.03 0.00	81.00 2.13 0.00	77.86 2.34 0.00	94.54 2.93 0.00	78.01 2.49 0.00
E_FISHKILL____LBMP 23776	140.77 6.98 -17.45	136.98 6.56 -22.92	132.58 6.16 -23.72	132.05 5.87 -28.26	137.66 5.27 -44.58	144.18 5.59 -40.57	166.39 8.43 -12.69	189.39 8.46 -37.47	183.32 8.64 -35.36	175.83 8.49 -32.53	150.63 5.55 -59.73	147.96 5.67 -56.39	146.66 5.41 -59.29	144.32 5.71 -52.03	149.30 5.15 -64.95	146.20 6.25 -48.00	168.47 5.81 -77.23	191.97 6.48 -92.84	188.30 6.21 -92.16	172.15 5.60 -85.42	158.55 5.44 -74.24	144.70 5.21 -63.96	141.99 6.60 -43.79	137.84 4.91 -57.41
FALCON____SEABRD_CC1 323796	117.63 1.28 0.00	108.80 1.29 0.00	104.03 1.33 0.00	99.18 1.27 0.00	88.77 0.97 0.00	99.58 1.56 0.00	147.02 1.75 0.00	145.19 1.73 0.00	141.00 1.68 0.00	135.87 1.07 0.00	86.21 0.85 0.00	86.67 0.77 0.00	82.70 0.74 0.00	87.35 0.78 0.00	79.91 0.71 0.00	92.59 0.65 0.00	85.95 0.52 0.00	93.01 0.37 0.00	90.03 0.09 0.00	81.13 0.00 0.00	78.63 -0.24 0.00	75.75 0.23 0.00	91.33 -0.27 0.00	75.60 0.08 0.00



FALCON___SEABRD_CC2 323797	117.63 1.28 0.00	108.80 1.29 0.00	104.03 1.33 0.00	99.18 1.27 0.00	88.77 0.97 0.00	99.58 1.56 0.00	147.02 1.75 0.00	145.19 1.73 0.00	141.00 1.68 0.00	135.87 1.07 0.00	86.21 0.85 0.00	86.67 0.77 0.00	82.70 0.74 0.00	87.35 0.78 0.00	79.91 0.71 0.00	92.59 0.65 0.00	85.95 0.52 0.00	93.01 0.37 0.00	90.03 0.09 0.00	81.13 0.00 0.00	78.63 -0.24 0.00	75.75 0.23 0.00	91.33 -0.27 0.00	75.60 0.08 0.00
FAR ROCKAWAY___4 23548	144.66 11.17 -17.15	140.45 10.43 -22.52	135.97 9.96 -23.31	135.17 9.50 -27.76	139.93 8.34 -43.78	146.88 9.02 -39.85	170.88 13.07 -12.53	193.17 12.91 -36.81	187.02 12.96 -34.74	178.74 12.00 -31.94	151.67 7.68 -58.64	149.33 8.07 -55.35	148.11 7.95 -58.20	146.14 8.48 -51.08	150.48 7.52 -63.76	149.93 9.29 -48.70	197.61 8.97 -103.20	221.23 9.73 -118.87	210.22 9.53 -110.75	191.47 8.68 -101.66	188.51 7.97 -101.67	173.19 7.78 -89.89	148.78 9.89 -47.28	139.72 7.70 -56.50
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	142.08 8.61 -17.13	138.06 8.06 -22.49	133.58 7.60 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.76	144.51 6.67 -39.82	167.76 10.02 -12.46	190.43 10.19 -36.78	184.35 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.37 7.13 -55.34	147.03 6.88 -58.19	144.91 7.27 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.11	168.41 7.18 -75.80	191.63 7.87 -91.12	187.94 7.55 -90.45	171.78 6.81 -83.84	158.28 6.55 -72.86	144.79 6.49 -62.78	143.01 8.43 -42.98	138.21 6.34 -56.35
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	142.08 8.61 -17.13	138.06 8.06 -22.49	133.58 7.60 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.76	144.60 6.76 -39.82	167.76 10.02 -12.46	190.43 10.19 -36.78	184.35 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.37 7.13 -55.34	147.03 6.88 -58.19	144.91 7.27 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.11	168.41 7.18 -75.80	191.63 7.87 -91.12	187.94 7.55 -90.45	171.78 6.81 -83.84	158.28 6.55 -72.86	144.79 6.49 -62.78	143.01 8.43 -42.98	138.21 6.34 -56.35
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.43 10.19 -36.78	184.22 10.17 -34.72	176.98 10.24 -31.94	150.89 6.91 -58.63	148.29 7.04 -55.34	146.95 6.80 -58.19	144.83 7.19 -51.07	149.28 6.34 -63.75	146.60 7.54 -47.11	168.32 7.09 -75.80	191.63 7.87 -91.12	187.85 7.46 -90.45	171.70 6.73 -83.84	158.20 6.47 -72.86	144.72 6.42 -62.78	142.92 8.34 -42.98	138.13 6.27 -56.35
FARRAGUT___LBMP 323566	141.96 8.49 -17.13	137.95 7.96 -22.49	133.37 7.39 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.28 10.04 -36.78	184.08 10.03 -34.72	176.85 10.11 -31.94	150.81 6.83 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.11	168.24 7.01 -75.80	191.54 7.78 -91.12	187.76 7.37 -90.45	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35
FENNER___WINDPWR 24204	120.38 1.98 -2.06	111.92 1.71 -2.70	107.04 1.54 -2.80	102.72 1.47 -3.33	94.47 1.40 -5.26	104.57 1.77 -4.79	148.76 3.48 0.00	149.11 3.15 -2.50	142.53 3.21 0.00	139.18 2.55 -1.83	93.47 1.36 -6.76	93.65 1.37 -6.38	89.90 1.23 -6.70	93.76 1.30 -5.88	87.73 1.19 -7.35	99.03 1.66 -5.43	95.87 1.71 -8.73	105.45 1.95 -10.87	102.62 1.89 -10.79	92.75 1.62 -10.00	89.14 1.58 -8.70	84.37 1.36 -7.49	98.23 1.46 -5.17	83.57 1.28 -6.77
FIBERTEK___ENERGY 23856	115.65 -2.44 -1.75	107.33 -2.47 -2.30	102.61 -2.46 -2.38	98.40 -2.35 -2.84	90.17 -2.11 -4.47	99.74 -2.35 -4.07	142.37 -2.91 0.00	142.95 -2.73 -2.22	136.40 -2.93 0.00	133.46 -2.97 -1.62	89.48 -1.88 -6.00	89.68 -1.89 -5.66	86.11 -1.80 -5.96	89.90 -1.90 -5.23	84.06 -1.66 -6.53	94.93 -1.84 -4.82	91.65 -1.54 -7.76	100.21 -1.57 -9.15	97.58 -1.44 -9.08	88.25 -1.30 -8.42	85.07 -1.26 -7.46	80.59 -1.36 -6.43	94.26 -1.74 -4.39	79.85 -1.43 -5.76
FITZPATRICK___ 23598	112.60 -4.78 -1.04	104.35 -4.51 -1.36	99.79 -4.31 -1.41	95.48 -4.11 -1.68	86.85 -3.60 -2.65	96.31 -4.11 -2.41	139.31 -5.96 0.00	139.03 -5.74 -1.32	133.60 -5.72 0.00	130.23 -5.53 -0.96	85.34 -3.58 -3.56	85.66 -3.60 -3.36	82.06 -3.44 -3.54	86.05 -3.63 -3.10	79.82 -3.25 -3.88	91.03 -3.77 -2.86	86.62 -3.42 -4.61	94.52 -3.71 -5.59	91.97 -3.51 -5.55	83.10 -3.17 -5.14	80.26 -3.08 -4.47	76.35 -3.02 -3.85	90.63 -3.57 -2.60	75.98 -2.95 -3.41
FLOWRFLD_69_KV_BK1 356044	145.58 12.10 -17.14	141.51 11.50 -22.51	136.98 10.99 -23.30	136.14 10.48 -27.75	140.97 9.40 -43.77	148.05 10.19 -39.84	172.29 14.53 -12.49	194.33 14.06 -36.82	188.15 14.07 -34.75	178.74 12.00 -31.94	151.50 7.51 -58.64	149.24 7.99 -55.35	148.35 8.20 -58.20	146.22 8.57 -51.08	150.79 7.84 -63.76	150.34 10.30 -48.10	188.17 9.91 -92.83	211.56 10.56 -108.37	203.35 10.34 -103.07	185.54 9.49 -94.92	173.50 8.68 -85.95	153.46 8.61 -69.33	148.25 10.99 -45.65	140.57 8.61 -56.44
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	142.40 8.96 -17.10	138.35 8.39 -22.46	133.96 8.01 -23.25	133.24 7.64 -27.69	138.17 6.67 -43.69	145.33 7.55 -39.76	169.77 11.19 -13.31	192.57 11.33 -37.78	186.78 11.56 -35.89	178.11 11.05 -32.26	150.89 7.00 -58.54	148.21 7.04 -55.26	146.70 6.64 -58.10	144.67 7.10 -50.99	149.34 6.49 -63.65	146.99 8.00 -47.05	168.55 7.43 -75.69	191.97 8.34 -90.99	188.26 8.00 -90.32	172.15 7.30 -83.72	158.64 7.02 -72.75	144.93 6.72 -62.69	142.77 8.24 -42.92	137.90 6.12 -56.26
FORT ORANGE___ 23900	143.20 5.70 -21.15	140.55 5.27 -27.78	136.59 5.13 -28.76	137.06 4.89 -34.26	146.24 4.39 -54.05	152.11 4.90 -49.19	216.25 7.26 -63.72	254.33 6.89 -103.99	257.17 6.83 -111.02	201.44 6.60 -60.04	162.06 4.18 -72.52	158.57 4.21 -68.46	157.88 3.93 -71.98	153.99 4.24 -63.18	161.93 3.88 -78.86	153.26 3.03 -58.28	181.93 2.73 -93.77	208.19 2.96 -112.59	204.57 2.88 -111.76	187.23 2.52 -103.59	171.48 2.52 -90.08	155.63 2.49 -77.62	147.81 3.12 -53.09	148.29 3.17 -69.60
FORT_DRUM_COGEN 23780	118.25 1.05 -0.86	109.39 0.75 -1.13	104.38 0.51 -1.17	99.60 0.29 -1.39	90.62 0.61 -2.20	101.10 1.08 -2.00	148.18 2.91 0.00	147.99 3.44 -1.09	143.08 3.76 0.00	138.16 2.56 -0.80	89.24 0.94 -2.95	89.55 0.86 -2.79	85.30 0.41 -2.93	89.23 0.09 -2.57	82.49 0.08 -3.21	95.05 0.74 -2.37	90.19 0.94 -3.82	98.73 1.57 -4.51	95.86 1.44 -4.48	86.58 1.30 -4.15	83.48 0.95 -3.67	79.59 0.91 -3.16	94.22 0.46 -2.16	78.81 0.45 -2.83
FOX_HILLS___ESR 323835	148.79 9.77 -22.67	144.02 9.14 -27.38	138.79 8.63 -27.47	137.95 8.22 -31.81	143.61 7.20 -48.61	151.44 7.74 -45.68	168.48 10.75 -12.46	191.29 11.05 -36.78	185.39 11.29 -34.78	177.93 11.19 -31.94	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	147.24 8.18 -47.12	177.23 7.95 -83.86	192.44 8.62 -91.18	188.72 8.27 -90.51	172.41 7.38 -83.90	158.83 7.10 -72.86	145.41 7.10 -62.79	149.32 9.25 -48.46	143.91 7.02 -61.36
FPL FAR_ROCK_GT1 24212	144.66 11.17 -17.15	140.44 10.42 -22.52	135.96 9.96 -23.31	135.17 9.49 -27.76	139.94 8.35 -43.78	146.49 8.63 -39.85	170.89 13.08 -12.54	193.20 12.92 -36.82	187.03 12.96 -34.75	178.48 11.72 -31.96	151.54 7.51 -58.68	148.94 7.64 -55.39	147.90 7.70 -58.24	145.83 8.14 -51.12	150.28 7.28 -63.80	150.06 9.38 -48.73	197.49 8.80 -103.26	221.17 9.72 -118.80	210.25 9.63 -110.69	191.41 8.68 -101.60	188.59 8.05 -101.67	173.26 7.85 -89.89	148.78 9.90 -47.28	139.73 7.71 -56.50



FPL FAR_ROCK_GT2 23815	144.66 11.17 -17.15	140.44 10.42 -22.52	135.96 9.96 -23.31	135.17 9.49 -27.76	139.94 8.35 -43.78	146.49 8.63 -39.85	170.89 13.08 -12.54	193.20 12.92 -36.82	187.03 12.96 -34.75	178.48 11.72 -31.96	151.54 7.51 -58.68	148.94 7.64 -55.39	147.90 7.70 -58.24	145.83 8.14 -51.12	150.28 7.28 -63.80	150.06 9.38 -48.73	197.49 8.80 -103.26	221.17 9.72 -118.80	210.25 9.63 -110.69	191.41 8.68 -101.60	188.59 8.05 -101.67	173.26 7.85 -89.89	148.78 9.90 -47.28	139.73 7.71 -56.50
FRANKLIN_FALL_HYD 24054	118.09 1.75 0.00	109.22 1.72 0.00	104.44 1.75 0.00	99.58 1.66 0.00	89.12 1.32 0.00	99.98 1.96 0.00	147.60 2.32 0.00	145.75 2.30 0.00	141.69 2.37 0.00	136.42 1.62 0.00	86.55 1.19 0.00	87.02 1.12 0.00	83.03 1.07 0.00	87.70 1.13 0.00	80.23 1.03 0.00	92.86 0.92 0.00	86.29 0.85 0.00	93.47 0.83 0.00	90.48 0.54 0.00	81.53 0.41 0.00	79.03 0.16 0.00	76.35 0.83 0.00	91.79 0.18 0.00	76.05 0.53 0.00
FREEPORT_EQUS_GT1 23764	143.73 10.24 -17.14	139.69 9.68 -22.51	135.24 9.25 -23.30	134.48 8.82 -27.75	139.31 7.73 -43.78	145.71 7.84 -39.84	169.82 12.05 -12.50	192.04 11.77 -36.82	185.77 11.70 -34.74	177.27 10.52 -31.95	150.43 6.40 -58.68	147.82 6.53 -55.39	146.83 6.64 -58.24	144.70 7.01 -51.11	149.25 6.26 -63.80	148.69 8.28 -48.47	191.80 7.77 -98.60	214.97 8.24 -114.09	205.36 8.18 -107.24	187.08 7.38 -98.57	179.23 7.18 -93.18	160.44 7.32 -77.59	147.59 9.44 -46.55	139.32 7.32 -56.47
FREEPORT___CT2 23818	143.73 10.24 -17.14	139.69 9.68 -22.51	135.24 9.25 -23.30	134.48 8.82 -27.75	139.31 7.73 -43.78	145.71 7.84 -39.84	169.82 12.05 -12.50	192.04 11.77 -36.82	185.77 11.70 -34.74	177.27 10.52 -31.95	150.43 6.40 -58.68	147.82 6.53 -55.39	146.83 6.64 -58.24	144.70 7.01 -51.11	149.25 6.26 -63.80	148.69 8.28 -48.47	191.80 7.77 -98.60	214.97 8.24 -114.09	205.36 8.18 -107.24	187.08 7.38 -98.57	179.23 7.18 -93.18	160.44 7.32 -77.59	147.59 9.44 -46.55	139.32 7.32 -56.47
FRESHKLS_33_KV_LOAD 356253	107.61 9.66 18.40	107.57 8.92 8.86	107.56 8.42 3.56	107.55 8.03 -1.60	107.60 7.11 -12.68	107.87 7.55 -2.30	137.62 10.46 18.11	161.32 10.62 -7.24	136.29 10.87 13.90	131.87 10.78 13.71	106.56 7.60 -13.62	106.56 7.73 -12.93	106.64 7.54 -17.14	106.57 7.88 -12.12	106.55 7.05 -20.30	112.64 8.00 -12.69	117.32 7.69 -24.20	131.19 8.43 -30.12	121.72 8.09 -23.69	121.62 7.22 -33.27	112.48 6.94 -26.67	111.63 6.87 -29.24	108.70 9.25 -7.84	106.66 6.95 -24.19
FULTON COGEN____ 23766	114.34 -3.37 -1.37	106.19 -3.12 -1.80	101.48 -3.08 -1.87	97.20 -2.94 -2.22	88.68 -2.63 -3.51	98.27 -2.94 -3.19	141.50 -3.78 0.00	141.61 -3.59 -1.74	135.56 -3.76 0.00	132.43 -3.64 -1.27	87.67 -2.39 -4.70	87.94 -2.41 -4.44	84.33 -2.29 -4.67	88.25 -2.42 -4.10	82.17 -2.14 -5.11	93.33 -2.39 -3.78	89.46 -2.05 -6.08	97.71 -2.13 -7.21	95.11 -1.98 -7.15	85.98 -1.78 -6.63	82.98 -1.74 -5.84	78.82 -1.74 -5.04	92.85 -2.20 -3.44	78.22 -1.81 -4.52
FULTON___LFGE 323630	148.53 8.49 -23.70	146.26 7.63 -31.12	142.31 7.40 -32.22	143.24 6.95 -38.37	154.85 6.50 -60.55	160.96 7.84 -55.10	277.80 12.05 -120.47	331.51 12.05 -176.00	341.55 11.43 -190.80	230.46 9.29 -86.36	171.63 5.03 -81.24	167.05 4.46 -76.69	166.85 4.26 -80.63	162.19 4.85 -70.77	172.44 4.91 -88.33	164.03 6.80 -65.29	197.90 7.43 -105.04	227.01 8.34 -126.03	223.31 8.27 -125.10	204.46 7.38 -115.95	186.41 6.70 -100.84	168.75 6.34 -86.89	158.31 7.24 -59.47	158.99 5.51 -77.96
G.F.CEMENT___DRP 24184	146.31 8.03 -21.94	143.62 7.31 -28.81	139.61 7.09 -29.83	140.19 6.76 -35.52	150.09 6.23 -56.05	156.48 7.45 -51.01	278.50 11.19 -122.04	330.25 11.19 -175.60	344.59 11.15 -194.12	231.29 10.38 -86.11	166.58 6.06 -75.17	162.70 5.84 -70.96	162.14 5.57 -74.61	156.38 4.33 -65.48	165.21 4.28 -81.74	157.69 5.33 -60.41	188.18 5.55 -97.19	215.57 6.11 -116.82	211.92 6.03 -115.96	193.88 5.27 -107.48	177.18 4.89 -93.42	160.32 4.30 -80.49	151.51 4.86 -55.05	151.24 3.55 -72.17
GARDENVILLE___LBMP 24039	107.00 -12.22 -2.87	100.20 -11.07 -3.78	96.23 -10.37 -3.91	92.68 -9.89 -4.65	86.46 -8.69 -7.34	94.51 -10.19 -6.68	131.33 -13.95 0.00	129.87 -16.50 -2.91	128.99 -14.77 -4.43	123.81 -15.91 -4.92	82.88 -10.33 -7.86	82.84 -10.48 -7.42	79.84 -9.92 -7.80	82.77 -10.65 -6.85	77.84 -9.90 -8.54	86.58 -11.68 -6.32	85.08 -10.51 -10.16	93.56 -11.30 -12.23	91.37 -10.70 -12.14	82.81 -9.57 -11.25	79.59 -9.07 -9.79	74.74 -9.21 -8.43	88.47 -10.35 -7.21	77.65 -7.33 -9.46
GARDNVLA_35_KV_LD 355827	107.26 -11.98 -2.90	100.56 -10.75 -3.81	96.57 -10.06 -3.94	93.01 -9.60 -4.69	86.78 -8.43 -7.40	94.86 -9.90 -6.74	131.91 -13.37 0.00	130.35 -16.07 -2.96	129.58 -14.21 -4.47	124.28 -15.50 -4.98	83.27 -10.07 -7.99	83.23 -10.22 -7.55	80.22 -9.67 -7.93	83.15 -10.39 -6.96	78.31 -9.58 -8.69	87.06 -11.31 -6.42	85.60 -10.17 -10.33	94.05 -11.02 -12.44	91.85 -10.43 -12.35	83.25 -9.33 -11.45	79.99 -8.83 -9.96	75.11 -8.99 -8.58	88.80 -10.08 -7.27	77.96 -7.10 -9.53
GELCKHM___115KV_LOAD 80723	114.89 -3.02 -1.57	106.66 -2.90 -2.06	101.95 -2.88 -2.13	97.81 -2.64 -2.54	89.44 -2.37 -4.01	99.02 -2.65 -3.65	141.79 -3.49 0.00	142.00 -3.44 -1.99	135.84 -3.48 0.00	132.88 -3.37 -1.45	88.51 -2.22 -5.38	88.74 -2.23 -5.07	85.16 -2.13 -5.34	89.00 -2.25 -4.68	83.06 -1.98 -5.84	94.06 -2.21 -4.32	90.42 -1.96 -6.95	98.81 -2.04 -8.22	96.20 -1.89 -8.15	86.98 -1.70 -7.56	83.89 -1.66 -6.68	79.54 -1.74 -5.76	93.43 -2.11 -3.94	78.94 -1.74 -5.16
GENERAL___MILLS 23808	107.14 -12.10 -2.89	100.33 -10.97 -3.80	96.46 -10.17 -3.93	92.90 -9.69 -4.68	86.68 -8.52 -7.39	94.65 -10.10 -6.72	131.76 -13.51 0.00	130.05 -16.35 -2.94	129.43 -14.35 -4.46	124.12 -15.64 -4.96	83.15 -10.16 -7.96	83.11 -10.31 -7.51	80.02 -9.84 -7.90	83.03 -10.48 -6.93	78.11 -9.74 -8.65	86.85 -11.49 -6.39	85.38 -10.34 -10.28	93.81 -11.21 -12.38	91.62 -10.61 -12.29	83.03 -9.49 -11.39	79.79 -8.99 -9.91	75.00 -9.06 -8.54	88.60 -10.26 -7.26	77.78 -7.25 -9.51
GE_PLASTICS___DRP 24183	142.17 4.65 -21.17	139.61 4.30 -27.81	135.59 4.11 -28.79	136.12 3.92 -34.29	145.42 3.51 -54.10	151.17 3.92 -49.23	203.37 5.67 -52.43	239.24 5.45 -90.33	239.85 5.43 -95.09	195.43 5.39 -55.24	161.41 3.50 -72.56	157.91 3.52 -68.49	157.25 3.28 -72.01	153.33 3.55 -63.20	161.34 3.25 -78.89	153.38 3.13 -58.31	182.06 2.82 -93.81	208.44 3.06 -112.75	204.82 2.97 -111.92	187.54 2.68 -103.73	171.64 2.60 -90.17	155.78 2.57 -77.69	147.95 3.21 -53.14	148.13 2.95 -69.66
GILBOA___1 23756	137.02 3.83 -16.84	133.16 3.54 -22.12	128.98 3.38 -22.90	128.41 3.23 -27.27	133.73 2.89 -43.03	140.31 3.14 -39.16	157.60 4.79 -7.54	178.24 4.30 -30.49	171.18 4.32 -27.54	168.81 4.59 -29.43	145.94 2.90 -57.68	143.27 2.92 -54.45	142.00 2.79 -57.25	139.76 2.95 -50.24	144.61 2.69 -62.72	141.51 3.22 -46.35	162.82 2.82 -74.58	185.03 2.87 -89.52	181.58 2.79 -88.86	166.16 2.67 -82.36	153.33 2.84 -71.62	139.87 2.64 -61.71	137.16 3.29 -42.26	133.49 2.57 -55.41
GILBOA___2 23757	137.02 3.83 -16.84	133.16 3.54 -22.12	128.98 3.38 -22.90	128.41 3.23 -27.27	133.73 2.89 -43.03	140.31 3.14 -39.16	157.60 4.79 -7.54	178.24 4.30 -30.49	171.18 4.32 -27.54	168.81 4.59 -29.43	145.94 2.90 -57.68	143.27 2.92 -54.45	142.00 2.79 -57.25	139.76 2.95 -50.24	144.61 2.69 -62.72	141.51 3.22 -46.35	162.82 2.82 -74.58	185.03 2.87 -89.52	181.58 2.79 -88.86	166.16 2.67 -82.36	153.33 2.84 -71.62	139.87 2.64 -61.71	137.16 3.29 -42.26	133.49 2.57 -55.41



GILBOA___3 23758	137.02 3.83 -16.84	133.16 3.54 -22.12	128.98 3.38 -22.90	128.41 3.23 -27.27	133.73 2.89 -43.03	140.31 3.14 -39.16	157.60 4.79 -7.54	178.24 4.30 -30.49	171.18 4.32 -27.54	168.81 4.59 -29.43	145.94 2.90 -57.68	143.27 2.92 -54.45	142.00 2.79 -57.25	139.76 2.95 -50.24	144.61 2.69 -62.72	141.51 3.22 -46.35	162.82 2.82 -74.58	185.03 2.87 -89.52	181.58 2.79 -88.86	166.16 2.67 -82.36	153.33 2.84 -71.62	139.87 2.64 -61.71	137.16 3.29 -42.26	133.49 2.57 -55.41
GILBOA___4 23759	137.02 3.83 -16.84	133.16 3.54 -22.12	128.98 3.38 -22.90	128.41 3.23 -27.27	133.73 2.89 -43.03	140.31 3.14 -39.16	157.60 4.79 -7.54	178.24 4.30 -30.49	171.18 4.32 -27.54	168.81 4.59 -29.43	145.94 2.90 -57.68	143.27 2.92 -54.45	142.00 2.79 -57.25	139.76 2.95 -50.24	144.61 2.69 -62.72	141.51 3.22 -46.35	162.82 2.82 -74.58	185.03 2.87 -89.52	181.58 2.79 -88.86	166.16 2.67 -82.36	153.33 2.84 -71.62	139.87 2.64 -61.71	137.16 3.29 -42.26	133.49 2.57 -55.41
GILBOA___ 23599	137.02 3.84 -16.84	133.17 3.55 -22.12	128.88 3.29 -22.90	128.42 3.23 -27.27	133.73 2.90 -43.03	140.31 3.14 -39.16	157.61 4.79 -7.54	178.23 4.30 -30.47	171.18 4.32 -27.54	168.80 4.58 -29.42	145.89 2.90 -57.63	143.23 2.92 -54.40	141.95 2.79 -57.20	139.72 2.94 -50.20	144.55 2.69 -62.66	141.48 3.22 -46.31	162.76 2.82 -74.51	185.10 2.87 -89.59	181.84 2.97 -88.93	166.23 2.68 -82.43	153.25 2.76 -71.62	139.88 2.64 -61.71	137.16 3.30 -42.26	133.49 2.57 -55.41
GINNA___ 23603	107.70 -10.70 -2.06	100.31 -9.89 -2.70	96.15 -9.34 -2.80	92.53 -8.71 -3.33	85.42 -7.64 -5.25	94.17 -8.63 -4.78	131.47 -13.80 0.00	133.51 -12.63 -2.68	126.08 -13.24 0.00	124.63 -12.13 -1.96	84.76 -7.85 -7.26	84.68 -8.08 -6.85	81.54 -7.62 -7.21	84.76 -8.14 -6.32	79.81 -7.28 -7.89	89.32 -8.46 -5.83	87.04 -7.77 -9.39	95.64 -8.34 -11.34	93.28 -7.92 -11.25	84.42 -7.14 -10.43	81.32 -6.62 -9.07	76.61 -6.72 -7.82	88.98 -7.79 -5.16	76.09 -6.19 -6.76
GLEN PARK___ 23778	118.86 1.63 -0.89	109.97 1.29 -1.17	104.83 0.92 -1.21	100.05 0.69 -1.44	91.14 1.06 -2.28	101.66 1.56 -2.07	149.05 3.77 0.00	148.73 4.16 -1.11	143.65 4.32 0.00	138.57 2.96 -0.81	89.47 1.11 -3.01	89.86 1.11 -2.84	85.52 0.58 -2.99	89.46 0.26 -2.62	82.79 0.32 -3.27	95.47 1.11 -2.42	90.77 1.45 -3.89	99.60 2.22 -4.75	96.62 1.98 -4.71	87.28 1.78 -4.37	84.16 1.49 -3.80	80.15 1.36 -3.27	94.76 0.92 -2.24	79.36 0.91 -2.93
GLENDALE_27_KV_LOAD 356172	143.02 9.54 -17.14	138.93 8.92 -22.50	134.31 8.32 -23.29	133.69 8.03 -27.74	138.60 7.02 -43.77	145.40 7.55 -39.83	168.92 11.19 -12.46	191.58 11.33 -36.78	185.47 11.42 -34.72	178.06 11.32 -31.94	151.58 7.60 -58.64	148.99 7.73 -55.35	147.70 7.54 -58.20	145.53 7.88 -51.08	150.00 7.05 -63.76	147.43 8.37 -47.12	169.10 7.86 -75.81	192.38 8.62 -91.13	188.67 8.27 -90.46	172.35 7.38 -83.84	158.83 7.10 -72.86	145.41 7.10 -62.79	144.52 9.16 -43.75	139.52 6.95 -57.05
GLENWOOD_IC_1_G5 23712	142.80 9.31 -17.15	138.83 8.82 -22.51	134.32 8.32 -23.30	133.60 7.93 -27.75	138.61 7.02 -43.78	145.31 7.45 -39.84	168.81 11.04 -12.50	191.31 11.05 -36.81	185.21 11.15 -34.74	177.39 10.65 -31.94	150.82 6.83 -58.64	148.30 7.04 -55.35	147.12 6.97 -58.20	145.01 7.36 -51.08	149.45 6.49 -63.76	148.85 8.09 -48.81	197.63 7.09 -105.10	221.12 7.69 -120.79	209.56 7.46 -112.16	190.75 6.73 -102.89	183.14 6.86 -97.41	160.62 6.72 -78.38	147.79 8.61 -47.58	138.67 6.65 -56.51
GLENWOOD_IC_2_G1 23688	142.08 8.61 -17.13	138.07 8.07 -22.50	133.69 7.71 -23.29	133.00 7.35 -27.74	137.98 6.41 -43.76	144.61 6.76 -39.83	167.75 10.02 -12.46	190.30 10.04 -36.80	184.22 10.17 -34.73	176.46 9.71 -31.95	150.43 6.40 -58.68	147.74 6.45 -55.39	146.59 6.40 -58.24	144.44 6.76 -51.11	149.01 6.02 -63.80	146.71 7.54 -47.23	169.56 7.01 -77.12	192.67 7.68 -92.35	188.83 7.56 -91.33	172.47 6.73 -84.61	159.21 6.47 -73.87	145.22 6.34 -63.35	142.85 8.06 -43.18	138.00 6.11 -56.36
GLENWOOD_IC_3_G1 23689	142.08 8.61 -17.13	138.07 8.07 -22.50	133.69 7.71 -23.29	133.00 7.35 -27.74	137.98 6.41 -43.76	144.61 6.76 -39.83	167.75 10.02 -12.46	190.30 10.04 -36.80	184.22 10.17 -34.73	176.46 9.71 -31.95	150.43 6.40 -58.68	147.74 6.45 -55.39	146.59 6.40 -58.24	144.44 6.76 -51.11	149.01 6.02 -63.80	146.71 7.54 -47.23	169.56 7.01 -77.12	192.67 7.68 -92.35	188.83 7.56 -91.33	172.47 6.73 -84.61	159.21 6.47 -73.87	145.22 6.34 -63.35	142.85 8.06 -43.18	138.00 6.11 -56.36
GLENWOOD___4 23550	142.80 9.31 -17.15	138.83 8.82 -22.51	134.32 8.32 -23.30	133.60 7.93 -27.75	138.61 7.02 -43.78	145.31 7.45 -39.84	168.81 11.04 -12.50	191.31 11.05 -36.81	185.21 11.15 -34.74	177.39 10.65 -31.94	150.82 6.83 -58.64	148.30 7.04 -55.35	147.12 6.97 -58.20	145.01 7.36 -51.08	149.45 6.49 -63.76	148.85 8.09 -48.81	197.80 7.26 -105.10	221.39 7.97 -120.79	209.74 7.64 -112.16	191.00 6.98 -102.89	183.14 6.86 -97.41	160.62 6.72 -78.38	147.79 8.61 -47.58	138.67 6.65 -56.51
GLENWOOD___5 23614	142.80 9.31 -17.15	138.83 8.82 -22.51	134.32 8.32 -23.30	133.60 7.93 -27.75	138.61 7.02 -43.78	145.31 7.45 -39.84	168.81 11.04 -12.50	191.31 11.05 -36.81	185.21 11.15 -34.74	177.39 10.65 -31.94	150.82 6.83 -58.64	148.30 7.04 -55.35	147.12 6.97 -58.20	145.01 7.36 -51.08	149.45 6.49 -63.76	148.85 8.09 -48.81	197.80 7.26 -105.10	221.39 7.97 -120.79	209.74 7.64 -112.16	191.00 6.98 -102.89	183.14 6.86 -97.41	160.62 6.72 -78.38	147.79 8.61 -47.58	138.67 6.65 -56.51
GLOBAL GREEN_PORT_GT1 23814	148.84 15.36 -17.14	144.51 14.51 -22.51	140.06 14.07 -23.30	139.18 13.52 -27.75	143.96 12.38 -43.77	150.89 13.04 -39.84	178.68 20.92 -12.48	199.94 19.66 -36.82	194.26 20.20 -34.75	183.05 16.30 -31.95	154.01 9.98 -58.67	151.34 10.05 -55.39	150.93 10.73 -58.24	148.42 10.73 -51.11	153.37 10.37 -63.80	153.40 13.33 -48.13	191.47 13.24 -92.79	215.58 14.73 -108.21	207.36 14.48 -102.94	188.74 12.81 -94.80	176.32 11.60 -85.85	156.02 11.25 -69.24	150.98 13.74 -45.64	142.68 10.72 -56.44
GLOBE___DSASP 323697	103.66 -15.36 -2.67	97.14 -13.87 -3.51	93.39 -12.94 -3.63	90.00 -12.24 -4.32	83.91 -10.71 -6.82	91.58 -12.64 -6.21	125.23 -20.05 0.00	125.37 -20.66 -2.57	122.78 -20.62 -4.08	119.16 -20.09 -4.45	79.40 -12.89 -6.94	79.31 -13.14 -6.55	76.47 -12.38 -6.89	79.29 -13.33 -6.05	74.63 -12.12 -7.55	83.09 -14.44 -5.58	81.42 -12.99 -8.97	89.26 -14.17 -10.80	87.25 -13.40 -10.72	79.22 -11.84 -9.93	76.40 -11.12 -8.65	71.87 -11.10 -7.45	86.12 -12.18 -6.70	75.47 -8.84 -8.78
GOETHSLN___LBMP 323567	105.63 7.68 18.39	105.86 7.20 8.85	105.92 6.78 3.55	105.99 6.46 -1.61	106.11 5.62 -12.69	106.31 5.98 -2.31	135.89 8.72 18.10	159.75 9.04 -7.25	134.48 9.06 13.89	130.40 9.30 13.70	105.20 6.23 -13.62	105.28 6.44 -12.93	105.33 6.23 -17.14	105.28 6.58 -12.13	105.29 5.78 -20.31	111.54 6.90 -12.70	116.04 6.41 -24.20	129.90 7.13 -30.13	120.38 6.75 -23.69	120.57 6.17 -33.27	111.38 5.84 -26.67	110.58 5.82 -29.25	107.15 7.69 -7.85	105.46 5.74 -24.20
GOLAH___69_KV_TB 1_2 80279	110.71 -7.80 -2.16	103.25 -7.10 -2.84	98.96 -6.68 -2.94	95.25 -6.17 -3.50	88.16 -5.18 -5.53	96.88 -6.18 -5.03	134.81 -10.46 0.00	136.33 -9.90 -2.78	131.93 -10.59 -3.20	129.00 -9.84 -4.04	86.21 -6.66 -7.52	86.13 -6.87 -7.09	82.94 -6.47 -7.46	86.02 -7.10 -6.55	81.11 -6.26 -8.17	90.54 -7.45 -6.04	88.49 -6.66 -9.72	97.31 -6.95 -11.62	95.09 -6.39 -11.54	86.06 -5.76 -10.69	82.92 -5.28 -9.34	77.98 -5.59 -8.05	91.08 -5.95 -5.43	78.26 -4.38 -7.12



GOODYEAR_LAKE_HYD 323669	126.58 4.89 -5.35	118.93 4.41 -7.02	114.07 4.11 -7.27	110.49 3.92 -8.66	105.15 3.69 -13.66	114.66 4.21 -12.43	189.71 7.12 -37.31	202.66 6.89 -52.31	211.77 6.97 -65.48	169.72 6.20 -28.72	107.00 3.50 -18.14	106.55 3.52 -17.13	103.16 3.20 -18.01	105.93 3.55 -15.81	102.25 3.33 -19.73	111.03 4.51 -14.58	113.25 4.36 -23.46	126.25 4.72 -28.88	123.19 4.59 -28.67	111.84 4.14 -26.57	105.37 3.94 -22.56	98.66 3.70 -19.44	109.23 4.21 -13.41	96.43 3.32 -17.59
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	120.49 -1.40 -5.54	113.49 -1.29 -7.27	108.99 -1.23 -7.53	105.71 -1.17 -8.97	100.90 -1.05 -14.15	109.62 -1.27 -12.88	150.07 -0.44 -5.23	155.10 -1.72 -13.36	151.67 -1.11 -13.46	143.91 -1.89 -11.00	102.51 -1.37 -18.53	102.02 -1.37 -17.49	98.96 -1.39 -18.39	101.33 -1.39 -16.14	98.08 -1.27 -20.15	105.64 -1.20 -14.89	108.45 -0.94 -23.95	120.70 -1.02 -29.08	117.91 -0.90 -28.87	107.08 -0.81 -26.76	101.12 -0.79 -23.03	94.46 -0.91 -19.85	104.40 -1.10 -13.90	93.06 -0.68 -18.22
GOUDEY___7 23579	120.49 -1.40 -5.54	113.49 -1.29 -7.27	108.99 -1.23 -7.53	105.71 -1.17 -8.97	100.90 -1.05 -14.15	109.62 -1.27 -12.88	150.07 -0.44 -5.23	155.10 -1.72 -13.36	151.67 -1.11 -13.46	143.91 -1.89 -11.00	102.51 -1.37 -18.53	102.02 -1.37 -17.49	98.96 -1.39 -18.39	101.33 -1.39 -16.14	98.08 -1.27 -20.15	105.64 -1.20 -14.89	108.45 -0.94 -23.95	120.70 -1.02 -29.08	117.91 -0.90 -28.87	107.08 -0.81 -26.76	101.12 -0.79 -23.03	94.46 -0.91 -19.85	104.40 -1.10 -13.90	93.06 -0.68 -18.22
GOUDEY___8 23580	120.49 -1.40 -5.54	113.49 -1.29 -7.27	108.99 -1.23 -7.53	105.71 -1.17 -8.97	100.90 -1.05 -14.15	109.62 -1.27 -12.88	150.07 -0.44 -5.23	155.10 -1.72 -13.36	151.67 -1.11 -13.46	143.91 -1.89 -11.00	102.51 -1.37 -18.53	102.02 -1.37 -17.49	98.96 -1.39 -18.39	101.33 -1.39 -16.14	98.08 -1.27 -20.15	105.64 -1.20 -14.89	108.45 -0.94 -23.95	120.70 -1.02 -29.08	117.91 -0.90 -28.87	107.08 -0.81 -26.76	101.12 -0.79 -23.03	94.46 -0.91 -19.85	104.40 -1.10 -13.90	93.06 -0.68 -18.22
GOWANUS_GT1_1 24077	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT1_2 24078	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT1_3 24079	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT1_4 24080	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT1_5 24084	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT1_6 24111	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT1_7 24112	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT1_8 24113	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GOWANUS_GT2_1 24114	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT2_2 24115	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT2_3 24116	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36



GOWANUS_GT2_4 24117	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT2_5 24118	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT2_6 24119	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT2_7 24120	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT2_8 24121	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_1 24122	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_2 24123	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_3 24124	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_4 24125	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_5 24126	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_6 24127	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_7 24128	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT3_8 24129	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
GOWANUS_GT4_1 24130	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36
GOWANUS_GT4_2 24131	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36



GOWANUS_GT4_3 24132	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36
GOWANUS_GT4_4 24133	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36
GOWANUS_GT4_5 24134	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36
GOWANUS_GT4_6 24135	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36
GOWANUS_GT4_7 24136	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36
GOWANUS_GT4_8 24137	148.90 9.89 -22.67	144.13 9.25 -27.38	138.90 8.73 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	158.68 10.90 -2.51	169.92 11.05 -15.41	160.26 11.56 -9.37	153.72 11.32 -7.60	158.69 7.68 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.85 7.13 -70.53	137.37 8.27 -37.15	139.54 8.03 -46.07	142.75 8.71 -41.41	142.54 8.27 -44.33	142.45 7.46 -53.85	133.23 7.10 -47.26	133.77 7.10 -51.16	149.32 9.25 -48.46	143.98 7.10 -61.36
GREENBSH_115KV_TB3 55895	142.72 5.12 -21.25	140.15 4.73 -27.91	136.21 4.62 -28.90	136.64 4.31 -34.42	146.06 3.95 -54.30	151.75 4.31 -49.42	217.65 6.39 -65.99	256.33 6.03 -106.85	259.64 5.99 -114.32	201.88 5.93 -61.15	162.11 3.93 -72.83	158.60 3.95 -68.75	157.93 3.69 -72.29	154.00 3.98 -63.44	162.03 3.64 -58.53	153.60 3.13 -94.16	182.33 2.73 -113.18	208.78 2.96 -112.34	205.06 2.79 -112.34	187.77 2.51 -104.12	171.82 2.44 -90.51	155.92 2.42 -77.98	148.06 3.11 -53.34	148.69 3.25 -69.92
GREENIDGE_115KV_TB5 80291	114.20 -5.58 -3.44	107.50 -4.52 -4.52	103.06 -4.31 -4.68	99.86 -3.62 -5.57	93.69 -2.90 -8.79	102.49 -3.53 -8.00	143.28 -4.94 -2.94	145.16 -6.03 -7.73	141.04 -5.85 -7.57	134.37 -6.87 -6.45	93.28 -3.33 -11.25	93.09 -3.44 -10.62	89.77 -3.36 -11.17	92.83 -3.55 -9.80	88.27 -3.17 -12.24	97.68 -3.31 -9.04	96.99 -2.99 -14.55	107.17 -2.96 -17.50	104.69 -2.61 -17.37	95.12 -2.11 -16.10	90.81 -2.05 -13.99	85.16 -2.42 -12.06	97.30 -2.93 -8.63	84.79 -2.04 -11.31
GREENIDGE___3 23582	114.20 -5.58 -3.44	107.50 -4.52 -4.52	103.06 -4.31 -4.68	99.86 -3.62 -5.57	93.69 -2.90 -8.79	102.49 -3.53 -8.00	143.28 -4.94 -2.94	145.16 -6.03 -7.73	141.04 -5.85 -7.57	134.37 -6.87 -6.45	93.28 -3.33 -11.25	93.09 -3.44 -10.62	89.77 -3.36 -11.17	92.83 -3.55 -9.80	88.27 -3.17 -12.24	97.68 -3.31 -9.04	96.99 -2.99 -14.55	107.17 -2.96 -17.50	104.69 -2.61 -17.37	95.12 -2.11 -16.10	90.81 -2.05 -13.99	85.16 -2.42 -12.06	97.30 -2.93 -8.63	84.79 -2.04 -11.31
GREENIDGE___4 23583	114.08 -5.70 -3.44	107.51 -4.51 -4.52	103.06 -4.31 -4.68	99.86 -3.62 -5.57	93.70 -2.90 -8.79	101.99 -4.02 -8.00	143.28 -4.94 -2.94	145.17 -6.02 -7.73	141.05 -5.85 -7.57	134.38 -6.87 -6.45	93.28 -3.33 -11.26	93.09 -3.44 -10.63	89.77 -3.36 -11.18	92.83 -3.55 -9.81	88.27 -3.17 -12.24	97.31 -3.68 -9.05	97.34 -2.65 -14.56	107.16 -2.97 -17.49	104.68 -2.61 -17.36	95.11 -2.11 -16.09	90.74 -2.13 -13.99	85.16 -2.42 -12.06	97.21 -3.02 -8.63	84.80 -2.04 -11.31
GREENLWN_69_KV_BK 3 55738	141.74 8.26 -17.14	138.50 8.49 -22.51	134.11 8.11 -23.30	133.40 7.74 -27.75	138.43 6.85 -43.77	144.42 6.57 -39.84	166.60 8.86 -12.47	189.00 8.75 -36.80	182.83 8.78 -34.73	174.69 7.95 -31.94	149.11 5.12 -58.64	146.75 5.50 -55.35	145.73 5.57 -58.20	143.88 6.23 -51.08	148.18 5.23 -63.76	146.96 6.90 -48.12	185.13 6.58 -93.12	208.43 7.13 -108.66	200.14 6.93 -103.28	182.56 6.33 -95.10	170.79 5.68 -86.24	150.85 5.74 -69.59	144.82 7.51 -45.70	138.46 6.49 -56.45
GREENWD_138_KV_38B11_REV_LBMP_J 345004	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36
GRISSOM___SOLAR 323813	147.97 8.14 -23.48	145.75 7.41 -30.84	141.70 7.08 -31.93	142.69 6.75 -38.03	154.04 6.23 -60.00	160.07 7.45 -54.60	279.14 11.47 -122.39	332.98 11.48 -178.04	343.89 10.87 -193.69	231.07 9.17 -87.10	170.89 5.03 -80.50	166.44 4.55 -75.99	166.20 4.34 -79.90	161.54 4.85 -70.12	171.56 4.83 -87.53	163.26 6.62 -64.69	196.60 7.09 -104.08	225.40 7.87 -124.90	221.73 7.82 -123.98	203.02 6.98 -114.91	185.19 6.39 -99.93	167.67 6.04 -86.10	157.49 6.96 -58.93	158.06 5.28 -77.26
GROVEVILLE___HYD 323602	142.40 8.96 -17.10	138.35 8.39 -22.46	133.96 8.01 -23.25	133.24 7.64 -27.69	138.17 6.67 -43.69	145.33 7.55 -39.76	169.77 11.19 -13.31	192.57 11.33 -37.78	186.78 11.56 -35.89	178.11 11.05 -32.26	150.89 7.00 -58.54	148.21 7.04 -55.26	146.70 6.64 -58.10	144.67 7.10 -50.99	149.34 6.49 -63.65	146.99 8.00 -47.05	168.55 7.43 -75.69	191.97 8.34 -90.99	188.26 8.00 -90.32	172.15 7.30 -83.72	158.64 7.02 -72.75	144.93 6.72 -62.69	142.77 8.24 -42.92	137.90 6.12 -56.26
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	115.65 -2.44 -1.75	107.33 -2.47 -2.30	102.61 -2.46 -2.38	98.40 -2.35 -2.84	90.17 -2.11 -4.47	99.74 -2.35 -4.07	142.37 -2.91 0.00	142.95 -2.73 -2.22	136.40 -2.93 0.00	133.46 -2.97 -1.62	89.48 -1.88 -6.00	89.68 -1.89 -5.66	86.11 -1.80 -5.96	89.90 -1.90 -5.23	84.06 -1.66 -6.53	94.93 -1.84 -4.82	91.65 -1.54 -7.76	100.21 -1.57 -9.15	97.58 -1.44 -9.08	88.25 -1.30 -8.42	85.07 -1.26 -7.46	80.59 -1.36 -6.43	94.26 -1.74 -4.39	79.85 -1.43 -5.76



HAMLTNNY_34_KV_TB 80303	116.11 -2.09 -1.86	107.91 -2.04 -2.45	103.18 -2.05 -2.54	99.07 -1.86 -3.02	90.90 -1.67 -4.76	100.49 -1.86 -4.34	143.24 -2.03 0.00	143.67 -2.15 -2.36	137.09 -2.23 0.00	134.24 -2.29 -1.73	90.21 -1.54 -6.39	90.39 -1.55 -6.03	86.83 -1.48 -6.34	90.58 -1.56 -5.57	84.80 -1.35 -6.95	95.70 -1.38 -5.13	92.58 -1.11 -8.26	101.26 -1.11 -9.74	98.61 -0.99 -9.67	89.19 -0.89 -8.96	85.94 -0.87 -7.94	81.38 -0.98 -6.84	95.00 -1.28 -4.68	80.60 -1.06 -6.13
HAMPSHIRE___PAPER_HYD 323593	116.21 -0.58 -0.44	107.55 -0.53 -0.58	102.68 -0.61 -0.60	97.95 -0.68 -0.72	88.50 -0.44 -1.13	98.75 -0.29 -1.03	144.70 -0.58 0.00	143.72 -0.29 -0.55	138.20 -1.12 0.00	133.44 -1.76 -0.40	85.56 -1.28 -1.49	85.93 -1.38 -1.40	82.37 -1.07 -1.48	86.31 -1.56 -1.30	79.31 -1.51 -1.62	91.49 -1.65 -1.20	85.65 -1.71 -1.92	93.41 -1.58 -2.35	90.56 -1.71 -2.33	81.67 -1.62 -2.16	79.02 -1.74 -1.88	75.86 -1.28 -1.62	90.88 -1.83 -1.11	75.76 -1.21 -1.45
HARDSCRABBLE_WT_PWR 323673	120.30 3.96 0.00	111.04 3.54 0.00	106.08 3.38 0.00	101.05 3.13 0.00	90.70 2.89 0.00	101.16 3.14 0.00	149.92 4.65 0.00	147.76 4.30 0.00	143.50 4.18 0.00	138.84 4.04 0.00	87.91 2.56 0.00	88.57 2.67 0.00	84.58 2.62 0.00	89.17 2.59 0.00	81.50 2.30 0.00	94.24 2.30 0.00	87.31 1.88 0.00	94.49 1.85 0.00	91.46 1.53 0.00	82.59 1.46 0.00	80.37 1.49 0.00	77.26 1.74 0.00	93.90 2.29 0.00	77.48 1.96 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	139.16 6.86 -15.95	134.90 6.45 -20.95	130.44 6.06 -21.69	129.52 5.78 -25.83	133.66 5.09 -40.76	140.70 5.59 -37.09	165.41 8.43 -11.71	186.44 8.61 -34.38	180.60 8.78 -32.50	173.23 8.63 -29.80	145.41 5.46 -54.60	143.03 5.58 -51.54	141.48 5.33 -54.19	139.76 5.63 -47.56	143.63 5.07 -59.37	142.17 6.34 -43.88	161.92 5.89 -70.59	184.09 6.58 -84.87	180.48 6.30 -84.25	164.97 5.76 -78.09	152.25 5.52 -67.86	139.27 5.29 -58.47	138.23 6.60 -40.03	132.84 4.83 -52.48
HARSNRAD_115KV_TB1 81005	104.07 -14.89 -2.62	97.51 -13.44 -3.44	93.73 -12.53 -3.57	90.31 -11.85 -4.25	84.06 -10.45 -6.70	91.96 -12.15 -6.10	126.53 -18.74 0.00	126.36 -19.80 -2.70	123.95 -19.37 -3.99	120.15 -19.14 -4.49	80.37 -12.29 -7.31	80.26 -12.54 -6.90	77.41 -11.80 -7.25	80.30 -12.64 -6.37	75.58 -11.56 -7.95	84.12 -13.70 -5.87	82.58 -12.30 -9.45	90.56 -13.43 -11.36	88.53 -12.68 -11.27	80.38 -11.20 -10.45	77.48 -10.49 -9.10	72.79 -10.57 -7.84	86.37 -11.82 -6.58	75.92 -8.23 -8.63
HARZA MOOSE___RIVER 24016	119.46 2.56 -0.56	110.49 2.26 -0.73	105.51 2.05 -0.76	100.68 1.86 -0.90	91.16 1.93 -1.42	101.67 2.35 -1.29	149.49 4.21 0.00	148.47 4.30 -0.70	143.78 4.46 0.00	139.09 3.77 -0.52	89.22 1.96 -1.91	89.59 1.89 -1.80	85.41 1.56 -1.89	89.36 1.13 -1.66	82.14 0.87 -2.08	94.76 1.29 -1.53	89.18 1.28 -2.47	97.21 1.67 -2.90	94.35 1.53 -2.88	85.10 1.30 -2.67	82.43 1.18 -2.37	78.62 1.06 -2.04	93.92 0.92 -1.40	78.18 0.83 -1.83
HDSNBRDG_115KV_BRDG_TB1 355580	115.02 -2.91 -1.59	106.90 -2.69 -2.08	102.18 -2.67 -2.16	97.94 -2.55 -2.57	89.67 -2.20 -4.06	99.26 -2.45 -3.69	142.08 -3.20 0.00	142.31 -3.16 -2.01	136.12 -3.20 0.00	133.17 -3.10 -1.47	88.74 -2.05 -5.44	88.98 -2.06 -5.13	85.39 -1.97 -5.40	89.23 -2.08 -4.74	83.29 -1.82 -5.91	94.29 -2.02 -4.37	90.67 -1.79 -7.03	99.10 -1.85 -8.32	96.49 -1.71 -8.26	87.24 -1.54 -7.65	84.13 -1.50 -6.76	79.76 -1.59 -5.82	93.66 -1.92 -3.98	79.16 -1.59 -5.22
HELLGATE_13_KV_LD 55870	142.55 9.07 -17.14	138.50 8.49 -22.50	133.90 7.91 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	145.01 7.16 -39.83	168.34 10.61 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.07 7.08 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.53 6.57 -63.76	146.97 7.91 -47.12	168.59 7.35 -75.81	191.82 8.06 -91.13	188.13 7.73 -90.46	171.86 6.90 -83.84	158.36 6.63 -72.86	145.11 6.80 -62.79	144.06 8.70 -43.75	139.14 6.57 -57.05
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	142.55 9.07 -17.14	138.50 8.49 -22.50	133.90 7.91 -23.29	133.29 7.64 -27.74	138.25 6.67 -43.77	145.01 7.16 -39.83	168.34 10.61 -12.46	190.86 10.62 -36.78	184.63 10.59 -34.72	177.39 10.65 -31.94	151.07 7.08 -58.64	148.56 7.30 -55.35	147.21 7.05 -58.20	145.10 7.45 -51.08	149.53 6.57 -63.76	146.97 7.91 -47.12	168.59 7.35 -75.81	191.82 8.06 -91.13	188.13 7.73 -90.46	171.86 6.90 -83.84	158.36 6.63 -72.86	145.11 6.80 -62.79	144.06 8.70 -43.75	139.14 6.57 -57.05
HEMPSTEAD____ 23647	142.80 9.31 -17.14	138.83 8.82 -22.51	134.42 8.42 -23.30	133.70 8.03 -27.75	138.61 7.03 -43.78	145.01 7.15 -39.84	168.67 10.90 -12.50	190.89 10.62 -36.82	184.79 10.73 -34.74	176.46 9.71 -31.95	150.26 6.23 -58.68	147.56 6.27 -55.39	146.59 6.40 -58.24	144.44 6.76 -51.11	149.01 6.02 -63.80	148.46 7.91 -48.61	193.91 7.35 -101.13	217.15 7.87 -116.65	206.87 7.82 -109.11	188.40 7.05 -100.22	180.10 6.70 -94.53	159.53 6.72 -77.30	147.16 8.61 -46.95	138.65 6.65 -56.49
HEWLETT_69_KV_BK3 55828	143.96 10.47 -17.15	139.91 9.89 -22.52	135.45 9.45 -23.31	134.68 9.01 -27.76	139.49 7.90 -43.78	146.30 8.43 -39.85	170.01 12.20 -12.53	192.31 12.05 -36.81	186.05 11.98 -34.74	177.93 11.19 -31.94	151.24 7.25 -58.64	148.81 7.56 -55.35	147.70 7.54 -58.20	145.62 7.96 -51.08	150.00 7.05 -63.76	149.47 8.83 -48.70	197.01 8.37 -103.20	220.58 9.08 -118.87	209.59 8.90 -110.75	190.90 8.11 -101.66	188.04 7.49 -101.67	172.74 7.33 -89.89	148.32 9.44 -47.28	139.34 7.33 -56.50
HICKLING___1 23621	116.42 -4.30 -4.38	109.49 -3.76 -5.75	105.06 -3.59 -5.95	101.58 -3.43 -7.09	96.01 -2.99 -11.19	104.67 -3.53 -10.18	146.16 -2.91 -3.79	147.89 -5.45 -9.89	145.01 -4.18 -9.86	137.15 -5.93 -8.28	95.81 -3.76 -14.21	95.45 -3.87 -13.41	92.38 -3.69 -14.11	95.14 -3.81 -12.38	91.16 -3.48 -15.45	99.50 -3.86 -11.42	100.47 -3.33 -18.37	111.29 -3.52 -22.17	108.79 -3.15 -22.01	98.69 -2.84 -20.40	93.70 -2.84 -17.67	87.73 -3.02 -15.23	98.93 -3.66 -10.99	87.58 -2.34 -14.41
HICKLING___2 23622	116.42 -4.30 -4.38	109.49 -3.76 -5.75	105.06 -3.59 -5.95	101.58 -3.43 -7.09	96.01 -2.99 -11.19	104.67 -3.53 -10.18	146.16 -2.91 -3.79	147.89 -5.45 -9.89	145.01 -4.18 -9.86	137.15 -5.93 -8.28	95.81 -3.76 -14.21	95.45 -3.87 -13.41	92.38 -3.69 -14.11	95.14 -3.81 -12.38	91.16 -3.48 -15.45	99.50 -3.86 -11.42	100.47 -3.33 -18.37	111.29 -3.52 -22.17	108.79 -3.15 -22.01	98.69 -2.84 -20.40	93.70 -2.84 -17.67	87.73 -3.02 -15.23	98.93 -3.66 -10.99	87.58 -2.34 -14.41
HIGH FALLS___HY 23754	143.63 10.35 -16.93	139.41 9.68 -22.23	134.95 9.24 -23.02	134.14 8.81 -27.41	138.78 7.73 -43.25	146.20 8.82 -39.36	177.25 13.22 -18.76	200.96 13.34 -44.16	196.25 13.51 -43.41	181.65 12.54 -34.32	150.98 7.68 -57.95	148.25 7.65 -54.70	146.61 7.13 -57.52	144.76 7.71 -50.48	149.25 7.05 -63.01	147.61 9.10 -46.57	169.15 8.80 -74.92	192.71 10.00 -90.07	188.88 9.53 -89.41	172.84 8.84 -82.87	159.33 8.44 -72.02	145.65 8.08 -62.05	143.80 9.71 -42.48	138.24 7.02 -55.69
HIGH_RIVER___SOLAR 323847	144.76 5.70 -22.71	142.49 5.16 -29.83	138.50 4.93 -30.88	139.39 4.70 -36.78	150.22 4.39 -58.03	155.92 5.09 -52.81	282.39 7.84 -129.28	336.43 7.60 -185.38	350.50 7.10 -204.07	230.33 5.79 -89.74	166.18 2.99 -77.84	162.13 2.75 -73.48	161.84 2.62 -77.26	157.15 2.77 -67.81	166.77 2.93 -84.64	158.91 4.41 -62.56	190.86 4.78 -100.64	218.82 5.37 -120.81	215.07 5.21 -119.92	196.90 4.62 -111.15	179.87 4.33 -96.66	162.88 4.08 -83.29	153.36 4.76 -57.00	153.87 3.62 -74.73



HILLBURN___GT 23639	139.26 6.63 -16.28	135.01 6.12 -21.39	130.69 5.85 -22.14	129.86 5.58 -26.37	134.33 4.91 -41.61	141.17 5.29 -37.86	165.16 7.98 -11.90	186.54 8.03 -35.06	180.79 8.36 -33.11	173.43 8.22 -30.41	146.43 5.29 -55.78	143.97 5.42 -52.65	142.57 5.25 -55.36	140.71 5.55 -48.59	144.84 4.99 -60.65	142.84 6.07 -44.83	163.28 5.72 -72.12	185.52 6.30 -86.58	182.07 6.20 -85.94	166.30 5.52 -79.65	153.51 5.37 -69.27	140.34 5.14 -59.69	138.88 6.41 -40.87	133.78 4.68 -53.58
HILLSIDE_115KV_TB1 80332	115.29 -5.58 -4.53	108.51 -4.95 -5.95	104.13 -4.72 -6.16	100.74 -4.50 -7.33	95.43 -3.95 -11.57	103.94 -4.61 -10.53	144.56 -4.65 -3.93	146.41 -7.32 -10.27	143.72 -5.85 -10.25	135.99 -7.41 -8.60	95.42 -4.69 -14.76	95.03 -4.81 -13.94	92.02 -4.59 -14.65	94.67 -4.76 -12.86	90.89 -4.36 -16.05	98.94 -4.87 -11.86	100.25 -4.27 -19.09	111.04 -4.63 -23.04	108.49 -4.32 -22.87	98.43 -3.89 -21.20	93.36 -3.86 -18.36	87.41 -3.93 -15.82	98.30 -4.67 -11.37	87.25 -3.17 -14.90
HISHELDN_WT_PWR 323625	108.39 -11.06 -3.10	101.58 -9.99 -4.08	97.47 -9.45 -4.22	94.03 -8.91 -5.03	87.92 -7.82 -7.93	96.02 -9.22 -7.22	132.63 -12.64 0.00	131.83 -14.92 -3.30	130.50 -13.65 -4.83	125.42 -14.83 -5.45	84.62 -9.65 -8.91	84.52 -9.80 -8.41	81.46 -9.35 -8.85	84.30 -10.04 -7.76	79.54 -9.35 -9.69	88.07 -11.04 -7.16	86.96 -10.00 -11.52	95.66 -10.84 -13.86	93.44 -10.25 -13.76	84.71 -9.17 -12.75	81.20 -8.76 -11.09	76.32 -8.76 -9.55	89.50 -9.90 -7.79	78.63 -7.10 -10.21
HOLTSVILLE_IC_1 23690	145.12 11.63 -17.14	140.98 10.97 -22.51	136.57 10.58 -23.30	135.65 9.99 -27.75	140.54 8.96 -43.77	146.87 9.01 -39.84	171.57 13.81 -12.48	193.33 13.05 -36.82	187.31 13.24 -34.75	177.66 10.91 -31.95	151.03 7.00 -58.67	148.33 7.05 -55.39	147.82 7.62 -58.24	145.48 7.79 -51.11	150.20 7.21 -63.80	149.63 9.56 -48.13	187.34 9.15 -92.76	210.83 10.01 -108.18	202.75 9.89 -102.92	184.83 8.92 -94.78	172.97 8.28 -85.82	152.96 8.23 -69.21	147.86 10.62 -45.63	140.20 8.23 -56.44
HOLTSVILLE_IC_10 23699	145.94 12.45 -17.14	141.73 11.72 -22.51	137.19 11.20 -23.30	136.24 10.58 -27.75	141.15 9.57 -43.77	147.47 9.61 -39.84	172.73 14.97 -12.49	194.49 14.21 -36.83	188.43 14.35 -34.75	178.47 11.72 -31.95	151.54 7.51 -58.67	148.85 7.56 -55.39	148.31 8.12 -58.24	146.00 8.31 -51.11	150.68 7.68 -63.80	150.28 10.20 -48.14	188.23 9.91 -92.89	211.78 10.83 -108.31	203.65 10.70 -103.02	185.64 9.65 -94.87	173.74 8.91 -85.96	153.70 8.83 -69.35	148.52 11.26 -45.65	140.65 8.68 -56.44
HOLTSVILLE_IC_2 23691	145.12 11.63 -17.14	140.98 10.97 -22.51	136.57 10.58 -23.30	135.65 9.99 -27.75	140.54 8.96 -43.77	146.87 9.01 -39.84	171.57 13.81 -12.48	193.33 13.05 -36.82	187.31 13.24 -34.75	177.66 10.91 -31.95	151.03 7.00 -58.67	148.33 7.05 -55.39	147.82 7.62 -58.24	145.48 7.79 -51.11	150.20 7.21 -63.80	149.63 9.56 -48.13	187.34 9.15 -92.76	210.83 10.01 -108.18	202.75 9.89 -102.92	184.83 8.92 -94.78	172.97 8.28 -85.82	152.96 8.23 -69.21	147.86 10.62 -45.63	140.20 8.23 -56.44
HOLTSVILLE_IC_3 23692	145.12 11.63 -17.14	140.98 10.97 -22.51	136.57 10.58 -23.30	135.65 9.99 -27.75	140.54 8.96 -43.77	146.87 9.01 -39.84	171.57 13.81 -12.48	193.33 13.05 -36.82	187.31 13.24 -34.75	177.66 10.91 -31.95	151.03 7.00 -58.67	148.33 7.05 -55.39	147.82 7.62 -58.24	145.48 7.79 -51.11	150.20 7.21 -63.80	149.63 9.56 -48.13	187.34 9.15 -92.76	210.83 10.01 -108.18	202.75 9.89 -102.92	184.83 8.92 -94.78	172.97 8.28 -85.82	152.96 8.23 -69.21	147.86 10.62 -45.63	140.20 8.23 -56.44
HOLTSVILLE_IC_4 23693	145.12 11.63 -17.14	140.98 10.97 -22.51	136.57 10.58 -23.30	135.65 9.99 -27.75	140.54 8.96 -43.77	146.87 9.01 -39.84	171.57 13.81 -12.48	193.33 13.05 -36.82	187.31 13.24 -34.75	177.66 10.91 -31.95	151.03 7.00 -58.67	148.33 7.05 -55.39	147.82 7.62 -58.24	145.48 7.79 -51.11	150.20 7.21 -63.80	149.63 9.56 -48.13	187.34 9.15 -92.76	210.83 10.01 -108.18	202.75 9.89 -102.92	184.83 8.92 -94.78	172.97 8.28 -85.82	152.96 8.23 -69.21	147.86 10.62 -45.63	140.20 8.23 -56.44
HOLTSVILLE_IC_5 23694	145.12 11.63 -17.14	140.98 10.97 -22.51	136.57 10.58 -23.30	135.65 9.99 -27.75	140.54 8.96 -43.77	146.87 9.01 -39.84	171.57 13.81 -12.48	193.33 13.05 -36.82	187.31 13.24 -34.75	177.66 10.91 -31.95	151.03 7.00 -58.67	148.33 7.05 -55.39	147.82 7.62 -58.24	145.48 7.79 -51.11	150.20 7.21 -63.80	149.63 9.56 -48.13	187.34 9.15 -92.76	210.83 10.01 -108.18	202.75 9.89 -102.92	184.83 8.92 -94.78	172.97 8.28 -85.82	152.96 8.23 -69.21	147.86 10.62 -45.63	140.20 8.23 -56.44
HOLTSVILLE_IC_6 23695	145.94 12.45 -17.14	141.73 11.72 -22.51	137.19 11.20 -23.30	136.24 10.58 -27.75	141.15 9.57 -43.77	147.47 9.61 -39.84	172.73 14.97 -12.49	194.49 14.21 -36.83	188.43 14.35 -34.75	178.47 11.72 -31.95	151.54 7.51 -58.67	148.85 7.56 -55.39	148.31 8.12 -58.24	146.00 8.31 -51.11	150.68 7.68 -63.80	150.28 10.20 -48.14	188.23 9.91 -92.89	211.78 10.83 -108.31	203.65 10.70 -103.02	185.64 9.65 -94.87	173.74 8.91 -85.96	153.70 8.83 -69.35	148.52 11.26 -45.65	140.65 8.68 -56.44
HOLTSVILLE_IC_7 23696	145.94 12.45 -17.14	141.73 11.72 -22.51	137.19 11.20 -23.30	136.24 10.58 -27.75	141.15 9.57 -43.77	147.47 9.61 -39.84	172.73 14.97 -12.49	194.49 14.21 -36.83	188.43 14.35 -34.75	178.47 11.72 -31.95	151.54 7.51 -58.67	148.85 7.56 -55.39	148.31 8.12 -58.24	146.00 8.31 -51.11	150.68 7.68 -63.80	150.28 10.20 -48.14	188.23 9.91 -92.89	211.78 10.83 -108.31	203.65 10.70 -103.02	185.64 9.65 -94.87	173.74 8.91 -85.96	153.70 8.83 -69.35	148.52 11.26 -45.65	140.65 8.68 -56.44
HOLTSVILLE_IC_8 23697	145.94 12.45 -17.14	141.73 11.72 -22.51	137.19 11.20 -23.30	136.24 10.58 -27.75	141.15 9.57 -43.77	147.47 9.61 -39.84	172.73 14.97 -12.49	194.49 14.21 -36.83	188.43 14.35 -34.75	178.47 11.72 -31.95	151.54 7.51 -58.67	148.85 7.56 -55.39	148.31 8.12 -58.24	146.00 8.31 -51.11	150.68 7.68 -63.80	150.28 10.20 -48.14	188.23 9.91 -92.89	211.78 10.83 -108.31	203.65 10.70 -103.02	185.64 9.65 -94.87	173.74 8.91 -85.96	153.70 8.83 -69.35	148.52 11.26 -45.65	140.65 8.68 -56.44
HOLTSVILLE_IC_9 23698	145.94 12.45 -17.14	141.73 11.72 -22.51	137.19 11.20 -23.30	136.24 10.58 -27.75	141.15 9.57 -43.77	147.47 9.61 -39.84	172.73 14.97 -12.49	194.49 14.21 -36.83	188.43 14.35 -34.75	178.47 11.72 -31.95	151.54 7.51 -58.67	148.85 7.56 -55.39	148.31 8.12 -58.24	146.00 8.31 -51.11	150.68 7.68 -63.80	150.28 10.20 -48.14	188.23 9.91 -92.89	211.78 10.83 -108.31	203.65 10.70 -103.02	185.64 9.65 -94.87	173.74 8.91 -85.96	153.70 8.83 -69.35	148.52 11.26 -45.65	140.65 8.68 -56.44
HOMER_HL_115KV_TB2 355744	107.75 -11.87 -3.28	101.05 -10.75 -4.30	96.98 -10.17 -4.45	93.53 -9.69 -5.30	87.48 -8.69 -8.37	95.64 -10.00 -7.62	137.28 -7.99 0.00	131.06 -15.92 -3.53	134.56 -9.89 -5.13	125.78 -14.83 -5.81	85.17 -9.73 -9.55	85.21 -9.71 -9.01	82.09 -9.34 -9.48	85.20 -9.70 -8.32	80.39 -9.19 -10.38	89.32 -10.30 -7.67	88.29 -9.48 -12.34	97.51 -10.00 -14.88	94.90 -9.80 -14.77	85.73 -9.09 -13.69	81.69 -9.07 -11.89	76.78 -8.99 -10.24	88.92 -10.90 -8.22	78.67 -7.63 -10.78
HOWARD_WT_PWR 323690	114.65 -5.35 -3.65	107.46 -4.84 -4.80	103.04 -4.62 -4.97	99.52 -4.31 -5.92	93.37 -3.77 -9.33	102.01 -4.51 -8.49	144.18 -4.22 -3.13	144.80 -6.74 -8.08	141.70 -5.72 -8.09	133.61 -7.95 -6.77	91.87 -5.04 -11.55	91.65 -5.15 -10.90	88.42 -5.00 -11.46	91.35 -5.28 -10.06	86.77 -4.99 -12.56	95.52 -5.70 -9.28	95.58 -4.78 -14.93	105.27 -5.28 -17.91	102.86 -4.86 -17.78	93.15 -4.46 -16.48	88.63 -4.58 -14.33	83.12 -4.76 -12.35	94.91 -5.86 -9.17	83.76 -3.77 -12.02



HQ_GEN_CEDARS 23644	116.34 0.00 0.00	107.61 0.11 0.00	102.90 0.21 0.00	98.01 0.10 0.00	87.81 0.00 0.00	98.22 0.20 0.00	144.84 -0.44 0.00	143.03 -0.43 0.00	138.91 -0.42 0.00	133.99 -0.81 0.00	84.93 -0.43 0.00	85.47 -0.43 0.00	81.55 -0.41 0.00	86.14 -0.43 0.00	78.80 -0.40 0.00	91.30 -0.64 0.00	84.75 -0.68 0.00	91.80 -0.83 0.00	88.95 -0.99 0.00	80.24 -0.89 0.00	77.85 -1.03 0.00	74.99 -0.53 0.00	90.69 -0.92 0.00	75.07 -0.45 0.00
HQ_GEN_CEDARS_PROXY 323590	116.34 0.00 0.00	107.61 0.11 0.00	102.90 0.21 0.00	98.01 0.10 0.00	87.81 0.00 0.00	98.22 0.20 0.00	144.84 -0.43 0.00	143.03 -0.43 0.00	138.91 -0.42 0.00	133.99 -0.80 0.00	84.93 -0.42 0.00	85.48 -0.43 0.00	81.55 -0.41 0.00	86.14 -0.43 0.00	78.80 -0.39 0.00	91.30 -0.64 0.00	84.75 -0.69 0.00	91.80 -0.84 0.00	88.95 -0.99 0.00	80.24 -0.89 0.00	77.84 -1.03 0.00	74.91 -0.61 0.00	90.69 -0.92 0.00	75.07 -0.45 0.00
HQ_GEN_IMPORT 323601	115.65 -0.69 0.00	106.97 -0.53 0.00	102.19 -0.51 0.00	97.43 -0.49 0.00	87.28 -0.52 0.00	97.53 -0.49 0.00	144.26 -1.01 0.00	142.60 -0.86 0.00	138.35 -0.97 0.00	133.72 -1.08 0.00	84.76 -0.59 0.00	85.31 -0.60 0.00	81.39 -0.57 0.00	85.97 -0.60 0.00	78.65 -0.55 0.00	91.20 -0.74 0.00	84.66 -0.77 0.00	91.80 -0.84 0.00	89.04 -0.90 0.00	80.24 -0.89 0.00	78.00 -0.87 0.00	74.84 -0.68 0.00	90.69 -0.92 0.00	74.91 -0.61 0.00
HQ_GEN_WHEEL 23651	115.65 -0.69 0.00	106.97 -0.53 0.00	102.19 -0.51 0.00	97.43 -0.49 0.00	87.28 -0.52 0.00	97.53 -0.49 0.00	144.26 -1.01 0.00	142.60 -0.86 0.00	138.35 -0.97 0.00	133.72 -1.08 0.00	84.76 -0.59 0.00	85.31 -0.60 0.00	81.39 -0.57 0.00	85.97 -0.60 0.00	78.65 -0.55 0.00	91.20 -0.74 0.00	84.66 -0.77 0.00	91.80 -0.84 0.00	89.04 -0.90 0.00	80.24 -0.89 0.00	78.00 -0.87 0.00	74.84 -0.68 0.00	90.69 -0.92 0.00	74.91 -0.61 0.00
HUDSON_AVE_GT_3 23810	142.08 8.61 -17.13	138.06 8.06 -22.49	133.58 7.60 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.43 10.19 -36.78	184.35 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.37 7.13 -55.34	147.03 6.88 -58.19	144.91 7.27 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.11	168.41 7.18 -75.80	191.63 7.87 -91.12	187.94 7.55 -90.45	171.78 6.81 -83.84	158.28 6.55 -72.86	144.79 6.49 -62.78	143.01 8.43 -42.98	138.21 6.34 -56.35
HUDSON_AVE_GT_4 23540	142.08 8.61 -17.13	138.06 8.06 -22.49	133.58 7.60 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.43 10.19 -36.78	184.35 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.37 7.13 -55.34	147.03 6.88 -58.19	144.91 7.27 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.11	168.41 7.18 -75.80	191.63 7.87 -91.12	187.94 7.55 -90.45	171.78 6.81 -83.84	158.28 6.55 -72.86	144.79 6.49 -62.78	143.01 8.43 -42.98	138.21 6.34 -56.35
HUDSON_AVE_GT_5 23657	142.08 8.61 -17.13	138.06 8.06 -22.49	133.58 7.60 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.43 10.19 -36.78	184.35 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.37 7.13 -55.34	147.03 6.88 -58.19	144.91 7.27 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.11	168.41 7.18 -75.80	191.63 7.87 -91.12	187.94 7.55 -90.45	171.78 6.81 -83.84	158.28 6.55 -72.86	144.79 6.49 -62.78	143.01 8.43 -42.98	138.21 6.34 -56.35
HUDSON_AVE_10 24168	141.85 8.38 -17.13	137.84 7.85 -22.49	133.37 7.39 -23.28	132.70 7.05 -27.73	137.71 6.15 -43.76	144.31 6.47 -39.82	167.17 9.44 -12.46	190.00 9.76 -36.78	183.94 9.89 -34.72	176.71 9.98 -31.94	150.64 6.66 -58.63	148.12 6.87 -55.34	146.79 6.64 -58.19	144.65 7.01 -51.07	149.12 6.18 -63.75	146.41 7.36 -47.11	168.15 6.92 -75.80	191.45 7.69 -91.12	187.67 7.28 -90.45	171.54 6.57 -83.84	158.04 6.31 -72.86	144.57 6.27 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35
HUDSON___115KV_TB 4 355613	144.18 7.10 -20.74	141.30 6.56 -27.24	137.26 6.37 -28.20	137.48 5.97 -33.59	146.24 5.44 -52.99	152.52 6.27 -48.23	208.87 9.30 -54.30	244.54 9.04 -92.05	245.56 8.92 -97.32	198.26 8.09 -55.37	161.38 4.95 -71.07	157.89 4.90 -67.09	157.01 4.51 -70.54	153.42 4.93 -61.91	161.15 4.67 -77.28	153.66 4.60 -57.12	181.68 4.36 -91.89	208.00 4.91 -110.45	204.25 4.68 -109.64	186.97 4.22 -101.62	171.30 4.10 -88.33	155.55 3.93 -76.11	148.24 4.58 -52.05	147.91 4.15 -68.24
HUNTER MOUNT___DRP 323613	143.86 7.33 -20.18	140.78 6.77 -26.51	136.81 6.68 -27.44	136.86 6.27 -32.68	144.99 5.62 -51.57	151.61 6.67 -46.93	201.99 9.88 -46.84	235.36 9.61 -82.29	235.18 9.61 -86.24	194.74 8.63 -51.32	159.58 5.12 -69.11	156.12 4.98 -65.24	155.14 4.59 -68.59	151.80 5.02 -60.20	159.09 4.75 -75.15	152.45 4.96 -55.54	179.57 4.78 -89.35	205.51 5.47 -107.40	201.76 5.22 -106.61	184.73 4.79 -98.81	169.33 4.57 -85.89	153.83 4.30 -74.00	147.20 4.95 -50.65	146.23 4.30 -66.40
HUNTINGTON_RES_REC 323705	143.60 10.12 -17.14	139.89 9.88 -22.51	135.55 9.55 -23.30	134.66 9.00 -27.75	139.57 7.99 -43.77	145.21 7.36 -39.84	169.07 11.34 -12.46	191.30 11.05 -36.80	185.05 11.00 -34.72	175.92 9.17 -31.95	149.91 5.88 -58.67	147.30 6.01 -55.39	146.59 6.40 -58.24	144.44 6.76 -51.11	149.01 6.02 -63.80	148.36 8.28 -48.14	186.31 7.95 -92.93	209.85 8.81 -108.41	201.75 8.72 -103.09	183.88 7.87 -94.88	172.04 7.18 -85.99	151.97 7.10 -69.36	146.43 9.16 -45.66	139.37 7.41 -56.44
HUNTLEY___63 23557	105.57 -13.50 -2.72	98.93 -12.15 -3.57	95.10 -11.30 -3.70	91.55 -10.77 -4.40	85.36 -9.40 -6.95	93.27 -11.08 -6.32	128.57 -16.71 0.00	128.11 -18.08 -2.73	126.21 -17.28 -4.16	122.03 -17.39 -4.62	81.56 -11.18 -7.39	81.45 -11.43 -6.97	78.47 -10.82 -7.33	81.41 -11.60 -6.44	76.62 -10.61 -8.03	85.19 -12.69 -5.94	83.62 -11.36 -9.55	91.80 -12.32 -11.49	89.65 -11.69 -11.40	81.40 -10.30 -10.57	78.37 -9.70 -9.20	73.71 -9.74 -7.93	87.53 -10.90 -6.82	76.84 -7.63 -8.95
HUNTLEY___64 23558	105.57 -13.50 -2.72	98.93 -12.15 -3.57	95.10 -11.30 -3.70	91.55 -10.77 -4.40	85.36 -9.40 -6.95	93.27 -11.08 -6.32	128.57 -16.71 0.00	128.11 -18.08 -2.73	126.21 -17.28 -4.16	122.03 -17.39 -4.62	81.56 -11.18 -7.39	81.45 -11.43 -6.97	78.47 -10.82 -7.33	81.41 -11.60 -6.44	76.62 -10.61 -8.03	85.19 -12.69 -5.94	83.62 -11.36 -9.55	91.80 -12.32 -11.49	89.65 -11.69 -11.40	81.40 -10.30 -10.57	78.37 -9.70 -9.20	73.71 -9.74 -7.93	87.53 -10.90 -6.82	76.84 -7.63 -8.95
HUNTLEY___65 23559	105.57 -13.50 -2.72	98.93 -12.15 -3.57	95.10 -11.30 -3.70	91.55 -10.77 -4.40	85.36 -9.40 -6.95	93.27 -11.08 -6.32	128.57 -16.71 0.00	128.11 -18.08 -2.73	126.21 -17.28 -4.16	122.03 -17.39 -4.62	81.56 -11.18 -7.39	81.45 -11.43 -6.97	78.47 -10.82 -7.33	81.41 -11.60 -6.44	76.62 -10.61 -8.03	85.19 -12.69 -5.94	83.62 -11.36 -9.55	91.80 -12.32 -11.49	89.65 -11.69 -11.40	81.40 -10.30 -10.57	78.37 -9.70 -9.20	73.71 -9.74 -7.93	87.53 -10.90 -6.82	76.84 -7.63 -8.95
HUNTLEY___66 23560	105.57 -13.50 -2.72	98.93 -12.15 -3.57	95.10 -11.30 -3.70	91.55 -10.77 -4.40	85.36 -9.40 -6.95	93.27 -11.08 -6.32	128.57 -16.71 0.00	128.11 -18.08 -2.73	126.21 -17.28 -4.16	122.03 -17.39 -4.62	81.56 -11.18 -7.39	81.45 -11.43 -6.97	78.47 -10.82 -7.33	81.41 -11.60 -6.44	76.62 -10.61 -8.03	85.19 -12.69 -5.94	83.62 -11.36 -9.55	91.80 -12.32 -11.49	89.65 -11.69 -11.40	81.40 -10.30 -10.57	78.37 -9.70 -9.20	73.71 -9.74 -7.93	87.53 -10.90 -6.82	76.84 -7.63 -8.95



HUNTLEY___67 23561	105.97 -13.15 -2.77	99.32 -11.83 -3.64	95.37 -11.09 -3.77	91.93 -10.48 -4.49	85.67 -9.22 -7.08	93.68 -10.78 -6.44	129.15 -16.13 0.00	128.53 -17.65 -2.72	126.72 -16.86 -4.25	122.35 -17.12 -4.67	81.60 -11.10 -7.35	81.58 -11.25 -6.93	78.60 -10.65 -7.29	81.54 -11.43 -6.40	76.73 -10.45 -7.99	85.34 -12.50 -5.90	83.74 -11.19 -9.50	91.93 -12.14 -11.43	89.77 -11.51 -11.35	81.51 -10.14 -10.52	78.40 -9.62 -9.15	73.74 -9.67 -7.89	87.84 -10.72 -6.96	77.01 -7.63 -9.12
HUNTLEY___68 23562	105.97 -13.15 -2.77	99.32 -11.83 -3.64	95.37 -11.09 -3.77	91.93 -10.48 -4.49	85.67 -9.22 -7.08	93.68 -10.78 -6.44	129.15 -16.13 0.00	128.53 -17.65 -2.72	126.72 -16.86 -4.25	122.35 -17.12 -4.67	81.60 -11.10 -7.35	81.58 -11.25 -6.93	78.60 -10.65 -7.29	81.54 -11.43 -6.40	76.73 -10.45 -7.99	85.34 -12.50 -5.90	83.74 -11.19 -9.50	91.93 -12.14 -11.43	89.77 -11.51 -11.35	81.51 -10.14 -10.52	78.40 -9.62 -9.15	73.74 -9.67 -7.89	87.84 -10.72 -6.96	77.01 -7.63 -9.12
HYLAND___LFG 323620	105.16 -14.20 -3.01	98.45 -13.01 -3.95	95.39 -11.40 -4.09	92.21 -10.58 -4.88	86.19 -9.31 -7.69	94.73 -10.29 -7.00	129.14 -16.13 0.00	131.28 -15.78 -3.61	126.99 -17.00 -4.67	122.45 -17.93 -5.58	84.19 -10.93 -9.76	83.78 -11.34 -9.22	80.75 -10.90 -9.69	83.56 -11.51 -8.50	79.67 -10.14 -10.61	88.66 -11.13 -7.85	88.74 -9.31 -12.62	97.52 -10.29 -15.17	96.09 -8.91 -15.06	86.97 -8.11 -13.96	83.36 -7.65 -12.14	78.05 -7.93 -10.46	89.63 -9.53 -7.56	82.48 -2.95 -9.91
INDECK___CORINTH 23802	145.78 7.45 -21.98	143.14 6.78 -28.86	139.16 6.58 -29.88	139.78 6.27 -35.59	149.84 5.88 -56.15	156.08 6.96 -51.10	279.60 10.47 -123.86	331.80 10.47 -177.88	346.50 10.45 -196.72	231.46 9.71 -86.95	166.42 5.72 -75.35	162.53 5.50 -71.13	162.00 5.25 -74.79	155.32 3.11 -65.64	164.21 3.09 -81.93	156.45 3.95 -60.56	187.04 4.19 -97.42	214.33 4.72 -116.98	210.72 4.67 -116.11	192.80 4.05 -107.62	176.02 3.55 -93.59	159.26 3.10 -80.64	150.24 3.48 -55.15	150.17 2.34 -72.31
INDECK___ILION 23567	118.90 2.56 0.00	109.87 2.37 0.00	104.96 2.26 0.00	99.97 2.06 0.00	89.74 1.93 0.00	100.18 2.16 0.00	148.47 3.20 0.00	146.47 3.01 0.00	142.25 2.93 0.00	137.63 2.83 0.00	87.14 1.79 0.00	87.71 1.80 0.00	83.68 1.72 0.00	88.39 1.82 0.00	80.78 1.58 0.00	93.78 1.84 0.00	87.06 1.62 0.00	94.30 1.67 0.00	91.47 1.53 0.00	82.51 1.38 0.00	80.29 1.42 0.00	76.95 1.43 0.00	93.35 1.74 0.00	76.95 1.43 0.00
INDECK___OLEAN 23982	107.75 -11.87 -3.28	101.06 -10.75 -4.30	96.98 -10.17 -4.45	93.52 -9.70 -5.30	87.48 -8.69 -8.37	95.64 -10.00 -7.62	137.28 -7.99 0.00	130.93 -16.06 -3.53	134.56 -9.89 -5.13	125.79 -14.83 -5.81	85.10 -9.81 -9.56	85.13 -9.80 -9.03	82.03 -9.42 -9.49	85.12 -9.78 -8.33	80.33 -9.27 -10.40	89.14 -10.48 -7.69	88.23 -9.57 -12.36	97.40 -10.09 -14.86	94.70 -9.99 -14.75	85.55 -9.25 -13.67	81.53 -9.23 -11.89	76.62 -9.14 -10.24	88.92 -10.90 -8.22	78.67 -7.62 -10.78
INDECK___OSWEGO 23783	112.67 -5.00 -1.33	104.52 -4.73 -1.75	99.99 -4.52 -1.81	95.76 -4.31 -2.15	87.34 -3.86 -3.40	96.80 -4.31 -3.09	139.31 -5.96 0.00	139.38 -5.74 -1.66	133.60 -5.72 0.00	130.36 -5.66 -1.22	86.18 -3.67 -4.50	86.46 -3.69 -4.24	82.90 -3.52 -4.46	86.77 -3.72 -3.92	80.68 -3.40 -4.89	91.78 -3.77 -3.61	87.83 -3.42 -5.81	96.10 -3.61 -7.08	93.54 -3.42 -7.02	84.56 -3.08 -6.51	81.53 -3.00 -5.66	77.45 -2.95 -4.88	91.37 -3.57 -3.34	76.95 -2.95 -4.37
INDECK___YERKES 23781	105.57 -13.49 -2.72	98.93 -12.15 -3.57	94.99 -11.40 -3.70	91.55 -10.77 -4.40	85.36 -9.39 -6.95	93.27 -11.08 -6.32	128.57 -16.70 0.00	128.11 -18.08 -2.73	126.20 -17.28 -4.16	122.03 -17.39 -4.62	81.46 -11.27 -7.38	81.45 -11.43 -6.97	78.46 -10.82 -7.32	81.31 -11.69 -6.43	76.53 -10.69 -8.02	85.19 -12.69 -5.93	83.53 -11.45 -9.54	91.73 -12.41 -11.50	89.66 -11.69 -11.41	81.32 -10.39 -10.58	78.37 -9.70 -9.20	73.86 -9.59 -7.93	87.71 -10.72 -6.82	76.84 -7.62 -8.95
INDIAN POINT_GT_1 24139	140.51 7.21 -16.95	136.43 6.67 -22.26	132.00 6.26 -23.04	131.43 6.07 -27.45	136.47 5.36 -43.30	143.11 5.69 -39.41	166.18 8.57 -12.33	188.62 8.75 -36.41	182.48 8.78 -34.38	175.17 8.76 -31.61	149.09 5.72 -58.02	146.51 5.84 -54.77	145.12 5.57 -57.59	143.09 5.97 -50.54	147.59 5.31 -63.09	145.01 6.44 -46.63	166.51 6.07 -75.01	189.49 6.67 -90.18	185.93 6.48 -89.52	169.94 5.84 -82.97	156.58 5.60 -72.10	143.09 5.44 -62.13	141.01 6.87 -42.53	136.42 5.14 -55.76
INDIAN POINT_GT_2 23659	140.51 7.21 -16.95	136.43 6.67 -22.26	132.00 6.26 -23.04	131.43 6.07 -27.45	136.47 5.36 -43.30	143.11 5.69 -39.41	166.18 8.57 -12.33	188.62 8.75 -36.41	182.48 8.78 -34.38	175.17 8.76 -31.61	149.09 5.72 -58.02	146.51 5.84 -54.77	145.12 5.57 -57.59	143.09 5.97 -50.54	147.59 5.31 -63.09	145.01 6.44 -46.63	166.51 6.07 -75.01	189.49 6.67 -90.18	185.93 6.48 -89.52	169.94 5.84 -82.97	156.58 5.60 -72.10	143.09 5.44 -62.13	141.01 6.87 -42.53	136.42 5.14 -55.76
INDIAN POINT_GT_3 24019	140.51 7.21 -16.95	136.43 6.67 -22.26	132.00 6.26 -23.04	131.43 6.07 -27.45	136.47 5.36 -43.30	143.11 5.69 -39.41	166.18 8.57 -12.33	188.62 8.75 -36.41	182.48 8.78 -34.38	175.17 8.76 -31.61	149.09 5.72 -58.02	146.51 5.84 -54.77	145.12 5.57 -57.59	143.09 5.97 -50.54	147.59 5.31 -63.09	145.01 6.44 -46.63	166.51 6.07 -75.01	189.49 6.67 -90.18	185.93 6.48 -89.52	169.94 5.84 -82.97	156.58 5.60 -72.10	143.09 5.44 -62.13	141.01 6.87 -42.53	136.42 5.14 -55.76
INDIAN POINT___2 23530	139.91 6.86 -16.71	135.89 6.45 -21.94	131.47 6.06 -22.71	130.74 5.78 -27.05	135.58 5.09 -42.68	142.25 5.39 -38.84	165.58 8.13 -12.17	187.70 8.32 -35.92	181.59 8.36 -33.91	174.34 8.36 -31.18	148.04 5.47 -57.22	145.50 5.58 -54.02	144.08 5.32 -56.80	142.13 5.71 -49.85	146.49 5.07 -62.22	144.09 6.16 -45.99	165.23 5.81 -73.99	187.85 6.39 -88.82	184.40 6.29 -88.17	168.44 5.59 -81.72	155.38 5.44 -71.07	142.04 5.28 -61.23	140.21 6.68 -41.92	135.39 4.91 -54.96
INDIAN POINT___3 23531	140.17 6.86 -16.96	136.23 6.45 -22.28	131.82 6.06 -23.06	131.16 5.78 -27.47	136.24 5.09 -43.34	142.95 5.49 -39.44	165.90 8.28 -12.34	188.22 8.32 -36.44	182.22 8.50 -34.40	174.93 8.49 -31.64	148.88 5.46 -58.07	146.30 5.58 -54.81	145.00 5.41 -57.63	142.87 5.71 -50.58	147.40 5.07 -63.14	144.86 6.25 -46.66	166.32 5.81 -75.08	189.38 6.48 -90.26	185.73 6.21 -89.59	169.76 5.60 -83.04	156.40 5.36 -72.16	142.99 5.29 -62.18	140.86 6.69 -42.57	136.24 4.91 -55.81
INGHAM_C_115KV_TB7 356103	120.88 4.54 0.00	111.59 4.09 0.00	106.50 3.80 0.00	101.54 3.62 0.00	91.14 3.34 0.00	101.65 3.63 0.00	150.65 5.38 0.00	148.48 5.02 0.00	144.20 4.88 0.00	139.52 4.72 0.00	88.34 2.99 0.00	89.00 3.09 0.00	84.91 2.95 0.00	89.60 3.03 0.00	81.89 2.69 0.00	94.79 2.85 0.00	87.91 2.48 0.00	95.14 2.50 0.00	92.18 2.25 0.00	83.16 2.03 0.00	81.00 2.13 0.00	77.86 2.34 0.00	94.54 2.93 0.00	78.01 2.49 0.00
IP CORINTH___1 23988	145.77 7.45 -21.98	143.14 6.77 -28.86	139.25 6.68 -29.88	139.77 6.27 -35.59	149.84 5.88 -56.15	156.08 6.96 -51.10	279.60 10.46 -123.86	331.79 10.47 -177.86	346.49 10.45 -196.72	231.44 9.71 -86.94	166.38 5.72 -75.31	162.49 5.50 -71.09	161.95 5.25 -74.75	155.73 3.55 -65.60	164.57 3.48 -81.89	156.97 4.51 -60.52	187.50 4.70 -97.37	214.86 5.19 -117.04	211.24 5.13 -116.18	193.27 4.46 -107.68	176.57 4.10 -93.59	159.71 3.55 -80.64	150.70 3.94 -55.15	150.62 2.79 -72.31



IP___TICONDEROGA 23804	149.12 10.82 -21.95	146.12 9.78 -28.83	142.20 9.65 -29.85	142.67 9.20 -35.55	152.50 8.60 -56.09	159.35 10.29 -51.04	283.53 15.54 -122.71	335.68 15.78 -176.44	350.15 15.74 -195.08	235.64 14.42 -86.41	168.94 8.36 -75.22	164.90 7.99 -71.01	164.24 7.62 -74.66	158.51 6.41 -65.53	167.33 6.34 -81.79	160.39 8.00 -60.45	190.98 8.29 -97.26	218.71 9.17 -116.90	214.88 8.90 -116.04	196.55 7.87 -107.55	179.45 7.10 -93.48	162.26 6.19 -80.55	153.56 6.87 -55.09	152.80 5.06 -72.22
ISLIP_RES_REC 323679	146.51 13.03 -17.14	142.26 12.25 -22.51	137.70 11.70 -23.30	136.72 11.06 -27.75	141.59 10.01 -43.77	148.05 10.19 -39.84	173.60 15.84 -12.49	195.48 15.20 -36.82	189.40 15.33 -34.75	179.29 12.54 -31.95	151.97 7.94 -58.67	149.36 8.07 -55.39	148.72 8.52 -58.24	146.42 8.74 -51.11	151.15 8.16 -63.80	150.93 10.84 -48.14	188.90 10.51 -92.97	212.51 11.48 -108.39	204.34 11.33 -103.07	186.27 10.22 -94.92	174.38 9.46 -86.05	154.25 9.29 -69.44	149.00 11.73 -45.67	141.02 9.06 -56.44
JAMAICA__27_KV_LOAD 355505	142.55 9.07 -17.13	138.59 8.60 -22.49	133.99 8.01 -23.28	133.28 7.64 -27.73	138.24 6.67 -43.76	144.80 6.96 -39.82	167.61 9.88 -12.46	190.43 10.19 -36.78	184.35 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.37 7.13 -55.34	147.03 6.88 -58.19	144.91 7.27 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.11	168.49 7.26 -75.80	191.91 8.15 -91.12	188.21 7.82 -90.45	172.02 7.06 -83.84	158.43 6.70 -72.86	145.02 6.72 -62.78	143.38 8.79 -42.98	138.51 6.65 -56.35
JANIS___SOLAR 323808	126.57 5.58 -4.64	118.54 4.95 -6.09	113.41 4.41 -6.30	109.63 4.21 -7.51	103.61 3.95 -11.85	113.41 4.61 -10.78	160.29 9.01 -6.00	196.43 30.98 -22.00	192.04 28.70 -24.02	173.64 22.92 -15.93	120.19 12.46 -22.38	119.40 12.37 -21.12	115.15 10.99 -22.21	118.35 12.29 -19.49	115.56 12.03 -24.33	125.92 16.00 -17.98	130.42 16.06 -28.93	121.91 4.91 -24.37	118.89 4.76 -24.19	107.85 4.30 -22.42	102.31 3.94 -19.50	95.87 3.55 -16.80	107.00 3.76 -11.64	94.02 3.25 -15.26
JARVIS____ 23743	117.16 0.82 0.00	108.26 0.76 0.00	103.42 0.72 0.00	98.60 0.69 0.00	88.42 0.62 0.00	98.71 0.69 0.00	146.30 1.02 0.00	144.47 1.01 0.00	140.31 0.98 0.00	135.75 0.95 0.00	85.95 0.60 0.00	86.51 0.61 0.00	82.54 0.58 0.00	87.18 0.61 0.00	79.76 0.56 0.00	92.59 0.65 0.00	86.03 0.60 0.00	93.29 0.65 0.00	90.57 0.63 0.00	81.70 0.57 0.00	79.43 0.56 0.00	75.98 0.46 0.00	92.16 0.55 0.00	75.98 0.46 0.00
JENNISON___1 23625	128.99 6.63 -6.02	121.32 5.91 -7.90	116.22 5.34 -8.18	112.75 5.09 -9.75	108.01 4.83 -15.38	117.50 5.49 -13.99	165.01 10.02 -9.71	179.46 14.78 -21.23	177.55 14.21 -24.02	161.76 11.59 -15.37	112.06 6.40 -20.30	111.51 6.44 -19.16	107.85 5.74 -20.15	110.58 6.32 -17.68	107.29 6.02 -22.07	116.07 7.82 -16.32	119.28 7.60 -26.25	132.64 5.19 -34.81	129.35 4.86 -34.56	117.46 4.30 -32.03	108.25 4.10 -25.28	101.00 3.70 -21.78	110.83 4.12 -15.10	98.95 3.62 -19.80
JENNISON___2 23626	128.99 6.63 -6.02	121.32 5.91 -7.90	116.22 5.34 -8.18	112.75 5.09 -9.75	108.01 4.83 -15.38	117.50 5.49 -13.99	165.01 10.02 -9.71	179.46 14.78 -21.23	177.55 14.21 -24.02	161.76 11.59 -15.37	112.06 6.40 -20.30	111.51 6.44 -19.16	107.85 5.74 -20.15	110.58 6.32 -17.68	107.29 6.02 -22.07	116.07 7.82 -16.32	119.28 7.60 -26.25	132.64 5.19 -34.81	129.35 4.86 -34.56	117.46 4.30 -32.03	108.25 4.10 -25.28	101.00 3.70 -21.78	110.83 4.12 -15.10	98.95 3.62 -19.80
JERICHO_RISE_WT_PWR 323719	116.69 0.35 0.00	107.93 0.43 0.00	103.21 0.52 0.00	98.41 0.49 0.00	88.07 0.26 0.00	98.71 0.69 0.00	145.57 0.29 0.00	143.89 0.43 0.00	139.60 0.28 0.00	134.66 -0.13 0.00	85.44 0.09 0.00	85.99 0.09 0.00	82.04 0.08 0.00	86.66 0.09 0.00	79.28 0.08 0.00	91.76 -0.18 0.00	85.18 -0.26 0.00	92.18 -0.46 0.00	89.31 -0.63 0.00	80.40 -0.73 0.00	78.00 -0.87 0.00	75.07 -0.45 0.00	90.69 -0.92 0.00	75.00 -0.52 0.00
KATONAH___115KV_46KV_TB4 355592	142.40 8.73 -17.33	138.44 8.17 -22.76	133.96 7.70 -23.57	133.42 7.44 -28.07	138.59 6.50 -44.29	145.38 7.06 -40.30	168.76 10.75 -12.73	191.88 11.05 -37.38	185.78 11.15 -35.31	178.23 11.05 -32.37	151.77 7.08 -59.34	149.04 7.13 -56.01	147.66 6.80 -58.89	145.45 7.19 -51.69	150.21 6.49 -64.52	147.44 7.82 -47.68	169.50 7.35 -76.72	193.01 8.15 -92.23	189.40 7.91 -91.55	173.12 7.14 -84.85	159.40 6.78 -73.74	145.63 6.57 -63.54	143.26 8.15 -43.50	138.51 5.97 -57.03
KCE_NY_1 323755	145.48 7.22 -21.92	142.84 6.56 -28.78	138.86 6.37 -29.80	139.48 6.07 -35.49	149.34 5.54 -56.00	155.35 6.37 -50.96	275.95 9.59 -121.09	327.37 9.47 -174.45	341.43 9.34 -192.77	229.24 8.76 -85.69	165.70 5.21 -75.14	161.99 5.15 -70.93	161.46 4.92 -74.58	156.70 4.67 -65.45	165.33 4.43 -81.70	157.85 5.52 -60.39	188.05 5.47 -97.15	215.30 6.02 -116.65	211.66 5.93 -115.79	193.64 5.20 -107.32	177.09 4.89 -93.33	160.39 4.45 -80.42	151.82 5.22 -55.00	151.63 4.00 -72.11
KCE_NY_6_ESR 323823	107.13 -12.10 -2.89	100.45 -10.85 -3.80	96.46 -10.17 -3.93	92.90 -9.70 -4.68	86.76 -8.43 -7.39	94.74 -10.00 -6.72	131.91 -13.36 0.00	130.19 -16.21 -2.94	129.57 -14.21 -4.46	124.26 -15.50 -4.96	83.15 -10.16 -7.96	83.10 -10.31 -7.51	80.10 -9.75 -7.90	83.03 -10.48 -6.93	78.10 -9.74 -8.65	86.93 -11.40 -6.39	85.38 -10.34 -10.28	93.90 -11.12 -12.38	91.71 -10.52 -12.29	83.03 -9.49 -11.39	79.79 -8.99 -9.91	75.07 -8.99 -8.54	88.78 -10.08 -7.26	77.86 -7.18 -9.51
KEDC_PORT_JEFF_GT2 24210	145.70 12.21 -17.14	141.52 11.51 -22.51	137.09 11.09 -23.30	136.14 10.48 -27.75	140.98 9.40 -43.77	147.27 9.41 -39.84	172.29 14.53 -12.49	194.20 13.91 -36.83	188.14 14.07 -34.75	178.20 11.45 -31.95	151.37 7.34 -58.67	148.68 7.39 -55.39	148.14 7.95 -58.24	145.82 8.14 -51.11	150.52 7.53 -63.80	150.10 10.02 -48.13	188.02 9.74 -92.85	211.29 10.37 -108.28	203.18 10.25 -102.99	185.46 9.49 -94.84	173.54 8.75 -85.92	153.51 8.68 -69.31	148.33 11.08 -45.65	140.57 8.61 -56.44
KEDC_PORT_JEFF_GT3 24211	145.70 12.21 -17.14	141.52 11.51 -22.51	137.09 11.09 -23.30	136.14 10.48 -27.75	140.98 9.40 -43.77	147.27 9.41 -39.84	172.29 14.53 -12.49	194.20 13.91 -36.83	188.14 14.07 -34.75	178.20 11.45 -31.95	151.37 7.34 -58.67	148.68 7.39 -55.39	148.14 7.95 -58.24	145.82 8.14 -51.11	150.52 7.53 -63.80	150.10 10.02 -48.13	188.02 9.74 -92.85	211.29 10.37 -108.28	203.18 10.25 -102.99	185.46 9.49 -94.84	173.54 8.75 -85.92	153.51 8.68 -69.31	148.33 11.08 -45.65	140.57 8.61 -56.44
KEDC_GLWD_GT4 24219	142.80 9.31 -17.15	138.83 8.82 -22.51	134.32 8.31 -23.30	133.60 7.93 -27.75	138.61 7.03 -43.78	145.12 7.25 -39.84	168.81 11.04 -12.50	191.33 11.05 -36.82	185.22 11.15 -34.75	177.13 10.38 -31.95	150.77 6.74 -58.68	148.17 6.87 -55.39	147.00 6.80 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	148.88 8.09 -48.84	197.85 7.26 -105.16	221.05 7.68 -120.73	209.59 7.56 -112.10	190.78 6.82 -102.84	183.22 6.94 -97.41	160.70 6.80 -78.38	147.79 8.61 -47.58	138.68 6.65 -56.51
KEDC_GLWD_GT5 24220	142.80 9.31 -17.15	138.83 8.82 -22.51	134.32 8.31 -23.30	133.60 7.93 -27.75	138.61 7.03 -43.78	145.12 7.25 -39.84	168.81 11.04 -12.50	191.33 11.05 -36.82	185.22 11.15 -34.75	177.13 10.38 -31.95	150.77 6.74 -58.68	148.17 6.87 -55.39	147.00 6.80 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	148.88 8.09 -48.84	197.85 7.26 -105.16	221.05 7.68 -120.73	209.59 7.56 -112.10	190.78 6.82 -102.84	183.22 6.94 -97.41	160.70 6.80 -78.38	147.79 8.61 -47.58	138.68 6.65 -56.51



KENSICO____ 23655	141.12 7.68 -17.09	137.15 7.20 -22.45	132.71 6.78 -23.24	132.05 6.46 -27.68	137.18 5.71 -43.67	143.84 6.08 -39.74	166.86 9.15 -12.43	189.49 9.32 -36.71	183.45 9.47 -34.65	175.97 9.30 -31.87	149.92 6.06 -58.51	147.32 6.19 -55.23	146.01 5.98 -58.07	143.86 6.32 -50.97	148.44 5.62 -63.62	145.86 6.90 -47.02	167.49 6.41 -75.65	190.71 7.13 -90.94	187.04 6.84 -90.27	170.96 6.17 -83.67	157.50 5.92 -72.71	143.91 5.74 -62.65	141.83 7.33 -42.89	137.27 5.51 -56.23
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	142.38 9.77 -16.27	138.00 9.14 -21.36	133.54 8.73 -22.12	132.58 8.32 -26.34	136.65 7.29 -41.56	144.27 8.43 -37.82	173.80 12.49 -16.03	195.96 12.48 -40.02	190.92 12.68 -38.92	178.66 11.73 -32.13	148.20 7.17 -55.68	145.59 7.13 -52.56	143.94 6.72 -55.26	142.26 7.19 -48.50	146.39 6.65 -60.54	145.24 8.55 -44.75	165.62 8.20 -71.99	188.54 9.36 -86.55	184.84 8.99 -85.91	169.03 8.28 -79.63	155.95 7.89 -69.20	142.69 7.55 -59.62	141.50 9.07 -40.82	135.68 6.65 -53.52
KIAC_JFK_GT1 23816	141.85 8.38 -17.13	137.84 7.85 -22.49	133.27 7.29 -23.28	132.70 7.05 -27.73	137.71 6.15 -43.76	144.11 6.27 -39.82	166.01 8.28 -12.46	188.85 8.61 -36.78	182.82 8.78 -34.72	175.63 8.90 -31.94	150.04 6.06 -58.63	147.51 6.27 -55.34	146.21 6.07 -58.19	144.05 6.41 -51.07	148.57 5.62 -63.75	145.77 6.71 -47.11	167.55 6.32 -75.80	190.89 7.13 -91.12	187.22 6.84 -90.45	171.13 6.17 -83.84	157.57 5.84 -72.86	144.19 5.89 -62.78	142.46 7.88 -42.98	137.68 5.82 -56.35
KIAC_JFK_GT2 23817	141.85 8.38 -17.13	137.84 7.85 -22.49	133.27 7.29 -23.28	132.70 7.05 -27.73	137.71 6.15 -43.76	144.11 6.27 -39.82	166.01 8.28 -12.46	188.85 8.61 -36.78	182.82 8.78 -34.72	175.63 8.90 -31.94	150.04 6.06 -58.63	147.51 6.27 -55.34	146.21 6.07 -58.19	144.05 6.41 -51.07	148.57 5.62 -63.75	145.77 6.71 -47.11	167.55 6.32 -75.80	190.89 7.13 -91.12	187.22 6.84 -90.45	171.13 6.17 -83.84	157.57 5.84 -72.86	144.19 5.89 -62.78	142.46 7.88 -42.98	137.68 5.82 -56.35
KIAC_JFK____ 323774	141.85 8.38 -17.13	137.84 7.84 -22.49	133.38 7.40 -23.28	132.70 7.05 -27.73	137.71 6.14 -43.76	144.41 6.57 -39.82	166.01 8.28 -12.46	188.86 8.61 -36.80	182.83 8.78 -34.72	175.64 8.89 -31.95	150.25 6.23 -58.67	147.64 6.36 -55.38	146.34 6.15 -58.23	144.25 6.58 -51.10	148.69 5.71 -63.79	145.89 6.80 -47.15	167.77 6.49 -75.85	190.83 7.13 -91.06	187.25 6.93 -90.39	171.16 6.25 -83.78	157.72 5.99 -72.86	144.41 6.11 -62.78	142.46 7.88 -42.98	137.68 5.82 -56.35
KINTIGH____ 23543	107.56 -11.17 -2.39	100.53 -10.11 -3.13	96.49 -9.45 -3.25	92.97 -8.81 -3.87	86.18 -7.73 -6.10	94.45 -9.12 -5.55	129.73 -15.54 0.00	132.12 -14.78 -3.44	127.16 -15.74 -3.58	125.01 -14.56 -4.77	85.28 -9.39 -9.32	84.99 -9.71 -8.79	82.11 -9.10 -9.25	84.82 -9.87 -8.11	80.54 -8.79 -10.13	88.76 -10.67 -7.49	88.08 -9.40 -12.04	96.78 -10.28 -14.43	94.54 -9.71 -14.32	85.96 -8.44 -13.27	82.63 -7.81 -11.56	77.48 -8.01 -9.96	88.98 -8.61 -5.99	77.18 -6.19 -7.85
KNTFSRNC_46_KV_46KV_LOAD 80397	118.32 1.98 0.00	109.44 1.94 0.00	104.65 1.95 0.00	99.77 1.86 0.00	89.30 1.49 0.00	100.27 2.25 0.00	148.18 2.91 0.00	146.18 2.73 0.00	141.97 2.65 0.00	136.82 2.02 0.00	86.80 1.45 0.00	87.28 1.37 0.00	83.19 1.23 0.00	87.96 1.39 0.00	80.39 1.19 0.00	93.14 1.20 0.00	86.54 1.11 0.00	93.75 1.11 0.00	90.75 0.81 0.00	81.70 0.57 0.00	79.19 0.32 0.00	76.43 0.91 0.00	91.97 0.37 0.00	76.12 0.60 0.00
LACHUTE____HYDRO 323717	149.12 10.82 -21.95	146.11 9.78 -28.83	142.19 9.65 -29.85	142.66 9.20 -35.55	152.50 8.61 -56.09	159.35 10.29 -51.04	283.54 15.55 -122.71	335.69 15.78 -176.45	350.14 15.74 -195.08	235.66 14.43 -86.43	168.99 8.37 -75.26	164.94 7.99 -71.05	164.29 7.62 -74.70	158.54 6.41 -65.56	167.37 6.34 -81.84	160.34 7.91 -60.48	191.03 8.28 -97.31	218.65 9.17 -116.84	214.91 8.99 -115.98	196.41 7.79 -107.49	179.21 6.86 -93.48	162.18 6.11 -80.55	153.57 6.87 -55.09	152.80 5.06 -72.22
LAWRNCV_115KV_TB1 80681	115.53 -0.81 0.00	106.86 -0.65 0.00	102.08 -0.62 0.00	97.33 -0.59 0.00	87.19 -0.61 0.00	97.43 -0.59 0.00	143.53 -1.74 0.00	141.88 -1.58 0.00	137.51 -2.16 0.00	132.64 -1.37 0.00	83.99 -1.37 0.00	84.53 -1.37 0.00	80.65 -1.31 0.00	85.10 -1.47 0.00	77.85 -1.35 0.00	90.20 -1.75 0.00	83.72 -1.71 0.00	90.78 -1.85 0.00	87.96 -1.98 0.00	79.26 -1.87 0.00	76.90 -1.97 0.00	74.16 -1.36 0.00	89.68 -1.92 0.00	74.46 -1.06 0.00
LEDERLE____ 23769	139.70 6.86 -16.49	135.50 6.34 -21.65	131.07 5.96 -22.42	130.39 5.78 -26.70	135.02 5.09 -42.13	141.84 5.49 -38.34	165.58 8.28 -12.02	187.37 8.46 -35.45	181.45 8.64 -33.49	174.06 8.49 -30.77	147.25 5.46 -56.44	144.76 5.58 -53.27	143.38 5.41 -56.01	141.45 5.71 -49.16	145.63 5.07 -61.36	143.55 6.25 -45.35	164.29 5.89 -72.97	186.84 6.48 -87.72	183.31 6.30 -87.08	167.52 5.68 -80.71	154.45 5.44 -70.14	141.24 5.29 -60.43	139.67 6.69 -41.38	134.67 4.91 -54.24
LIGHTHSE_115KV_TB6 355974	114.77 -2.79 -1.22	106.42 -2.69 -1.61	101.69 -2.67 -1.66	97.25 -2.64 -1.98	88.73 -2.20 -3.12	98.51 -2.35 -2.84	142.66 -2.61 0.00	142.57 -2.44 -1.55	136.95 -2.37 0.00	133.24 -2.70 -1.13	87.49 -2.05 -4.19	87.80 -2.06 -3.95	83.99 -2.13 -4.16	87.88 -2.34 -3.65	81.69 -2.06 -4.55	93.19 -2.11 -3.37	89.14 -1.71 -5.42	97.48 -1.57 -6.42	94.78 -1.53 -6.37	85.65 -1.38 -5.90	82.66 -1.42 -5.21	78.80 -1.21 -4.49	93.02 -1.65 -3.07	78.18 -1.36 -4.02
LINDEN COGEN____ 23786	105.63 7.68 18.39	105.75 7.09 8.85	105.92 6.78 3.55	105.98 6.46 -1.61	106.12 5.62 -12.69	106.31 5.98 -2.31	135.89 8.72 18.10	159.62 8.90 -7.26	134.48 9.05 13.89	130.28 9.17 13.69	105.33 6.32 -13.66	105.32 6.45 -12.97	105.37 6.23 -17.18	105.31 6.58 -12.16	105.41 5.86 -20.35	111.57 6.90 -12.73	116.10 6.41 -24.25	129.74 7.04 -30.07	120.49 6.93 -23.63	120.51 6.16 -33.21	111.53 5.99 -26.67	110.66 5.89 -29.25	107.15 7.70 -7.85	105.38 5.67 -24.20
LINDHRST_69_KV_BK1 356055	145.12 11.63 -17.14	140.97 10.97 -22.51	136.37 10.37 -23.30	135.55 9.89 -27.75	140.45 8.87 -43.77	147.46 9.61 -39.84	171.41 13.66 -12.48	193.60 13.34 -36.80	187.30 13.24 -34.74	178.60 11.86 -31.94	151.50 7.51 -58.64	149.24 7.99 -55.35	148.19 8.03 -58.20	146.13 8.48 -51.08	150.56 7.60 -63.76	150.00 9.84 -48.22	189.60 9.40 -94.77	213.16 10.19 -110.33	204.43 9.98 -104.51	186.31 9.01 -96.18	175.17 8.28 -88.02	154.98 8.16 -71.31	148.19 10.63 -45.96	140.21 8.23 -56.45
LIPA_MISC_IPP 23656	145.93 12.45 -17.14	141.72 11.72 -22.51	137.08 11.09 -23.30	136.33 10.67 -27.75	141.15 9.57 -43.77	148.34 10.49 -39.84	172.86 15.11 -12.48	194.90 14.63 -36.81	188.56 14.49 -34.75	178.60 11.86 -31.94	151.41 7.43 -58.64	149.07 7.82 -55.35	148.52 8.36 -58.20	145.96 8.31 -51.08	150.95 8.00 -63.76	150.43 10.39 -48.10	188.16 10.00 -92.73	211.74 10.84 -108.27	203.55 10.61 -103.00	185.55 9.57 -94.85	173.39 8.68 -85.84	153.59 8.84 -69.24	148.51 11.27 -45.64	140.65 8.68 -56.44
LISF__SOLAR 323691	146.28 12.80 -17.14	141.94 11.93 -22.51	137.49 11.50 -23.30	136.53 10.87 -27.75	141.32 9.75 -43.77	147.86 10.00 -39.84	173.31 15.55 -12.49	194.76 14.48 -36.82	188.98 14.91 -34.75	178.47 11.72 -31.95	151.37 7.34 -58.67	148.68 7.39 -55.39	148.31 8.12 -58.24	145.82 8.14 -51.11	150.84 7.84 -63.80	150.28 10.20 -48.13	188.31 10.08 -92.81	211.98 11.11 -108.23	203.86 10.97 -102.95	185.75 9.81 -94.81	173.81 9.07 -85.87	153.91 9.13 -69.26	148.79 11.54 -45.64	140.87 8.91 -56.44



LITTLE FALLS___HYD 24013	120.88 4.54 0.00	111.59 4.09 0.00	106.50 3.80 0.00	101.54 3.62 0.00	91.14 3.34 0.00	101.65 3.63 0.00	150.65 5.38 0.00	148.48 5.02 0.00	144.20 4.88 0.00	139.52 4.72 0.00	88.34 2.99 0.00	89.00 3.09 0.00	84.91 2.95 0.00	89.60 3.03 0.00	81.89 2.69 0.00	94.79 2.85 0.00	87.91 2.48 0.00	95.14 2.50 0.00	92.18 2.25 0.00	83.16 2.03 0.00	81.00 2.13 0.00	77.86 2.34 0.00	94.54 2.93 0.00	78.01 2.49 0.00
LITTLRIV_115KV_TB1 356100	117.16 0.81 0.00	108.25 0.75 0.00	103.52 0.82 0.00	98.60 0.69 0.00	88.42 0.61 0.00	98.90 0.88 0.00	145.86 0.58 0.00	144.17 0.72 0.00	139.88 0.56 0.00	134.66 -0.13 0.00	85.27 -0.09 0.00	85.73 -0.17 0.00	81.80 -0.16 0.00	86.31 -0.26 0.00	78.96 -0.24 0.00	91.58 -0.37 0.00	85.09 -0.34 0.00	92.27 -0.37 0.00	89.31 -0.63 0.00	80.56 -0.57 0.00	78.08 -0.79 0.00	75.22 -0.30 0.00	90.87 -0.73 0.00	75.44 -0.08 0.00
LI_NEWBRDGE___DRP 323616	142.44 8.96 -17.14	138.61 8.60 -22.50	134.21 8.22 -23.30	133.49 7.83 -27.75	138.43 6.85 -43.77	145.11 7.25 -39.84	167.91 10.17 -12.47	190.30 10.04 -36.80	184.09 10.03 -34.74	176.04 9.30 -31.94	149.96 5.97 -58.64	147.61 6.36 -55.35	146.55 6.39 -58.20	144.49 6.84 -51.08	148.89 5.94 -63.76	147.60 7.63 -48.03	184.15 7.18 -91.55	207.39 7.69 -107.07	199.61 7.55 -102.12	182.10 6.90 -94.08	169.70 6.31 -84.52	149.76 6.34 -67.90	145.39 8.34 -45.45	138.45 6.49 -56.44
LOCKPORT_115KV_TB60_63_64 80432	104.40 -14.54 -2.60	97.80 -13.12 -3.42	94.01 -12.22 -3.54	90.57 -11.55 -4.21	84.36 -10.10 -6.65	92.21 -11.86 -6.05	126.97 -18.30 0.00	126.94 -19.22 -2.71	124.47 -18.81 -3.96	120.67 -18.60 -4.47	80.72 -11.95 -7.32	80.61 -12.20 -6.91	77.67 -11.56 -7.26	80.57 -12.38 -6.38	75.91 -11.25 -7.96	84.40 -13.42 -5.88	82.85 -12.05 -9.46	90.95 -13.06 -11.37	88.90 -12.32 -11.29	80.64 -10.95 -10.46	77.73 -10.25 -9.11	73.03 -10.35 -7.85	86.59 -11.54 -6.53	76.00 -8.08 -8.56
LOCKPORT___CC1 323769	103.96 -15.01 -2.62	97.51 -13.44 -3.44	93.63 -12.64 -3.57	90.31 -11.85 -4.25	84.14 -10.36 -6.70	91.96 -12.16 -6.10	126.53 -18.74 0.00	126.51 -19.65 -2.70	123.95 -19.36 -3.99	120.29 -19.00 -4.49	80.36 -12.29 -7.30	80.34 -12.46 -6.89	77.40 -11.80 -7.24	80.21 -12.72 -6.36	75.57 -11.57 -7.93	84.11 -13.70 -5.87	82.48 -12.39 -9.43	90.58 -13.43 -11.37	88.55 -12.68 -11.29	80.32 -11.27 -10.46	77.72 -10.25 -9.10	73.16 -10.20 -7.84	86.82 -11.36 -6.58	75.92 -8.23 -8.63
LOCKPORT___CC2 323770	103.96 -15.01 -2.62	97.51 -13.44 -3.44	93.63 -12.64 -3.57	90.31 -11.85 -4.25	84.14 -10.36 -6.70	91.96 -12.16 -6.10	126.53 -18.74 0.00	126.51 -19.65 -2.70	123.95 -19.36 -3.99	120.29 -19.00 -4.49	80.36 -12.29 -7.30	80.34 -12.46 -6.89	77.40 -11.80 -7.24	80.21 -12.72 -6.36	75.57 -11.57 -7.93	84.11 -13.70 -5.87	82.48 -12.39 -9.43	90.58 -13.43 -11.37	88.55 -12.68 -11.29	80.32 -11.27 -10.46	77.72 -10.25 -9.10	73.16 -10.20 -7.84	86.82 -11.36 -6.58	75.92 -8.23 -8.63
LOCKPORT___CC3 323771	103.96 -15.01 -2.62	97.51 -13.44 -3.44	93.63 -12.64 -3.57	90.31 -11.85 -4.25	84.14 -10.36 -6.70	91.96 -12.16 -6.10	126.53 -18.74 0.00	126.51 -19.65 -2.70	123.95 -19.36 -3.99	120.29 -19.00 -4.49	80.36 -12.29 -7.30	80.34 -12.46 -6.89	77.40 -11.80 -7.24	80.21 -12.72 -6.36	75.57 -11.57 -7.93	84.11 -13.70 -5.87	82.48 -12.39 -9.43	90.58 -13.43 -11.37	88.55 -12.68 -11.29	80.32 -11.27 -10.46	77.72 -10.25 -9.10	73.16 -10.20 -7.84	86.82 -11.36 -6.58	75.92 -8.23 -8.63
LONG_LAKE_PHOENIX 24014	114.34 -3.37 -1.37	106.19 -3.12 -1.80	101.48 -3.08 -1.87	97.20 -2.94 -2.22	88.68 -2.63 -3.51	98.27 -2.94 -3.19	141.50 -3.78 0.00	141.61 -3.59 -1.74	135.56 -3.76 0.00	132.43 -3.64 -1.27	87.67 -2.39 -4.70	87.94 -2.41 -4.44	84.33 -2.29 -4.67	88.25 -2.42 -4.10	82.17 -2.14 -5.11	93.33 -2.39 -3.78	89.46 -2.05 -6.08	97.71 -2.13 -7.21	95.11 -1.98 -7.15	85.98 -1.78 -6.63	82.98 -1.74 -5.84	78.82 -1.74 -5.04	92.85 -2.20 -3.44	78.22 -1.81 -4.52
LOVETT___3 23632	139.06 6.17 -16.54	135.04 5.81 -21.73	130.63 5.44 -22.49	129.89 5.19 -26.79	134.64 4.57 -42.27	141.29 4.80 -38.47	164.60 7.26 -12.06	186.49 7.46 -35.57	180.58 7.66 -33.59	173.22 7.55 -30.87	146.93 4.95 -56.63	144.43 5.07 -53.46	143.00 4.84 -56.21	141.10 5.19 -49.33	145.37 4.59 -61.57	143.06 5.61 -45.51	163.95 5.30 -73.22	186.50 5.84 -88.02	182.98 5.67 -87.38	167.22 5.11 -80.98	154.14 4.89 -70.38	140.99 4.83 -60.64	139.26 6.14 -41.52	134.41 4.46 -54.43
LOVETT___4 23642	139.06 6.17 -16.54	135.04 5.81 -21.73	130.63 5.44 -22.49	129.89 5.19 -26.79	134.64 4.57 -42.27	141.29 4.80 -38.47	164.60 7.26 -12.06	186.49 7.46 -35.57	180.58 7.66 -33.59	173.22 7.55 -30.87	146.93 4.95 -56.63	144.43 5.07 -53.46	143.00 4.84 -56.21	141.10 5.19 -49.33	145.37 4.59 -61.57	143.06 5.61 -45.51	163.95 5.30 -73.22	186.50 5.84 -88.02	182.98 5.67 -87.38	167.22 5.11 -80.98	154.14 4.89 -70.38	140.99 4.83 -60.64	139.26 6.14 -41.52	134.41 4.46 -54.43
LOVETT___5 23593	139.06 6.17 -16.54	135.04 5.81 -21.73	130.63 5.44 -22.49	129.89 5.19 -26.79	134.64 4.57 -42.27	141.29 4.80 -38.47	164.60 7.26 -12.06	186.49 7.46 -35.57	180.58 7.66 -33.59	173.22 7.55 -30.87	146.93 4.95 -56.63	144.43 5.07 -53.46	143.00 4.84 -56.21	141.10 5.19 -49.33	145.37 4.59 -61.57	143.06 5.61 -45.51	163.95 5.30 -73.22	186.50 5.84 -88.02	182.98 5.67 -87.38	167.22 5.11 -80.98	154.14 4.89 -70.38	140.99 4.83 -60.64	139.26 6.14 -41.52	134.41 4.46 -54.43
LOWER RAQUET___HYD 24057	115.29 -1.05 0.00	106.64 -0.86 0.00	101.87 -0.83 0.00	97.13 -0.79 0.00	87.01 -0.79 0.00	97.23 -0.79 0.00	143.10 -2.18 0.00	141.45 -2.01 0.00	137.09 -2.23 0.00	132.10 -2.69 0.00	83.73 -1.62 0.00	84.19 -1.72 0.00	80.32 -1.64 0.00	84.75 -1.82 0.00	77.53 -1.67 0.00	89.83 -2.11 0.00	83.38 -2.05 0.00	90.51 -2.13 0.00	87.60 -2.34 0.00	79.02 -2.11 0.00	76.58 -2.29 0.00	73.79 -1.73 0.00	89.41 -2.20 0.00	74.24 -1.28 0.00
LOWER___HUDSON 24059	143.93 6.05 -21.54	141.38 5.59 -28.29	137.32 5.34 -29.28	137.88 5.09 -34.88	147.49 4.65 -55.03	153.39 5.29 -50.08	254.81 7.98 -101.55	301.50 7.74 -150.30	311.89 7.66 -164.91	219.17 7.54 -76.83	163.80 4.61 -73.84	160.24 4.64 -69.70	159.67 4.42 -73.29	155.40 4.50 -64.32	163.68 4.19 -80.29	156.25 4.96 -59.34	185.60 4.70 -95.47	212.55 5.28 -114.64	208.85 5.12 -113.79	191.14 4.54 -105.47	174.93 4.33 -91.72	158.55 4.00 -79.03	150.42 4.76 -54.05	150.16 3.77 -70.86
LOWVILLE_115KV_TB2 356335	119.03 2.09 -0.59	110.00 1.72 -0.78	105.04 1.54 -0.81	100.25 1.37 -0.96	90.82 1.49 -1.52	101.36 1.96 -1.38	149.05 3.78 0.00	148.08 3.87 -0.75	143.50 4.18 0.00	138.58 3.24 -0.55	88.92 1.54 -2.04	89.29 1.46 -1.92	84.96 0.98 -2.02	88.61 0.26 -1.77	81.41 0.00 -2.21	93.76 0.18 -1.64	88.41 0.34 -2.63	96.48 0.74 -3.10	93.56 0.54 -3.08	84.47 0.49 -2.86	81.72 0.32 -2.53	78.00 0.30 -2.18	93.00 -0.09 -1.49	77.48 0.00 -1.96
LUTHERFT_115KV_GLOB_FND_222 355753	145.36 7.10 -21.92	142.74 6.45 -28.78	138.76 6.26 -29.80	139.38 5.97 -35.49	149.25 5.44 -56.00	155.25 6.27 -50.96	275.81 9.44 -121.09	327.21 9.32 -174.43	341.29 9.20 -192.77	229.10 8.63 -85.68	165.66 5.21 -75.10	161.86 5.07 -70.89	161.33 4.84 -74.54	156.58 4.59 -65.42	165.29 4.44 -81.66	157.72 5.42 -60.35	187.91 5.38 -97.10	215.27 5.93 -116.71	211.54 5.76 -115.85	193.70 5.19 -107.38	177.09 4.89 -93.33	160.39 4.46 -80.42	151.83 5.22 -55.00	151.55 3.93 -72.11



LUTHERNY_35_KV_BK2 355980	145.47 7.21 -21.92	142.84 6.56 -28.78	138.86 6.37 -29.80	139.48 6.07 -35.49	149.33 5.53 -56.00	155.35 6.37 -50.96	275.96 9.59 -121.09	327.36 9.47 -174.43	341.43 9.33 -192.77	229.24 8.76 -85.68	165.66 5.21 -75.10	161.95 5.15 -70.89	161.42 4.92 -74.54	156.67 4.67 -65.42	165.29 4.44 -81.66	157.81 5.52 -60.35	188.00 5.47 -97.10	215.37 6.02 -116.71	211.63 5.85 -115.85	193.78 5.27 -107.38	177.17 4.97 -93.33	160.39 4.46 -80.42	151.83 5.22 -55.00	151.63 4.00 -72.11
LWR___OSWEGATCHIE_HYD 23850	116.20 -0.58 -0.44	107.54 -0.54 -0.58	102.68 -0.62 -0.60	97.94 -0.69 -0.72	88.49 -0.44 -1.13	98.75 -0.29 -1.03	144.69 -0.58 0.00	143.73 -0.29 -0.56	138.21 -1.11 0.00	133.46 -1.75 -0.41	85.59 -1.28 -1.51	85.96 -1.37 -1.43	82.40 -1.07 -1.50	86.33 -1.56 -1.32	79.34 -1.50 -1.65	91.50 -1.65 -1.22	85.68 -1.71 -1.96	93.37 -1.57 -2.31	90.52 -1.71 -2.29	81.63 -1.62 -2.13	79.02 -1.74 -1.88	75.93 -1.21 -1.62	90.88 -1.83 -1.11	75.76 -1.21 -1.45
LYONS_FALL_HYD 23570	119.46 2.56 -0.56	110.49 2.26 -0.73	105.51 2.05 -0.76	100.67 1.86 -0.90	91.16 1.93 -1.42	101.66 2.35 -1.29	149.49 4.22 0.00	148.45 4.30 -0.69	143.78 4.46 0.00	139.07 3.77 -0.51	89.19 1.96 -1.87	89.56 1.89 -1.77	85.37 1.55 -1.86	89.32 1.12 -1.63	82.10 0.87 -2.03	94.73 1.29 -1.50	89.13 1.28 -2.42	97.27 1.67 -2.96	94.41 1.53 -2.94	85.15 1.29 -2.73	82.43 1.18 -2.37	78.62 1.06 -2.04	93.92 0.92 -1.40	78.18 0.83 -1.83
MADISON___COUNTY_LFGE 323628	120.70 3.37 -0.99	111.81 3.01 -1.29	106.81 2.77 -1.34	102.15 2.64 -1.60	92.78 2.46 -2.52	103.25 2.94 -2.29	150.65 5.38 0.00	149.73 5.02 -1.25	144.34 5.02 0.00	139.89 4.18 -0.91	91.12 2.39 -3.38	91.50 2.41 -3.19	87.44 2.13 -3.35	91.76 2.25 -2.94	85.01 2.14 -3.67	97.41 2.76 -2.71	92.44 2.65 -4.36	100.82 3.06 -5.12	97.90 2.88 -5.09	88.44 2.60 -4.71	85.51 2.44 -4.19	81.32 2.19 -3.61	96.46 2.38 -2.47	80.88 2.11 -3.24
MALONE___115KV_TB1 356076	118.09 1.75 0.00	109.22 1.72 0.00	104.44 1.75 0.00	99.58 1.66 0.00	89.12 1.32 0.00	99.98 1.96 0.00	147.60 2.32 0.00	145.75 2.30 0.00	141.69 2.37 0.00	136.42 1.62 0.00	86.55 1.19 0.00	87.02 1.12 0.00	83.03 1.07 0.00	87.70 1.13 0.00	80.23 1.03 0.00	92.86 0.92 0.00	86.29 0.85 0.00	93.47 0.83 0.00	90.48 0.54 0.00	81.53 0.41 0.00	79.03 0.16 0.00	76.35 0.83 0.00	91.79 0.18 0.00	76.05 0.53 0.00
MAPLEWOD_115KV_TB3 80458	143.59 5.82 -21.43	141.02 5.38 -28.14	136.96 5.13 -29.13	137.51 4.90 -34.70	147.03 4.48 -54.74	152.84 5.00 -49.82	234.62 7.41 -81.94	277.02 7.17 -126.39	283.43 7.11 -137.00	210.16 7.14 -68.21	163.21 4.44 -73.42	159.68 4.47 -69.31	159.09 4.26 -72.87	155.12 4.59 -63.96	163.23 4.20 -79.83	155.27 4.32 -59.00	184.37 4.02 -94.93	211.09 4.35 -114.10	207.42 4.23 -113.26	189.83 3.73 -104.97	173.74 3.63 -91.24	157.61 3.47 -78.62	149.59 4.21 -53.77	149.79 3.78 -70.49
MAPLE_RIDGE_WT_1 323574	116.23 -0.12 0.00	107.39 -0.11 0.00	102.49 -0.20 0.00	97.52 -0.39 0.00	87.37 -0.44 0.00	97.44 -0.58 0.00	143.96 -1.31 0.00	142.16 -1.29 0.00	138.07 -1.26 0.00	133.58 -1.22 0.00	84.67 -0.69 0.00	85.39 -0.51 0.00	81.47 -0.49 0.00	86.06 -0.52 0.00	78.56 -0.64 0.00	90.93 -1.01 0.00	84.32 -1.11 0.00	91.25 -1.39 0.00	88.41 -1.53 0.00	79.67 -1.46 0.00	77.37 -1.50 0.00	74.16 -1.36 0.00	89.86 -1.74 0.00	74.16 -1.36 0.00
MAPLE_RIDGE_WT_2 323611	116.23 -0.12 0.00	107.39 -0.11 0.00	102.49 -0.20 0.00	97.52 -0.39 0.00	87.37 -0.44 0.00	97.44 -0.58 0.00	143.96 -1.31 0.00	142.16 -1.29 0.00	138.07 -1.26 0.00	133.58 -1.22 0.00	84.67 -0.69 0.00	85.39 -0.51 0.00	81.47 -0.49 0.00	86.06 -0.52 0.00	78.56 -0.64 0.00	90.93 -1.01 0.00	84.32 -1.11 0.00	91.25 -1.39 0.00	88.41 -1.53 0.00	79.67 -1.46 0.00	77.37 -1.50 0.00	74.16 -1.36 0.00	89.86 -1.74 0.00	74.16 -1.36 0.00
MARBLE_RIVER_WT_PWR 323696	116.69 0.35 0.00	108.04 0.54 0.00	103.32 0.62 0.00	98.41 0.49 0.00	88.16 0.35 0.00	98.71 0.69 0.00	145.71 0.44 0.00	144.03 0.58 0.00	139.74 0.42 0.00	134.80 0.00 0.00	85.52 0.17 0.00	86.08 0.17 0.00	82.12 0.16 0.00	86.75 0.17 0.00	79.36 0.16 0.00	91.85 -0.09 0.00	85.26 -0.17 0.00	92.27 -0.37 0.00	89.40 -0.54 0.00	80.48 -0.65 0.00	78.08 -0.79 0.00	75.14 -0.38 0.00	90.78 -0.83 0.00	75.07 -0.45 0.00
MARSHVLE_115KV_TB1 80742	148.60 7.68 -24.58	146.77 6.99 -32.28	142.79 6.68 -33.42	144.08 6.36 -39.80	156.58 5.97 -62.80	162.42 7.25 -57.15	269.19 11.33 -112.58	322.34 11.33 -167.55	328.82 10.59 -178.91	226.05 7.95 -83.30	173.60 4.10 -84.15	168.78 3.44 -79.44	168.68 3.20 -83.53	163.77 3.90 -73.31	174.82 4.12 -91.50	165.73 6.16 -67.63	201.16 6.92 -108.80	231.34 7.78 -130.92	227.62 7.73 -129.95	208.47 6.90 -120.45	189.85 6.39 -104.59	171.75 6.12 -90.11	160.16 6.87 -61.68	161.45 5.06 -80.87
MARSH_HILL_WT_PWR 323713	114.48 -5.47 -3.60	107.29 -4.94 -4.73	102.97 -4.62 -4.89	99.34 -4.40 -5.83	93.23 -3.77 -9.19	101.88 -4.51 -8.37	144.00 -4.35 -3.08	144.51 -6.88 -7.93	141.44 -5.85 -7.96	133.36 -8.08 -6.65	91.56 -5.12 -11.33	91.35 -5.24 -10.69	88.12 -5.08 -11.24	91.07 -5.37 -9.87	86.52 -4.99 -12.31	95.26 -5.79 -9.10	95.21 -4.87 -14.64	104.93 -5.28 -17.57	102.43 -4.95 -17.44	92.83 -4.46 -16.17	88.35 -4.58 -14.06	82.88 -4.76 -12.11	94.87 -5.77 -9.03	83.59 -3.77 -11.84
MCINTYRE_115KV_TB2 80467	118.32 1.98 0.00	109.33 1.83 0.00	104.55 1.85 0.00	99.58 1.66 0.00	89.30 1.49 0.00	99.98 1.96 0.00	147.45 2.18 0.00	145.75 2.30 0.00	141.41 2.09 0.00	136.15 1.35 0.00	86.12 0.77 0.00	86.50 0.60 0.00	82.53 0.57 0.00	87.18 0.61 0.00	79.83 0.63 0.00	92.59 0.64 0.00	86.03 0.60 0.00	93.38 0.74 0.00	90.39 0.45 0.00	81.53 0.41 0.00	79.03 0.16 0.00	76.12 0.60 0.00	91.88 0.27 0.00	76.28 0.76 0.00
MECO____69_KV_BK1 80468	150.24 10.24 -23.66	147.82 9.25 -31.07	143.90 9.04 -32.17	144.65 8.42 -38.31	156.16 7.90 -60.45	162.54 9.51 -55.01	280.61 14.53 -120.81	334.13 14.35 -176.32	344.14 13.51 -191.30	232.59 11.32 -86.47	172.60 6.23 -81.01	168.05 5.67 -76.47	167.86 5.49 -80.41	163.20 6.06 -70.57	173.38 6.10 -88.09	165.32 8.27 -65.11	199.06 8.88 -104.74	228.63 10.00 -125.99	224.89 9.89 -125.06	205.88 8.84 -115.91	187.83 8.28 -100.68	169.90 7.63 -86.75	159.68 8.70 -59.37	160.01 6.65 -77.84
MENANDS___115KV_TB5 355628	143.31 5.58 -21.39	140.75 5.16 -28.08	136.70 4.93 -29.07	137.24 4.70 -34.63	146.75 4.30 -54.64	152.45 4.70 -49.72	230.83 6.97 -78.58	272.47 6.74 -122.27	278.24 6.69 -132.23	208.26 6.74 -66.72	162.90 4.27 -73.28	159.37 4.30 -69.17	158.79 4.10 -72.73	154.82 4.42 -63.83	162.91 4.04 -79.68	154.79 3.95 -58.89	183.76 3.59 -94.74	210.40 3.89 -113.87	206.66 3.69 -113.03	189.22 3.33 -104.77	173.17 3.23 -91.07	157.08 3.10 -78.47	149.12 3.85 -53.66	149.50 3.62 -70.36
MG INDUSTRY___DRP 24185	142.17 4.89 -20.94	139.52 4.52 -27.51	135.48 4.31 -28.47	135.94 4.11 -33.91	145.00 3.69 -53.51	150.83 4.12 -48.70	200.17 5.96 -48.94	234.87 5.59 -85.82	234.71 5.43 -89.95	193.45 5.26 -53.40	160.45 3.33 -71.77	156.91 3.26 -67.74	156.30 3.11 -71.23	152.46 3.38 -62.51	160.40 3.17 -78.03	152.84 3.22 -57.67	181.21 2.99 -92.79	207.31 3.15 -111.52	203.78 3.15 -110.70	186.57 2.84 -102.60	170.82 2.76 -89.19	155.01 2.64 -76.85	147.46 3.30 -52.56	147.52 3.10 -68.90



MID___OSWEGATCHIE_HYD 23849	116.20 -0.58 -0.44	107.54 -0.54 -0.58	102.68 -0.62 -0.60	97.94 -0.69 -0.72	88.49 -0.44 -1.13	98.75 -0.29 -1.03	144.69 -0.58 0.00	143.73 -0.29 -0.56	138.21 -1.11 0.00	133.46 -1.75 -0.41	85.59 -1.28 -1.51	85.96 -1.37 -1.43	82.40 -1.07 -1.50	86.33 -1.56 -1.32	79.34 -1.50 -1.65	91.50 -1.65 -1.22	85.68 -1.71 -1.96	93.37 -1.57 -2.31	90.52 -1.71 -2.29	81.63 -1.62 -2.13	79.02 -1.74 -1.88	75.93 -1.21 -1.62	90.88 -1.83 -1.11	75.76 -1.21 -1.45
MID___RAQUETTE_HYD 23851	115.30 -1.05 0.00	106.64 -0.86 0.00	101.87 -0.82 0.00	97.13 -0.78 0.00	87.02 -0.79 0.00	97.24 -0.78 0.00	143.10 -2.18 0.00	141.45 -2.01 0.00	137.09 -2.23 0.00	132.10 -2.70 0.00	83.73 -1.62 0.00	84.19 -1.72 0.00	80.32 -1.64 0.00	84.76 -1.82 0.00	77.53 -1.66 0.00	89.83 -2.11 0.00	83.38 -2.05 0.00	90.41 -2.22 0.00	87.60 -2.34 0.00	79.02 -2.11 0.00	76.58 -2.29 0.00	73.86 -1.66 0.00	89.41 -2.20 0.00	74.24 -1.28 0.00
MILLIKEN___1 23584	120.70 0.93 -3.43	112.75 0.75 -4.50	107.87 0.51 -4.66	104.05 0.59 -5.55	97.09 0.53 -8.75	106.67 0.69 -7.97	150.91 2.32 -3.31	148.62 0.86 -4.30	145.07 0.98 -4.77	141.35 0.40 -6.15	97.08 0.09 -11.64	96.89 0.00 -10.99	93.43 -0.08 -11.56	96.71 0.00 -10.14	91.94 0.08 -12.66	101.67 0.37 -9.36	101.08 0.60 -15.05	110.54 1.39 -16.51	107.77 1.44 -16.39	97.62 1.30 -15.19	94.50 1.18 -14.45	88.88 0.91 -12.45	101.12 0.92 -8.60	87.62 0.83 -11.27
MILLIKEN___2 23585	120.70 0.93 -3.43	112.75 0.75 -4.50	107.87 0.51 -4.66	104.05 0.59 -5.55	97.09 0.53 -8.75	106.67 0.69 -7.97	150.91 2.32 -3.31	148.62 0.86 -4.30	145.07 0.98 -4.77	141.35 0.40 -6.15	97.08 0.09 -11.64	96.89 0.00 -10.99	93.43 -0.08 -11.56	96.71 0.00 -10.14	91.94 0.08 -12.66	101.67 0.37 -9.36	101.08 0.60 -15.05	110.54 1.39 -16.51	107.77 1.44 -16.39	97.62 1.30 -15.19	94.50 1.18 -14.45	88.88 0.91 -12.45	101.12 0.92 -8.60	87.62 0.83 -11.27
MILLIKEN___DIESEL 23629	120.70 0.93 -3.43	112.75 0.75 -4.50	107.87 0.51 -4.66	104.05 0.59 -5.55	97.09 0.53 -8.75	106.67 0.69 -7.97	150.91 2.32 -3.31	148.62 0.86 -4.30	145.07 0.98 -4.77	141.35 0.40 -6.15	97.08 0.09 -11.64	96.89 0.00 -10.99	93.43 -0.08 -11.56	96.71 0.00 -10.14	91.94 0.08 -12.66	101.67 0.37 -9.36	101.08 0.60 -15.05	110.54 1.39 -16.51	107.77 1.44 -16.39	97.62 1.30 -15.19	94.50 1.18 -14.45	88.88 0.91 -12.45	101.12 0.92 -8.60	87.62 0.83 -11.27
MILLSEAT___LFGE 323607	107.35 -11.52 -2.52	100.39 -10.43 -3.31	96.37 -9.76 -3.43	92.90 -9.10 -4.08	86.44 -7.82 -6.44	94.77 -9.11 -5.87	131.18 -14.09 0.00	131.69 -14.48 -2.71	128.65 -14.15 -3.82	125.04 -14.49 -4.39	83.30 -9.39 -7.34	83.21 -9.62 -6.93	80.14 -9.10 -7.28	83.18 -9.78 -6.39	78.31 -8.87 -7.98	87.55 -10.30 -5.90	85.61 -9.31 -9.49	94.17 -9.91 -11.44	91.94 -9.36 -11.36	83.30 -8.35 -10.53	80.53 -7.49 -9.15	75.78 -7.62 -7.89	89.51 -8.43 -6.33	77.70 -6.11 -8.30
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	140.70 7.33 -17.03	136.74 6.88 -22.36	132.32 6.47 -23.15	131.66 6.17 -27.57	136.75 5.44 -43.50	143.49 5.88 -39.59	166.52 8.86 -12.39	188.93 8.89 -36.57	182.90 9.06 -34.53	175.58 9.03 -31.75	149.44 5.80 -58.29	146.85 5.93 -55.02	145.55 5.74 -57.85	143.41 6.06 -50.77	147.96 5.39 -63.38	145.40 6.62 -46.84	166.94 6.15 -75.36	190.09 6.86 -90.60	186.43 6.57 -89.93	170.40 5.92 -83.35	156.99 5.68 -72.44	143.52 5.59 -62.41	141.39 7.05 -42.73	136.75 5.21 -56.02
MILLWOOD_13_KV_LOAD 356217	141.05 7.68 -17.03	137.07 7.20 -22.36	132.62 6.78 -23.15	131.95 6.46 -27.57	137.02 5.71 -43.50	143.79 6.18 -39.59	166.96 9.30 -12.39	189.50 9.47 -36.57	183.46 9.61 -34.53	176.12 9.57 -31.75	149.78 6.15 -58.29	147.19 6.27 -55.02	145.88 6.07 -57.85	143.75 6.41 -50.77	148.28 5.70 -63.38	145.77 6.99 -46.84	167.28 6.49 -75.36	190.46 7.23 -90.60	186.79 6.93 -89.93	170.81 6.33 -83.35	157.30 5.99 -72.44	143.75 5.82 -62.41	141.66 7.33 -42.73	136.98 5.44 -56.02
MODEL_CITY_ENERGY 24167	103.64 -15.36 -2.65	97.12 -13.87 -3.49	93.26 -13.04 -3.61	89.87 -12.34 -4.30	83.78 -10.80 -6.78	91.55 -12.64 -6.17	125.81 -19.46 0.00	125.77 -20.37 -2.68	123.31 -20.06 -4.05	119.63 -19.68 -4.51	79.80 -12.80 -7.25	79.78 -12.97 -6.85	76.86 -12.30 -7.20	79.65 -13.24 -6.32	75.05 -12.04 -7.88	83.62 -14.16 -5.83	81.90 -12.90 -9.37	90.04 -13.90 -11.30	88.02 -13.13 -11.22	79.76 -11.76 -10.40	77.03 -10.88 -9.04	72.59 -10.72 -7.79	86.36 -11.91 -6.66	75.49 -8.76 -8.73
MODERN_LFGE___ 323580	103.64 -15.36 -2.65	97.12 -13.87 -3.49	93.26 -13.04 -3.61	89.87 -12.34 -4.30	83.78 -10.80 -6.78	91.55 -12.64 -6.17	125.81 -19.46 0.00	125.77 -20.37 -2.68	123.31 -20.06 -4.05	119.63 -19.68 -4.51	79.80 -12.80 -7.25	79.78 -12.97 -6.85	76.86 -12.30 -7.20	79.65 -13.24 -6.32	75.05 -12.04 -7.88	83.62 -14.16 -5.83	81.90 -12.90 -9.37	90.04 -13.90 -11.30	88.02 -13.13 -11.22	79.76 -11.76 -10.40	77.03 -10.88 -9.04	72.59 -10.72 -7.79	86.36 -11.91 -6.66	75.49 -8.76 -8.73
MOHAWK_PAPER___DRP 24187	143.59 5.82 -21.43	141.02 5.38 -28.14	136.96 5.13 -29.13	137.51 4.90 -34.70	147.03 4.48 -54.74	152.84 5.00 -49.82	234.62 7.41 -81.94	277.02 7.17 -126.39	283.43 7.11 -137.00	210.16 7.14 -68.21	163.21 4.44 -73.42	159.68 4.47 -69.31	159.09 4.26 -72.87	155.12 4.59 -63.96	163.23 4.20 -79.83	155.27 4.32 -59.00	184.37 4.02 -94.93	211.09 4.35 -114.10	207.42 4.23 -113.26	189.83 3.73 -104.97	173.74 3.63 -91.24	157.61 3.47 -78.62	149.59 4.21 -53.77	149.79 3.78 -70.49
MOHICAN___35_KV_115KV_LD 80490	146.31 8.03 -21.94	143.62 7.31 -28.81	139.61 7.09 -29.83	140.19 6.76 -35.52	150.09 6.23 -56.05	156.48 7.45 -51.01	278.50 11.19 -122.04	330.25 11.19 -175.60	344.59 11.15 -194.12	231.29 10.38 -86.11	166.58 6.06 -75.17	162.70 5.84 -70.96	162.14 5.57 -74.61	156.38 4.33 -65.48	165.21 4.28 -81.74	157.69 5.33 -60.41	188.18 5.55 -97.19	215.57 6.11 -116.82	211.92 6.03 -115.96	193.88 5.27 -107.48	177.18 4.89 -93.42	160.32 4.30 -80.49	151.51 4.86 -55.05	151.24 3.55 -72.17
MONGAUP___HYD 23641	139.28 7.45 -15.49	134.73 6.89 -20.34	130.33 6.58 -21.05	129.26 6.27 -25.08	132.91 5.54 -39.57	140.39 6.37 -36.01	165.20 8.57 -11.36	185.31 8.46 -33.39	179.24 8.36 -31.56	171.42 7.68 -28.94	143.09 4.69 -53.04	140.70 4.72 -50.07	139.03 4.42 -52.65	137.54 4.76 -46.21	141.30 4.43 -57.67	140.37 5.80 -42.63	159.65 5.64 -68.58	181.44 6.48 -82.32	178.04 6.39 -81.72	162.63 5.76 -75.74	150.26 5.52 -65.87	137.56 5.28 -56.75	136.78 6.32 -38.86	131.45 4.98 -50.95
MONTAUK___DIESEL 23721	148.49 15.01 -17.14	144.20 14.19 -22.51	139.75 13.76 -23.30	139.08 13.41 -27.75	143.78 12.21 -43.77	151.68 13.82 -39.84	178.53 20.77 -12.48	200.64 20.37 -36.81	194.27 20.20 -34.75	183.59 16.85 -31.94	154.32 10.33 -58.64	151.99 10.74 -55.35	151.30 11.15 -58.20	148.82 11.17 -51.08	153.72 10.77 -63.76	153.93 13.88 -48.10	191.67 13.50 -92.74	215.64 14.73 -108.27	207.33 14.39 -103.00	188.72 12.74 -94.86	176.08 11.36 -85.85	155.79 11.03 -69.24	150.71 13.47 -45.64	142.54 10.57 -56.44
MOONROAD_115KV_HARTFLD_TB1-2 355988	110.18 -9.19 -3.03	103.21 -8.28 -3.98	99.01 -7.80 -4.12	95.19 -7.64 -4.91	88.70 -6.85 -7.74	97.03 -8.04 -7.05	135.83 -9.44 0.00	133.84 -12.77 -3.15	133.85 -10.17 -4.70	127.93 -12.13 -5.27	85.77 -8.11 -8.52	85.79 -8.16 -8.05	82.55 -7.87 -8.46	85.51 -8.48 -7.42	80.15 -8.32 -9.27	89.05 -9.75 -6.85	87.74 -8.71 -11.02	96.64 -9.26 -13.27	94.29 -8.81 -13.17	85.39 -7.95 -12.21	81.91 -7.57 -10.61	76.81 -7.85 -9.15	90.14 -9.07 -7.61	79.30 -6.19 -9.97



MORRIS_RIDGE___SOLAR 323848	111.33 -8.49 -3.47	104.43 -7.63 -4.56	100.13 -7.29 -4.72	96.68 -6.86 -5.62	90.62 -6.06 -8.87	99.03 -7.06 -8.07	139.37 -8.87 -2.96	139.63 -11.34 -7.51	136.81 -10.16 -7.65	129.24 -11.86 -6.30	88.16 -7.77 -10.58	88.07 -7.82 -9.99	85.08 -7.38 -10.50	87.91 -7.88 -9.22	83.41 -7.28 -11.50	91.90 -8.55 -8.50	91.50 -7.60 -13.68	100.81 -8.25 -16.42	98.50 -7.74 -16.30	89.34 -6.90 -15.11	85.23 -6.78 -13.14	80.05 -6.80 -11.32	92.44 -7.88 -8.71	81.43 -5.51 -11.42
MORTIMER_115KV_TB3 55949	111.16 -7.33 -2.14	103.65 -6.67 -2.81	99.35 -6.26 -2.91	95.61 -5.78 -3.47	88.36 -4.92 -5.48	97.22 -5.78 -4.98	135.40 -9.88 0.00	137.34 -8.89 -2.78	129.57 -9.75 0.00	128.07 -8.76 -2.04	87.16 -5.72 -7.52	87.08 -5.93 -7.10	83.85 -5.57 -7.47	87.15 -5.97 -6.55	82.07 -5.31 -8.18	91.74 -6.25 -6.05	89.61 -5.55 -9.73	98.25 -6.02 -11.64	95.82 -5.67 -11.55	86.89 -4.95 -10.71	83.80 -4.42 -9.35	78.89 -4.68 -8.05	91.95 -5.04 -5.38	78.80 -3.78 -7.05
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	141.85 8.38 -17.13	137.84 7.85 -22.49	133.38 7.39 -23.29	132.70 7.05 -27.74	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.29 10.04 -36.79	184.08 10.03 -34.72	176.85 10.11 -31.94	150.64 6.66 -58.63	148.12 6.87 -55.34	146.79 6.64 -58.19	144.66 7.01 -51.07	149.13 6.18 -63.75	146.51 7.45 -47.12	168.16 6.92 -75.80	191.46 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.87	144.57 6.27 -62.78	142.74 8.15 -42.98	137.99 6.12 -56.35
MUNSVILLE_WIND_PWR 323609	132.84 11.17 -5.33	124.50 10.00 -7.00	119.08 9.14 -7.25	115.16 8.62 -8.63	109.59 8.17 -13.62	119.82 9.41 -12.39	169.69 16.56 -7.87	195.15 29.70 -22.00	191.21 27.87 -24.02	173.52 22.79 -15.93	120.45 12.72 -22.38	119.74 12.71 -21.12	115.48 11.31 -22.21	118.44 12.38 -19.49	115.49 11.96 -24.33	125.37 15.44 -17.98	129.40 15.04 -28.93	129.25 8.62 -27.99	125.82 8.10 -27.79	114.03 7.14 -25.76	108.05 6.78 -22.40	100.93 6.11 -19.30	111.67 6.68 -13.38	98.79 5.74 -17.54
N SALMON___HYD 24042	118.09 1.75 0.00	109.33 1.83 0.00	104.44 1.74 0.00	99.58 1.66 0.00	89.12 1.32 0.00	99.98 1.96 0.00	147.59 2.32 0.00	145.75 2.29 0.00	141.69 2.37 0.00	136.42 1.62 0.00	86.55 1.19 0.00	87.02 1.11 0.00	83.02 1.06 0.00	87.70 1.12 0.00	80.22 1.03 0.00	92.86 0.92 0.00	86.29 0.85 0.00	93.47 0.83 0.00	90.48 0.54 0.00	81.54 0.41 0.00	79.03 0.16 0.00	76.28 0.76 0.00	91.79 0.18 0.00	76.05 0.53 0.00
N.AKRON__115KV_KNAPP 355671	107.02 -11.87 -2.54	100.09 -10.75 -3.34	96.19 -9.96 -3.45	92.63 -9.40 -4.11	86.22 -8.08 -6.49	94.52 -9.41 -5.91	130.75 -14.53 0.00	131.11 -15.06 -2.72	128.27 -14.91 -3.85	124.52 -14.69 -4.41	83.05 -9.64 -7.35	82.87 -9.96 -6.93	79.91 -9.34 -7.29	82.93 -10.04 -6.40	78.08 -9.11 -7.99	87.18 -10.67 -5.90	85.36 -9.57 -9.50	93.76 -10.28 -11.41	91.55 -9.71 -11.32	83.02 -8.60 -10.50	80.13 -7.89 -9.15	75.17 -8.23 -7.88	88.91 -9.07 -6.37	77.53 -6.34 -8.36
N.BELMOR_69_KV_BK1 55787	143.49 10.01 -17.14	139.47 9.46 -22.51	135.04 9.04 -23.30	134.28 8.62 -27.75	139.14 7.55 -43.78	146.00 8.14 -39.84	169.54 11.77 -12.50	191.74 11.48 -36.80	185.49 11.42 -34.74	177.39 10.65 -31.94	150.56 6.57 -58.64	148.21 6.96 -55.35	147.12 6.97 -58.20	145.01 7.36 -51.08	149.45 6.49 -63.76	148.70 8.27 -48.48	192.66 7.86 -99.37	215.96 8.34 -114.99	205.94 8.09 -107.91	187.68 7.38 -99.17	179.35 7.02 -93.46	159.77 7.10 -77.15	147.54 9.25 -46.68	139.17 7.17 -56.48
N.E_GEN_SANDY PD 24062	142.43 6.63 -19.46	139.18 6.12 -25.55	135.00 5.85 -26.45	135.00 5.58 -31.51	142.52 5.00 -49.71	148.84 5.58 -45.24	185.69 8.42 -31.99	215.03 8.17 -63.40	212.00 8.08 -64.60	186.78 8.09 -43.89	157.13 5.12 -66.66	154.07 5.24 -62.92	153.12 5.00 -66.16	149.92 5.28 -58.07	156.51 4.83 -72.48	151.31 5.80 -53.57	177.09 5.47 -86.18	202.23 6.11 -103.48	198.50 5.84 -102.72	181.53 5.20 -95.20	166.79 5.12 -82.80	151.62 4.76 -71.34	146.30 5.87 -48.83	143.99 4.45 -64.01
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	139.26 6.40 -16.52	135.22 6.02 -21.70	130.81 5.65 -22.46	130.05 5.39 -26.75	134.76 4.74 -42.21	141.53 5.10 -38.41	165.02 7.70 -12.04	186.72 7.75 -35.52	180.81 7.94 -33.55	173.58 7.95 -30.83	147.02 5.12 -56.55	144.52 5.24 -53.38	143.17 5.08 -56.13	141.20 5.37 -49.26	145.44 4.75 -61.49	143.27 5.88 -45.44	164.01 5.47 -73.11	186.65 6.11 -87.90	183.03 5.85 -87.25	167.35 5.35 -80.87	154.20 5.05 -70.28	141.06 4.98 -60.55	139.38 6.32 -41.46	134.48 4.61 -54.35
N.QUEENS_27_KV_LOAD 356247	142.32 8.84 -17.14	138.28 8.28 -22.50	133.79 7.80 -23.29	133.10 7.44 -27.74	138.25 6.67 -43.77	145.69 7.84 -39.83	169.50 11.77 -12.46	191.43 11.19 -36.78	184.50 10.45 -34.72	177.52 10.78 -31.94	151.33 7.34 -58.64	148.73 7.47 -55.35	147.37 7.21 -58.20	145.18 7.53 -51.08	149.76 6.81 -63.76	147.52 8.46 -47.12	168.59 7.35 -75.81	191.92 8.15 -91.13	188.22 7.82 -90.46	171.95 6.98 -83.84	158.75 7.02 -72.86	145.86 7.55 -62.79	143.20 8.61 -42.99	138.30 6.42 -56.36
N.TROY___115KV_TB1 355778	143.93 6.05 -21.54	141.38 5.59 -28.29	137.32 5.34 -29.28	137.88 5.09 -34.88	147.49 4.65 -55.03	153.39 5.29 -50.08	254.82 7.99 -101.55	301.49 7.75 -150.29	311.90 7.66 -164.91	219.17 7.55 -76.82	163.77 4.61 -73.81	160.21 4.64 -69.67	159.64 4.43 -73.26	155.37 4.50 -64.29	163.65 4.20 -80.25	156.22 4.96 -59.31	185.64 4.78 -95.43	212.61 5.28 -114.70	208.82 5.04 -113.85	191.20 4.54 -105.52	174.93 4.34 -91.72	158.55 4.00 -79.03	150.42 4.76 -54.05	150.16 3.78 -70.86
NARROWS_GT1_1 24228	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT1_2 24229	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT1_3 24230	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT1_4 24231	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36



NARROWS_GT1_5 24232	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT1_6 24233	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT1_7 24234	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT1_8 24235	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_1 24236	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_2 24237	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_3 24238	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_4 24239	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_5 24240	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_6 24241	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_7 24242	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NARROWS_GT2_8 24243	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	168.77 11.04 -12.46	191.45 11.20 -36.80	185.66 11.56 -34.78	178.07 11.32 -31.95	158.89 7.85 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.89 8.14 -57.18	156.97 7.21 -70.57	147.55 8.45 -47.15	177.46 8.12 -83.91	192.46 8.71 -91.12	188.93 8.55 -90.45	172.59 7.62 -83.84	159.14 7.41 -72.86	145.56 7.25 -62.79	149.41 9.35 -48.46	143.98 7.10 -61.36
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	143.86 7.33 -20.18	140.78 6.77 -26.51	136.81 6.68 -27.44	136.86 6.27 -32.68	144.99 5.62 -51.57	151.61 6.67 -46.93	201.99 9.88 -46.84	235.36 9.61 -82.29	235.18 9.61 -86.24	194.74 8.63 -51.32	159.58 5.12 -69.11	156.12 4.98 -65.24	155.14 4.59 -68.59	151.80 5.02 -60.20	159.09 4.75 -75.15	152.45 4.96 -55.54	179.57 4.78 -89.35	205.51 5.47 -107.40	201.76 5.22 -106.61	184.73 4.79 -98.81	169.33 4.57 -85.89	153.83 4.30 -74.00	147.20 4.95 -50.65	146.23 4.30 -66.40
NCHELSEA_115KV_TR2 355582	142.24 8.84 -17.05	138.17 8.28 -22.39	133.68 7.80 -23.18	132.97 7.44 -27.61	137.95 6.59 -43.56	145.01 7.35 -39.64	169.67 11.04 -13.35	192.27 11.05 -37.76	186.51 11.29 -35.90	177.92 10.92 -32.20	150.54 6.83 -58.36	147.87 6.87 -55.09	146.45 6.56 -57.93	144.43 7.01 -50.84	148.99 6.34 -63.46	146.66 7.82 -46.90	168.24 7.35 -75.46	191.60 8.24 -90.72	187.81 7.82 -90.05	171.81 7.22 -83.46	158.27 6.86 -72.53	144.59 6.57 -62.50	142.45 8.06 -42.79	137.58 5.97 -56.09
NEG CAPITAL___MECHNVIL 23645	145.48 7.33 -21.80	142.91 6.78 -28.63	138.81 6.47 -29.64	139.39 6.17 -35.30	149.13 5.62 -55.70	155.28 6.57 -50.69	271.04 9.88 -115.88	321.20 9.76 -167.99	334.27 9.61 -185.34	227.28 9.17 -83.31	165.56 5.47 -74.74	161.87 5.42 -70.55	161.31 5.17 -74.18	156.70 5.02 -65.11	165.30 4.83 -81.27	157.90 5.89 -60.06	187.88 5.81 -96.63	215.15 6.48 -116.03	211.40 6.29 -115.17	193.40 5.52 -106.75	176.83 5.12 -92.84	160.19 4.68 -79.99	151.90 5.59 -54.71	151.55 4.30 -71.72



NEG CENTRAL_HIGH_ACRES 23767	110.85 -7.56 -2.06	103.22 -6.99 -2.71	98.92 -6.57 -2.80	95.18 -6.07 -3.34	87.81 -5.27 -5.27	96.74 -6.08 -4.79	135.54 -9.73 0.00	137.37 -8.76 -2.67	129.84 -9.48 0.00	128.00 -8.76 -1.96	86.87 -5.72 -7.23	86.89 -5.84 -6.83	83.65 -5.49 -7.18	86.98 -5.89 -6.30	81.83 -5.23 -7.86	91.68 -6.07 -5.81	89.31 -5.47 -9.35	98.13 -5.83 -11.33	95.79 -5.39 -11.24	86.69 -4.87 -10.42	83.44 -4.49 -9.06	78.65 -4.68 -7.81	91.46 -5.32 -5.17	78.22 -4.08 -6.78
NEG CENTRAL___DRP 24199	115.11 -3.49 -2.26	107.35 -3.12 -2.97	102.79 -2.98 -3.07	98.93 -2.64 -3.66	91.38 -2.20 -5.77	100.73 -2.55 -5.25	142.22 -3.05 0.00	142.87 -3.44 -2.86	139.16 -3.48 -3.32	134.94 -4.04 -4.19	90.79 -2.30 -7.74	90.81 -2.41 -7.31	87.27 -2.38 -7.69	90.89 -2.42 -6.74	85.48 -2.14 -8.42	95.87 -2.30 -6.22	93.56 -1.88 -10.01	102.68 -1.85 -11.89	100.12 -1.62 -11.80	90.69 -1.38 -10.94	87.15 -1.34 -9.62	82.23 -1.59 -8.29	95.26 -2.02 -5.67	81.52 -1.43 -7.43
NEG CENTRAL___INDECK 23768	107.61 -11.75 -3.01	100.82 -10.64 -3.96	97.14 -9.66 -4.10	93.79 -9.01 -4.88	87.61 -7.90 -7.70	96.21 -8.82 -7.01	131.77 -13.51 0.00	133.87 -13.20 -3.61	129.93 -14.07 -4.67	125.82 -14.56 -5.58	86.16 -8.96 -9.77	85.85 -9.28 -9.22	82.89 -8.77 -9.70	85.73 -9.35 -8.51	81.51 -8.31 -10.63	90.42 -9.38 -7.85	90.03 -8.03 -12.63	99.02 -8.80 -15.19	97.18 -7.83 -15.07	87.96 -7.14 -13.97	84.32 -6.70 -12.15	79.04 -6.95 -10.47	90.93 -8.24 -7.57	81.51 -3.93 -9.92
NEG CENTRAL___SENECA 23627	114.44 -4.42 -2.52	107.05 -3.76 -3.31	102.53 -3.59 -3.43	98.86 -3.13 -4.08	91.70 -2.55 -6.44	100.94 -2.94 -5.86	141.50 -3.78 0.00	142.03 -4.59 -3.16	138.66 -4.46 -3.80	134.25 -5.26 -4.71	91.10 -2.82 -8.56	90.98 -3.01 -8.08	87.59 -2.87 -8.50	91.00 -3.03 -7.46	85.81 -2.69 -9.31	95.97 -2.85 -6.88	94.11 -2.39 -11.07	103.45 -2.41 -13.22	100.99 -2.07 -13.13	91.59 -1.70 -12.17	87.85 -1.66 -10.64	82.65 -2.04 -9.17	95.46 -2.47 -6.33	82.15 -1.66 -8.30
NEG CENTRAL___STATE_STREET 24147	116.90 -1.63 -2.19	108.87 -1.51 -2.87	104.13 -1.54 -2.97	100.08 -1.37 -3.54	92.16 -1.23 -5.59	101.83 -1.27 -5.08	144.40 -0.87 0.00	145.08 -1.15 -2.77	138.07 -1.25 0.00	135.34 -1.48 -2.03	91.82 -1.02 -7.49	91.86 -1.12 -7.07	88.25 -1.15 -7.44	91.97 -1.13 -6.53	86.39 -0.95 -8.15	97.05 -0.92 -6.02	94.52 -0.60 -9.69	103.52 -0.37 -11.26	100.93 -0.18 -11.18	91.32 -0.16 -10.36	88.02 -0.16 -9.31	83.09 -0.45 -8.02	96.36 -0.73 -5.49	82.11 -0.60 -7.19
NEG MILLWOOD___DRP 24198	143.14 9.54 -17.26	139.09 8.92 -22.66	134.58 8.42 -23.46	133.98 8.13 -27.94	139.00 7.11 -44.09	146.08 7.94 -40.12	170.42 12.06 -13.09	193.50 12.34 -37.70	187.45 12.40 -35.73	179.20 12.00 -32.40	152.02 7.60 -59.07	149.31 7.65 -55.76	147.80 7.21 -58.63	145.73 7.71 -51.45	150.39 6.97 -64.23	147.87 8.46 -47.47	169.83 8.03 -76.37	193.34 8.89 -91.81	189.70 8.63 -91.13	173.46 7.87 -84.47	159.77 7.49 -73.41	145.87 7.10 -63.25	143.70 8.79 -43.30	138.63 6.34 -56.77
NEG NORTH_FLCN_SEA 23793	117.62 1.28 0.00	108.79 1.29 0.00	104.03 1.34 0.00	99.19 1.27 0.00	88.77 0.97 0.00	99.59 1.57 0.00	147.02 1.74 0.00	145.18 1.72 0.00	141.00 1.67 0.00	135.88 1.08 0.00	86.21 0.85 0.00	86.68 0.77 0.00	82.70 0.74 0.00	87.35 0.78 0.00	79.91 0.71 0.00	92.59 0.64 0.00	85.94 0.51 0.00	93.01 0.37 0.00	90.03 0.09 0.00	81.13 0.00 0.00	78.63 -0.24 0.00	75.82 0.30 0.00	91.33 -0.27 0.00	75.60 0.08 0.00
NEG NORTH_KES_CHATEGAY 23792	117.04 0.70 0.00	108.25 0.75 0.00	103.52 0.82 0.00	98.70 0.78 0.00	88.33 0.53 0.00	99.00 0.98 0.00	146.15 0.87 0.00	144.32 0.86 0.00	140.02 0.70 0.00	135.07 0.27 0.00	85.69 0.34 0.00	86.16 0.26 0.00	82.29 0.33 0.00	86.92 0.35 0.00	79.51 0.32 0.00	92.04 0.09 0.00	85.52 0.09 0.00	92.54 -0.09 0.00	89.58 -0.36 0.00	80.72 -0.41 0.00	78.32 -0.55 0.00	75.44 -0.08 0.00	90.96 -0.64 0.00	75.22 -0.30 0.00
NEG NORTH___ALICE_FALLS 23915	118.32 1.98 0.00	109.44 1.94 0.00	104.65 1.95 0.00	99.77 1.86 0.00	89.30 1.49 0.00	100.27 2.25 0.00	148.18 2.91 0.00	146.18 2.73 0.00	141.97 2.65 0.00	136.82 2.02 0.00	86.80 1.45 0.00	87.28 1.37 0.00	83.19 1.23 0.00	87.96 1.39 0.00	80.39 1.19 0.00	93.14 1.20 0.00	86.54 1.11 0.00	93.75 1.11 0.00	90.75 0.81 0.00	81.70 0.57 0.00	79.19 0.32 0.00	76.43 0.91 0.00	91.97 0.37 0.00	76.12 0.60 0.00
NEG NORTH___LWR_SARANAC 23913	118.32 1.98 0.00	109.44 1.94 0.00	104.65 1.95 0.00	99.77 1.86 0.00	89.30 1.49 0.00	100.27 2.25 0.00	148.18 2.91 0.00	146.18 2.73 0.00	141.97 2.65 0.00	136.82 2.02 0.00	86.80 1.45 0.00	87.28 1.37 0.00	83.19 1.23 0.00	87.96 1.39 0.00	80.39 1.19 0.00	93.14 1.20 0.00	86.54 1.11 0.00	93.75 1.11 0.00	90.75 0.81 0.00	81.70 0.57 0.00	79.19 0.32 0.00	76.43 0.91 0.00	91.97 0.37 0.00	76.12 0.60 0.00
NEG NORTH___PLATTSBURG 23628	118.32 1.98 0.00	109.44 1.94 0.00	104.64 1.95 0.00	99.77 1.86 0.00	89.30 1.49 0.00	100.28 2.26 0.00	148.18 2.90 0.00	146.18 2.72 0.00	141.96 2.64 0.00	136.82 2.02 0.00	86.80 1.45 0.00	87.27 1.37 0.00	83.19 1.23 0.00	87.95 1.38 0.00	80.39 1.19 0.00	93.14 1.19 0.00	86.54 1.11 0.00	93.75 1.12 0.00	90.74 0.81 0.00	81.70 0.57 0.00	79.19 0.32 0.00	76.35 0.83 0.00	91.97 0.37 0.00	76.12 0.60 0.00
NEG WEST_LEA_LOCKPORT 23791	104.07 -14.89 -2.62	97.51 -13.44 -3.44	93.73 -12.53 -3.57	90.31 -11.85 -4.25	84.06 -10.45 -6.70	91.96 -12.15 -6.10	126.53 -18.74 0.00	126.36 -19.80 -2.70	123.95 -19.37 -3.99	120.15 -19.14 -4.49	80.37 -12.29 -7.31	80.26 -12.54 -6.90	77.41 -11.80 -7.25	80.30 -12.64 -6.37	75.58 -11.56 -7.95	84.12 -13.70 -5.87	82.58 -12.30 -9.45	90.56 -13.43 -11.36	88.53 -12.68 -11.27	80.38 -11.20 -10.45	77.48 -10.49 -9.10	72.79 -10.57 -7.84	86.37 -11.82 -6.58	75.92 -8.23 -8.63
NEG WEST___LANCASTER 23811	105.46 -13.96 -3.08	98.86 -12.69 -4.04	94.97 -11.91 -4.18	91.54 -11.36 -4.98	85.57 -10.10 -7.86	93.51 -11.66 -7.16	134.96 -10.31 0.00	128.32 -18.36 -3.22	132.26 -11.84 -4.78	123.32 -16.85 -5.37	83.14 -10.93 -8.71	83.21 -10.91 -8.22	80.11 -10.49 -8.64	83.25 -10.91 -7.59	78.37 -10.30 -9.47	87.45 -11.49 -7.00	86.01 -10.68 -11.26	94.80 -11.39 -13.56	92.34 -11.06 -13.46	83.30 -10.30 -12.48	79.62 -10.10 -10.84	74.90 -9.97 -9.34	87.33 -12.00 -7.72	77.04 -8.61 -10.13
NEG_PENN_ALLEGHNY 23528	120.75 -1.16 -5.57	113.74 -1.07 -7.31	109.24 -1.03 -7.57	105.95 -0.98 -9.02	101.16 -0.88 -14.23	109.89 -1.08 -12.95	150.40 -0.15 -5.27	155.69 -1.29 -13.52	152.19 -0.69 -13.56	144.44 -1.48 -11.12	103.08 -1.11 -18.84	102.57 -1.12 -17.78	99.51 -1.15 -18.70	101.86 -1.13 -16.41	98.73 -0.95 -20.48	106.16 -0.92 -15.14	109.10 -0.69 -24.36	120.86 -0.74 -28.97	118.07 -0.63 -28.76	107.22 -0.56 -26.65	101.50 -0.55 -23.18	94.81 -0.68 -19.97	104.75 -0.83 -13.97	93.39 -0.45 -18.32
NEG___GEN_MONROE 24207	110.71 -7.80 -2.16	103.25 -7.10 -2.84	98.96 -6.68 -2.94	95.25 -6.17 -3.50	88.16 -5.18 -5.53	96.88 -6.18 -5.03	134.81 -10.46 0.00	136.33 -9.90 -2.78	131.93 -10.59 -3.20	129.00 -9.84 -4.04	86.21 -6.66 -7.52	86.13 -6.87 -7.09	82.94 -6.47 -7.46	86.02 -7.10 -6.55	81.11 -6.26 -8.17	90.54 -7.45 -6.04	88.49 -6.66 -9.72	97.31 -6.95 -11.62	95.09 -6.39 -11.54	86.06 -5.76 -10.69	82.92 -5.28 -9.34	77.98 -5.59 -8.05	91.08 -5.95 -5.43	78.26 -4.38 -7.12



NEPA__ENERGY 23901	108.08 -11.17 -2.90	101.21 -10.11 -3.81	97.20 -9.45 -3.95	93.51 -9.11 -4.70	87.24 -7.99 -7.42	95.36 -9.41 -6.75	132.64 -12.64 0.00	131.20 -15.21 -2.95	130.43 -13.38 -4.48	125.09 -14.69 -4.98	83.78 -9.56 -7.99	83.74 -9.71 -7.54	80.62 -9.26 -7.93	83.57 -9.96 -6.96	78.54 -9.35 -8.68	87.33 -11.03 -6.42	85.85 -9.91 -10.32	94.41 -10.65 -12.43	92.20 -10.07 -12.34	83.56 -9.01 -11.44	80.22 -8.60 -9.95	75.33 -8.76 -8.57	89.00 -9.89 -7.29	78.13 -6.95 -9.56
NEVERSINK__HYD 23608	140.38 8.61 -15.42	135.82 8.07 -20.26	131.37 7.71 -20.97	130.13 7.25 -24.98	133.62 6.41 -39.41	141.24 7.36 -35.86	170.14 11.04 -13.83	190.81 11.05 -36.30	185.46 11.15 -34.99	174.94 10.24 -29.90	144.41 6.23 -52.83	142.04 6.27 -49.87	140.21 5.82 -52.43	138.91 6.32 -46.02	142.42 5.78 -57.44	141.84 7.44 -42.45	160.91 7.18 -68.30	182.78 8.15 -81.99	179.32 8.00 -81.38	163.78 7.22 -75.43	151.41 6.94 -65.60	138.69 6.65 -56.52	138.19 7.88 -38.70	132.08 5.82 -50.74
NEWKRMKL_115KV_TB1 55635	143.21 5.47 -21.40	140.65 5.05 -28.10	136.61 4.83 -29.09	137.16 4.60 -34.65	146.60 4.13 -54.66	152.37 4.61 -49.75	227.59 6.68 -75.63	268.62 6.46 -118.71	273.79 6.41 -128.06	206.74 6.47 -65.47	162.85 4.18 -73.31	159.32 4.21 -69.21	158.74 4.02 -72.77	154.77 4.33 -63.86	162.87 3.96 -79.72	154.26 3.40 -58.92	183.30 3.08 -94.79	209.81 3.24 -113.93	206.09 3.06 -113.09	188.71 2.76 -104.82	172.66 2.68 -91.11	156.67 2.64 -78.50	148.59 3.30 -53.69	149.39 3.47 -70.39
NEWTON__FALLS_HYD 23847	116.20 -0.58 -0.44	107.54 -0.54 -0.58	102.68 -0.62 -0.60	97.94 -0.69 -0.72	88.49 -0.44 -1.13	98.75 -0.29 -1.03	144.69 -0.58 0.00	143.73 -0.29 -0.56	138.21 -1.11 0.00	133.46 -1.75 -0.41	85.59 -1.28 -1.51	85.96 -1.37 -1.43	82.40 -1.07 -1.50	86.33 -1.56 -1.32	79.34 -1.50 -1.65	91.50 -1.65 -1.71	85.68 -1.71 -1.96	93.37 -1.57 -2.31	90.52 -1.71 -2.29	81.63 -1.62 -2.13	79.02 -1.74 -1.88	75.93 -1.21 -1.62	90.88 -1.83 -1.11	75.76 -1.21 -1.45
NGRID_A1_DSASP 323792	103.90 -15.12 -2.67	97.36 -13.65 -3.51	93.49 -12.84 -3.63	90.20 -12.05 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.66 -20.37 -2.58	122.93 -20.48 -4.08	119.57 -19.68 -4.46	79.51 -12.80 -6.96	79.50 -12.97 -6.57	76.57 -12.30 -6.91	79.40 -13.24 -6.07	74.73 -12.04 -7.57	83.29 -14.25 -5.60	81.53 -12.90 -9.00	89.42 -14.08 -10.86	87.49 -13.22 -10.78	79.35 -11.76 -9.99	76.60 -10.96 -8.69	72.21 -10.80 -7.49	86.41 -11.91 -6.71	75.63 -8.68 -8.80
NGRID_A2_DSASP 323793	103.90 -15.12 -2.67	97.36 -13.65 -3.51	93.49 -12.84 -3.63	90.20 -12.05 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.66 -20.37 -2.58	122.93 -20.48 -4.08	119.57 -19.68 -4.46	79.51 -12.80 -6.96	79.50 -12.97 -6.57	76.57 -12.30 -6.91	79.40 -13.24 -6.07	74.73 -12.04 -7.57	83.29 -14.25 -5.60	81.53 -12.90 -9.00	89.42 -14.08 -10.86	87.49 -13.22 -10.78	79.35 -11.76 -9.99	76.60 -10.96 -8.69	72.21 -10.80 -7.49	86.41 -11.91 -6.71	75.63 -8.68 -8.80
NGRID_A4_DSASP 323807	103.90 -15.12 -2.67	97.36 -13.65 -3.51	93.49 -12.84 -3.63	90.20 -12.05 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.66 -20.37 -2.58	122.93 -20.48 -4.08	119.57 -19.68 -4.46	79.51 -12.80 -6.96	79.50 -12.97 -6.57	76.57 -12.30 -6.91	79.40 -13.24 -6.07	74.73 -12.04 -7.57	83.29 -14.25 -5.60	81.53 -12.90 -9.00	89.42 -14.08 -10.86	87.49 -13.22 -10.78	79.35 -11.76 -9.99	76.60 -10.96 -8.69	72.21 -10.80 -7.49	86.41 -11.91 -6.71	75.63 -8.68 -8.80
NIAGARA_115E_LBMP 323715	103.09 -15.93 -2.68	96.62 -14.40 -3.52	92.89 -13.45 -3.64	89.53 -12.73 -4.34	83.50 -11.15 -6.85	91.21 -13.04 -6.23	125.09 -20.19 0.00	125.04 -21.08 -2.67	122.51 -20.90 -4.09	118.85 -20.49 -4.53	79.35 -13.23 -7.22	79.24 -13.48 -6.82	76.43 -12.70 -7.17	79.19 -13.68 -6.29	74.62 -12.43 -7.86	83.04 -14.71 -5.81	81.36 -13.41 -9.34	89.45 -14.45 -11.26	87.45 -13.67 -11.18	79.32 -12.17 -10.36	76.53 -11.36 -9.01	72.03 -11.25 -7.76	85.87 -12.46 -6.72	75.19 -9.14 -8.82
NIAGARA_115W_LBMP 323714	103.65 -15.36 -2.67	97.14 -13.87 -3.51	93.38 -12.94 -3.63	89.99 -12.24 -4.32	83.91 -10.72 -6.82	91.58 -12.64 -6.21	125.23 -20.05 0.00	125.37 -20.66 -2.56	122.78 -20.62 -4.08	119.29 -19.95 -4.44	79.39 -12.89 -6.93	79.31 -13.14 -6.54	76.46 -12.38 -6.88	79.20 -13.42 -6.04	74.62 -12.12 -7.54	83.08 -14.43 -5.57	81.32 -13.07 -8.96	89.27 -14.17 -10.81	87.26 -13.40 -10.73	79.15 -11.92 -9.95	76.40 -11.12 -8.65	72.02 -10.95 -7.45	86.21 -12.09 -6.70	75.47 -8.84 -8.78
NIAGARA_230_LBMP 323716	104.78 -14.20 -2.64	98.17 -12.79 -3.46	94.37 -11.91 -3.59	90.93 -11.26 -4.27	84.71 -9.83 -6.74	92.59 -11.57 -6.13	126.82 -18.45 0.00	126.99 -18.94 -2.47	124.40 -18.95 -4.02	120.67 -18.46 -4.34	80.07 -11.95 -6.67	80.00 -12.20 -6.29	77.10 -11.47 -6.62	80.00 -12.38 -5.81	75.20 -11.25 -7.25	83.97 -13.33 -5.36	82.01 -12.04 -8.62	89.98 -13.06 -10.40	87.94 -12.32 -10.33	79.75 -10.95 -9.57	76.94 -10.25 -8.32	72.58 -10.12 -7.17	87.14 -11.09 -6.62	76.12 -8.08 -8.68
NIAGARA__115KV_198_GIBSON 55903	103.66 -15.36 -2.67	97.14 -13.87 -3.51	93.39 -12.94 -3.63	90.00 -12.24 -4.32	83.91 -10.71 -6.82	91.58 -12.64 -6.21	125.23 -20.05 0.00	125.37 -20.66 -2.57	122.78 -20.62 -4.08	119.16 -20.09 -4.45	79.40 -12.89 -6.94	79.31 -13.14 -6.55	76.47 -12.38 -6.89	79.29 -13.33 -6.05	74.63 -12.12 -7.55	83.09 -14.44 -5.58	81.42 -12.99 -8.97	89.26 -14.17 -10.80	87.25 -13.40 -10.72	79.22 -11.84 -9.93	76.40 -11.12 -8.65	71.87 -11.10 -7.45	86.12 -12.18 -6.70	75.47 -8.84 -8.78
NIAGARA____ 23760	104.81 -14.20 -2.67	98.21 -12.79 -3.50	94.41 -11.91 -3.62	90.97 -11.26 -4.32	84.79 -9.83 -6.82	92.65 -11.57 -6.20	126.82 -18.45 0.00	127.07 -18.94 -2.55	124.43 -18.95 -4.05	120.76 -18.46 -4.42	80.31 -11.95 -6.91	80.23 -12.20 -6.52	77.34 -11.47 -6.86	80.21 -12.38 -6.02	75.46 -11.25 -7.51	84.16 -13.33 -5.55	82.28 -12.04 -8.89	90.30 -13.06 -10.73	88.27 -12.32 -10.65	80.05 -10.95 -9.88	77.21 -10.25 -8.60	72.84 -10.12 -7.44	87.20 -11.09 -6.68	76.23 -8.08 -8.79
NINE_MILE_1 23575	112.53 -4.88 -1.07	104.39 -4.51 -1.40	99.84 -4.31 -1.45	95.53 -4.11 -1.73	86.93 -3.60 -2.73	96.39 -4.11 -2.48	139.31 -5.96 0.00	139.07 -5.74 -1.36	133.48 -5.85 0.00	130.26 -5.53 -0.99	85.45 -3.58 -3.68	85.77 -3.60 -3.47	82.17 -3.44 -3.65	86.14 -3.63 -3.20	79.87 -3.32 -4.00	91.12 -3.77 -2.95	86.76 -3.42 -4.75	94.69 -3.71 -5.76	92.15 -3.51 -5.72	83.26 -3.17 -5.30	80.40 -3.08 -4.61	76.47 -3.02 -3.97	90.62 -3.67 -2.68	76.09 -2.95 -3.51
NINE_MILE_2 23744	112.53 -4.88 -1.07	104.39 -4.51 -1.40	99.84 -4.31 -1.45	95.53 -4.11 -1.73	86.92 -3.60 -2.72	96.38 -4.11 -2.48	139.31 -5.96 0.00	139.07 -5.74 -1.35	133.48 -5.85 0.00	130.26 -5.53 -0.99	85.44 -3.58 -3.67	85.76 -3.60 -3.46	82.16 -3.44 -3.64	86.14 -3.63 -3.19	79.86 -3.32 -3.99	91.12 -3.77 -2.95	86.75 -3.42 -4.74	94.68 -3.71 -5.75	92.13 -3.51 -5.71	83.25 -3.17 -5.29	80.39 -3.08 -4.60	76.46 -3.02 -3.96	90.61 -3.67 -2.67	76.08 -2.95 -3.51
NM_CAPITAL__DRP 24208	143.15 5.47 -21.33	140.57 5.05 -28.02	136.53 4.83 -29.00	137.06 4.60 -34.55	146.53 4.21 -54.51	152.23 4.61 -49.60	226.38 6.83 -74.28	266.91 6.46 -117.00	271.98 6.55 -126.11	206.08 6.47 -64.81	162.64 4.18 -73.10	159.12 4.21 -69.00	158.53 4.02 -72.56	154.58 4.33 -63.68	162.64 3.96 -79.48	154.37 3.68 -58.75	183.28 3.33 -94.51	209.85 3.61 -113.60	206.12 3.42 -112.76	188.73 3.08 -104.52	172.71 3.00 -90.85	156.67 2.87 -78.28	148.71 3.57 -53.54	149.26 3.55 -70.19



NM_CENTRAL___DRP 24181	115.20 -2.68 -1.53	106.93 -2.58 -2.01	102.21 -2.57 -2.08	98.04 -2.35 -2.47	89.60 -2.11 -3.90	99.22 -2.35 -3.55	142.37 -2.91 0.00	142.52 -2.87 -1.93	136.40 -2.93 0.00	133.38 -2.83 -1.42	88.71 -1.88 -5.23	88.95 -1.89 -4.94	85.27 -1.89 -5.19	89.23 -1.90 -4.56	83.15 -1.74 -5.69	94.22 -1.93 -4.21	90.57 -1.62 -6.77	98.88 -1.76 -8.00	96.26 -1.62 -7.94	87.11 -1.38 -7.36	84.03 -1.34 -6.50	79.69 -1.43 -5.60	93.61 -1.83 -3.83	79.11 -1.43 -5.02
NM_FRONTIER___DRP 24179	103.66 -15.36 -2.67	97.14 -13.87 -3.51	93.39 -12.94 -3.63	90.00 -12.24 -4.32	83.91 -10.71 -6.82	91.58 -12.64 -6.21	125.23 -20.05 0.00	125.37 -20.66 -2.57	122.78 -20.62 -4.08	119.16 -20.09 -4.45	79.40 -12.89 -6.94	79.31 -13.14 -6.55	76.47 -12.38 -6.89	79.29 -13.33 -6.05	74.63 -12.12 -7.55	83.09 -14.44 -5.58	81.42 -12.99 -8.97	89.26 -14.17 -10.80	87.25 -13.40 -10.72	79.22 -11.84 -9.93	76.40 -11.12 -8.65	71.87 -11.10 -7.45	86.12 -12.18 -6.70	75.47 -8.84 -8.78
NM_ST_REGIS___HYD 24053	116.11 -0.23 0.00	107.39 -0.11 0.00	102.59 -0.10 0.00	97.82 -0.10 0.00	87.63 -0.18 0.00	98.02 0.00 0.00	144.26 -1.02 0.00	142.60 -0.86 0.00	138.35 -0.98 0.00	133.32 -1.48 0.00	84.50 -0.85 0.00	84.96 -0.94 0.00	81.06 -0.90 0.00	85.53 -1.04 0.00	78.25 -0.95 0.00	90.66 -1.29 0.00	84.15 -1.28 0.00	91.25 -1.39 0.00	88.41 -1.53 0.00	79.67 -1.46 0.00	77.21 -1.66 0.00	74.54 -0.98 0.00	90.05 -1.56 0.00	74.76 -0.76 0.00
NORTHPORT___1 23551	144.18 10.70 -17.14	140.23 10.22 -22.50	135.95 9.96 -23.30	134.97 9.31 -27.75	139.92 8.35 -43.77	145.90 8.04 -39.84	169.51 11.76 -12.47	191.60 11.33 -36.81	185.21 11.15 -34.74	176.04 9.29 -31.95	150.34 6.32 -58.67	147.81 6.53 -55.39	147.32 7.13 -58.24	145.21 7.53 -51.11	149.49 6.50 -63.80	148.89 8.83 -48.12	186.09 8.12 -92.54	209.30 8.71 -107.96	201.41 8.72 -102.75	183.63 7.87 -94.63	171.62 7.18 -85.57	151.73 7.25 -68.96	147.01 9.81 -45.60	139.59 7.62 -56.44
NORTHPORT___2 23552	144.18 10.70 -17.14	140.23 10.22 -22.50	135.95 9.96 -23.30	134.97 9.31 -27.75	139.92 8.35 -43.77	145.90 8.04 -39.84	169.51 11.76 -12.47	191.60 11.33 -36.81	185.21 11.15 -34.74	176.04 9.29 -31.95	150.34 6.32 -58.67	147.81 6.53 -55.39	147.32 7.13 -58.24	145.21 7.53 -51.11	149.49 6.50 -63.80	148.89 8.83 -48.12	186.09 8.12 -92.54	209.30 8.71 -107.96	201.41 8.72 -102.75	183.63 7.87 -94.63	171.62 7.18 -85.57	151.73 7.25 -68.96	147.01 9.81 -45.60	139.59 7.62 -56.44
NORTHPORT___3 23553	141.28 7.80 -17.14	138.07 8.07 -22.50	133.79 7.80 -23.30	133.01 7.35 -27.75	138.08 6.50 -43.77	142.95 5.09 -39.84	165.58 7.84 -12.47	188.01 7.74 -36.81	181.85 7.80 -34.73	173.35 6.60 -31.94	148.28 4.27 -58.67	145.66 4.38 -55.38	144.94 4.75 -58.23	142.88 5.19 -51.11	147.42 4.43 -63.79	146.22 6.16 -48.12	183.93 5.81 -92.68	207.22 6.48 -108.10	199.18 6.39 -102.86	181.61 5.76 -94.72	169.83 5.28 -85.68	149.80 5.28 -69.00	144.19 6.96 -45.62	138.16 6.19 -56.44
NORTHPORT___4 23650	141.28 7.80 -17.14	138.07 8.07 -22.50	133.79 7.80 -23.30	133.01 7.35 -27.75	138.08 6.50 -43.77	142.95 5.09 -39.84	165.58 7.84 -12.47	188.01 7.74 -36.81	181.85 7.80 -34.73	173.35 6.60 -31.94	148.28 4.27 -58.67	145.66 4.38 -55.38	144.94 4.75 -58.23	142.88 5.19 -51.11	147.42 4.43 -63.79	146.22 6.16 -48.12	183.93 5.81 -92.68	207.22 6.48 -108.10	199.18 6.39 -102.86	181.61 5.76 -94.72	169.83 5.28 -85.68	149.80 5.28 -69.00	144.19 6.96 -45.62	138.16 6.19 -56.44
NORTHPORT___IC 23718	144.19 10.70 -17.14	140.22 10.21 -22.50	135.75 9.76 -23.30	134.96 9.30 -27.75	139.92 8.34 -43.77	146.87 9.02 -39.84	169.51 11.77 -12.47	191.59 11.33 -36.80	185.21 11.15 -34.74	176.72 9.98 -31.94	150.56 6.57 -58.64	148.47 7.22 -55.35	147.62 7.46 -58.20	145.53 7.88 -51.08	149.92 6.97 -63.76	149.13 9.10 -48.08	186.21 8.29 -92.49	209.36 8.71 -108.02	201.30 8.54 -102.82	183.61 7.79 -94.69	171.54 7.10 -85.57	151.66 7.17 -68.96	147.01 9.80 -45.60	139.59 7.63 -56.44
NORTH___COUNTRY_ESR 323785	116.69 0.35 0.00	107.93 0.43 0.00	103.21 0.52 0.00	98.41 0.49 0.00	88.07 0.26 0.00	98.71 0.69 0.00	145.57 0.29 0.00	143.89 0.43 0.00	139.60 0.28 0.00	134.66 -0.13 0.00	85.44 0.09 0.00	85.99 0.09 0.00	82.04 0.08 0.00	86.66 0.09 0.00	79.28 0.08 0.00	91.76 -0.18 0.00	85.18 -0.26 0.00	92.18 -0.46 0.00	89.31 -0.63 0.00	80.40 -0.73 0.00	78.00 -0.87 0.00	75.07 -0.45 0.00	90.69 -0.92 0.00	75.00 -0.52 0.00
NPX_GEN_1385_PROXY 323591	143.02 9.54 -17.14	139.36 9.35 -22.50	135.85 9.86 -23.30	134.18 8.51 -27.75	139.31 7.73 -43.77	145.40 7.55 -39.84	168.35 10.60 -12.47	190.46 10.19 -36.81	182.56 8.50 -34.74	172.96 6.20 -31.95	149.57 5.54 -58.67	147.05 5.76 -55.39	146.51 6.31 -58.24	144.35 6.67 -51.11	149.33 6.34 -63.80	148.80 8.74 -48.12	185.40 7.43 -92.54	206.98 6.39 -107.96	199.97 7.28 -102.75	182.33 6.57 -94.63	170.52 6.07 -85.57	151.20 6.72 -68.96	146.00 8.80 -45.60	138.38 6.42 -56.44
NPX_GEN_CSC 323557	146.74 13.26 -17.14	142.47 12.46 -22.51	137.90 11.91 -23.30	137.01 11.35 -27.75	141.76 10.18 -43.77	148.35 10.49 -39.84	174.17 16.41 -12.48	195.20 14.92 -36.82	189.81 15.74 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.76 7.47 -55.39	148.72 8.52 -58.24	145.91 8.23 -51.11	151.15 8.16 -63.80	150.46 10.39 -48.13	188.55 10.33 -92.79	212.33 11.48 -108.21	204.21 11.33 -102.94	186.07 10.14 -94.80	174.02 9.30 -85.85	154.27 9.52 -69.24	149.24 12.00 -45.64	141.17 9.21 -56.44
NSINS_S___GLNS_FALLS 23858	146.21 7.91 -21.95	143.54 7.20 -28.83	139.63 7.09 -29.85	140.12 6.66 -35.55	150.13 6.23 -56.09	156.41 7.35 -51.04	279.20 11.19 -122.74	331.11 11.19 -176.47	345.44 11.01 -195.11	231.47 10.24 -86.43	166.55 5.97 -75.22	162.75 5.84 -71.01	162.20 5.57 -74.66	156.26 4.16 -65.53	165.03 4.04 -81.79	157.55 5.15 -60.45	187.99 5.30 -97.26	215.47 5.93 -116.90	211.73 5.76 -116.04	193.80 5.11 -107.56	177.01 4.65 -93.49	160.15 4.08 -80.55	151.28 4.58 -55.09	151.07 3.32 -72.23
NUCOR_STEEL___DRP 24197	117.16 -1.28 -2.09	108.96 -1.29 -2.75	104.21 -1.34 -2.85	100.13 -1.17 -3.39	92.10 -1.05 -5.35	101.71 -1.18 -4.87	144.40 -0.87 0.00	144.82 -1.29 -2.65	137.93 -1.39 0.00	135.12 -1.62 -1.94	91.42 -1.11 -7.17	91.56 -1.12 -6.77	87.93 -1.15 -7.12	91.70 -1.13 -6.25	86.05 -0.95 -7.80	96.79 -0.92 -5.76	94.02 -0.68 -9.27	102.96 -0.46 -10.78	100.28 -0.36 -10.70	90.80 -0.24 -9.92	87.47 -0.32 -8.91	82.75 -0.45 -7.68	96.22 -0.64 -5.25	81.88 -0.53 -6.89
NUMBER_THREE_WT_PWR 323818	118.80 1.86 -0.60	109.90 1.61 -0.79	104.95 1.44 -0.81	100.15 1.27 -0.97	90.73 1.40 -1.53	101.27 1.86 -1.39	148.76 3.48 0.00	147.92 3.72 -0.74	143.37 4.04 0.00	138.45 3.10 -0.54	88.81 1.45 -2.01	89.17 1.37 -1.90	84.86 0.90 -2.00	88.41 0.09 -1.75	81.23 -0.16 -2.19	93.56 0.00 -1.62	88.12 0.09 -2.60	96.29 0.47 -3.18	93.46 0.36 -3.16	84.38 0.33 -2.93	81.50 0.08 -2.55	77.87 0.15 -2.19	92.83 -0.27 -1.50	77.34 -0.15 -1.97
NYISO_LBMP_REFERENCE 24008	116.34 0.00 0.00	107.50 0.00 0.00	102.70 0.00 0.00	97.91 0.00 0.00	87.81 0.00 0.00	98.02 0.00 0.00	145.27 0.00 0.00	143.46 0.00 0.00	139.32 0.00 0.00	134.80 0.00 0.00	85.35 0.00 0.00	85.90 0.00 0.00	81.96 0.00 0.00	86.57 0.00 0.00	79.20 0.00 0.00	91.94 0.00 0.00	85.43 0.00 0.00	92.64 0.00 0.00	89.94 0.00 0.00	81.13 0.00 0.00	78.87 0.00 0.00	75.52 0.00 0.00	91.61 0.00 0.00	75.52 0.00 0.00



NYPA_BRENTWD____GT 24164	145.58 12.10 -17.14	141.40 11.39 -22.51	136.99 10.99 -23.30	136.04 10.37 -27.75	140.88 9.30 -43.77	147.17 9.32 -39.84	171.84 14.09 -12.48	193.91 13.64 -36.82	187.72 13.66 -34.74	178.20 11.45 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.23 8.04 -58.24	146.08 8.40 -51.11	150.52 7.53 -63.80	150.20 10.11 -48.15	188.06 9.57 -93.06	211.59 10.46 -108.48	203.41 10.34 -103.14	185.43 9.33 -94.97	173.62 8.60 -86.16	153.53 8.46 -69.55	148.27 10.99 -45.68	140.50 8.53 -56.44
NYPA_GOWANUS____GT5 24156	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
NYPA_GOWANUS____GT6 24157	148.90 9.88 -22.67	144.13 9.25 -27.38	138.89 8.72 -27.47	138.04 8.32 -31.81	143.70 7.28 -48.61	151.54 7.84 -45.68	158.69 10.90 -2.51	169.93 11.05 -15.43	160.25 11.56 -9.37	153.59 11.18 -7.61	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	137.49 8.37 -37.18	139.59 8.03 -46.13	142.69 8.71 -41.35	142.75 8.55 -44.27	142.55 7.62 -53.80	133.54 7.41 -47.26	133.85 7.18 -51.16	149.41 9.35 -48.46	143.98 7.10 -61.36
NYPA_HARLEM__RVR__GT1 24160	142.21 8.73 -17.14	138.07 8.07 -22.50	133.70 7.71 -23.29	133.00 7.35 -27.74	138.07 6.50 -43.77	144.81 6.96 -39.83	169.08 11.34 -12.47	191.15 10.90 -36.80	184.21 10.17 -34.72	177.27 10.52 -31.95	150.86 6.83 -58.68	148.25 6.96 -55.39	147.00 6.80 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	147.09 8.00 -47.15	168.30 7.01 -75.86	191.67 7.97 -91.07	188.15 7.82 -90.39	171.89 6.98 -83.78	158.83 7.10 -72.86	145.41 7.10 -62.79	143.02 8.42 -42.99	138.14 6.26 -56.36
NYPA_HARLEM__RVR__GT2 24161	142.21 8.73 -17.14	138.07 8.07 -22.50	133.70 7.71 -23.29	133.00 7.35 -27.74	138.07 6.50 -43.77	144.81 6.96 -39.83	169.08 11.34 -12.47	191.15 10.90 -36.80	184.21 10.17 -34.72	177.27 10.52 -31.95	150.86 6.83 -58.68	148.25 6.96 -55.39	147.00 6.80 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	147.09 8.00 -47.15	168.30 7.01 -75.86	191.67 7.97 -91.07	188.15 7.82 -90.39	171.89 6.98 -83.78	158.83 7.10 -72.86	145.41 7.10 -62.79	143.02 8.42 -42.99	138.14 6.26 -56.36
NYPA_KENT____GT 24152	146.19 9.54 -20.30	141.62 8.82 -25.30	136.80 8.42 -25.69	136.02 8.03 -30.07	141.37 7.03 -46.54	148.75 7.55 -43.18	168.48 10.75 -12.46	191.15 10.90 -36.80	185.23 11.15 -34.76	177.80 11.06 -31.95	155.56 7.51 -62.69	152.72 7.64 -59.17	151.24 7.38 -61.90	149.04 7.88 -54.59	153.85 6.97 -67.68	147.27 8.18 -47.15	173.67 7.77 -80.47	192.16 8.43 -91.10	188.63 8.27 -90.43	172.32 7.38 -83.81	158.91 7.18 -72.86	145.41 7.10 -62.79	147.18 9.07 -46.50	141.96 6.87 -59.57
NYPA_POUCH1____GT 24155	148.79 9.77 -22.67	144.02 9.13 -27.38	138.79 8.63 -27.47	137.95 8.23 -31.81	143.61 7.20 -48.61	151.44 7.74 -45.68	168.48 10.75 -12.46	191.30 11.05 -36.80	185.38 11.28 -34.78	177.93 11.18 -31.95	158.81 7.77 -65.69	155.80 7.90 -62.00	154.22 7.62 -64.64	151.81 8.05 -57.18	156.97 7.21 -70.57	147.37 8.28 -47.15	177.37 8.03 -83.91	192.37 8.62 -91.12	188.84 8.45 -90.45	172.51 7.55 -83.84	159.07 7.34 -72.86	145.49 7.18 -62.79	149.41 9.35 -48.46	143.91 7.02 -61.36
NYPA_VERNON____GT2 24162	143.47 9.19 -17.94	139.20 8.49 -23.21	134.71 8.11 -23.90	133.98 7.73 -28.33	139.04 6.76 -44.47	145.95 7.25 -40.68	168.33 10.60 -12.46	191.02 10.76 -36.80	184.78 10.73 -34.73	177.54 10.79 -31.95	152.30 7.25 -59.69	149.64 7.39 -56.35	148.25 7.13 -59.17	146.19 7.62 -52.00	150.71 6.73 -64.78	147.09 8.00 -47.15	169.98 7.52 -77.03	191.86 8.15 -91.07	188.34 8.00 -90.40	172.06 7.14 -83.79	158.75 7.02 -72.86	145.18 6.87 -62.79	144.94 8.80 -44.54	139.86 6.57 -57.77
NYPA_VERNON____GT3 24163	143.47 9.19 -17.94	139.20 8.49 -23.21	134.71 8.11 -23.90	133.98 7.73 -28.33	139.04 6.76 -44.47	145.95 7.25 -40.68	168.33 10.60 -12.46	191.02 10.76 -36.80	184.78 10.73 -34.73	177.54 10.79 -31.95	152.30 7.25 -59.69	149.64 7.39 -56.35	148.25 7.13 -59.17	146.19 7.62 -52.00	150.71 6.73 -64.78	147.09 8.00 -47.15	169.98 7.52 -77.03	191.86 8.15 -91.07	188.34 8.00 -90.40	172.06 7.14 -83.79	158.75 7.02 -72.86	145.18 6.87 -62.79	144.94 8.80 -44.54	139.86 6.57 -57.77
NYPA__ASTORIA_CC1 323568	142.56 9.08 -17.14	138.39 8.39 -22.50	134.01 8.02 -23.29	133.30 7.64 -27.74	138.24 6.67 -43.77	145.00 7.15 -39.83	168.20 10.47 -12.46	190.87 10.62 -36.80	184.63 10.58 -34.72	177.27 10.52 -31.95	151.20 7.17 -58.68	148.59 7.30 -55.39	147.25 7.05 -58.24	145.13 7.45 -51.11	149.65 6.65 -63.80	147.00 7.91 -47.15	168.72 7.43 -75.86	191.67 7.97 -91.07	188.25 7.92 -90.39	171.97 7.05 -83.78	158.68 6.94 -72.86	145.11 6.80 -62.79	144.06 8.71 -43.75	139.07 6.50 -57.05
NYPA__ASTORIA_CC2 323569	142.56 9.08 -17.14	138.39 8.39 -22.50	134.01 8.02 -23.29	133.30 7.64 -27.74	138.24 6.67 -43.77	145.00 7.15 -39.83	168.20 10.47 -12.46	190.87 10.62 -36.80	184.63 10.58 -34.72	177.27 10.52 -31.95	151.20 7.17 -58.68	148.59 7.30 -55.39	147.25 7.05 -58.24	145.13 7.45 -51.11	149.65 6.65 -63.80	147.00 7.91 -47.15	168.72 7.43 -75.86	191.67 7.97 -91.07	188.25 7.92 -90.39	171.97 7.05 -83.78	158.68 6.94 -72.86	145.11 6.80 -62.79	144.06 8.71 -43.75	139.07 6.50 -57.05
NYPA__HOLTSVILL 23794	145.12 11.63 -17.14	140.98 10.97 -22.51	136.57 10.58 -23.30	135.65 9.99 -27.75	140.54 8.96 -43.77	146.87 9.01 -39.84	171.57 13.81 -12.48	193.33 13.05 -36.82	187.31 13.24 -34.75	177.66 10.91 -31.95	151.03 7.00 -58.67	148.33 7.05 -55.39	147.82 7.62 -58.24	145.48 7.79 -51.11	150.20 7.21 -63.80	149.63 9.56 -48.13	187.34 9.15 -92.76	210.83 10.01 -108.18	202.75 9.89 -102.92	184.83 8.92 -94.78	172.97 8.28 -85.82	152.96 8.23 -69.21	147.86 10.62 -45.63	140.20 8.23 -56.44
NYPA__HELLGATE_GT1 24158	142.21 8.73 -17.14	138.07 8.07 -22.50	133.70 7.71 -23.29	133.00 7.35 -27.74	138.07 6.50 -43.77	144.81 6.96 -39.83	169.08 11.34 -12.47	191.15 10.90 -36.80	184.21 10.17 -34.72	177.27 10.52 -31.95	150.86 6.83 -58.68	148.25 6.96 -55.39	147.00 6.80 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	147.09 8.00 -47.15	168.30 7.01 -75.86	191.67 7.97 -91.07	188.15 7.82 -90.39	171.89 6.98 -83.78	158.83 7.10 -72.86	145.41 7.10 -62.79	143.02 8.42 -42.99	138.14 6.26 -56.36
NYPA__HELLGATE_GT2 24159	142.21 8.73 -17.14	138.07 8.07 -22.50	133.70 7.71 -23.29	133.00 7.35 -27.74	138.07 6.50 -43.77	144.81 6.96 -39.83	169.08 11.34 -12.47	191.15 10.90 -36.80	184.21 10.17 -34.72	177.27 10.52 -31.95	150.86 6.83 -58.68	148.25 6.96 -55.39	147.00 6.80 -58.24	144.87 7.18 -51.11	149.41 6.41 -63.80	147.09 8.00 -47.15	168.30 7.01 -75.86	191.67 7.97 -91.07	188.15 7.82 -90.39	171.89 6.98 -83.78	158.83 7.10 -72.86	145.41 7.10 -62.79	143.02 8.42 -42.99	138.14 6.26 -56.36
NYS_BARGE__HYD 23848	104.40 -14.55 -2.60	97.80 -13.12 -3.42	93.91 -12.33 -3.54	90.57 -11.55 -4.21	84.36 -10.09 -6.65	92.21 -11.86 -6.05	127.11 -18.16 0.00	127.08 -19.08 -2.70	124.47 -18.81 -3.96	120.81 -18.46 -4.47	80.63 -12.03 -7.31	80.60 -12.20 -6.90	77.66 -11.55 -7.25	80.47 -12.46 -6.37	75.82 -11.33 -7.95	84.48 -13.33 -5.87	82.75 -12.13 -9.45	90.97 -13.06 -11.39	88.92 -12.32 -11.31	80.57 -11.03 -10.48	77.89 -10.10 -9.11	73.33 -10.04 -7.85	87.05 -11.09 -6.53	76.00 -8.08 -8.56



OAK ORCHARD___HYD 24046	111.16 -7.33 -2.14	103.65 -6.67 -2.81	99.34 -6.27 -2.91	95.61 -5.78 -3.47	88.37 -4.92 -5.48	97.22 -5.78 -4.98	135.39 -9.88 0.00	137.33 -8.89 -2.77	129.57 -9.76 0.00	128.20 -8.63 -2.03	87.13 -5.72 -7.49	87.05 -5.93 -7.07	83.91 -5.49 -7.44	87.13 -5.97 -6.53	82.04 -5.31 -8.15	91.71 -6.26 -6.02	89.48 -5.64 -9.69	98.30 -6.02 -11.68	95.96 -5.58 -11.60	86.93 -4.95 -10.75	83.73 -4.49 -9.35	78.89 -4.68 -8.05	91.86 -5.13 -5.38	78.80 -3.77 -7.05
OAKDALE___35_KV_LOAD 356122	120.48 -1.40 -5.53	113.48 -1.29 -7.26	108.88 -1.34 -7.52	105.70 -1.17 -8.96	100.88 -1.05 -14.13	109.61 -1.27 -12.86	150.15 -0.58 -5.46	155.41 -1.72 -13.67	152.11 -1.11 -13.90	144.05 -1.89 -11.14	102.48 -1.37 -18.49	101.98 -1.37 -17.46	99.00 -1.31 -18.35	101.30 -1.39 -16.11	98.12 -1.19 -20.11	105.61 -1.20 -14.86	108.40 -0.94 -23.91	120.73 -1.02 -29.11	117.93 -0.90 -28.90	107.10 -0.81 -26.78	101.07 -0.79 -22.99	94.42 -0.91 -19.81	104.39 -1.10 -13.88	93.04 -0.68 -18.20
OCC_CHEM___DRP 24175	103.89 -15.12 -2.67	97.36 -13.65 -3.51	93.60 -12.73 -3.63	90.20 -12.04 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.67 -20.37 -2.58	122.92 -20.48 -4.08	119.44 -19.82 -4.46	79.61 -12.72 -6.97	79.51 -12.97 -6.58	76.58 -12.29 -6.92	79.49 -13.16 -6.07	74.82 -11.96 -7.58	83.20 -14.34 -5.60	81.54 -12.90 -9.01	89.40 -14.08 -10.84	87.39 -13.31 -10.76	79.42 -11.68 -9.98	76.60 -10.96 -8.69	72.06 -10.95 -7.49	86.22 -12.09 -6.71	75.63 -8.68 -8.80
OH_GEN_PROXY 24063	105.14 -13.85 -2.64	98.51 -12.47 -3.47	94.58 -11.71 -3.59	91.23 -10.96 -4.28	84.90 -9.66 -6.75	92.80 -11.37 -6.15	127.40 -17.87 0.00	127.40 -18.51 -2.45	124.96 -18.39 -4.03	121.20 -17.93 -4.33	80.36 -11.61 -6.62	80.29 -11.86 -6.24	77.30 -11.23 -6.57	80.22 -12.12 -5.76	75.46 -10.93 -7.19	84.30 -12.96 -5.32	82.28 -11.70 -8.55	90.27 -12.69 -10.32	88.22 -11.96 -10.24	80.00 -10.62 -9.50	77.19 -9.94 -8.26	72.75 -9.89 -7.12	87.43 -10.81 -6.63	76.36 -7.86 -8.70
OLIN_CORP_DRP 24177	103.45 -15.59 -2.70	96.96 -14.08 -3.54	93.22 -13.15 -3.67	89.85 -12.44 -4.37	83.81 -10.89 -6.89	91.55 -12.74 -6.27	125.37 -19.90 0.00	125.34 -20.80 -2.69	122.97 -20.48 -4.12	119.28 -20.09 -4.56	79.64 -12.97 -7.26	79.53 -13.23 -6.86	76.71 -12.46 -7.21	79.48 -13.42 -6.33	74.90 -12.20 -7.90	83.26 -14.53 -5.84	81.75 -13.07 -9.39	89.76 -14.17 -11.30	87.66 -13.49 -11.22	79.68 -11.84 -10.40	76.80 -11.12 -9.05	72.14 -11.18 -7.80	86.01 -12.37 -6.77	75.49 -8.91 -8.88
OLIN_CORP_DSASP 323712	103.90 -15.12 -2.67	97.36 -13.65 -3.51	93.49 -12.84 -3.63	90.20 -12.05 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.66 -20.37 -2.58	122.93 -20.48 -4.08	119.57 -19.68 -4.46	79.51 -12.80 -6.96	79.50 -12.97 -6.57	76.57 -12.30 -6.91	79.40 -13.24 -6.07	74.73 -12.04 -7.57	83.29 -14.25 -5.60	81.53 -12.90 -9.00	89.42 -14.08 -10.86	87.49 -13.22 -10.78	79.35 -11.76 -9.99	76.60 -10.96 -8.69	72.21 -10.80 -7.49	86.41 -11.91 -6.71	75.63 -8.68 -8.80
ONEIDA_HERK_LFGE 323681	119.77 2.91 -0.51	110.75 2.58 -0.68	105.76 2.36 -0.70	100.90 2.15 -0.83	91.32 2.20 -1.31	101.86 2.65 -1.20	149.92 4.65 0.00	148.68 4.59 -0.64	144.06 4.74 0.00	139.31 4.04 -0.47	89.29 2.22 -1.73	89.76 2.23 -1.63	85.56 1.89 -1.71	89.72 1.64 -1.50	82.50 1.43 -1.88	95.26 1.93 -1.39	89.54 1.88 -2.23	97.60 2.22 -2.74	94.73 2.07 -2.72	85.52 1.87 -2.52	82.72 1.66 -2.19	79.00 1.59 -1.89	94.45 1.56 -1.29	78.57 1.36 -1.69
ONEIDA___115KV_TB4 55905	120.70 3.37 -0.99	111.81 3.01 -1.29	106.81 2.77 -1.34	102.15 2.64 -1.60	92.78 2.46 -2.52	103.25 2.94 -2.29	150.65 5.38 0.00	149.73 5.02 -1.25	144.34 5.02 0.00	139.89 4.18 -0.91	91.12 2.39 -3.38	91.50 2.41 -3.19	87.44 2.13 -3.35	91.76 2.25 -2.94	85.01 2.14 -3.67	97.41 2.76 -2.71	92.44 2.65 -4.36	100.82 3.06 -5.12	97.90 2.88 -5.09	88.44 2.60 -4.71	85.51 2.44 -4.19	81.32 2.19 -3.61	96.46 2.38 -2.47	80.88 2.11 -3.24
ONONDAGA_REF_OCCRA 23987	116.14 -2.09 -1.89	107.94 -2.04 -2.48	103.21 -2.05 -2.57	99.11 -1.86 -3.06	90.96 -1.67 -4.82	100.55 -1.86 -4.39	143.24 -2.03 0.00	143.69 -2.15 -2.39	137.23 -2.09 0.00	134.26 -2.29 -1.75	90.37 -1.45 -6.47	90.46 -1.55 -6.10	86.90 -1.48 -6.42	90.73 -1.47 -5.63	84.88 -1.35 -7.03	95.67 -1.47 -5.20	92.60 -1.20 -8.36	101.25 -1.20 -9.82	98.70 -0.99 -9.75	89.27 -0.89 -9.04	85.96 -0.95 -8.04	81.39 -1.06 -6.92	95.06 -1.28 -4.74	80.67 -1.06 -6.21
ONONDAGA___COGEN 23986	115.65 -2.44 -1.75	107.33 -2.47 -2.30	102.61 -2.46 -2.38	98.40 -2.35 -2.84	90.17 -2.11 -4.47	99.74 -2.35 -4.07	142.37 -2.91 0.00	142.95 -2.73 -2.22	136.40 -2.93 0.00	133.46 -2.97 -1.62	89.48 -1.88 -6.00	89.68 -1.89 -5.66	86.11 -1.80 -5.96	89.90 -1.90 -5.23	84.06 -1.66 -6.53	94.93 -1.84 -4.82	91.65 -1.54 -7.76	100.21 -1.57 -9.15	97.58 -1.44 -9.08	88.25 -1.30 -8.42	85.07 -1.26 -7.46	80.59 -1.36 -6.43	94.26 -1.74 -4.39	79.85 -1.43 -5.76
ONTARIO___LFGE 23819	114.33 -4.54 -2.52	107.05 -3.77 -3.31	102.53 -3.60 -3.43	98.86 -3.14 -4.08	91.70 -2.55 -6.44	100.65 -3.23 -5.86	141.50 -3.78 0.00	142.01 -4.60 -3.15	138.66 -4.46 -3.80	134.23 -5.26 -4.69	91.05 -2.81 -8.51	90.93 -3.01 -8.04	87.54 -2.87 -8.45	90.96 -3.03 -7.42	85.76 -2.69 -9.26	95.75 -3.03 -6.84	94.22 -2.22 -11.01	103.52 -2.41 -13.30	101.07 -2.06 -13.20	91.58 -1.79 -12.23	87.77 -1.74 -10.64	82.65 -2.04 -9.17	95.46 -2.47 -6.33	82.15 -1.66 -8.30
ORANGEVILLE_WT_PWR 323706	109.20 -10.36 -3.21	102.36 -9.35 -4.22	98.23 -8.83 -4.36	94.79 -8.32 -5.20	88.63 -7.38 -8.20	96.76 -8.72 -7.46	133.51 -11.76 0.00	132.88 -14.05 -3.47	131.52 -12.82 -5.01	126.34 -14.15 -5.70	85.52 -9.22 -9.39	85.41 -9.36 -8.86	82.43 -8.85 -9.32	85.23 -9.52 -8.18	80.54 -8.87 -10.21	89.01 -10.48 -7.55	88.09 -9.49 -12.14	96.86 -10.37 -14.59	94.71 -9.71 -14.49	85.88 -8.68 -13.43	82.11 -8.44 -11.68	77.20 -8.39 -10.06	90.13 -9.53 -8.05	79.21 -6.87 -10.56
ORANGEVILLE___ESR 323794	109.20 -10.36 -3.21	102.36 -9.35 -4.22	98.23 -8.83 -4.36	94.79 -8.32 -5.20	88.63 -7.38 -8.20	96.76 -8.72 -7.46	133.51 -11.76 0.00	132.88 -14.05 -3.47	131.52 -12.82 -5.01	126.34 -14.15 -5.70	85.52 -9.22 -9.39	85.41 -9.36 -8.86	82.43 -8.85 -9.32	85.23 -9.52 -8.18	80.54 -8.87 -10.21	89.01 -10.48 -7.55	88.09 -9.49 -12.14	96.86 -10.37 -14.59	94.71 -9.71 -14.49	85.88 -8.68 -13.43	82.11 -8.44 -11.68	77.20 -8.39 -10.06	90.13 -9.53 -8.05	79.21 -6.87 -10.56
OSWEGATCHIE___HYD 24044	116.21 -0.58 -0.44	107.55 -0.53 -0.58	102.68 -0.61 -0.60	97.95 -0.68 -0.72	88.50 -0.44 -1.13	98.75 -0.29 -1.03	144.70 -0.58 0.00	143.72 -0.29 -0.55	138.20 -1.12 0.00	133.44 -1.76 -0.40	85.56 -1.28 -1.49	85.93 -1.38 -1.40	82.37 -1.07 -1.48	86.31 -1.56 -1.30	79.31 -1.51 -1.62	91.49 -1.65 -1.20	85.65 -1.71 -1.92	93.41 -1.58 -2.35	90.56 -1.71 -2.33	81.67 -1.62 -2.16	79.02 -1.74 -1.88	75.86 -1.28 -1.62	90.88 -1.83 -1.11	75.76 -1.21 -1.45
OSWEGO___5 23606	113.62 -3.96 -1.24	105.36 -3.77 -1.62	100.78 -3.60 -1.68	96.48 -3.43 -2.00	87.98 -2.99 -3.16	97.46 -3.43 -2.87	140.48 -4.79 0.00	140.27 -4.73 -1.55	134.59 -4.74 0.00	131.35 -4.58 -1.13	86.55 -2.99 -4.19	86.85 -3.01 -3.96	83.25 -2.87 -4.16	87.19 -3.03 -3.65	80.98 -2.77 -4.56	92.18 -3.13 -3.37	88.03 -2.82 -5.42	96.24 -2.97 -6.57	93.58 -2.88 -6.52	84.66 -2.52 -6.05	81.68 -2.45 -5.26	77.63 -2.42 -4.53	91.77 -2.93 -3.10	77.16 -2.42 -4.06



OSWEGO___6 23613	113.62 -3.96 -1.24	105.36 -3.77 -1.62	100.78 -3.60 -1.68	96.48 -3.43 -2.00	87.98 -2.99 -3.16	97.46 -3.43 -2.87	140.48 -4.79 0.00	140.27 -4.73 -1.55	134.59 -4.74 0.00	131.35 -4.58 -1.13	86.55 -2.99 -4.19	86.85 -3.01 -3.96	83.25 -2.87 -4.16	87.19 -3.03 -3.65	80.98 -2.77 -4.56	92.18 -3.13 -3.37	88.03 -2.82 -5.42	96.24 -2.97 -6.57	93.58 -2.88 -6.52	84.66 -2.52 -6.05	81.68 -2.45 -5.26	77.63 -2.42 -4.53	91.77 -2.93 -3.10	77.16 -2.42 -4.06
OUTOKUMPU-AB___DRP 24206	105.57 -13.50 -2.72	98.93 -12.15 -3.57	95.10 -11.30 -3.70	91.55 -10.77 -4.40	85.36 -9.40 -6.95	93.27 -11.08 -6.32	128.57 -16.71 0.00	128.11 -18.08 -2.73	126.21 -17.28 -4.16	122.03 -17.39 -4.62	81.56 -11.18 -7.39	81.45 -11.43 -6.97	78.47 -10.82 -7.33	81.41 -11.60 -6.44	76.62 -10.61 -8.03	85.19 -12.69 -5.94	83.62 -11.36 -9.55	91.80 -12.32 -11.49	89.65 -11.69 -11.40	81.40 -10.30 -10.57	78.37 -9.70 -9.20	73.71 -9.74 -7.93	87.53 -10.90 -6.82	76.84 -7.63 -8.95
OXBOW___BTM 323836	104.96 -14.08 -2.70	98.36 -12.69 -3.54	94.45 -11.91 -3.67	91.02 -11.26 -4.37	84.86 -9.83 -6.89	92.72 -11.57 -6.27	127.25 -18.02 0.00	127.17 -18.94 -2.65	124.92 -18.53 -4.12	121.00 -18.33 -4.54	80.66 -11.86 -7.17	80.65 -12.03 -6.77	77.69 -11.39 -7.12	80.53 -12.29 -6.25	75.83 -11.16 -7.80	84.38 -13.33 -5.77	82.66 -12.04 -9.27	90.85 -12.97 -11.18	88.80 -12.23 -11.10	80.46 -10.95 -10.29	77.64 -10.17 -8.95	73.19 -10.04 -7.71	87.19 -11.18 -6.77	76.38 -8.01 -8.87
OXBOW____ 24026	104.96 -14.08 -2.70	98.36 -12.69 -3.54	94.55 -11.81 -3.67	91.02 -11.26 -4.37	84.86 -9.83 -6.89	92.72 -11.57 -6.27	127.26 -18.01 0.00	127.18 -18.94 -2.66	124.91 -18.53 -4.12	121.01 -18.33 -4.54	80.75 -11.78 -7.18	80.66 -12.03 -6.78	77.69 -11.39 -7.13	80.62 -12.21 -6.26	75.84 -11.17 -7.81	84.38 -13.33 -5.77	82.75 -11.96 -9.28	90.84 -12.97 -11.17	88.70 -12.32 -11.09	80.53 -10.87 -10.28	77.64 -10.17 -8.95	72.96 -10.27 -7.71	87.01 -11.36 -6.77	76.39 -8.01 -8.87
OXY_CHEM_DSASP 323612	103.89 -15.12 -2.67	97.36 -13.65 -3.51	93.60 -12.73 -3.63	90.20 -12.04 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.67 -20.37 -2.58	122.92 -20.48 -4.08	119.44 -19.82 -4.46	79.61 -12.72 -6.97	79.51 -12.97 -6.58	76.58 -12.29 -6.92	79.49 -13.16 -6.07	74.82 -11.96 -7.58	83.20 -14.34 -5.60	81.54 -12.90 -9.01	89.40 -14.08 -10.84	87.39 -13.31 -10.76	79.42 -11.68 -9.98	76.60 -10.96 -8.69	72.06 -10.95 -7.49	86.22 -12.09 -6.71	75.63 -8.68 -8.80
OZONE_PARK_ESR 323760	142.89 9.42 -17.13	138.81 8.82 -22.49	134.20 8.22 -23.28	133.58 7.93 -27.73	138.50 6.94 -43.76	145.19 7.35 -39.82	168.77 11.04 -12.46	191.57 11.33 -36.78	185.47 11.42 -34.72	178.06 11.32 -31.94	151.49 7.51 -58.63	148.98 7.73 -55.34	147.61 7.46 -58.19	145.52 7.88 -51.07	149.91 6.97 -63.75	147.42 8.37 -47.11	169.09 7.86 -75.80	192.47 8.71 -91.12	188.75 8.36 -90.45	172.51 7.54 -83.84	158.91 7.18 -72.86	145.40 7.10 -62.78	143.74 9.16 -42.98	138.74 6.87 -56.35
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	103.89 -15.12 -2.67	97.36 -13.65 -3.51	93.60 -12.73 -3.63	90.20 -12.04 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.67 -20.37 -2.58	122.92 -20.48 -4.08	119.44 -19.82 -4.46	79.61 -12.72 -6.97	79.51 -12.97 -6.58	76.58 -12.29 -6.92	79.49 -13.16 -6.07	74.82 -11.96 -7.58	83.20 -14.34 -5.60	81.54 -12.90 -9.01	89.40 -14.08 -10.84	87.39 -13.31 -10.76	79.42 -11.68 -9.98	76.60 -10.96 -8.69	72.06 -10.95 -7.49	86.22 -12.09 -6.71	75.63 -8.68 -8.80
PACKARD__115KV_DUPONT_184 80571	103.89 -15.12 -2.67	97.36 -13.65 -3.51	93.60 -12.73 -3.63	90.20 -12.04 -4.33	84.10 -10.54 -6.83	91.79 -12.45 -6.22	125.52 -19.76 0.00	125.67 -20.37 -2.58	122.92 -20.48 -4.08	119.44 -19.82 -4.46	79.61 -12.72 -6.97	79.51 -12.97 -6.58	76.58 -12.29 -6.92	79.49 -13.16 -6.07	74.82 -11.96 -7.58	83.20 -14.34 -5.60	81.54 -12.90 -9.01	89.40 -14.08 -10.84	87.39 -13.31 -10.76	79.42 -11.68 -9.98	76.60 -10.96 -8.69	72.06 -10.95 -7.49	86.22 -12.09 -6.71	75.63 -8.68 -8.80
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	142.09 8.61 -17.14	138.07 8.06 -22.50	133.59 7.60 -23.29	132.90 7.25 -27.74	137.98 6.41 -43.77	145.20 7.35 -39.83	168.77 11.04 -12.46	190.86 10.62 -36.78	184.08 10.03 -34.72	177.12 10.38 -31.94	150.90 6.91 -58.64	148.30 7.04 -55.35	146.96 6.80 -58.20	144.84 7.19 -51.08	149.37 6.41 -63.76	146.97 7.91 -47.12	168.33 7.09 -75.81	191.64 7.87 -91.13	187.95 7.55 -90.46	171.70 6.73 -83.84	158.36 6.63 -72.86	145.33 7.02 -62.79	142.84 8.24 -42.99	138.07 6.19 -56.36
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	143.60 10.12 -17.14	139.36 9.35 -22.50	134.82 8.83 -23.29	134.08 8.42 -27.74	139.04 7.46 -43.77	146.38 8.53 -39.83	170.52 12.78 -12.46	192.58 12.34 -36.78	185.61 11.56 -34.72	178.33 11.59 -31.94	151.67 7.68 -58.64	149.07 7.82 -55.35	147.70 7.54 -58.20	145.62 7.96 -51.08	150.16 7.21 -63.76	147.89 8.83 -47.12	169.19 7.95 -75.81	192.56 8.80 -91.13	188.76 8.36 -90.46	172.51 7.54 -83.84	159.15 7.41 -72.86	146.01 7.70 -62.79	143.75 9.16 -42.99	138.82 6.95 -56.36
PATROON__115KV_TB1 80586	143.51 5.70 -21.46	140.85 5.16 -28.18	136.90 5.03 -29.18	137.46 4.80 -34.75	146.94 4.30 -54.83	152.72 4.80 -49.90	233.86 6.97 -81.61	276.24 6.74 -126.04	282.72 6.83 -136.57	209.66 6.74 -68.12	163.24 4.35 -73.54	159.70 4.38 -69.41	159.05 4.10 -72.99	155.05 4.42 -64.06	163.27 4.12 -79.96	154.72 3.68 -59.10	183.84 3.33 -95.08	210.43 3.52 -114.28	206.79 3.42 -113.43	189.27 3.00 -105.14	173.18 2.92 -91.39	157.13 2.87 -78.74	149.03 3.57 -53.85	149.75 3.62 -70.60
PATTRSNVILLE__SOLAR 323815	144.27 5.35 -22.57	141.98 4.84 -29.64	138.00 4.63 -30.68	138.87 4.41 -36.54	149.59 4.13 -57.65	155.19 4.70 -52.47	283.13 7.26 -130.60	337.26 7.03 -186.78	352.21 6.83 -206.06	230.97 5.92 -90.25	166.01 3.33 -77.33	162.08 3.18 -73.00	161.75 3.03 -76.76	157.14 3.21 -67.36	166.45 3.17 -84.09	158.32 4.23 -62.15	189.86 4.44 -99.99	217.57 4.91 -120.03	213.93 4.85 -119.15	195.86 4.30 -110.43	178.93 4.02 -96.04	162.04 3.77 -82.75	152.63 4.40 -56.63	153.08 3.32 -74.24
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	106.17 -13.15 -2.97	99.58 -11.83 -3.90	95.64 -11.09 -4.04	92.05 -10.67 -4.81	86.00 -9.40 -7.59	94.05 -10.88 -6.91	133.94 -11.33 0.00	129.16 -17.36 -3.06	131.38 -12.54 -4.60	123.76 -16.18 -5.14	83.14 -10.50 -8.29	83.16 -10.57 -7.82	80.10 -10.08 -8.23	83.23 -10.56 -7.22	78.31 -9.90 -9.01	87.30 -11.31 -6.66	85.72 -10.42 -10.71	94.42 -11.12 -12.90	92.04 -10.70 -12.81	83.18 -9.82 -11.87	79.65 -9.54 -10.32	74.97 -9.44 -8.89	87.89 -11.18 -7.46	77.29 -8.01 -9.78
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	143.14 9.54 -17.26	139.09 8.92 -22.66	134.58 8.42 -23.46	133.98 8.13 -27.94	139.00 7.11 -44.09	146.08 7.94 -40.12	170.42 12.06 -13.09	193.50 12.34 -37.70	187.45 12.40 -35.73	179.20 12.00 -32.40	152.02 7.60 -59.07	149.31 7.65 -55.76	147.80 7.21 -58.63	145.73 7.71 -51.45	150.39 6.97 -64.23	147.87 8.46 -47.47	169.83 8.03 -76.37	193.34 8.89 -91.81	189.70 8.63 -91.13	173.46 7.87 -84.47	159.77 7.49 -73.41	145.87 7.10 -63.25	143.70 8.79 -43.30	138.63 6.34 -56.77
PEEKSKILL____ 23653	140.51 7.22 -16.95	136.43 6.67 -22.26	132.11 6.37 -23.04	131.43 6.07 -27.45	136.47 5.36 -43.30	143.11 5.68 -39.41	166.18 8.57 -12.34	188.64 8.75 -36.43	182.48 8.78 -34.38	175.18 8.76 -31.62	149.13 5.72 -58.06	146.55 5.84 -54.80	145.16 5.58 -57.63	143.12 5.97 -50.57	147.63 5.31 -63.13	145.04 6.43 -46.66	166.56 6.07 -75.07	189.43 6.67 -90.12	185.95 6.56 -89.45	169.96 5.92 -82.91	156.66 5.68 -72.10	143.16 5.51 -62.13	141.10 6.96 -42.53	136.42 5.14 -55.76



PGE MADISON___WINDPWR 24146	132.84 11.17 -5.33	124.50 10.00 -7.00	119.08 9.14 -7.25	115.16 8.62 -8.63	109.59 8.17 -13.62	119.82 9.41 -12.39	169.69 16.56 -7.87	195.15 29.70 -22.00	191.21 27.87 -24.02	173.52 22.79 -15.93	120.45 12.72 -22.38	119.74 12.71 -21.12	115.48 11.31 -22.21	118.44 12.38 -19.49	115.49 11.96 -24.33	125.37 15.44 -17.98	129.40 15.04 -28.93	129.25 8.62 -27.99	125.82 8.10 -27.79	114.03 7.14 -25.76	108.05 6.78 -22.40	100.93 6.11 -19.30	111.67 6.68 -13.38	98.79 5.74 -17.54
PIERCEFIELD___HYD 23852	115.30 -1.05 0.00	106.64 -0.86 0.00	101.87 -0.82 0.00	97.13 -0.78 0.00	87.02 -0.79 0.00	97.24 -0.78 0.00	143.10 -2.18 0.00	141.45 -2.01 0.00	137.09 -2.23 0.00	132.10 -2.70 0.00	83.73 -1.62 0.00	84.19 -1.72 0.00	80.32 -1.64 0.00	84.76 -1.82 0.00	77.53 -1.66 0.00	89.83 -2.11 0.00	83.38 -2.05 0.00	90.41 -2.22 0.00	87.60 -2.34 0.00	79.02 -2.11 0.00	76.58 -2.29 0.00	73.86 -1.66 0.00	89.41 -2.20 0.00	74.24 -1.28 0.00
PINELAWN_CC_1 323563	144.31 10.82 -17.14	140.23 10.22 -22.51	135.85 9.86 -23.30	134.97 9.31 -27.75	139.83 8.25 -43.77	146.09 8.23 -39.84	170.39 12.63 -12.48	192.46 12.19 -36.82	186.32 12.26 -34.74	177.27 10.52 -31.95	150.77 6.74 -58.67	148.07 6.78 -55.39	147.32 7.13 -58.24	145.21 7.53 -51.11	149.72 6.73 -63.80	149.19 9.02 -48.23	188.57 8.63 -94.51	212.05 9.45 -109.96	203.51 9.35 -104.22	185.48 8.44 -95.92	174.37 7.73 -87.77	154.39 7.71 -71.17	147.41 9.90 -45.91	139.68 7.71 -56.45
PJM_GEN_HTP_PROXY 323702	141.96 8.49 -17.13	137.84 7.84 -22.49	133.38 7.40 -23.28	132.79 7.14 -27.73	137.79 6.23 -43.75	144.51 6.67 -39.82	168.05 10.32 -12.46	190.87 10.62 -36.80	184.92 10.87 -34.72	177.53 10.79 -31.95	151.09 7.08 -58.66	148.49 7.22 -55.37	147.15 6.96 -58.22	145.12 7.45 -51.10	149.55 6.57 -63.78	147.08 8.00 -47.14	168.62 7.35 -75.84	191.75 8.06 -91.05	188.14 7.82 -90.38	171.96 7.05 -83.77	158.58 6.86 -72.85	145.01 6.72 -62.77	142.91 8.33 -42.97	138.05 6.19 -56.34
PJM_GEN_KEystone 24065	76.90 -2.09 37.36	69.15 -1.83 36.53	69.00 -1.65 32.05	69.00 -1.57 27.34	69.00 -1.41 17.40	69.00 -1.87 27.15	114.76 -1.89 28.62	94.60 -3.29 45.56	98.23 -2.23 38.86	76.97 -2.97 54.86	75.22 -1.88 8.25	73.26 -1.89 10.75	71.68 -1.73 8.55	77.18 -1.82 7.57	85.00 -1.74 -7.55	89.88 -1.84 0.23	112.98 -1.54 -29.08	137.35 -1.66 -46.38	128.17 -1.53 -39.76	122.35 -1.38 -42.60	117.14 -1.34 -39.61	99.50 -1.36 -25.34	88.82 -1.28 1.50	75.00 -0.83 -0.31
PJM_GEN_NEPTUNE_PROXY 323594	142.44 8.96 -17.14	138.50 8.49 -22.50	134.21 8.22 -23.30	133.39 7.73 -27.75	138.43 6.85 -43.77	144.52 6.67 -39.84	167.91 10.17 -12.47	190.16 9.89 -36.81	183.95 8.76 -34.74	175.51 8.76 -31.95	149.75 5.72 -58.67	147.13 5.84 -55.39	146.26 6.06 -58.24	144.09 6.41 -51.11	148.70 5.71 -63.80	147.55 7.54 -48.06	184.04 7.01 -91.60	207.33 7.68 -107.00	199.63 7.64 -102.06	182.04 6.89 -94.02	169.78 6.39 -84.52	149.77 6.34 -67.90	145.31 8.25 -45.45	138.37 6.42 -56.44
PJM_GEN_VFT_PROXY 323633	105.63 7.68 18.39	105.75 7.09 8.85	105.92 6.78 3.55	105.98 6.46 -1.61	106.12 5.62 -12.69	106.31 5.98 -2.31	135.89 8.72 18.10	159.62 8.90 -7.26	134.48 9.05 13.89	130.28 9.17 13.69	105.33 6.32 -13.66	105.32 6.45 -12.97	105.37 6.23 -17.18	105.31 6.58 -12.16	105.41 5.86 -20.35	111.57 6.90 -12.73	116.10 6.41 -24.25	129.74 7.04 -30.07	120.49 6.93 -23.63	120.51 6.16 -33.21	111.53 5.99 -26.67	110.66 5.89 -29.25	107.15 7.70 -7.85	105.38 5.67 -24.20
PLATSBURG_115KV_PMLD1 355749	117.74 1.40 0.00	108.90 1.40 0.00	104.13 1.44 0.00	99.28 1.37 0.00	88.95 1.14 0.00	99.69 1.67 0.00	147.16 1.89 0.00	145.32 1.86 0.00	141.13 1.81 0.00	136.01 1.21 0.00	86.29 0.94 0.00	86.76 0.86 0.00	82.78 0.82 0.00	87.53 0.95 0.00	79.99 0.79 0.00	92.68 0.74 0.00	86.03 0.60 0.00	93.10 0.46 0.00	90.12 0.18 0.00	81.21 0.08 0.00	78.71 -0.16 0.00	75.90 0.38 0.00	91.51 -0.09 0.00	75.67 0.15 0.00
PLEASANTVLY___LBMP 24000	141.26 6.98 -17.94	137.51 6.45 -23.55	133.24 6.16 -24.38	132.83 5.87 -29.04	138.81 5.18 -45.82	145.31 5.59 -41.70	166.68 8.43 -12.98	190.36 8.46 -38.44	184.07 8.50 -36.25	176.70 8.49 -33.41	152.22 5.46 -61.40	149.45 5.58 -57.96	148.23 5.33 -60.94	145.77 5.71 -53.49	151.03 5.07 -66.76	147.45 6.16 -49.34	170.63 5.81 -79.39	194.46 6.39 -95.43	190.78 6.12 -94.73	174.53 5.60 -87.80	160.54 5.36 -76.31	146.48 5.21 -65.75	143.12 6.50 -45.01	139.44 4.91 -59.01
PLSNTVLE_13_KV_13.8KVDIST 80602	141.38 7.80 -17.24	137.56 7.42 -22.64	133.02 6.88 -23.44	132.49 6.66 -27.92	137.74 5.88 -44.05	144.38 6.27 -40.09	167.26 9.44 -12.54	190.10 9.61 -37.03	183.89 9.61 -34.95	176.52 9.57 -32.15	150.51 6.15 -59.02	147.97 6.36 -55.71	146.60 6.07 -58.58	144.48 6.49 -51.41	149.15 5.78 -64.17	146.36 6.99 -47.43	168.31 6.58 -76.30	191.59 7.23 -91.73	188.01 7.02 -91.05	171.85 6.33 -84.39	158.29 6.07 -73.35	144.61 5.89 -63.20	142.29 7.42 -43.26	137.83 5.59 -56.72
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	141.38 7.80 -17.24	137.56 7.42 -22.64	133.02 6.88 -23.44	132.49 6.66 -27.92	137.74 5.88 -44.05	144.38 6.27 -40.09	167.26 9.44 -12.54	190.10 9.61 -37.03	183.89 9.61 -34.95	176.52 9.57 -32.15	150.51 6.15 -59.02	147.97 6.36 -55.71	146.60 6.07 -58.58	144.48 6.49 -51.41	149.15 5.78 -64.17	146.36 6.99 -47.43	168.31 6.58 -76.30	191.59 7.23 -91.73	188.01 7.02 -91.05	171.85 6.33 -84.39	158.29 6.07 -73.35	144.61 5.89 -63.20	142.29 7.42 -43.26	137.83 5.59 -56.72
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	142.39 8.61 -17.44	138.46 8.06 -22.90	134.00 7.60 -23.71	133.40 7.25 -28.24	138.76 6.41 -44.55	145.72 7.16 -40.54	170.40 10.75 -14.37	193.71 10.76 -39.49	187.92 10.87 -37.73	178.55 10.51 -33.23	151.70 6.66 -59.69	148.95 6.70 -56.34	147.60 6.39 -59.24	145.32 6.75 -52.00	150.28 6.18 -64.90	147.54 7.63 -47.97	169.70 7.09 -77.17	193.38 7.97 -92.77	189.67 7.64 -92.09	173.46 6.98 -85.35	159.76 6.70 -74.18	145.86 6.42 -63.92	143.24 7.88 -43.76	138.70 5.82 -57.37
POLETTI_____ 23519	141.62 8.14 -17.13	137.63 7.63 -22.49	133.27 7.29 -23.28	132.70 7.05 -27.73	137.62 6.06 -43.76	144.11 6.27 -39.82	167.03 9.30 -12.46	189.85 9.61 -36.78	183.80 9.75 -34.72	176.58 9.84 -31.94	150.55 6.57 -58.63	148.03 6.79 -55.34	146.71 6.56 -58.19	144.57 6.93 -51.07	149.04 6.10 -63.75	146.32 7.26 -47.11	163.27 6.75 -71.09	166.52 7.50 -66.38	166.34 7.10 -69.29	166.43 6.49 -78.81	157.29 6.15 -72.27	144.49 6.19 -62.78	142.74 8.15 -42.98	137.98 6.12 -56.35
POMONA___ESR 323819	139.26 6.39 -16.52	135.22 6.02 -21.70	130.80 5.64 -22.46	130.05 5.38 -26.75	134.75 4.74 -42.21	141.53 5.09 -38.41	165.02 7.69 -12.05	186.73 7.74 -35.54	180.81 7.94 -33.55	173.59 7.95 -30.84	147.06 5.12 -56.59	144.56 5.24 -53.42	143.21 5.08 -56.17	141.24 5.37 -49.29	145.56 4.83 -61.53	143.31 5.89 -45.48	164.15 5.55 -73.17	186.58 6.11 -87.83	183.06 5.93 -87.19	167.29 5.35 -80.81	154.35 5.20 -70.28	141.13 5.06 -60.55	139.38 6.32 -41.46	134.48 4.61 -54.35
PORT_JEFF_3 23555	145.70 12.21 -17.14	141.52 11.51 -22.51	136.99 10.99 -23.30	136.04 10.37 -27.75	140.88 9.30 -43.77	147.27 9.41 -39.84	172.15 14.39 -12.49	194.06 13.77 -36.82	188.00 13.93 -34.75	178.20 11.45 -31.95	151.37 7.34 -58.67	148.68 7.39 -55.39	148.14 7.95 -58.24	145.82 8.14 -51.11	150.52 7.53 -63.80	150.10 10.02 -48.13	187.88 9.65 -92.80	211.23 10.37 -108.22	203.13 10.25 -102.95	185.34 9.41 -94.80	173.41 8.68 -85.86	153.37 8.61 -69.25	148.23 10.99 -45.64	140.49 8.53 -56.44



PORT_JEFF_4 23616	145.70 12.21 -17.14	141.52 11.51 -22.51	136.99 10.99 -23.30	136.04 10.37 -27.75	140.88 9.30 -43.77	147.27 9.41 -39.84	172.15 14.39 -12.49	194.06 13.77 -36.82	188.00 13.93 -34.75	178.20 11.45 -31.95	151.37 7.34 -58.67	148.68 7.39 -55.39	148.14 7.95 -58.24	145.82 8.14 -51.11	150.52 7.53 -63.80	150.10 10.02 -48.13	187.88 9.65 -92.80	211.23 10.37 -108.22	203.13 10.25 -102.95	185.34 9.41 -94.80	173.41 8.68 -85.86	153.37 8.61 -69.25	148.23 10.99 -45.64	140.49 8.53 -56.44
PORT_JEFF_IC 23713	145.70 12.22 -17.14	141.51 11.50 -22.51	136.98 10.99 -23.30	136.14 10.48 -27.75	140.97 9.40 -43.77	148.05 10.19 -39.84	172.29 14.53 -12.49	194.47 14.20 -36.81	188.15 14.07 -34.75	178.74 12.00 -31.94	151.58 7.60 -58.64	149.24 7.99 -55.35	148.44 8.28 -58.20	146.22 8.57 -51.08	150.87 7.92 -63.76	150.34 10.30 -48.10	188.14 9.91 -92.80	211.35 10.38 -108.34	203.15 10.16 -103.05	185.44 9.41 -94.90	173.47 8.68 -85.92	153.44 8.61 -69.31	148.34 11.08 -45.65	140.57 8.61 -56.44
PPL_PILGRIM_ST_GT1 24216	145.58 12.10 -17.14	141.40 11.39 -22.51	136.99 10.99 -23.30	136.04 10.37 -27.75	140.88 9.30 -43.77	147.17 9.32 -39.84	171.84 14.09 -12.48	193.91 13.64 -36.82	187.72 13.66 -34.74	178.20 11.45 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.23 8.04 -58.24	146.08 8.40 -51.11	150.52 7.53 -63.80	150.20 10.11 -48.15	188.06 9.57 -93.06	211.59 10.46 -108.48	203.41 10.34 -103.14	185.43 9.33 -94.97	173.62 8.60 -86.16	153.53 8.46 -69.55	148.27 10.99 -45.68	140.50 8.53 -56.44
PPL_PILGRIM_ST_GT2 24217	145.58 12.10 -17.14	141.40 11.39 -22.51	136.99 10.99 -23.30	136.04 10.37 -27.75	140.88 9.30 -43.77	147.17 9.32 -39.84	171.84 14.09 -12.48	193.91 13.64 -36.82	187.72 13.66 -34.74	178.20 11.45 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.23 8.04 -58.24	146.08 8.40 -51.11	150.52 7.53 -63.80	150.20 10.11 -48.15	188.06 9.57 -93.06	211.59 10.46 -108.48	203.41 10.34 -103.14	185.43 9.33 -94.97	173.62 8.60 -86.16	153.53 8.46 -69.55	148.27 10.99 -45.68	140.50 8.53 -56.44
PPL_SHRM_GT3 24213	146.74 13.26 -17.14	142.47 12.46 -22.51	138.00 12.01 -23.30	137.01 11.35 -27.75	141.85 10.27 -43.77	148.35 10.49 -39.84	174.32 16.56 -12.49	195.20 14.92 -36.82	189.81 15.74 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.72 8.52 -58.24	145.91 8.23 -51.11	151.15 8.16 -63.80	150.55 10.48 -48.13	188.58 10.33 -92.82	212.45 11.58 -108.24	204.32 11.42 -102.96	186.17 10.22 -94.82	174.05 9.30 -85.88	154.31 9.52 -69.27	149.24 12.00 -45.64	141.25 9.29 -56.44
PPL_SHRM_GT4 24214	146.74 13.26 -17.14	142.47 12.46 -22.51	138.00 12.01 -23.30	137.01 11.35 -27.75	141.85 10.27 -43.77	148.35 10.49 -39.84	174.32 16.56 -12.49	195.20 14.92 -36.82	189.81 15.74 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.72 8.52 -58.24	145.91 8.23 -51.11	151.15 8.16 -63.80	150.55 10.48 -48.13	188.58 10.33 -92.82	212.45 11.58 -108.24	204.32 11.42 -102.96	186.17 10.22 -94.82	174.05 9.30 -85.88	154.31 9.52 -69.27	149.24 12.00 -45.64	141.25 9.29 -56.44
PROJECT___ORANGE 1 24174	115.22 -2.68 -1.55	106.96 -2.58 -2.03	102.34 -2.46 -2.11	98.07 -2.35 -2.51	89.74 -2.02 -3.96	99.37 -2.25 -3.60	142.37 -2.91 0.00	142.55 -2.87 -1.96	136.54 -2.79 0.00	133.40 -2.83 -1.44	88.78 -1.88 -5.31	89.02 -1.89 -5.01	85.42 -1.80 -5.27	89.38 -1.82 -4.62	83.30 -1.66 -5.77	94.37 -1.84 -4.26	90.67 -1.62 -6.86	99.08 -1.67 -8.12	96.46 -1.53 -8.06	87.22 -1.38 -7.47	84.12 -1.34 -6.59	79.77 -1.43 -5.68	93.75 -1.74 -3.89	79.18 -1.43 -5.09
PROJECT___ORANGE 2 24166	115.22 -2.68 -1.55	106.96 -2.58 -2.03	102.34 -2.46 -2.11	98.07 -2.35 -2.51	89.74 -2.02 -3.96	99.37 -2.25 -3.60	142.37 -2.91 0.00	142.55 -2.87 -1.96	136.54 -2.79 0.00	133.40 -2.83 -1.44	88.78 -1.88 -5.31	89.02 -1.89 -5.01	85.42 -1.80 -5.27	89.38 -1.82 -4.62	83.30 -1.66 -5.77	94.37 -1.84 -4.26	90.67 -1.62 -6.86	99.08 -1.67 -8.12	96.46 -1.53 -8.06	87.22 -1.38 -7.47	84.12 -1.34 -6.59	79.77 -1.43 -5.68	93.75 -1.74 -3.89	79.18 -1.43 -5.09
PUCKETT___SOLAR 323809	123.91 1.86 -5.71	116.62 1.61 -7.50	111.90 1.44 -7.77	108.54 1.37 -9.25	103.81 1.40 -14.60	112.87 1.56 -13.29	155.85 3.92 -6.65	164.35 4.73 -16.17	160.88 4.74 -16.82	150.39 2.96 -12.63	106.67 1.36 -19.96	106.03 1.29 -18.84	102.83 1.06 -19.81	105.34 1.38 -17.39	102.33 1.43 -21.70	110.19 2.20 -16.04	113.63 2.39 -25.81	124.13 1.67 -29.82	121.16 1.62 -29.60	110.03 1.46 -27.43	104.07 1.34 -23.86	97.21 1.13 -20.56	107.13 1.19 -14.34	95.45 1.13 -18.80
PYRITES___HYD 24023	117.86 1.51 0.00	109.01 1.51 0.00	104.13 1.44 0.00	99.28 1.37 0.00	89.04 1.23 0.00	99.69 1.67 0.00	147.16 1.89 0.00	145.47 2.01 0.00	141.00 1.67 0.00	135.74 0.94 0.00	85.95 0.60 0.00	86.42 0.52 0.00	82.45 0.49 0.00	87.01 0.43 0.00	79.59 0.40 0.00	92.31 0.37 0.00	85.69 0.26 0.00	93.01 0.37 0.00	90.03 0.09 0.00	81.13 0.00 0.00	78.71 -0.16 0.00	75.82 0.30 0.00	91.51 -0.09 0.00	75.97 0.45 0.00
QUAKERRD_115KV_BK1 80622	110.14 -8.26 -2.06	102.68 -7.53 -2.70	98.31 -7.19 -2.80	94.59 -6.66 -3.33	87.27 -5.80 -5.26	96.14 -6.67 -4.79	134.38 -10.90 0.00	136.26 -9.90 -2.70	128.73 -10.59 0.00	127.20 -9.57 -1.98	86.43 -6.23 -7.31	86.36 -6.44 -6.90	83.15 -6.07 -7.25	86.45 -6.49 -6.37	81.36 -5.78 -7.95	91.01 -6.80 -5.87	88.73 -6.15 -9.45	97.33 -6.58 -11.28	94.92 -6.21 -11.19	85.99 -5.52 -10.37	82.90 -5.05 -9.08	78.05 -5.29 -7.82	90.82 -5.95 -5.17	77.69 -4.61 -6.77
QUENSBRY_115KV_TB8 356137	146.34 8.03 -21.97	143.66 7.31 -28.85	139.75 7.19 -29.86	140.24 6.76 -35.57	150.25 6.32 -56.12	156.54 7.45 -51.08	279.95 11.33 -123.34	332.15 11.48 -177.22	346.72 11.42 -195.98	232.02 10.51 -86.70	166.77 6.15 -75.27	162.88 5.93 -71.05	162.41 5.74 -74.71	156.30 4.16 -65.57	165.08 4.04 -81.84	157.58 5.15 -60.49	188.05 5.30 -97.32	215.54 5.93 -116.98	211.90 5.85 -116.11	193.86 5.11 -107.62	177.07 4.65 -93.54	160.20 4.08 -80.60	151.22 4.49 -55.12	151.04 3.25 -72.27
RAMAPO___LBMP 323565	138.95 6.17 -16.44	134.90 5.81 -21.59	130.49 5.44 -22.35	129.72 5.19 -26.62	134.37 4.57 -42.00	141.14 4.90 -38.22	164.67 7.41 -11.99	186.26 7.46 -35.35	180.37 7.66 -33.39	173.02 7.55 -30.67	146.57 4.95 -56.26	144.08 5.07 -53.11	142.64 4.84 -55.84	140.78 5.19 -49.01	144.97 4.59 -61.18	142.77 5.61 -45.22	163.47 5.30 -72.75	185.93 5.84 -87.46	182.32 5.58 -86.81	166.70 5.11 -80.46	153.69 4.89 -69.92	140.53 4.76 -60.25	138.90 6.05 -41.25	134.06 4.46 -54.08
RANKINE____ 23646	107.14 -12.10 -2.89	100.33 -10.97 -3.80	96.46 -10.17 -3.93	92.90 -9.69 -4.68	86.68 -8.52 -7.39	94.65 -10.10 -6.72	131.76 -13.51 0.00	130.05 -16.35 -2.94	129.43 -14.35 -4.46	124.12 -15.64 -4.96	83.15 -10.16 -7.96	83.11 -10.31 -7.51	80.02 -9.84 -7.90	83.03 -10.48 -6.93	78.11 -9.74 -8.65	86.85 -11.49 -6.39	85.38 -10.34 -10.28	93.81 -11.21 -12.38	91.62 -10.61 -12.29	83.03 -9.49 -11.39	79.79 -8.99 -9.91	75.00 -9.06 -8.54	88.60 -10.26 -7.26	77.78 -7.25 -9.51
RAVENSWOOD_GT2_1 24244	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.28 10.04 -36.78	184.22 10.17 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35



RAVENSWOOD_GT2_2 24245	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.28 10.04 -36.78	184.22 10.17 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35
RAVENSWOOD_GT2_3 24246	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.80 7.15 -27.73	137.89 6.32 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.28 10.04 -36.78	184.22 10.17 -34.72	176.98 10.24 -31.94	150.81 6.83 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.60 7.54 -47.12	168.24 7.01 -75.80	191.55 7.78 -91.13	187.86 7.46 -90.46	171.70 6.73 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35
RAVENSWOOD_GT2_4 24247	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.80 7.15 -27.73	137.89 6.32 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.28 10.04 -36.78	184.22 10.17 -34.72	176.98 10.24 -31.94	150.81 6.83 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.60 7.54 -47.12	168.24 7.01 -75.80	191.55 7.78 -91.13	187.86 7.46 -90.46	171.70 6.73 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35
RAVENSWOOD_GT3_1 24248	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.28 10.04 -36.78	184.22 10.17 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35
RAVENSWOOD_GT3_2 24249	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.51 6.67 -39.82	167.61 9.88 -12.46	190.28 10.04 -36.78	184.22 10.17 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.83 8.24 -42.98	138.06 6.19 -56.35
RAVENSWOOD_GT3_3 24250	142.08 8.61 -17.13	138.06 8.06 -22.49	133.58 7.60 -23.28	132.89 7.25 -27.73	137.97 6.41 -43.76	144.61 6.76 -39.82	167.76 10.02 -12.46	190.43 10.19 -36.78	184.36 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.29 7.04 -55.34	146.95 6.80 -58.19	144.83 7.19 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.12	168.41 7.18 -75.80	191.64 7.87 -91.13	187.95 7.55 -90.46	171.78 6.81 -83.84	158.28 6.55 -72.86	144.80 6.49 -62.78	142.92 8.34 -42.98	138.14 6.27 -56.35
RAVENSWOOD_GT3_4 24251	142.08 8.61 -17.13	138.06 8.06 -22.49	133.58 7.60 -23.28	132.89 7.25 -27.73	137.97 6.41 -43.76	144.61 6.76 -39.82	167.76 10.02 -12.46	190.43 10.19 -36.78	184.36 10.31 -34.72	177.12 10.38 -31.94	150.89 6.91 -58.63	148.29 7.04 -55.34	146.95 6.80 -58.19	144.83 7.19 -51.07	149.36 6.41 -63.75	146.69 7.63 -47.12	168.41 7.18 -75.80	191.64 7.87 -91.13	187.95 7.55 -90.46	171.78 6.81 -83.84	158.28 6.55 -72.86	144.80 6.49 -62.78	142.92 8.34 -42.98	138.14 6.27 -56.35
RAVENSWOOD_GT_1 23729	143.36 9.07 -17.94	139.21 8.49 -23.21	134.61 8.01 -23.90	133.98 7.74 -28.33	139.04 6.76 -44.47	145.85 7.16 -40.68	168.34 10.61 -12.46	191.00 10.76 -36.78	184.78 10.73 -34.73	177.52 10.78 -31.94	152.26 7.25 -59.65	149.60 7.39 -56.31	148.22 7.13 -59.13	146.07 7.53 -51.96	150.59 6.65 -64.74	146.97 7.91 -47.12	169.84 7.43 -76.98	191.92 8.15 -91.14	188.22 7.82 -90.46	171.95 6.98 -83.85	158.44 6.70 -72.86	145.11 6.80 -62.79	144.85 8.70 -44.54	139.94 6.65 -57.77
RAVENSWOOD_GT_10 24258	141.85 8.38 -17.13	137.95 7.96 -22.49	133.37 7.39 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.28 10.04 -36.78	184.08 10.03 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.75 8.24 -42.90	137.99 6.19 -56.28
RAVENSWOOD_GT_11 24259	141.85 8.38 -17.13	137.95 7.96 -22.49	133.37 7.39 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.28 10.04 -36.78	184.08 10.03 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.75 8.24 -42.90	137.99 6.19 -56.28
RAVENSWOOD_GT_4 24252	142.45 8.38 -17.73	138.38 7.85 -23.03	133.83 7.39 -23.74	133.14 7.05 -28.18	138.24 6.15 -44.29	144.95 6.47 -40.46	167.47 9.73 -12.46	190.14 9.90 -36.78	184.08 10.03 -34.73	176.85 10.11 -31.94	151.41 6.66 -59.40	148.84 6.87 -56.07	147.49 6.64 -58.89	145.32 7.01 -51.74	149.87 6.18 -64.49	146.51 7.45 -47.12	169.04 6.92 -76.69	191.46 7.69 -91.13	187.68 7.28 -90.46	171.63 6.65 -83.85	158.04 6.31 -72.86	144.56 6.27 -62.78	142.74 8.15 -42.99	137.99 6.12 -56.35
RAVENSWOOD_GT_5 24254	142.45 8.38 -17.73	138.38 7.85 -23.03	133.83 7.39 -23.74	133.14 7.05 -28.18	138.24 6.15 -44.29	144.95 6.47 -40.46	167.47 9.73 -12.46	190.14 9.90 -36.78	184.08 10.03 -34.73	176.85 10.11 -31.94	151.41 6.66 -59.40	148.84 6.87 -56.07	147.49 6.64 -58.89	145.32 7.01 -51.74	149.87 6.18 -64.49	146.51 7.45 -47.12	169.04 6.92 -76.69	191.46 7.69 -91.13	187.68 7.28 -90.46	171.63 6.65 -83.85	158.04 6.31 -72.86	144.56 6.27 -62.78	142.74 8.15 -42.99	137.99 6.12 -56.35
RAVENSWOOD_GT_6 24253	142.45 8.38 -17.73	138.38 7.85 -23.03	133.83 7.39 -23.74	133.14 7.05 -28.18	138.24 6.15 -44.29	144.95 6.47 -40.46	167.47 9.73 -12.46	190.14 9.90 -36.78	184.08 10.03 -34.73	176.85 10.11 -31.94	151.41 6.66 -59.40	148.84 6.87 -56.07	147.49 6.64 -58.89	145.32 7.01 -51.74	149.87 6.18 -64.49	146.51 7.45 -47.12	169.04 6.92 -76.69	191.46 7.69 -91.13	187.68 7.28 -90.46	171.63 6.65 -83.85	158.04 6.31 -72.86	144.56 6.27 -62.78	142.74 8.15 -42.99	137.99 6.12 -56.35
RAVENSWOOD_GT_7 24255	142.45 8.38 -17.73	138.38 7.85 -23.03	133.83 7.39 -23.74	133.14 7.05 -28.18	138.24 6.15 -44.29	144.95 6.47 -40.46	167.47 9.73 -12.46	190.14 9.90 -36.78	184.08 10.03 -34.73	176.85 10.11 -31.94	151.41 6.66 -59.40	148.84 6.87 -56.07	147.49 6.64 -58.89	145.32 7.01 -51.74	149.87 6.18 -64.49	146.51 7.45 -47.12	169.04 6.92 -76.69	191.46 7.69 -91.13	187.68 7.28 -90.46	171.63 6.65 -83.85	158.04 6.31 -72.86	144.56 6.27 -62.78	142.74 8.15 -42.99	137.99 6.12 -56.35
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	141.85 8.38 -17.13	137.95 7.96 -22.49	133.37 7.39 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.28 10.04 -36.78	184.08 10.03 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.75 8.24 -42.90	137.99 6.19 -56.28



RAVENSWOOD_GT_9 24257	141.85 8.38 -17.13	137.95 7.96 -22.49	133.37 7.39 -23.28	132.80 7.15 -27.73	137.80 6.23 -43.76	144.41 6.57 -39.82	167.47 9.73 -12.46	190.28 10.04 -36.78	184.08 10.03 -34.72	176.85 10.11 -31.94	150.72 6.74 -58.63	148.20 6.96 -55.34	146.87 6.72 -58.19	144.74 7.10 -51.07	149.20 6.26 -63.75	146.51 7.45 -47.12	168.24 7.01 -75.80	191.45 7.69 -91.13	187.77 7.37 -90.46	171.62 6.65 -83.84	158.12 6.39 -72.86	144.64 6.34 -62.78	142.75 8.24 -42.90	137.99 6.19 -56.28
RAVENSWOOD___1 23533	142.56 9.08 -17.14	138.49 8.49 -22.50	134.01 8.02 -23.29	133.30 7.64 -27.74	138.24 6.67 -43.77	145.00 7.15 -39.83	168.20 10.47 -12.46	190.87 10.62 -36.80	184.63 10.58 -34.72	177.39 10.65 -31.95	151.28 7.25 -58.68	148.68 7.39 -55.39	147.33 7.13 -58.24	145.21 7.53 -51.11	149.72 6.73 -63.80	147.09 8.00 -47.15	168.81 7.52 -75.86	191.86 8.15 -91.07	188.25 7.92 -90.39	172.05 7.14 -83.78	158.68 6.94 -72.86	145.18 6.87 -62.79	144.06 8.71 -43.75	139.14 6.57 -57.05
RAVENSWOOD___2 23534	142.56 9.08 -17.14	138.39 8.39 -22.50	134.01 8.02 -23.29	133.30 7.64 -27.74	138.24 6.67 -43.77	145.00 7.15 -39.83	168.20 10.47 -12.46	190.72 10.47 -36.80	184.63 10.58 -34.72	177.39 10.65 -31.95	151.28 7.25 -58.68	148.59 7.30 -55.39	147.25 7.05 -58.24	145.21 7.53 -51.11	149.65 6.65 -63.80	147.00 7.91 -47.15	168.72 7.43 -75.86	191.76 8.06 -91.07	188.25 7.92 -90.39	171.97 7.05 -83.78	158.59 6.86 -72.86	145.11 6.80 -62.79	144.06 8.71 -43.75	139.14 6.57 -57.05
RAVENSWOOD___3 23535	141.96 8.49 -17.13	137.95 7.96 -22.49	133.47 7.49 -23.28	132.79 7.14 -27.73	137.80 6.23 -43.76	144.51 6.67 -39.82	167.62 9.88 -12.46	190.30 10.04 -36.80	184.21 10.17 -34.72	176.86 10.11 -31.95	150.85 6.83 -58.67	148.24 6.96 -55.38	146.91 6.72 -58.23	144.86 7.18 -51.11	149.33 6.34 -63.79	146.63 7.54 -47.15	168.37 7.09 -75.85	191.39 7.68 -91.07	187.89 7.56 -90.39	171.64 6.73 -83.78	158.28 6.54 -72.86	144.80 6.50 -62.78	142.83 8.25 -42.98	138.06 6.19 -56.35
RAVENSWOOD___4 23820	141.65 8.96 -16.34	137.70 8.39 -21.80	133.30 7.91 -22.70	132.61 7.54 -27.16	137.55 6.67 -43.07	144.17 7.15 -38.99	168.05 10.32 -12.46	190.72 10.47 -36.80	184.62 10.58 -34.71	177.27 10.52 -31.95	150.20 7.17 -57.67	147.64 7.30 -54.44	146.33 7.05 -57.32	144.35 7.53 -50.25	148.68 6.65 -62.83	147.00 7.91 -47.15	167.57 7.43 -74.71	191.75 8.06 -91.06	188.24 7.92 -90.39	171.96 7.05 -83.77	158.59 6.86 -72.86	145.11 6.80 -62.79	143.28 8.71 -42.97	138.36 6.50 -56.34
RCPL_TRUST___DRP 24196	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.75	144.50 6.67 -39.82	167.90 10.17 -12.46	190.71 10.47 -36.78	184.63 10.59 -34.72	177.25 10.51 -31.93	150.89 6.91 -58.62	148.37 7.13 -55.34	147.03 6.88 -58.18	144.91 7.27 -51.06	149.35 6.41 -63.74	146.78 7.72 -47.11	168.40 7.18 -75.79	191.72 7.97 -91.12	188.02 7.64 -90.44	171.85 6.90 -83.83	158.35 6.63 -72.85	144.79 6.49 -62.77	142.92 8.34 -42.97	138.13 6.27 -56.34
RED___ROCHESTER 323720	111.61 -6.86 -2.13	104.06 -6.24 -2.80	99.74 -5.85 -2.90	95.98 -5.39 -3.45	88.77 -4.47 -5.44	97.58 -5.39 -4.95	136.13 -9.15 0.00	138.20 -8.03 -2.77	130.40 -8.92 0.00	129.01 -7.82 -2.03	87.74 -5.12 -7.51	87.75 -5.24 -7.09	84.50 -4.92 -7.45	87.83 -5.28 -6.54	82.69 -4.67 -8.17	92.46 -5.51 -6.04	90.18 -4.96 -9.71	98.97 -5.38 -11.71	96.70 -4.86 -11.62	87.60 -4.30 -10.77	84.45 -3.78 -9.37	79.51 -4.08 -8.07	92.46 -4.49 -5.35	79.21 -3.32 -7.01
REGAN___SOLAR 323812	149.28 9.42 -23.52	146.99 8.60 -30.89	142.98 8.31 -31.97	143.83 7.84 -38.08	155.18 7.28 -60.09	161.42 8.72 -54.68	280.71 13.36 -122.08	334.36 13.19 -177.72	345.09 12.54 -193.23	232.30 10.52 -86.98	171.78 5.81 -80.62	167.33 5.33 -76.10	167.06 5.08 -80.02	162.42 5.62 -70.23	172.48 5.62 -87.66	164.36 7.63 -64.79	197.87 8.20 -104.23	226.89 9.17 -125.08	223.17 9.08 -124.16	204.32 8.11 -115.08	186.36 7.41 -100.08	168.69 6.94 -86.23	158.59 7.97 -59.02	159.01 6.11 -77.37
RENSSELAER___COGEN 23796	142.71 5.11 -21.25	140.14 4.72 -27.91	136.11 4.51 -28.90	136.63 4.30 -34.42	146.06 3.95 -54.30	151.75 4.31 -49.42	217.65 6.38 -65.99	256.34 6.02 -106.86	259.63 5.99 -114.32	202.03 6.07 -61.16	162.06 3.84 -72.86	158.64 3.95 -68.78	157.97 3.69 -72.32	154.03 3.98 -63.47	162.07 3.65 -79.23	153.63 3.13 -58.56	182.37 2.73 -94.21	208.72 2.96 -113.12	205.10 2.88 -112.28	187.72 2.52 -104.07	171.83 2.45 -90.51	155.92 2.42 -77.98	148.06 3.12 -53.34	148.69 3.25 -69.92
REPUBLIC_115KV_BARTNBRK 55605	149.70 11.40 -21.95	146.65 10.32 -28.83	142.71 10.17 -29.85	143.16 9.69 -35.55	152.94 9.04 -56.09	159.94 10.88 -51.04	284.40 16.42 -122.71	336.68 16.78 -176.44	351.12 16.72 -195.08	236.58 15.37 -86.41	169.45 8.88 -75.22	165.42 8.50 -71.01	164.65 8.03 -74.66	159.03 6.93 -65.53	167.80 6.81 -81.79	160.95 8.55 -60.45	191.57 8.88 -97.26	219.36 9.82 -116.90	215.60 9.62 -116.04	197.12 8.44 -107.55	180.01 7.65 -93.48	162.71 6.65 -80.55	154.11 7.42 -55.09	153.18 5.44 -72.22
REVERE_CPDR_DRP 24186	121.72 4.54 -0.84	112.69 4.09 -1.10	107.53 3.70 -1.14	102.79 3.52 -1.36	93.28 3.34 -2.14	103.99 4.02 -1.95	152.25 6.97 0.00	151.26 6.74 -1.06	146.01 6.69 0.00	141.37 5.80 -0.78	91.55 3.33 -2.87	91.88 3.26 -2.71	87.76 2.95 -2.85	92.10 3.03 -2.50	85.09 2.77 -3.12	97.83 3.59 -2.31	92.64 3.50 -3.71	100.98 3.98 -4.36	98.04 3.78 -4.32	88.54 3.41 -4.01	85.67 3.23 -3.57	81.54 2.95 -3.07	96.91 3.21 -2.10	80.99 2.72 -2.75
REYNOLDS_115KV_TB3 80639	143.21 5.58 -21.28	140.50 5.05 -27.95	136.56 4.93 -28.93	137.07 4.70 -34.46	146.39 4.21 -54.37	152.21 4.70 -49.48	225.53 6.97 -73.28	265.78 6.60 -115.72	270.53 6.55 -124.66	205.71 6.61 -64.31	162.54 4.27 -72.92	159.03 4.30 -68.83	158.43 4.10 -72.38	154.42 4.33 -63.52	162.45 3.96 -79.29	154.59 4.05 -58.60	183.39 3.67 -94.28	209.94 3.98 -113.32	206.29 3.87 -112.48	188.79 3.41 -104.26	172.89 3.39 -90.62	156.78 3.17 -78.08	148.95 3.94 -53.40	149.08 3.55 -70.01
RIVERBAY____ 323610	143.60 10.12 -17.14	139.36 9.35 -22.50	134.82 8.83 -23.29	134.08 8.42 -27.74	139.04 7.46 -43.77	146.38 8.53 -39.83	170.52 12.78 -12.46	192.58 12.34 -36.78	185.61 11.56 -34.72	178.33 11.59 -31.94	151.67 7.68 -58.64	149.07 7.82 -55.35	147.70 7.54 -58.20	145.62 7.96 -51.08	150.16 7.21 -63.76	147.89 8.83 -47.12	169.19 7.95 -75.81	192.56 8.80 -91.13	188.76 8.36 -90.46	172.51 7.54 -83.84	159.15 7.41 -72.86	146.01 7.70 -62.79	143.75 9.16 -42.99	138.82 6.95 -56.36
RIVERSIDE_115KV_TB3 55908	143.15 5.47 -21.33	140.57 5.05 -28.02	136.53 4.83 -29.00	137.06 4.60 -34.55	146.53 4.21 -54.51	152.23 4.61 -49.60	226.38 6.83 -74.28	266.91 6.46 -117.00	271.98 6.55 -126.11	206.08 6.47 -64.81	162.64 4.18 -73.10	159.12 4.21 -69.00	158.53 4.02 -72.56	154.58 4.33 -63.68	162.64 3.96 -79.48	154.37 3.68 -58.75	183.28 3.33 -94.51	209.85 3.61 -113.60	206.12 3.42 -112.76	188.73 3.08 -104.52	172.71 3.00 -90.85	156.67 2.87 -78.28	148.71 3.57 -53.54	149.26 3.55 -70.19
ROARING___BROOK_WT_PWR 323790	116.23 -0.12 0.00	107.39 -0.11 0.00	102.49 -0.20 0.00	97.52 -0.39 0.00	87.37 -0.44 0.00	97.44 -0.58 0.00	143.96 -1.31 0.00	142.16 -1.29 0.00	138.07 -1.26 0.00	133.58 -1.22 0.00	84.67 -0.69 0.00	85.39 -0.51 0.00	81.47 -0.49 0.00	86.06 -0.52 0.00	78.56 -0.64 0.00	90.93 -1.01 0.00	84.32 -1.11 0.00	91.25 -1.39 0.00	88.41 -1.53 0.00	79.67 -1.46 0.00	77.37 -1.50 0.00	74.16 -1.36 0.00	89.86 -1.74 0.00	74.16 -1.36 0.00



ROCHESRG_115KV_T4 355643	110.78 -7.68 -2.11	103.29 -6.99 -2.78	99.00 -6.57 -2.87	95.27 -6.07 -3.42	88.02 -5.18 -5.40	96.86 -6.08 -4.91	134.81 -10.46 0.00	136.78 -9.47 -2.79	129.01 -10.31 0.00	127.54 -9.30 -2.04	86.84 -6.06 -7.54	86.75 -6.27 -7.12	83.55 -5.90 -7.49	86.82 -6.32 -6.57	81.78 -5.62 -8.20	91.29 -6.71 -6.06	89.21 -5.98 -9.75	97.82 -6.48 -11.66	95.49 -6.03 -11.58	86.59 -5.27 -10.73	83.51 -4.73 -9.37	78.53 -5.06 -8.07	91.50 -5.40 -5.30	78.47 -4.00 -6.95
ROCHESTER_9_IC 23652	111.38 -7.10 -2.13	103.74 -6.56 -2.80	99.43 -6.16 -2.90	95.68 -5.68 -3.45	88.42 -4.83 -5.44	97.29 -5.69 -4.95	135.54 -9.73 0.00	137.63 -8.61 -2.78	129.85 -9.47 0.00	128.35 -8.49 -2.04	87.34 -5.55 -7.54	87.27 -5.76 -7.12	84.12 -5.33 -7.48	87.34 -5.80 -6.57	82.25 -5.15 -8.20	91.93 -6.07 -6.06	89.80 -5.38 -9.75	98.46 -5.84 -11.66	96.02 -5.49 -11.57	87.07 -4.79 -10.73	84.06 -4.18 -9.37	79.06 -4.53 -8.07	92.00 -4.95 -5.35	78.90 -3.62 -7.01
ROCKVIEW_13_KV_LD 356306	141.85 8.38 -17.13	137.84 7.85 -22.49	133.37 7.39 -23.28	132.70 7.05 -27.73	137.79 6.23 -43.75	144.50 6.67 -39.82	167.76 10.02 -12.46	190.42 10.19 -36.78	184.35 10.31 -34.72	176.98 10.24 -31.94	150.55 6.57 -58.62	148.03 6.79 -55.34	146.70 6.56 -58.19	144.57 6.93 -51.07	149.12 6.18 -63.74	146.50 7.45 -47.11	168.23 7.01 -75.79	191.44 7.69 -91.12	187.85 7.46 -90.45	171.69 6.73 -83.83	158.19 6.47 -72.86	144.56 6.27 -62.77	142.55 7.97 -42.98	137.83 5.97 -56.34
ROME____115KV_TB2 80656	121.72 4.54 -0.84	112.69 4.09 -1.10	107.53 3.70 -1.14	102.79 3.52 -1.36	93.28 3.34 -2.14	103.99 4.02 -1.95	152.25 6.97 0.00	151.26 6.74 -1.06	146.01 6.69 0.00	141.37 5.80 -0.78	91.55 3.33 -2.87	91.88 3.26 -2.71	87.76 2.95 -2.85	92.10 3.03 -2.50	85.09 2.77 -3.12	97.83 3.59 -2.31	92.64 3.50 -3.71	100.98 3.98 -4.36	98.04 3.78 -4.32	88.54 3.41 -4.01	85.67 3.23 -3.57	81.54 2.95 -3.07	96.91 3.21 -2.10	80.99 2.72 -2.75
ROSETON___1 23587	139.90 6.63 -16.93	135.96 6.23 -22.23	131.66 5.95 -23.01	130.90 5.58 -27.41	136.05 5.00 -43.24	142.76 5.39 -39.35	165.59 7.98 -12.33	187.87 8.03 -36.38	181.88 8.22 -34.34	174.47 8.09 -31.58	148.62 5.29 -57.97	145.96 5.33 -54.73	144.67 5.17 -57.54	142.62 5.55 -50.50	147.15 4.91 -63.04	144.51 5.97 -46.59	166.03 5.64 -74.96	188.83 6.21 -89.99	185.29 6.03 -89.32	169.36 5.44 -82.79	156.16 5.28 -72.00	142.62 5.06 -62.04	140.39 6.32 -42.47	135.89 4.68 -55.68
ROSETON___2 23588	139.90 6.63 -16.93	135.96 6.23 -22.23	131.66 5.95 -23.01	130.90 5.58 -27.41	136.05 5.00 -43.24	142.76 5.39 -39.35	165.59 7.98 -12.33	187.87 8.03 -36.38	181.88 8.22 -34.34	174.47 8.09 -31.58	148.62 5.29 -57.97	145.96 5.33 -54.73	144.67 5.17 -57.54	142.62 5.55 -50.50	147.15 4.91 -63.04	144.51 5.97 -46.59	166.03 5.64 -74.96	188.83 6.21 -89.99	185.29 6.03 -89.32	169.36 5.44 -82.79	156.16 5.28 -72.00	142.62 5.06 -62.04	140.39 6.32 -42.47	135.89 4.68 -55.68
ROTRDAM_115KV_TB3 80664	142.97 4.42 -22.20	140.64 3.98 -29.16	136.78 3.90 -30.18	137.49 3.62 -35.95	147.86 3.34 -56.72	153.46 3.82 -51.62	284.95 5.81 -133.86	339.31 5.59 -190.25	355.73 5.43 -210.98	231.55 5.26 -91.50	164.58 3.16 -76.07	160.81 3.09 -71.81	160.42 2.95 -75.51	155.87 3.03 -66.27	164.77 2.85 -82.72	156.67 3.59 -61.14	187.29 3.50 -98.36	214.75 3.89 -118.23	211.07 3.78 -117.35	193.31 3.41 -108.77	176.65 3.23 -94.54	160.00 3.02 -81.46	150.89 3.57 -55.71	151.28 2.72 -73.04
RUSSELL___1 23602	111.61 -6.86 -2.13	104.06 -6.24 -2.80	99.74 -5.85 -2.90	95.98 -5.39 -3.45	88.77 -4.48 -5.44	97.58 -5.39 -4.95	136.12 -9.15 0.00	138.21 -8.03 -2.78	130.41 -8.92 0.00	129.02 -7.82 -2.04	87.77 -5.12 -7.54	87.78 -5.24 -7.12	84.53 -4.92 -7.48	87.86 -5.28 -6.57	82.72 -4.67 -8.20	92.49 -5.52 -6.06	90.23 -4.96 -9.75	98.92 -5.37 -11.66	96.56 -4.95 -11.57	87.56 -4.30 -10.73	84.53 -3.71 -9.37	79.44 -4.15 -8.07	92.55 -4.40 -5.35	79.21 -3.32 -7.01
RUSSELL___2 23532	111.61 -6.86 -2.13	104.06 -6.24 -2.80	99.74 -5.85 -2.90	95.98 -5.39 -3.45	88.77 -4.48 -5.44	97.58 -5.39 -4.95	136.12 -9.15 0.00	138.21 -8.03 -2.78	130.41 -8.92 0.00	129.02 -7.82 -2.04	87.77 -5.12 -7.54	87.78 -5.24 -7.12	84.53 -4.92 -7.48	87.86 -5.28 -6.57	82.72 -4.67 -8.20	92.49 -5.52 -6.06	90.23 -4.96 -9.75	98.92 -5.37 -11.66	96.56 -4.95 -11.57	87.56 -4.30 -10.73	84.53 -3.71 -9.37	79.44 -4.15 -8.07	92.55 -4.40 -5.35	79.21 -3.32 -7.01
RUSSELL___3 23549	111.61 -6.86 -2.13	104.06 -6.24 -2.80	99.74 -5.85 -2.90	95.98 -5.39 -3.45	88.77 -4.48 -5.44	97.58 -5.39 -4.95	136.12 -9.15 0.00	138.21 -8.03 -2.78	130.41 -8.92 0.00	129.02 -7.82 -2.04	87.77 -5.12 -7.54	87.78 -5.24 -7.12	84.53 -4.92 -7.48	87.86 -5.28 -6.57	82.72 -4.67 -8.20	92.49 -5.52 -6.06	90.23 -4.96 -9.75	98.92 -5.37 -11.66	96.56 -4.95 -11.57	87.56 -4.30 -10.73	84.53 -3.71 -9.37	79.44 -4.15 -8.07	92.55 -4.40 -5.35	79.21 -3.32 -7.01
RUSSELL___4 23556	111.61 -6.86 -2.13	104.06 -6.24 -2.80	99.74 -5.85 -2.90	95.98 -5.39 -3.45	88.77 -4.48 -5.44	97.58 -5.39 -4.95	136.12 -9.15 0.00	138.21 -8.03 -2.78	130.41 -8.92 0.00	129.02 -7.82 -2.04	87.77 -5.12 -7.54	87.78 -5.24 -7.12	84.53 -4.92 -7.48	87.86 -5.28 -6.57	82.72 -4.67 -8.20	92.49 -5.52 -6.06	90.23 -4.96 -9.75	98.92 -5.37 -11.66	96.56 -4.95 -11.57	87.56 -4.30 -10.73	84.53 -3.71 -9.37	79.44 -4.15 -8.07	92.55 -4.40 -5.35	79.21 -3.32 -7.01
RUSSELL___STATION 23914	111.61 -6.86 -2.13	104.06 -6.24 -2.80	99.74 -5.85 -2.90	95.98 -5.39 -3.45	88.77 -4.48 -5.44	97.58 -5.39 -4.95	136.12 -9.15 0.00	138.21 -8.03 -2.78	130.41 -8.92 0.00	129.02 -7.82 -2.04	87.77 -5.12 -7.54	87.78 -5.24 -7.12	84.53 -4.92 -7.48	87.86 -5.28 -6.57	82.72 -4.67 -8.20	92.49 -5.52 -6.06	90.23 -4.96 -9.75	98.92 -5.37 -11.66	96.56 -4.95 -11.57	87.56 -4.30 -10.73	84.53 -3.71 -9.37	79.44 -4.15 -8.07	92.55 -4.40 -5.35	79.21 -3.32 -7.01
S SALMON___HYD 24043	114.77 -2.79 -1.22	106.42 -2.68 -1.61	101.69 -2.67 -1.66	97.25 -2.64 -1.98	88.74 -2.19 -3.12	98.51 -2.35 -2.84	142.66 -2.61 0.00	142.54 -2.44 -1.53	136.95 -2.37 0.00	133.22 -2.69 -1.12	87.43 -2.05 -4.13	87.74 -2.06 -3.90	83.93 -2.13 -4.10	87.84 -2.33 -3.60	81.63 -2.06 -4.49	93.15 -2.11 -3.32	89.06 -1.71 -5.34	97.57 -1.58 -6.51	94.86 -1.53 -6.46	85.73 -1.38 -5.99	82.66 -1.42 -5.21	78.79 -1.21 -4.49	93.03 -1.65 -3.07	78.18 -1.36 -4.02
S.PERRY__115KV_TB1 80734	107.61 -11.75 -3.01	100.82 -10.64 -3.96	97.14 -9.65 -4.10	93.79 -9.01 -4.88	87.61 -7.90 -7.70	96.21 -8.82 -7.01	131.76 -13.51 0.00	133.73 -13.34 -3.61	129.92 -14.07 -4.67	125.82 -14.56 -5.58	86.25 -8.88 -9.77	85.85 -9.28 -9.22	82.81 -8.85 -9.70	85.74 -9.35 -8.51	81.51 -8.32 -10.63	90.42 -9.38 -7.85	90.04 -8.03 -12.63	99.02 -8.80 -15.19	97.10 -7.91 -15.07	88.04 -7.06 -13.97	87.00 -4.02 -12.15	81.53 -4.46 -10.47	94.04 -5.13 -7.57	81.51 -3.93 -9.92
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	106.32 -12.80 -2.77	99.64 -11.50 -3.64	95.68 -10.78 -3.77	92.12 -10.28 -4.49	85.93 -8.96 -7.08	93.87 -10.59 -6.44	129.44 -15.83 0.00	128.81 -17.36 -2.71	127.13 -16.44 -4.25	122.75 -16.72 -4.66	81.85 -10.84 -7.34	81.75 -11.08 -6.93	78.75 -10.49 -7.28	81.71 -11.25 -6.39	76.88 -10.30 -7.98	85.61 -12.23 -5.90	83.98 -10.94 -9.49	92.11 -11.95 -11.42	90.03 -11.24 -11.34	81.66 -9.98 -10.51	78.63 -9.39 -9.14	73.88 -9.52 -7.88	88.02 -10.53 -6.95	77.23 -7.40 -9.11



SAWYER___23_KV_LOAD 55526	106.32 -12.80 -2.77	99.64 -11.50 -3.64	95.68 -10.78 -3.77	92.12 -10.28 -4.49	85.93 -8.96 -7.08	93.87 -10.59 -6.44	129.44 -15.83 0.00	128.81 -17.36 -2.71	127.13 -16.44 -4.25	122.75 -16.72 -4.66	81.85 -10.84 -6.93	81.75 -11.08 -6.93	78.75 -10.49 -7.28	81.71 -11.25 -6.39	76.88 -10.30 -7.98	85.61 -12.23 -5.90	83.98 -10.94 -9.49	92.11 -11.95 -11.42	90.03 -11.24 -11.34	81.66 -9.98 -10.51	78.63 -9.39 -9.14	73.88 -9.52 -7.88	88.02 -10.53 -6.95	77.23 -7.40 -9.11
SELKIRK___I 23801	142.17 4.89 -20.94	139.52 4.51 -27.51	135.48 4.31 -28.47	135.94 4.11 -33.91	145.00 3.69 -53.51	150.83 4.12 -48.70	200.18 5.96 -48.94	234.88 5.59 -85.83	234.70 5.43 -89.95	193.46 5.25 -53.41	160.40 3.24 -71.80	156.94 3.26 -67.78	156.34 3.11 -71.26	152.49 3.37 -62.55	160.44 3.17 -78.07	152.86 3.22 -57.70	181.25 2.99 -92.83	207.26 3.15 -111.47	203.73 3.15 -110.65	186.52 2.84 -102.55	170.82 2.76 -89.19	155.01 2.64 -76.85	147.46 3.29 -52.56	147.52 3.10 -68.90
SELKIRK___II 23799	142.18 4.66 -21.17	139.61 4.30 -27.81	135.60 4.11 -28.79	136.12 3.92 -34.29	145.42 3.52 -54.10	151.18 3.92 -49.23	203.36 5.66 -52.43	239.25 5.45 -90.34	239.85 5.43 -95.09	195.44 5.40 -55.25	161.36 3.42 -72.59	157.95 3.52 -68.52	157.29 3.28 -72.05	153.36 3.55 -63.23	161.38 3.25 -78.93	153.41 3.13 -58.34	182.10 2.82 -93.85	208.38 3.05 -112.70	204.76 2.96 -111.86	187.48 2.67 -103.68	171.64 2.60 -90.17	155.78 2.57 -77.69	147.95 3.20 -53.14	148.13 2.94 -69.66
SENECA OSWGO___HYD 24041	114.34 -3.38 -1.37	106.18 -3.12 -1.80	101.48 -3.08 -1.87	97.20 -2.93 -2.22	88.68 -2.63 -3.51	98.27 -2.94 -3.19	141.50 -3.78 0.00	141.59 -3.58 -1.71	135.57 -3.76 0.00	132.42 -3.63 -1.26	87.60 -2.39 -4.64	87.88 -2.40 -4.38	84.27 -2.29 -4.61	88.19 -2.42 -4.04	82.11 -2.13 -5.05	93.28 -2.39 -3.73	89.38 -2.05 -6.00	97.81 -2.13 -7.30	95.21 -1.98 -7.25	86.06 -1.79 -6.72	82.98 -1.74 -5.84	78.82 -1.73 -5.04	92.85 -2.20 -3.44	78.22 -1.81 -4.52
SENECA___115KV_TB3 355854	107.37 -11.87 -2.89	100.55 -10.75 -3.80	96.56 -10.06 -3.93	93.00 -9.60 -4.68	86.76 -8.43 -7.39	94.84 -9.90 -6.72	131.91 -13.37 0.00	130.33 -16.07 -2.94	129.71 -14.07 -4.46	124.26 -15.50 -4.96	83.24 -10.07 -7.96	83.28 -10.14 -7.51	80.18 -9.67 -7.90	83.20 -10.30 -6.93	78.26 -9.58 -8.65	87.03 -11.31 -6.39	85.55 -10.17 -10.28	94.00 -11.02 -12.38	91.80 -10.43 -12.29	83.19 -9.33 -11.39	79.95 -8.83 -9.91	75.07 -8.99 -8.54	88.78 -10.08 -7.26	77.93 -7.10 -9.51
SENECA___ENERGY 23797	114.27 -4.30 -2.23	106.56 -3.87 -2.92	102.03 -3.69 -3.03	98.19 -3.33 -3.61	90.77 -2.72 -5.69	99.97 -3.23 -5.18	141.21 -4.07 0.00	141.77 -4.45 -2.76	138.23 -4.32 -3.22	134.13 -4.72 -4.05	89.92 -2.90 -7.47	89.95 -3.01 -7.05	86.51 -2.87 -7.42	90.05 -3.03 -6.51	84.63 -2.69 -8.13	94.92 -3.03 -6.01	92.70 -2.39 -9.66	101.99 -2.50 -11.85	99.46 -2.24 -11.77	90.01 -2.03 -10.90	86.39 -1.97 -9.48	81.50 -2.19 -8.17	94.45 -2.75 -5.59	80.81 -2.04 -7.33
SHOEMAKER___GT 23640	137.53 5.70 -15.49	133.11 5.27 -20.34	128.78 5.03 -21.05	127.79 4.80 -25.08	131.59 4.21 -39.57	138.63 4.61 -36.01	163.46 6.83 -11.36	183.73 6.89 -33.39	177.84 6.96 -31.56	170.48 6.74 -28.94	142.75 4.35 -53.04	140.35 4.38 -50.07	138.78 4.18 -52.65	137.28 4.50 -46.21	140.99 4.12 -57.67	139.62 5.05 -42.63	158.79 4.78 -68.58	180.33 5.37 -82.32	176.87 5.21 -81.72	161.57 4.70 -75.74	149.31 4.57 -65.87	136.65 4.38 -56.75	135.87 5.40 -38.86	130.47 4.00 -50.95
SHOEMAKR_138KV_BK 111 55601	137.32 5.58 -15.39	132.98 5.27 -20.21	128.55 4.93 -20.92	127.54 4.70 -24.92	131.25 4.13 -39.32	138.31 4.51 -35.78	163.40 6.83 -11.29	183.36 6.74 -33.16	177.64 6.97 -31.35	170.29 6.74 -28.75	142.37 4.35 -52.67	140.00 4.38 -49.72	138.50 4.26 -52.28	136.96 4.50 -45.88	140.51 4.04 -57.27	139.33 5.06 -42.33	158.23 4.70 -68.10	179.79 5.28 -81.88	176.25 5.04 -81.27	161.08 4.62 -75.33	148.74 4.42 -65.46	136.22 4.30 -56.40	135.63 5.40 -38.62	130.08 3.93 -50.63
SHOREHAM_IC_1 23715	146.74 13.26 -17.14	142.47 12.46 -22.51	138.00 12.01 -23.30	137.01 11.35 -27.75	141.85 10.27 -43.77	148.35 10.49 -39.84	174.32 16.56 -12.49	195.20 14.92 -36.82	189.81 15.74 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.72 8.52 -58.24	145.91 8.23 -51.11	151.15 8.16 -63.80	150.55 10.48 -48.13	188.58 10.33 -92.82	212.45 11.58 -108.24	204.32 11.42 -102.96	186.17 10.22 -94.82	174.05 9.30 -85.88	154.31 9.52 -69.27	149.24 12.00 -45.64	141.25 9.29 -56.44
SHOREHAM_IC_2 23716	146.74 13.26 -17.14	142.47 12.46 -22.51	138.00 12.01 -23.30	137.01 11.35 -27.75	141.85 10.27 -43.77	148.35 10.49 -39.84	174.32 16.56 -12.49	195.20 14.92 -36.82	189.81 15.74 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.85 7.56 -55.39	148.72 8.52 -58.24	145.91 8.23 -51.11	151.15 8.16 -63.80	150.55 10.48 -48.13	188.58 10.33 -92.82	212.45 11.58 -108.24	204.32 11.42 -102.96	186.17 10.22 -94.82	174.05 9.30 -85.88	154.31 9.52 -69.27	149.24 12.00 -45.64	141.25 9.29 -56.44
SISSONVILLE____ 23735	115.30 -1.05 0.00	106.64 -0.86 0.00	101.87 -0.82 0.00	97.13 -0.78 0.00	87.02 -0.79 0.00	97.24 -0.78 0.00	143.10 -2.18 0.00	141.45 -2.01 0.00	137.09 -2.23 0.00	132.10 -2.70 0.00	83.73 -1.62 0.00	84.19 -1.72 0.00	80.32 -1.64 0.00	84.76 -1.82 0.00	77.53 -1.66 0.00	89.83 -2.11 0.00	83.38 -2.05 0.00	90.41 -2.22 0.00	87.60 -2.34 0.00	79.02 -2.11 0.00	76.58 -2.29 0.00	73.86 -1.66 0.00	89.41 -2.20 0.00	74.24 -1.28 0.00
SITHE_IND_GS1 24169	112.42 -5.00 -1.08	104.30 -4.62 -1.42	99.75 -4.41 -1.46	95.45 -4.21 -1.74	86.87 -3.68 -2.75	96.31 -4.21 -2.51	139.18 -6.10 0.00	138.94 -5.89 -1.37	133.34 -5.99 0.00	130.15 -5.66 -1.00	85.40 -3.67 -3.71	85.72 -3.69 -3.50	82.12 -3.52 -3.68	86.09 -3.72 -3.23	79.83 -3.40 -4.04	91.07 -3.86 -2.98	86.72 -3.51 -4.80	94.65 -3.80 -5.82	92.11 -3.60 -5.77	83.23 -3.25 -5.35	80.37 -3.16 -4.65	76.43 -3.10 -4.01	90.55 -3.76 -2.70	76.04 -3.02 -3.55
SITHE_IND_GS2 24170	112.42 -5.00 -1.08	104.30 -4.62 -1.42	99.75 -4.41 -1.46	95.45 -4.21 -1.74	86.87 -3.68 -2.75	96.31 -4.21 -2.51	139.18 -6.10 0.00	138.94 -5.89 -1.37	133.34 -5.99 0.00	130.15 -5.66 -1.00	85.40 -3.67 -3.71	85.72 -3.69 -3.50	82.12 -3.52 -3.68	86.09 -3.72 -3.23	79.83 -3.40 -4.04	91.07 -3.86 -2.98	86.72 -3.51 -4.80	94.65 -3.80 -5.82	92.11 -3.60 -5.77	83.23 -3.25 -5.35	80.37 -3.16 -4.65	76.43 -3.10 -4.01	90.55 -3.76 -2.70	76.04 -3.02 -3.55
SITHE_IND_GS3 24171	112.42 -5.00 -1.08	104.30 -4.62 -1.42	99.75 -4.41 -1.46	95.45 -4.21 -1.74	86.87 -3.68 -2.75	96.31 -4.21 -2.51	139.18 -6.10 0.00	138.94 -5.89 -1.37	133.34 -5.99 0.00	130.15 -5.66 -1.00	85.40 -3.67 -3.71	85.72 -3.69 -3.50	82.12 -3.52 -3.68	86.09 -3.72 -3.23	79.83 -3.40 -4.04	91.07 -3.86 -2.98	86.72 -3.51 -4.80	94.65 -3.80 -5.82	92.11 -3.60 -5.77	83.23 -3.25 -5.35	80.37 -3.16 -4.65	76.43 -3.10 -4.01	90.55 -3.76 -2.70	76.04 -3.02 -3.55
SITHE_IND_GS4 24172	112.42 -5.00 -1.08	104.30 -4.62 -1.42	99.75 -4.41 -1.46	95.45 -4.21 -1.74	86.87 -3.68 -2.75	96.31 -4.21 -2.51	139.18 -6.10 0.00	138.94 -5.89 -1.37	133.34 -5.99 0.00	130.15 -5.66 -1.00	85.40 -3.67 -3.71	85.72 -3.69 -3.50	82.12 -3.52 -3.68	86.09 -3.72 -3.23	79.83 -3.40 -4.04	91.07 -3.86 -2.98	86.72 -3.51 -4.80	94.65 -3.80 -5.82	92.11 -3.60 -5.77	83.23 -3.25 -5.35	80.37 -3.16 -4.65	76.43 -3.10 -4.01	90.55 -3.76 -2.70	76.04 -3.02 -3.55



SITHE___BATAVIA 24024	108.80 -10.01 -2.46	101.70 -9.03 -3.23	97.62 -8.42 -3.34	94.16 -7.74 -3.98	87.41 -6.68 -6.28	95.99 -7.75 -5.72	133.36 -11.91 0.00	133.99 -12.19 -2.72	130.77 -12.26 -3.71	127.13 -12.00 -4.33	84.69 -8.03 -7.37	84.52 -8.33 -6.95	81.48 -7.79 -7.31	84.59 -8.40 -6.42	79.60 -7.60 -8.01	89.13 -8.74 -5.92	87.10 -7.86 -9.52	95.78 -8.34 -11.48	93.51 -7.83 -11.40	84.63 -7.06 -10.56	81.82 -6.23 -9.19	76.94 -6.50 -7.92	90.73 -7.05 -6.17	78.48 -5.14 -8.09
SITHE___INDEPEND 23800	112.42 -5.00 -1.08	104.29 -4.62 -1.42	99.75 -4.42 -1.46	95.45 -4.21 -1.74	86.87 -3.69 -2.75	96.31 -4.21 -2.51	139.17 -6.10 0.00	138.96 -5.88 -1.38	133.33 -5.99 0.00	130.15 -5.66 -1.01	85.43 -3.67 -3.75	85.75 -3.69 -3.54	82.15 -3.52 -3.72	86.11 -3.72 -3.26	79.87 -3.41 -4.07	91.09 -3.86 -3.01	86.77 -3.50 -4.84	94.60 -3.80 -5.76	92.06 -3.60 -5.72	83.19 -3.25 -5.30	80.45 -3.08 -4.65	76.43 -3.10 -4.01	90.64 -3.66 -2.70	76.04 -3.02 -3.55
SITHE___MASSENA 23902	116.46 0.12 0.00	107.72 0.22 0.00	103.01 0.31 0.00	98.11 0.20 0.00	87.89 0.09 0.00	98.41 0.39 0.00	144.98 -0.29 0.00	143.31 -0.14 0.00	139.18 -0.14 0.00	134.26 -0.54 0.00	85.10 -0.26 0.00	85.65 -0.26 0.00	81.71 -0.25 0.00	86.31 -0.26 0.00	78.96 -0.24 0.00	91.49 -0.46 0.00	84.92 -0.51 0.00	91.99 -0.64 0.00	89.13 -0.81 0.00	80.40 -0.73 0.00	78.00 -0.87 0.00	75.07 -0.45 0.00	90.87 -0.74 0.00	75.22 -0.30 0.00
SITHE___OGDNSBRG 24021	118.09 1.75 0.00	109.11 1.61 0.00	104.34 1.64 0.00	99.38 1.47 0.00	89.12 1.32 0.00	99.78 1.76 0.00	147.16 1.89 0.00	145.47 2.01 0.00	141.13 1.81 0.00	135.88 1.08 0.00	85.95 0.60 0.00	86.42 0.52 0.00	82.37 0.41 0.00	87.09 0.52 0.00	79.67 0.48 0.00	92.40 0.46 0.00	85.94 0.51 0.00	93.19 0.56 0.00	90.30 0.36 0.00	81.37 0.24 0.00	78.95 0.08 0.00	76.05 0.53 0.00	91.79 0.18 0.00	76.12 0.60 0.00
SITHE___STERLING 23777	120.71 3.38 -0.99	111.80 3.01 -1.29	106.81 2.77 -1.34	102.15 2.64 -1.60	92.78 2.46 -2.52	103.25 2.94 -2.29	150.65 5.38 0.00	149.69 5.02 -1.22	144.33 5.01 0.00	139.87 4.18 -0.89	91.04 2.39 -3.30	91.42 2.40 -3.11	87.36 2.13 -3.27	91.69 2.25 -2.87	84.92 2.14 -3.59	97.35 2.76 -2.65	92.35 2.65 -4.27	100.93 3.05 -5.24	98.02 2.88 -5.20	88.55 2.60 -4.82	85.51 2.45 -4.19	81.33 2.19 -3.61	96.45 2.38 -2.47	80.87 2.11 -3.24
SLEIGHT__34_KV_TB1 80719	113.41 -5.00 -2.07	105.59 -4.62 -2.71	101.09 -4.42 -2.81	97.25 -4.01 -3.35	89.57 -3.51 -5.28	98.90 -3.92 -4.80	139.17 -6.10 0.00	140.84 -5.31 -2.69	133.33 -5.99 0.00	131.38 -5.39 -1.97	89.14 -3.50 -7.28	89.08 -3.69 -6.87	85.75 -3.44 -7.23	89.28 -3.64 -6.34	83.87 -3.25 -7.92	94.12 -3.68 -5.85	91.60 -3.25 -9.42	100.29 -3.52 -11.17	97.79 -3.24 -11.09	88.57 -2.84 -10.28	85.31 -2.60 -9.05	80.44 -2.87 -7.79	93.49 -3.30 -5.18	79.75 -2.57 -6.80
SOUTH CAIRO___GT 23612	145.60 9.07 -20.18	142.39 8.39 -26.51	138.25 8.11 -27.44	138.33 7.74 -32.68	146.22 6.85 -51.57	153.28 8.33 -46.93	204.32 12.20 -46.84	237.65 11.91 -82.29	237.40 11.84 -86.24	196.63 10.51 -51.32	160.69 6.23 -69.11	157.07 5.93 -65.24	155.96 5.41 -68.59	152.75 5.97 -60.20	160.05 5.70 -75.15	153.83 6.34 -55.54	180.85 6.07 -89.35	207.08 7.04 -107.40	203.20 6.66 -106.61	186.03 6.08 -98.81	170.60 5.84 -85.89	155.04 5.51 -74.00	148.57 6.32 -50.65	147.21 5.29 -66.40
SOUTH HAMPTN___IC 23720	147.67 14.19 -17.14	143.33 13.33 -22.51	138.83 12.84 -23.30	137.90 12.24 -27.75	142.64 11.06 -43.77	149.42 11.56 -39.84	175.92 18.16 -12.48	197.20 16.92 -36.82	191.62 17.55 -34.75	180.51 13.76 -31.95	152.56 8.53 -58.67	149.88 8.59 -55.39	149.62 9.42 -58.24	147.04 9.35 -51.11	152.02 9.03 -63.80	151.75 11.68 -48.13	189.75 11.53 -92.79	213.64 12.79 -108.21	205.47 12.59 -102.94	187.20 11.27 -94.80	174.97 10.25 -85.85	154.95 10.19 -69.24	149.97 12.73 -45.64	141.85 9.89 -56.44
SOUTHDOW_115KV_TB1 355954	111.55 -7.91 -3.12	104.39 -7.20 -4.09	100.26 -6.68 -4.23	96.40 -6.56 -5.04	89.97 -5.80 -7.96	98.50 -6.76 -7.24	138.74 -6.54 0.00	135.98 -10.76 -3.28	136.65 -7.52 -4.85	130.01 -10.24 -5.45	87.31 -6.91 -8.87	87.41 -6.87 -8.38	84.05 -6.72 -8.81	87.12 -7.19 -7.73	81.72 -7.13 -9.65	90.80 -8.27 -7.13	89.47 -7.43 -11.47	98.58 -7.87 -13.82	96.19 -7.46 -13.72	87.03 -6.81 -12.71	83.37 -6.55 -11.05	78.17 -6.87 -9.52	91.45 -7.97 -7.82	80.41 -5.36 -10.25
SOUTHOLD_69_KV_BK 2 55809	148.84 15.36 -17.14	144.52 14.51 -22.51	139.96 13.97 -23.30	139.17 13.51 -27.75	143.96 12.38 -43.77	151.68 13.82 -39.84	178.68 20.92 -12.48	200.64 20.37 -36.81	194.27 20.20 -34.75	183.46 16.72 -31.94	154.23 10.24 -58.64	151.82 10.57 -55.35	151.22 11.06 -58.20	148.73 11.08 -51.08	153.64 10.69 -63.76	153.74 13.70 -48.10	191.59 13.41 -92.74	215.64 14.73 -108.27	207.33 14.39 -103.01	188.72 12.74 -94.86	176.16 11.44 -85.85	155.94 11.18 -69.24	150.98 13.74 -45.64	142.69 10.72 -56.44
SOUTHOLD___IC 23719	148.84 15.36 -17.14	144.51 14.51 -22.51	140.06 14.07 -23.30	139.18 13.52 -27.75	143.96 12.38 -43.77	150.89 13.04 -39.84	178.68 20.92 -12.48	199.94 19.66 -36.82	194.26 20.20 -34.75	183.05 16.30 -31.95	154.01 9.98 -58.67	151.34 10.05 -55.39	150.93 10.73 -58.24	148.42 10.37 -51.11	153.37 10.37 -63.80	153.40 13.33 -48.13	191.47 13.24 -92.79	215.58 14.73 -108.21	207.36 14.48 -102.94	188.74 12.81 -94.80	176.32 11.60 -85.85	156.02 11.25 -69.24	150.98 13.74 -45.64	142.68 10.72 -56.44
SOUTH_FORK_WT_PWR 323839	148.38 14.90 -17.14	144.20 14.19 -22.51	139.76 13.77 -23.30	138.98 13.31 -27.75	143.78 12.20 -43.77	150.79 12.94 -39.84	178.53 20.77 -12.48	199.94 19.66 -36.82	194.26 20.20 -34.75	183.05 16.30 -31.95	154.09 10.07 -58.67	151.42 10.13 -55.39	151.10 10.90 -58.24	148.51 10.82 -51.11	153.45 10.45 -63.80	153.50 13.42 -48.13	191.55 13.32 -92.79	215.58 14.73 -108.21	207.36 14.48 -102.94	188.67 12.74 -94.80	176.16 11.43 -85.85	155.79 11.03 -69.24	150.71 13.47 -45.64	142.46 10.49 -56.44
SPIERFLS_115KV_TB 1 80737	145.77 7.45 -21.98	143.14 6.77 -28.86	139.25 6.68 -29.88	139.77 6.27 -35.59	149.84 5.88 -56.15	156.08 6.96 -51.10	279.60 10.46 -123.86	331.79 10.47 -177.86	346.49 10.45 -196.72	231.44 9.71 -86.94	166.38 5.72 -75.31	162.49 5.50 -71.09	161.95 5.25 -74.75	155.73 3.55 -65.60	164.57 3.48 -81.89	156.97 4.51 -60.52	187.50 4.70 -97.37	214.86 5.19 -117.04	211.24 5.13 -116.18	193.27 4.46 -107.68	176.57 4.10 -93.59	159.71 3.55 -80.64	150.70 3.94 -55.15	150.62 2.79 -72.31
ST LAWRENCE____ 23600	115.65 -0.69 0.00	106.86 -0.64 0.00	102.19 -0.51 0.00	97.43 -0.49 0.00	87.28 -0.52 0.00	97.53 -0.49 0.00	143.96 -1.31 0.00	142.30 -1.15 0.00	138.20 -1.12 0.00	133.45 -1.35 0.00	84.58 -0.77 0.00	85.13 -0.77 0.00	81.22 -0.74 0.00	85.79 -0.78 0.00	78.48 -0.71 0.00	90.93 -1.01 0.00	84.41 -1.02 0.00	91.43 -1.21 0.00	88.68 -1.26 0.00	79.99 -1.14 0.00	77.69 -1.18 0.00	74.62 -0.90 0.00	90.32 -1.28 0.00	74.69 -0.83 0.00
STATE_CA_115KV_115_LB 55624	143.52 5.70 -21.48	140.86 5.16 -28.20	136.92 5.03 -29.20	137.49 4.80 -34.77	146.97 4.30 -54.87	152.75 4.80 -49.93	235.02 6.97 -82.78	277.66 6.74 -127.46	284.37 6.83 -138.22	210.18 6.74 -68.64	163.29 4.35 -73.58	159.75 4.38 -69.46	159.18 4.18 -73.04	155.17 4.50 -64.10	163.33 4.12 -80.01	154.76 3.68 -59.14	183.90 3.33 -95.14	210.51 3.52 -114.35	206.86 3.42 -113.51	189.34 3.00 -105.21	173.24 2.92 -91.45	157.18 2.87 -78.79	149.07 3.57 -53.89	149.80 3.62 -70.65



STATE_ST_34_KV_LOAD 55959	116.90 -1.63 -2.19	108.87 -1.51 -2.87	104.13 -1.54 -2.97	100.08 -1.37 -3.54	92.16 -1.23 -5.59	101.83 -1.27 -5.08	144.40 -0.87 0.00	145.08 -1.15 -2.77	138.07 -1.25 0.00	135.34 -1.48 -2.03	91.82 -1.02 -7.49	91.86 -1.12 -7.07	88.25 -1.15 -7.44	91.97 -1.13 -6.53	86.39 -0.95 -8.15	97.05 -0.92 -6.02	94.52 -0.60 -9.69	103.52 -0.37 -11.26	100.93 -0.18 -11.18	91.32 -0.16 -10.36	88.02 -0.16 -9.31	83.09 -0.45 -8.02	96.36 -0.73 -5.49	82.11 -0.60 -7.19
STATION_5_MISC_HYD 23604	111.26 -7.21 -2.13	103.74 -6.56 -2.80	99.43 -6.16 -2.90	95.68 -5.68 -3.45	88.42 -4.83 -5.44	97.28 -5.69 -4.95	135.54 -9.73 0.00	137.63 -8.60 -2.77	129.84 -9.48 0.00	128.47 -8.36 -2.03	87.32 -5.55 -7.51	87.32 -5.67 -7.09	84.09 -5.33 -7.45	87.31 -5.80 -6.54	82.22 -5.15 -8.17	91.91 -6.07 -6.03	89.67 -5.47 -9.71	98.51 -5.83 -11.71	96.16 -5.39 -11.62	87.11 -4.79 -10.77	83.90 -4.34 -9.37	79.06 -4.53 -8.07	92.00 -4.95 -5.35	78.90 -3.62 -7.01
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	113.82 -4.65 -2.12	106.10 -4.19 -2.79	101.58 -4.01 -2.89	97.83 -3.52 -3.44	90.25 -2.99 -5.43	99.53 -3.43 -4.94	139.90 -5.38 0.00	141.32 -4.88 -2.74	134.03 -5.29 0.00	131.82 -4.99 -2.01	89.53 -3.24 -7.42	89.48 -3.44 -7.01	86.13 -3.20 -7.37	89.58 -3.46 -6.47	84.26 -3.01 -8.07	94.51 -3.40 -5.97	92.04 -2.99 -9.60	100.93 -3.15 -11.45	98.42 -2.88 -11.36	89.15 -2.51 -10.53	85.89 -2.21 -9.22	80.90 -2.57 -7.95	94.10 -2.84 -5.33	80.40 -2.11 -6.99
STA_56_34_KV_BUS2_REV_LBMP_B 345033	111.13 -7.33 -2.11	103.61 -6.67 -2.77	99.30 -6.26 -2.87	95.56 -5.78 -3.42	88.19 -5.00 -5.39	97.14 -5.78 -4.91	135.54 -9.73 0.00	137.46 -8.75 -2.75	129.85 -9.47 0.00	128.32 -8.49 -2.01	87.25 -5.55 -7.45	87.18 -5.76 -7.03	83.94 -5.41 -7.39	87.26 -5.80 -6.49	82.15 -5.15 -8.10	91.86 -6.07 -5.99	89.60 -5.47 -9.63	98.31 -5.84 -11.51	95.88 -5.49 -11.43	86.93 -4.79 -10.59	83.79 -4.34 -9.25	78.89 -4.61 -7.97	91.86 -5.04 -5.30	78.61 -3.85 -6.95
STA_56___34_KV_BUS2 355983	111.13 -7.33 -2.11	103.61 -6.67 -2.77	99.30 -6.26 -2.87	95.56 -5.78 -3.42	88.19 -5.00 -5.39	97.14 -5.78 -4.91	135.54 -9.73 0.00	137.46 -8.75 -2.75	129.85 -9.47 0.00	128.32 -8.49 -2.01	87.25 -5.55 -7.45	87.18 -5.76 -7.03	83.94 -5.41 -7.39	87.26 -5.80 -6.49	82.15 -5.15 -8.10	91.86 -6.07 -5.99	89.60 -5.47 -9.63	98.31 -5.84 -11.51	95.88 -5.49 -11.43	86.93 -4.79 -10.59	83.79 -4.34 -9.25	78.89 -4.61 -7.97	91.86 -5.04 -5.30	78.61 -3.85 -6.95
STA_67___115KV_BK2 355882	111.14 -7.33 -2.13	103.63 -6.67 -2.79	99.32 -6.26 -2.89	95.58 -5.78 -3.45	88.24 -5.00 -5.44	97.18 -5.78 -4.95	135.25 -10.02 0.00	137.35 -8.89 -2.78	129.57 -9.75 0.00	128.08 -8.76 -2.04	87.17 -5.72 -7.54	87.09 -5.93 -7.12	83.87 -5.57 -7.48	87.17 -5.97 -6.57	82.09 -5.31 -8.20	91.66 -6.34 -6.06	89.54 -5.64 -9.75	98.18 -6.11 -11.66	95.85 -5.67 -11.58	86.91 -4.95 -10.73	83.82 -4.42 -9.37	78.83 -4.76 -8.07	91.81 -5.13 -5.34	78.74 -3.78 -7.00
STA_7___115KV_9TRANS 80674	111.61 -6.86 -2.13	104.06 -6.24 -2.80	99.74 -5.85 -2.90	95.98 -5.39 -3.45	88.77 -4.48 -5.44	97.58 -5.39 -4.95	136.12 -9.15 0.00	138.21 -8.03 -2.78	130.41 -8.92 0.00	129.02 -7.82 -2.04	87.77 -5.12 -7.54	87.78 -5.24 -7.12	84.53 -4.92 -7.48	87.86 -5.28 -6.57	82.72 -4.67 -8.20	92.49 -5.52 -6.06	90.23 -4.96 -9.75	98.92 -5.37 -11.66	96.56 -4.95 -11.57	87.56 -4.30 -10.73	84.53 -3.71 -9.37	79.44 -4.15 -8.07	92.55 -4.40 -5.35	79.21 -3.32 -7.01
STA_82___115KV_TB1 80780	111.16 -7.33 -2.14	103.65 -6.67 -2.81	99.34 -6.26 -2.91	95.60 -5.78 -3.47	88.27 -5.00 -5.47	97.21 -5.78 -4.98	135.40 -9.88 0.00	137.35 -8.89 -2.78	129.57 -9.75 0.00	128.07 -8.76 -2.04	87.17 -5.72 -7.53	87.09 -5.93 -7.11	83.86 -5.57 -7.48	87.16 -5.97 -6.56	82.08 -5.31 -8.19	91.65 -6.34 -6.05	89.53 -5.64 -9.74	98.17 -6.11 -11.65	95.84 -5.67 -11.57	86.90 -4.95 -10.72	83.81 -4.42 -9.36	78.83 -4.76 -8.07	91.85 -5.13 -5.37	78.79 -3.78 -7.04
STEEL___WIND 323596	107.13 -12.10 -2.89	100.45 -10.85 -3.80	96.46 -10.17 -3.93	92.90 -9.70 -4.68	86.76 -8.43 -7.39	94.74 -10.00 -6.72	131.91 -13.36 0.00	130.19 -16.21 -2.94	129.57 -14.21 -4.46	124.26 -15.50 -4.96	83.15 -10.16 -7.96	83.10 -10.31 -7.51	80.10 -9.75 -7.90	83.03 -10.48 -6.93	78.10 -9.74 -8.65	86.93 -11.40 -6.39	85.38 -10.34 -10.28	93.90 -11.12 -12.38	91.71 -10.52 -12.29	83.03 -9.49 -11.39	79.79 -8.99 -9.91	75.07 -8.99 -8.54	88.78 -10.08 -7.26	77.86 -7.18 -9.51
STEPHTWN_115KV_BK_2 55603	144.23 6.63 -21.25	141.44 6.02 -27.91	137.45 5.85 -28.90	137.91 5.58 -34.42	147.20 5.09 -54.30	153.22 5.78 -49.42	219.69 8.43 -65.99	258.48 8.18 -106.85	261.87 8.22 -114.32	203.90 7.95 -61.15	163.30 5.12 -72.83	159.72 5.07 -68.75	159.00 4.75 -72.29	155.21 5.19 -63.44	163.22 4.83 -79.19	154.98 4.51 -58.53	183.78 4.19 -94.16	210.35 4.54 -113.18	206.68 4.41 -112.34	189.23 3.98 -104.12	173.16 3.79 -90.51	157.13 3.62 -77.98	149.34 4.40 -53.34	149.67 4.23 -69.92
STEUBEN_REC_LFGE 323667	115.16 -5.00 -3.81	108.00 -4.52 -5.01	103.57 -4.31 -5.19	100.08 -4.01 -6.18	94.13 -3.42 -9.75	102.87 -4.02 -8.87	145.21 -3.34 -3.28	145.79 -6.17 -8.50	142.80 -5.02 -8.49	134.50 -7.41 -7.12	92.93 -4.61 -12.19	92.60 -4.81 -11.51	89.39 -4.67 -12.10	92.26 -4.93 -10.62	87.86 -4.59 -13.25	96.59 -5.15 -9.80	96.83 -4.36 -15.76	106.99 -4.63 -18.99	104.56 -4.23 -18.85	94.79 -3.81 -17.47	90.32 -3.71 -15.16	84.50 -4.08 -13.06	96.14 -5.04 -9.57	84.75 -3.32 -12.55
STILLWATER___SOLAR 323814	145.19 6.98 -21.87	142.67 6.45 -28.72	138.59 6.16 -29.73	139.20 5.87 -35.41	149.03 5.36 -55.87	155.14 6.28 -50.84	273.56 9.44 -118.85	324.31 9.19 -171.66	337.94 9.05 -189.57	228.10 8.63 -84.66	165.44 5.12 -74.97	161.65 4.98 -70.77	161.12 4.75 -74.41	156.38 4.50 -65.30	165.07 4.35 -81.51	157.52 5.33 -60.25	187.66 5.30 -96.93	214.95 5.93 -116.38	211.22 5.76 -115.52	193.32 5.11 -107.07	176.72 4.73 -93.12	160.06 4.30 -80.23	151.61 5.13 -54.87	151.39 3.92 -71.94
STONY___BROOK 24151	145.70 12.21 -17.14	141.52 11.51 -22.51	137.09 11.09 -23.30	136.14 10.48 -27.75	140.98 9.40 -43.77	147.17 9.32 -39.84	172.29 14.53 -12.49	194.20 13.91 -36.83	188.14 14.07 -34.75	178.20 11.45 -31.95	151.37 7.34 -58.67	148.68 7.39 -55.39	148.14 7.95 -58.24	145.82 8.14 -51.11	150.52 7.53 -63.80	150.10 10.02 -48.13	188.04 9.74 -92.87	211.40 10.46 -108.29	203.28 10.34 -103.00	185.47 9.49 -94.86	173.56 8.75 -85.94	153.45 8.61 -69.33	148.24 10.99 -45.65	140.57 8.61 -56.44
STURGEON_POOL_HYD 23609	143.69 10.01 -17.34	139.73 9.46 -22.77	135.21 8.93 -23.57	134.51 8.52 -28.08	139.57 7.46 -44.30	146.86 8.53 -40.32	178.51 12.78 -20.45	203.10 12.91 -46.73	198.77 13.24 -46.21	183.01 12.54 -35.67	152.48 7.77 -59.36	149.75 7.82 -56.03	148.17 7.29 -58.92	146.16 7.88 -51.71	150.95 7.21 -64.54	148.75 9.10 -47.70	170.81 8.63 -76.75	194.63 9.73 -92.26	190.78 9.26 -91.58	174.53 8.52 -84.88	160.84 8.20 -73.77	146.94 7.85 -63.56	144.65 9.53 -43.51	139.44 6.87 -57.05
ST_LAW_115_BK7_LBMP 345037	115.54 -0.81 0.00	106.86 -0.64 0.00	102.19 -0.51 0.00	97.33 -0.58 0.00	87.20 -0.61 0.00	97.53 -0.49 0.00	143.96 -1.31 0.00	142.16 -1.29 0.00	138.07 -1.26 0.00	133.45 -1.35 0.00	84.58 -0.77 0.00	85.13 -0.77 0.00	81.22 -0.74 0.00	85.79 -0.78 0.00	78.41 -0.79 0.00	90.84 -1.10 0.00	84.32 -1.11 0.00	91.34 -1.30 0.00	88.59 -1.35 0.00	79.91 -1.21 0.00	77.61 -1.26 0.00	74.54 -0.98 0.00	90.23 -1.37 0.00	74.62 -0.90 0.00



ST_LAW_115_BK8_LBMP 345038	115.54 -0.81 0.00	106.86 -0.64 0.00	102.19 -0.51 0.00	97.33 -0.58 0.00	87.20 -0.61 0.00	97.53 -0.49 0.00	143.96 -1.31 0.00	142.16 -1.29 0.00	138.07 -1.26 0.00	133.45 -1.35 0.00	84.58 -0.77 0.00	85.13 -0.77 0.00	81.22 -0.74 0.00	85.79 -0.78 0.00	78.41 -0.79 0.00	90.84 -1.10 0.00	84.32 -1.11 0.00	91.34 -1.30 0.00	88.59 -1.35 0.00	79.91 -1.21 0.00	77.61 -1.26 0.00	74.54 -0.98 0.00	90.23 -1.37 0.00	74.62 -0.90 0.00
ST_LAW_230_BK5_LBMP 345035	115.65 -0.69 0.00	106.86 -0.64 0.00	102.19 -0.51 0.00	97.43 -0.49 0.00	87.28 -0.52 0.00	97.53 -0.49 0.00	143.96 -1.31 0.00	142.30 -1.15 0.00	138.20 -1.12 0.00	133.45 -1.35 0.00	84.58 -0.77 0.00	85.13 -0.77 0.00	81.22 -0.74 0.00	85.79 -0.78 0.00	78.48 -0.71 0.00	90.93 -1.01 0.00	84.41 -1.02 0.00	91.43 -1.21 0.00	88.68 -1.26 0.00	79.99 -1.14 0.00	77.69 -1.18 0.00	74.62 -0.90 0.00	90.32 -1.28 0.00	74.69 -0.83 0.00
ST_LAW_230_BK6_LBMP 345036	115.65 -0.69 0.00	106.86 -0.64 0.00	102.19 -0.51 0.00	97.43 -0.49 0.00	87.28 -0.52 0.00	97.53 -0.49 0.00	143.96 -1.31 0.00	142.30 -1.15 0.00	138.20 -1.12 0.00	133.45 -1.35 0.00	84.58 -0.77 0.00	85.13 -0.77 0.00	81.22 -0.74 0.00	85.79 -0.78 0.00	78.48 -0.71 0.00	90.93 -1.01 0.00	84.41 -1.02 0.00	91.43 -1.21 0.00	88.68 -1.26 0.00	79.99 -1.14 0.00	77.69 -1.18 0.00	74.62 -0.90 0.00	90.32 -1.28 0.00	74.69 -0.83 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	138.20 6.05 -15.81	133.96 5.70 -20.76	129.53 5.34 -21.49	128.60 5.09 -25.60	132.76 4.57 -40.39	139.68 4.90 -36.75	164.32 7.41 -11.63	185.00 7.46 -34.09	179.22 7.66 -32.23	171.89 7.55 -29.54	144.24 4.78 -54.10	141.87 4.90 -51.07	140.41 4.75 -53.70	138.72 5.02 -47.13	142.54 4.51 -58.83	140.94 5.52 -43.48	160.59 5.21 -69.95	182.58 5.84 -84.10	178.99 5.58 -83.48	163.53 5.03 -77.38	150.92 4.81 -67.24	138.14 4.68 -57.94	137.14 5.86 -39.67	131.83 4.30 -52.01
SWANROAD_115KV_TB1 355699	103.31 -15.71 -2.67	96.71 -14.30 -3.50	92.97 -13.35 -3.63	89.60 -12.63 -4.32	83.56 -11.06 -6.82	91.29 -12.94 -6.20	125.23 -20.05 0.00	125.19 -20.94 -2.68	122.64 -20.76 -4.07	118.97 -20.35 -4.53	79.54 -13.06 -7.25	79.43 -13.32 -6.84	76.53 -12.62 -7.19	79.38 -13.51 -6.31	74.80 -12.28 -7.88	83.15 -14.62 -5.82	81.64 -13.16 -9.37	89.54 -14.36 -11.27	87.54 -13.58 -11.18	79.49 -12.01 -10.37	76.62 -11.28 -9.03	71.97 -11.33 -7.78	85.75 -12.55 -6.70	75.24 -9.06 -8.78
SYNERGY___BIOGAS 323694	108.80 -10.01 -2.46	101.70 -9.03 -3.23	97.62 -8.42 -3.34	94.16 -7.74 -3.98	87.41 -6.68 -6.28	95.99 -7.75 -5.72	133.36 -11.91 0.00	133.99 -12.19 -2.72	130.77 -12.26 -3.71	127.13 -12.00 -4.33	84.69 -8.03 -7.37	84.52 -8.33 -6.95	81.48 -7.79 -7.31	84.59 -8.40 -6.42	79.60 -7.60 -8.01	89.13 -8.74 -5.92	87.10 -7.86 -9.52	95.78 -8.34 -11.48	93.51 -7.83 -11.40	84.63 -7.06 -10.56	81.82 -6.23 -9.19	76.94 -6.50 -7.92	90.73 -7.05 -6.17	78.48 -5.14 -8.09
SYRACUSE___ENERGY_ST1 323597	115.65 -2.44 -1.75	107.33 -2.47 -2.30	102.61 -2.46 -2.38	98.40 -2.35 -2.84	90.17 -2.11 -4.47	99.74 -2.35 -4.07	142.37 -2.91 0.00	142.95 -2.73 -2.22	136.40 -2.93 0.00	133.46 -2.97 -1.62	89.48 -1.88 -6.00	89.68 -1.89 -5.66	86.11 -1.80 -5.96	89.90 -1.90 -5.23	84.06 -1.66 -6.53	94.93 -1.84 -4.82	91.65 -1.54 -7.76	100.21 -1.57 -9.15	97.58 -1.44 -9.08	88.25 -1.30 -8.42	85.07 -1.26 -7.46	80.59 -1.36 -6.43	94.26 -1.74 -4.39	79.85 -1.43 -5.76
SYRACUSE___ENERGY_ST2 323598	115.65 -2.44 -1.75	107.33 -2.47 -2.30	102.61 -2.46 -2.38	98.40 -2.35 -2.84	90.17 -2.11 -4.47	99.74 -2.35 -4.07	142.37 -2.91 0.00	142.95 -2.73 -2.22	136.40 -2.93 0.00	133.46 -2.97 -1.62	89.48 -1.88 -6.00	89.68 -1.89 -5.66	86.11 -1.80 -5.96	89.90 -1.90 -5.23	84.06 -1.66 -6.53	94.93 -1.84 -4.82	91.65 -1.54 -7.76	100.21 -1.57 -9.15	97.58 -1.44 -9.08	88.25 -1.30 -8.42	85.07 -1.26 -7.46	80.59 -1.36 -6.43	94.26 -1.74 -4.39	79.85 -1.43 -5.76
SYRACUSE___POWER 24017	115.96 -2.21 -1.83	107.75 -2.15 -2.40	103.03 -2.16 -2.49	98.92 -1.96 -2.96	90.72 -1.76 -4.67	100.31 -1.96 -4.25	143.10 -2.18 0.00	143.48 -2.30 -2.31	136.95 -2.37 0.00	134.07 -2.43 -1.70	90.08 -1.54 -6.27	90.27 -1.55 -5.91	86.62 -1.56 -6.22	90.47 -1.56 -5.46	84.58 -1.43 -6.81	95.51 -1.47 -5.04	92.25 -1.28 -8.10	100.87 -1.30 -9.53	98.23 -1.17 -9.46	88.92 -0.97 -8.77	85.63 -1.03 -7.79	81.10 -1.13 -6.71	94.82 -1.37 -4.59	80.40 -1.13 -6.02
TALLMAN___138KV_BK151 55660	139.08 6.28 -16.45	135.02 5.91 -21.61	130.61 5.55 -22.37	129.94 5.39 -26.64	134.59 4.74 -42.04	141.28 5.00 -38.26	164.82 7.55 -11.99	186.59 7.75 -35.38	180.69 7.94 -33.42	173.32 7.82 -30.71	146.79 5.12 -56.32	144.31 5.24 -53.16	142.86 5.00 -55.90	140.91 5.28 -49.06	145.19 4.75 -61.24	143.00 5.79 -45.26	163.72 5.47 -72.82	186.20 6.02 -87.54	182.59 5.76 -86.90	166.94 5.27 -80.54	153.91 5.05 -69.99	140.74 4.91 -60.31	139.12 6.23 -41.29	134.26 4.61 -54.13
TEALLAVE_115KV_TB7 355573	115.20 -2.68 -1.53	106.93 -2.58 -2.01	102.21 -2.57 -2.08	98.04 -2.35 -2.47	89.60 -2.11 -3.90	99.22 -2.35 -3.55	142.37 -2.91 0.00	142.52 -2.87 -1.93	136.40 -2.93 0.00	133.38 -2.83 -1.42	88.71 -1.88 -5.23	88.95 -1.89 -4.94	85.27 -1.89 -5.19	89.23 -1.90 -4.56	83.15 -1.74 -5.69	94.22 -1.93 -4.21	90.57 -1.62 -6.77	98.88 -1.76 -8.00	96.26 -1.62 -7.94	87.11 -1.38 -7.36	84.03 -1.34 -6.50	79.69 -1.43 -5.60	93.61 -1.83 -3.83	79.11 -1.43 -5.02
TELGRAPH_34_KV_EAST 80808	106.32 -12.57 -2.54	99.55 -11.29 -3.33	95.57 -10.58 -3.45	92.13 -9.89 -4.11	85.68 -8.60 -6.48	93.82 -10.10 -5.90	129.73 -15.54 0.00	130.11 -16.07 -2.72	127.14 -16.02 -3.84	123.57 -15.64 -4.41	82.54 -10.16 -7.35	82.36 -10.48 -6.94	79.42 -9.84 -7.29	82.41 -10.56 -6.40	77.60 -9.58 -7.99	86.45 -11.40 -5.91	84.77 -10.17 -9.50	93.02 -11.02 -11.41	90.83 -10.43 -11.32	82.38 -9.25 -10.50	79.50 -8.52 -9.15	74.64 -8.76 -7.88	88.26 -9.71 -6.37	77.07 -6.80 -8.35
TEMPLE___115KV_TB 2 55572	115.22 -2.68 -1.55	106.96 -2.58 -2.03	102.34 -2.46 -2.11	98.07 -2.35 -2.51	89.74 -2.02 -3.96	99.37 -2.25 -3.60	142.37 -2.91 0.00	142.55 -2.87 -1.96	136.54 -2.79 0.00	133.40 -2.83 -1.44	88.78 -1.88 -5.31	89.02 -1.89 -5.01	85.42 -1.80 -5.27	89.38 -1.82 -4.62	83.30 -1.66 -5.77	94.37 -1.84 -4.26	90.67 -1.62 -6.86	99.08 -1.67 -8.12	96.46 -1.53 -8.06	87.22 -1.38 -7.47	84.12 -1.34 -6.59	79.77 -1.43 -5.68	93.75 -1.74 -3.89	79.18 -1.43 -5.09
TIANA____69_KV_BK 1 55817	147.44 13.96 -17.14	143.12 13.12 -22.51	138.42 12.43 -23.30	137.61 11.95 -27.75	142.38 10.80 -43.77	149.91 12.06 -39.84	175.48 17.72 -12.48	197.34 17.07 -36.81	191.07 17.00 -34.75	180.49 13.75 -31.94	152.44 8.45 -58.64	150.10 8.85 -55.35	149.58 9.43 -58.20	147.00 9.35 -51.08	152.06 9.11 -63.76	151.72 11.68 -48.10	189.53 11.36 -92.74	213.32 12.41 -108.27	205.08 12.14 -103.01	186.86 10.87 -94.86	174.58 9.86 -85.85	154.73 9.97 -69.24	149.70 12.46 -45.64	141.63 9.67 -56.44
TILDEN___115KV_TB1 80814	115.96 -2.21 -1.83	107.75 -2.15 -2.40	103.03 -2.16 -2.49	98.92 -1.96 -2.96	90.72 -1.76 -4.67	100.31 -1.96 -4.25	143.10 -2.18 0.00	143.48 -2.30 -2.31	136.95 -2.37 0.00	134.07 -2.43 -1.70	90.08 -1.54 -6.27	90.27 -1.55 -5.91	86.62 -1.56 -6.22	90.47 -1.56 -5.46	84.58 -1.43 -6.81	95.51 -1.47 -5.04	92.25 -1.28 -8.10	100.87 -1.30 -9.53	98.23 -1.17 -9.46	88.92 -0.97 -8.77	85.63 -1.03 -7.79	81.10 -1.13 -6.71	94.82 -1.37 -4.59	80.40 -1.13 -6.02



TRIGEN___CC 323695	142.68 9.19 -17.15	138.72 8.71 -22.51	134.32 8.32 -23.31	133.70 8.03 -27.76	138.61 7.02 -43.78	145.31 7.45 -39.85	168.53 10.75 -12.51	190.74 10.47 -36.81	184.66 10.59 -34.75	176.58 9.84 -31.94	150.39 6.40 -58.64	147.95 6.70 -55.35	146.88 6.72 -58.20	144.75 7.10 -51.08	149.21 6.26 -63.76	148.61 7.82 -48.85	198.58 7.43 -105.72	222.01 7.97 -121.41	210.28 7.73 -112.61	191.48 7.06 -103.29	184.72 6.55 -99.30	163.67 6.49 -81.65	147.80 8.52 -47.67	138.68 6.65 -56.51
TRINITY___115KV___4 BK 55933	143.00 5.35 -21.30	140.42 4.95 -27.97	136.38 4.72 -28.96	136.91 4.50 -34.49	146.26 4.04 -54.42	152.05 4.51 -49.52	220.33 6.54 -68.52	259.60 6.17 -109.97	263.53 6.27 -117.94	203.30 6.20 -62.30	162.43 4.10 -72.98	158.92 4.12 -68.89	158.25 3.85 -72.44	154.31 4.16 -63.58	162.36 3.80 -79.36	154.00 3.40 -58.65	182.79 2.99 -94.36	209.30 3.24 -113.42	205.58 3.06 -112.58	188.24 2.76 -104.35	172.25 2.68 -90.70	156.32 2.64 -78.15	148.35 3.30 -53.45	148.99 3.40 -70.08
UNION___PROCESSING_DRP 323587	111.16 -7.33 -2.14	103.65 -6.67 -2.81	99.35 -6.26 -2.91	95.61 -5.78 -3.47	88.36 -4.92 -5.48	97.22 -5.78 -4.98	135.40 -9.88 0.00	137.34 -8.89 -2.78	129.57 -9.75 0.00	128.07 -8.76 -2.04	87.16 -5.72 -7.52	87.08 -5.93 -7.10	83.85 -5.57 -7.47	87.15 -5.97 -6.55	82.07 -5.31 -8.18	91.74 -6.25 -6.05	89.61 -5.55 -9.73	98.25 -6.02 -11.64	95.82 -5.67 -11.55	86.89 -4.95 -10.71	83.80 -4.42 -9.35	78.89 -4.68 -8.05	91.95 -5.04 -5.38	78.80 -3.78 -7.05
UPPER HUDSON___HYD 24058	145.78 7.45 -21.98	143.14 6.78 -28.86	139.16 6.58 -29.88	139.78 6.27 -35.59	149.84 5.88 -56.15	156.08 6.96 -51.10	279.60 10.47 -123.86	331.80 10.47 -177.88	346.50 10.45 -196.72	231.46 9.71 -86.95	166.42 5.72 -75.35	162.53 5.50 -71.13	162.00 5.25 -74.79	155.76 3.55 -65.64	164.61 3.48 -81.93	157.00 4.50 -60.56	187.47 4.61 -97.42	214.80 5.18 -116.98	211.17 5.12 -116.11	193.21 4.46 -107.62	176.41 3.94 -93.59	159.64 3.48 -80.64	150.70 3.94 -55.15	150.62 2.80 -72.31
UPPER RAQUET___HYD 24056	115.29 -1.05 0.00	106.64 -0.86 0.00	101.87 -0.83 0.00	97.13 -0.79 0.00	87.01 -0.79 0.00	97.23 -0.79 0.00	143.10 -2.18 0.00	141.45 -2.01 0.00	137.09 -2.23 0.00	132.10 -2.69 0.00	83.73 -1.62 0.00	84.19 -1.72 0.00	80.32 -1.64 0.00	84.75 -1.82 0.00	77.53 -1.67 0.00	89.83 -2.11 0.00	83.38 -2.05 0.00	90.51 -2.13 0.00	87.60 -2.34 0.00	79.02 -2.11 0.00	76.58 -2.29 0.00	73.79 -1.73 0.00	89.41 -2.20 0.00	74.24 -1.28 0.00
VALLEY44_115KV_TB2 355964	107.49 -12.10 -3.25	100.91 -10.86 -4.27	96.84 -10.27 -4.42	93.38 -9.79 -5.26	87.33 -8.78 -8.30	95.38 -10.19 -7.56	136.56 -8.72 0.00	130.73 -16.21 -3.48	133.82 -10.59 -5.08	125.45 -15.10 -5.75	84.96 -9.82 -9.42	85.00 -9.79 -8.89	81.89 -9.43 -9.35	84.91 -9.87 -8.21	80.17 -9.27 -10.24	89.03 -10.48 -7.57	87.96 -9.65 -12.18	97.03 -10.28 -14.68	94.52 -9.98 -14.57	85.38 -9.25 -13.50	81.45 -9.15 -11.73	76.56 -9.06 -10.11	88.86 -10.90 -8.15	78.58 -7.63 -10.69
VALLEY___115KV_TB 1-4 80826	119.83 3.49 0.00	110.62 3.12 0.00	105.67 2.98 0.00	100.66 2.74 0.00	90.35 2.55 0.00	100.86 2.84 0.00	149.34 4.07 0.00	147.33 3.87 0.00	143.08 3.76 0.00	138.57 3.77 0.00	87.74 2.39 0.00	88.31 2.41 0.00	84.34 2.38 0.00	89.00 2.42 0.00	81.34 2.14 0.00	94.15 2.21 0.00	87.23 1.79 0.00	94.40 1.76 0.00	91.47 1.53 0.00	82.59 1.46 0.00	80.37 1.50 0.00	77.18 1.66 0.00	93.62 2.02 0.00	77.33 1.81 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	131.51 7.68 -7.49	124.33 6.99 -9.84	119.35 6.47 -10.19	116.12 6.07 -12.13	112.57 5.62 -19.14	121.71 6.27 -17.42	172.50 10.17 -17.06	183.96 9.90 -30.60	184.40 10.17 -34.91	165.01 9.44 -20.77	116.45 5.63 -25.47	115.70 5.76 -24.04	112.56 5.33 -25.28	114.47 5.71 -22.18	112.19 5.31 -27.69	118.94 6.53 -20.47	124.42 6.07 -32.93	139.57 6.48 -40.45	136.38 6.30 -40.15	124.02 5.68 -37.21	116.05 5.52 -31.66	108.01 5.21 -27.28	116.63 6.23 -18.80	105.30 5.14 -24.65
VISCHER___FERRY HYD 24020	143.93 6.05 -21.54	141.38 5.59 -28.29	137.32 5.34 -29.28	137.88 5.09 -34.88	147.49 4.65 -55.03	153.39 5.29 -50.08	254.81 7.98 -101.55	301.50 7.74 -150.30	311.89 7.66 -164.91	219.17 7.54 -76.83	163.80 4.61 -73.84	160.24 4.64 -69.70	159.67 4.42 -73.29	155.40 4.50 -64.32	163.68 4.19 -80.29	156.25 4.96 -59.34	185.60 4.70 -95.47	212.55 5.28 -114.64	208.85 5.12 -113.79	191.14 4.54 -105.47	174.93 4.33 -91.72	158.55 4.00 -79.03	150.42 4.76 -54.05	150.16 3.77 -70.86
V_A_10_SYNC_DSASP 323832	107.56 -11.17 -2.39	100.53 -10.11 -3.13	96.50 -9.45 -3.25	92.97 -8.81 -3.87	86.18 -7.73 -6.10	94.46 -9.11 -5.55	129.73 -15.54 0.00	132.12 -14.77 -3.43	127.16 -15.74 -3.58	125.01 -14.56 -4.77	85.17 -9.48 -9.30	85.06 -9.62 -8.78	82.09 -9.10 -9.23	84.80 -9.87 -8.10	80.44 -8.87 -10.11	88.84 -10.57 -7.47	87.97 -9.49 -12.02	96.80 -10.29 -14.45	94.66 -9.62 -14.35	85.99 -8.44 -13.30	82.62 -7.81 -11.56	77.63 -7.86 -9.96	89.08 -8.52 -5.99	77.18 -6.19 -7.85
V_CMM_10_SYNC_DSASP 323787	116.11 -0.23 0.00	107.39 -0.11 0.00	102.70 0.00 0.00	97.82 -0.10 0.00	87.63 -0.18 0.00	98.02 0.00 0.00	144.70 -0.58 0.00	142.89 -0.57 0.00	138.77 -0.56 0.00	133.99 -0.80 0.00	85.01 -0.34 0.00	85.48 -0.43 0.00	81.55 -0.41 0.00	86.14 -0.43 0.00	78.80 -0.39 0.00	91.30 -0.64 0.00	84.75 -0.69 0.00	91.80 -0.84 0.00	88.95 -0.99 0.00	80.24 -0.89 0.00	77.93 -0.94 0.00	74.91 -0.61 0.00	90.69 -0.92 0.00	75.00 -0.52 0.00
V_CMP_10_SYNC_DSASP 323788	117.75 1.40 0.00	109.01 1.50 0.00	104.13 1.44 0.00	99.28 1.37 0.00	88.94 1.14 0.00	99.68 1.66 0.00	147.16 1.88 0.00	145.32 1.86 0.00	141.13 1.81 0.00	136.01 1.21 0.00	86.29 0.94 0.00	86.76 0.86 0.00	82.78 0.82 0.00	87.53 0.95 0.00	79.99 0.79 0.00	92.68 0.73 0.00	86.03 0.60 0.00	93.10 0.47 0.00	90.12 0.18 0.00	81.21 0.08 0.00	78.71 -0.16 0.00	75.82 0.30 0.00	91.51 -0.09 0.00	75.67 0.15 0.00
V_D_10_SYNC_DSASP 323841	116.46 0.12 0.00	107.72 0.22 0.00	103.01 0.31 0.00	98.11 0.20 0.00	87.89 0.09 0.00	98.41 0.39 0.00	145.13 -0.15 0.00	143.31 -0.14 0.00	139.18 -0.14 0.00	134.26 -0.54 0.00	85.10 -0.26 0.00	85.65 -0.26 0.00	81.71 -0.25 0.00	86.31 -0.26 0.00	78.96 -0.24 0.00	91.49 -0.46 0.00	84.92 -0.51 0.00	91.99 -0.64 0.00	89.13 -0.81 0.00	80.40 -0.73 0.00	78.08 -0.79 0.00	75.07 -0.45 0.00	90.87 -0.74 0.00	75.22 -0.30 0.00
V_E_10_SYNC_DSASP 323830	132.84 11.17 -5.33	124.50 10.00 -7.00	119.08 9.14 -7.25	115.16 8.62 -8.63	109.59 8.17 -13.62	119.82 9.41 -12.39	169.69 16.56 -7.87	195.15 29.70 -22.00	191.21 27.87 -24.02	173.52 22.79 -15.93	120.45 12.72 -22.38	119.74 12.71 -21.12	115.48 11.31 -22.21	118.44 12.38 -19.49	115.49 11.96 -24.33	125.37 15.44 -17.98	129.40 15.04 -28.93	129.25 8.62 -27.99	125.82 8.10 -27.79	114.03 7.14 -25.76	108.05 6.78 -22.40	100.93 6.11 -19.30	111.67 6.68 -13.38	98.79 5.74 -17.54
V_F_30_NSYNC___DSASP 323816	145.36 7.10 -21.92	142.74 6.45 -28.78	138.76 6.27 -29.80	139.38 5.97 -35.49	149.25 5.45 -56.00	155.26 6.28 -50.96	275.81 9.44 -121.09	327.22 9.32 -174.45	341.29 9.19 -192.77	229.24 8.76 -85.69	165.70 5.21 -75.14	161.90 5.07 -70.93	161.37 4.83 -74.58	156.61 4.59 -65.45	165.33 4.43 -81.70	157.75 5.42 -60.39	187.97 5.39 -97.15	215.22 5.93 -116.65	211.57 5.84 -115.79	193.56 5.11 -107.32	177.01 4.81 -93.33	160.32 4.38 -80.42	151.82 5.22 -55.00	151.55 3.92 -72.11



V_F_30_SYNC_DSASP 323786	143.51 5.70 -21.46	140.85 5.16 -28.18	136.90 5.03 -29.18	137.46 4.80 -34.75	146.94 4.30 -54.83	152.72 4.80 -49.90	233.86 6.97 -81.61	276.24 6.74 -126.04	282.72 6.83 -136.57	209.66 6.74 -68.12	163.24 4.35 -73.54	159.70 4.38 -69.41	159.05 4.10 -72.99	155.05 4.42 -64.06	163.27 4.12 -79.96	154.72 3.68 -59.10	183.84 3.33 -95.08	210.43 3.52 -114.28	206.79 3.42 -113.43	189.27 3.00 -105.14	173.18 2.92 -91.39	157.13 2.87 -78.74	149.03 3.57 -53.85	149.75 3.62 -70.60
V_XM_10_SYNC_DSASP 323789	117.75 1.40 0.00	109.01 1.50 0.00	104.13 1.44 0.00	99.28 1.37 0.00	88.94 1.14 0.00	99.68 1.66 0.00	147.16 1.88 0.00	145.32 1.86 0.00	141.13 1.81 0.00	136.01 1.21 0.00	86.29 0.94 0.00	86.76 0.86 0.00	82.78 0.82 0.00	87.53 0.95 0.00	79.99 0.79 0.00	92.68 0.73 0.00	86.03 0.60 0.00	93.10 0.47 0.00	90.12 0.18 0.00	81.21 0.08 0.00	78.71 -0.16 0.00	75.82 0.30 0.00	91.51 -0.09 0.00	75.67 0.15 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	139.50 6.63 -16.52	135.43 6.24 -21.70	131.01 5.85 -22.46	130.25 5.58 -26.75	134.93 4.92 -42.21	141.72 5.29 -38.41	165.31 7.99 -12.04	187.15 8.18 -35.52	181.23 8.36 -33.55	173.98 8.36 -30.83	147.27 5.38 -56.55	144.78 5.50 -53.38	143.33 5.25 -56.12	141.37 5.54 -49.26	145.67 4.99 -61.48	143.55 6.16 -45.44	164.27 5.72 -73.11	186.92 6.39 -87.89	183.30 6.12 -87.25	167.51 5.52 -80.86	154.43 5.28 -70.27	141.28 5.21 -60.55	139.57 6.50 -41.46	134.63 4.76 -54.35
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	141.96 8.49 -17.13	137.95 7.96 -22.49	133.48 7.50 -23.28	132.89 7.25 -27.73	137.88 6.32 -43.75	144.50 6.67 -39.82	167.90 10.17 -12.46	190.71 10.47 -36.78	184.63 10.59 -34.72	177.25 10.51 -31.93	150.89 6.91 -58.62	148.37 7.13 -55.34	147.03 6.88 -58.18	144.91 7.27 -51.06	149.35 6.41 -63.74	146.78 7.72 -47.11	168.40 7.18 -75.79	191.72 7.97 -91.12	188.02 7.64 -90.44	171.85 6.90 -83.83	158.35 6.63 -72.85	144.79 6.49 -62.77	142.92 8.34 -42.97	138.13 6.27 -56.34
W50THST__13_KV_LOAD 356117	142.43 8.96 -17.13	138.38 8.39 -22.49	133.89 7.91 -23.28	133.18 7.54 -27.73	138.23 6.67 -43.75	144.89 7.06 -39.82	168.77 11.04 -12.46	191.57 11.33 -36.78	185.47 11.42 -34.72	178.19 11.46 -31.93	151.40 7.43 -58.62	148.80 7.56 -55.34	147.44 7.29 -58.18	145.34 7.71 -51.06	149.75 6.81 -63.74	147.42 8.37 -47.11	168.91 7.69 -75.79	192.18 8.43 -91.12	188.47 8.09 -90.44	172.34 7.38 -83.83	158.74 7.02 -72.85	145.24 6.95 -62.77	143.28 8.70 -42.97	138.43 6.57 -56.34
WADING RIVER_IC_1 23522	146.86 13.37 -17.14	142.47 12.46 -22.51	138.00 12.01 -23.30	137.01 11.35 -27.75	141.85 10.27 -43.77	148.45 10.59 -39.84	174.31 16.56 -12.48	195.20 14.92 -36.82	189.95 15.88 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.76 7.47 -55.39	148.80 8.60 -58.24	145.91 8.23 -51.11	151.23 8.24 -63.80	150.55 10.48 -48.13	188.55 10.33 -92.79	212.42 11.58 -108.21	204.30 11.42 -102.94	186.15 10.22 -94.80	174.02 9.30 -85.85	154.35 9.59 -69.24	149.24 12.00 -45.64	141.25 9.29 -56.44
WADING RIVER_IC_2 23547	146.86 13.37 -17.14	142.47 12.46 -22.51	138.00 12.01 -23.30	137.01 11.35 -27.75	141.85 10.27 -43.77	148.45 10.59 -39.84	174.31 16.56 -12.48	195.20 14.92 -36.82	189.95 15.88 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.76 7.47 -55.39	148.80 8.60 -58.24	145.91 8.23 -51.11	151.23 8.24 -63.80	150.55 10.48 -48.13	188.55 10.33 -92.79	212.42 11.58 -108.21	204.30 11.42 -102.94	186.15 10.22 -94.80	174.02 9.30 -85.85	154.35 9.59 -69.24	149.24 12.00 -45.64	141.25 9.29 -56.44
WADING RIVER_IC_3 23601	146.86 13.37 -17.14	142.47 12.46 -22.51	138.00 12.01 -23.30	137.01 11.35 -27.75	141.85 10.27 -43.77	148.45 10.59 -39.84	174.31 16.56 -12.48	195.20 14.92 -36.82	189.95 15.88 -34.75	178.74 11.99 -31.95	151.45 7.42 -58.67	148.76 7.47 -55.39	148.80 8.60 -58.24	145.91 8.23 -51.11	151.23 8.24 -63.80	150.55 10.48 -48.13	188.55 10.33 -92.79	212.42 11.58 -108.21	204.30 11.42 -102.94	186.15 10.22 -94.80	174.02 9.30 -85.85	154.35 9.59 -69.24	149.24 12.00 -45.64	141.25 9.29 -56.44
WALDENNY_12_KV_BK2 80841	107.11 -12.10 -2.87	100.41 -10.86 -3.77	96.43 -10.17 -3.90	92.86 -9.69 -4.64	86.62 -8.52 -7.33	94.69 -10.00 -6.67	131.47 -13.80 0.00	130.16 -16.21 -2.91	129.25 -14.49 -4.42	124.07 -15.64 -4.91	83.15 -10.07 -7.87	83.11 -10.22 -7.43	80.02 -9.75 -7.81	83.04 -10.39 -6.86	78.09 -9.66 -8.56	86.87 -11.40 -6.33	85.35 -10.25 -10.17	93.77 -11.12 -12.25	91.57 -10.52 -12.16	82.99 -9.41 -11.27	79.76 -8.91 -9.80	74.90 -9.06 -8.45	88.63 -10.17 -7.20	77.86 -7.10 -9.43
WALDEN__HYDRO 24148	140.25 7.45 -16.46	136.11 6.99 -21.62	131.65 6.57 -22.38	130.84 6.27 -26.66	135.40 5.53 -42.06	142.48 6.18 -38.28	167.37 9.15 -12.95	189.31 9.32 -36.53	183.55 9.47 -34.76	175.09 9.17 -31.12	147.42 5.72 -56.35	144.94 5.84 -53.20	143.47 5.57 -55.93	141.55 5.89 -49.09	145.86 5.39 -61.28	143.85 6.62 -45.29	164.53 6.24 -72.86	187.27 7.04 -87.60	183.63 6.75 -86.95	167.89 6.17 -80.59	154.82 5.92 -70.04	141.53 5.66 -60.35	139.97 7.05 -41.32	134.82 5.14 -54.17
WARRENSBURG____ 23737	145.78 7.45 -21.98	143.14 6.78 -28.86	139.16 6.58 -29.88	139.78 6.27 -35.59	149.84 5.88 -56.15	156.08 6.96 -51.10	279.60 10.47 -123.86	331.80 10.47 -177.88	346.50 10.45 -196.72	231.46 9.71 -86.95	166.42 5.72 -75.35	162.53 5.50 -71.13	162.00 5.25 -74.79	155.76 3.55 -65.64	164.61 3.48 -81.93	157.00 4.50 -60.56	187.47 4.61 -97.42	214.80 5.18 -116.98	211.17 5.12 -116.11	193.21 4.46 -107.62	176.41 3.94 -93.59	159.64 3.48 -80.64	150.70 3.94 -55.15	150.62 2.80 -72.31
WATERSIDE____6 8 9 23538	141.65 8.96 -16.34	137.69 8.39 -21.80	133.30 7.91 -22.70	132.61 7.54 -27.16	137.55 6.67 -43.07	144.07 7.06 -38.99	168.05 10.31 -12.46	190.71 10.47 -36.78	184.63 10.59 -34.71	177.25 10.51 -31.94	150.07 7.08 -57.63	147.61 7.30 -54.41	146.29 7.05 -57.28	144.23 7.45 -50.21	148.56 6.57 -62.79	146.87 7.82 -47.12	167.44 7.35 -74.66	191.82 8.06 -91.12	188.12 7.73 -90.45	171.86 6.90 -83.83	158.36 6.63 -72.86	144.95 6.65 -62.79	143.19 8.61 -42.97	138.35 6.49 -56.34
WATKINRD_115KV_LN8_ILLION 55919	118.90 2.56 0.00	109.87 2.37 0.00	104.96 2.26 0.00	99.97 2.06 0.00	89.74 1.93 0.00	100.18 2.16 0.00	148.47 3.20 0.00	146.47 3.01 0.00	142.25 2.93 0.00	137.63 2.83 0.00	87.14 1.79 0.00	87.71 1.80 0.00	83.68 1.72 0.00	88.39 1.82 0.00	80.78 1.58 0.00	93.78 1.84 0.00	87.06 1.62 0.00	94.30 1.67 0.00	91.47 1.53 0.00	82.51 1.38 0.00	80.29 1.42 0.00	76.95 1.43 0.00	93.35 1.74 0.00	76.95 1.43 0.00
WATSON____69_KV_BK 1 55734	146.51 13.03 -17.14	142.26 12.26 -22.51	137.60 11.60 -23.30	136.73 11.06 -27.75	141.59 10.01 -43.77	148.74 10.88 -39.84	173.44 15.69 -12.48	195.47 15.21 -36.81	189.11 15.05 -34.74	179.95 13.21 -31.94	152.35 8.36 -58.64	150.01 8.76 -55.35	149.09 8.93 -58.20	147.00 9.35 -51.08	151.51 8.55 -63.76	151.20 11.13 -48.13	189.40 10.68 -93.29	213.05 11.58 -108.83	204.59 11.24 -103.41	186.56 10.22 -95.21	174.73 9.39 -86.47	154.61 9.21 -69.88	149.15 11.82 -45.72	141.10 9.14 -56.45
WDELAWARE__HYD 323627	140.32 8.49 -15.49	135.69 7.84 -20.35	131.25 7.49 -21.06	130.14 7.14 -25.09	133.62 6.23 -39.58	141.29 7.25 -36.02	169.97 10.75 -13.95	190.75 10.76 -36.53	185.54 11.00 -35.22	174.83 9.97 -30.06	144.48 6.06 -53.06	142.09 6.10 -50.09	140.36 5.74 -52.67	138.94 6.15 -46.22	142.60 5.71 -57.70	141.94 7.36 -42.64	161.04 7.01 -68.61	183.05 8.06 -82.35	179.50 7.82 -81.75	164.04 7.14 -75.77	151.62 6.86 -65.89	138.79 6.50 -56.77	138.26 7.78 -38.88	132.15 5.67 -50.97



WEST BABYLON___IC 23714	145.70 12.22 -17.14	141.51 11.50 -22.51	136.88 10.89 -23.30	136.04 10.38 -27.75	140.89 9.31 -43.77	147.95 10.10 -39.84	172.28 14.53 -12.48	194.32 14.06 -36.80	188.00 13.93 -34.74	179.14 12.40 -31.94	151.84 7.85 -58.64	149.59 8.33 -55.35	148.52 8.36 -58.20	146.48 8.83 -51.08	150.87 7.92 -63.76	150.44 10.30 -48.20	189.82 9.91 -94.48	213.42 10.75 -110.04	204.75 10.52 -104.29	186.61 9.49 -95.99	175.33 8.68 -87.78	155.31 8.61 -71.18	148.60 11.08 -45.91	140.58 8.61 -56.45
WEST CANADA___HYD 24049	117.16 0.82 0.00	108.26 0.76 0.00	103.42 0.72 0.00	98.60 0.69 0.00	88.42 0.62 0.00	98.71 0.69 0.00	146.30 1.02 0.00	144.47 1.01 0.00	140.31 0.98 0.00	135.75 0.95 0.00	85.95 0.60 0.00	86.51 0.61 0.00	82.54 0.58 0.00	87.18 0.61 0.00	79.76 0.56 0.00	92.59 0.65 0.00	86.03 0.60 0.00	93.29 0.65 0.00	90.57 0.63 0.00	81.70 0.57 0.00	79.43 0.56 0.00	75.98 0.46 0.00	92.16 0.55 0.00	75.98 0.46 0.00
WESTERN_NY_WIND 24143	108.60 -10.24 -2.49	101.53 -9.25 -3.27	97.46 -8.63 -3.39	93.92 -8.03 -4.03	87.32 -6.85 -6.36	95.77 -8.04 -5.79	132.93 -12.35 0.00	133.56 -12.62 -2.72	130.41 -12.68 -3.76	126.76 -12.40 -4.36	84.44 -8.28 -7.37	84.27 -8.59 -6.96	81.24 -8.03 -7.31	84.34 -8.66 -6.42	79.45 -7.76 -8.01	88.76 -9.10 -5.92	86.93 -8.03 -9.53	95.46 -8.62 -11.44	93.19 -8.09 -11.35	84.43 -7.22 -10.52	81.50 -6.55 -9.17	76.47 -6.95 -7.90	90.25 -7.60 -6.25	78.43 -5.29 -8.19
WESTOVER___LESR 323668	120.49 -1.40 -5.54	113.49 -1.29 -7.27	108.99 -1.23 -7.53	105.71 -1.17 -8.97	100.90 -1.05 -14.15	109.62 -1.27 -12.88	150.07 -0.44 -5.23	155.10 -1.72 -13.36	151.67 -1.11 -13.46	143.91 -1.89 -11.00	102.51 -1.37 -18.53	102.02 -1.37 -17.49	98.96 -1.39 -18.39	101.33 -1.39 -16.14	98.08 -1.27 -20.15	105.64 -1.20 -14.89	108.45 -0.94 -23.95	120.70 -1.02 -29.08	117.91 -0.90 -28.87	107.08 -0.81 -26.76	101.12 -0.79 -23.03	94.46 -0.91 -19.85	104.40 -1.10 -13.90	93.06 -0.68 -18.22
WETHRSFD_WT_PWR 323626	109.34 -10.24 -3.24	102.51 -9.25 -4.25	98.47 -8.63 -4.40	94.93 -8.22 -5.24	88.79 -7.29 -8.27	97.02 -8.53 -7.53	133.79 -11.48 0.00	133.20 -13.77 -3.52	131.84 -12.54 -5.06	126.68 -13.88 -5.76	85.82 -9.05 -9.52	85.70 -9.19 -8.98	82.64 -8.77 -9.45	85.51 -9.35 -8.29	80.75 -8.79 -10.35	89.20 -10.39 -7.65	88.43 -9.31 -12.30	97.23 -10.19 -14.79	95.08 -9.54 -14.68	86.13 -8.60 -13.60	82.42 -8.28 -11.83	77.41 -8.31 -10.20	90.30 -9.43 -8.12	79.45 -6.72 -10.65
WHAVSTOR_138KV_BK127 55557	139.05 6.17 -16.54	135.03 5.81 -21.72	130.63 5.44 -22.49	129.89 5.19 -26.78	134.63 4.57 -42.26	141.38 4.90 -38.46	164.59 7.26 -12.05	186.48 7.46 -35.56	180.57 7.66 -33.58	173.21 7.55 -30.86	146.91 4.95 -56.61	144.41 5.07 -53.44	142.99 4.84 -56.19	141.08 5.19 -49.31	145.35 4.59 -61.56	143.05 5.61 -45.50	163.92 5.30 -73.19	186.47 5.84 -88.00	182.95 5.67 -87.35	167.20 5.11 -80.96	154.12 4.89 -70.36	140.97 4.83 -60.62	139.25 6.14 -41.50	134.39 4.46 -54.41
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	139.05 6.17 -16.54	135.03 5.81 -21.72	130.63 5.44 -22.49	129.89 5.19 -26.78	134.63 4.57 -42.26	141.38 4.90 -38.46	164.59 7.26 -12.05	186.48 7.46 -35.56	180.57 7.66 -33.58	173.21 7.55 -30.86	146.91 4.95 -56.61	144.41 5.07 -53.44	142.99 4.84 -56.19	141.08 5.19 -49.31	145.35 4.59 -61.56	143.05 5.61 -45.50	163.92 5.30 -73.19	186.47 5.84 -88.00	182.95 5.67 -87.35	167.20 5.11 -80.96	154.12 4.89 -70.36	140.97 4.83 -60.62	139.25 6.14 -41.50	134.39 4.46 -54.41
WHITEHAL_115KV_TB1 80871	147.26 8.96 -21.95	144.40 8.06 -28.83	140.45 7.91 -29.85	141.00 7.54 -35.55	151.01 7.11 -56.09	157.49 8.43 -51.04	280.92 12.93 -122.71	332.95 13.05 -176.44	347.36 12.96 -195.08	233.08 11.86 -86.41	167.49 6.91 -75.22	163.53 6.61 -71.01	162.93 6.31 -74.66	157.12 5.02 -65.53	165.90 4.91 -81.79	158.65 6.25 -60.45	189.18 6.49 -97.26	216.86 7.32 -116.90	213.08 7.10 -116.04	194.93 6.25 -107.55	178.03 5.68 -93.48	160.98 4.91 -80.55	152.10 5.40 -55.09	151.67 3.93 -72.22
WHITEPLN_13_KV_LOAD 356215	142.40 8.96 -17.09	138.33 8.39 -22.45	133.74 7.80 -23.24	133.13 7.54 -27.68	138.15 6.67 -43.67	144.92 7.16 -39.74	168.60 10.90 -12.43	191.36 11.19 -36.71	185.26 11.29 -34.65	177.73 11.05 -31.87	150.94 7.08 -58.51	148.35 7.22 -55.23	147.08 7.05 -58.07	144.90 7.36 -50.97	149.39 6.57 -63.62	146.96 8.00 -47.02	168.60 7.52 -75.65	191.82 8.24 -90.94	188.21 8.00 -90.27	172.02 7.22 -83.67	158.45 6.86 -72.71	144.82 6.65 -62.65	142.74 8.24 -42.89	137.95 6.19 -56.23
WM_FLOYD_69_KV_BK2 356380	146.40 12.91 -17.14	142.15 12.15 -22.51	137.50 11.50 -23.30	136.73 11.06 -27.75	141.50 9.92 -43.77	148.83 10.98 -39.84	173.59 15.83 -12.48	195.62 15.35 -36.81	189.26 15.19 -34.75	179.28 12.54 -31.94	151.75 7.77 -58.64	149.41 8.16 -55.35	148.76 8.61 -58.20	146.31 8.66 -51.08	151.27 8.32 -63.76	150.89 10.85 -48.10	188.62 10.42 -92.77	212.33 11.39 -108.30	204.03 11.06 -103.03	185.98 9.98 -94.88	173.91 9.15 -85.89	153.93 9.14 -69.28	148.88 11.63 -45.64	141.03 9.06 -56.44
WOODARD___115KV_TB2 355635	115.11 -2.79 -1.56	106.86 -2.69 -2.05	102.14 -2.67 -2.12	97.89 -2.55 -2.52	89.59 -2.20 -3.98	99.19 -2.45 -3.62	142.08 -3.20 0.00	142.27 -3.16 -1.97	136.12 -3.20 0.00	133.14 -3.10 -1.44	88.64 -2.05 -5.34	88.88 -2.06 -5.04	85.29 -1.97 -5.30	89.23 -1.99 -4.65	83.18 -1.82 -5.80	94.21 -2.02 -4.29	90.54 -1.79 -6.90	98.94 -1.85 -8.16	96.33 -1.71 -8.10	87.09 -1.54 -7.51	84.01 -1.50 -6.63	79.65 -1.59 -5.72	93.59 -1.92 -3.91	79.06 -1.59 -5.12
YORK___WARBASSE 23770	148.90 9.89 -22.67	144.13 9.25 -27.38	138.79 8.63 -27.47	138.05 8.32 -31.81	143.70 7.29 -48.61	151.44 7.74 -45.68	168.77 11.04 -12.46	191.43 11.19 -36.78	185.67 11.56 -34.78	178.06 11.32 -31.94	158.77 7.77 -65.65	155.77 7.90 -61.96	154.18 7.62 -64.60	151.77 8.05 -57.15	156.93 7.21 -70.53	147.43 8.37 -47.12	177.32 8.03 -83.86	192.53 8.71 -91.18	188.81 8.36 -90.51	172.49 7.46 -83.90	158.91 7.18 -72.86	145.48 7.17 -62.79	149.41 9.34 -48.46	143.98 7.10 -61.36