

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

02/11/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1 24138	122.50	113.11	103.89	99.18	110.96	124.54	163.68	203.12	172.41	163.29	140.61	130.58	128.52	126.18	132.12	140.71	162.78	188.64	183.51	171.61	161.40	139.09	127.37	121.08
	5.24	5.19	5.31	5.42	5.55	6.60	7.68	7.83	8.56	7.14	7.93	7.19	6.27	6.32	6.26	6.70	8.63	8.67	8.82	8.18	8.17	7.74	7.65	6.71
	-42.42	-35.88	-24.87	-18.46	-28.37	-23.65	-56.24	-97.39	-66.61	-74.98	-42.62	-43.55	-51.07	-48.79	-54.72	-55.09	-57.10	-82.53	-75.53	-66.09	-55.99	-34.60	-22.88	-17.01
74TH STREET_GT_1 24260	122.59	112.97	103.75	99.04	110.81	124.55	163.30	202.86	172.07	163.01	140.28	130.29	128.55	126.07	132.16	140.67	162.50	188.55	183.41	171.61	161.40	139.18	127.28	121.09
	5.31	5.04	5.16	5.27	5.39	6.60	7.28	7.54	8.17	6.82	7.56	6.87	6.26	6.18	6.26	6.63	8.35	8.57	8.73	8.18	8.17	7.84	7.55	6.72
	-42.43	-35.90	-24.88	-18.46	-28.38	-23.66	-56.26	-97.42	-66.66	-75.04	-42.65	-43.58	-51.11	-48.83	-54.76	-55.13	-57.12	-82.53	-75.54	-66.10	-55.99	-34.60	-22.88	-17.02
74TH STREET_GT_2 24261	122.59	112.97	103.75	99.04	110.81	124.55	163.30	202.86	172.07	163.01	140.28	130.29	128.55	126.07	132.16	140.67	162.50	188.55	183.41	171.61	161.40	139.18	127.28	121.09
	5.31	5.04	5.16	5.27	5.39	6.60	7.28	7.54	8.17	6.82	7.56	6.87	6.26	6.18	6.26	6.63	8.35	8.57	8.73	8.18	8.17	7.84	7.55	6.72
	-42.43	-35.90	-24.88	-18.46	-28.38	-23.66	-56.26	-97.42	-66.66	-75.04	-42.65	-43.58	-51.11	-48.83	-54.76	-55.13	-57.12	-82.53	-75.54	-66.10	-55.99	-34.60	-22.88	-17.02
ADK HUDSON___FALLS 24011	153.64	160.18	151.12	160.01	148.94	130.36	237.03	226.88	241.96	180.85	150.11	139.73	139.81	136.63	144.05	152.94	174.92	228.36	239.46	216.21	174.05	146.68	132.13	157.10
	6.59	6.27	6.41	6.55	6.78	6.51	7.38	7.24	7.29	5.92	6.75	5.43	4.77	4.55	4.48	5.13	6.50	7.11	7.14	7.01	6.81	6.68	6.68	8.08
	-72.21	-81.88	-71.00	-78.15	-65.13	-29.56	-129.88	-121.74	-137.42	-93.77	-53.30	-54.46	-63.86	-61.02	-68.42	-68.89	-71.38	-123.80	-133.16	-111.86	-70.00	-43.26	-28.61	-51.66
ADK RESOURCE___RCVRY 23798	154.02	160.73	151.68	160.66	149.38	130.57	237.84	227.26	242.74	181.17	150.43	139.93	139.94	136.75	144.18	153.07	175.26	228.82	240.04	216.62	174.47	148.83	134.18	157.59
	6.81	6.55	6.71	6.85	7.01	6.70	7.79	7.54	7.68	6.17	7.03	5.59	4.84	4.62	4.56	5.21	6.79	7.40	7.44	7.20	7.20	8.80	8.72	8.37
	-72.36	-82.14	-71.26	-78.51	-65.33	-29.58	-130.30	-121.83	-137.82	-93.84	-53.35	-54.50	-63.92	-61.07	-68.48	-68.95	-71.43	-123.98	-133.45	-112.08	-70.03	-43.28	-28.63	-51.86
ADK S GLENS___FALLS 24028	153.64	160.18	151.12	160.01	148.94	130.36	237.03	226.88	241.96	180.85	150.11	139.73	139.81	136.63	144.05	152.94	174.92	228.36	239.46	216.21	174.05	146.68	132.13	157.10
	6.59	6.27	6.41	6.55	6.78	6.51	7.38	7.24	7.29	5.92	6.75	5.43	4.77	4.55	4.48	5.13	6.50	7.11	7.14	7.01	6.81	6.68	6.68	8.08
	-72.21	-81.88	-71.00	-78.15	-65.13	-29.56	-129.88	-121.74	-137.42	-93.77	-53.30	-54.46	-63.86	-61.02	-68.42	-68.89	-71.38	-123.80	-133.16	-111.86	-70.00	-43.26	-28.61	-51.66
ADK_NYS___DAM 23527	144.52	145.70	136.15	140.39	137.09	129.73	215.71	222.95	222.06	177.76	148.22	138.28	138.01	135.20	142.52	151.40	173.47	218.70	224.53	204.67	172.53	145.98	132.03	145.59
	5.46	5.26	5.38	5.49	5.70	6.88	7.68	7.44	7.68	6.01	6.66	5.83	5.13	5.18	5.26	5.92	7.47	7.61	7.94	7.69	7.68	7.45	7.56	7.10
	-64.22	-68.41	-57.06	-59.59	-54.35	-28.56	-108.27	-117.61	-117.14	-90.60	-51.50	-52.62	-61.70	-58.95	-66.11	-66.56	-68.96	-113.65	-117.44	-99.64	-67.61	-41.78	-27.64	-41.13
AIR_PRODUCTS___DRP 24190	135.78	131.80	121.40	121.10	125.12	126.24	193.17	218.44	201.36	174.34	144.88	135.56	135.58	132.64	139.66	148.15	169.20	208.32	208.49	191.51	168.18	141.73	128.16	132.98
	2.47	2.45	2.58	2.71	2.62	3.39	2.99	2.94	3.21	2.60	3.33	3.11	2.70	2.63	2.42	2.68	3.20	3.41	3.47	3.31	3.31	3.19	3.68	3.60
	-58.47	-57.32	-45.11	-43.09	-45.46	-28.56	-90.42	-117.61	-100.91	-90.58	-51.49	-52.61	-61.69	-58.94	-66.10	-66.55	-68.95	-107.47	-105.87	-90.86	-67.63	-41.80	-27.64	-32.02
AKWESSNE_115KV_BK 355683	74.25	71.38	72.97	74.55	76.27	93.35	98.37	96.23	95.39	79.94	88.53	78.56	70.04	70.07	70.07	77.65	95.29	95.39	96.87	95.39	95.49	95.68	95.87	96.58
	-0.60	-0.65	-0.74	-0.75	-0.77	-0.94	-1.40	-1.66	-1.85	-1.22	-1.53	-1.28	-1.14	-0.99	-1.07	-1.26	-1.75	-2.05	-2.28	-1.95	-1.75	-1.06	-0.97	-0.78
	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	135.10	129.22	118.92	117.07	123.76	129.05	188.43	218.58	195.75	174.04	145.54	135.72	135.20	132.33	139.38	148.33	170.14	206.21	204.78	189.25	169.53	143.49	130.11	132.22
	5.39	5.33	5.53	5.65	5.62	6.98	6.98	6.27	5.93	4.62	5.31	4.63	3.91	3.83	3.84	4.58	6.02	6.43	6.75	6.62	6.52	6.10	6.39	6.91
	-54.86	-51.86	-39.68	-36.12	-41.10	-27.78	-81.68	-114.41	-92.57	-88.25	-50.17	-51.25	-60.11	-57.43	-64.40	-64.84	-67.08	-102.34	-98.88	-85.29	-65.77	-40.65	-26.88	-27.95
ALBANY_2_SOLAR 323834	135.02	129.22	118.92	117.07	123.76	129.05	188.43	218.59	195.75	174.04	145.45	135.73	135.20	132.33	139.38	148.33	170.14	206.22	204.78	189.25	169.53	143.49	130.11	132.22
	5.31	5.33	5.53	5.65	5.62	6.98	6.98	6.27	5.93	4.62	5.22	4.63	3.91	3.83	3.84	4.58	6.02	6.43	6.75	6.62	6.52	6.10	6.39	6.91
	-54.86	-51.86	-39.68	-36.12	-41.10	-27.78	-81.68	-114.42	-92.58	-88.26	-50.17	-51.26	-60.11	-57.43	-64.40	-64.84	-67.08	-102.35	-98.89	-85.29	-65.77	-40.65	-26.88	-27.95
ALBANY___1 23571	135.78	131.80	121.40	121.10	125.12	126.24	193.17	218.44	201.36	174.34	144.88	135.56	135.58	132.64	139.66	148.15	169.20	208.32	208.49	191.51	168.18	141.73	128.16	132.98
	2.47	2.45	2.58	2.71	2.62	3.39	2.99	2.94	3.21	2.60	3.33	3.11	2.70	2.63	2.42	2.68	3.20	3.41	3.47	3.31	3.31	3.19	3.68	3.60
	-58.47	-57.32	-45.11	-43.09	-45.46	-28.56	-90.42	-117.61	-100.91	-90.58	-51.49	-52.61	-61.69	-58.94	-66.10	-66.55	-68.95	-107.47	-105.87	-90.86	-67.63	-41.80	-27.64	-32.02



ALBANY___2 23572	135.78 2.47 -58.47	131.80 2.45 -57.32	121.40 2.58 -45.11	121.10 2.71 -43.09	125.12 2.62 -45.46	126.24 3.39 -28.56	193.17 2.99 -90.42	218.44 2.94 -117.61	201.36 3.21 -100.91	174.34 2.60 -90.58	144.88 3.33 -51.49	135.56 3.11 -52.61	135.58 2.70 -61.69	132.64 2.63 -58.94	139.66 2.42 -66.10	148.15 2.68 -66.55	169.20 3.20 -68.95	208.32 3.41 -107.47	208.49 3.47 -105.87	191.51 3.31 -90.86	168.18 3.31 -67.63	141.73 3.19 -41.80	128.16 3.68 -27.64	132.98 3.60 -32.02
ALBANY___3 23573	135.78 2.47 -58.47	131.80 2.45 -57.32	121.40 2.58 -45.11	121.10 2.71 -43.09	125.12 2.62 -45.46	126.24 3.39 -28.56	193.17 2.99 -90.42	218.44 2.94 -117.61	201.36 3.21 -100.91	174.34 2.60 -90.58	144.88 3.33 -51.49	135.56 3.11 -52.61	135.58 2.70 -61.69	132.64 2.63 -58.94	139.66 2.42 -66.10	148.15 2.68 -66.55	169.20 3.20 -68.95	208.32 3.41 -107.47	208.49 3.47 -105.87	191.51 3.31 -90.86	168.18 3.31 -67.63	141.73 3.19 -41.80	128.16 3.68 -27.64	132.98 3.60 -32.02
ALBANY___4 23574	135.78 2.47 -58.47	131.80 2.45 -57.32	121.40 2.58 -45.11	121.10 2.71 -43.09	125.12 2.62 -45.46	126.24 3.39 -28.56	193.17 2.99 -90.42	218.44 2.94 -117.61	201.36 3.21 -100.91	174.34 2.60 -90.58	144.88 3.33 -51.49	135.56 3.11 -52.61	135.58 2.70 -61.69	132.64 2.63 -58.94	139.66 2.42 -66.10	148.15 2.68 -66.55	169.20 3.20 -68.95	208.32 3.41 -107.47	208.49 3.47 -105.87	191.51 3.31 -90.86	168.18 3.31 -67.63	141.73 3.19 -41.80	128.16 3.68 -27.64	132.98 3.60 -32.02
ALBANY___LFGE 323615	141.11 3.07 -63.20	140.89 3.02 -65.83	130.97 3.17 -54.09	133.82 3.24 -55.28	132.55 3.23 -52.28	127.31 4.14 -28.88	207.95 4.09 -104.09	220.73 3.92 -118.92	214.98 4.18 -113.56	176.25 3.49 -91.61	146.36 4.23 -52.07	136.96 3.91 -53.20	136.92 3.35 -62.39	133.88 3.20 -59.61	141.12 3.13 -66.85	149.69 3.47 -67.31	170.93 4.17 -69.72	214.74 4.28 -113.02	218.76 4.36 -115.25	199.68 4.28 -98.06	169.78 4.18 -68.36	142.96 3.97 -42.24	128.85 4.07 -27.94	140.48 4.28 -38.84
ALCOA_PA_115KV_PL-6C 55860	74.77 -0.07 0.00	71.89 -0.14 0.00	73.49 -0.22 0.00	75.08 -0.23 0.00	76.73 -0.31 0.00	93.91 -0.38 0.00	98.96 -0.80 0.00	96.82 -1.08 0.00	95.88 -1.36 0.00	80.35 -0.81 0.00	88.98 -1.08 0.00	79.04 -0.80 0.00	70.47 -0.71 0.00	70.50 -0.57 0.00	70.50 -0.64 0.00	78.05 -0.87 0.00	95.68 -1.36 0.00	95.69 -1.75 0.00	97.07 -2.08 0.00	95.68 -1.65 0.00	95.68 -1.56 0.00	95.97 -0.77 0.00	96.26 -0.58 0.00	96.97 -0.39 0.00
ALCOA_RYNLDS___DRP 24188	74.77 -0.07 0.00	71.89 -0.14 0.00	73.49 -0.22 0.00	75.08 -0.23 0.00	76.73 -0.31 0.00	93.91 -0.38 0.00	98.96 -0.80 0.00	96.82 -1.08 0.00	95.88 -1.36 0.00	80.35 -0.81 0.00	88.98 -1.08 0.00	79.04 -0.80 0.00	70.47 -0.71 0.00	70.50 -0.57 0.00	70.50 -0.64 0.00	78.05 -0.87 0.00	95.68 -1.36 0.00	95.69 -1.75 0.00	97.07 -2.08 0.00	95.68 -1.65 0.00	95.68 -1.56 0.00	95.97 -0.77 0.00	96.26 -0.58 0.00	96.97 -0.39 0.00
ALCOA___DSASP 323711	74.77 -0.07 0.00	71.89 -0.14 0.00	73.49 -0.22 0.00	75.08 -0.23 0.00	76.73 -0.31 0.00	93.92 -0.38 0.00	97.37 -2.40 0.00	96.82 -1.07 0.00	95.78 -1.46 0.00	80.35 -0.81 0.00	88.98 -1.08 0.00	79.04 -0.80 0.00	70.61 -0.57 0.00	70.49 -0.57 0.00	70.50 -0.64 0.00	78.05 -0.87 0.00	95.68 -1.36 0.00	95.69 -1.75 0.00	97.06 -2.09 0.00	95.68 -1.66 0.00	95.68 -1.56 0.00	95.97 -0.78 0.00	96.17 -0.67 0.00	96.97 -0.39 0.00
ALLEGHENY___COGEN 23514	80.63 -1.80 -7.59	76.59 -1.44 -5.99	76.17 -1.40 -3.87	76.37 -1.28 -2.35	80.46 -1.31 -4.73	96.94 -1.79 -4.45	109.03 -0.10 -9.36	115.49 -0.88 -18.48	106.43 -2.33 -11.53	91.74 -3.65 -14.23	94.37 -3.78 -8.09	84.75 -3.35 -8.26	77.31 -3.56 -9.69	76.98 -3.34 -9.26	78.54 -2.99 -10.38	86.37 -3.00 -10.45	105.16 -2.72 -10.83	111.78 -1.36 -15.70	111.55 -1.09 -13.49	108.61 -1.36 -12.63	106.17 -1.65 -10.59	100.19 -3.10 -6.54	98.26 -2.90 -4.33	97.33 -2.62 -2.59
ALTAMONT_115KV_TB 2 55880	134.14 2.84 -56.45	128.31 2.81 -53.47	117.56 2.87 -40.98	115.65 2.94 -37.41	122.43 3.00 -42.38	126.50 3.68 -28.54	187.79 3.79 -84.23	219.12 3.72 -117.51	196.41 3.89 -95.27	174.83 3.17 -90.50	145.11 3.60 -51.45	135.68 3.27 -52.56	135.74 2.92 -61.64	132.80 2.84 -58.89	140.03 2.85 -66.04	148.57 3.16 -66.50	169.82 3.88 -68.89	206.69 4.00 -105.25	205.02 4.07 -101.81	189.10 3.99 -87.78	168.80 3.99 -67.57	142.37 3.87 -41.76	128.43 3.97 -27.62	130.04 3.80 -28.88
ALTONA_WT_PWR 323606	74.10 -0.75 0.00	71.24 -0.79 0.00	72.68 -1.03 0.00	74.02 -1.28 0.00	75.80 -1.24 0.00	92.97 -1.32 0.00	96.97 -2.79 0.00	95.74 -2.15 0.00	94.71 -2.53 0.00	79.54 -1.62 0.00	87.54 -2.52 0.00	77.37 -2.48 0.00	68.90 -2.28 0.00	68.65 -2.42 0.00	68.86 -2.28 0.00	76.79 -2.13 0.00	94.62 -2.42 0.00	95.49 -1.95 0.00	97.26 -1.89 0.00	95.97 -1.36 0.00	96.17 -1.07 0.00	96.65 -0.10 0.00	96.55 -0.29 0.00	98.13 0.78 0.00
AMERICAN_REF_FUEL 24010	75.30 -6.44 -6.89	71.64 -5.83 -5.44	71.55 -5.67 -3.51	71.64 -5.80 -2.13	75.17 -6.17 -4.30	89.94 -8.39 -4.04	100.88 -7.38 -8.50	105.12 -9.40 -16.62	97.40 -10.21 -10.37	84.95 -9.01 -12.80	88.15 -9.19 -7.28	79.53 -7.74 -7.43	72.43 -7.47 -8.72	72.22 -7.17 -8.33	73.08 -7.40 -9.34	79.72 -8.60 -9.40	95.92 -10.87 -9.75	101.52 -10.03 -14.12	101.38 -9.91 -12.14	98.47 -10.22 -11.35	96.37 -10.40 -9.53	91.51 -11.12 -5.89	90.37 -10.36 -3.89	90.83 -8.86 -2.34
ARKWRIGHT___SUMMIT_WT_PWR 323751	78.50 -3.90 -7.55	74.62 -3.38 -5.97	74.39 -3.17 -3.85	74.41 -3.24 -2.34	78.36 -3.39 -4.71	93.35 -5.37 -4.43	105.99 -3.09 -9.32	111.33 -4.70 -18.13	103.11 -5.44 -11.31	90.16 -4.95 -13.96	93.49 -4.50 -7.93	84.52 -3.43 -8.11	77.13 -3.56 -9.51	76.95 -3.20 -9.08	77.84 -3.48 -10.19	85.06 -4.11 -10.26	102.43 -5.24 -10.63	108.95 -3.90 -15.41	108.73 -3.67 -13.24	105.65 -4.08 -12.39	103.06 -4.57 -10.39	97.66 -5.51 -6.42	96.05 -5.04 -4.25	96.01 -3.90 -2.55
ARTHUR KILL_GT_1 23520	234.41 5.99 -153.57	113.24 5.26 -35.95	103.97 5.38 -24.88	99.26 5.49 -18.46	111.04 5.62 -28.38	124.51 6.50 -23.71	163.21 7.19 -56.26	202.37 7.05 -97.43	171.66 7.78 -66.64	162.66 6.50 -75.01	139.72 7.03 -42.64	129.87 6.46 -43.56	128.11 5.84 -51.09	125.77 5.90 -48.81	133.20 5.90 -56.16	151.77 6.39 -66.47	210.34 8.15 -105.15	224.17 8.28 -118.46	215.35 8.62 -107.57	210.12 7.98 -104.80	210.12 7.87 -105.00	144.64 7.64 -40.26	126.90 7.17 -22.89	225.89 6.14 -122.39
ARTHUR_KILL_2 23512	234.18 5.76 -153.57	113.03 5.04 -35.95	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.23 6.22 -23.71	162.90 6.88 -56.26	202.07 6.75 -97.43	171.37 7.49 -66.64	162.42 6.25 -75.01	139.45 6.76 -42.64	129.64 6.23 -43.56	127.89 5.62 -51.09	125.56 5.69 -48.81	132.99 5.69 -56.16	151.46 6.08 -66.47	210.04 7.86 -105.15	223.89 7.99 -118.46	215.05 8.33 -107.57	209.82 7.69 -104.80	209.83 7.59 -105.00	144.26 7.26 -40.26	126.61 6.88 -22.89	225.59 5.84 -122.39
ARTHUR_KILL_3 23513	232.91 4.49 -153.57	112.30 4.32 -35.95	103.01 4.42 -24.88	98.28 4.52 -18.46	110.04 4.62 -28.38	123.66 5.66 -23.71	106.39 6.09 -0.54	143.43 6.36 -39.17	110.94 7.01 -6.69	102.04 5.85 -15.03	90.91 6.49 5.64	85.35 5.91 0.40	79.99 5.27 -3.54	76.39 5.40 0.07	77.39 5.34 -0.91	77.39 5.69 7.21	79.99 6.99 24.04	83.42 7.31 21.33	90.99 7.23 15.40	83.26 6.91 20.99	79.11 6.70 24.84	77.42 6.58 25.91	76.42 6.49 26.91	225.39 5.64 -122.39



ARTHUR_KILL_COGEN 323718	234.41 5.99 -153.57	113.24 5.26 -35.95	103.97 5.38 -24.88	99.26 5.49 -18.46	111.04 5.62 -28.38	124.51 6.50 -23.71	163.21 7.19 -56.26	202.37 7.05 -97.43	171.66 7.78 -66.64	162.66 6.50 -75.01	139.72 7.03 -42.64	129.87 6.46 -43.56	128.11 5.84 -51.09	125.77 5.90 -48.81	133.20 5.90 -56.16	151.77 6.39 -66.47	210.34 8.15 -105.15	224.17 8.28 -118.46	215.35 8.62 -107.57	210.12 7.98 -104.80	210.12 7.87 -105.00	144.64 7.64 -40.26	126.90 7.17 -22.89	225.89 6.14 -122.39
ASHOKAN____ 23654	126.79 2.09 -49.85	119.82 2.16 -45.63	109.91 2.21 -33.99	107.10 2.34 -29.46	115.64 2.46 -36.14	123.70 3.39 -26.02	175.42 3.89 -71.77	207.87 2.84 -107.13	183.26 3.40 -82.62	166.50 2.43 -82.91	139.53 2.34 -47.13	130.07 2.07 -48.15	129.43 1.78 -56.47	126.79 1.78 -53.95	133.35 1.70 -60.50	142.04 2.21 -60.92	163.05 3.20 -62.81	195.44 3.80 -94.20	192.74 4.07 -89.53	178.68 3.79 -77.55	162.43 3.60 -61.59	137.42 2.61 -38.06	124.63 2.62 -25.17	123.56 2.43 -23.77
ASTORIA_EAST_ENERGY_CC1 323581	122.30 5.02 -42.44	113.18 5.26 -35.90	103.97 5.38 -24.88	99.26 5.49 -18.46	110.97 5.55 -28.38	123.88 5.94 -23.65	162.81 6.79 -56.26	202.37 7.05 -97.43	171.46 7.59 -66.63	162.57 6.41 -75.00	139.72 7.03 -42.64	129.95 6.55 -43.56	128.10 5.84 -51.08	125.76 5.90 -48.80	131.70 5.83 -54.73	140.25 6.23 -55.10	161.82 7.66 -57.11	187.87 7.89 -82.54	182.64 7.94 -75.55	170.94 7.50 -66.11	160.92 7.68 -56.00	139.00 7.64 -34.61	127.09 7.36 -22.89	121.29 6.91 -17.02
ASTORIA_EAST_ENERGY_CC2 323582	122.30 5.02 -42.44	113.18 5.26 -35.90	103.97 5.38 -24.88	99.26 5.49 -18.46	110.97 5.55 -28.38	123.88 5.94 -23.65	162.81 6.79 -56.26	202.37 7.05 -97.43	171.46 7.59 -66.63	162.57 6.41 -75.00	139.72 7.03 -42.64	129.95 6.55 -43.56	128.10 5.84 -51.08	125.76 5.90 -48.80	131.70 5.83 -54.73	140.25 6.23 -55.10	161.82 7.66 -57.11	187.87 7.89 -82.54	182.64 7.94 -75.55	170.94 7.50 -66.11	160.92 7.68 -56.00	139.10 7.74 -34.61	127.09 7.36 -22.89	121.29 6.91 -17.02
ASTORIA_GT2_1 24094	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT2_2 24095	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT2_3 24096	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT2_4 24097	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT3_1 24098	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT3_2 24099	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT3_3 24100	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT3_4 24101	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT4_1 24102	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT4_2 24103	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT4_3 24104	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02



ASTORIA_GT4_4 24105	122.30 5.01 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	123.98 6.03 -23.66	162.80 6.78 -56.26	202.47 7.15 -97.42	171.48 7.58 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	130.05 6.63 -43.58	128.20 5.91 -51.11	125.79 5.90 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.01 7.86 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	171.03 7.59 -66.10	160.81 7.58 -55.99	139.18 7.84 -34.60	127.08 7.36 -22.88	121.29 6.91 -17.02
ASTORIA_GT_1 23523	122.45 5.16 -42.44	113.33 5.41 -35.90	104.12 5.53 -24.88	99.42 5.65 -18.46	111.12 5.70 -28.38	124.16 6.22 -23.65	163.10 7.08 -56.26	202.67 7.35 -97.43	171.74 7.87 -66.63	162.73 6.57 -75.00	139.99 7.29 -42.64	130.19 6.78 -43.56	128.31 6.05 -51.08	125.98 6.11 -48.80	131.91 6.04 -54.73	140.41 6.39 -55.10	162.11 7.96 -57.11	188.17 8.19 -82.54	182.93 8.23 -75.55	171.23 7.79 -66.11	161.11 7.87 -56.00	139.29 7.93 -34.61	127.38 7.65 -22.89	121.48 7.10 -17.02
ASTORIA_GT_10 24110	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	162.90 6.88 -56.26	202.66 7.34 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.52 6.47 -55.13	169.12 8.15 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.10 7.88 -55.99	139.08 7.74 -34.60	126.99 7.26 -22.88	121.00 6.62 -17.02
ASTORIA_GT_11 24225	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	162.90 6.88 -56.26	202.66 7.34 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.52 6.47 -55.13	169.12 8.15 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.10 7.88 -55.99	139.08 7.74 -34.60	126.99 7.26 -22.88	121.00 6.62 -17.02
ASTORIA_GT_12 24226	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	162.90 6.88 -56.26	202.66 7.34 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.52 6.47 -55.13	169.12 8.15 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.10 7.88 -55.99	139.08 7.74 -34.60	126.99 7.26 -22.88	121.00 6.62 -17.02
ASTORIA_GT_13 24227	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	162.90 6.88 -56.26	202.66 7.34 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.52 6.47 -55.13	169.12 8.15 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.10 7.88 -55.99	139.08 7.74 -34.60	126.99 7.26 -22.88	121.00 6.62 -17.02
ASTORIA_GT_5 24106	122.45 5.16 -42.44	113.33 5.40 -35.90	104.12 5.53 -24.88	99.41 5.65 -18.46	111.12 5.70 -28.38	124.17 6.22 -23.66	163.00 6.98 -56.26	202.66 7.34 -97.42	171.68 7.78 -66.66	162.77 6.57 -75.04	140.01 7.29 -42.65	130.21 6.79 -43.58	128.34 6.05 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.44 6.39 -55.13	162.21 8.05 -57.11	188.05 8.09 -82.52	183.01 8.33 -75.53	171.22 7.79 -66.10	161.01 7.78 -55.99	139.37 8.03 -34.60	127.18 7.46 -22.88	121.48 7.11 -17.02
ASTORIA_GT_7 24107	122.45 5.16 -42.44	113.33 5.40 -35.90	104.12 5.53 -24.88	99.41 5.65 -18.46	111.12 5.70 -28.38	124.17 6.22 -23.66	163.00 6.98 -56.26	202.66 7.34 -97.42	171.68 7.78 -66.66	162.77 6.57 -75.04	140.01 7.29 -42.65	130.21 6.79 -43.58	128.34 6.05 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.44 6.39 -55.13	162.21 8.05 -57.11	188.05 8.09 -82.52	183.01 8.33 -75.53	171.22 7.79 -66.10	161.01 7.78 -55.99	139.37 8.03 -34.60	127.18 7.46 -22.88	121.48 7.11 -17.02
ASTORIA_GT_8 24108	122.45 5.16 -42.44	113.33 5.40 -35.90	104.12 5.53 -24.88	99.41 5.65 -18.46	111.12 5.70 -28.38	124.17 6.22 -23.66	163.00 6.98 -56.26	202.66 7.34 -97.42	171.68 7.78 -66.66	162.77 6.57 -75.04	140.01 7.29 -42.65	130.21 6.79 -43.58	128.34 6.05 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.44 6.39 -55.13	162.21 8.05 -57.11	188.05 8.09 -82.52	183.01 8.33 -75.53	171.22 7.79 -66.10	161.01 7.78 -55.99	139.37 8.03 -34.60	127.18 7.46 -22.88	121.48 7.11 -17.02
ASTORIA___2 24149	122.30 5.02 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.26 5.49 -18.46	111.04 5.62 -28.38	123.98 6.04 -23.65	162.90 6.88 -56.26	202.46 7.14 -97.43	171.46 7.59 -66.63	162.57 6.41 -75.00	139.81 7.11 -42.64	130.03 6.62 -43.56	128.10 5.84 -51.08	125.76 5.90 -48.80	131.77 5.90 -54.73	140.25 6.23 -55.10	161.92 7.77 -57.11	187.98 7.99 -82.54	182.73 8.03 -75.55	171.04 7.60 -66.11	160.92 7.68 -56.00	139.10 7.74 -34.61	127.19 7.46 -22.89	121.29 6.91 -17.02
ASTORIA___3 23516	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	163.00 6.98 -56.26	202.67 7.35 -97.43	171.75 7.87 -66.64	162.82 6.66 -75.01	139.99 7.29 -42.64	130.11 6.71 -43.56	128.32 6.05 -51.09	125.99 6.11 -48.81	131.92 6.04 -54.74	140.50 6.47 -55.11	169.02 8.05 -63.93	193.47 8.38 -87.64	184.43 8.42 -76.85	171.43 7.98 -66.11	161.12 7.87 -56.00	139.00 7.64 -34.61	127.19 7.46 -22.89	121.00 6.62 -17.02
ASTORIA___4 23517	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	162.90 6.88 -56.26	202.66 7.34 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.52 6.47 -55.13	169.12 8.15 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.10 7.88 -55.99	139.08 7.74 -34.60	126.99 7.26 -22.88	121.00 6.62 -17.02
ASTORIA___5 23518	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	163.00 6.98 -56.26	202.67 7.35 -97.43	171.75 7.87 -66.64	162.82 6.66 -75.01	139.99 7.29 -42.64	130.11 6.71 -43.56	128.32 6.05 -51.09	125.99 6.11 -48.81	131.92 6.04 -54.74	140.50 6.47 -55.11	169.13 8.15 -63.93	193.47 8.38 -87.64	184.43 8.42 -76.85	171.43 7.98 -66.11	161.12 7.87 -56.00	139.00 7.64 -34.61	127.19 7.46 -22.89	121.00 6.62 -17.02
AST_ENERGY_2_CC3 323677	122.07 4.79 -42.43	112.47 4.54 -35.89	103.24 4.65 -24.88	98.51 4.75 -18.46	110.27 4.86 -28.38	123.79 5.85 -23.66	162.49 6.48 -56.24	201.86 6.56 -97.41	171.05 7.20 -66.61	162.15 6.01 -74.98	139.45 6.76 -42.63	129.55 6.15 -43.56	127.89 5.62 -51.08	125.56 5.69 -48.80	131.49 5.62 -54.73	139.93 5.92 -55.09	161.51 7.37 -57.10	170.79 7.61 -65.75	178.36 7.64 -71.57	170.63 7.20 -66.09	160.42 7.20 -55.98	138.32 6.97 -34.61	126.79 7.07 -22.89	120.51 6.14 -17.02
AST_ENERGY_2_CC4 323678	122.07 4.79 -42.43	112.47 4.54 -35.89	103.24 4.65 -24.88	98.51 4.75 -18.46	110.27 4.86 -28.38	123.79 5.85 -23.66	162.49 6.48 -56.24	201.86 6.56 -97.41	171.05 7.20 -66.61	162.15 6.01 -74.98	139.45 6.76 -42.63	129.55 6.15 -43.56	127.89 5.62 -51.08	125.56 5.69 -48.80	131.49 5.62 -54.73	139.93 5.92 -55.09	161.51 7.37 -57.10	170.79 7.61 -65.75	178.36 7.64 -71.57	170.63 7.20 -66.09	160.42 7.20 -55.98	138.32 6.97 -34.61	126.79 7.07 -22.89	120.51 6.14 -17.02



ATHENS_STG_1 23668	123.39 3.22 -45.33	112.69 3.10 -37.57	102.38 3.17 -25.51	96.51 3.24 -17.97	110.04 3.31 -29.69	124.02 4.05 -25.67	163.07 4.49 -58.82	207.92 4.30 -105.72	172.23 4.67 -70.32	166.41 3.82 -81.44	140.58 4.23 -46.29	130.97 3.83 -47.30	130.07 3.42 -55.47	127.47 3.41 -52.99	133.98 3.41 -59.43	142.46 3.71 -59.84	163.59 4.56 -61.99	190.92 4.68 -88.81	184.46 4.76 -80.54	172.65 4.67 -70.64	162.59 4.57 -60.77	138.76 4.45 -37.56	126.14 4.46 -24.84	118.78 4.09 -17.33
ATHENS_STG_2 23670	123.39 3.22 -45.33	112.69 3.10 -37.57	102.38 3.17 -25.51	96.51 3.24 -17.97	110.04 3.31 -29.69	124.02 4.05 -25.67	163.07 4.49 -58.82	207.92 4.30 -105.72	172.23 4.67 -70.32	166.41 3.82 -81.44	140.58 4.23 -46.29	130.97 3.83 -47.30	130.07 3.42 -55.47	127.47 3.41 -52.99	133.98 3.41 -59.43	142.46 3.71 -59.84	163.59 4.56 -61.99	190.92 4.68 -88.81	184.46 4.76 -80.54	172.65 4.67 -70.64	162.59 4.57 -60.77	138.76 4.45 -37.56	126.14 4.46 -24.84	118.78 4.09 -17.33
ATHENS_STG_3 23677	123.39 3.22 -45.33	112.69 3.10 -37.57	102.38 3.17 -25.51	96.51 3.24 -17.97	110.04 3.31 -29.69	124.02 4.05 -25.67	163.07 4.49 -58.82	207.92 4.30 -105.72	172.23 4.67 -70.32	166.41 3.82 -81.44	140.58 4.23 -46.29	130.97 3.83 -47.30	130.07 3.42 -55.47	127.47 3.41 -52.99	133.98 3.41 -59.43	142.46 3.71 -59.84	163.59 4.56 -61.99	190.92 4.68 -88.81	184.46 4.76 -80.54	172.65 4.67 -70.64	162.59 4.57 -60.77	138.76 4.45 -37.56	126.14 4.46 -24.84	118.78 4.09 -17.33
AUBURN___LFGE 323710	80.06 -0.60 -5.82	76.05 -0.58 -4.60	76.16 -0.52 -2.96	76.58 -0.53 -1.80	80.13 -0.54 -3.63	96.95 -0.75 -3.41	106.94 0.00 -7.18	112.51 0.39 -14.22	106.09 -0.10 -8.94	91.71 -0.49 -11.04	95.97 -0.36 -6.27	85.77 -0.48 -6.41	78.27 -0.43 -7.52	77.68 -0.57 -7.18	78.70 -0.50 -8.05	86.47 -0.55 -8.11	104.79 -0.58 -8.34	109.54 -0.10 -12.19	109.75 0.10 -10.50	106.94 -0.19 -9.80	105.09 -0.39 -8.24	100.67 -1.16 -5.09	98.95 -1.26 -3.37	98.07 -1.27 -1.98
BABYLON_RES_REC 323704	131.70 6.96 -49.89	116.63 6.62 -37.98	112.63 6.78 -32.14	116.69 6.92 -34.47	116.72 7.08 -32.60	141.00 8.77 -37.94	186.62 9.28 -77.57	214.65 9.40 -107.36	197.40 9.72 -90.43	165.80 7.79 -76.85	156.13 8.83 -57.24	153.36 7.91 -65.62	148.83 7.12 -70.54	147.30 7.25 -68.98	151.60 7.26 -73.20	162.36 7.81 -75.63	166.49 10.39 -59.06	207.50 10.13 -99.93	214.24 10.31 -104.78	187.18 9.83 -80.02	168.88 9.72 -61.92	149.46 9.29 -43.43	140.85 9.59 -34.42	140.80 8.86 -34.59
BABYLON__69_KV_BK2 356345	132.90 8.16 -49.89	117.79 7.78 -37.98	113.74 7.89 -32.14	117.90 8.13 -34.47	118.04 8.40 -32.60	142.60 10.37 -37.94	187.22 9.88 -77.58	215.44 10.18 -107.36	205.08 10.31 -97.54	170.34 8.36 -80.82	161.56 9.46 -62.05	158.06 8.38 -69.84	149.36 7.62 -70.56	147.82 7.75 -69.01	152.19 7.83 -73.23	171.00 8.37 -83.72	168.33 12.23 -59.07	208.95 10.91 -100.59	215.95 11.10 -105.69	188.05 10.71 -80.01	171.14 10.50 -63.40	151.11 9.96 -44.40	141.81 10.56 -34.42	142.17 10.22 -34.59
BALL_HILL_WT_PWR 323825	77.59 -4.57 -7.31	73.78 -4.03 -5.78	73.60 -3.84 -3.73	73.65 -3.92 -2.27	77.44 -4.16 -4.56	92.45 -6.13 -4.29	104.40 -4.39 -9.03	109.45 -6.07 -17.62	101.33 -6.90 -11.00	88.48 -6.25 -13.57	91.64 -6.13 -7.71	82.69 -5.03 -7.88	75.44 -4.98 -9.24	75.20 -4.69 -8.83	76.14 -4.91 -9.90	83.20 -5.68 -9.97	100.09 -7.28 -10.33	106.37 -6.04 -14.98	106.18 -5.85 -12.87	103.15 -6.23 -12.04	100.73 -6.62 -10.10	95.54 -7.45 -6.24	94.10 -6.87 -4.13	94.19 -5.65 -2.48
BARON_WINDS___WT_PWR 323822	82.01 -2.84 -10.01	78.03 -2.59 -8.59	77.32 -2.43 -6.04	77.45 -2.48 -4.63	81.36 -2.47 -6.79	96.03 -3.77 -5.52	110.96 -2.29 -13.48	117.70 -3.04 -22.84	109.20 -3.99 -15.95	94.52 -4.22 -17.58	95.82 -4.23 -10.00	86.38 -3.67 -10.21	79.60 -3.56 -11.98	79.10 -3.41 -11.44	80.49 -3.48 -12.83	88.05 -3.79 -12.92	106.16 -4.27 -13.39	113.86 -3.02 -19.45	114.18 -2.88 -17.90	109.79 -3.21 -15.66	106.93 -3.41 -13.09	100.49 -4.35 -8.09	98.13 -4.06 -5.35	97.92 -3.60 -4.16
BARRETT_IC_1 23704	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_10 23701	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_11 23702	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_12 23703	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_2 23705	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_3 23706	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_4 23707	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59



BARRETT_IC_5 23708	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_6 23709	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_7 23710	130.20 5.46 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	184.91 7.58 -77.57	212.98 7.73 -107.35	192.47 8.17 -87.06	162.88 6.74 -74.99	152.67 7.65 -54.96	150.40 6.95 -63.62	148.00 6.26 -70.55	146.24 6.18 -69.00	150.61 6.26 -73.21	157.40 6.71 -71.78	164.54 8.44 -59.06	205.40 8.38 -99.58	212.09 8.63 -104.31	185.51 8.18 -80.00	166.79 8.36 -61.19	147.72 8.03 -42.95	139.00 7.75 -34.41	139.05 7.11 -34.59
BARRETT_IC_8 23711	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT_IC_9 23700	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT___1 23545	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BARRETT___2 23546	130.28 5.54 -49.89	115.34 5.33 -37.98	111.45 5.60 -32.14	115.34 5.57 -34.47	115.34 5.70 -32.60	139.02 6.79 -37.94	185.02 7.68 -77.57	212.98 7.73 -107.35	192.54 8.26 -87.04	162.85 6.73 -74.96	152.65 7.65 -54.95	150.38 6.94 -63.60	147.90 6.19 -70.53	146.30 6.26 -68.98	150.60 6.26 -73.19	157.37 6.70 -71.76	164.54 8.44 -59.06	205.52 8.47 -99.60	212.01 8.53 -104.33	185.53 8.18 -80.01	166.71 8.26 -61.20	147.64 7.93 -42.96	139.10 7.84 -34.42	139.05 7.10 -34.59
BATAVIA___115KV_TB1 55881	78.00 -3.29 -6.44	74.39 -2.74 -5.09	74.34 -2.65 -3.28	74.66 -2.64 -2.00	78.28 -2.77 -4.02	94.11 -3.96 -3.78	103.83 -3.89 -7.95	109.34 -4.11 -15.55	101.51 -5.45 -9.72	87.95 -5.19 -11.99	92.01 -4.86 -6.82	82.73 -4.07 -6.96	75.72 -3.63 -8.17	74.96 -3.91 -7.80	76.12 -3.77 -8.75	83.31 -4.42 -8.81	100.63 -5.53 -9.12	106.01 -4.68 -13.25	106.19 -4.36 -11.40	103.21 -4.77 -10.65	101.23 -4.96 -8.95	96.28 -6.00 -5.53	94.69 -5.81 -3.66	95.07 -4.48 -2.19
BAYONEEC___CTG1 323682	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG10 323750	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG2 323683	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG3 323684	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG4 323685	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG5 323686	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG6 323687	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23



BAYONEEC___CTG7 323688	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG8 323689	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BAYONEEC___CTG9 323749	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.60 6.58 -56.25	202.03 6.75 -97.39	171.23 7.39 -66.60	162.30 6.17 -74.97	139.50 6.84 -42.61	129.60 6.23 -43.53	106.31 5.62 -29.51	103.44 5.75 -26.62	106.47 5.69 -29.64	106.47 6.08 -21.48	110.81 7.47 -6.30	116.86 7.80 -11.62	124.27 7.74 -17.38	116.75 7.30 -12.11	110.25 7.30 -5.71	108.29 7.06 -4.48	104.10 6.98 -0.29	118.62 6.04 -15.23
BEACON___LESR 323632	136.52 3.74 -57.93	132.10 3.67 -56.39	121.69 3.83 -44.15	121.02 3.91 -41.80	125.69 3.93 -44.72	127.79 4.99 -28.50	193.78 5.09 -88.93	220.16 4.89 -117.37	201.84 5.05 -99.55	175.81 4.22 -90.43	146.50 5.04 -51.41	136.91 4.55 -52.52	136.61 3.84 -61.59	133.60 3.69 -58.85	140.69 3.56 -65.99	149.38 4.02 -66.44	170.90 5.04 -68.81	209.56 5.36 -106.77	209.38 5.45 -104.78	192.60 5.25 -90.01	169.86 5.15 -67.47	143.18 4.74 -41.70	129.26 4.84 -27.58	133.81 5.16 -31.29
BEAVER RIVER___HYD 24048	79.12 2.47 -1.81	75.55 2.09 -1.43	76.69 2.06 -0.92	78.05 2.19 -0.56	80.48 2.31 -1.13	98.37 3.02 -1.06	105.39 3.39 -2.23	106.26 4.02 -4.35	103.35 3.40 -2.71	86.94 2.43 -3.35	94.39 2.43 -1.90	83.94 2.16 -1.94	75.38 1.92 -2.28	75.09 1.84 -2.18	75.50 1.92 -2.44	83.42 2.05 -2.46	102.60 3.01 -2.55	103.90 3.12 -3.34	105.47 3.17 -3.14	102.75 2.92 -2.49	102.53 2.82 -2.47	100.78 2.51 -1.52	100.36 2.51 -1.01	100.40 2.43 -0.60
BEEBEE_GT_13 23619	78.20 -2.32 -5.68	74.57 -1.94 -4.49	74.69 -1.92 -2.89	75.18 -1.88 -1.76	78.58 -2.00 -3.54	94.79 -2.83 -3.33	104.08 -2.69 -7.01	108.89 -2.74 -13.73	102.22 -3.60 -8.58	88.26 -3.49 -10.59	92.92 -3.15 -6.02	83.27 -2.71 -6.15	75.97 -2.42 -7.21	75.32 -2.63 -6.89	76.30 -2.56 -7.72	83.69 -3.00 -7.78	101.31 -3.78 -8.05	105.91 -3.22 -11.69	106.24 -2.97 -10.07	103.51 -3.21 -9.38	101.74 -3.40 -7.90	97.27 -4.35 -4.88	95.81 -4.26 -3.23	95.88 -3.41 -1.93
BENSHRST_27_KV_BENSHRST_1 355998	234.63 6.21 -153.57	113.68 5.69 -35.95	104.42 5.82 -24.88	99.71 5.95 -18.46	111.50 6.09 -28.38	125.08 7.07 -23.71	163.90 7.88 -56.26	203.54 8.22 -97.42	172.75 8.85 -66.66	163.66 7.47 -75.04	140.91 8.20 -42.65	130.93 7.51 -43.58	129.05 6.76 -51.11	126.64 6.75 -48.83	134.08 6.76 -56.18	152.66 7.26 -66.49	211.40 9.22 -105.15	225.33 9.45 -118.43	216.42 9.72 -107.55	211.17 9.05 -104.78	211.17 8.95 -104.99	145.70 8.71 -40.25	127.86 8.13 -22.88	226.96 7.20 -122.39
BETHLEHEM___GRP 23843	135.78 2.47 -58.47	131.80 2.45 -57.32	121.40 2.58 -45.11	121.10 2.71 -43.09	125.12 2.62 -45.46	126.24 3.39 -28.56	193.17 2.99 -90.42	218.44 2.94 -117.61	201.36 3.21 -100.91	174.34 2.60 -90.58	144.88 3.33 -51.49	135.56 3.11 -52.61	135.58 2.70 -61.69	132.64 2.63 -58.94	139.66 2.42 -66.10	148.15 2.68 -66.55	169.20 3.20 -68.95	208.32 3.41 -107.47	208.49 3.47 -105.87	191.51 3.31 -90.86	168.18 3.31 -67.63	141.73 3.19 -41.80	128.16 3.68 -27.64	132.98 3.60 -32.02
BETHLEHEM___GS1 323560	135.78 2.47 -58.47	131.80 2.45 -57.32	121.40 2.58 -45.11	121.10 2.71 -43.09	125.12 2.62 -45.46	126.24 3.39 -28.56	193.27 3.10 -90.42	218.44 2.93 -117.61	201.38 3.20 -100.93	174.36 2.60 -90.61	144.90 3.33 -51.51	135.58 3.11 -52.62	135.53 2.64 -61.71	132.58 2.55 -58.96	139.68 2.42 -66.12	148.17 2.68 -66.57	169.19 3.20 -68.95	208.28 3.41 -107.43	208.46 3.47 -105.84	191.48 3.31 -90.84	168.16 3.31 -67.61	141.62 3.10 -41.78	127.77 3.29 -27.63	132.98 3.60 -32.02
BETHLEHEM___GS2 323561	135.78 2.47 -58.47	131.80 2.45 -57.32	121.40 2.58 -45.11	121.10 2.71 -43.09	125.12 2.62 -45.46	126.24 3.39 -28.56	193.27 3.10 -90.42	218.44 2.93 -117.61	201.38 3.20 -100.93	174.36 2.60 -90.61	144.90 3.33 -51.51	135.58 3.11 -52.62	135.53 2.64 -61.71	132.58 2.55 -58.96	139.68 2.42 -66.12	148.17 2.68 -66.57	169.19 3.20 -68.95	208.28 3.41 -107.43	208.46 3.47 -105.84	191.48 3.31 -90.84	168.16 3.31 -67.61	141.62 3.10 -41.78	127.77 3.29 -27.63	132.98 3.60 -32.02
BETHLEHEM___GS3 323562	135.78 2.47 -58.47	131.80 2.45 -57.32	121.40 2.58 -45.11	121.10 2.71 -43.09	125.12 2.62 -45.46	126.24 3.39 -28.56	193.27 3.10 -90.42	218.44 2.93 -117.61	201.38 3.20 -100.93	174.36 2.60 -90.61	144.90 3.33 -51.51	135.58 3.11 -52.62	135.53 2.64 -61.71	132.58 2.55 -58.96	139.68 2.42 -66.12	148.17 2.68 -66.57	169.19 3.20 -68.95	208.28 3.41 -107.43	208.46 3.47 -105.84	191.48 3.31 -90.84	168.16 3.31 -67.61	141.62 3.10 -41.78	127.77 3.29 -27.63	132.98 3.60 -32.02
BETHLEHEM___STEEL 23779	77.29 -4.86 -7.31	73.41 -4.39 -5.77	73.23 -4.20 -3.72	73.27 -4.29 -2.26	77.13 -4.47 -4.56	92.07 -6.51 -4.28	102.40 -6.38 -9.02	108.83 -6.66 -17.59	100.35 -7.88 -10.99	87.98 -6.74 -13.56	91.10 -6.66 -7.71	82.21 -5.51 -7.88	75.51 -4.91 -9.24	74.70 -5.19 -8.82	75.63 -5.41 -9.90	82.64 -6.23 -9.96	99.40 -7.96 -10.32	105.62 -6.82 -15.00	105.40 -6.64 -12.90	102.39 -7.01 -12.06	100.07 -7.29 -10.12	94.87 -8.13 -6.25	93.13 -7.84 -4.14	93.60 -6.23 -2.47
BETHLHEM_115KV_TB1 79974	135.22 2.47 -57.91	130.76 2.45 -56.28	120.37 2.65 -44.00	119.59 2.71 -41.58	124.37 2.70 -44.63	126.22 3.39 -28.54	191.70 3.19 -88.75	218.44 3.03 -117.51	199.93 3.31 -99.38	174.43 2.76 -90.51	144.84 3.33 -51.45	135.60 3.19 -52.56	135.53 2.70 -61.64	132.59 2.63 -58.90	139.68 2.49 -66.05	148.18 2.76 -66.50	169.24 3.30 -68.90	207.78 3.51 -106.83	207.47 3.57 -104.75	190.75 3.41 -90.00	168.22 3.40 -67.58	141.80 3.29 -41.76	128.24 3.78 -27.62	132.14 3.60 -31.18
BETHPAGE_CC_5 323564	130.58 5.84 -49.89	115.63 5.62 -37.98	111.53 5.68 -32.14	115.65 5.88 -34.47	115.65 6.01 -32.60	139.49 7.26 -37.94	185.41 8.08 -77.57	213.37 8.12 -107.35	192.93 8.65 -87.04	163.10 6.98 -74.96	152.93 7.93 -54.95	150.70 7.26 -63.60	148.26 6.54 -70.53	146.65 6.61 -68.98	150.95 6.62 -73.19	157.69 7.02 -71.76	164.93 8.83 -59.06	206.11 9.06 -99.60	212.60 9.12 -104.33	186.01 8.66 -80.01	167.00 8.56 -61.20	148.12 8.41 -42.96	139.68 8.42 -34.42	139.54 7.60 -34.59
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	77.23 -5.01 -7.39	73.41 -4.47 -5.84	73.20 -4.28 -3.77	73.15 -4.44 -2.29	77.03 -4.62 -4.61	91.93 -6.69 -4.33	102.41 -6.48 -9.13	109.03 -6.66 -17.79	100.48 -7.88 -11.11	88.14 -6.74 -13.71	91.10 -6.75 -7.80	82.22 -5.59 -7.96	75.61 -4.91 -9.34	74.80 -5.19 -8.92	75.81 -5.34 -10.01	82.76 -6.23 -10.08	99.61 -7.86 -10.43	105.89 -6.72 -15.17	105.65 -6.54 -13.04	102.63 -6.91 -12.20	100.28 -7.20 -10.23	95.04 -8.03 -6.32	93.28 -7.75 -4.18	93.63 -6.23 -2.50



BINGHAMTON___COGEN 23790	88.68 -0.37 -14.20	84.02 -0.29 -12.28	82.18 -0.22 -8.69	81.85 -0.23 -6.77	86.52 -0.23 -9.71	101.60 -0.47 -7.78	118.93 -0.10 -19.27	130.08 0.10 -32.09	119.60 -0.29 -22.65	105.32 -0.57 -24.73	103.66 -0.45 -14.06	93.80 -0.40 -14.36	87.67 -0.36 -16.84	86.66 -0.50 -16.09	88.69 -0.50 -18.05	96.61 -0.47 -18.17	115.47 -0.39 -18.81	125.08 0.10 -27.54	124.74 0.20 -25.39	119.60 0.00 -22.27	115.50 -0.19 -18.45	107.47 -0.68 -11.40	103.61 -0.77 -7.54	102.57 -0.78 -5.99
BIXINCNT_115KV_LOAD 355685	77.59 -5.54 -8.28	74.02 -5.11 -7.10	73.76 -4.94 -4.99	74.08 -5.05 -3.82	77.49 -5.16 -5.62	91.32 -7.54 -4.57	102.20 -7.18 -9.62	109.51 -7.05 -18.67	100.54 -8.36 -11.66	88.57 -6.98 -14.39	90.94 -7.29 -8.18	82.21 -5.99 -8.36	75.78 -5.20 -9.80	75.24 -5.19 -9.36	76.30 -5.34 -10.50	83.57 -5.92 -10.57	100.90 -7.08 -10.94	107.61 -5.75 -15.92	107.28 -5.55 -13.68	104.30 -5.84 -12.81	101.75 -6.22 -10.74	96.41 -6.97 -6.63	94.35 -6.88 -4.39	94.43 -5.55 -2.63
BLACK RIVER___HYD 24047	80.37 3.00 -2.53	76.62 2.59 -2.00	77.58 2.58 -1.29	78.79 2.71 -0.78	81.38 2.77 -1.58	99.35 3.58 -1.48	107.57 4.69 -3.12	109.42 5.48 -6.04	105.68 4.67 -3.77	89.06 3.25 -4.65	95.85 3.15 -2.64	85.26 2.72 -2.70	76.70 2.35 -3.17	76.36 2.27 -3.03	76.88 2.34 -3.39	85.09 2.76 -3.42	104.75 4.17 -3.54	106.83 4.68 -4.71	108.44 4.86 -4.43	105.23 4.38 -3.51	104.90 4.18 -3.48	102.37 3.48 -2.15	101.56 3.29 -1.42	101.42 3.21 -0.85
BLACKRVR_115KV_TB2 79977	80.37 2.99 -2.53	76.62 2.59 -2.00	77.58 2.58 -1.29	78.80 2.71 -0.78	81.39 2.77 -1.58	99.36 3.58 -1.48	107.67 4.79 -3.12	109.45 5.48 -6.07	105.58 4.57 -3.77	89.06 3.25 -4.65	95.85 3.15 -2.64	85.26 2.71 -2.70	76.77 2.42 -3.17	76.37 2.27 -3.03	76.88 2.35 -3.40	85.10 2.76 -3.42	104.77 4.17 -3.56	106.82 4.68 -4.70	108.44 4.86 -4.42	105.23 4.38 -3.51	104.89 4.18 -3.47	102.37 3.48 -2.15	101.55 3.29 -1.42	101.42 3.21 -0.85
BLISS_WT_PWR 323608	77.44 -5.69 -8.28	73.88 -5.26 -7.10	73.61 -5.09 -4.99	74.00 -5.12 -3.82	77.34 -5.31 -5.62	91.13 -7.73 -4.57	103.20 -6.19 -9.62	109.23 -7.34 -18.68	100.53 -8.36 -11.66	88.40 -7.14 -14.38	90.67 -7.56 -8.18	81.97 -6.23 -8.35	75.14 -5.84 -9.80	75.09 -5.33 -9.36	76.16 -5.48 -10.50	83.56 -5.92 -10.57	100.91 -7.08 -10.95	107.67 -5.65 -15.88	107.35 -5.45 -13.65	104.37 -5.74 -12.78	101.83 -6.12 -10.71	96.40 -6.97 -6.62	94.73 -6.49 -4.38	94.53 -5.45 -2.63
BLUESTONE___WT_PWR 323821	95.27 4.49 -15.94	90.74 4.18 -14.53	88.78 4.27 -10.79	89.04 4.44 -9.30	93.17 4.62 -11.51	108.48 5.85 -8.35	130.41 7.79 -22.86	140.35 8.03 -34.42	130.91 7.39 -26.51	113.11 5.44 -15.07	110.89 5.77 -15.40	100.03 4.79 -15.40	93.29 4.06 -18.05	92.29 3.98 -17.25	94.54 4.05 -19.34	103.21 4.81 -19.48	124.01 6.79 -20.18	135.61 7.70 -30.47	135.71 7.94 -28.62	129.87 7.30 -25.23	124.01 7.01 -19.76	115.15 6.20 -12.21	110.92 6.01 -8.08	110.84 5.94 -7.54
BLUE_CIRC_CHEM_DRP 24182	134.93 5.16 -54.92	129.05 5.11 -51.90	118.72 5.31 -39.70	116.85 5.42 -36.13	123.57 5.39 -41.14	128.81 6.69 -27.82	188.10 6.58 -81.75	218.53 6.07 -114.56	195.53 5.74 -92.55	173.94 4.54 -88.24	145.44 5.22 -50.16	135.64 4.55 -51.25	135.27 3.99 -60.10	132.39 3.91 -57.42	139.37 3.84 -64.39	148.32 4.58 -64.83	170.03 5.82 -67.17	206.28 6.24 -102.60	204.71 6.44 -99.12	189.15 6.33 -85.48	169.52 6.32 -65.96	143.60 6.09 -40.76	130.48 6.68 -26.96	132.04 6.72 -27.97
BOC_GAS_DRP 24189	132.11 2.47 -54.79	125.00 2.45 -50.51	114.08 2.51 -37.86	111.05 2.56 -33.19	119.67 2.62 -40.02	125.91 3.21 -28.41	182.53 3.29 -79.48	218.12 3.23 -116.99	191.52 3.40 -90.88	174.11 2.84 -90.11	144.52 3.24 -51.22	135.13 2.95 -52.33	135.19 2.63 -61.37	132.26 2.56 -58.64	139.46 2.56 -65.76	147.96 2.84 -66.21	169.03 3.40 -68.59	204.23 3.51 -103.28	201.23 3.57 -98.51	186.08 3.50 -85.24	168.02 3.50 -67.28	141.71 3.39 -41.58	127.83 3.49 -27.50	127.18 3.31 -26.52
BOONVILLE_115KV_TB1 79983	79.19 2.84 -1.50	75.81 2.59 -1.18	77.13 2.65 -0.76	78.48 2.71 -0.46	80.75 2.77 -0.94	98.75 3.58 -0.88	106.00 4.39 -1.85	106.20 4.70 -3.61	103.79 4.28 -2.27	87.21 3.25 -2.80	95.07 3.42 -1.59	84.42 2.95 -1.63	75.72 2.63 -1.91	75.44 2.56 -1.82	75.75 2.56 -2.04	83.89 2.92 -2.06	103.13 3.98 -2.12	104.46 4.19 -2.83	106.08 4.26 -2.66	103.44 3.99 -2.11	103.22 3.89 -2.09	101.52 3.48 -1.29	101.08 3.39 -0.85	101.17 3.31 -0.51
BORALEX_4TH_BRANCH 23824	144.53 5.46 -64.22	145.70 5.26 -68.41	136.15 5.38 -57.06	140.39 5.50 -59.59	137.09 5.70 -54.35	129.74 6.88 -28.56	215.61 7.58 -108.27	222.95 7.44 -117.61	222.05 7.68 -117.13	177.75 6.01 -90.58	148.21 6.66 -51.49	138.28 5.83 -52.61	138.00 5.13 -61.70	135.20 5.19 -58.95	142.51 5.26 -66.10	151.39 5.92 -66.55	173.37 7.38 -68.96	218.81 7.70 -113.67	224.54 7.93 -117.46	204.68 7.69 -99.66	172.55 7.68 -67.62	145.98 7.45 -41.79	131.84 7.36 -27.64	145.59 7.11 -41.13
BOWLINE___1 23526	118.87 3.52 -40.51	109.64 3.39 -34.22	100.86 3.47 -23.69	96.36 3.54 -17.52	107.71 3.62 -27.06	121.33 4.43 -22.61	158.48 5.09 -53.63	196.10 5.54 -93.11	166.32 5.54 -63.54	157.44 4.62 -71.66	135.83 5.04 -40.73	126.09 4.63 -41.62	124.11 4.13 -48.81	121.89 4.19 -46.63	127.63 4.20 -52.29	136.06 4.50 -52.65	157.26 5.63 -54.59	182.14 5.85 -78.85	177.22 5.95 -72.12	166.10 5.64 -63.12	156.40 5.64 -53.52	135.14 5.32 -33.08	123.94 5.23 -21.88	118.13 4.58 -16.19
BOWLINE___2 23595	119.02 3.67 -40.51	109.79 3.53 -34.22	101.01 3.61 -23.69	96.51 3.69 -17.52	107.87 3.77 -27.06	121.52 4.62 -22.61	158.68 5.28 -53.64	196.30 5.28 -93.12	166.52 5.74 -63.55	157.53 4.71 -71.67	136.02 5.22 -40.74	126.25 4.79 -41.62	124.26 4.27 -48.81	122.03 4.34 -46.64	127.71 4.27 -52.30	136.23 4.65 -52.66	157.46 5.82 -54.60	182.35 6.04 -78.86	177.43 6.15 -72.13	166.21 5.74 -63.13	156.51 5.74 -53.53	135.24 5.41 -33.08	124.14 5.42 -21.88	118.23 4.67 -16.20
BRADY___115KV_TB2 356060	75.82 0.97 0.00	72.83 0.79 0.00	74.45 0.74 0.00	76.06 0.75 0.00	77.73 0.69 0.00	95.14 0.85 0.00	100.36 0.60 0.00	98.29 0.39 0.00	97.05 -0.19 0.00	81.24 0.08 0.00	89.88 -0.18 0.00	79.84 0.00 0.00	71.18 0.00 0.00	71.14 0.07 0.00	71.21 0.07 0.00	78.84 -0.08 0.00	96.75 -0.29 0.00	96.66 -0.78 0.00	98.06 -1.09 0.00	96.56 -0.78 0.00	96.56 -0.68 0.00	96.84 0.10 0.00	97.32 0.48 0.00	98.04 0.68 0.00
BRANSCOMB___SOLAR 323811	151.23 5.46 -70.92	157.01 5.26 -79.72	147.85 5.38 -68.77	155.99 5.49 -75.19	146.06 5.62 -63.40	129.81 6.13 -29.40	233.06 6.88 -126.42	225.61 6.66 -121.05	238.12 6.70 -134.17	179.76 5.36 -93.25	149.10 6.03 -53.01	139.03 5.03 -54.15	139.10 4.41 -63.51	136.00 4.26 -60.68	143.45 4.27 -68.04	152.32 4.89 -68.51	174.32 6.30 -70.97	226.31 6.72 -122.15	236.61 6.84 -130.62	213.85 6.62 -109.89	173.44 6.62 -69.59	146.91 7.16 -43.00	132.45 7.17 -28.44	154.25 6.91 -49.98
BRENTWOD_69_KV_W. BRTWOOD 56703	132.97 8.23 -49.89	117.86 7.85 -37.98	113.81 7.96 -32.14	117.98 8.21 -34.47	118.11 8.47 -32.60	142.69 10.47 -37.94	186.62 9.28 -77.58	214.85 9.59 -107.36	201.61 9.53 -94.84	168.27 7.79 -79.32	159.02 8.74 -60.23	155.74 7.66 -68.24	148.72 6.98 -70.56	147.32 7.25 -69.01	151.62 7.26 -73.22	167.22 7.65 -80.65	168.24 12.13 -59.07	207.81 10.04 -100.33	214.70 10.21 -105.34	187.27 9.93 -80.01	169.70 9.63 -62.83	149.87 9.09 -44.03	141.52 10.27 -34.41	141.98 10.03 -34.59



BRISTLHL_115KV_TB1 79998	76.70 -2.10 -3.95	73.13 -2.02 -3.12	73.73 -1.99 -2.01	74.49 -2.03 -1.22	77.42 -2.08 -2.46	93.96 -2.64 -2.31	102.34 -2.29 -4.87	105.33 -2.06 -9.49	100.70 -2.43 -5.89	86.08 -2.35 -7.27	91.76 -2.43 -4.13	81.83 -2.24 -4.22	74.14 -1.99 -4.95	73.66 -2.13 -4.73	74.46 -1.99 -5.31	82.13 -2.13 -5.34	100.08 -2.52 -5.56	102.55 -2.24 -7.35	103.99 -2.08 -6.92	100.58 -2.24 -5.49	100.33 -2.33 -5.43	97.20 -2.90 -3.35	96.15 -2.91 -2.22	95.68 -3.02 -1.34
BROOKHAVEN___DRP 24191	132.15 7.41 -49.89	117.07 7.06 -37.98	113.07 7.22 -32.14	117.22 7.45 -34.47	117.34 7.70 -32.60	141.75 9.52 -37.94	187.61 10.18 -77.67	215.72 10.38 -107.45	273.05 10.50 -165.30	208.22 8.52 -118.54	207.51 9.55 -107.91	198.40 8.46 -110.10	149.45 7.62 -70.65	147.84 7.67 -69.10	152.21 7.75 -73.31	248.19 8.29 -160.99	166.53 10.38 -59.10	215.02 10.43 -107.15	224.31 10.51 -114.65	187.75 10.32 -80.10	185.16 10.21 -77.71	160.51 9.96 -53.80	141.56 10.27 -34.45	141.62 9.64 -34.63
BROOKLYN_NAVY_YARD 23515	122.13 4.86 -42.43	112.54 4.61 -35.89	103.31 4.72 -24.88	98.51 4.75 -18.46	110.35 4.93 -28.38	123.99 6.04 -23.66	162.80 6.79 -56.25	202.26 6.95 -97.42	171.55 7.68 -66.63	162.57 6.41 -75.00	139.72 7.03 -42.63	129.86 6.46 -43.56	128.10 5.84 -51.08	125.84 5.97 -48.80	131.71 5.83 -54.73	140.25 6.23 -55.10	161.92 7.77 -57.12	188.07 8.08 -82.54	182.83 8.13 -75.55	171.04 7.60 -66.11	160.92 7.68 -56.00	138.61 7.26 -34.61	127.00 7.27 -22.89	120.61 6.24 -17.02
BROOKLYN___ARMY_DRP 323595	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
BROOKVLE_69_KV_TB1 55790	131.03 6.29 -49.89	115.99 5.98 -37.98	111.97 6.12 -32.14	116.02 6.25 -34.47	116.03 6.39 -32.60	140.15 7.92 -37.94	186.21 8.88 -77.57	214.25 9.01 -107.35	193.93 9.63 -87.06	164.02 7.87 -74.99	153.93 8.92 -54.96	151.52 8.06 -63.62	149.06 7.33 -70.55	147.31 7.25 -69.00	151.61 7.26 -73.21	158.50 7.81 -71.78	165.90 9.80 -59.06	206.96 9.94 -99.58	213.67 10.21 -104.31	186.97 9.64 -80.00	167.96 9.53 -61.19	148.88 9.19 -42.95	140.06 8.81 -34.41	140.12 8.18 -34.59
BROOME_2_LFGE 323671	88.68 -0.37 -14.20	84.03 -0.29 -12.28	82.18 -0.22 -8.69	81.85 -0.23 -6.77	86.52 -0.23 -9.71	101.61 -0.47 -7.78	119.33 0.30 -19.27	130.10 0.10 -32.11	119.70 -0.19 -22.65	105.32 -0.56 -24.72	103.66 -0.45 -14.05	93.80 -0.40 -14.36	87.45 -0.57 -16.84	86.66 -0.49 -16.09	88.69 -0.49 -18.04	96.61 -0.47 -18.17	115.48 -0.39 -18.82	125.05 0.10 -27.51	124.71 0.20 -25.36	119.58 0.00 -22.24	115.48 -0.19 -18.43	107.36 -0.78 -11.39	103.70 -0.67 -7.53	102.56 -0.78 -5.99
BROOME___LFGE 323600	88.68 -0.37 -14.20	84.03 -0.29 -12.28	82.18 -0.22 -8.69	81.85 -0.23 -6.77	86.52 -0.23 -9.71	101.61 -0.47 -7.78	119.33 0.30 -19.27	130.10 0.10 -32.11	119.70 -0.19 -22.65	105.32 -0.56 -24.72	103.66 -0.45 -14.05	93.80 -0.40 -14.36	87.45 -0.57 -16.84	86.66 -0.49 -16.09	88.69 -0.49 -18.04	96.61 -0.47 -18.17	115.48 -0.39 -18.82	125.05 0.10 -27.51	124.71 0.20 -25.36	119.58 0.00 -22.24	115.48 -0.19 -18.43	107.36 -0.78 -11.39	103.70 -0.67 -7.53	102.56 -0.78 -5.99
BROWNFLS_115KV_TB_3_5 80003	77.80 1.65 -1.30	74.43 1.37 -1.03	75.70 1.33 -0.66	77.14 1.43 -0.40	79.31 1.46 -0.81	96.85 1.79 -0.76	103.47 2.10 -1.61	102.99 1.96 -3.13	100.46 1.26 -1.95	84.54 0.97 -2.41	92.42 0.99 -1.37	82.36 1.12 -1.40	73.82 1.00 -1.64	73.56 0.92 -1.57	73.83 0.92 -1.76	81.40 0.71 -1.77	99.75 0.87 -1.84	100.37 0.49 -2.44	101.74 0.30 -2.29	99.45 0.29 -1.82	99.33 0.29 -1.80	98.44 0.58 -1.11	98.64 1.07 -0.74	98.85 1.07 -0.42
BROWNSV1_27_KV_LOAD 356125	122.81 5.54 -42.43	113.18 5.26 -35.89	103.90 5.31 -24.88	99.19 5.42 -18.46	111.04 5.62 -28.38	124.74 6.79 -23.66	163.50 7.48 -56.25	203.04 7.73 -97.41	172.26 8.36 -66.65	163.25 7.06 -75.03	140.45 7.74 -42.65	130.52 7.11 -43.57	128.69 6.41 -51.10	126.28 6.40 -48.82	132.29 6.40 -54.75	140.91 6.87 -55.13	162.79 8.64 -57.11	188.73 8.77 -82.52	183.70 9.02 -75.53	171.90 8.47 -66.09	161.68 8.46 -55.98	139.56 8.22 -34.60	127.57 7.84 -22.88	121.38 7.01 -17.02
BURROWS___LYONSDAL 23803	79.18 2.77 -1.56	75.79 2.52 -1.23	77.08 2.58 -0.80	78.42 2.64 -0.48	80.78 2.77 -0.97	98.69 3.49 -0.91	105.98 4.29 -1.93	106.25 4.60 -3.75	103.78 4.18 -2.36	87.23 3.17 -2.91	94.95 3.24 -1.65	84.32 2.79 -1.69	75.65 2.49 -1.98	75.37 2.42 -1.89	75.68 2.42 -2.12	83.81 2.76 -2.14	103.03 3.78 -2.20	104.47 4.09 -2.94	105.98 4.07 -2.77	103.33 3.80 -2.19	103.11 3.70 -2.17	101.37 3.29 -1.34	101.02 3.29 -0.89	101.10 3.21 -0.53
CAITHNESS_CC_1 323624	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	117.00 7.23 -34.47	117.11 7.47 -32.60	141.47 9.25 -37.94	187.41 9.98 -77.67	215.34 9.99 -107.45	272.71 10.11 -165.35	207.90 8.19 -118.55	207.19 9.19 -107.94	198.11 8.15 -110.13	149.15 7.33 -70.63	147.67 7.53 -69.08	151.90 7.47 -73.29	248.02 8.05 -161.05	166.33 10.19 -59.10	214.85 10.23 -107.18	224.14 10.31 -114.68	187.48 10.03 -80.11	184.90 9.92 -77.74	160.24 9.67 -53.82	141.37 10.07 -34.46	141.33 9.35 -34.63
CALPINE BETH_PAGE_GT4 24209	130.35 5.61 -49.89	115.41 5.40 -37.98	111.31 5.45 -32.14	115.34 5.57 -34.47	115.42 5.78 -32.60	139.30 7.07 -37.94	185.11 7.78 -77.57	213.17 7.93 -107.35	192.76 8.46 -87.06	162.96 6.82 -74.99	152.76 7.74 -54.96	150.72 7.27 -63.62	148.35 6.62 -70.55	146.60 6.54 -69.00	150.97 6.62 -73.21	157.56 6.87 -71.78	164.74 8.64 -59.06	205.79 8.77 -99.58	212.48 9.02 -104.31	185.80 8.47 -80.00	166.89 8.46 -61.19	148.21 8.51 -42.95	139.48 8.23 -34.41	139.54 7.59 -34.59
CALPINE_BETH_PAGE_GT_4 323586	130.36 5.62 -49.89	115.41 5.41 -37.98	111.31 5.45 -32.14	115.34 5.57 -34.47	115.42 5.78 -32.60	139.30 7.08 -37.94	185.21 7.88 -77.57	213.17 7.93 -107.35	192.73 8.46 -87.04	162.94 6.82 -74.96	152.75 7.75 -54.95	150.70 7.26 -63.60	148.26 6.54 -70.53	146.65 6.61 -68.98	150.95 6.62 -73.19	157.53 6.86 -71.76	164.74 8.63 -59.06	205.91 8.87 -99.60	212.41 8.93 -104.33	185.81 8.46 -80.01	166.90 8.46 -61.20	148.12 8.41 -42.96	139.59 8.33 -34.42	139.54 7.60 -34.59
CALPINE_BP_GT1 23823	130.36 5.62 -49.89	115.41 5.41 -37.98	111.31 5.45 -32.14	115.34 5.57 -34.47	115.42 5.78 -32.60	139.30 7.08 -37.94	185.21 7.88 -77.57	213.17 7.93 -107.35	192.73 8.46 -87.04	162.94 6.82 -74.96	152.75 7.75 -54.95	150.70 7.26 -63.60	148.26 6.54 -70.53	146.65 6.61 -68.98	150.95 6.62 -73.19	157.53 6.86 -71.76	164.74 8.63 -59.06	205.91 8.87 -99.60	212.41 8.93 -104.33	185.81 8.46 -80.01	166.90 8.46 -61.20	148.12 8.41 -42.96	139.59 8.33 -34.42	139.54 7.60 -34.59
CALSPAN___DRP 24200	77.29 -4.86 -7.31	73.41 -4.39 -5.77	73.23 -4.20 -3.72	73.27 -4.29 -2.26	77.13 -4.47 -4.56	92.07 -6.51 -4.28	102.40 -6.38 -9.02	108.83 -6.66 -17.59	100.35 -7.88 -10.99	87.98 -6.74 -13.56	91.10 -6.66 -7.71	82.21 -5.51 -7.88	75.51 -4.91 -9.24	74.70 -5.19 -8.82	75.63 -5.41 -9.90	82.64 -6.23 -9.96	99.40 -7.96 -10.32	105.62 -6.82 -15.00	105.40 -6.64 -12.90	102.39 -7.01 -12.06	100.07 -7.29 -10.12	94.87 -8.13 -6.25	93.13 -7.84 -4.14	93.60 -6.23 -2.47



CALVERTON___SOLAR 323806	132.38 7.64 -49.89	117.28 7.27 -37.98	113.29 7.44 -32.14	117.53 7.76 -34.47	117.58 7.94 -32.60	142.13 9.90 -37.94	188.21 10.78 -77.67	216.21 10.87 -107.45	273.53 10.98 -165.30	208.61 8.93 -118.52	207.87 9.91 -107.91	198.72 8.78 -110.09	149.64 7.83 -70.63	148.17 8.03 -69.08	152.40 7.97 -73.29	248.43 8.53 -160.99	166.72 10.58 -59.10	215.43 10.81 -107.18	224.63 10.81 -114.67	188.06 10.61 -80.11	185.47 10.51 -77.73	160.92 10.36 -53.82	142.05 10.75 -34.46	142.02 10.03 -34.63
CANDIGU_WT_PWR 323617	82.01 -2.84 -10.01	78.03 -2.59 -8.59	77.32 -2.43 -6.04	77.45 -2.48 -4.63	81.36 -2.47 -6.79	96.03 -3.77 -5.52	110.96 -2.29 -13.48	117.70 -3.04 -22.84	109.20 -3.99 -15.95	94.52 -4.22 -17.58	95.82 -4.23 -10.00	86.38 -3.67 -10.21	79.60 -3.56 -11.98	79.10 -3.41 -11.44	80.49 -3.48 -12.83	88.05 -3.79 -12.92	106.16 -4.27 -13.39	113.86 -3.02 -19.45	114.18 -2.88 -17.90	109.79 -3.21 -15.66	106.93 -3.41 -13.09	100.49 -4.35 -8.09	98.13 -4.06 -5.35	97.92 -3.60 -4.16
CARR STREET_E_SYR 24060	77.45 -1.80 -4.40	73.78 -1.73 -3.48	74.18 -1.77 -2.24	74.94 -1.73 -1.36	78.01 -1.77 -2.75	94.61 -2.26 -2.58	103.60 -1.60 -5.43	107.17 -1.47 -10.74	102.29 -1.65 -6.70	87.57 -1.86 -8.27	92.86 -1.90 -4.70	82.96 -1.68 -4.80	75.18 -1.63 -5.63	74.81 -1.63 -5.38	75.61 -1.57 -6.03	83.25 -1.74 -6.08	101.11 -2.23 -6.30	103.86 -1.85 -8.27	105.15 -1.78 -7.78	101.56 -1.95 -6.17	101.30 -2.05 -6.11	97.91 -2.61 -3.77	96.82 -2.52 -2.50	96.23 -2.62 -1.50
CARTHAGE___PAPER 23857	79.71 2.62 -2.25	76.05 2.24 -1.78	77.07 2.21 -1.15	78.34 2.34 -0.70	80.91 2.46 -1.40	98.82 3.21 -1.32	106.43 3.89 -2.78	107.98 4.70 -5.38	104.49 3.89 -3.36	88.07 2.76 -4.15	95.11 2.70 -2.36	84.64 2.39 -2.41	76.07 2.07 -2.82	75.75 1.99 -2.70	76.23 2.06 -3.03	84.25 2.29 -3.05	103.69 3.49 -3.16	105.42 3.80 -4.18	106.95 3.86 -3.93	104.06 3.60 -3.12	103.73 3.40 -3.09	101.55 2.90 -1.91	100.91 2.81 -1.26	100.84 2.72 -0.76
CASSADAGA_WT_PWR 323784	78.94 -3.52 -7.61	75.02 -3.02 -6.01	74.79 -2.80 -3.88	74.72 -2.94 -2.36	78.78 -3.01 -4.75	93.95 -4.81 -4.46	106.66 -2.49 -9.39	112.12 -4.02 -18.24	103.86 -4.76 -11.38	90.82 -4.38 -14.05	94.08 -3.96 -7.98	85.05 -2.95 -8.16	77.62 -3.13 -9.57	77.36 -2.84 -9.14	78.33 -3.06 -10.25	85.61 -3.63 -10.32	102.98 -4.75 -10.69	109.63 -3.31 -15.51	109.41 -3.07 -13.33	106.31 -3.50 -12.47	103.71 -3.99 -10.46	98.37 -4.83 -6.46	96.66 -4.45 -4.28	96.42 -3.50 -2.56
CE_DUNWOOD___DRP 24194	121.62 4.57 -42.21	112.06 4.32 -35.70	102.88 4.42 -24.74	98.18 4.52 -18.35	109.97 4.70 -28.23	123.49 5.66 -23.54	162.10 6.38 -55.96	201.38 7.00 -96.93	170.55 5.84 -66.31	161.66 6.39 -74.65	138.89 5.83 -42.44	129.03 5.27 -43.36	127.29 5.26 -50.85	124.90 5.26 -48.58	130.88 5.26 -54.48	139.45 5.68 -54.85	161.05 7.18 -56.83	186.85 7.31 -82.10	181.73 7.44 -75.14	170.10 7.01 -65.75	159.94 7.00 -55.70	137.94 6.77 -34.42	126.10 6.49 -22.77	120.12 5.84 -16.92
CE_MILLWOOD___DRP 24193	121.15 4.34 -41.96	111.63 4.11 -35.49	102.50 4.20 -24.59	97.83 4.29 -18.23	109.49 4.39 -28.06	123.07 5.37 -23.40	161.47 6.09 -55.62	200.44 6.17 -96.37	169.76 6.61 -65.91	160.91 5.52 -74.23	138.28 6.03 -42.19	128.46 5.51 -43.11	126.72 4.98 -50.56	124.34 4.97 -48.30	130.29 4.98 -54.17	138.82 5.37 -54.54	160.34 6.79 -56.50	185.98 6.92 -81.62	180.89 7.04 -74.70	169.32 6.62 -65.37	159.23 6.61 -55.38	137.35 6.39 -34.22	125.67 6.20 -22.64	119.73 5.55 -16.82
CE_NYC2_DRP 24202	126.58 5.31 -46.42	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.36 6.41 -23.66	163.00 6.98 -56.26	202.66 7.34 -97.42	171.87 7.97 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	126.00 6.11 -48.83	132.02 6.12 -54.76	140.60 6.55 -55.13	169.22 8.25 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.20 7.97 -55.99	139.08 7.74 -34.60	127.08 7.36 -22.88	121.00 6.62 -17.02
CE_NYC_DRP 24195	122.21 4.94 -42.42	112.61 4.68 -35.89	103.38 4.79 -24.88	98.66 4.89 -18.46	110.50 5.08 -28.38	124.07 6.13 -23.65	162.70 6.68 -56.25	202.26 6.95 -97.41	171.48 7.58 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.71 5.83 -48.82	131.79 5.90 -54.75	140.27 6.23 -55.12	162.01 7.86 -57.11	186.64 7.99 -81.21	182.40 8.03 -75.22	171.02 7.59 -66.09	160.81 7.58 -55.98	138.69 7.35 -34.59	126.79 7.07 -22.88	120.60 6.23 -17.02
CHAFFEE___LFGE 323603	77.53 -4.86 -7.55	73.60 -4.40 -5.97	73.36 -4.20 -3.85	73.35 -4.29 -2.34	77.28 -4.47 -4.71	92.21 -6.50 -4.43	104.49 -4.59 -9.32	109.77 -6.27 -18.14	101.46 -7.09 -11.32	88.71 -6.41 -13.97	91.60 -6.39 -7.94	82.68 -5.27 -8.11	75.50 -5.19 -9.51	75.18 -4.98 -9.09	76.14 -5.19 -10.19	83.18 -6.00 -10.26	100.11 -7.57 -10.64	106.43 -6.43 -15.42	106.06 -6.35 -13.25	103.12 -6.62 -12.40	100.64 -7.00 -10.40	95.43 -7.74 -6.43	93.93 -7.17 -4.25	93.97 -5.94 -2.55
CHATEAUG_35_KV_LOAD 355732	73.72 -1.12 0.00	70.81 -1.22 0.00	72.31 -1.40 0.00	73.65 -1.66 0.00	75.42 -1.62 0.00	92.50 -1.79 0.00	97.37 -2.39 0.00	95.45 -2.45 0.00	94.52 -2.72 0.00	79.29 -1.87 0.00	87.44 -2.61 0.00	77.29 -2.55 0.00	68.76 -2.42 0.00	68.65 -2.42 0.00	68.86 -2.28 0.00	76.71 -2.21 0.00	94.52 -2.52 0.00	95.30 -2.14 0.00	97.07 -2.08 0.00	95.78 -1.56 0.00	95.98 -1.26 0.00	96.36 -0.39 0.00	96.45 -0.39 0.00	97.55 0.19 0.00
CHATEAUG_WT_PWR 323614	73.65 -1.20 0.00	70.74 -1.29 0.00	72.16 -1.55 0.00	73.49 -1.81 0.00	75.19 -1.85 0.00	92.41 -1.89 0.00	96.37 -3.39 0.00	95.16 -2.74 0.00	94.13 -3.12 0.00	79.13 -2.03 0.00	87.17 -2.89 0.00	77.04 -2.80 0.00	68.62 -2.56 0.00	68.29 -2.77 0.00	68.58 -2.56 0.00	76.39 -2.53 0.00	94.22 -2.82 0.00	95.01 -2.43 0.00	96.88 -2.28 0.00	95.68 -1.66 0.00	95.78 -1.46 0.00	96.17 -0.58 0.00	96.17 -0.67 0.00	97.46 0.10 0.00
CHAT_HIGH_FALL_HYD 323578	73.72 -1.12 0.00	70.81 -1.22 0.00	72.31 -1.40 0.00	73.65 -1.66 0.00	75.42 -1.62 0.00	92.50 -1.79 0.00	97.37 -2.39 0.00	95.45 -2.45 0.00	94.52 -2.72 0.00	79.29 -1.87 0.00	87.44 -2.61 0.00	77.29 -2.55 0.00	68.76 -2.42 0.00	68.65 -2.42 0.00	68.86 -2.28 0.00	76.71 -2.21 0.00	94.52 -2.52 0.00	95.30 -2.14 0.00	97.07 -2.08 0.00	95.78 -1.56 0.00	95.98 -1.26 0.00	96.36 -0.39 0.00	96.45 -0.39 0.00	97.55 0.19 0.00
CHAUTAUQUA___LFGE 323629	78.38 -3.90 -7.43	74.52 -3.38 -5.87	74.33 -3.17 -3.79	74.37 -3.24 -2.30	78.28 -3.39 -4.63	93.37 -5.28 -4.36	105.64 -3.29 -9.17	110.87 -4.89 -17.87	102.65 -5.74 -11.15	89.72 -5.20 -13.76	92.92 -4.95 -7.82	83.92 -3.91 -7.99	76.57 -3.98 -9.37	76.32 -3.70 -8.95	77.27 -3.91 -10.04	84.44 -4.58 -10.11	101.69 -5.82 -10.47	108.14 -4.48 -15.18	107.84 -4.36 -13.05	104.78 -4.77 -12.21	102.33 -5.16 -10.24	97.08 -6.00 -6.33	95.51 -5.52 -4.19	95.49 -4.38 -2.51
CHERRYST_13_KV_LD 356241	122.44 5.16 -42.42	112.82 4.90 -35.89	103.60 5.01 -24.88	98.88 5.12 -18.46	110.65 5.24 -28.38	124.36 6.41 -23.65	163.00 6.98 -56.25	202.65 7.34 -97.41	171.86 7.97 -66.65	162.84 6.66 -75.03	140.09 7.38 -42.65	130.20 6.79 -43.57	128.40 6.12 -51.10	126.00 6.11 -48.82	132.01 6.12 -54.75	140.51 6.47 -55.12	162.30 8.15 -57.11	186.94 8.28 -81.21	182.80 8.43 -75.22	171.31 7.88 -66.09	161.10 7.88 -55.98	138.98 7.64 -34.59	127.08 7.36 -22.88	120.90 6.52 -17.02



CHESTROR_138KV_BK263 355645	116.40 3.22 -38.34	107.48 3.10 -32.35	99.25 3.17 -22.37	95.03 3.24 -16.49	105.93 3.31 -25.58	119.76 4.05 -21.42	155.05 4.59 -50.69	190.70 4.60 -88.20	162.24 4.86 -60.13	153.15 4.06 -67.94	133.09 4.41 -38.62	123.29 3.99 -39.46	121.08 3.63 -46.27	118.83 3.55 -44.21	124.34 3.63 -49.58	132.78 3.95 -49.91	153.80 5.05 -51.71	177.17 5.16 -74.56	172.66 5.35 -68.15	162.07 5.06 -59.67	152.83 4.96 -50.63	132.77 4.74 -31.29	122.09 4.55 -20.69	116.73 4.09 -15.29
CH_MIDHUDSON___DRP 24192	122.55 4.64 -43.06	112.99 4.47 -36.49	103.62 4.57 -25.34	98.86 4.67 -18.89	110.67 4.78 -28.86	124.11 5.85 -23.98	163.55 6.58 -57.20	202.99 6.36 -98.73	171.87 6.90 -67.72	162.88 5.68 -76.04	139.50 6.21 -43.23	129.67 5.67 -44.16	128.03 5.05 -51.79	125.59 5.05 -49.48	131.75 5.12 -55.49	140.31 5.52 -55.87	161.82 6.89 -57.89	188.47 7.11 -83.92	183.27 7.24 -76.88	171.49 6.91 -67.24	161.04 6.90 -56.90	138.49 6.58 -35.16	126.49 6.39 -23.26	120.54 5.84 -17.34
CH_MISC_IPPS 23765	121.83 4.79 -42.19	112.38 4.61 -35.73	103.23 4.72 -24.80	98.58 4.82 -18.45	110.30 5.00 -28.25	123.92 6.13 -23.50	162.75 6.98 -56.01	201.34 6.66 -96.78	170.62 7.09 -66.28	161.40 5.76 -74.48	138.70 6.30 -42.34	128.85 5.75 -43.26	127.04 5.13 -50.73	124.72 5.18 -48.47	130.62 5.13 -54.35	139.24 5.60 -54.72	160.96 7.18 -56.74	186.89 7.40 -82.05	181.82 7.53 -75.14	170.28 7.20 -65.74	159.97 7.09 -55.63	137.80 6.67 -34.38	126.26 6.68 -22.74	120.36 6.04 -16.97
CH_RES_BVR_FALLS 23983	73.80 -1.05 0.00	71.02 -1.01 0.00	72.61 -1.10 0.00	74.18 -1.13 0.00	75.96 -1.08 0.00	92.97 -1.32 0.00	97.66 -2.10 0.00	96.03 -1.86 0.00	95.10 -2.14 0.00	79.54 -1.62 0.00	87.99 -2.07 0.00	77.92 -1.92 0.00	69.55 -1.63 0.00	69.43 -1.63 0.00	69.58 -1.57 0.00	77.34 -1.58 0.00	95.19 -1.85 0.00	95.59 -1.85 0.00	97.37 -1.78 0.00	95.88 -1.46 0.00	95.97 -1.27 0.00	95.87 -0.87 0.00	95.97 -0.87 0.00	96.78 -0.58 0.00
CH_RES_NIAGARA 23895	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	99.52 -8.68 -8.43	105.17 -9.20 -16.48	97.13 -10.40 -10.29	85.10 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	73.21 -6.62 -8.65	72.36 -6.96 -8.26	73.22 -7.19 -9.27	79.88 -8.37 -9.33	96.03 -10.67 -9.66	101.64 -9.84 -14.04	101.41 -9.82 -12.08	98.50 -10.12 -11.29	96.51 -10.21 -9.48	91.67 -10.93 -5.86	90.26 -10.46 -3.87	91.11 -8.57 -2.32
CH_RES_SYRACUSE 23985	78.18 -1.50 -4.83	74.41 -1.44 -3.82	74.70 -1.47 -2.46	75.37 -1.43 -1.50	78.59 -1.47 -3.01	95.14 -1.98 -2.83	104.73 -1.00 -5.96	109.14 -0.98 -12.22	103.60 -1.27 -7.62	89.11 -1.46 -9.41	93.87 -1.53 -5.35	83.87 -1.43 -5.46	76.17 -1.42 -6.41	75.83 -1.35 -6.12	76.73 -1.28 -6.87	84.49 -1.34 -6.91	102.55 -1.65 -7.16	105.06 -1.46 -9.08	106.31 -1.39 -8.54	102.55 -1.56 -6.77	102.29 -1.65 -6.70	98.67 -2.22 -4.14	97.36 -2.22 -2.74	96.66 -2.34 -1.64
CLINTON_WT_PWR 323605	73.65 -1.20 0.00	70.74 -1.29 0.00	72.16 -1.55 0.00	73.49 -1.81 0.00	75.19 -1.85 0.00	92.41 -1.89 0.00	96.37 -3.39 0.00	95.16 -2.74 0.00	94.13 -3.12 0.00	79.13 -2.03 0.00	87.17 -2.89 0.00	77.04 -2.80 0.00	68.62 -2.56 0.00	68.29 -2.77 0.00	68.58 -2.56 0.00	76.39 -2.53 0.00	94.22 -2.82 0.00	95.01 -2.43 0.00	96.88 -2.28 0.00	95.68 -1.66 0.00	95.78 -1.46 0.00	96.17 -0.58 0.00	96.17 -0.67 0.00	97.46 0.10 0.00
CLINTON___LFGE 323618	75.07 0.23 0.00	72.10 0.07 0.00	73.64 -0.07 0.00	75.00 -0.30 0.00	76.81 -0.23 0.00	94.10 -0.19 0.00	98.27 -1.49 0.00	97.01 -0.88 0.00	95.68 -1.56 0.00	80.35 -0.81 0.00	88.52 -1.53 0.00	78.32 -1.52 0.00	69.83 -1.35 0.00	69.50 -1.56 0.00	69.79 -1.35 0.00	77.73 -1.18 0.00	95.68 -1.36 0.00	96.66 -0.78 0.00	98.46 -0.69 0.00	97.14 -0.19 0.00	97.24 0.00 0.00	97.71 0.97 0.00	97.52 0.68 0.00	99.11 1.75 0.00
COBBLENY_34_KV_TB1 80064	77.53 -4.86 -7.55	73.60 -4.39 -5.97	73.36 -4.20 -3.85	73.35 -4.29 -2.34	77.28 -4.47 -4.71	92.21 -6.51 -4.43	103.00 -6.09 -9.32	109.76 -6.27 -18.13	101.07 -7.49 -11.32	88.72 -6.41 -13.97	91.60 -6.39 -7.94	82.69 -5.27 -8.11	76.00 -4.70 -9.52	75.18 -4.97 -9.09	76.21 -5.12 -10.20	83.18 -6.00 -10.26	100.10 -7.57 -10.63	106.47 -6.43 -15.46	106.19 -6.25 -13.29	103.15 -6.62 -12.43	100.67 -7.00 -10.43	95.45 -7.74 -6.44	93.55 -7.55 -4.26	93.97 -5.94 -2.55
COFFEEN___115KV_TB3 355620	80.94 3.52 -2.58	77.17 3.10 -2.04	78.12 3.10 -1.31	79.34 3.24 -0.80	81.96 3.31 -1.61	100.04 4.24 -1.51	108.53 5.59 -3.18	110.35 6.27 -6.19	106.43 5.35 -3.84	89.63 3.73 -4.74	96.44 3.69 -2.70	85.79 3.19 -2.75	77.26 2.85 -3.23	76.78 2.63 -3.09	77.38 2.77 -3.46	85.71 3.31 -3.48	105.62 4.95 -3.63	107.88 5.65 -4.79	109.41 5.75 -4.51	106.17 5.26 -3.58	105.74 4.96 -3.54	103.09 4.16 -2.19	102.26 3.97 -1.45	102.02 3.80 -0.87
COLDSPRG_115KV_BK1 355956	79.34 -3.89 -8.39	75.70 -3.53 -7.19	75.45 -3.32 -5.05	75.78 -3.39 -3.87	79.34 -3.39 -5.69	93.64 -5.28 -4.63	106.73 -4.29 -11.26	112.51 -4.21 -18.82	105.12 -5.25 -13.13	91.12 -4.54 -14.51	93.98 -4.32 -8.25	84.91 -3.35 -8.42	78.07 -2.99 -9.88	77.38 -3.13 -9.44	78.31 -3.41 -10.59	85.55 -4.02 -10.66	102.93 -5.14 -11.03	109.69 -3.80 -16.05	110.37 -3.57 -14.78	106.26 -3.99 -12.91	103.59 -4.47 -10.83	98.11 -5.32 -6.69	95.94 -5.33 -4.42	96.59 -4.19 -3.42
COLONIE_LFGE___ 323577	147.08 4.49 -67.74	150.65 4.32 -74.29	141.26 4.42 -63.12	147.46 4.52 -67.64	140.71 4.62 -59.05	128.79 5.47 -29.03	223.55 6.09 -117.70	223.32 5.87 -119.55	229.39 6.13 -126.02	178.12 4.87 -92.09	147.81 5.40 -52.35	138.04 4.71 -53.48	138.03 4.13 -62.72	135.11 4.12 -59.93	142.54 4.20 -67.20	151.23 4.65 -67.66	173.06 5.92 -70.10	221.76 6.14 -118.17	229.75 6.25 -124.35	208.41 6.04 -105.04	172.00 6.03 -68.73	145.22 6.00 -42.47	130.94 6.01 -28.09	148.81 5.74 -45.71
COOPERNY_115KV_TB1 80082	108.31 2.32 -31.14	100.55 2.23 -26.29	94.18 2.29 -18.18	91.06 2.33 -13.42	100.21 2.39 -20.78	114.61 2.92 -17.39	144.25 3.29 -41.19	172.96 3.43 -71.63	149.70 3.60 -48.86	139.25 2.92 -55.17	124.66 3.24 -31.36	114.84 2.95 -32.04	111.39 2.63 -37.58	109.60 2.63 -35.90	114.03 2.63 -40.26	122.29 2.84 -40.54	142.73 3.69 -42.00	161.97 3.80 -60.73	158.63 3.97 -55.51	149.64 3.70 -48.61	142.16 3.70 -41.23	125.61 3.39 -25.48	116.98 3.29 -16.85	112.71 2.92 -12.43
COPENHAGEN_WT_PWR 323753	80.06 2.55 -2.66	76.30 2.16 -2.11	77.21 2.14 -1.36	78.38 2.26 -0.83	81.01 2.31 -1.66	98.78 2.93 -1.56	107.05 3.99 -3.29	108.96 4.70 -6.36	105.20 3.99 -3.97	88.73 2.67 -4.90	95.36 2.52 -2.79	84.92 2.23 -2.85	76.44 1.92 -3.34	76.03 1.78 -3.19	76.64 1.92 -3.58	84.81 2.29 -3.60	104.26 3.49 -3.73	106.40 4.00 -4.97	107.99 4.16 -4.67	104.74 3.70 -3.71	104.40 3.50 -3.67	101.82 2.81 -2.27	101.05 2.71 -1.50	100.78 2.53 -0.90
CORNELL_____ 23752	86.05 1.05 -10.15	81.82 1.01 -8.78	81.03 1.11 -6.22	81.28 1.13 -4.85	85.14 1.16 -6.95	101.17 1.32 -5.56	115.64 2.10 -13.78	123.34 2.45 -23.00	115.35 1.85 -16.26	99.88 0.97 -17.75	101.23 1.08 -10.09	91.03 0.88 -10.31	83.98 0.71 -12.09	83.25 0.64 -11.55	84.80 0.71 -12.95	92.98 1.03 -13.04	112.17 1.65 -13.49	119.43 2.24 -19.75	119.85 2.48 -18.22	115.43 2.14 -15.95	112.43 1.94 -13.25	106.09 1.16 -8.19	103.22 0.97 -5.41	102.52 0.88 -4.29



CORONA V_69 KV_TB1 355595	130.73 5.99 -49.89	115.77 5.76 -37.98	111.75 5.90 -32.14	115.72 5.95 -34.47	115.73 6.09 -32.60	139.58 7.35 -37.94	185.51 8.18 -77.57	213.57 8.32 -107.35	193.15 8.85 -87.06	163.37 7.22 -74.99	153.21 8.20 -54.96	150.88 7.43 -63.62	148.42 6.69 -70.55	146.74 6.68 -69.00	151.04 6.69 -73.21	157.87 7.18 -71.78	165.22 9.12 -59.06	206.28 9.26 -99.58	212.88 9.42 -104.31	186.29 8.95 -80.00	167.37 8.95 -61.19	148.30 8.61 -42.95	139.68 8.43 -34.41	139.64 7.69 -34.59
CORTLAND_115KV_TB3 80093	83.51 0.37 -8.29	79.51 0.36 -7.12	79.16 0.44 -5.01	79.60 0.45 -3.84	83.21 0.54 -5.63	99.42 0.57 -4.57	112.13 1.20 -11.17	118.23 1.47 -18.86	111.53 1.07 -13.22	96.14 0.41 -14.57	98.88 0.54 -8.29	88.71 0.40 -8.46	81.46 0.36 -9.93	80.76 0.21 -9.48	82.06 0.28 -10.64	90.10 0.47 -10.71	108.88 0.78 -11.06	114.84 1.27 -16.14	115.41 1.39 -14.87	111.49 1.17 -12.99	109.09 0.97 -10.88	103.85 0.39 -6.72	101.58 0.29 -4.45	101.00 0.19 -3.44
COXSACKIE__GT 23611	133.48 5.62 -53.02	127.32 5.69 -49.60	117.24 5.90 -37.63	115.13 6.10 -33.73	122.51 6.17 -39.30	129.34 7.92 -27.12	186.13 8.28 -78.09	216.64 7.05 -111.69	193.10 6.90 -88.95	172.62 5.20 -86.26	144.68 5.59 -49.03	134.81 4.87 -50.10	134.13 4.20 -58.75	131.31 4.12 -56.13	138.21 4.12 -62.95	147.35 5.06 -63.38	169.52 6.99 -65.49	204.39 7.61 -99.34	202.64 8.03 -95.46	187.39 7.60 -82.45	168.83 7.39 -64.21	143.01 6.58 -39.68	129.76 6.68 -26.24	131.11 7.31 -26.44
CPV_VALLEY__CC1 323721	112.86 2.55 -35.47	104.38 2.45 -29.90	96.87 2.51 -20.65	93.05 2.56 -15.19	103.29 2.62 -23.64	117.33 3.21 -19.83	150.40 3.79 -46.85	183.30 3.72 -81.68	156.77 3.99 -55.54	147.33 3.33 -62.84	129.38 3.61 -35.72	119.61 3.27 -36.50	116.90 2.92 -42.80	114.94 2.98 -40.89	119.99 2.99 -45.86	128.32 3.24 -46.17	149.01 4.07 -47.89	170.83 4.28 -69.11	166.65 4.36 -63.14	156.71 4.09 -55.29	148.28 4.08 -46.95	129.53 3.77 -29.02	119.80 3.77 -19.19	114.67 3.21 -14.11
CPV_VALLEY__CC2 323722	112.86 2.55 -35.47	104.38 2.45 -29.90	96.87 2.51 -20.65	93.05 2.56 -15.19	103.29 2.62 -23.64	117.33 3.21 -19.83	150.40 3.79 -46.85	183.30 3.72 -81.68	156.77 3.99 -55.54	147.33 3.33 -62.84	129.38 3.61 -35.72	119.61 3.27 -36.50	116.90 2.92 -42.80	114.94 2.98 -40.89	119.99 2.99 -45.86	128.32 3.24 -46.17	149.01 4.07 -47.89	170.83 4.28 -69.11	166.65 4.36 -63.14	156.71 4.09 -55.29	148.28 4.08 -46.95	129.53 3.77 -29.02	119.80 3.77 -19.19	114.67 3.21 -14.11
CRESCENT__HYD 24018	147.08 4.49 -67.74	150.65 4.32 -74.29	141.26 4.42 -63.12	147.46 4.52 -67.64	140.71 4.62 -59.05	128.79 5.47 -29.03	223.55 6.09 -117.70	223.32 5.87 -119.55	229.39 6.13 -126.02	178.12 4.87 -92.09	147.81 5.40 -52.35	138.04 4.71 -53.48	138.03 4.13 -62.72	135.11 4.12 -59.93	142.54 4.65 -67.20	151.23 4.65 -67.66	173.06 5.92 -70.10	221.76 6.14 -118.17	229.75 6.25 -124.35	208.41 6.04 -105.04	172.00 6.03 -68.73	145.22 6.00 -42.47	130.94 6.01 -28.09	148.81 5.74 -45.71
CRICKET__VALLEY_CC1 323756	124.38 4.34 -45.19	114.84 4.18 -38.63	105.04 4.27 -27.06	100.24 4.37 -20.57	112.06 4.47 -30.55	124.75 5.47 -24.99	166.43 6.09 -60.58	206.69 5.87 -102.92	175.12 6.42 -71.46	165.62 5.20 -79.27	140.79 5.68 -45.06	131.06 5.19 -46.04	129.79 4.62 -53.99	127.41 4.76 -51.58	133.75 4.77 -57.84	142.28 5.13 -58.24	163.78 6.40 -60.34	191.57 6.53 -87.60	186.36 6.64 -80.57	174.06 6.32 -70.40	162.72 6.32 -59.16	139.40 6.10 -36.56	127.22 6.20 -24.18	121.57 5.64 -18.57
CRICKET__VALLEY_CC2 323757	124.38 4.34 -45.19	114.84 4.18 -38.63	105.04 4.27 -27.06	100.24 4.37 -20.57	112.06 4.47 -30.55	124.75 5.47 -24.99	166.43 6.09 -60.58	206.69 5.87 -102.92	175.12 6.42 -71.46	165.62 5.20 -79.27	140.79 5.68 -45.06	131.06 5.19 -46.04	129.79 4.62 -53.99	127.41 4.76 -51.58	133.75 4.77 -57.84	142.28 5.13 -58.24	163.78 6.40 -60.34	191.57 6.53 -87.60	186.36 6.64 -80.57	174.06 6.32 -70.40	162.72 6.32 -59.16	139.40 6.10 -36.56	127.22 6.20 -24.18	121.57 5.64 -18.57
CRICKET__VALLEY_CC3 323758	124.38 4.34 -45.19	114.84 4.18 -38.63	105.04 4.27 -27.06	100.24 4.37 -20.57	112.06 4.47 -30.55	124.75 5.47 -24.99	166.43 6.09 -60.58	206.69 5.87 -102.92	175.12 6.42 -71.46	165.62 5.20 -79.27	140.79 5.68 -45.06	131.06 5.19 -46.04	129.79 4.62 -53.99	127.41 4.76 -51.58	133.75 4.77 -57.84	142.28 5.13 -58.24	163.78 6.40 -60.34	191.57 6.53 -87.60	186.36 6.64 -80.57	174.06 6.32 -70.40	162.72 6.32 -59.16	139.40 6.10 -36.56	127.22 6.20 -24.18	121.57 5.64 -18.57
CRUCIBLE_METL_DRP 24180	78.18 -1.50 -4.83	74.41 -1.44 -3.82	74.70 -1.47 -2.46	75.37 -1.43 -1.50	78.59 -1.46 -3.01	95.14 -1.98 -2.83	104.33 -1.40 -5.96	108.99 -0.98 -12.07	103.60 -1.26 -7.63	89.11 -1.46 -9.41	93.87 -1.53 -5.35	83.87 -1.44 -5.47	76.31 -1.28 -6.41	75.84 -1.35 -6.12	76.73 -1.28 -6.87	84.49 -1.34 -6.91	102.47 -1.65 -7.08	106.35 -1.46 -10.37	106.71 -1.39 -8.95	104.09 -1.56 -8.31	102.61 -1.65 -7.02	98.86 -2.23 -4.34	97.39 -2.32 -2.87	96.66 -2.34 -1.64
DAHOWA__HYDRO 323763	152.17 5.91 -71.41	158.27 5.69 -80.55	149.15 5.82 -69.62	157.57 5.95 -76.32	147.18 6.08 -64.06	130.17 6.41 -29.46	234.78 7.28 -127.74	226.27 7.05 -121.32	239.75 7.09 -135.42	180.29 5.68 -93.45	149.57 6.39 -53.12	139.38 5.27 -54.27	139.39 4.56 -63.65	136.35 4.48 -60.81	143.82 4.48 -68.19	152.63 5.06 -68.66	174.67 6.50 -71.13	227.23 7.02 -122.77	237.88 7.14 -131.58	214.88 6.91 -110.64	173.88 6.90 -69.74	147.48 7.64 -43.10	132.99 7.65 -28.51	155.37 7.40 -50.62
DANC__LFGE 323619	78.74 0.75 -3.14	75.09 0.57 -2.48	75.83 0.52 -1.60	76.88 0.60 -0.97	79.54 0.54 -1.96	96.80 0.66 -1.84	105.23 1.59 -3.88	107.35 1.96 -7.49	103.28 1.36 -4.68	87.50 0.57 -5.77	93.79 0.45 -3.28	83.59 0.40 -3.35	75.40 0.29 -3.93	75.03 0.21 -3.76	75.71 0.36 -4.21	83.55 0.40 -4.24	102.50 1.07 -4.39	104.78 1.46 -5.88	106.27 1.58 -5.53	102.99 1.26 -4.39	102.65 1.07 -4.34	100.01 0.58 -2.68	99.20 0.58 -1.77	98.81 0.39 -1.06
DANSKAMMER__1 23586	121.83 4.79 -42.19	112.38 4.61 -35.73	103.23 4.72 -24.80	98.58 4.82 -18.45	110.30 5.00 -28.25	123.92 6.13 -23.50	162.75 6.98 -56.01	201.34 6.66 -96.78	170.62 7.09 -66.28	161.40 5.76 -74.48	138.70 6.30 -42.34	128.85 5.75 -43.26	127.04 5.13 -50.73	124.72 5.18 -48.47	130.62 5.13 -54.35	139.24 5.60 -54.72	160.96 7.18 -56.74	186.89 7.40 -82.05	181.82 7.53 -75.14	170.28 7.20 -65.74	159.97 7.09 -55.63	137.80 6.67 -34.38	126.26 6.68 -22.74	120.36 6.04 -16.97
DANSKAMMER__2 23589	121.83 4.79 -42.19	112.38 4.61 -35.73	103.23 4.72 -24.80	98.58 4.82 -18.45	110.30 5.00 -28.25	123.92 6.13 -23.50	162.75 6.98 -56.01	201.34 6.66 -96.78	170.62 7.09 -66.28	161.40 5.76 -74.48	138.70 6.30 -42.34	128.85 5.75 -43.26	127.04 5.13 -50.73	124.72 5.18 -48.47	130.62 5.13 -54.35	139.24 5.60 -54.72	160.96 7.18 -56.74	186.89 7.40 -82.05	181.82 7.53 -75.14	170.28 7.20 -65.74	159.97 7.09 -55.63	137.80 6.67 -34.38	126.26 6.68 -22.74	120.36 6.04 -16.97
DANSKAMMER__3 23590	121.83 4.79 -42.19	112.38 4.61 -35.73	103.23 4.72 -24.80	98.58 4.82 -18.45	110.30 5.00 -28.25	123.92 6.13 -23.50	162.75 6.98 -56.01	201.34 6.66 -96.78	170.62 7.09 -66.28	161.40 5.76 -74.48	138.70 6.30 -42.34	128.85 5.75 -43.26	127.04 5.13 -50.73	124.72 5.18 -48.47	130.62 5.13 -54.35	139.24 5.60 -54.72	160.96 7.18 -56.74	186.89 7.40 -82.05	181.82 7.53 -75.14	170.28 7.20 -65.74	159.97 7.09 -55.63	137.80 6.67 -34.38	126.26 6.68 -22.74	120.36 6.04 -16.97



DANSKAMMER___4 23591	121.83 4.79 -42.19	112.38 4.61 -35.73	103.23 4.72 -24.80	98.58 4.82 -18.45	110.30 5.00 -28.25	123.92 6.13 -23.50	162.75 6.98 -56.01	201.34 6.66 -96.78	170.62 7.09 -66.28	161.40 5.76 -74.48	138.70 6.30 -42.34	128.85 5.75 -43.26	127.04 5.13 -50.73	124.72 5.18 -48.47	130.62 5.13 -54.35	139.24 5.60 -54.72	160.96 7.18 -56.74	186.89 7.40 -82.05	181.82 7.53 -75.14	170.28 7.20 -65.74	159.97 7.09 -55.63	137.80 6.67 -34.38	126.26 6.68 -22.74	120.36 6.04 -16.97
DANSKAMMER___DIESEL 23592	121.83 4.79 -42.19	112.38 4.61 -35.73	103.23 4.72 -24.80	98.58 4.82 -18.45	110.30 5.01 -28.25	123.92 6.13 -23.50	162.66 6.88 -56.01	201.33 6.66 -96.78	170.67 7.10 -66.33	161.46 5.76 -74.54	138.73 6.30 -42.37	128.88 5.75 -43.29	127.08 5.13 -50.77	124.69 5.12 -48.51	130.66 5.12 -54.39	139.28 5.60 -54.77	160.96 7.18 -56.74	186.84 7.41 -82.00	181.78 7.54 -75.09	170.24 7.20 -65.70	160.03 7.20 -55.59	137.87 6.77 -34.36	126.15 6.59 -22.72	120.36 6.04 -16.97
DARBY___SOLAR 323810	151.33 5.54 -70.94	157.13 5.33 -79.76	147.97 5.45 -68.81	156.12 5.57 -75.24	146.17 5.70 -63.43	129.73 6.04 -29.40	233.12 6.88 -126.48	225.62 6.66 -121.06	238.18 6.70 -134.24	179.77 5.36 -93.26	149.10 6.03 -53.01	139.03 5.03 -54.16	139.04 4.34 -63.52	136.01 4.26 -60.68	143.46 4.27 -68.05	152.33 4.89 -68.52	174.32 6.30 -70.98	226.25 6.63 -122.18	236.56 6.75 -130.67	213.89 6.62 -109.93	173.45 6.62 -69.59	146.91 7.16 -43.01	132.45 7.17 -28.45	154.28 6.91 -50.01
DASHVILLE___HYD 23610	121.53 2.99 -43.69	112.84 2.88 -37.92	103.60 2.95 -26.95	99.49 3.01 -21.17	110.20 3.16 -30.00	122.12 3.96 -23.87	163.76 4.49 -59.51	200.49 4.31 -98.28	171.95 4.96 -69.75	160.92 4.06 -75.70	137.41 4.32 -43.03	127.72 3.91 -43.96	126.23 3.49 -51.56	123.81 3.48 -49.26	129.94 3.56 -55.24	138.40 3.87 -55.62	159.42 4.75 -57.62	187.38 4.97 -84.97	183.01 5.16 -78.71	170.80 4.87 -68.60	159.05 4.76 -57.04	136.45 4.45 -35.25	124.32 4.16 -23.31	119.63 3.70 -18.57
DEERFIELD_69_KV_DEERFIELD LD 355887	133.05 8.31 -49.89	118.08 8.07 -37.98	114.18 8.33 -32.14	118.58 8.81 -34.47	118.73 9.09 -32.60	143.54 11.31 -37.94	189.70 12.27 -77.67	218.07 12.73 -107.45	275.31 12.84 -165.23	210.21 10.55 -118.50	209.63 11.71 -107.86	200.04 10.14 -110.06	150.66 8.83 -70.65	148.83 8.67 -69.10	152.99 8.54 -73.31	248.98 9.15 -160.91	167.59 11.45 -59.10	216.18 11.60 -107.15	225.49 11.70 -114.64	189.11 11.68 -80.10	186.79 11.86 -77.69	162.34 11.80 -53.79	143.40 12.10 -34.45	143.77 11.78 -34.63
DELAWARE___LFGE 323621	97.85 2.62 -20.39	93.99 2.45 -19.51	91.36 2.58 -15.07	91.89 2.64 -13.96	95.20 2.70 -15.47	107.79 3.30 -10.20	134.30 3.79 -30.75	143.94 4.01 -42.03	135.88 3.99 -34.65	116.70 3.17 -32.38	111.88 3.42 -18.41	101.68 3.03 -18.80	95.94 2.70 -22.05	94.76 2.63 -21.07	97.40 2.63 -23.63	105.62 2.92 -23.79	125.47 3.78 -24.64	139.94 4.00 -38.51	140.13 4.16 -36.82	133.85 3.89 -32.62	125.20 3.79 -24.16	115.26 3.58 -14.93	110.11 3.39 -9.88	111.22 3.21 -10.65
DERFIELD_115KV_TB7 355931	75.67 0.82 0.00	72.83 0.79 0.00	74.59 0.88 0.00	76.21 0.90 0.00	77.96 0.92 0.00	95.42 1.13 0.00	101.06 1.30 0.00	99.17 1.27 0.00	98.50 1.26 0.00	82.21 1.06 0.00	91.23 1.17 0.00	80.80 0.96 0.00	72.11 0.93 0.00	71.92 0.85 0.00	71.99 0.85 0.00	79.86 0.95 0.00	98.30 1.26 0.00	98.81 1.36 0.00	100.54 1.39 0.00	98.70 1.36 0.00	98.60 1.36 0.00	98.00 1.26 0.00	98.10 1.26 0.00	98.53 1.17 0.00
DOGLEVILLE___HYD 23807	79.94 5.09 0.00	76.86 4.83 0.00	78.50 4.79 0.00	80.13 4.82 0.00	82.12 5.08 0.00	101.08 6.79 0.00	107.84 8.08 0.00	105.82 7.93 0.00	105.11 7.87 0.00	87.57 6.41 0.00	97.09 7.03 0.00	85.67 5.83 0.00	76.31 5.13 0.00	76.04 4.97 0.00	76.05 4.90 0.00	84.44 5.52 0.00	104.41 7.37 0.00	105.14 7.70 0.00	106.98 7.83 0.00	105.02 7.69 0.00	105.02 7.78 0.00	104.77 8.03 0.00	105.17 8.33 0.00	105.93 8.57 0.00
DUNKIRK___115KV_TB_200 55889	78.29 -3.97 -7.41	74.43 -3.46 -5.86	74.24 -3.24 -3.78	74.21 -3.39 -2.30	78.19 -3.47 -4.62	93.26 -5.37 -4.35	104.02 -4.89 -9.15	110.62 -5.09 -17.82	102.14 -6.22 -11.13	89.53 -5.36 -13.73	92.73 -5.13 -7.81	83.74 -4.07 -7.98	76.97 -3.56 -9.35	76.16 -3.84 -8.94	77.11 -4.06 -10.02	84.27 -4.73 -10.09	101.47 -6.02 -10.45	107.86 -4.77 -15.19	107.65 -4.56 -13.06	104.49 -5.06 -12.22	102.14 -5.35 -10.25	96.89 -6.19 -6.33	95.02 -6.00 -4.19	95.29 -4.58 -2.51
DUNKIRK___1 23563	78.29 -3.97 -7.41	74.43 -3.46 -5.86	74.24 -3.24 -3.78	74.21 -3.39 -2.30	78.19 -3.47 -4.62	93.26 -5.37 -4.35	104.02 -4.89 -9.15	110.62 -5.09 -17.82	102.14 -6.22 -11.13	89.53 -5.36 -13.73	92.73 -5.13 -7.81	83.74 -4.07 -7.98	76.97 -3.56 -9.35	76.16 -3.84 -8.94	77.11 -4.06 -10.02	84.27 -4.73 -10.09	101.47 -6.02 -10.45	107.86 -4.77 -15.19	107.65 -4.56 -13.06	104.49 -5.06 -12.22	102.14 -5.35 -10.25	96.89 -6.19 -6.33	95.02 -6.00 -4.19	95.29 -4.58 -2.51
DUNKIRK___2 23564	78.29 -3.97 -7.41	74.43 -3.46 -5.86	74.24 -3.24 -3.78	74.21 -3.39 -2.30	78.19 -3.47 -4.62	93.26 -5.37 -4.35	104.02 -4.89 -9.15	110.62 -5.09 -17.82	102.14 -6.22 -11.13	89.53 -5.36 -13.73	92.73 -5.13 -7.81	83.74 -4.07 -7.98	76.97 -3.56 -9.35	76.16 -3.84 -8.94	77.11 -4.06 -10.02	84.27 -4.73 -10.09	101.47 -6.02 -10.45	107.86 -4.77 -15.19	107.65 -4.56 -13.06	104.49 -5.06 -12.22	102.14 -5.35 -10.25	96.89 -6.19 -6.33	95.02 -6.00 -4.19	95.29 -4.58 -2.51
DUNKIRK___3 23565	77.77 -4.42 -7.34	73.94 -3.89 -5.80	73.76 -3.69 -3.74	73.81 -3.77 -2.27	77.68 -3.93 -4.58	92.75 -5.85 -4.30	103.23 -5.59 -9.06	109.77 -5.78 -17.65	101.26 -7.00 -11.03	88.76 -6.01 -13.61	91.94 -5.85 -7.73	83.03 -4.71 -7.90	76.32 -4.13 -9.27	75.51 -4.41 -8.85	76.45 -4.62 -9.93	83.47 -5.45 -10.00	100.50 -6.89 -10.35	106.84 -5.65 -15.05	106.64 -5.45 -12.94	103.50 -5.94 -12.11	101.17 -6.22 -10.15	95.96 -7.06 -6.28	94.11 -6.88 -4.15	94.49 -5.35 -2.48
DUNKIRK___4 23566	77.77 -4.42 -7.34	73.94 -3.89 -5.80	73.76 -3.69 -3.74	73.81 -3.77 -2.27	77.68 -3.93 -4.58	92.75 -5.85 -4.30	103.23 -5.59 -9.06	109.77 -5.78 -17.65	101.26 -7.00 -11.03	88.76 -6.01 -13.61	91.94 -5.85 -7.73	83.03 -4.71 -7.90	76.32 -4.13 -9.27	75.51 -4.41 -8.85	76.45 -4.62 -9.93	83.47 -5.45 -10.00	100.50 -6.89 -10.35	106.84 -5.65 -15.05	106.64 -5.45 -12.94	103.50 -5.94 -12.11	101.17 -6.22 -10.15	95.96 -7.06 -6.28	94.11 -6.88 -4.15	94.49 -5.35 -2.48
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	122.06 4.79 -42.43	112.53 4.61 -35.89	103.23 4.64 -24.88	98.51 4.74 -18.46	110.35 4.93 -28.38	123.89 5.94 -23.66	162.70 6.68 -56.25	202.16 6.85 -97.41	171.19 7.29 -66.65	162.27 6.09 -75.03	139.46 6.75 -42.65	129.56 6.15 -43.57	127.83 5.55 -51.10	125.43 5.54 -48.82	131.44 5.55 -54.75	139.96 5.92 -55.13	161.63 7.47 -57.11	187.66 7.70 -82.52	182.51 7.83 -75.53	170.82 7.40 -66.09	160.61 7.39 -55.98	138.40 7.06 -34.60	126.60 6.88 -22.88	120.51 6.13 -17.02
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	119.01 3.82 -40.34	109.84 3.67 -34.13	101.13 3.76 -23.66	96.70 3.84 -17.56	107.95 3.93 -26.99	121.69 4.90 -22.49	158.74 5.49 -53.49	195.91 5.38 -92.63	166.07 5.45 -63.38	157.05 4.54 -71.35	135.57 4.95 -40.56	125.75 4.47 -41.44	123.83 4.06 -48.59	121.54 4.05 -46.43	127.26 4.06 -52.06	135.75 4.42 -52.42	157.17 5.82 -54.31	181.27 6.04 -77.78	176.57 6.25 -71.17	165.61 5.94 -62.34	155.80 5.83 -52.72	134.84 5.51 -32.58	123.72 5.33 -21.55	118.31 4.77 -16.18



E179THST_138_KV_TB4_REV_LBMP_J 345001	122.30 5.01 -42.44	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.73 5.32 -28.38	123.89 5.94 -23.66	162.61 6.58 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.53 6.33 -75.04	139.64 6.93 -42.65	129.81 6.39 -43.58	128.12 5.84 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.91 7.76 -57.11	187.86 7.89 -82.52	182.81 8.13 -75.53	171.03 7.59 -66.10	160.72 7.49 -55.99	138.89 7.55 -34.60	126.79 7.07 -22.88	121.00 6.62 -17.02
E179THST_13_KV_LOAD 356214	122.60 5.31 -42.44	113.26 5.33 -35.90	104.05 5.45 -24.88	99.34 5.57 -18.46	111.04 5.62 -28.38	124.27 6.32 -23.66	163.10 7.08 -56.26	202.76 7.44 -97.42	171.87 7.97 -66.66	162.93 6.74 -75.04	140.10 7.38 -42.65	130.29 6.87 -43.58	128.48 6.19 -51.11	126.00 6.11 -48.83	132.09 6.19 -54.76	140.60 6.55 -55.13	162.50 8.35 -57.11	188.44 8.48 -82.52	183.41 8.73 -75.53	171.51 8.08 -66.10	161.30 8.07 -55.99	139.37 8.03 -34.60	127.28 7.55 -22.88	121.39 7.01 -17.02
EAST HAMPTON___GT 23717	132.97 8.23 -49.89	118.15 8.14 -37.98	114.40 8.55 -32.14	118.95 9.18 -34.47	119.27 9.63 -32.60	144.11 11.88 -37.94	190.60 13.17 -77.67	218.95 13.60 -107.45	276.34 13.90 -165.20	211.14 11.52 -118.46	210.60 12.70 -107.84	200.58 10.70 -110.03	150.78 8.97 -70.63	148.74 8.60 -69.08	152.75 8.32 -73.29	248.55 8.76 -160.88	167.30 11.15 -59.10	216.00 11.40 -107.17	225.21 11.40 -114.66	189.22 11.77 -80.11	187.00 12.06 -77.70	162.83 12.29 -53.80	144.28 12.98 -34.46	144.64 12.65 -34.63
EAST RIVER___6 23660	121.99 4.72 -42.42	112.39 4.47 -35.89	103.16 4.57 -24.88	98.43 4.67 -18.46	110.19 4.78 -28.38	123.79 5.85 -23.65	162.40 6.39 -56.25	201.97 6.66 -97.41	171.25 7.39 -66.63	162.32 6.17 -75.00	139.72 7.03 -42.63	129.86 6.46 -43.56	128.10 5.84 -51.08	125.76 5.90 -48.80	131.70 5.83 -54.73	140.25 6.23 -55.10	161.73 7.57 -57.11	186.28 7.61 -81.23	182.13 7.74 -75.24	170.64 7.20 -66.11	160.43 7.20 -56.00	138.32 6.97 -34.61	126.70 6.98 -22.89	120.31 5.94 -17.02
EAST RIVER___7 23524	121.99 4.72 -42.42	112.39 4.47 -35.89	103.16 4.57 -24.88	98.43 4.67 -18.46	110.19 4.78 -28.38	123.79 5.85 -23.65	162.40 6.39 -56.25	201.97 6.66 -97.41	171.25 7.39 -66.63	162.32 6.17 -75.00	139.72 7.03 -42.63	129.86 6.46 -43.56	128.10 5.84 -51.08	125.76 5.90 -48.80	131.70 5.83 -54.73	140.25 6.23 -55.10	161.73 7.57 -57.11	186.28 7.61 -81.23	182.13 7.74 -75.24	170.64 7.20 -66.11	160.43 7.20 -56.00	138.32 6.97 -34.61	126.70 6.98 -22.89	120.31 5.94 -17.02
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	121.62 4.57 -42.21	112.06 4.32 -35.70	102.88 4.42 -24.74	98.18 4.52 -18.35	109.97 4.70 -28.23	123.49 5.66 -23.54	162.10 6.38 -55.96	201.38 7.00 -96.93	170.55 7.54 -66.31	161.66 5.84 -74.65	138.89 6.39 -42.44	129.03 5.83 -43.36	127.29 5.27 -50.85	124.90 5.26 -48.58	130.88 5.26 -54.48	139.45 5.68 -54.85	161.05 7.18 -56.83	186.85 7.31 -82.10	181.73 7.44 -75.14	170.10 7.01 -65.75	159.94 7.00 -55.70	137.94 6.77 -34.42	126.10 6.49 -22.77	120.12 5.84 -16.92
EAST_HAMPTON___DIESEL 23722	132.90 8.16 -49.89	118.08 8.07 -37.98	114.32 8.47 -32.14	118.95 9.18 -34.47	119.27 9.63 -32.60	144.11 11.88 -37.94	190.60 13.17 -77.67	218.95 13.60 -107.45	276.35 13.90 -165.20	211.14 11.52 -118.46	210.50 12.61 -107.84	200.58 10.70 -110.03	150.71 8.90 -70.63	148.67 8.52 -69.08	152.61 8.18 -73.29	248.40 8.60 -160.88	167.11 10.96 -59.10	215.81 11.20 -107.17	225.01 11.20 -114.66	189.03 11.58 -80.11	186.90 11.96 -77.71	162.74 12.19 -53.80	144.28 12.98 -34.46	144.64 12.65 -34.63
EAST_POINT___SOLAR 323840	157.51 6.59 -76.08	162.47 6.26 -84.17	152.10 6.49 -71.90	159.54 6.63 -77.61	150.81 6.85 -66.91	135.19 8.67 -32.23	243.72 10.57 -133.39	240.32 9.69 -132.73	249.04 9.43 -142.37	190.38 6.98 -102.24	154.74 6.57 -58.12	143.69 4.47 -59.38	146.08 5.27 -69.63	142.64 5.05 -66.53	150.80 5.05 -74.61	160.03 5.99 -75.12	183.21 8.35 -77.82	238.24 9.55 -131.25	248.79 9.82 -139.82	223.66 9.64 -116.69	182.88 9.34 -76.30	152.70 8.80 -47.15	136.55 8.52 -31.19	157.48 7.98 -52.13
EAST_PULASKI___ESR 323781	77.40 -1.05 -3.60	73.80 -1.08 -2.84	74.44 -1.10 -1.83	75.29 -1.13 -1.11	78.05 -1.24 -2.24	94.80 -1.60 -2.11	103.40 -0.80 -4.44	105.83 -0.68 -8.61	101.55 -1.07 -5.37	86.41 -1.38 -6.63	92.30 -1.53 -3.77	82.34 -1.36 -3.85	74.34 -1.35 -4.52	74.03 -1.35 -4.32	74.77 -1.21 -4.84	82.45 -1.34 -4.87	100.73 -1.36 -5.05	103.21 -0.97 -6.75	104.61 -0.89 -6.35	101.30 -1.07 -5.04	100.96 -1.27 -4.98	98.18 -1.65 -3.08	97.23 -1.65 -2.04	96.83 -1.75 -1.22
EAST_RIVER___1 323558	122.21 4.94 -42.42	112.60 4.68 -35.89	103.38 4.79 -24.88	98.65 4.89 -18.46	110.50 5.08 -28.38	124.07 6.13 -23.65	162.80 6.79 -56.25	202.26 6.95 -97.41	171.46 7.59 -66.63	162.57 6.41 -75.00	139.80 7.11 -42.63	129.86 6.46 -43.56	128.10 5.84 -51.08	125.76 5.90 -48.80	131.77 5.90 -54.73	140.25 6.23 -55.10	161.92 7.77 -57.11	186.67 7.99 -81.23	182.42 8.03 -75.24	171.04 7.60 -66.11	160.83 7.59 -56.00	138.61 7.26 -34.61	126.89 7.17 -22.89	120.61 6.24 -17.02
EAST_RIVER___2 323559	121.99 4.72 -42.42	112.39 4.47 -35.89	103.16 4.57 -24.88	98.43 4.67 -18.46	110.19 4.78 -28.38	123.79 5.85 -23.65	162.40 6.39 -56.25	201.97 6.66 -97.41	171.25 7.39 -66.63	162.32 6.17 -75.00	139.72 7.03 -42.63	129.86 6.46 -43.56	128.10 5.84 -51.08	125.76 5.90 -48.80	131.70 5.83 -54.73	140.25 6.23 -55.10	161.73 7.57 -57.11	186.28 7.61 -81.23	182.13 7.74 -75.24	170.64 7.20 -66.11	160.43 7.20 -56.00	138.32 6.97 -34.61	126.70 6.98 -22.89	120.31 5.94 -17.02
EAST___DELAWARE_HYD 23607	117.01 4.04 -38.12	108.39 3.89 -32.47	100.34 3.98 -22.66	96.44 4.06 -17.08	106.95 4.23 -25.68	120.71 5.28 -21.14	156.85 6.19 -50.90	190.74 5.77 -87.07	164.73 6.52 -60.97	154.44 5.20 -68.09	134.25 5.49 -38.70	124.34 4.95 -39.54	121.90 4.34 -46.37	119.78 4.41 -44.31	125.17 4.34 -49.68	133.83 4.89 -50.02	154.11 6.02 -51.05	177.87 6.43 -74.00	173.63 6.54 -67.93	162.97 6.23 -59.40	153.42 6.13 -50.05	133.28 5.61 -30.93	122.82 5.52 -20.46	117.85 4.96 -15.53
EIGHT_POINT___WT_PWR 323820	82.39 -1.87 -9.42	78.46 -1.65 -8.09	77.99 -1.40 -5.69	78.32 -1.35 -4.37	82.12 -1.31 -6.40	97.12 -2.35 -5.19	112.10 -0.40 -12.73	118.54 -1.28 -21.92	110.04 -2.53 -15.32	94.71 -3.33 -16.88	96.32 -3.33 -9.60	86.69 -2.95 -9.80	79.69 -2.99 -11.50	79.28 -2.77 -10.98	80.54 -2.92 -12.32	88.40 -2.92 -12.40	106.88 -3.01 -12.85	114.74 -1.36 -18.66	115.25 -1.09 -17.19	110.81 -1.56 -15.03	107.95 -1.85 -12.56	101.51 -3.00 -7.76	99.16 -2.81 -5.13	98.93 -2.43 -4.00
ELBRIDGE_115KV_TB2 80188	78.34 -1.57 -5.07	74.53 -1.51 -4.01	74.82 -1.47 -2.58	75.37 -1.51 -1.57	78.66 -1.54 -3.16	95.28 -1.98 -2.97	104.43 -1.60 -6.26	109.09 -1.27 -12.47	103.46 -1.65 -7.87	89.17 -1.70 -9.71	93.87 -1.71 -5.52	83.88 -1.60 -5.64	76.37 -1.42 -6.61	75.82 -1.56 -6.32	76.73 -1.49 -7.09	84.47 -1.58 -7.13	102.41 -1.94 -7.31	106.49 -1.66 -10.70	106.90 -1.49 -9.23	104.26 -1.65 -8.58	102.64 -1.85 -7.25	98.90 -2.32 -4.48	97.38 -2.42 -2.96	96.65 -2.43 -1.72
ELEC_TRO_TEK 24086	130.43 5.69 -49.89	115.48 5.47 -37.98	111.45 5.60 -32.14	115.49 5.72 -34.47	115.49 5.85 -32.60	139.39 7.17 -37.94	185.31 7.98 -77.57	213.37 8.13 -107.35	192.86 8.56 -87.06	163.21 7.06 -74.99	152.94 7.92 -54.96	150.64 7.19 -63.62	148.28 6.55 -70.55	146.53 6.47 -69.00	150.90 6.54 -73.21	157.71 7.02 -71.78	164.83 8.73 -59.06	205.98 8.96 -99.58	212.58 9.12 -104.31	185.99 8.66 -80.00	167.08 8.65 -61.19	148.01 8.32 -42.95	139.29 8.04 -34.41	139.34 7.40 -34.59



ELLENBURG_WT_PWR 323604	73.65 -1.20 0.00	70.74 -1.29 0.00	72.16 -1.55 0.00	73.49 -1.81 0.00	75.19 -1.85 0.00	92.41 -1.89 0.00	96.37 -3.39 0.00	95.16 -2.74 0.00	94.13 -3.12 0.00	79.13 -2.03 0.00	87.17 -2.89 0.00	77.04 -2.80 0.00	68.62 -2.56 0.00	68.29 -2.77 0.00	68.58 -2.56 0.00	76.39 -2.53 0.00	94.22 -2.82 0.00	95.01 -2.43 0.00	96.88 -2.28 0.00	95.68 -1.66 0.00	95.78 -1.46 0.00	96.17 -0.58 0.00	96.17 -0.67 0.00	97.46 0.10 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	77.06 -4.94 -7.16	73.22 -4.47 -5.65	73.08 -4.28 -3.65	73.15 -4.37 -2.22	76.88 -4.62 -4.46	91.89 -6.60 -4.20	101.91 -6.68 -8.83	108.19 -6.95 -17.25	99.84 -8.17 -10.77	87.47 -6.98 -13.29	90.68 -6.93 -7.56	81.81 -5.75 -7.72	75.18 -5.05 -9.05	74.31 -5.40 -8.65	75.29 -5.55 -9.70	82.13 -6.55 -9.77	98.90 -8.25 -10.11	104.93 -7.21 -14.70	104.65 -7.14 -12.64	101.66 -7.49 -11.82	99.48 -7.68 -9.92	94.36 -8.51 -6.13	92.76 -8.13 -4.05	93.26 -6.52 -2.43
EMPIRE_CC_1 323656	131.77 3.74 -53.18	124.45 3.60 -48.82	113.92 3.76 -36.46	110.88 3.84 -31.74	119.55 3.85 -38.67	126.69 4.71 -27.68	181.74 5.18 -76.79	216.79 4.89 -114.00	190.45 5.25 -87.96	173.11 4.14 -87.81	144.65 4.68 -49.92	135.07 4.23 -51.00	134.69 3.70 -59.81	131.90 3.69 -57.14	138.99 3.77 -64.08	147.61 4.18 -64.52	169.02 5.14 -66.84	203.08 5.26 -100.39	200.14 5.45 -95.54	185.32 5.25 -82.73	168.02 5.25 -65.53	142.27 5.03 -40.50	128.75 5.13 -26.79	127.73 4.87 -25.51
EMPIRE_CC_2 323658	131.77 3.74 -53.18	124.45 3.60 -48.82	113.92 3.76 -36.46	110.88 3.84 -31.74	119.55 3.85 -38.67	126.69 4.71 -27.68	181.74 5.18 -76.79	216.79 4.89 -114.00	190.45 5.25 -87.96	173.11 4.14 -87.81	144.65 4.68 -49.92	135.07 4.23 -51.00	134.69 3.70 -59.81	131.90 3.69 -57.14	138.99 3.77 -64.08	147.61 4.18 -64.52	169.02 5.14 -66.84	203.08 5.26 -100.39	200.14 5.45 -95.54	185.32 5.25 -82.73	168.02 5.25 -65.53	142.27 5.03 -40.50	128.75 5.13 -26.79	127.73 4.87 -25.51
ENORWICH_115KV_TB1 80156	95.12 6.14 -14.14	90.47 5.69 -12.75	88.98 5.90 -9.38	89.25 6.02 -7.92	93.37 6.24 -10.09	109.69 7.92 -7.48	129.68 9.88 -20.04	139.42 10.67 -30.85	129.95 9.53 -23.18	112.00 7.06 -23.78	110.96 7.38 -13.52	99.72 6.07 -13.81	92.72 5.34 -16.20	91.66 5.12 -15.48	93.76 5.26 -17.36	102.70 6.31 -17.48	124.25 9.12 -18.09	134.93 10.33 -27.16	135.27 10.71 -25.41	129.53 9.83 -22.37	124.52 9.53 -17.75	116.13 8.42 -10.97	112.13 8.04 -7.26	111.97 8.08 -6.53
ERIE_ST__34_KV_TB1-2 80199	76.71 -5.54 -7.41	72.84 -5.04 -5.85	72.62 -4.86 -3.77	72.55 -5.05 -2.29	76.50 -5.16 -4.62	91.28 -7.35 -4.34	101.62 -7.28 -9.14	108.48 -7.24 -17.83	100.01 -8.36 -11.13	87.76 -7.14 -13.74	90.66 -7.20 -7.81	81.83 -5.99 -7.98	75.20 -5.34 -9.36	74.46 -5.54 -8.94	75.40 -5.76 -10.03	82.30 -6.71 -10.09	99.05 -8.44 -10.45	105.43 -7.21 -15.20	105.08 -7.14 -13.07	102.07 -7.49 -12.22	99.62 -7.88 -10.25	94.47 -8.61 -6.34	92.61 -8.43 -4.19	92.86 -7.01 -2.51
ERIE_WT_PWR 323693	77.29 -4.86 -7.31	73.49 -4.32 -5.77	73.31 -4.13 -3.72	73.28 -4.29 -2.26	77.12 -4.47 -4.56	92.07 -6.50 -4.28	103.90 -4.89 -9.02	108.94 -6.56 -17.61	100.83 -7.39 -10.99	88.06 -6.65 -13.56	91.10 -6.66 -7.71	82.21 -5.51 -7.87	75.00 -5.41 -9.23	74.77 -5.12 -8.82	75.70 -5.34 -9.89	82.64 -6.24 -9.96	99.51 -7.86 -10.32	105.68 -6.72 -14.96	105.37 -6.64 -12.86	102.36 -7.01 -12.03	100.04 -7.29 -10.09	94.95 -8.03 -6.24	93.51 -7.45 -4.13	93.70 -6.13 -2.47
ESPRGFLD_115KV_TB1 80157	93.63 3.67 -15.12	104.74 3.53 -29.17	108.69 3.54 -31.44	122.39 3.69 -43.40	104.26 3.85 -23.37	99.19 4.90 0.00	152.79 6.09 -46.94	103.97 6.07 0.00	145.62 5.74 -42.65	85.62 4.46 0.00	94.56 4.50 0.00	83.43 3.59 0.00	74.67 3.49 0.00	74.40 3.34 0.00	74.48 3.34 0.00	82.86 3.95 0.00	102.28 5.24 0.00	124.00 5.94 -20.62	135.81 6.15 -30.51	132.40 5.84 -29.23	102.78 5.54 0.00	101.97 5.22 0.00	101.68 4.84 0.00	125.78 4.48 -23.95
ETNA_115_KV_TB1_REV_LBMP_C 345029	85.94 0.97 -10.12	81.72 0.94 -8.76	80.87 0.96 -6.20	81.20 1.05 -4.84	85.04 1.08 -6.93	101.06 1.23 -5.54	115.50 2.00 -13.74	123.15 2.35 -22.91	115.20 1.75 -16.21	99.73 0.89 -17.68	101.10 0.99 -10.05	90.83 0.72 -10.27	83.86 0.64 -12.04	83.07 0.50 -11.50	84.61 0.57 -12.90	92.77 0.87 -12.99	111.93 1.46 -13.43	119.16 2.05 -19.68	119.59 2.28 -18.16	115.18 1.95 -15.90	112.18 1.75 -13.19	105.87 0.97 -8.15	103.10 0.87 -5.39	102.41 0.78 -4.28
ETNA____115KV_TB2 80207	85.94 0.97 -10.12	81.72 0.94 -8.76	80.87 0.96 -6.20	81.20 1.05 -4.84	85.04 1.08 -6.93	101.06 1.23 -5.54	115.50 2.00 -13.74	123.15 2.35 -22.91	115.20 1.75 -16.21	99.73 0.89 -17.68	101.10 0.99 -10.05	90.83 0.72 -10.27	83.86 0.64 -12.04	83.07 0.50 -11.50	84.61 0.57 -12.90	92.77 0.87 -12.99	111.93 1.46 -13.43	119.16 2.05 -19.68	119.59 2.28 -18.16	115.18 1.95 -15.90	112.18 1.75 -13.19	105.87 0.97 -8.15	103.10 0.87 -5.39	102.41 0.78 -4.28
EUCLID____115KV_TB2 356179	77.02 -2.02 -4.19	73.40 -1.94 -3.31	73.93 -1.92 -2.14	74.64 -1.96 -1.30	77.65 -2.00 -2.62	94.20 -2.55 -2.46	102.65 -2.29 -5.18	107.13 -0.78 -10.02	102.78 -1.17 -6.70	88.05 -1.38 -8.27	93.41 -1.35 -4.70	83.37 -1.28 -4.80	75.68 -1.14 -5.63	75.24 -1.21 -5.38	76.04 -1.14 -6.04	83.81 -1.18 -6.08	100.39 -2.52 -5.87	103.56 -2.24 -8.36	104.84 -2.18 -7.87	101.24 -2.34 -6.24	100.98 -2.43 -6.17	97.66 -2.90 -3.82	96.46 -2.91 -2.52	95.86 -2.92 -1.43
E_CANADA_CAP_HY 24051	156.58 5.02 -76.72	159.76 4.75 -82.97	148.46 4.86 -69.89	154.27 4.97 -74.00	148.14 5.16 -65.94	134.37 6.60 -33.48	239.33 8.18 -131.39	243.11 7.35 -137.86	245.71 7.09 -141.37	192.70 5.36 -106.19	155.91 5.49 -60.36	145.82 4.31 -61.67	147.78 4.27 -72.33	144.28 4.12 -69.10	152.76 4.12 -77.49	161.91 4.97 -78.02	184.27 6.40 -80.83	238.17 7.31 -133.42	247.26 7.53 -140.58	221.73 7.30 -117.09	183.50 7.01 -79.25	152.49 6.77 -48.98	135.82 6.59 -32.39	153.89 6.04 -50.50
E_CANADA_MHWK_HY 24050	79.94 5.09 0.00	76.86 4.83 0.00	78.50 4.79 0.00	80.13 4.82 0.00	82.12 5.08 0.00	101.08 6.79 0.00	107.84 8.08 0.00	105.82 7.93 0.00	105.11 7.87 0.00	87.57 6.41 0.00	97.09 7.03 0.00	85.67 5.83 0.00	76.31 5.13 0.00	76.04 4.97 0.00	76.05 4.90 0.00	84.44 5.52 0.00	104.41 7.37 0.00	105.14 7.70 0.00	106.98 7.83 0.00	105.02 7.69 0.00	105.02 7.78 0.00	104.77 8.03 0.00	105.17 8.33 0.00	105.93 8.57 0.00
E_FISHKILL____LBMP 23776	123.32 4.42 -44.06	113.53 4.18 -37.32	103.88 4.28 -25.90	98.94 4.37 -19.27	111.01 4.47 -29.51	124.31 5.47 -24.55	164.34 6.09 -58.49	205.05 6.07 -101.08	173.12 6.61 -69.27	164.45 5.44 -77.85	140.35 6.03 -44.26	130.49 5.43 -45.21	129.12 4.91 -53.03	126.63 4.90 -50.66	132.86 4.91 -56.81	141.40 5.29 -57.20	163.00 6.70 -59.26	189.95 6.82 -85.69	184.57 6.94 -78.47	172.61 6.62 -68.65	161.96 6.61 -58.11	139.04 6.39 -35.91	126.79 6.20 -23.75	120.72 5.65 -17.72
FALCON____SEABRD_CC1 323796	74.77 -0.07 0.00	71.82 -0.22 0.00	73.34 -0.37 0.00	74.70 -0.61 0.00	76.42 -0.62 0.00	93.73 -0.56 0.00	97.37 -2.40 0.00	96.23 -1.66 0.00	95.01 -2.23 0.00	79.86 -1.30 0.00	87.89 -2.16 0.00	77.77 -2.08 0.00	69.26 -1.92 0.00	68.93 -2.13 0.00	69.22 -1.92 0.00	77.10 -1.81 0.00	95.00 -2.04 0.00	95.88 -1.56 0.00	97.67 -1.48 0.00	96.36 -0.97 0.00	96.56 -0.68 0.00	96.94 0.19 0.00	96.84 0.00 0.00	98.82 1.46 0.00



FALCON___SEABRD_CC2 323797	74.77 -0.07 0.00	71.82 -0.22 0.00	73.34 -0.37 0.00	74.70 -0.61 0.00	76.42 -0.62 0.00	93.73 -0.56 0.00	97.37 -2.40 0.00	96.23 -1.66 0.00	95.01 -2.23 0.00	79.86 -1.30 0.00	87.89 -2.16 0.00	77.77 -2.08 0.00	69.26 -1.92 0.00	68.93 -2.13 0.00	69.22 -1.92 0.00	77.10 -1.81 0.00	95.00 -2.04 0.00	95.88 -1.56 0.00	97.67 -1.48 0.00	96.36 -0.97 0.00	96.56 -0.68 0.00	96.94 0.19 0.00	96.84 0.00 0.00	98.82 1.46 0.00
FAR ROCKAWAY___4 23548	131.40 6.66 -49.89	116.35 6.34 -37.98	112.41 6.56 -32.14	116.39 6.63 -34.47	116.42 6.78 -32.60	140.05 7.83 -37.94	186.11 8.78 -77.57	214.25 9.01 -107.35	193.83 9.53 -87.06	163.94 7.79 -74.99	153.93 8.92 -54.96	151.44 7.98 -63.62	148.92 7.19 -70.55	147.24 7.18 -69.00	151.54 7.19 -73.21	158.42 7.73 -71.78	165.90 9.80 -59.06	206.96 9.94 -99.58	213.67 10.21 -104.31	187.07 9.73 -80.00	168.15 9.72 -61.19	148.88 9.19 -42.95	140.55 9.30 -34.41	140.51 8.57 -34.59
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	122.29 5.01 -42.43	112.68 4.75 -35.89	103.45 4.86 -24.88	98.73 4.97 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	162.80 6.78 -56.25	202.36 7.05 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.78 5.90 -48.82	131.80 5.90 -54.75	140.27 6.23 -55.13	162.01 7.86 -57.11	187.95 7.99 -82.52	182.81 8.13 -75.53	171.02 7.59 -66.09	160.90 7.68 -55.98	138.79 7.45 -34.60	126.79 7.07 -22.88	120.70 6.33 -17.02
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	122.29 5.01 -42.43	112.68 4.75 -35.89	103.45 4.86 -24.88	98.73 4.97 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	162.80 6.78 -56.25	202.36 7.05 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.78 5.90 -48.82	131.80 5.90 -54.75	140.27 6.23 -55.13	162.01 7.86 -57.11	187.95 7.99 -82.52	182.81 8.13 -75.53	171.12 7.69 -66.09	160.90 7.68 -55.98	138.79 7.45 -34.60	126.89 7.17 -22.88	120.70 6.33 -17.02
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	122.21 4.94 -42.43	112.68 4.75 -35.89	103.45 4.86 -24.88	98.73 4.97 -18.46	110.50 5.08 -28.38	124.08 6.13 -23.66	162.70 6.68 -56.25	202.26 6.95 -97.41	171.48 7.58 -66.65	162.52 6.33 -75.03	139.73 7.02 -42.65	129.80 6.39 -43.57	128.12 5.84 -51.10	125.71 5.83 -48.82	131.73 5.83 -54.75	140.27 6.23 -55.13	162.01 7.86 -57.11	187.95 7.99 -82.52	182.71 8.03 -75.53	171.02 7.59 -66.09	160.81 7.58 -55.98	138.69 7.35 -34.60	126.79 7.07 -22.88	120.61 6.23 -17.02
FARRAGUT___LBMP 323566	122.21 4.94 -42.43	112.61 4.68 -35.89	103.38 4.79 -24.88	98.66 4.89 -18.46	110.42 5.01 -28.38	124.08 6.13 -23.66	162.60 6.58 -56.25	202.16 6.85 -97.41	171.38 7.49 -66.65	162.44 6.25 -75.03	139.64 6.93 -42.65	129.72 6.31 -43.57	128.05 5.77 -51.10	125.64 5.76 -48.82	131.65 5.76 -54.75	140.20 6.16 -55.13	161.92 7.76 -57.11	187.86 7.89 -82.52	182.71 8.03 -75.53	170.92 7.49 -66.09	160.71 7.26 -55.98	138.60 7.26 -34.60	126.69 6.97 -22.88	120.61 6.23 -17.02
FENNER___WINDPWR 24204	81.84 1.72 -5.27	77.78 1.58 -4.17	78.09 1.70 -2.69	78.67 1.73 -1.63	82.10 1.77 -3.29	99.64 2.26 -3.09	109.46 3.19 -6.51	114.05 3.33 -12.82	108.26 3.02 -8.00	93.14 2.11 -9.87	97.92 2.25 -5.61	87.41 1.84 -5.73	79.47 1.56 -6.73	79.05 1.56 -6.43	79.91 1.56 -7.21	88.06 1.89 -7.26	107.08 2.52 -7.52	111.17 2.92 -10.81	111.45 2.97 -9.32	108.64 2.63 -8.68	107.08 2.52 -7.32	103.30 2.03 -4.52	101.77 1.94 -2.99	101.00 1.85 -1.79
FIBERTEK___ENERGY 23856	78.18 -1.50 -4.83	74.41 -1.44 -3.82	74.70 -1.47 -2.46	75.37 -1.43 -1.50	78.59 -1.46 -3.01	95.14 -1.98 -2.83	104.33 -1.40 -5.96	108.99 -0.98 -12.07	103.60 -1.26 -7.63	89.11 -1.46 -9.41	93.87 -1.53 -5.35	83.87 -1.44 -5.47	76.31 -1.28 -6.41	75.84 -1.35 -6.12	76.73 -1.28 -6.87	84.49 -1.34 -6.91	102.47 -1.65 -7.08	106.35 -1.46 -10.37	106.71 -1.39 -8.95	104.09 -1.56 -8.31	102.61 -1.65 -7.02	98.86 -2.23 -4.34	97.39 -2.32 -2.87	96.66 -2.34 -1.64
FITZPATRICK____ 23598	75.04 -2.92 -3.11	71.68 -2.81 -2.46	72.42 -2.88 -1.59	73.41 -2.86 -0.96	76.05 -2.93 -1.94	92.44 -3.68 -1.82	100.21 -3.39 -3.84	101.88 -3.52 -7.50	98.23 -3.70 -4.68	83.60 -3.33 -5.78	89.73 -3.61 -3.28	80.00 -3.20 -3.35	72.19 -2.92 -3.93	71.91 -2.92 -3.76	72.51 -2.85 -4.22	80.00 -3.16 -4.24	97.65 -3.79 -4.40	99.68 -3.60 -5.84	101.09 -3.57 -5.50	98.10 -3.60 -4.36	97.86 -3.70 -4.32	95.35 -4.06 -2.67	94.63 -3.97 -1.76	94.42 -4.00 -1.06
FLOWRFLD_69_KV_BK1 356044	132.30 7.56 -49.89	117.21 7.20 -37.98	113.22 7.37 -32.14	117.37 7.61 -34.47	117.42 7.78 -32.60	141.94 9.71 -37.94	187.82 10.38 -77.69	215.64 10.28 -107.46	285.20 10.60 -177.36	214.93 8.52 -125.25	215.76 9.64 -116.07	205.96 8.86 -117.26	149.82 7.97 -70.67	148.14 7.96 -69.11	152.51 8.04 -73.33	262.33 8.68 -174.74	167.21 11.06 -59.11	217.06 11.30 -108.32	226.79 11.40 -116.24	188.45 11.00 -80.11	188.38 10.89 -80.25	162.67 10.45 -55.47	141.66 10.36 -34.46	141.83 9.83 -34.63
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	122.28 4.94 -42.49	112.85 4.83 -35.99	103.63 4.94 -24.98	98.94 5.05 -18.59	110.66 5.16 -28.46	124.37 6.41 -23.67	163.36 7.18 -56.41	202.32 6.95 -97.47	171.44 7.39 -66.81	162.24 6.01 -75.07	139.31 6.57 -42.67	129.43 5.99 -43.60	127.65 5.34 -51.13	125.24 5.33 -48.85	131.26 5.34 -54.78	139.91 5.84 -55.16	161.66 7.47 -57.15	187.75 7.70 -82.61	182.64 7.83 -75.66	171.02 7.49 -66.19	160.64 7.39 -56.01	138.33 6.97 -34.61	126.61 6.88 -22.89	120.68 6.23 -17.09
FORT ORANGE____ 23900	135.32 3.07 -57.41	130.78 3.10 -55.65	120.37 3.24 -43.42	119.51 3.31 -40.90	124.48 3.31 -44.13	126.90 4.25 -28.36	190.90 3.39 -87.74	217.83 3.13 -116.80	198.95 3.31 -98.40	173.85 2.67 -90.01	144.46 3.24 -51.17	135.07 2.96 -52.28	135.05 2.56 -61.31	132.05 2.42 -58.57	139.17 2.34 -65.69	147.73 2.68 -66.13	168.92 3.39 -68.48	207.03 3.61 -105.99	206.60 3.67 -103.78	190.15 3.60 -89.21	167.88 3.50 -67.14	141.43 3.19 -41.49	127.67 3.39 -27.44	132.50 4.39 -30.76
FORT_DRUM_COGEN 23780	80.24 2.92 -2.48	76.51 2.52 -1.96	77.48 2.51 -1.26	78.71 2.64 -0.77	81.28 2.70 -1.54	99.23 3.49 -1.45	107.51 4.69 -3.06	109.13 5.29 -5.95	105.41 4.47 -3.69	88.88 3.17 -4.56	95.71 3.06 -2.59	85.20 2.71 -2.65	76.63 2.35 -3.10	76.23 2.20 -2.97	76.81 2.35 -3.33	84.95 2.68 -3.35	104.50 3.98 -3.49	106.53 4.48 -4.61	108.15 4.66 -4.33	104.96 4.19 -3.44	104.63 3.99 -3.40	102.14 3.29 -2.10	101.33 3.10 -1.39	101.21 3.02 -0.83
FOX_HILLS___ESR 323835	234.33 5.91 -153.57	113.32 5.33 -35.95	103.97 5.38 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	124.51 6.51 -23.71	163.20 7.18 -56.26	202.66 7.34 -97.42	171.87 7.97 -66.66	162.93 6.74 -75.04	140.10 7.38 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	133.44 6.12 -56.18	151.95 6.55 -66.49	210.53 8.35 -105.15	224.45 8.57 -118.43	215.53 8.82 -107.55	210.29 8.18 -104.78	210.30 8.07 -104.99	144.92 7.93 -40.25	126.99 7.26 -22.88	226.08 6.33 -122.39
FPL FAR_ROCK_GT1 24212	131.40 6.66 -49.89	116.35 6.34 -37.98	112.41 6.56 -32.14	116.40 6.63 -34.47	116.42 6.78 -32.60	140.05 7.82 -37.94	186.32 8.98 -77.57	214.25 9.00 -107.35	193.81 9.54 -87.04	163.91 7.79 -74.96	153.92 8.92 -54.95	151.42 7.98 -63.60	148.90 7.19 -70.53	147.30 7.25 -68.98	151.52 7.18 -73.19	158.41 7.74 -71.76	165.90 9.80 -59.06	207.08 10.04 -99.60	213.70 10.21 -104.33	187.08 9.73 -80.01	168.17 9.72 -61.20	148.79 9.09 -42.96	140.16 8.90 -34.42	140.51 8.57 -34.59



FPL FAR_ROCK_GT2 23815	131.40 6.66 -49.89	116.35 6.34 -37.98	112.41 6.56 -32.14	116.40 6.63 -34.47	116.42 6.78 -32.60	140.05 7.82 -37.94	186.32 8.98 -77.57	214.25 9.00 -107.35	193.81 9.54 -87.04	163.91 7.79 -74.96	153.92 8.92 -54.95	151.42 7.98 -63.60	148.90 7.19 -70.53	147.30 7.25 -68.98	151.52 7.18 -73.19	158.41 7.74 -71.76	165.90 9.80 -59.06	207.08 10.04 -99.60	213.70 10.21 -104.33	187.08 9.73 -80.01	168.17 9.72 -61.20	148.79 9.09 -42.96	140.16 8.90 -34.42	140.51 8.57 -34.59
FRANKLIN_FALL_HYD 24054	82.65 7.04 -0.76	79.19 6.55 -0.60	80.73 6.63 -0.39	82.39 6.85 -0.24	84.45 6.93 -0.48	102.56 7.83 -0.45	109.88 9.18 -0.94	108.35 8.61 -1.84	104.71 6.32 -1.14	88.50 5.92 -1.41	97.43 6.57 -0.80	87.69 7.03 -0.82	78.69 6.55 -0.96	78.45 6.47 -0.92	78.36 6.19 -1.03	85.79 5.84 -1.04	104.42 6.31 -1.08	98.38 -0.49 -1.43	99.90 -0.59 -1.34	98.11 -0.29 -1.07	98.20 -0.10 -1.05	98.36 0.97 -0.65	98.34 1.07 -0.43	98.82 1.46 0.00
FREEPORT_EQUS_GT1 23764	130.65 5.91 -49.89	115.70 5.69 -37.98	111.60 5.75 -32.14	115.65 5.88 -34.47	115.72 6.08 -32.60	139.67 7.45 -37.94	185.61 8.28 -77.57	213.67 8.42 -107.35	193.13 8.85 -87.04	163.34 7.22 -74.96	153.20 8.19 -54.95	150.87 7.43 -63.60	148.40 6.69 -70.53	146.80 6.75 -68.98	151.10 6.76 -73.19	157.93 7.26 -71.76	164.93 8.83 -59.06	206.11 9.06 -99.60	212.70 9.22 -104.33	186.11 8.76 -80.01	167.10 8.65 -61.20	148.31 8.61 -42.96	139.78 8.52 -34.42	139.63 7.69 -34.59
FREEPORT___CT2 23818	130.65 5.91 -49.89	115.70 5.69 -37.98	111.60 5.75 -32.14	115.65 5.88 -34.47	115.72 6.08 -32.60	139.67 7.45 -37.94	185.61 8.28 -77.57	213.67 8.42 -107.35	193.13 8.85 -87.04	163.34 7.22 -74.96	153.20 8.19 -54.95	150.87 7.43 -63.60	148.40 6.69 -70.53	146.80 6.75 -68.98	151.10 6.76 -73.19	157.93 7.26 -71.76	164.93 8.83 -59.06	206.11 9.06 -99.60	212.70 9.22 -104.33	186.11 8.76 -80.01	167.10 8.65 -61.20	148.31 8.61 -42.96	139.78 8.52 -34.42	139.63 7.69 -34.59
FRESHKLS_33_KV_LOAD 356253	234.41 5.99 -153.57	113.24 5.26 -35.95	103.97 5.38 -24.88	99.26 5.50 -18.46	111.04 5.62 -28.38	124.51 6.51 -23.71	163.10 7.08 -56.26	202.37 7.05 -97.42	171.68 7.78 -66.66	162.69 6.49 -75.04	139.74 7.02 -42.65	129.89 6.47 -43.58	128.12 5.84 -51.11	125.72 5.83 -48.83	133.22 5.90 -56.18	151.71 6.31 -66.49	210.24 8.05 -105.15	224.16 8.28 -118.43	215.23 8.53 -107.55	210.10 7.98 -104.78	210.10 7.88 -104.99	144.63 7.64 -40.25	126.79 7.07 -22.88	225.89 6.13 -122.39
FULTON COGEN____ 23766	76.70 -2.10 -3.95	73.13 -2.02 -3.12	73.73 -1.99 -2.01	74.49 -2.03 -1.22	77.42 -2.08 -2.46	93.96 -2.64 -2.31	102.34 -2.29 -4.87	105.33 -2.06 -9.49	100.70 -2.43 -5.89	86.08 -2.35 -7.27	91.76 -2.43 -4.13	81.83 -2.24 -4.22	74.14 -1.99 -4.95	73.66 -2.13 -4.73	74.46 -1.99 -5.31	82.13 -2.13 -5.34	100.08 -2.52 -5.56	102.55 -2.24 -7.35	103.99 -2.08 -6.92	100.58 -2.24 -5.49	100.33 -2.33 -5.43	97.20 -2.90 -3.35	96.15 -2.91 -2.22	95.68 -3.02 -1.34
FULTON___LFGE 323630	156.68 5.91 -75.92	162.13 5.62 -84.47	151.87 5.75 -72.41	159.70 5.88 -78.52	150.28 6.08 -67.16	133.84 7.63 -31.92	242.83 9.17 -133.90	237.85 8.51 -131.44	248.13 8.26 -142.62	188.81 6.41 -101.24	154.37 6.76 -57.55	143.99 5.35 -58.80	145.19 5.05 -68.96	141.85 4.90 -65.88	149.93 4.90 -73.88	159.06 5.76 -74.39	181.68 7.57 -77.06	236.52 8.38 -130.70	247.41 8.62 -139.64	222.38 8.46 -116.58	181.06 8.26 -75.56	151.27 7.83 -46.69	135.37 7.65 -30.88	157.11 7.20 -52.54
G.F.CEMENT___DRP 24184	153.64 6.59 -72.21	160.18 6.27 -81.88	151.12 6.41 -71.00	160.01 6.55 -78.15	148.94 6.78 -65.13	130.36 6.51 -29.56	237.03 7.38 -129.88	226.88 7.24 -121.74	241.96 7.29 -137.42	180.85 5.92 -93.77	150.11 6.75 -53.30	139.73 5.43 -54.46	139.81 4.77 -63.86	136.63 4.55 -61.02	144.05 4.48 -68.42	152.94 5.13 -68.89	174.92 6.50 -71.38	228.36 7.11 -123.80	239.46 7.14 -133.16	216.21 7.01 -111.86	174.05 6.81 -70.00	146.68 6.68 -43.26	132.13 6.68 -28.61	157.10 8.08 -51.66
GARDENVILLE___LBMP 24039	77.18 -4.94 -7.27	73.38 -4.39 -5.75	73.21 -4.20 -3.71	73.19 -4.37 -2.25	77.03 -4.55 -4.54	91.95 -6.60 -4.26	102.15 -6.58 -8.98	108.66 -6.75 -17.52	100.21 -7.97 -10.94	87.77 -6.90 -13.50	90.89 -6.84 -7.68	82.02 -5.67 -7.84	75.40 -4.98 -9.20	74.59 -5.26 -8.79	75.52 -5.48 -9.85	82.45 -6.39 -9.92	99.26 -8.05 -10.27	105.46 -6.92 -14.94	105.15 -6.84 -12.84	102.15 -7.20 -12.01	99.83 -7.49 -10.08	94.75 -8.22 -6.23	93.02 -7.94 -4.12	93.40 -6.43 -2.46
GARDNVLA_35_KV_LD 355827	77.38 -4.79 -7.32	73.57 -4.25 -5.78	73.39 -4.05 -3.73	73.35 -4.22 -2.27	77.21 -4.39 -4.57	92.17 -6.41 -4.29	102.61 -6.19 -9.04	109.06 -6.46 -17.62	100.66 -7.58 -11.01	88.17 -6.57 -13.58	91.29 -6.48 -7.72	82.38 -5.35 -7.89	75.73 -4.70 -9.25	74.93 -4.97 -8.84	75.86 -5.19 -9.91	82.82 -6.08 -9.98	99.61 -7.76 -10.33	105.94 -6.53 -15.02	105.62 -6.44 -12.92	102.60 -6.81 -12.08	100.28 -7.10 -10.14	95.17 -7.84 -6.26	93.33 -7.65 -4.14	93.80 -6.04 -2.48
GELCKHM___115KV_LOAD 80723	77.41 -1.87 -4.43	73.81 -1.73 -3.50	74.20 -1.77 -2.26	74.87 -1.81 -1.37	77.95 -1.85 -2.77	94.53 -2.36 -2.60	104.04 -1.20 -5.47	109.18 -0.78 -12.07	103.70 -1.17 -7.63	89.19 -1.38 -9.41	94.05 -1.35 -5.35	84.03 -1.28 -5.47	76.45 -1.14 -6.41	75.91 -1.28 -6.12	76.80 -1.21 -6.87	84.65 -1.18 -6.91	102.56 -1.55 -7.08	105.86 -1.95 -10.37	106.22 -1.88 -8.95	103.60 -2.04 -8.31	102.12 -2.14 -7.02	98.47 -2.61 -4.34	97.00 -2.71 -2.87	96.14 -2.73 -1.51
GENERAL___MILLS 23808	77.29 -4.86 -7.31	73.41 -4.39 -5.77	73.23 -4.20 -3.72	73.27 -4.29 -2.26	77.13 -4.47 -4.56	92.07 -6.51 -4.28	102.40 -6.38 -9.02	108.83 -6.66 -17.59	100.35 -7.88 -10.99	87.98 -6.74 -13.56	91.10 -6.66 -7.71	82.21 -5.51 -7.88	75.51 -4.91 -9.24	74.70 -5.19 -8.82	75.63 -5.41 -9.90	82.64 -6.23 -9.96	99.40 -7.96 -10.32	105.62 -6.82 -15.00	105.40 -6.64 -12.90	102.39 -7.01 -12.06	100.07 -7.29 -10.12	94.87 -8.13 -6.25	93.13 -7.84 -4.14	93.60 -6.23 -2.47
GE_PLASTICS___DRP 24183	133.44 2.77 -55.83	127.28 2.67 -52.58	116.62 2.80 -40.11	114.55 2.94 -36.31	121.63 2.93 -41.67	126.25 3.58 -28.38	186.06 3.49 -82.80	218.17 3.43 -116.85	194.71 3.60 -93.87	174.08 2.92 -90.00	144.73 3.51 -51.16	135.30 3.19 -52.27	135.25 2.78 -61.30	132.33 2.70 -58.56	139.45 2.63 -65.67	147.96 2.92 -66.12	169.14 3.59 -68.51	205.49 3.70 -104.35	203.65 3.87 -100.63	187.87 3.70 -86.83	168.14 3.70 -67.20	141.86 3.58 -41.53	128.18 3.87 -27.47	129.29 3.70 -28.23
GILBOA___1 23756	117.03 2.47 -39.72	107.22 2.37 -32.82	98.42 2.51 -22.21	93.38 2.56 -15.51	105.59 2.62 -25.93	119.95 3.11 -22.55	154.53 3.39 -51.37	194.00 3.23 -92.88	162.24 3.50 -61.50	155.62 2.92 -71.54	134.06 3.33 -40.67	124.35 2.96 -41.55	122.54 2.64 -48.73	120.25 2.63 -46.55	125.98 2.63 -52.20	134.40 2.92 -52.56	154.89 3.39 -54.46	178.68 3.31 -77.93	173.09 3.37 -70.56	162.67 3.41 -61.93	154.03 3.40 -53.39	133.22 3.48 -32.99	122.14 3.48 -21.82	115.64 3.21 -15.07
GILBOA___2 23757	117.03 2.47 -39.72	107.22 2.37 -32.82	98.42 2.51 -22.21	93.38 2.56 -15.51	105.59 2.62 -25.93	119.95 3.11 -22.55	154.53 3.39 -51.37	194.00 3.23 -92.88	162.24 3.50 -61.50	155.62 2.92 -71.54	134.06 3.33 -40.67	124.35 2.96 -41.55	122.54 2.64 -48.73	120.25 2.63 -46.55	125.98 2.63 -52.20	134.40 2.92 -52.56	154.89 3.39 -54.46	178.68 3.31 -77.93	173.09 3.37 -70.56	162.67 3.41 -61.93	154.03 3.40 -53.39	133.22 3.48 -32.99	122.14 3.48 -21.82	115.64 3.21 -15.07



GILBOA___3 23758	117.03 2.47 -39.72	107.22 2.37 -32.82	98.42 2.51 -22.21	93.38 2.56 -15.51	105.59 2.62 -25.93	119.95 3.11 -22.55	154.53 3.39 -51.37	194.00 3.23 -92.88	162.24 3.50 -61.50	155.62 2.92 -71.54	134.06 3.33 -40.67	124.35 2.96 -41.55	122.54 2.64 -48.73	120.25 2.63 -46.55	125.98 2.63 -52.20	134.40 2.92 -52.56	154.89 3.39 -54.46	178.68 3.31 -77.93	173.09 3.37 -70.56	162.67 3.41 -61.93	154.03 3.40 -53.39	133.22 3.48 -32.99	122.14 3.48 -21.82	115.64 3.21 -15.07
GILBOA___4 23759	117.03 2.47 -39.72	107.22 2.37 -32.82	98.42 2.51 -22.21	93.38 2.56 -15.51	105.59 2.62 -25.93	119.95 3.11 -22.55	154.53 3.39 -51.37	194.00 3.23 -92.88	162.24 3.50 -61.50	155.62 2.92 -71.54	134.06 3.33 -40.67	124.35 2.96 -41.55	122.54 2.64 -48.73	120.25 2.63 -46.55	125.98 2.63 -52.20	134.40 2.92 -52.56	154.89 3.39 -54.46	178.68 3.31 -77.93	173.09 3.37 -70.56	162.67 3.41 -61.93	154.03 3.40 -53.39	133.22 3.48 -32.99	122.14 3.48 -21.82	115.64 3.21 -15.07
GILBOA___ 23599	117.04 2.47 -39.72	107.23 2.38 -32.82	98.42 2.51 -22.21	93.37 2.56 -15.51	105.59 2.62 -25.93	119.96 3.11 -22.55	154.43 3.29 -51.37	194.00 3.23 -92.88	162.14 3.40 -61.50	155.62 2.92 -71.54	134.05 3.33 -40.66	124.34 2.95 -41.55	122.54 2.63 -48.72	120.24 2.63 -46.55	125.98 2.63 -52.20	134.39 2.92 -52.56	154.89 3.40 -54.45	178.69 3.31 -77.94	173.10 3.37 -70.57	162.69 3.41 -61.94	154.04 3.40 -53.40	133.23 3.48 -33.00	122.15 3.49 -21.83	115.64 3.21 -15.07
GINNA___ 23603	75.21 -5.16 -5.53	71.64 -4.76 -4.37	71.74 -4.79 -2.82	72.19 -4.82 -1.71	75.48 -5.01 -3.45	91.30 -6.23 -3.24	101.10 -5.49 -6.82	105.03 -6.27 -13.40	98.79 -6.81 -8.36	84.98 -6.50 -10.32	89.53 -6.39 -5.86	80.17 -5.67 -5.99	72.79 -5.41 -7.03	72.52 -5.26 -6.71	73.62 -5.05 -7.53	80.74 -5.76 -7.58	97.81 -7.08 -7.85	102.05 -6.72 -11.33	102.47 -6.44 -9.77	99.81 -6.62 -9.10	98.09 -6.81 -7.66	93.84 -7.64 -4.74	92.52 -7.45 -3.13	92.23 -7.01 -1.88
GLEN PARK___ 23778	80.78 3.37 -2.56	77.01 2.95 -2.03	77.97 2.95 -1.31	79.19 3.09 -0.79	81.80 3.16 -1.60	99.85 4.05 -1.50	108.21 5.28 -3.16	110.10 6.07 -6.13	106.31 5.25 -3.82	89.53 3.66 -4.72	96.25 3.51 -2.68	85.61 3.03 -2.74	77.03 2.64 -3.21	76.69 2.55 -3.07	77.22 2.63 -3.44	85.54 3.16 -3.47	105.39 4.75 -3.59	107.57 5.36 -4.78	109.20 5.55 -4.50	105.96 5.06 -3.56	105.53 4.76 -3.53	102.89 3.97 -2.18	102.05 3.77 -1.44	101.92 3.70 -0.86
GLENDALE_27_KV_LOAD 356172	126.88 5.61 -46.42	113.26 5.33 -35.90	104.05 5.45 -24.88	99.34 5.57 -18.46	111.12 5.70 -28.38	124.74 6.79 -23.66	163.40 7.38 -56.26	203.15 7.83 -97.42	172.36 8.46 -66.66	163.26 7.06 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.77 6.48 -51.11	126.36 6.47 -48.83	132.37 6.47 -54.76	140.99 6.94 -55.13	169.71 8.73 -63.94	194.03 8.96 -87.63	185.10 9.12 -76.83	171.90 8.47 -66.10	161.69 8.46 -55.99	139.57 8.22 -34.60	127.47 7.75 -22.88	121.39 7.01 -17.02
GLENWOOD_IC_1_G5 23712	130.65 5.91 -49.89	115.70 5.69 -37.98	111.67 5.82 -32.14	115.72 5.95 -34.47	115.73 6.09 -32.60	139.68 7.45 -37.94	185.71 8.38 -77.57	213.76 8.52 -107.35	193.44 9.14 -87.06	163.61 7.47 -74.99	153.48 8.47 -54.96	151.12 7.66 -63.62	148.64 6.90 -70.55	146.95 6.89 -69.00	151.25 6.90 -73.21	158.11 7.42 -71.78	165.32 9.22 -59.06	206.47 9.45 -99.58	213.18 9.72 -104.31	186.48 9.15 -80.00	167.57 9.14 -61.19	148.50 8.80 -42.95	139.68 8.43 -34.41	139.64 7.69 -34.59
GLENWOOD_IC_2_G1 23688	130.80 6.06 -49.89	115.77 5.76 -37.98	111.75 5.90 -32.14	115.79 6.03 -34.47	115.80 6.17 -32.60	139.77 7.55 -37.94	185.91 8.58 -77.57	213.87 8.62 -107.35	193.52 9.24 -87.04	163.58 7.46 -74.96	153.46 8.46 -54.95	151.11 7.67 -63.60	148.61 6.90 -70.53	147.01 6.97 -68.98	151.23 6.90 -73.19	158.17 7.50 -71.76	165.42 9.32 -59.06	206.60 9.55 -99.60	213.20 9.72 -104.33	186.60 9.25 -80.01	167.58 9.14 -61.20	148.41 8.71 -42.96	139.87 8.62 -34.42	139.74 7.79 -34.59
GLENWOOD_IC_3_G1 23689	130.80 6.06 -49.89	115.77 5.76 -37.98	111.75 5.90 -32.14	115.79 6.03 -34.47	115.80 6.17 -32.60	139.77 7.55 -37.94	185.91 8.58 -77.57	213.87 8.62 -107.35	193.52 9.24 -87.04	163.58 7.46 -74.96	153.46 8.46 -54.95	151.11 7.67 -63.60	148.61 6.90 -70.53	147.01 6.97 -68.98	151.23 6.90 -73.19	158.17 7.50 -71.76	165.42 9.32 -59.06	206.60 9.55 -99.60	213.20 9.72 -104.33	186.60 9.25 -80.01	167.58 9.14 -61.20	148.41 8.71 -42.96	139.87 8.62 -34.42	139.74 7.79 -34.59
GLENWOOD___4 23550	130.80 6.06 -49.89	115.77 5.76 -37.98	111.75 5.90 -32.14	115.79 6.02 -34.47	115.80 6.16 -32.60	139.77 7.54 -37.94	185.81 8.48 -77.57	213.96 8.71 -107.35	193.54 9.24 -87.06	163.69 7.55 -74.99	153.57 8.56 -54.96	151.20 7.74 -63.62	148.78 7.05 -70.55	147.03 6.96 -69.00	151.33 6.97 -73.21	158.19 7.50 -71.78	165.51 9.41 -59.06	206.67 9.65 -99.58	213.28 9.82 -104.31	186.58 9.25 -80.00	167.67 9.24 -61.19	148.59 8.90 -42.95	139.77 8.52 -34.41	139.73 7.79 -34.59
GLENWOOD___5 23614	130.80 6.06 -49.89	115.77 5.76 -37.98	111.75 5.90 -32.14	115.79 6.02 -34.47	115.80 6.16 -32.60	139.77 7.54 -37.94	185.81 8.48 -77.57	213.96 8.71 -107.35	193.54 9.24 -87.06	163.69 7.55 -74.99	153.57 8.56 -54.96	151.20 7.74 -63.62	148.78 7.05 -70.55	147.03 6.96 -69.00	151.33 6.97 -73.21	158.19 7.50 -71.78	165.51 9.41 -59.06	206.67 9.65 -99.58	213.28 9.82 -104.31	186.58 9.25 -80.00	167.67 9.24 -61.19	148.59 8.90 -42.95	139.77 8.52 -34.41	139.73 7.79 -34.59
GLOBAL GREEN_PORT_GT1 23814	133.34 8.60 -49.89	118.36 8.35 -37.98	114.62 8.77 -32.14	119.10 9.34 -34.47	119.35 9.71 -32.60	144.30 12.07 -37.94	190.81 13.37 -77.67	219.05 13.70 -107.45	276.33 13.90 -165.18	211.06 11.45 -118.45	210.59 12.70 -107.83	200.64 10.77 -110.02	151.06 9.25 -70.63	149.17 9.03 -69.08	153.25 8.82 -73.29	249.08 9.31 -160.86	167.98 11.83 -59.10	216.69 12.08 -107.17	226.00 12.19 -114.65	189.71 12.26 -80.11	187.39 12.45 -77.70	163.03 12.48 -53.80	144.37 13.07 -34.46	144.64 12.65 -34.63
GLOBE___DSASP 323697	75.53 -6.14 -6.83	72.02 -5.40 -5.39	71.95 -5.23 -3.48	72.07 -5.35 -2.11	75.59 -5.70 -4.26	90.28 -8.01 -4.00	99.31 -8.88 -8.42	104.96 -9.40 -16.46	97.02 -10.50 -10.28	84.92 -8.93 -12.69	88.17 -9.10 -7.21	79.54 -7.66 -7.37	73.06 -6.76 -8.64	72.21 -7.11 -8.26	73.07 -7.33 -9.26	79.71 -8.52 -9.32	95.82 -10.87 -9.65	101.43 -10.04 -14.03	101.20 -10.01 -12.06	98.29 -10.32 -11.28	96.30 -10.40 -9.47	91.47 -11.13 -5.85	90.06 -10.65 -3.87	90.91 -8.76 -2.31
GOETHSLN___LBMP 323567	121.76 4.49 -42.43	112.25 4.32 -35.89	103.01 4.42 -24.88	98.28 4.52 -18.46	110.04 4.62 -28.38	123.60 5.66 -23.66	162.00 5.99 -56.25	201.64 6.36 -97.38	170.77 6.90 -66.62	162.00 5.84 -75.00	139.16 6.48 -42.62	129.29 5.91 -43.54	80.08 5.34 -3.56	76.34 5.33 0.05	75.93 5.34 0.54	65.55 5.60 18.97	49.37 7.18 54.85	51.44 7.31 53.31	59.30 7.44 47.29	51.38 6.91 52.86	49.33 6.90 54.82	71.64 6.68 31.78	76.31 6.39 26.92	116.08 5.65 -13.08
GOLAH___69_KV_TB 1_2 80279	77.90 -2.69 -5.75	74.34 -2.23 -4.54	74.50 -2.14 -2.93	74.97 -2.11 -1.78	78.39 -2.23 -3.59	94.64 -3.02 -3.37	103.66 -3.19 -7.09	108.47 -3.33 -13.90	101.65 -4.28 -8.68	87.74 -4.14 -10.72	92.19 -3.96 -6.09	82.63 -3.43 -6.22	75.35 -3.13 -7.30	74.63 -3.41 -6.97	75.62 -3.34 -7.82	82.84 -3.95 -7.87	100.34 -4.85 -8.15	105.08 -4.19 -11.83	105.58 -3.77 -10.19	102.75 -4.09 -9.50	100.86 -4.38 -8.00	96.56 -5.13 -4.94	95.17 -4.94 -3.27	95.51 -3.80 -1.95



GOODYEAR_LAKE_HYD 323669	97.09 3.14 -19.10	97.60 2.95 -22.62	96.83 3.02 -20.10	101.22 3.09 -22.83	98.27 3.24 -18.00	105.67 4.05 -7.32	140.58 4.89 -35.93	133.16 5.09 -30.18	139.67 4.96 -37.47	108.38 3.98 -23.25	107.41 4.14 -13.22	96.86 3.51 -13.50	90.29 3.27 -15.83	89.32 3.13 -15.13	91.24 3.13 -16.97	99.55 3.55 -17.08	119.39 4.66 -17.69	136.23 5.07 -33.73	139.85 5.26 -35.44	134.24 4.87 -32.04	119.36 4.76 -17.35	111.82 4.35 -10.72	108.00 4.07 -7.09	115.97 3.89 -14.71
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	88.60 -0.37 -14.12	83.88 -0.36 -12.21	82.06 -0.29 -8.64	81.73 -0.30 -6.73	86.39 -0.31 -9.66	101.47 -0.57 -7.74	118.72 -0.20 -19.16	129.90 0.10 -31.91	119.47 -0.29 -22.52	105.10 -0.65 -24.59	103.49 -0.54 -13.98	93.64 -0.48 -14.28	87.50 -0.43 -16.75	86.50 -0.57 -16.00	88.52 -0.57 -17.95	96.43 -0.55 -18.07	115.26 -0.49 -18.71	124.83 0.00 -27.39	124.59 0.20 -25.24	119.38 -0.10 -22.14	115.40 -0.19 -18.35	107.31 -0.77 -11.34	103.47 -0.87 -7.50	102.53 -0.78 -5.95
GOUDEY___7 23579	88.60 -0.37 -14.12	83.88 -0.36 -12.21	82.06 -0.29 -8.64	81.73 -0.30 -6.73	86.39 -0.31 -9.66	101.47 -0.57 -7.74	118.72 -0.20 -19.16	129.90 0.10 -31.91	119.47 -0.29 -22.52	105.10 -0.65 -24.59	103.49 -0.54 -13.98	93.64 -0.48 -14.28	87.50 -0.43 -16.75	86.50 -0.57 -16.00	88.52 -0.57 -17.95	96.43 -0.55 -18.07	115.26 -0.49 -18.71	124.83 0.00 -27.39	124.59 0.20 -25.24	119.38 -0.10 -22.14	115.40 -0.19 -18.35	107.31 -0.77 -11.34	103.47 -0.87 -7.50	102.53 -0.78 -5.95
GOUDEY___8 23580	88.60 -0.37 -14.12	83.88 -0.36 -12.21	82.06 -0.29 -8.64	81.73 -0.30 -6.73	86.39 -0.31 -9.66	101.47 -0.57 -7.74	118.72 -0.20 -19.16	129.90 0.10 -31.91	119.47 -0.29 -22.52	105.10 -0.65 -24.59	103.49 -0.54 -13.98	93.64 -0.48 -14.28	87.50 -0.43 -16.75	86.50 -0.57 -16.00	88.52 -0.57 -17.95	96.43 -0.55 -18.07	115.26 -0.49 -18.71	124.83 0.00 -27.39	124.59 0.20 -25.24	119.38 -0.10 -22.14	115.40 -0.19 -18.35	107.31 -0.77 -11.34	103.47 -0.87 -7.50	102.53 -0.78 -5.95
GOWANUS_GT1_1 24077	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT1_2 24078	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT1_3 24079	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT1_4 24080	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT1_5 24084	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT1_6 24111	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT1_7 24112	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT1_8 24113	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT2_1 24114	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT2_2 24115	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT2_3 24116	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39



GOWANUS_GT2_4 24117	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT2_5 24118	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT2_6 24119	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT2_7 24120	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT2_8 24121	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_1 24122	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_2 24123	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_3 24124	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_4 24125	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_5 24126	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_6 24127	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_7 24128	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT3_8 24129	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
GOWANUS_GT4_1 24130	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT4_2 24131	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39



GOWANUS_GT4_3 24132	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT4_4 24133	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT4_5 24134	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT4_6 24135	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT4_7 24136	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GOWANUS_GT4_8 24137	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GREENBSH_115KV_TB3 55895	135.40 2.62 -57.93	131.02 2.59 -56.39	120.66 2.80 -44.15	119.97 2.86 -41.80	124.61 2.85 -44.72	126.38 3.58 -28.50	191.89 3.19 -88.93	218.40 3.13 -117.37	200.07 3.31 -99.52	174.31 2.76 -90.40	144.86 3.42 -51.39	135.53 3.19 -52.50	135.45 2.70 -61.57	132.59 2.70 -58.82	139.60 2.49 -65.97	148.09 2.76 -66.42	169.25 3.40 -68.81	207.75 3.51 -106.80	207.54 3.57 -104.82	190.88 3.50 -90.04	168.14 3.40 -67.50	141.84 3.39 -41.71	128.21 3.78 -27.59	132.45 3.80 -31.29
GREENDGE_115KV_TB5 80291	82.99 -0.90 -9.05	79.09 -0.72 -7.77	78.52 -0.66 -5.47	78.91 -0.60 -4.21	82.57 -0.62 -6.15	96.73 -2.55 -4.98	110.77 -1.20 -12.20	117.47 -1.08 -20.65	109.18 -2.53 -14.47	94.17 -2.92 -15.93	97.04 -2.07 -9.06	87.10 -2.00 -9.25	80.68 -1.35 -10.85	79.94 -1.49 -10.37	81.27 -1.49 -11.63	88.73 -1.89 -11.71	106.24 -2.91 -12.11	113.15 -1.95 -17.66	113.73 -1.69 -16.27	109.42 -2.14 -14.22	106.80 -2.33 -11.89	100.71 -3.39 -7.35	98.12 -3.58 -4.86	98.41 -2.73 -3.78
GREENIDGE___3 23582	82.99 -0.90 -9.05	79.09 -0.72 -7.77	78.52 -0.66 -5.47	78.91 -0.60 -4.21	82.57 -0.62 -6.15	96.73 -2.55 -4.98	110.77 -1.20 -12.20	117.47 -1.08 -20.65	109.18 -2.53 -14.47	94.17 -2.92 -15.93	97.04 -2.07 -9.06	87.10 -2.00 -9.25	80.68 -1.35 -10.85	79.94 -1.49 -10.37	81.27 -1.49 -11.63	88.73 -1.89 -11.71	106.24 -2.91 -12.11	113.15 -1.95 -17.66	113.73 -1.69 -16.27	109.42 -2.14 -14.22	106.80 -2.33 -11.89	100.71 -3.39 -7.35	98.12 -3.58 -4.86	98.41 -2.73 -3.78
GREENIDGE___4 23583	83.00 -0.89 -9.05	79.09 -0.72 -7.77	78.52 -0.66 -5.47	78.90 -0.61 -4.21	82.57 -0.62 -6.15	96.73 -2.54 -4.98	111.47 -0.50 -12.20	117.51 -1.07 -20.69	109.37 -2.33 -14.47	94.17 -2.92 -15.93	97.05 -2.07 -9.06	87.10 -1.99 -9.25	80.40 -1.63 -10.85	79.94 -1.50 -10.37	81.27 -1.50 -11.63	88.73 -1.89 -11.71	106.26 -2.91 -12.13	113.07 -1.95 -17.58	113.66 -1.69 -16.20	109.35 -2.14 -14.16	106.74 -2.33 -11.84	100.67 -3.39 -7.31	98.29 -3.39 -4.84	98.41 -2.73 -3.78
GREENLWN_69_KV_BK 3 55738	130.65 5.91 -49.89	115.70 5.69 -37.98	111.60 5.75 -32.14	115.72 5.95 -34.47	115.73 6.09 -32.60	139.58 7.35 -37.94	186.10 8.78 -77.56	213.55 8.32 -107.33	183.42 9.72 -76.45	157.55 7.30 -69.08	146.66 8.83 -47.78	145.38 8.22 -57.31	148.91 7.19 -70.54	146.66 6.61 -68.98	151.10 6.76 -73.20	146.49 7.89 -59.68	164.15 8.05 -59.06	206.13 10.13 -98.55	212.47 10.41 -102.91	186.66 9.34 -79.98	166.01 9.82 -58.95	147.99 9.77 -41.48	139.38 8.13 -34.40	139.53 7.59 -34.58
GREENWD_138_KV_38B11_REV_LBMP_J 345004	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39
GRISSOM___SOLAR 323813	156.31 5.69 -75.77	162.25 5.47 -84.75	152.18 5.60 -72.87	160.38 5.72 -79.36	150.36 5.93 -67.39	133.28 7.36 -31.63	242.90 8.78 -134.36	236.38 8.22 -130.26	248.07 7.98 -142.85	187.74 6.25 -100.34	153.66 6.57 -57.04	143.38 5.27 -58.27	144.43 4.91 -68.34	141.12 4.76 -65.29	149.13 4.77 -73.22	158.24 5.60 -73.72	180.69 7.28 -76.37	235.72 8.08 -130.20	246.94 8.33 -139.46	222.00 8.18 -116.49	180.10 7.98 -74.88	150.57 7.55 -46.27	134.90 7.46 -30.61	157.29 7.01 -52.92
GROVEVILLE___HYD 323602	122.28 4.94 -42.49	112.85 4.83 -35.99	103.63 4.94 -24.98	98.94 5.05 -18.59	110.66 5.16 -28.46	124.37 6.41 -23.67	163.36 7.18 -56.41	202.32 6.95 -97.47	171.44 7.39 -66.81	162.24 6.01 -75.07	139.31 6.57 -42.67	129.43 5.99 -43.60	127.65 5.34 -51.13	125.24 5.33 -48.85	131.26 5.34 -54.78	139.91 5.84 -55.16	161.66 7.47 -57.15	187.75 7.70 -82.61	182.64 7.83 -75.66	171.02 7.49 -66.19	160.64 7.39 -56.01	138.33 6.97 -34.61	126.61 6.88 -22.89	120.68 6.23 -17.09
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	78.18 -1.50 -4.83	74.41 -1.44 -3.82	74.70 -1.47 -2.46	75.37 -1.43 -1.50	78.59 -1.46 -3.01	95.14 -1.98 -2.83	104.33 -1.40 -5.96	108.99 -0.98 -12.07	103.60 -1.26 -7.63	89.11 -1.46 -9.41	93.87 -1.53 -5.35	83.87 -1.44 -5.47	76.31 -1.28 -6.41	75.84 -1.35 -6.12	76.73 -1.28 -6.87	84.49 -1.34 -6.91	102.47 -1.65 -7.08	106.35 -1.46 -10.37	106.71 -1.39 -8.95	104.09 -1.56 -8.31	102.61 -1.65 -7.02	98.86 -2.23 -4.34	97.39 -2.32 -2.87	96.66 -2.34 -1.64



HAMLTNNY_34_KV_TB 80303	78.89 -1.05 -5.09	75.05 -1.01 -4.02	75.35 -0.96 -2.59	75.90 -0.98 -1.58	79.21 -1.00 -3.18	95.96 -1.32 -2.99	105.25 -0.80 -6.29	110.02 -0.39 -12.51	104.26 -0.88 -7.89	89.77 -1.14 -9.74	94.51 -1.08 -5.54	84.46 -1.04 -5.66	76.89 -0.93 -6.64	76.34 -1.07 -6.34	77.25 -1.00 -7.11	85.13 -0.95 -7.16	103.21 -1.16 -7.34	107.30 -0.88 -10.74	107.72 -0.69 -9.26	105.07 -0.88 -8.61	103.54 -0.97 -7.27	99.59 -1.64 -4.49	98.07 -1.74 -2.97	97.34 -1.75 -1.73
HAMPSHIRE___PAPER_HYD 323593	77.79 1.64 -1.30	74.43 1.37 -1.03	75.70 1.33 -0.66	77.13 1.43 -0.40	79.31 1.46 -0.81	96.84 1.79 -0.76	102.37 1.00 -1.61	102.98 1.96 -3.13	100.37 1.17 -1.95	84.55 0.98 -2.41	92.42 0.99 -1.37	82.36 1.12 -1.40	73.89 1.07 -1.64	73.55 0.92 -1.57	73.82 0.92 -1.76	81.40 0.71 -1.77	99.75 0.87 -1.84	100.27 0.49 -2.34	101.65 0.30 -2.20	99.38 0.29 -1.75	99.26 0.29 -1.73	98.40 0.58 -1.07	98.51 0.97 -0.71	98.85 1.07 -0.42
HARDSCRABBLE_WT_PWR 323673	78.74 3.89 0.00	75.78 3.74 0.00	77.39 3.68 0.00	79.07 3.76 0.00	80.96 3.93 0.00	99.66 5.37 0.00	106.35 6.58 0.00	104.36 6.46 0.00	103.66 6.42 0.00	86.43 5.27 0.00	95.83 5.77 0.00	84.63 4.79 0.00	75.38 4.20 0.00	75.11 4.05 0.00	75.05 3.91 0.00	83.33 4.42 0.00	102.96 5.92 0.00	103.68 6.24 0.00	105.50 6.35 0.00	103.57 6.23 0.00	103.66 6.42 0.00	103.41 6.67 0.00	103.72 6.88 0.00	104.46 7.10 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	117.54 3.82 -38.88	108.52 3.67 -32.81	100.16 3.76 -22.69	95.89 3.84 -16.74	106.91 3.93 -25.94	120.91 4.90 -21.72	156.67 5.49 -51.42	192.70 5.38 -89.42	164.06 5.83 -60.99	154.82 4.79 -68.88	134.52 5.31 -39.15	124.63 4.79 -40.00	122.43 4.34 -46.91	120.15 4.26 -44.82	125.74 4.34 -50.26	134.18 4.66 -50.60	155.49 6.02 -52.43	179.29 6.24 -75.61	174.62 6.35 -69.13	163.89 6.03 -60.52	154.51 5.93 -51.34	134.08 5.61 -31.73	123.25 5.42 -20.98	117.74 4.87 -15.51
HARSNRAD_115KV_TB1 81005	75.51 -6.06 -6.73	71.87 -5.47 -5.32	71.83 -5.31 -3.43	71.97 -5.42 -2.08	75.53 -5.70 -4.20	90.22 -8.01 -3.94	99.69 -8.38 -8.30	105.41 -8.71 -16.23	97.36 -10.02 -10.14	85.15 -8.52 -12.51	88.52 -8.65 -7.11	79.84 -7.27 -7.27	73.30 -6.41 -8.52	72.52 -6.68 -8.14	73.37 -6.90 -9.13	80.06 -8.05 -9.19	96.37 -10.19 -9.52	102.01 -9.26 -13.83	101.83 -9.22 -11.90	98.91 -9.54 -11.12	96.85 -9.72 -9.34	92.07 -10.45 -5.77	90.58 -10.07 -3.82	91.27 -8.37 -2.28
HARZA MOOSE___RIVER 24016	79.18 2.77 -1.56	75.79 2.52 -1.23	77.08 2.58 -0.80	78.42 2.64 -0.48	80.78 2.77 -0.97	98.69 3.49 -0.91	105.98 4.29 -1.93	106.25 4.60 -3.75	103.78 4.18 -2.36	87.23 3.17 -2.91	94.95 3.24 -1.65	84.32 2.79 -1.69	75.65 2.49 -1.98	75.37 2.42 -1.89	75.68 2.42 -2.12	83.81 2.76 -2.14	103.03 3.78 -2.20	104.47 4.09 -2.94	105.98 4.07 -2.77	103.33 3.80 -2.19	103.11 3.70 -2.17	101.37 3.29 -1.34	101.02 3.29 -0.89	101.10 3.21 -0.53
HDSNBRDG_115KV_BRDG_TB1 355580	77.57 -1.72 -4.45	73.89 -1.66 -3.51	74.35 -1.62 -2.27	75.02 -1.66 -1.38	78.12 -1.69 -2.77	94.73 -2.17 -2.61	103.45 -1.80 -5.49	107.13 -1.47 -10.71	102.25 -1.75 -6.76	87.71 -1.79 -8.34	92.90 -1.89 -4.74	83.01 -1.68 -4.84	75.36 -1.49 -5.68	74.85 -1.63 -5.43	75.66 -1.57 -6.08	83.38 -1.66 -6.13	101.18 -2.13 -6.28	104.11 -1.75 -8.43	105.39 -1.69 -7.93	101.77 -1.85 -6.29	101.52 -1.94 -6.22	98.07 -2.52 -3.85	96.87 -2.52 -2.54	96.34 -2.53 -1.51
HELLGATE_13_KV_LD 55870	126.58 5.31 -46.42	113.04 5.11 -35.90	103.83 5.23 -24.88	99.11 5.35 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	162.90 6.88 -56.26	202.66 7.34 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	132.02 6.12 -54.76	140.52 6.47 -55.13	169.12 8.15 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.10 7.88 -55.99	139.08 7.74 -34.60	127.08 7.36 -22.88	121.00 6.62 -17.02
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	126.58 5.31 -46.42	113.04 5.11 -35.90	103.83 5.23 -24.88	99.11 5.35 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	162.90 6.88 -56.26	202.66 7.34 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.13 6.71 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	132.02 6.12 -54.76	140.52 6.47 -55.13	169.12 8.15 -63.93	193.44 8.38 -87.62	184.51 8.53 -76.83	171.42 7.98 -66.10	161.10 7.88 -55.99	139.08 7.74 -34.60	127.08 7.36 -22.88	121.00 6.62 -17.02
HEMPSTEAD____ 23647	130.43 5.69 -49.89	115.41 5.41 -37.98	111.38 5.53 -32.14	115.42 5.65 -34.47	115.42 5.78 -32.60	139.30 7.08 -37.94	185.32 7.98 -77.57	213.37 8.12 -107.35	192.93 8.65 -87.04	163.10 6.98 -74.96	153.01 8.01 -54.95	150.70 7.26 -63.60	148.26 6.54 -70.53	146.65 6.61 -68.98	150.87 6.54 -73.19	157.69 7.02 -71.76	164.84 8.74 -59.06	206.00 8.96 -99.60	212.60 9.12 -104.33	185.92 8.57 -80.01	167.00 8.56 -61.20	147.92 8.22 -42.96	139.39 8.14 -34.42	139.34 7.40 -34.59
HEWLETT_69_KV_BK3 55828	131.03 6.29 -49.89	116.06 6.05 -37.98	112.04 6.19 -32.14	116.02 6.25 -34.47	116.03 6.39 -32.60	139.77 7.54 -37.94	185.81 8.48 -77.57	213.86 8.61 -107.35	193.44 9.14 -87.06	163.61 7.47 -74.99	153.48 8.47 -54.96	151.12 7.66 -63.62	148.64 6.90 -70.55	146.95 6.89 -69.00	151.25 6.90 -73.21	158.11 7.42 -71.78	165.51 9.41 -59.06	206.57 9.55 -99.58	213.28 9.82 -104.31	186.58 9.25 -80.00	167.76 9.34 -61.19	148.59 8.90 -42.95	140.06 8.81 -34.41	140.02 8.08 -34.59
HICKLING___1 23621	84.56 -1.57 -11.28	80.29 -1.44 -9.70	79.28 -1.25 -6.82	79.27 -1.28 -5.25	83.40 -1.31 -7.67	98.24 -2.26 -6.21	113.28 -1.70 -15.22	122.20 -1.37 -25.67	112.88 -2.33 -17.97	98.43 -2.52 -19.79	98.87 -2.43 -11.25	89.18 -2.16 -11.49	82.74 -1.92 -13.48	81.88 -2.06 -12.88	83.45 -2.13 -14.44	91.17 -2.29 -14.54	109.67 -2.43 -15.05	117.83 -1.56 -21.95	117.97 -1.39 -20.21	113.28 -1.75 -17.69	110.06 -1.94 -14.77	102.97 -2.90 -9.13	99.97 -2.91 -6.04	99.53 -2.53 -4.70
HICKLING___2 23622	84.56 -1.57 -11.28	80.29 -1.44 -9.70	79.28 -1.25 -6.82	79.27 -1.28 -5.25	83.40 -1.31 -7.67	98.24 -2.26 -6.21	113.28 -1.70 -15.22	122.20 -1.37 -25.67	112.88 -2.33 -17.97	98.43 -2.52 -19.79	98.87 -2.43 -11.25	89.18 -2.16 -11.49	82.74 -1.92 -13.48	81.88 -2.06 -12.88	83.45 -2.13 -14.44	91.17 -2.29 -14.54	109.67 -2.43 -15.05	117.83 -1.56 -21.95	117.97 -1.39 -20.21	113.28 -1.75 -17.69	110.06 -1.94 -14.77	102.97 -2.90 -9.13	99.97 -2.91 -6.04	99.53 -2.53 -4.70
HIGH FALLS___HY 23754	121.63 4.57 -42.22	112.82 4.39 -36.40	103.90 4.50 -25.70	99.80 4.59 -19.90	110.60 4.78 -28.79	123.51 6.03 -23.19	163.74 6.88 -57.09	199.94 6.56 -95.49	171.74 7.39 -67.11	160.71 6.01 -73.55	138.17 6.30 -41.81	128.22 5.67 -42.71	126.40 5.13 -50.09	124.04 5.12 -47.86	130.00 5.19 -53.67	138.63 5.68 -54.04	160.01 6.99 -55.99	187.22 7.31 -82.47	182.85 7.54 -76.16	170.86 7.11 -66.42	159.88 7.10 -55.54	137.65 6.58 -34.33	125.74 6.20 -22.70	120.68 5.65 -17.68
HIGH_RIVER___SOLAR 323847	154.13 4.04 -75.25	161.65 3.89 -85.73	152.23 3.98 -74.54	161.72 4.06 -82.35	149.39 4.16 -68.19	129.98 5.09 -30.60	241.66 5.88 -136.01	229.39 5.48 -126.02	246.37 5.44 -143.68	182.53 4.30 -97.07	149.91 4.68 -55.18	139.97 3.75 -56.37	140.85 3.56 -66.11	137.71 3.48 -63.16	145.46 3.49 -70.83	154.26 4.02 -71.32	176.16 5.24 -73.88	231.49 5.65 -128.40	243.84 5.85 -138.84	219.14 5.64 -116.16	175.22 5.54 -72.44	146.93 5.41 -44.77	131.77 5.32 -29.61	156.69 5.06 -54.28



HILLBURN___GT 23639	118.14 3.74 -39.55	109.03 3.60 -33.39	100.50 3.68 -23.10	96.13 3.76 -17.06	107.29 3.85 -26.40	121.09 4.71 -22.09	157.58 5.48 -52.33	194.23 5.38 -90.95	165.17 5.93 -61.99	156.00 4.87 -69.97	135.24 5.40 -39.78	125.35 4.87 -40.64	123.18 4.34 -47.66	121.01 4.41 -45.53	126.62 4.41 -51.06	135.06 4.73 -51.41	156.39 6.02 -53.33	180.69 6.24 -77.01	175.82 6.25 -70.41	164.91 5.94 -61.63	155.46 5.93 -52.28	134.57 5.51 -32.31	123.73 5.52 -21.37	117.92 4.77 -15.79
HILLSIDE_115KV_TB1 80332	83.97 -2.54 -11.67	79.75 -2.31 -10.03	78.56 -2.21 -7.06	78.47 -2.26 -5.43	82.66 -2.31 -7.93	97.32 -3.39 -6.42	112.40 -3.09 -15.73	121.68 -2.74 -26.53	112.32 -3.50 -18.58	98.20 -3.41 -20.45	98.26 -3.42 -11.62	88.76 -2.95 -11.88	82.47 -2.63 -13.93	81.60 -2.77 -13.31	83.22 -2.85 -14.92	90.78 -3.16 -15.02	109.00 -3.59 -15.55	117.30 -2.83 -22.69	117.26 -2.78 -20.88	112.61 -3.02 -18.29	109.29 -3.21 -15.26	102.21 -3.97 -9.43	99.01 -4.07 -6.24	98.42 -3.80 -4.86
HISHELDN_WT_PWR 323625	78.55 -4.57 -8.27	75.02 -4.10 -7.09	74.78 -3.91 -4.98	75.13 -3.99 -3.82	78.48 -4.16 -5.61	92.81 -6.04 -4.56	106.30 -4.59 -11.12	110.64 -6.07 -18.81	103.36 -7.00 -13.12	89.08 -6.57 -14.49	91.63 -6.66 -8.24	82.66 -5.59 -8.41	75.64 -5.41 -9.87	75.37 -5.12 -9.43	76.38 -5.34 -10.57	83.48 -6.07 -10.64	100.69 -7.38 -11.03	107.30 -6.14 -16.00	107.94 -5.95 -14.73	103.88 -6.33 -12.87	101.41 -6.62 -10.79	95.96 -7.45 -6.67	94.38 -6.87 -4.41	94.94 -5.84 -3.42
HOLTSVILLE_IC_1 23690	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	117.00 7.23 -34.47	117.04 7.40 -32.60	141.47 9.25 -37.94	187.31 9.88 -77.67	215.23 9.88 -107.45	272.72 10.02 -165.46	207.88 8.12 -118.61	207.16 9.09 -108.01	198.09 8.06 -110.19	149.08 7.26 -70.63	147.60 7.46 -69.08	151.90 7.47 -73.29	248.05 7.97 -161.17	166.43 10.28 -59.10	214.86 10.23 -107.19	224.15 10.31 -114.69	187.48 10.03 -80.11	184.82 9.82 -77.76	160.16 9.58 -53.84	141.28 9.98 -34.46	141.24 9.25 -34.63
HOLTSVILLE_IC_10 23699	132.45 7.71 -49.89	117.28 7.27 -37.98	113.29 7.44 -32.14	117.45 7.68 -34.47	117.58 7.94 -32.60	142.03 9.81 -37.94	187.90 10.47 -77.67	215.83 10.48 -107.45	270.43 10.60 -162.59	206.77 8.60 -117.01	205.77 9.64 -106.07	196.95 8.63 -108.48	149.57 7.76 -70.63	148.10 7.96 -69.08	152.40 7.97 -73.29	245.34 8.53 -157.90	167.20 11.06 -59.10	215.36 11.01 -106.92	224.57 11.10 -114.31	188.25 10.80 -80.11	185.00 10.60 -77.15	160.34 10.16 -53.44	141.95 10.65 -34.46	141.81 9.83 -34.63
HOLTSVILLE_IC_2 23691	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	117.00 7.23 -34.47	117.04 7.40 -32.60	141.47 9.25 -37.94	187.31 9.88 -77.67	215.23 9.88 -107.45	272.72 10.02 -165.46	207.88 8.12 -118.61	207.16 9.09 -108.01	198.09 8.06 -110.19	149.08 7.26 -70.63	147.60 7.46 -69.08	151.90 7.47 -73.29	248.05 7.97 -161.17	166.43 10.28 -59.10	214.86 10.23 -107.19	224.15 10.31 -114.69	187.48 10.03 -80.11	184.82 9.82 -77.76	160.16 9.58 -53.84	141.28 9.98 -34.46	141.24 9.25 -34.63
HOLTSVILLE_IC_3 23692	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	117.00 7.23 -34.47	117.04 7.40 -32.60	141.47 9.25 -37.94	187.31 9.88 -77.67	215.23 9.88 -107.45	272.72 10.02 -165.46	207.88 8.12 -118.61	207.16 9.09 -108.01	198.09 8.06 -110.19	149.08 7.26 -70.63	147.60 7.46 -69.08	151.90 7.47 -73.29	248.05 7.97 -161.17	166.43 10.28 -59.10	214.86 10.23 -107.19	224.15 10.31 -114.69	187.48 10.03 -80.11	184.82 9.82 -77.76	160.16 9.58 -53.84	141.28 9.98 -34.46	141.24 9.25 -34.63
HOLTSVILLE_IC_4 23693	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	117.00 7.23 -34.47	117.04 7.40 -32.60	141.47 9.25 -37.94	187.31 9.88 -77.67	215.23 9.88 -107.45	272.72 10.02 -165.46	207.88 8.12 -118.61	207.16 9.09 -108.01	198.09 8.06 -110.19	149.08 7.26 -70.63	147.60 7.46 -69.08	151.90 7.47 -73.29	248.05 7.97 -161.17	166.43 10.28 -59.10	214.86 10.23 -107.19	224.15 10.31 -114.69	187.48 10.03 -80.11	184.82 9.82 -77.76	160.16 9.58 -53.84	141.28 9.98 -34.46	141.24 9.25 -34.63
HOLTSVILLE_IC_5 23694	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	117.00 7.23 -34.47	117.04 7.40 -32.60	141.47 9.25 -37.94	187.31 9.88 -77.67	215.23 9.88 -107.45	272.72 10.02 -165.46	207.88 8.12 -118.61	207.16 9.09 -108.01	198.09 8.06 -110.19	149.08 7.26 -70.63	147.60 7.46 -69.08	151.90 7.47 -73.29	248.05 7.97 -161.17	166.43 10.28 -59.10	214.86 10.23 -107.19	224.15 10.31 -114.69	187.48 10.03 -80.11	184.82 9.82 -77.76	160.16 9.58 -53.84	141.28 9.98 -34.46	141.24 9.25 -34.63
HOLTSVILLE_IC_6 23695	132.45 7.71 -49.89	117.28 7.27 -37.98	113.29 7.44 -32.14	117.45 7.68 -34.47	117.58 7.94 -32.60	142.03 9.81 -37.94	187.90 10.47 -77.67	215.83 10.48 -107.45	270.43 10.60 -162.59	206.77 8.60 -117.01	205.77 9.64 -106.07	196.95 8.63 -108.48	149.57 7.76 -70.63	148.10 7.96 -69.08	152.40 7.97 -73.29	245.34 8.53 -157.90	167.20 11.06 -59.10	215.36 11.01 -106.92	224.57 11.10 -114.31	188.25 10.80 -80.11	185.00 10.60 -77.15	160.34 10.16 -53.44	141.95 10.65 -34.46	141.81 9.83 -34.63
HOLTSVILLE_IC_7 23696	132.45 7.71 -49.89	117.28 7.27 -37.98	113.29 7.44 -32.14	117.45 7.68 -34.47	117.58 7.94 -32.60	142.03 9.81 -37.94	187.90 10.47 -77.67	215.83 10.48 -107.45	270.43 10.60 -162.59	206.77 8.60 -117.01	205.77 9.64 -106.07	196.95 8.63 -108.48	149.57 7.76 -70.63	148.10 7.96 -69.08	152.40 7.97 -73.29	245.34 8.53 -157.90	167.20 11.06 -59.10	215.36 11.01 -106.92	224.57 11.10 -114.31	188.25 10.80 -80.11	185.00 10.60 -77.15	160.34 10.16 -53.44	141.95 10.65 -34.46	141.81 9.83 -34.63
HOLTSVILLE_IC_8 23697	132.45 7.71 -49.89	117.28 7.27 -37.98	113.29 7.44 -32.14	117.45 7.68 -34.47	117.58 7.94 -32.60	142.03 9.81 -37.94	187.90 10.47 -77.67	215.83 10.48 -107.45	270.43 10.60 -162.59	206.77 8.60 -117.01	205.77 9.64 -106.07	196.95 8.63 -108.48	149.57 7.76 -70.63	148.10 7.96 -69.08	152.40 7.97 -73.29	245.34 8.53 -157.90	167.20 11.06 -59.10	215.36 11.01 -106.92	224.57 11.10 -114.31	188.25 10.80 -80.11	185.00 10.60 -77.15	160.34 10.16 -53.44	141.95 10.65 -34.46	141.81 9.83 -34.63
HOLTSVILLE_IC_9 23698	132.45 7.71 -49.89	117.28 7.27 -37.98	113.29 7.44 -32.14	117.45 7.68 -34.47	117.58 7.94 -32.60	142.03 9.81 -37.94	187.90 10.47 -77.67	215.83 10.48 -107.45	270.43 10.60 -162.59	206.77 8.60 -117.01	205.77 9.64 -106.07	196.95 8.63 -108.48	149.57 7.76 -70.63	148.10 7.96 -69.08	152.40 7.97 -73.29	245.34 8.53 -157.90	167.20 11.06 -59.10	215.36 11.01 -106.92	224.57 11.10 -114.31	188.25 10.80 -80.11	185.00 10.60 -77.15	160.34 10.16 -53.44	141.95 10.65 -34.46	141.81 9.83 -34.63
HOMER_HL_115KV_TB2 355744	76.53 -6.96 -8.65	72.97 -6.48 -7.42	72.58 -6.34 -5.21	72.82 -6.48 -3.99	76.28 -6.63 -5.87	89.91 -9.15 -4.77	102.49 -8.88 -11.60	108.81 -8.42 -19.34	101.40 -9.34 -13.50	88.03 -8.03 -14.90	90.15 -8.38 -8.47	81.39 -7.11 -8.66	75.00 -6.34 -10.15	74.22 -6.54 -9.70	75.33 -6.69 -10.88	82.29 -7.58 -10.95	99.16 -9.22 -11.34	105.75 -8.19 -16.50	106.11 -8.23 -15.19	102.14 -8.47 -13.27	99.61 -8.75 -11.12	94.04 -9.58 -6.87	91.90 -9.49 -4.55	92.21 -8.66 -3.52
HOWARD_WT_PWR 323690	82.52 -1.87 -9.54	78.57 -1.65 -8.19	78.07 -1.40 -5.76	78.38 -1.35 -4.43	82.21 -1.31 -6.48	97.19 -2.35 -5.26	112.46 -0.20 -12.90	118.97 -1.07 -22.15	110.40 -2.33 -15.49	95.05 -3.17 -17.06	96.69 -3.06 -9.70	86.95 -2.80 -9.91	79.95 -2.85 -11.62	79.54 -2.63 -11.10	80.89 -2.70 -12.45	88.68 -2.76 -12.53	107.31 -2.72 -12.99	115.23 -1.07 -18.86	115.63 -0.89 -17.37	111.17 -1.36 -15.19	108.28 -1.65 -12.69	101.78 -2.81 -7.85	99.32 -2.71 -5.19	99.17 -2.24 -4.05



HQ_GEN_CEDARS 23644	74.85 0.00 0.00	71.96 -0.07 0.00	73.56 -0.15 0.00	75.15 -0.15 0.00	76.88 -0.15 0.00	94.01 -0.28 0.00	99.06 -0.70 0.00	96.92 -0.98 0.00	95.88 -1.36 0.00	80.35 -0.81 0.00	89.07 -0.99 0.00	79.12 -0.72 0.00	70.54 -0.64 0.00	70.57 -0.50 0.00	70.57 -0.57 0.00	78.05 -0.87 0.00	95.68 -1.36 0.00	95.59 -1.85 0.00	96.97 -2.18 0.00	95.58 -1.75 0.00	95.59 -1.65 0.00	95.87 -0.87 0.00	96.36 -0.48 0.00	96.97 -0.39 0.00
HQ_GEN_CEDARS_PROXY 323590	74.85 0.00 0.00	71.96 -0.07 0.00	73.56 -0.15 0.00	75.15 -0.15 0.00	76.88 -0.15 0.00	94.01 -0.28 0.00	96.97 -2.79 0.00	96.92 -0.98 0.00	95.78 -1.46 0.00	80.35 -0.81 0.00	89.07 -0.99 0.00	79.12 -0.72 0.00	70.69 -0.49 0.00	70.49 -0.57 0.00	70.57 -0.57 0.00	78.05 -0.87 0.00	95.68 -1.36 0.00	95.59 -1.85 0.00	96.97 -2.18 0.00	95.59 -1.75 0.00	95.59 -1.65 0.00	95.97 -0.78 0.00	96.17 -0.67 0.00	96.97 -0.39 0.00
HQ_GEN_IMPORT 323601	73.95 -0.89 0.00	71.09 -0.94 0.00	72.75 -0.96 0.00	74.25 -1.05 0.00	75.96 -1.08 0.00	93.06 -1.23 0.00	97.66 -2.10 0.00	96.14 -1.76 0.00	95.39 -1.85 0.00	79.94 -1.22 0.00	88.61 -1.44 0.00	78.56 -1.28 0.00	70.12 -1.07 0.00	70.00 -1.06 0.00	70.00 -1.14 0.00	77.65 -1.27 0.00	95.39 -1.65 0.00	95.39 -2.05 0.00	96.97 -2.18 0.00	95.39 -1.95 0.00	95.39 -1.85 0.00	95.39 -1.35 0.00	95.39 -1.45 0.00	96.29 -1.07 0.00
HQ_GEN_WHEEL 23651	73.95 -0.89 0.00	71.09 -0.94 0.00	72.75 -0.96 0.00	74.25 -1.05 0.00	75.96 -1.08 0.00	93.06 -1.23 0.00	97.66 -2.10 0.00	96.14 -1.76 0.00	95.39 -1.85 0.00	79.94 -1.22 0.00	88.61 -1.44 0.00	78.56 -1.28 0.00	70.12 -1.07 0.00	70.00 -1.06 0.00	70.00 -1.14 0.00	77.65 -1.27 0.00	95.39 -1.65 0.00	95.39 -2.05 0.00	96.97 -2.18 0.00	95.39 -1.95 0.00	95.39 -1.85 0.00	95.39 -1.35 0.00	95.39 -1.45 0.00	96.29 -1.07 0.00
HUDSON AVE_GT_3 23810	122.29 5.01 -42.43	112.68 4.75 -35.89	103.45 4.86 -24.88	98.73 4.97 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	162.80 6.78 -56.25	202.36 7.05 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.78 5.90 -48.82	131.80 5.90 -54.75	140.35 6.31 -55.13	162.11 7.96 -57.11	188.05 8.09 -82.52	182.91 8.23 -75.53	171.12 7.69 -66.09	160.90 7.68 -55.98	138.79 7.45 -34.60	126.89 7.17 -22.88	120.70 6.33 -17.02
HUDSON AVE_GT_4 23540	122.29 5.01 -42.43	112.68 4.75 -35.89	103.45 4.86 -24.88	98.73 4.97 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	162.80 6.78 -56.25	202.36 7.05 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.78 5.90 -48.82	131.80 5.90 -54.75	140.35 6.31 -55.13	162.11 7.96 -57.11	188.05 8.09 -82.52	182.91 8.23 -75.53	171.12 7.69 -66.09	160.90 7.68 -55.98	138.79 7.45 -34.60	126.89 7.17 -22.88	120.70 6.33 -17.02
HUDSON AVE_GT_5 23657	122.29 5.01 -42.43	112.68 4.75 -35.89	103.45 4.86 -24.88	98.73 4.97 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	162.80 6.78 -56.25	202.36 7.05 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.78 5.90 -48.82	131.80 5.90 -54.75	140.35 6.31 -55.13	162.11 7.96 -57.11	188.05 8.09 -82.52	182.91 8.23 -75.53	171.12 7.69 -66.09	160.90 7.68 -55.98	138.79 7.45 -34.60	126.89 7.17 -22.88	120.70 6.33 -17.02
HUDSON_AVE_10 24168	122.14 4.86 -42.43	112.53 4.61 -35.89	103.31 4.72 -24.88	98.51 4.74 -18.46	110.35 4.93 -28.38	123.98 6.03 -23.66	162.70 6.68 -56.25	202.26 6.95 -97.41	171.48 7.58 -66.65	162.60 6.41 -75.03	139.73 7.02 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.71 5.83 -48.82	131.73 5.83 -54.75	140.27 6.23 -55.13	162.01 7.86 -57.11	187.95 7.99 -82.52	182.81 8.13 -75.53	171.02 7.59 -66.09	160.90 7.68 -55.98	138.69 7.35 -34.60	126.79 7.07 -22.88	120.61 6.23 -17.02
HUDSON___115KV_TB 4 355613	134.27 4.19 -55.23	128.78 4.18 -52.56	118.57 4.42 -40.43	116.98 4.52 -37.16	123.25 4.55 -41.67	127.83 5.75 -27.79	187.97 5.39 -82.82	217.33 4.99 -114.44	195.70 4.96 -93.50	173.20 3.90 -88.14	144.58 4.41 -50.11	134.95 3.91 -51.19	134.56 3.35 -60.03	131.69 3.27 -57.36	138.66 3.20 -64.32	147.47 3.79 -64.76	169.09 4.95 -67.10	205.80 5.46 -102.90	204.57 5.65 -99.77	188.75 5.45 -85.96	168.48 5.35 -65.89	142.50 5.03 -40.72	129.20 5.42 -26.93	131.63 5.74 -28.53
HUNTER MOUNT___DRP 323613	132.13 4.27 -53.02	125.88 4.25 -49.60	115.76 4.42 -37.63	113.63 4.59 -33.73	120.96 4.62 -39.30	127.35 5.94 -27.12	183.64 5.79 -78.09	214.68 5.09 -111.69	191.06 5.06 -88.77	171.08 3.90 -86.03	143.28 4.32 -48.90	133.64 3.83 -49.96	133.05 3.27 -58.59	130.24 3.20 -55.98	137.05 3.13 -62.78	145.91 3.79 -63.21	167.57 5.05 -65.49	202.57 5.55 -99.58	200.69 5.85 -95.68	185.61 5.65 -82.63	167.07 5.45 -64.38	141.66 5.13 -39.79	128.68 5.52 -26.32	129.45 5.65 -26.44
HUNTINGTON_RES_REC 323705	131.48 6.74 -49.89	116.42 6.41 -37.98	112.34 6.49 -32.14	116.47 6.70 -34.47	116.58 6.94 -32.60	140.72 8.49 -37.94	186.96 9.67 -77.53	214.51 9.31 -107.31	160.60 10.21 -53.16	145.13 7.87 -56.10	131.26 9.19 -32.02	131.77 8.46 -43.47	149.14 7.47 -70.49	147.25 7.25 -68.94	151.62 7.33 -73.15	120.32 8.28 -33.12	165.50 9.41 -59.04	204.58 10.81 -96.32	209.91 10.91 -99.85	187.43 10.12 -79.97	161.59 10.30 -54.05	144.97 9.97 -38.26	140.63 9.39 -34.40	140.59 8.66 -34.57
HUNTLEY___63 23557	76.47 -5.31 -6.93	72.83 -4.68 -5.48	72.75 -4.50 -3.53	72.78 -4.67 -2.15	76.43 -4.93 -4.33	91.28 -7.07 -4.07	100.94 -7.38 -8.56	106.88 -7.73 -16.71	98.73 -8.95 -10.44	86.41 -7.63 -12.88	89.73 -7.65 -7.32	80.94 -6.39 -7.48	74.33 -5.62 -8.77	73.55 -5.90 -8.38	74.42 -6.12 -9.40	81.20 -7.18 -9.47	97.62 -9.22 -9.80	103.60 -8.09 -14.25	103.37 -8.03 -12.25	100.42 -8.37 -11.45	98.20 -8.65 -9.61	93.30 -9.38 -5.94	91.76 -9.01 -3.93	92.50 -7.20 -2.35
HUNTLEY___64 23558	76.47 -5.31 -6.93	72.83 -4.68 -5.48	72.75 -4.50 -3.53	72.78 -4.67 -2.15	76.43 -4.93 -4.33	91.28 -7.07 -4.07	100.94 -7.38 -8.56	106.88 -7.73 -16.71	98.73 -8.95 -10.44	86.41 -7.63 -12.88	89.73 -7.65 -7.32	80.94 -6.39 -7.48	74.33 -5.62 -8.77	73.55 -5.90 -8.38	74.42 -6.12 -9.40	81.20 -7.18 -9.47	97.62 -9.22 -9.80	103.60 -8.09 -14.25	103.37 -8.03 -12.25	100.42 -8.37 -11.45	98.20 -8.65 -9.61	93.30 -9.38 -5.94	91.76 -9.01 -3.93	92.50 -7.20 -2.35
HUNTLEY___65 23559	76.47 -5.31 -6.93	72.83 -4.68 -5.48	72.75 -4.50 -3.53	72.78 -4.67 -2.15	76.43 -4.93 -4.33	91.28 -7.07 -4.07	100.94 -7.38 -8.56	106.88 -7.73 -16.71	98.73 -8.95 -10.44	86.41 -7.63 -12.88	89.73 -7.65 -7.32	80.94 -6.39 -7.48	74.33 -5.62 -8.77	73.55 -5.90 -8.38	74.42 -6.12 -9.40	81.20 -7.18 -9.47	97.62 -9.22 -9.80	103.60 -8.09 -14.25	103.37 -8.03 -12.25	100.42 -8.37 -11.45	98.20 -8.65 -9.61	93.30 -9.38 -5.94	91.76 -9.01 -3.93	92.50 -7.20 -2.35
HUNTLEY___66 23560	76.47 -5.31 -6.93	72.83 -4.68 -5.48	72.75 -4.50 -3.53	72.78 -4.67 -2.15	76.43 -4.93 -4.33	91.28 -7.07 -4.07	100.94 -7.38 -8.56	106.88 -7.73 -16.71	98.73 -8.95 -10.44	86.41 -7.63 -12.88	89.73 -7.65 -7.32	80.94 -6.39 -7.48	74.33 -5.62 -8.77	73.55 -5.90 -8.38	74.42 -6.12 -9.40	81.20 -7.18 -9.47	97.62 -9.22 -9.80	103.60 -8.09 -14.25	103.37 -8.03 -12.25	100.42 -8.37 -11.45	98.20 -8.65 -9.61	93.30 -9.38 -5.94	91.76 -9.01 -3.93	92.50 -7.20 -2.35



HUNTLEY___67 23561	76.65 -5.24 -7.05	72.92 -4.68 -5.57	72.80 -4.50 -3.59	72.82 -4.67 -2.18	76.58 -4.85 -4.40	91.44 -6.98 -4.13	101.38 -7.08 -8.70	107.44 -7.44 -16.99	99.20 -8.65 -10.61	86.87 -7.39 -13.09	90.11 -7.38 -7.44	81.30 -6.15 -7.60	74.62 -5.48 -8.92	73.83 -5.76 -8.52	74.72 -5.98 -9.55	81.59 -6.94 -9.62	98.17 -8.83 -9.96	104.03 -7.89 -14.48	103.87 -7.73 -12.45	100.90 -8.08 -11.64	98.65 -8.36 -9.77	93.69 -9.09 -6.04	92.12 -8.72 -3.99	92.74 -7.01 -2.39
HUNTLEY___68 23562	76.65 -5.24 -7.05	72.92 -4.68 -5.57	72.80 -4.50 -3.59	72.82 -4.67 -2.18	76.58 -4.85 -4.40	91.44 -6.98 -4.13	101.38 -7.08 -8.70	107.44 -7.44 -16.99	99.20 -8.65 -10.61	86.87 -7.39 -13.09	90.11 -7.38 -7.44	81.30 -6.15 -7.60	74.62 -5.48 -8.92	73.83 -5.76 -8.52	74.72 -5.98 -9.55	81.59 -6.94 -9.62	98.17 -8.83 -9.96	104.03 -7.89 -14.48	103.87 -7.73 -12.45	100.90 -8.08 -11.64	98.65 -8.36 -9.77	93.69 -9.09 -6.04	92.12 -8.72 -3.99	92.74 -7.01 -2.39
HYLAND___LFGE 323620	81.01 -1.42 -7.59	77.02 -1.01 -5.99	76.54 -1.03 -3.87	76.83 -0.83 -2.35	80.85 -0.92 -4.73	97.51 -1.23 -4.45	109.73 0.60 -9.36	116.08 -0.29 -18.48	106.92 -1.85 -11.53	91.98 -3.41 -14.23	94.63 -3.51 -8.09	84.91 -3.20 -8.26	77.46 -3.42 -9.69	77.05 -3.27 -9.26	78.68 -2.85 -10.38	86.77 -2.60 -10.45	105.74 -2.14 -10.83	112.36 -0.78 -15.70	112.25 -0.40 -13.49	109.29 -0.68 -12.63	106.85 -0.97 -10.59	100.87 -2.41 -6.54	98.84 -2.33 -4.33	97.81 -2.14 -2.59
INDECK___CORINTH 23802	153.83 6.36 -72.62	160.73 6.12 -82.58	151.69 6.26 -71.71	160.81 6.40 -79.11	149.26 6.54 -65.68	129.19 5.28 -29.62	236.85 6.09 -131.00	225.74 5.87 -121.97	241.75 6.03 -138.48	179.98 4.87 -93.95	149.05 5.59 -53.41	138.79 4.39 -54.56	139.01 3.84 -63.99	135.82 3.62 -61.14	143.26 3.56 -68.56	151.89 3.94 -69.03	173.69 5.14 -71.51	227.40 5.65 -124.31	238.76 5.65 -133.96	215.36 5.55 -112.48	172.99 5.64 -70.11	148.29 8.22 -43.33	133.63 8.14 -28.66	157.44 7.88 -52.20
INDECK___ILION 23567	80.38 5.54 0.00	77.36 5.33 0.00	78.94 5.23 0.00	80.65 5.35 0.00	82.66 5.62 0.00	101.74 7.45 0.00	108.44 8.68 0.00	106.61 8.71 0.00	105.80 8.56 0.00	88.22 7.06 0.00	97.71 7.65 0.00	86.23 6.39 0.00	76.88 5.69 0.00	76.54 5.47 0.00	76.55 5.41 0.00	84.99 6.08 0.00	105.19 8.15 0.00	106.02 8.57 0.00	107.88 8.73 0.00	105.80 8.47 0.00	105.80 8.56 0.00	105.55 8.80 0.00	105.75 8.91 0.00	106.51 9.15 0.00
INDECK___OLEAN 23982	76.53 -6.96 -8.65	72.97 -6.48 -7.42	72.58 -6.34 -5.21	72.82 -6.48 -3.99	76.28 -6.63 -5.87	90.01 -9.05 -4.77	103.58 -7.78 -11.60	108.83 -8.42 -19.35	101.69 -9.04 -13.49	88.02 -8.04 -14.90	90.15 -8.37 -8.47	81.39 -7.11 -8.65	74.64 -6.69 -10.15	74.29 -6.47 -9.70	75.32 -6.69 -10.87	82.29 -7.58 -10.95	99.16 -9.22 -11.35	105.71 -8.18 -16.46	106.08 -8.23 -15.16	102.11 -8.47 -13.24	99.59 -8.75 -11.10	94.02 -9.58 -6.86	92.08 -9.30 -4.54	92.21 -8.67 -3.52
INDECK___OSWEGO 23783	75.66 -3.00 -3.81	72.24 -2.81 -3.01	72.78 -2.88 -1.94	73.55 -2.94 -1.18	76.41 -3.01 -2.38	92.75 -3.77 -2.24	101.18 -3.29 -4.71	103.91 -3.23 -9.24	99.60 -3.41 -5.76	85.02 -3.25 -7.11	90.59 -3.51 -4.04	80.86 -3.12 -4.13	73.18 -2.85 -4.85	72.85 -2.84 -4.63	73.56 -2.78 -5.19	81.06 -3.08 -5.23	98.77 -3.69 -5.42	101.18 -3.41 -7.16	102.52 -3.37 -6.73	99.18 -3.50 -5.34	98.93 -3.60 -5.29	96.04 -3.97 -3.27	95.03 -3.97 -2.16	94.57 -4.09 -1.30
INDECK___YERKES 23781	76.47 -5.31 -6.93	72.76 -4.76 -5.48	72.67 -4.57 -3.53	72.78 -4.67 -2.15	76.43 -4.93 -4.33	91.19 -7.17 -4.07	102.44 -5.89 -8.56	106.79 -7.84 -16.73	99.12 -8.56 -10.44	86.33 -7.71 -12.88	89.72 -7.66 -7.32	80.93 -6.39 -7.48	73.69 -6.26 -8.77	73.48 -5.97 -8.38	74.35 -6.19 -9.40	81.12 -7.26 -9.46	97.63 -9.22 -9.81	103.46 -8.18 -14.21	103.24 -8.13 -12.22	100.29 -8.47 -11.42	98.18 -8.65 -9.59	93.19 -9.48 -5.93	92.04 -8.72 -3.92	92.41 -7.30 -2.35
INDIAN POINT_GT_1 24139	120.75 4.19 -41.71	111.26 3.96 -35.27	102.20 4.05 -24.44	97.55 4.14 -18.11	109.16 4.24 -27.89	122.74 5.19 -23.27	160.93 5.89 -55.28	199.68 5.97 -95.81	169.17 6.42 -65.51	160.31 5.36 -73.80	137.86 5.85 -41.95	128.05 5.35 -42.86	126.28 4.84 -50.26	123.92 4.83 -48.02	129.83 4.84 -53.85	138.34 5.21 -54.22	159.81 6.60 -56.18	185.30 6.72 -81.14	180.24 6.84 -74.25	168.83 6.52 -64.97	158.81 6.52 -55.05	136.96 6.19 -34.02	125.35 6.00 -22.50	119.42 5.35 -16.71
INDIAN POINT_GT_2 23659	120.75 4.19 -41.71	111.26 3.96 -35.27	102.20 4.05 -24.44	97.55 4.14 -18.11	109.16 4.24 -27.89	122.74 5.19 -23.27	160.93 5.89 -55.28	199.68 5.97 -95.81	169.17 6.42 -65.51	160.31 5.36 -73.80	137.86 5.85 -41.95	128.05 5.35 -42.86	126.28 4.84 -50.26	123.92 4.83 -48.02	129.83 4.84 -53.85	138.34 5.21 -54.22	159.81 6.60 -56.18	185.30 6.72 -81.14	180.24 6.84 -74.25	168.83 6.52 -64.97	158.81 6.52 -55.05	136.96 6.19 -34.02	125.35 6.00 -22.50	119.42 5.35 -16.71
INDIAN POINT_GT_3 24019	120.75 4.19 -41.71	111.26 3.96 -35.27	102.20 4.05 -24.44	97.55 4.14 -18.11	109.16 4.24 -27.89	122.74 5.19 -23.27	160.93 5.89 -55.28	199.68 5.97 -95.81	169.17 6.42 -65.51	160.31 5.36 -73.80	137.86 5.85 -41.95	128.05 5.35 -42.86	126.28 4.84 -50.26	123.92 4.83 -48.02	129.83 4.84 -53.85	138.34 5.21 -54.22	159.81 6.60 -56.18	185.30 6.72 -81.14	180.24 6.84 -74.25	168.83 6.52 -64.97	158.81 6.52 -55.05	136.96 6.19 -34.02	125.35 6.00 -22.50	119.42 5.35 -16.71
INDIAN POINT___2 23530	119.74 3.96 -40.93	110.44 3.82 -34.59	101.57 3.90 -23.95	97.02 3.99 -17.73	108.47 4.08 -27.35	122.13 4.99 -22.84	159.66 5.68 -54.21	197.64 5.68 -94.07	167.70 6.23 -64.23	158.68 5.12 -72.40	136.89 5.68 -41.16	127.01 5.11 -42.05	125.12 4.62 -49.31	122.87 4.69 -47.11	128.60 4.62 -52.83	137.09 4.97 -53.20	158.50 6.30 -55.15	183.64 6.53 -79.67	178.58 6.54 -72.89	167.36 6.23 -63.79	157.54 6.23 -54.07	136.06 5.90 -33.42	124.75 5.81 -22.10	118.79 5.06 -16.38
INDIAN POINT___3 23531	120.63 4.04 -41.74	111.21 3.89 -35.29	102.14 3.98 -24.45	97.49 4.07 -18.12	109.10 4.16 -27.90	122.66 5.09 -23.28	160.76 5.69 -55.31	199.54 5.78 -95.87	169.01 6.22 -65.55	160.19 5.19 -73.84	137.70 5.67 -41.97	127.91 5.19 -42.88	126.17 4.70 -50.29	123.80 4.69 -48.05	129.72 4.70 -53.88	138.22 5.05 -54.25	159.65 6.40 -56.21	185.16 6.53 -81.19	180.09 6.64 -74.29	168.68 6.33 -65.01	158.65 6.32 -55.09	136.79 6.00 -34.04	125.17 5.81 -22.52	119.24 5.16 -16.72
INGHAM_C_115KV_TB7 356103	79.94 5.09 0.00	76.86 4.83 0.00	78.50 4.79 0.00	80.12 4.82 0.00	82.12 5.08 0.00	101.08 6.79 0.00	107.74 7.98 0.00	105.83 7.93 0.00	105.02 7.78 0.00	87.57 6.41 0.00	97.08 7.02 0.00	85.67 5.83 0.00	76.38 5.20 0.00	76.04 4.97 0.00	76.05 4.91 0.00	84.44 5.52 0.00	104.42 7.38 0.00	105.14 7.70 0.00	106.98 7.83 0.00	105.03 7.69 0.00	105.02 7.78 0.00	104.77 8.03 0.00	105.17 8.33 0.00	105.93 8.57 0.00
IP CORINTH___1 23988	153.83 6.36 -72.62	160.73 6.12 -82.58	151.69 6.27 -71.71	160.81 6.40 -79.11	149.27 6.55 -65.68	129.66 5.75 -29.62	237.25 6.48 -131.00	226.32 6.46 -121.97	242.23 6.52 -138.47	180.45 5.36 -93.94	149.49 6.03 -53.40	139.19 4.79 -54.56	139.43 4.27 -63.98	136.17 3.98 -61.13	143.60 3.91 -68.55	152.35 4.42 -69.02	174.18 5.63 -71.51	228.01 6.24 -124.33	239.38 6.25 -133.98	215.96 6.13 -112.49	173.30 5.93 -70.13	145.98 5.90 -43.34	131.41 5.91 -28.66	157.45 7.89 -52.20



IP__TICONDEROGA 23804	155.89 8.68 -72.36	162.53 8.36 -82.14	153.52 8.55 -71.26	162.47 8.66 -78.51	151.31 8.94 -65.33	133.02 9.15 -29.58	240.63 10.57 -130.30	230.20 10.47 -121.83	245.46 10.40 -137.81	183.51 8.52 -93.83	152.94 9.55 -53.34	141.92 7.58 -54.49	141.64 6.55 -63.91	138.30 6.18 -61.06	145.73 6.12 -68.47	155.12 7.26 -68.94	177.78 9.32 -71.43	231.67 10.23 -124.00	242.83 10.21 -133.47	219.46 10.03 -112.10	176.91 9.63 -70.05	149.22 9.19 -43.29	134.67 9.20 -28.63	159.73 10.51 -51.86
ISLIP_RES_REC 323679	132.83 8.09 -49.89	117.72 7.71 -37.98	113.66 7.81 -32.14	117.90 8.14 -34.47	117.96 8.32 -32.60	142.60 10.37 -37.94	188.39 10.97 -77.66	216.30 10.96 -107.44	262.69 11.18 -154.28	202.63 9.09 -112.38	200.68 10.17 -100.45	192.48 9.10 -103.54	149.91 8.11 -70.62	148.51 8.38 -69.07	152.74 8.32 -73.28	236.33 8.99 -148.42	167.97 11.83 -59.10	215.14 11.59 -106.11	224.06 11.69 -113.21	188.72 11.29 -80.10	183.72 11.08 -75.40	159.67 10.64 -52.29	142.42 11.13 -34.45	142.30 10.32 -34.62
JAMAICA__27_KV_LOAD 355505	122.51 5.24 -42.43	112.82 4.90 -35.89	103.60 5.01 -24.88	98.88 5.12 -18.46	110.65 5.24 -28.38	124.55 6.60 -23.66	163.50 7.48 -56.25	203.24 7.93 -97.41	172.55 8.65 -66.65	163.49 7.30 -75.03	140.72 8.02 -42.65	130.68 7.27 -43.57	128.90 6.62 -51.10	126.50 6.61 -48.82	132.51 6.62 -54.75	141.06 7.02 -55.13	163.18 9.02 -57.11	189.12 9.16 -82.52	184.10 9.42 -75.53	172.19 8.76 -66.09	162.07 8.85 -55.98	139.76 8.42 -34.60	127.76 8.04 -22.88	121.48 7.11 -17.02
JANIS__SOLAR 323808	90.70 3.52 -12.33	86.30 3.32 -10.95	85.05 3.39 -7.95	85.38 3.54 -6.53	89.33 3.62 -8.67	105.42 4.53 -6.61	123.45 6.48 -17.21	131.77 6.56 -27.31	123.01 5.74 -20.04	105.93 3.74 -21.03	105.88 3.87 -11.96	95.09 3.03 -12.22	88.00 2.49 -14.33	87.31 2.55 -13.69	89.19 2.70 -15.35	97.84 3.47 -15.45	118.29 5.24 -16.01	127.41 6.24 -23.72	127.78 6.54 -22.09	122.68 5.94 -19.40	118.53 5.64 -15.65	111.06 4.64 -9.67	107.69 4.46 -6.40	107.26 4.39 -5.52
JARVIS____ 23743	75.67 0.82 0.00	72.83 0.79 0.00	74.60 0.89 0.00	76.21 0.91 0.00	77.97 0.93 0.00	95.43 1.14 0.00	101.06 1.29 0.00	99.17 1.27 0.00	98.50 1.26 0.00	82.21 1.05 0.00	91.22 1.17 0.00	80.80 0.96 0.00	72.04 0.86 0.00	71.92 0.86 0.00	72.00 0.86 0.00	79.87 0.95 0.00	98.30 1.26 0.00	98.80 1.36 0.00	100.54 1.39 0.00	98.70 1.36 0.00	98.60 1.36 0.00	98.00 1.25 0.00	98.10 1.26 0.00	98.53 1.17 0.00
JENNISON__1 23625	94.90 4.12 -15.94	90.46 3.89 -14.53	88.48 3.98 -10.79	88.67 4.07 -9.30	92.79 4.24 -11.51	107.92 5.28 -8.35	129.31 6.68 -22.86	139.64 7.34 -34.40	130.14 6.61 -26.29	112.54 4.87 -26.51	110.26 5.13 -15.07	99.55 4.31 -15.40	93.01 3.77 -18.06	91.87 3.55 -17.25	94.12 3.63 -19.35	102.74 4.34 -19.48	123.42 6.21 -20.17	134.96 7.02 -30.51	135.04 7.24 -28.65	129.31 6.72 -25.26	123.44 6.42 -19.79	114.58 5.61 -12.23	110.25 5.33 -8.09	110.26 5.35 -7.54
JENNISON__2 23626	94.90 4.12 -15.94	90.46 3.89 -14.53	88.48 3.98 -10.79	88.67 4.07 -9.30	92.79 4.24 -11.51	107.92 5.28 -8.35	129.31 6.68 -22.86	139.64 7.34 -34.40	130.14 6.61 -26.29	112.54 4.87 -26.51	110.26 5.13 -15.07	99.55 4.31 -15.40	93.01 3.77 -18.06	91.87 3.55 -17.25	94.12 3.63 -19.35	102.74 4.34 -19.48	123.42 6.21 -20.17	134.96 7.02 -30.51	135.04 7.24 -28.65	129.31 6.72 -25.26	123.44 6.42 -19.79	114.58 5.61 -12.23	110.25 5.33 -8.09	110.26 5.35 -7.54
JERICHO_RISE_WT_PWR 323719	73.42 -1.42 0.00	70.59 -1.44 0.00	72.02 -1.69 0.00	73.42 -1.88 0.00	75.19 -1.85 0.00	92.22 -2.07 0.00	96.37 -3.39 0.00	95.05 -2.84 0.00	94.13 -3.12 0.00	79.05 -2.11 0.00	87.17 -2.89 0.00	77.13 -2.71 0.00	68.69 -2.49 0.00	68.51 -2.56 0.00	68.72 -2.42 0.00	76.47 -2.45 0.00	94.22 -2.82 0.00	94.91 -2.53 0.00	96.68 -2.47 0.00	95.39 -1.95 0.00	95.59 -1.65 0.00	96.07 -0.67 0.00	96.06 -0.78 0.00	97.26 -0.10 0.00
KATONAH__115KV_46KV_TB4 355592	123.99 6.06 -43.09	114.34 5.83 -36.48	104.91 5.90 -25.30	100.21 6.10 -18.81	112.19 6.32 -28.84	126.22 7.92 -24.01	166.21 9.28 -57.17	205.87 9.10 -98.87	174.49 9.53 -67.72	165.18 7.87 -76.15	141.99 8.65 -43.29	131.81 7.74 -44.23	129.88 6.83 -51.87	127.51 6.89 -49.55	133.61 6.90 -55.57	142.52 7.65 -55.95	164.62 9.61 -57.97	190.89 9.65 -83.80	185.60 9.72 -76.73	173.91 9.44 -67.13	163.51 9.43 -56.83	140.77 8.90 -35.12	128.88 8.81 -23.23	122.46 7.79 -17.31
KCE_NY_1 323755	152.30 5.46 -71.99	158.81 5.26 -81.52	149.71 5.38 -70.62	158.46 5.49 -77.66	147.50 5.62 -64.84	130.05 6.22 -29.54	236.05 6.98 -129.30	226.28 6.75 -121.63	241.03 6.90 -136.89	180.37 5.52 -93.69	149.52 6.21 -53.26	139.44 5.19 -54.41	139.62 4.62 -63.81	136.51 4.48 -60.97	143.99 4.48 -68.37	152.81 5.06 -68.84	174.76 6.40 -71.31	227.77 6.82 -123.51	238.82 6.94 -132.73	215.67 6.81 -111.52	173.86 6.70 -69.92	147.01 7.06 -43.21	132.48 7.07 -28.58	155.55 6.81 -51.38
KCE_NY_6_ESR 323823	77.29 -4.86 -7.31	73.49 -4.32 -5.77	73.31 -4.13 -3.72	73.28 -4.29 -2.26	77.12 -4.47 -4.56	92.07 -6.50 -4.28	103.90 -4.89 -9.02	108.94 -6.56 -17.61	100.83 -7.39 -10.99	88.06 -6.65 -13.56	91.10 -6.66 -7.71	82.21 -5.51 -7.87	75.00 -5.41 -9.23	74.77 -5.12 -8.82	75.70 -5.34 -9.89	82.64 -6.24 -9.96	99.51 -7.86 -10.32	105.68 -6.72 -14.96	105.37 -6.64 -12.86	102.36 -7.01 -12.03	100.04 -7.29 -10.09	94.95 -8.03 -6.24	93.51 -7.45 -4.13	93.70 -6.13 -2.47
KEDC_PORT_JEFF_GT2 24210	132.30 7.56 -49.89	117.21 7.20 -37.98	113.15 7.30 -32.14	117.37 7.60 -34.47	117.42 7.78 -32.60	141.85 9.62 -37.94	187.91 10.47 -77.68	215.44 10.09 -107.46	278.75 10.30 -171.21	211.33 8.36 -121.81	211.33 9.37 -111.91	202.15 8.70 -113.61	149.58 7.76 -70.64	148.11 7.96 -69.09	152.34 7.90 -73.30	255.17 8.53 -167.73	167.01 10.87 -59.11	216.20 11.01 -107.75	225.70 11.10 -115.45	188.26 10.80 -80.12	186.82 10.60 -78.97	161.63 10.25 -54.64	141.86 10.56 -34.46	141.72 9.73 -34.63
KEDC_PORT_JEFF_GT3 24211	132.30 7.56 -49.89	117.21 7.20 -37.98	113.15 7.30 -32.14	117.37 7.60 -34.47	117.42 7.78 -32.60	141.85 9.62 -37.94	187.91 10.47 -77.68	215.44 10.09 -107.46	278.75 10.30 -171.21	211.33 8.36 -121.81	211.33 9.37 -111.91	202.15 8.70 -113.61	149.58 7.76 -70.64	148.11 7.96 -69.09	152.34 7.90 -73.30	255.17 8.53 -167.73	167.01 10.87 -59.11	216.20 11.01 -107.75	225.70 11.10 -115.45	188.26 10.80 -80.12	186.82 10.60 -78.97	161.63 10.25 -54.64	141.86 10.56 -34.46	141.72 9.73 -34.63
KEDC_GLWD_GT4 24219	130.65 5.91 -49.89	115.70 5.69 -37.98	111.67 5.82 -32.14	115.72 5.95 -34.47	115.72 6.08 -32.60	139.67 7.45 -37.94	185.81 8.48 -77.57	213.76 8.51 -107.35	193.42 9.14 -87.04	163.58 7.46 -74.96	153.46 8.46 -54.95	151.11 7.67 -63.60	148.61 6.90 -70.53	146.93 6.89 -68.98	151.23 6.90 -73.19	158.09 7.42 -71.76	165.33 9.22 -59.06	206.60 9.55 -99.60	213.20 9.72 -104.33	186.49 9.15 -80.01	167.58 9.14 -61.20	148.41 8.71 -42.96	139.78 8.52 -34.42	139.63 7.69 -34.59
KEDC_GLWD_GT5 24220	130.65 5.91 -49.89	115.70 5.69 -37.98	111.67 5.82 -32.14	115.72 5.95 -34.47	115.72 6.08 -32.60	139.67 7.45 -37.94	185.81 8.48 -77.57	213.76 8.51 -107.35	193.42 9.14 -87.04	163.58 7.46 -74.96	153.46 8.46 -54.95	151.11 7.67 -63.60	148.61 6.90 -70.53	146.93 6.89 -68.98	151.23 6.90 -73.19	158.09 7.42 -71.76	165.33 9.22 -59.06	206.60 9.55 -99.60	213.20 9.72 -104.33	186.49 9.15 -80.01	167.58 9.14 -61.20	148.41 8.71 -42.96	139.78 8.52 -34.42	139.63 7.69 -34.59



KENSICO____ 23655	121.62 4.57 -42.21	112.06 4.32 -35.70	102.88 4.42 -24.74	98.18 4.52 -18.35	109.97 4.70 -28.23	123.49 5.66 -23.54	162.10 6.38 -55.96	201.38 6.56 -96.93	170.55 7.00 -66.31	161.66 5.84 -74.65	138.89 6.39 -42.44	129.03 5.83 -43.36	127.29 5.27 -50.85	124.90 5.26 -48.58	130.88 5.26 -54.48	139.45 5.68 -54.85	161.05 7.18 -56.83	186.85 7.31 -82.10	181.73 7.44 -75.14	170.10 7.01 -65.75	159.94 7.00 -55.70	137.94 6.77 -34.42	126.10 6.49 -22.77	120.12 5.84 -16.92
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	119.67 4.57 -40.26	110.89 4.39 -34.46	102.37 4.50 -24.16	98.32 4.59 -18.42	109.07 4.78 -27.25	122.57 6.03 -22.24	160.68 6.88 -54.04	195.95 6.46 -91.59	168.24 7.29 -63.71	157.63 5.92 -70.54	136.46 6.30 -40.10	126.40 5.59 -40.97	124.28 5.05 -48.05	121.94 4.97 -45.90	127.67 5.05 -51.48	136.35 5.60 -51.83	157.63 6.89 -53.70	183.76 7.21 -79.11	179.40 7.44 -72.82	167.89 7.01 -63.55	157.71 7.00 -53.46	136.27 6.48 -33.04	124.89 6.20 -21.85	119.59 5.65 -16.59
KIAC_JFK_GT1 23816	121.84 4.57 -42.43	112.10 4.18 -35.89	102.86 4.28 -24.88	98.13 4.37 -18.46	109.88 4.47 -28.38	123.60 5.66 -23.66	162.50 6.48 -56.25	202.26 6.95 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.86 5.97 -48.82	131.80 5.90 -54.75	140.27 6.23 -55.13	162.11 7.96 -57.11	188.15 8.19 -82.52	183.01 8.33 -75.53	171.21 7.79 -66.09	161.10 7.88 -55.98	138.69 7.35 -34.60	126.98 7.26 -22.88	120.90 6.52 -17.02
KIAC_JFK_GT2 23817	121.84 4.57 -42.43	112.10 4.18 -35.89	102.86 4.28 -24.88	98.13 4.37 -18.46	109.88 4.47 -28.38	123.60 5.66 -23.66	162.50 6.48 -56.25	202.26 6.95 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.82 7.11 -42.65	129.88 6.47 -43.57	128.19 5.91 -51.10	125.86 5.97 -48.82	131.80 5.90 -54.75	140.27 6.23 -55.13	162.11 7.96 -57.11	188.15 8.19 -82.52	183.01 8.33 -75.53	171.21 7.79 -66.09	161.10 7.88 -55.98	138.69 7.35 -34.60	126.98 7.26 -22.88	120.90 6.52 -17.02
KIAC_JFK____ 323774	121.76 4.49 -42.43	112.10 4.18 -35.89	102.86 4.27 -24.88	98.13 4.37 -18.46	109.88 4.47 -28.38	123.60 5.66 -23.66	162.60 6.58 -56.25	202.26 6.95 -97.42	171.55 7.68 -66.63	162.57 6.41 -75.00	139.80 7.11 -42.63	129.86 6.46 -43.56	128.17 5.90 -51.08	126.27 6.40 -48.80	131.77 5.90 -54.73	140.34 6.32 -55.10	162.01 7.86 -57.12	188.26 8.28 -82.54	183.03 8.33 -75.55	171.23 7.79 -66.11	161.02 7.78 -56.00	138.61 7.26 -34.61	127.38 7.65 -22.89	120.90 6.52 -17.02
KINTIGH____ 23543	76.82 -4.27 -6.24	73.22 -3.75 -4.93	73.28 -3.61 -3.18	73.55 -3.69 -1.93	77.00 -3.93 -3.89	92.39 -5.56 -3.66	101.68 -5.79 -7.71	106.90 -6.07 -15.07	99.55 -7.10 -9.41	86.61 -6.17 -11.61	90.53 -6.12 -6.60	81.48 -5.11 -6.75	74.54 -4.56 -7.91	73.79 -4.91 -7.56	74.71 -4.71 -8.48	81.69 -5.76 -8.53	98.50 -7.38 -8.84	103.65 -6.63 -12.83	103.75 -6.44 -11.05	100.83 -6.81 -10.31	98.91 -7.00 -8.67	94.36 -7.74 -5.36	92.93 -7.46 -3.54	93.54 -5.94 -2.12
KNTFSRNC_46_KV_46KV_LOAD 80397	75.07 0.22 0.00	72.10 0.07 0.00	73.64 -0.07 0.00	75.00 -0.30 0.00	76.81 -0.23 0.00	94.10 -0.19 0.00	98.86 -0.90 0.00	97.02 -0.88 0.00	95.78 -1.46 0.00	80.35 -0.81 0.00	88.53 -1.53 0.00	78.32 -1.52 0.00	69.69 -1.49 0.00	69.57 -1.49 0.00	69.79 -1.35 0.00	77.73 -1.18 0.00	95.68 -1.36 0.00	96.66 -0.78 0.00	98.46 -0.69 0.00	97.14 -0.19 0.00	97.24 0.00 0.00	97.62 0.87 0.00	97.71 0.87 0.00	99.11 1.75 0.00
LACHUTE____HYDRO 323717	155.89 8.68 -72.36	162.53 8.35 -82.14	153.52 8.55 -71.26	162.46 8.66 -78.51	151.30 8.93 -65.33	133.02 9.14 -29.58	240.84 10.78 -130.30	230.20 10.48 -121.83	245.57 10.51 -137.82	183.52 8.52 -93.84	152.94 9.54 -53.35	141.93 7.59 -54.50	141.57 6.48 -63.92	138.31 6.18 -61.07	145.74 6.12 -68.48	154.97 7.11 -68.95	177.88 9.41 -71.43	231.65 10.23 -123.98	242.82 10.21 -133.45	219.45 10.03 -112.08	177.09 9.82 -70.03	151.05 11.02 -43.28	136.41 10.94 -28.63	159.74 10.52 -51.86
LAWRNCV_115KV_TB1 80681	76.34 0.82 -0.67	73.21 0.65 -0.53	74.64 0.59 -0.34	76.11 0.60 -0.21	78.07 0.62 -0.42	95.35 0.66 -0.40	100.89 0.30 -0.83	99.32 -0.20 -1.62	97.38 -0.88 -1.01	82.00 -0.41 -1.25	90.41 -0.36 -0.71	80.57 0.00 -0.72	72.03 0.00 -0.85	71.95 0.07 -0.81	72.05 0.00 -0.91	79.28 -0.55 -0.92	96.83 -1.16 -0.95	96.56 -2.14 -1.26	97.76 -2.58 -1.19	96.14 -2.14 -0.94	96.13 -2.04 -0.93	96.26 -1.06 -0.58	96.93 -0.29 -0.38	97.26 -0.10 0.00
LEDERLE____ 23769	118.91 3.97 -40.10	109.72 3.82 -33.87	101.06 3.91 -23.44	96.62 3.99 -17.32	107.90 4.08 -26.78	121.68 5.00 -22.39	158.53 5.69 -53.08	195.87 5.78 -92.19	166.40 6.22 -62.94	157.28 5.11 -71.01	136.10 5.67 -40.37	126.19 5.11 -41.24	124.17 4.63 -48.36	121.89 4.62 -46.21	127.58 4.62 -51.82	136.06 4.97 -52.17	157.40 6.31 -54.05	181.98 6.53 -78.01	177.14 6.64 -71.34	166.11 6.33 -62.45	156.42 6.22 -52.95	135.37 5.90 -32.73	124.20 5.71 -21.65	118.44 5.06 -16.02
LIGHTHSE_115KV_TB6 355974	77.76 -0.60 -3.52	74.16 -0.65 -2.78	74.84 -0.66 -1.79	75.79 -0.60 -1.09	78.46 -0.77 -2.19	95.32 -1.04 -2.06	103.70 -0.40 -4.34	106.24 -0.10 -8.44	101.89 -0.58 -5.23	86.72 -0.89 -6.45	92.64 -1.08 -3.67	82.71 -0.88 -3.75	74.79 -0.78 -4.39	74.34 -0.92 -4.20	75.00 -0.85 -4.71	82.71 -0.95 -4.74	101.21 -0.78 -4.95	103.67 -0.29 -6.52	105.09 -0.20 -6.14	101.72 -0.49 -4.87	101.38 -0.68 -4.82	98.66 -1.06 -2.98	97.74 -1.07 -1.97	97.38 -1.17 -1.19
LINDEN COGEN____ 23786	64.45 4.49 14.89	62.28 4.32 14.07	61.23 4.35 16.83	61.69 4.44 18.05	62.89 4.62 18.77	70.28 5.56 29.57	105.06 6.09 0.79	131.40 6.27 -27.23	91.03 6.90 13.12	79.05 5.76 7.87	73.44 6.39 23.01	70.44 5.83 15.23	79.99 5.27 -3.54	76.32 5.33 0.07	75.84 5.26 0.56	65.53 5.60 18.99	49.08 6.89 54.85	51.46 7.31 53.29	59.03 7.14 47.26	51.30 6.81 52.85	49.14 6.70 54.80	71.56 6.58 31.77	76.42 6.49 26.91	87.10 5.55 15.80
LINDHRST_69_KV_BK1 356055	132.08 7.33 -49.89	117.00 6.99 -37.98	112.93 7.08 -32.14	117.07 7.30 -34.47	117.11 7.47 -32.60	141.47 9.24 -37.94	186.82 9.48 -77.58	214.94 9.69 -107.35	198.70 9.92 -91.54	166.76 8.12 -77.48	157.15 9.10 -57.99	154.26 8.14 -66.28	149.14 7.40 -70.56	147.53 7.46 -69.00	151.90 7.54 -73.22	163.85 8.05 -76.89	167.17 11.06 -59.06	207.88 10.43 -100.01	214.76 10.71 -104.90	187.56 10.22 -80.00	169.39 10.02 -62.13	149.99 9.67 -43.57	141.13 9.88 -34.41	141.29 9.35 -34.59
LIPA_MISC_IPP 23656	132.15 7.41 -49.89	117.07 7.06 -37.98	113.07 7.22 -32.14	117.22 7.45 -34.47	117.34 7.70 -32.60	141.75 9.52 -37.94	187.61 10.18 -77.67	215.72 10.38 -107.45	273.05 10.50 -165.30	208.22 8.52 -118.54	207.51 9.55 -107.91	198.40 8.46 -110.10	149.45 7.62 -70.65	147.84 7.67 -69.10	152.21 7.75 -73.31	248.19 8.29 -160.99	166.53 10.38 -59.10	215.02 10.43 -107.15	224.31 10.51 -114.65	187.75 10.32 -80.10	185.16 10.21 -77.71	160.51 9.96 -53.80	141.56 10.27 -34.45	141.62 9.64 -34.63
LISF__SOLAR 323691	132.30 7.56 -49.89	117.21 7.20 -37.98	113.22 7.37 -32.14	117.37 7.60 -34.47	117.50 7.86 -32.60	141.94 9.71 -37.94	188.00 10.57 -77.67	216.02 10.67 -107.45	272.78 10.79 -164.74	208.14 8.77 -118.21	207.40 9.82 -107.53	198.31 8.70 -109.76	149.57 7.76 -70.63	148.10 7.96 -69.08	152.33 7.90 -73.29	247.80 8.53 -160.36	166.82 10.67 -59.10	215.38 10.81 -107.12	224.56 10.81 -114.60	188.06 10.61 -80.11	185.35 10.51 -77.61	160.73 10.25 -53.74	141.95 10.65 -34.46	141.81 9.83 -34.63



LITTLE FALLS___HYD 24013	79.94 5.09 0.00	76.86 4.83 0.00	78.50 4.79 0.00	80.12 4.82 0.00	82.12 5.08 0.00	101.08 6.79 0.00	107.74 7.98 0.00	105.83 7.93 0.00	105.02 7.78 0.00	87.57 6.41 0.00	97.08 7.02 0.00	85.67 5.83 0.00	76.38 5.20 0.00	76.04 4.97 0.00	76.05 4.91 0.00	84.44 5.52 0.00	104.42 7.38 0.00	105.14 7.70 0.00	106.98 7.83 0.00	105.03 7.69 0.00	105.02 7.78 0.00	104.77 8.03 0.00	105.17 8.33 0.00	105.93 8.57 0.00
LITTLRIV_115KV_TB1 356100	77.29 1.72 -0.72	74.11 1.51 -0.57	75.48 1.40 -0.37	77.03 1.51 -0.22	78.95 1.46 -0.45	96.50 1.79 -0.42	102.25 1.60 -0.89	100.70 1.08 -1.73	98.61 0.29 -1.08	83.06 0.57 -1.33	91.44 0.63 -0.76	81.41 0.80 -0.77	72.80 0.71 -0.91	72.64 0.71 -0.87	72.75 0.64 -0.97	80.21 0.32 -0.98	98.15 0.10 -1.02	98.01 -0.78 -1.35	99.23 -1.19 -1.27	97.47 -0.88 -1.01	97.46 -0.78 -0.99	97.46 0.10 -0.61	98.12 0.87 -0.41	98.65 1.07 -0.22
LI_NEWBRDGE___DRP 323616	130.35 5.61 -49.89	115.41 5.40 -37.98	111.31 5.45 -32.14	115.42 5.65 -34.47	115.42 5.78 -32.60	139.30 7.07 -37.94	185.01 7.68 -77.57	213.08 7.83 -107.35	192.57 8.27 -87.06	162.88 6.74 -74.99	152.67 7.65 -54.96	150.40 6.95 -63.62	148.00 6.26 -70.55	146.24 6.18 -69.00	150.61 6.26 -73.21	157.40 6.71 -71.78	164.54 8.44 -59.06	205.69 8.67 -99.58	212.28 8.82 -104.31	185.70 8.37 -80.00	166.79 8.36 -61.19	147.72 8.03 -42.95	139.09 7.84 -34.41	139.15 7.20 -34.59
LOCKPORT_115KV_TB60_63_64 80432	75.69 -5.84 -6.68	72.13 -5.19 -5.28	72.03 -5.09 -3.41	72.18 -5.20 -2.07	75.74 -5.47 -4.17	90.57 -7.64 -3.92	100.03 -7.98 -8.25	105.60 -8.42 -16.12	97.68 -9.63 -10.07	85.39 -8.20 -12.43	88.84 -8.29 -7.06	80.03 -7.03 -7.22	73.45 -6.19 -8.46	72.68 -6.47 -8.09	73.59 -6.62 -9.07	80.31 -7.73 -9.13	96.69 -9.80 -9.45	102.31 -8.87 -13.74	102.15 -8.82 -11.82	99.23 -9.15 -11.04	97.18 -9.34 -9.27	92.41 -10.06 -5.73	90.85 -9.78 -3.79	91.64 -7.98 -2.27
LOCKPORT___CC1 323769	75.51 -6.06 -6.73	71.87 -5.48 -5.32	71.83 -5.31 -3.43	71.96 -5.42 -2.08	75.53 -5.70 -4.20	90.22 -8.02 -3.94	101.28 -6.79 -8.30	105.43 -8.71 -16.24	97.85 -9.53 -10.14	85.15 -8.52 -12.51	88.52 -8.65 -7.11	79.84 -7.26 -7.26	72.65 -7.05 -8.52	72.45 -6.75 -8.14	73.37 -6.90 -9.13	80.06 -8.05 -9.19	96.38 -10.19 -9.52	101.97 -9.26 -13.79	101.80 -9.22 -11.86	98.89 -9.54 -11.09	96.83 -9.72 -9.31	92.05 -10.45 -5.75	90.87 -9.78 -3.81	91.27 -8.37 -2.28
LOCKPORT___CC2 323770	75.51 -6.06 -6.73	71.87 -5.48 -5.32	71.83 -5.31 -3.43	71.96 -5.42 -2.08	75.53 -5.70 -4.20	90.22 -8.02 -3.94	101.28 -6.79 -8.30	105.43 -8.71 -16.24	97.85 -9.53 -10.14	85.15 -8.52 -12.51	88.52 -8.65 -7.11	79.84 -7.26 -7.26	72.65 -7.05 -8.52	72.45 -6.75 -8.14	73.37 -6.90 -9.13	80.06 -8.05 -9.19	96.38 -10.19 -9.52	101.97 -9.26 -13.79	101.80 -9.22 -11.86	98.89 -9.54 -11.09	96.83 -9.72 -9.31	92.05 -10.45 -5.75	90.87 -9.78 -3.81	91.27 -8.37 -2.28
LOCKPORT___CC3 323771	75.51 -6.06 -6.73	71.87 -5.48 -5.32	71.83 -5.31 -3.43	71.96 -5.42 -2.08	75.53 -5.70 -4.20	90.22 -8.02 -3.94	101.28 -6.79 -8.30	105.43 -8.71 -16.24	97.85 -9.53 -10.14	85.15 -8.52 -12.51	88.52 -8.65 -7.11	79.84 -7.26 -7.26	72.65 -7.05 -8.52	72.45 -6.75 -8.14	73.37 -6.90 -9.13	80.06 -8.05 -9.19	96.38 -10.19 -9.52	101.97 -9.26 -13.79	101.80 -9.22 -11.86	98.89 -9.54 -11.09	96.83 -9.72 -9.31	92.05 -10.45 -5.75	90.87 -9.78 -3.81	91.27 -8.37 -2.28
LONG_LAKE_PHOENIX 24014	76.70 -2.10 -3.95	73.13 -2.02 -3.12	73.73 -1.99 -2.01	74.49 -2.03 -1.22	77.42 -2.08 -2.46	93.96 -2.64 -2.31	102.34 -2.29 -4.87	105.33 -2.06 -9.49	100.70 -2.43 -5.89	86.08 -2.35 -7.27	91.76 -2.43 -4.13	81.83 -2.24 -4.22	74.14 -1.99 -4.95	73.66 -2.13 -4.73	74.46 -1.99 -5.31	82.13 -2.13 -5.34	100.08 -2.52 -5.56	102.55 -2.24 -7.35	103.99 -2.08 -6.92	100.58 -2.24 -5.49	100.33 -2.33 -5.43	97.20 -2.90 -3.35	96.15 -2.91 -2.22	95.68 -3.02 -1.34
LOVETT___3 23632	118.82 3.67 -40.30	109.61 3.53 -34.04	100.81 3.54 -23.56	96.34 3.61 -17.42	107.73 3.77 -26.92	121.41 4.62 -22.50	158.30 5.19 -53.35	195.83 5.29 -92.65	166.24 5.74 -63.26	157.23 4.71 -71.36	135.84 5.22 -40.56	126.00 4.71 -41.44	124.06 4.27 -48.60	121.76 4.26 -46.44	127.48 4.27 -52.07	135.92 4.58 -52.43	157.18 5.82 -54.32	181.89 6.04 -78.41	177.01 6.15 -71.71	165.85 5.74 -62.77	156.20 5.74 -53.22	135.15 5.51 -32.89	123.92 5.33 -21.75	118.14 4.67 -16.11
LOVETT___4 23642	118.82 3.67 -40.30	109.61 3.53 -34.04	100.81 3.54 -23.56	96.34 3.61 -17.42	107.73 3.77 -26.92	121.41 4.62 -22.50	158.30 5.19 -53.35	195.83 5.29 -92.65	166.24 5.74 -63.26	157.23 4.71 -71.36	135.84 5.22 -40.56	126.00 4.71 -41.44	124.06 4.27 -48.60	121.76 4.26 -46.44	127.48 4.27 -52.07	135.92 4.58 -52.43	157.18 5.82 -54.32	181.89 6.04 -78.41	177.01 6.15 -71.71	165.85 5.74 -62.77	156.20 5.74 -53.22	135.15 5.51 -32.89	123.92 5.33 -21.75	118.14 4.67 -16.11
LOVETT___5 23593	118.82 3.67 -40.30	109.61 3.53 -34.04	100.81 3.54 -23.56	96.34 3.61 -17.42	107.73 3.77 -26.92	121.41 4.62 -22.50	158.30 5.19 -53.35	195.83 5.29 -92.65	166.24 5.74 -63.26	157.23 4.71 -71.36	135.84 5.22 -40.56	126.00 4.71 -41.44	124.06 4.27 -48.60	121.76 4.26 -46.44	127.48 4.27 -52.07	135.92 4.58 -52.43	157.18 5.82 -54.32	181.89 6.04 -78.41	177.01 6.15 -71.71	165.85 5.74 -62.77	156.20 5.74 -53.22	135.15 5.51 -32.89	123.92 5.33 -21.75	118.14 4.67 -16.11
LOWER RAQUET___HYD 24057	76.73 1.12 -0.76	73.57 0.93 -0.60	74.99 0.89 -0.39	76.45 0.91 -0.24	78.44 0.93 -0.48	95.68 0.94 -0.45	99.41 -1.30 -0.94	99.73 0.00 -1.83	97.51 -0.88 -1.14	82.33 -0.24 -1.41	90.77 -0.09 -0.80	80.90 0.24 -0.82	72.57 0.43 -0.96	72.27 0.29 -0.92	72.39 0.21 -1.03	79.56 -0.39 -1.04	97.15 -0.97 -1.08	96.48 -2.24 -1.27	97.77 -2.58 -1.20	96.05 -2.23 -0.95	96.04 -2.14 -0.94	96.26 -1.06 -0.58	96.94 -0.29 -0.38	97.59 0.00 -0.23
LOWER___HUDSON 24059	147.08 4.49 -67.74	150.65 4.32 -74.29	141.26 4.42 -63.12	147.46 4.52 -67.64	140.71 4.62 -59.05	128.79 5.47 -29.03	223.55 6.09 -117.70	223.32 5.87 -119.55	229.39 6.13 -126.02	178.12 4.87 -92.09	147.81 5.40 -52.35	138.04 4.71 -53.48	138.03 4.13 -62.72	135.11 4.12 -59.93	142.54 4.20 -67.20	151.23 4.65 -67.66	173.06 5.92 -70.10	221.76 6.14 -118.17	229.75 6.25 -124.35	208.41 6.04 -105.04	172.00 6.03 -68.73	145.22 6.00 -42.47	130.94 6.01 -28.09	148.81 5.74 -45.71
LOWVILLE_115KV_TB2 356335	79.45 2.92 -1.69	75.89 2.52 -1.33	77.15 2.58 -0.86	78.46 2.64 -0.52	80.86 2.77 -1.05	98.86 3.58 -0.99	106.24 4.39 -2.08	106.65 4.70 -4.06	103.86 4.08 -2.54	87.29 3.00 -3.13	94.90 3.06 -1.78	84.37 2.71 -1.82	75.73 2.42 -2.13	75.45 2.35 -2.04	75.77 2.35 -2.29	83.82 2.60 -2.30	103.11 3.69 -2.38	104.60 4.00 -3.16	106.20 4.07 -2.98	103.40 3.70 -2.36	103.18 3.60 -2.34	101.38 3.19 -1.44	100.99 3.20 -0.96	101.04 3.12 -0.57
LUTHERFT_115KV_GLOB_FND_222 355753	152.23 5.39 -71.99	158.74 5.19 -81.52	149.64 5.31 -70.62	158.38 5.42 -77.66	147.42 5.55 -64.84	129.96 6.13 -29.54	235.85 6.78 -129.30	226.18 6.66 -121.63	240.83 6.71 -136.88	180.36 5.52 -93.68	149.43 6.12 -53.25	139.44 5.19 -54.41	139.54 4.56 -63.80	136.43 4.41 -60.96	143.91 4.41 -68.36	152.79 5.05 -68.83	174.66 6.31 -71.31	227.69 6.72 -123.53	238.74 6.84 -132.74	215.59 6.72 -111.54	173.78 6.61 -69.93	146.35 6.39 -43.22	131.82 6.39 -28.58	155.45 6.72 -51.38



LUTHERNY_35_KV_BK2 355980	152.30 5.46 -71.99	158.81 5.26 -81.52	149.71 5.38 -70.62	158.46 5.50 -77.66	147.50 5.62 -64.84	130.05 6.22 -29.54	235.95 6.88 -129.30	226.28 6.75 -121.63	240.93 6.81 -136.88	180.36 5.52 -93.68	149.52 6.21 -53.25	139.44 5.19 -54.41	139.61 4.63 -63.80	136.50 4.48 -60.96	143.98 4.48 -68.36	152.87 5.13 -68.83	174.76 6.40 -71.31	227.79 6.82 -123.53	238.83 6.94 -132.74	215.68 6.81 -111.54	173.88 6.71 -69.93	146.44 6.48 -43.22	131.91 6.49 -28.58	155.55 6.82 -51.38
LWR___OSWEGATCHIE_HYD 23850	77.80 1.65 -1.30	74.43 1.37 -1.03	75.70 1.33 -0.66	77.14 1.43 -0.40	79.31 1.46 -0.81	96.85 1.79 -0.76	103.47 2.10 -1.61	102.99 1.96 -3.13	100.46 1.26 -1.95	84.54 0.97 -2.41	92.42 0.99 -1.37	82.36 1.12 -1.40	73.82 1.00 -1.64	73.56 0.92 -1.57	73.83 0.92 -1.76	81.40 0.71 -1.77	99.75 0.87 -1.84	100.37 0.49 -2.44	101.74 0.30 -2.29	99.45 0.29 -1.82	99.33 0.29 -1.80	98.44 0.58 -1.11	98.64 1.07 -0.74	98.85 1.07 -0.42
LYONS_FALL_HYD 23570	79.18 2.77 -1.56	75.79 2.52 -1.23	77.08 2.58 -0.80	78.42 2.63 -0.48	80.78 2.77 -0.97	98.70 3.49 -0.91	105.88 4.19 -1.93	106.27 4.60 -3.78	103.78 4.18 -2.36	87.23 3.16 -2.91	94.95 3.24 -1.65	84.32 2.79 -1.69	75.65 2.49 -1.98	75.37 2.42 -1.89	75.68 2.42 -2.12	83.81 2.76 -2.14	103.03 3.78 -2.21	104.43 4.09 -2.90	105.95 4.07 -2.73	103.29 3.79 -2.17	103.08 3.69 -2.14	101.36 3.29 -1.32	101.01 3.29 -0.88	101.09 3.21 -0.53
MADISON___COUNTY_LFGE 323628	80.08 2.54 -2.69	76.61 2.45 -2.12	77.59 2.51 -1.37	78.70 2.56 -0.83	81.41 2.70 -1.68	99.26 3.39 -1.58	107.37 4.29 -3.32	109.07 4.70 -6.48	105.61 4.28 -4.09	89.38 3.17 -5.05	96.26 3.33 -2.87	85.57 2.79 -2.93	77.18 2.56 -3.44	76.77 2.42 -3.29	77.32 2.49 -3.69	85.47 2.84 -3.71	104.62 3.78 -3.80	106.64 4.09 -5.11	108.12 4.16 -4.80	104.94 3.80 -3.81	104.71 3.70 -3.77	102.17 3.10 -2.33	101.38 3.00 -1.54	101.29 3.02 -0.91
MALONE___115KV_TB1 356076	82.65 7.04 -0.76	79.19 6.55 -0.60	80.73 6.63 -0.39	82.39 6.85 -0.24	84.45 6.93 -0.48	102.56 7.83 -0.45	109.88 9.18 -0.94	108.35 8.61 -1.84	104.71 6.32 -1.14	88.50 5.92 -1.41	97.43 6.57 -0.80	87.69 7.03 -0.82	78.69 6.55 -0.96	78.45 6.47 -0.92	78.36 6.19 -1.03	85.79 5.84 -1.04	104.42 6.31 -1.08	98.38 -0.49 -1.43	99.90 -0.59 -1.34	98.11 -0.29 -1.07	98.20 -0.10 -1.05	98.36 0.97 -0.65	98.34 1.07 -0.43	98.82 1.46 0.00
MAPLEWOD_115KV_TB3 80458	142.62 3.82 -63.95	143.09 3.75 -67.31	133.24 3.83 -55.70	136.72 3.92 -57.50	134.50 4.01 -53.46	128.06 4.90 -28.87	211.42 5.19 -106.47	221.85 5.09 -118.86	218.19 5.25 -115.70	177.01 4.30 -91.55	147.05 4.95 -52.04	137.48 4.47 -53.17	137.45 3.91 -62.35	134.47 3.84 -59.57	141.79 3.84 -66.81	150.44 4.26 -67.26	171.97 5.24 -69.69	216.73 5.46 -113.84	221.51 5.55 -116.80	201.93 5.35 -99.24	170.94 5.35 -68.35	144.11 5.13 -42.24	130.10 5.33 -27.94	142.48 5.06 -40.06
MAPLE_RIDGE_WT_1 323574	73.87 -0.98 0.00	71.09 -0.94 0.00	72.75 -0.96 0.00	74.32 -0.98 0.00	76.12 -0.92 0.00	93.16 -1.13 0.00	97.97 -1.79 0.00	96.23 -1.66 0.00	95.19 -2.05 0.00	79.54 -1.62 0.00	87.99 -2.07 0.00	77.92 -1.92 0.00	69.47 -1.71 0.00	69.43 -1.63 0.00	69.58 -1.57 0.00	77.41 -1.50 0.00	95.48 -1.56 0.00	96.08 -1.36 0.00	97.86 -1.29 0.00	96.36 -0.97 0.00	96.46 -0.78 0.00	96.26 -0.48 0.00	96.36 -0.48 0.00	97.07 -0.29 0.00
MAPLE_RIDGE_WT_2 323611	73.87 -0.98 0.00	71.09 -0.94 0.00	72.75 -0.96 0.00	74.32 -0.98 0.00	76.12 -0.92 0.00	93.16 -1.13 0.00	97.97 -1.79 0.00	96.23 -1.66 0.00	95.19 -2.05 0.00	79.54 -1.62 0.00	87.99 -2.07 0.00	77.92 -1.92 0.00	69.47 -1.71 0.00	69.43 -1.63 0.00	69.58 -1.57 0.00	77.41 -1.50 0.00	95.48 -1.56 0.00	96.08 -1.36 0.00	97.86 -1.29 0.00	96.36 -0.97 0.00	96.46 -0.78 0.00	96.26 -0.48 0.00	96.36 -0.48 0.00	97.07 -0.29 0.00
MARBLE_RIVER_WT_PWR 323696	73.65 -1.20 0.00	70.74 -1.29 0.00	72.24 -1.47 0.00	73.57 -1.73 0.00	75.34 -1.70 0.00	92.41 -1.89 0.00	96.47 -3.29 0.00	95.26 -2.64 0.00	94.23 -3.02 0.00	79.13 -2.03 0.00	87.26 -2.79 0.00	77.13 -2.71 0.00	68.69 -2.49 0.00	68.44 -2.63 0.00	68.65 -2.49 0.00	76.47 -2.45 0.00	94.22 -2.82 0.00	95.01 -2.43 0.00	96.88 -2.28 0.00	95.59 -1.75 0.00	95.78 -1.46 0.00	96.17 -0.58 0.00	96.17 -0.67 0.00	97.46 0.10 0.00
MARSHVLE_115KV_TB1 80742	156.76 5.39 -76.52	160.56 5.19 -83.34	149.52 5.31 -70.50	155.82 5.42 -75.10	148.90 5.62 -66.23	134.56 7.17 -33.10	240.24 8.48 -132.00	242.22 8.03 -136.30	246.59 7.68 -141.67	191.98 5.84 -104.98	155.68 5.94 -59.68	145.36 4.55 -60.97	147.31 4.63 -71.50	143.78 4.41 -68.31	152.23 4.48 -76.61	161.41 5.37 -77.13	183.94 6.99 -79.91	238.11 7.89 -132.78	247.65 8.13 -140.36	222.20 7.88 -116.98	183.19 7.58 -78.36	152.53 7.35 -48.43	135.94 7.07 -32.03	154.87 6.52 -50.99
MARSH_HILL_WT_PWR 323713	82.39 -1.87 -9.42	78.47 -1.65 -8.09	77.99 -1.40 -5.69	78.32 -1.35 -4.37	82.12 -1.31 -6.40	97.12 -2.35 -5.19	112.10 -0.40 -12.73	118.54 -1.28 -21.92	110.04 -2.53 -15.32	94.71 -3.33 -16.88	96.32 -3.33 -9.60	86.69 -2.95 -9.80	79.69 -2.99 -11.50	79.28 -2.77 -10.98	80.54 -2.92 -12.32	88.40 -2.92 -12.40	106.88 -3.01 -12.85	114.74 -1.36 -18.66	115.25 -1.09 -17.19	110.81 -1.56 -15.03	107.95 -1.85 -12.56	101.51 -3.00 -7.76	99.16 -2.81 -5.13	98.93 -2.43 -4.00
MCINTYRE_115KV_TB2 80467	77.22 1.72 -0.65	74.06 1.51 -0.51	75.52 1.47 -0.33	77.01 1.51 -0.20	78.91 1.46 -0.41	96.46 1.79 -0.38	102.16 1.60 -0.80	100.83 1.37 -1.56	98.80 0.58 -0.98	83.09 0.73 -1.20	91.28 0.54 -0.68	81.18 0.64 -0.70	72.50 0.50 -0.82	72.49 0.64 -0.78	72.59 0.57 -0.88	80.27 0.47 -0.88	98.44 0.49 -0.92	98.56 -0.10 -1.22	99.70 -0.59 -1.14	98.05 -0.19 -0.91	97.94 -0.19 -0.90	97.98 0.68 -0.56	98.47 1.26 -0.37	98.72 1.36 0.00
MECO_____69_KV_BK1 80468	157.70 6.96 -75.89	163.25 6.70 -84.52	153.06 6.86 -72.49	160.98 7.00 -78.67	151.48 7.24 -67.20	135.21 9.05 -31.87	244.31 10.57 -133.98	239.31 10.18 -131.23	249.62 9.72 -142.66	189.86 7.63 -101.08	155.71 8.20 -57.46	145.01 6.47 -58.70	146.07 6.05 -68.84	142.59 5.76 -65.77	150.73 5.83 -73.76	160.12 6.94 -74.26	183.01 9.02 -76.94	238.01 9.94 -130.63	248.99 10.21 -139.62	223.94 10.03 -116.58	182.51 9.82 -75.45	152.76 9.38 -46.63	136.78 9.10 -30.84	158.54 8.57 -52.61
MENANDS___115KV_TB5 355628	141.34 3.44 -63.05	141.10 3.39 -65.68	131.15 3.46 -53.98	134.09 3.61 -55.17	132.82 3.62 -52.16	127.53 4.43 -28.81	208.11 4.49 -103.86	220.92 4.41 -118.62	215.19 4.67 -113.29	176.33 3.81 -91.36	146.49 4.50 -51.93	137.05 4.15 -53.06	136.96 3.56 -62.22	134.07 3.55 -59.45	141.29 3.49 -66.67	149.91 3.87 -67.12	171.24 4.66 -69.55	215.09 4.87 -112.77	219.12 4.96 -115.01	199.96 4.77 -97.86	170.21 4.76 -68.21	143.54 4.64 -42.15	129.56 4.84 -27.88	140.79 4.67 -38.76
MG INDUSTRY___DRP 24185	134.93 5.16 -54.92	129.05 5.11 -51.90	118.72 5.31 -39.70	116.85 5.42 -36.13	123.57 5.39 -41.14	128.81 6.69 -27.82	188.10 6.58 -81.75	218.53 6.07 -114.56	195.53 5.74 -92.55	173.94 4.54 -88.24	145.44 5.22 -50.16	135.64 4.55 -51.25	135.27 3.99 -60.10	132.39 3.91 -57.42	139.37 3.84 -64.39	148.32 4.58 -64.83	170.03 5.82 -67.17	206.28 6.24 -102.60	204.71 6.44 -99.12	189.15 6.33 -85.48	169.52 6.32 -65.96	143.60 6.09 -40.76	130.48 6.68 -26.96	132.04 6.72 -27.97



MID___OSWEGATCHIE_HYD 23849	77.80 1.65 -1.30	74.43 1.37 -1.03	75.70 1.33 -0.66	77.14 1.43 -0.40	79.31 1.46 -0.81	96.85 1.79 -0.76	103.47 2.10 -1.61	102.99 1.96 -3.13	100.46 1.26 -1.95	84.54 0.97 -2.41	92.42 0.99 -1.37	82.36 1.12 -1.40	73.82 1.00 -1.64	73.56 0.92 -1.57	73.83 0.92 -1.76	81.40 0.71 -1.77	99.75 0.87 -1.84	100.37 0.49 -2.44	101.74 0.30 -2.29	99.45 0.29 -1.82	99.33 0.29 -1.80	98.44 0.58 -1.11	98.64 1.07 -0.74	98.85 1.07 -0.42
MID___RAQUETTE_HYD 23851	76.73 1.12 -0.76	73.57 0.94 -0.60	74.98 0.88 -0.39	76.44 0.90 -0.24	78.44 0.92 -0.48	95.68 0.94 -0.45	101.40 0.70 -0.94	99.73 0.00 -1.84	97.70 -0.68 -1.14	82.33 -0.24 -1.41	90.77 -0.09 -0.80	80.90 0.24 -0.82	72.36 0.21 -0.96	72.27 0.28 -0.92	72.39 0.21 -1.03	79.56 -0.39 -1.04	97.05 -1.07 -1.08	96.63 -2.24 -1.43	97.92 -2.58 -1.34	96.16 -2.24 -1.07	96.16 -2.14 -1.05	96.33 -1.06 -0.65	97.17 -0.10 -0.43	97.59 0.00 -0.23
MILLIKEN___1 23584	84.97 0.90 -9.23	80.87 0.86 -7.97	80.31 0.96 -5.64	80.67 0.98 -4.39	84.42 1.08 -6.31	100.48 1.13 -5.06	114.28 2.00 -12.52	121.18 2.35 -20.94	113.79 1.75 -14.80	98.22 0.89 -16.17	100.24 0.99 -9.19	89.95 0.72 -9.39	82.84 0.64 -11.02	82.09 0.50 -10.52	83.51 0.57 -11.80	91.67 0.87 -11.88	110.77 1.46 -12.28	117.47 2.05 -17.98	118.03 2.28 -16.60	113.80 1.95 -14.52	111.06 1.75 -12.07	105.17 0.97 -7.46	102.55 0.77 -4.93	101.93 0.68 -3.89
MILLIKEN___2 23585	84.97 0.90 -9.23	80.87 0.86 -7.97	80.31 0.96 -5.64	80.67 0.98 -4.39	84.42 1.08 -6.31	100.48 1.13 -5.06	114.28 2.00 -12.52	121.18 2.35 -20.94	113.79 1.75 -14.80	98.22 0.89 -16.17	100.24 0.99 -9.19	89.95 0.72 -9.39	82.84 0.64 -11.02	82.09 0.50 -10.52	83.51 0.57 -11.80	91.67 0.87 -11.88	110.77 1.46 -12.28	117.47 2.05 -17.98	118.03 2.28 -16.60	113.80 1.95 -14.52	111.06 1.75 -12.07	105.17 0.97 -7.46	102.55 0.77 -4.93	101.93 0.68 -3.89
MILLIKEN___DIESEL 23629	84.97 0.90 -9.23	80.87 0.86 -7.97	80.31 0.96 -5.64	80.67 0.98 -4.39	84.42 1.08 -6.31	100.48 1.13 -5.06	114.28 2.00 -12.52	121.18 2.35 -20.94	113.79 1.75 -14.80	98.22 0.89 -16.17	100.24 0.99 -9.19	89.95 0.72 -9.39	82.84 0.64 -11.02	82.09 0.50 -10.52	83.51 0.57 -11.80	91.67 0.87 -11.88	110.77 1.46 -12.28	117.47 2.05 -17.98	118.03 2.28 -16.60	113.80 1.95 -14.52	111.06 1.75 -12.07	105.17 0.97 -7.46	102.55 0.77 -4.93	101.93 0.68 -3.89
MILLSEAT___LFGE 323607	77.32 -4.04 -6.51	73.72 -3.46 -5.15	73.71 -3.32 -3.32	74.01 -3.31 -2.02	77.56 -3.54 -4.06	93.11 -5.00 -3.82	104.21 -3.59 -8.04	108.34 -5.29 -15.73	100.83 -6.23 -9.82	87.19 -6.09 -12.11	91.09 -5.85 -6.89	81.93 -4.95 -7.04	74.45 -4.98 -8.25	74.25 -4.69 -7.88	75.36 -4.62 -8.84	82.37 -5.44 -8.90	99.47 -6.80 -9.22	104.95 -5.84 -13.35	104.99 -5.65 -11.49	102.03 -6.03 -10.73	100.03 -6.23 -9.02	95.06 -7.26 -5.57	93.84 -6.68 -3.68	94.02 -5.55 -2.21
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	121.15 4.34 -41.96	111.63 4.11 -35.49	102.50 4.20 -24.59	97.83 4.29 -18.23	109.49 4.39 -28.06	123.07 5.37 -23.40	161.47 6.09 -55.62	200.44 6.17 -96.37	169.76 6.61 -65.91	160.91 5.52 -74.23	138.28 6.03 -42.19	128.46 5.51 -43.11	126.72 4.98 -50.56	124.34 4.97 -48.30	130.29 4.98 -54.17	138.82 5.37 -54.54	160.34 6.79 -56.50	185.98 6.92 -81.62	180.89 7.04 -74.70	169.32 6.62 -65.37	159.23 6.61 -55.38	137.35 6.39 -34.22	125.67 6.20 -22.64	119.73 5.55 -16.82
MILLWOOD_13_KV_LOAD 356217	121.30 4.49 -41.96	111.77 4.25 -35.49	102.65 4.35 -24.59	97.98 4.44 -18.23	109.64 4.55 -28.06	123.26 5.56 -23.40	161.67 6.29 -55.62	200.63 6.36 -96.37	170.05 6.90 -65.91	161.07 5.68 -74.23	138.56 6.30 -42.19	128.62 5.67 -43.11	126.86 5.13 -50.56	124.48 5.12 -48.30	130.50 5.19 -54.17	138.98 5.52 -54.54	160.53 6.99 -56.50	186.18 7.11 -81.62	181.08 7.24 -74.70	169.61 6.91 -65.37	159.52 6.90 -55.38	137.55 6.58 -34.22	125.87 6.39 -22.64	119.92 5.74 -16.82
MODEL_CITY_ENERGY 24167	75.28 -6.36 -6.79	71.71 -5.69 -5.37	71.64 -5.53 -3.46	71.68 -5.73 -2.10	75.27 -6.01 -4.24	89.98 -8.30 -3.98	100.96 -7.18 -8.39	105.09 -9.21 -16.40	97.46 -10.01 -10.23	84.94 -8.84 -12.63	88.23 -9.00 -7.18	79.59 -7.59 -7.33	72.45 -7.33 -8.60	72.24 -7.04 -8.22	73.10 -7.26 -9.21	79.83 -8.37 -9.28	95.98 -10.67 -9.61	101.62 -9.74 -13.92	101.42 -9.71 -11.98	98.51 -10.02 -11.19	96.43 -10.21 -9.40	91.62 -10.93 -5.81	90.51 -10.17 -3.84	90.90 -8.76 -2.30
MODERN_LFGE___ 323580	75.28 -6.36 -6.79	71.71 -5.69 -5.37	71.64 -5.53 -3.46	71.68 -5.73 -2.10	75.27 -6.01 -4.24	89.98 -8.30 -3.98	100.96 -7.18 -8.39	105.09 -9.21 -16.40	97.46 -10.01 -10.23	84.94 -8.84 -12.63	88.23 -9.00 -7.18	79.59 -7.59 -7.33	72.45 -7.33 -8.60	72.24 -7.04 -8.22	73.10 -7.26 -9.21	79.83 -8.37 -9.28	95.98 -10.67 -9.61	101.62 -9.74 -13.92	101.42 -9.71 -11.98	98.51 -10.02 -11.19	96.43 -10.21 -9.40	91.62 -10.93 -5.81	90.51 -10.17 -3.84	90.90 -8.76 -2.30
MOHAWK_PAPER___DRP 24187	142.62 3.82 -63.95	143.09 3.75 -67.31	133.24 3.83 -55.70	136.72 3.92 -57.50	134.50 4.01 -53.46	128.06 4.90 -28.87	211.42 5.19 -106.47	221.85 5.09 -118.86	218.19 5.25 -115.70	177.01 4.30 -91.55	147.05 4.95 -52.04	137.48 4.47 -53.17	137.45 3.91 -62.35	134.47 3.84 -59.57	141.79 3.84 -66.81	150.44 4.26 -67.26	171.97 5.24 -69.69	216.73 5.46 -113.84	221.51 5.55 -116.80	201.93 5.35 -99.24	170.94 5.35 -68.35	144.11 5.13 -42.24	130.10 5.33 -27.94	142.48 5.06 -40.06
MOHICAN___35_KV_115KV_LD 80490	153.64 6.59 -72.21	160.18 6.27 -81.88	151.12 6.41 -71.00	160.01 6.55 -78.15	148.94 6.78 -65.13	130.36 6.51 -29.56	237.03 7.38 -129.88	226.88 7.24 -121.74	241.96 7.29 -137.42	180.85 5.92 -93.77	150.11 6.75 -53.30	139.73 5.43 -54.46	139.81 4.77 -63.86	136.63 4.55 -61.02	144.05 4.48 -68.42	152.94 5.13 -68.89	174.92 6.50 -71.38	228.36 7.11 -123.80	239.46 7.14 -133.16	216.21 7.01 -111.86	174.05 6.81 -70.00	146.68 6.68 -43.26	132.13 6.68 -28.61	157.10 8.08 -51.66
MONGAUP___HYD 23641	116.50 4.04 -37.61	107.72 3.96 -31.73	99.62 3.98 -21.93	95.60 4.14 -16.16	106.36 4.23 -25.08	120.68 5.37 -21.02	155.67 6.19 -49.72	190.13 5.68 -86.56	161.98 5.83 -58.91	152.35 4.62 -66.57	132.85 4.95 -37.84	122.89 4.39 -38.66	120.43 3.91 -45.34	118.36 3.98 -43.32	123.70 3.98 -48.58	132.40 4.58 -48.91	153.81 6.02 -50.75	177.23 6.53 -73.26	172.75 6.64 -66.96	162.28 6.32 -58.62	153.22 6.23 -49.75	133.20 5.71 -30.75	122.79 5.61 -20.34	117.50 5.16 -14.99
MONTAUK___DIESEL 23721	132.97 8.23 -49.89	118.15 8.14 -37.98	114.40 8.55 -32.14	118.95 9.19 -34.47	119.27 9.63 -32.60	144.11 11.88 -37.94	190.50 13.07 -77.67	218.95 13.61 -107.45	276.27 13.81 -165.22	211.18 11.52 -118.49	210.61 12.70 -107.86	200.59 10.70 -110.05	150.87 9.04 -70.65	148.76 8.60 -69.10	152.78 8.32 -73.31	248.73 8.92 -160.90	167.30 11.16 -59.10	215.99 11.40 -107.15	225.19 11.40 -114.63	189.21 11.78 -80.10	187.08 12.16 -77.69	162.82 12.29 -53.79	144.07 12.78 -34.45	144.64 12.66 -34.63
MOONROAD_115KV_HARTFLD_TB1-2 355988	78.94 -3.52 -7.61	75.02 -3.03 -6.01	74.79 -2.80 -3.88	74.72 -2.94 -2.36	78.78 -3.00 -4.75	93.94 -4.81 -4.46	105.16 -3.99 -9.39	112.11 -4.01 -18.23	103.47 -5.15 -11.38	90.83 -4.38 -14.05	94.08 -3.96 -7.99	85.05 -2.95 -8.16	78.19 -2.56 -9.57	77.43 -2.77 -9.14	78.33 -3.06 -10.25	85.61 -3.63 -10.32	103.07 -4.66 -10.69	109.67 -3.31 -15.54	109.44 -3.07 -13.36	106.34 -3.50 -12.50	103.74 -3.99 -10.48	98.39 -4.84 -6.48	96.28 -4.84 -4.29	96.42 -3.50 -2.56



MORRIS_RIDGE___SOLAR 323848	80.46 -3.52 -9.13	76.70 -3.17 -7.84	76.27 -2.95 -5.51	76.51 -3.01 -4.22	80.15 -3.08 -6.20	94.71 -4.62 -5.03	108.97 -3.09 -12.30	114.63 -4.11 -20.84	106.63 -5.16 -14.55	91.85 -5.36 -16.05	93.68 -5.50 -9.12	84.45 -4.71 -9.32	77.63 -4.48 -10.93	77.24 -4.26 -10.44	78.37 -4.48 -11.71	85.81 -4.89 -11.79	103.73 -5.53 -12.22	111.08 -4.09 -17.73	111.61 -3.87 -16.33	107.33 -4.28 -14.27	104.72 -4.47 -11.95	98.71 -5.42 -7.38	96.68 -5.04 -4.88	96.77 -4.38 -3.80
MORTIMER_115KV_TB3 55949	78.08 -2.47 -5.70	74.45 -2.09 -4.51	74.55 -2.06 -2.91	75.04 -2.03 -1.77	78.44 -2.16 -3.56	94.71 -2.92 -3.34	103.91 -2.89 -7.04	108.75 -2.94 -13.79	102.07 -3.79 -8.62	88.14 -3.65 -10.64	92.77 -3.33 -6.05	83.14 -2.87 -6.18	75.86 -2.56 -7.24	75.21 -2.77 -6.92	76.20 -2.70 -7.76	83.57 -3.16 -7.81	101.15 -3.98 -8.09	105.87 -3.31 -11.74	106.09 -3.17 -10.11	103.36 -3.41 -9.43	101.58 -3.60 -7.94	97.20 -4.45 -4.91	95.73 -4.36 -3.24	95.79 -3.50 -1.94
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	122.22 4.94 -42.43	112.61 4.68 -35.90	103.39 4.79 -24.88	98.66 4.89 -18.47	110.43 5.01 -28.38	123.99 6.03 -23.66	162.71 6.68 -56.26	202.28 6.95 -97.43	171.39 7.49 -66.66	162.45 6.25 -75.04	139.65 6.93 -42.66	129.73 6.31 -43.58	128.06 5.77 -51.11	125.58 5.69 -48.83	131.66 5.76 -54.76	140.13 6.08 -55.14	161.83 7.67 -57.12	187.87 7.89 -82.54	182.73 8.03 -75.54	170.93 7.49 -66.10	160.72 7.49 -55.99	138.60 7.26 -34.60	126.70 6.97 -22.89	120.61 6.23 -17.02
MUNSVILLE_WIND_PWR 323609	95.65 6.66 -14.14	90.98 6.20 -12.75	89.50 6.41 -9.38	89.77 6.55 -7.92	93.83 6.70 -10.09	110.35 8.58 -7.48	131.08 11.27 -20.04	140.32 11.55 -30.88	131.01 10.60 -23.17	112.73 7.79 -23.78	111.68 8.11 -13.52	100.28 6.62 -13.81	93.07 5.70 -16.20	92.15 5.61 -15.47	94.25 5.76 -17.35	103.33 6.95 -17.47	125.05 9.90 -18.11	135.75 11.20 -27.11	136.11 11.60 -25.37	130.46 10.80 -22.33	125.36 10.41 -17.71	116.89 9.20 -10.95	113.09 9.01 -7.24	112.84 8.95 -6.53
N SALMON___HYD 24042	82.64 7.03 -0.76	79.19 6.55 -0.60	80.74 6.64 -0.39	82.39 6.85 -0.24	84.45 6.94 -0.48	102.56 7.82 -0.45	107.98 7.28 -0.94	108.35 8.62 -1.83	104.61 6.23 -1.14	88.49 5.92 -1.41	97.43 6.57 -0.80	87.69 7.03 -0.82	78.83 6.69 -0.96	78.45 6.47 -0.92	78.36 6.19 -1.03	85.79 5.84 -1.04	104.42 6.30 -1.08	96.96 -0.48 0.00	98.56 -0.59 0.00	97.04 -0.29 0.00	97.14 -0.10 0.00	97.71 0.97 0.00	97.81 0.97 0.00	98.82 1.46 0.00
N.AKRON__115KV_KNAPP 355671	77.21 -4.19 -6.55	73.61 -3.60 -5.18	73.51 -3.54 -3.34	73.79 -3.54 -2.03	77.35 -3.77 -4.09	92.85 -5.28 -3.84	102.46 -5.39 -8.09	108.03 -5.68 -15.81	100.21 -6.90 -9.87	87.10 -6.25 -12.19	90.86 -6.12 -6.93	81.81 -5.11 -7.08	74.93 -4.56 -8.30	74.16 -4.83 -7.93	75.20 -4.84 -8.89	82.27 -5.60 -8.95	99.23 -7.08 -9.27	104.67 -6.24 -13.47	104.79 -5.95 -11.59	101.83 -6.33 -10.83	99.72 -6.61 -9.09	94.82 -7.55 -5.62	93.29 -7.26 -3.72	93.84 -5.74 -2.22
N.BELMOR_69_KV_BK1 55787	130.65 5.91 -49.89	115.63 5.62 -37.98	111.60 5.75 -32.14	115.64 5.87 -34.47	115.65 6.01 -32.60	139.58 7.35 -37.94	185.51 8.18 -77.57	213.66 8.42 -107.35	193.15 8.85 -87.06	163.37 7.22 -74.99	153.21 8.20 -54.96	150.88 7.43 -63.62	148.42 6.69 -70.55	146.74 6.68 -69.00	151.11 6.76 -73.21	157.87 7.18 -71.78	165.13 9.02 -59.06	206.18 9.16 -99.58	212.78 9.32 -104.31	186.19 8.86 -80.00	167.18 8.75 -61.19	148.40 8.71 -42.95	139.58 8.33 -34.41	139.64 7.69 -34.59
N.E_GEN_SANDY PD 24062	130.29 4.49 -50.96	128.70 4.32 -52.35	127.09 4.42 -48.96	128.10 4.52 -48.28	133.82 4.62 -52.16	147.63 5.66 -47.68	198.50 6.29 -92.45	213.29 6.07 -109.32	187.89 6.42 -84.24	170.48 5.12 -84.21	143.60 5.68 -47.87	133.86 5.11 -48.90	133.02 4.49 -57.35	130.47 4.62 -54.79	137.21 4.62 -61.45	145.91 5.13 -61.87	167.44 6.30 -64.10	200.20 6.53 -96.23	197.33 6.64 -91.53	183.04 6.42 -79.28	166.50 6.42 -62.84	148.10 6.20 -45.16	131.90 6.29 -28.77	134.40 5.84 -31.20
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	118.79 3.74 -40.20	109.59 3.60 -33.96	100.90 3.69 -23.50	96.44 3.77 -17.37	107.74 3.85 -26.85	121.45 4.71 -22.44	158.26 5.29 -53.21	195.70 5.38 -92.42	166.17 5.83 -63.10	157.21 4.87 -71.18	135.83 5.31 -40.46	126.05 4.87 -41.34	124.08 4.41 -48.48	121.72 4.33 -46.32	127.50 4.41 -51.95	135.95 4.73 -52.30	157.24 6.02 -54.19	181.79 6.14 -78.21	176.92 6.25 -71.53	165.88 5.94 -62.61	156.26 5.93 -53.09	135.16 5.61 -32.81	123.96 5.42 -21.70	118.19 4.77 -16.07
N.QUEENS_27_KV_LOAD 356247	122.45 5.16 -42.44	113.33 5.40 -35.90	104.12 5.53 -24.88	99.41 5.65 -18.46	111.12 5.70 -28.38	124.17 6.22 -23.66	163.00 6.98 -56.26	202.66 7.34 -97.42	171.68 7.78 -66.66	162.77 6.57 -75.04	140.01 7.29 -42.65	130.21 6.79 -43.58	128.34 6.05 -51.11	125.93 6.04 -48.83	131.94 6.05 -54.76	140.44 6.39 -55.13	162.21 8.05 -57.11	188.05 8.09 -82.52	183.01 8.33 -75.53	171.22 7.79 -66.10	161.01 7.78 -55.99	139.37 8.03 -34.60	127.18 7.46 -22.88	121.48 7.11 -17.02
N.TROY___115KV_TB1 355778	147.08 4.49 -67.74	150.65 4.32 -74.29	141.26 4.42 -63.12	147.46 4.52 -67.64	140.71 4.62 -59.05	128.79 5.47 -29.03	223.45 5.99 -117.70	223.32 5.87 -119.55	229.27 6.03 -126.00	178.11 4.87 -92.08	147.80 5.40 -52.34	138.03 4.71 -53.48	138.10 4.20 -62.71	135.10 4.12 -59.92	142.53 4.20 -67.19	151.22 4.66 -67.65	172.96 5.82 -70.09	221.77 6.14 -118.19	229.77 6.25 -124.37	208.43 6.03 -105.06	172.01 6.03 -68.74	145.03 5.80 -42.48	130.75 5.81 -28.10	148.81 5.74 -45.71
NARROWS_GT1_1 24228	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT1_2 24229	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT1_3 24230	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT1_4 24231	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39



NARROWS_GT1_5 24232	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT1_6 24233	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT1_7 24234	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT1_8 24235	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_1 24236	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_2 24237	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_3 24238	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_4 24239	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_5 24240	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_6 24241	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_7 24242	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NARROWS_GT2_8 24243	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.42 5.65 -18.46	111.20 5.78 -28.38	124.80 6.79 -23.71	163.60 7.58 -56.26	203.05 7.73 -97.43	172.33 8.46 -66.64	163.31 7.14 -75.01	140.44 7.75 -42.64	130.51 7.10 -43.56	128.68 6.41 -51.09	126.34 6.47 -48.81	133.70 6.41 -56.16	152.33 6.95 -66.47	211.02 8.83 -105.15	224.86 8.96 -118.46	215.95 9.22 -107.57	210.70 8.57 -104.80	210.70 8.46 -105.00	145.22 8.22 -40.26	127.57 7.84 -22.89	226.57 6.81 -122.39
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	132.13 4.27 -53.02	125.88 4.25 -49.60	115.76 4.42 -37.63	113.63 4.59 -33.73	120.96 4.62 -39.30	127.35 5.94 -27.12	183.64 5.79 -78.09	214.68 5.09 -111.69	191.06 5.06 -88.77	171.08 3.90 -86.03	143.28 4.32 -48.90	133.64 3.83 -49.96	133.05 3.27 -58.59	130.24 3.20 -55.98	137.05 3.13 -62.78	145.91 3.79 -63.21	167.57 5.05 -65.49	202.57 5.55 -99.58	200.69 5.85 -95.68	185.61 5.65 -82.63	167.07 5.45 -64.38	141.66 5.13 -39.79	128.68 5.52 -26.32	129.45 5.65 -26.44
NCHELSEA_115KV_TR2 355582	122.00 4.86 -42.29	112.54 4.68 -35.82	103.36 4.79 -24.86	98.70 4.89 -18.50	110.37 5.01 -28.32	124.07 6.22 -23.56	162.89 6.98 -56.15	201.66 6.75 -97.01	170.93 7.20 -66.49	161.72 5.84 -74.72	138.92 6.39 -42.47	129.06 5.83 -43.39	127.27 5.20 -50.89	124.87 5.19 -48.62	130.86 5.19 -54.53	139.50 5.68 -54.90	161.20 7.28 -56.88	187.15 7.50 -82.21	182.07 7.63 -75.28	170.51 7.30 -65.87	160.27 7.29 -55.74	138.06 6.87 -34.45	126.30 6.68 -22.78	120.50 6.13 -17.01
NEG CAPITAL___MECHNVIL 23645	151.19 5.54 -70.81	156.90 5.33 -79.54	147.74 5.45 -68.57	155.73 5.49 -74.93	145.99 5.70 -63.25	130.09 6.41 -29.38	233.16 7.28 -126.12	225.94 7.05 -120.99	238.33 7.20 -133.89	180.20 5.85 -93.20	149.61 6.57 -52.98	139.47 5.50 -54.13	139.50 4.84 -63.48	136.47 4.76 -60.65	143.92 4.77 -68.01	152.76 5.37 -68.48	174.77 6.79 -70.94	226.66 7.21 -122.00	236.89 7.34 -130.40	214.26 7.20 -109.72	173.89 7.09 -69.55	146.99 7.26 -42.98	132.54 7.27 -28.43	154.10 6.91 -49.83



NEG CENTRAL_HIGH_ACRES 23767	77.24 -3.14 -5.54	73.60 -2.81 -4.38	73.73 -2.80 -2.82	74.23 -2.78 -1.72	77.57 -2.93 -3.46	93.76 -3.77 -3.25	103.81 -2.79 -6.84	107.83 -3.52 -13.45	101.56 -4.08 -8.40	87.30 -4.22 -10.36	91.90 -4.05 -5.89	82.35 -3.51 -6.02	74.75 -3.49 -7.06	74.47 -3.34 -6.74	75.43 -3.27 -7.56	82.82 -3.71 -7.61	100.37 -4.56 -7.89	104.80 -4.00 -11.36	105.17 -3.77 -9.79	102.38 -4.08 -9.12	100.74 -4.18 -7.68	96.36 -5.13 -4.75	95.14 -4.84 -3.14	94.76 -4.48 -1.88
NEG CENTRAL___DRP 24199	79.90 -0.90 -5.95	75.87 -0.86 -4.70	75.93 -0.81 -3.03	76.39 -0.75 -1.84	79.98 -0.77 -3.71	96.18 -1.60 -3.49	106.51 -0.60 -7.35	112.04 -0.39 -14.53	105.20 -1.17 -9.12	90.80 -1.62 -11.26	95.20 -1.26 -6.40	85.18 -1.20 -6.54	77.85 -1.00 -7.67	77.25 -1.14 -7.33	78.29 -1.07 -8.22	86.00 -1.18 -8.27	104.01 -1.55 -8.52	109.00 -0.88 -12.44	109.17 -0.69 -10.71	106.26 -1.07 -9.99	104.38 -1.26 -8.40	99.81 -2.13 -5.19	98.05 -2.23 -3.43	97.44 -1.95 -2.03
NEG CENTRAL___INDECK 23768	79.97 -2.47 -7.59	75.94 -2.09 -6.00	75.52 -2.06 -3.87	75.70 -1.96 -2.35	79.70 -2.08 -4.74	95.92 -2.83 -4.45	107.84 -1.30 -9.37	114.24 -2.15 -18.50	105.48 -3.31 -11.54	91.18 -4.22 -14.24	93.92 -4.23 -8.10	84.36 -3.75 -8.27	77.11 -3.77 -9.70	76.71 -3.62 -9.27	78.12 -3.41 -10.39	85.75 -3.63 -10.47	104.10 -3.79 -10.84	110.53 -2.63 -15.72	110.18 -2.47 -13.51	107.36 -2.62 -12.65	104.92 -2.91 -10.60	99.04 -4.25 -6.55	97.11 -4.06 -4.33	96.26 -3.70 -2.60
NEG CENTRAL___SENECA 23627	80.69 -0.67 -6.52	76.61 -0.58 -5.15	76.52 -0.52 -3.32	76.87 -0.45 -2.02	80.64 -0.46 -4.07	96.51 -1.60 -3.82	107.41 -0.40 -8.05	113.56 -0.20 -15.86	105.81 -1.36 -9.93	91.55 -1.87 -12.25	95.76 -1.26 -6.97	85.68 -1.28 -7.12	78.60 -0.93 -8.35	77.97 -1.07 -7.97	79.09 -1.00 -8.94	86.73 -1.18 -9.00	104.69 -1.65 -9.30	110.11 -0.88 -13.55	110.21 -0.59 -11.65	107.16 -1.07 -10.89	105.12 -1.26 -9.14	100.07 -2.32 -5.65	98.16 -2.42 -3.74	97.73 -1.85 -2.22
NEG CENTRAL___STATE_STREET 24147	80.06 -0.60 -5.82	76.05 -0.58 -4.60	76.16 -0.52 -2.96	76.58 -0.53 -1.80	80.13 -0.54 -3.63	96.95 -0.75 -3.41	106.94 0.00 -7.18	112.51 0.39 -14.22	106.09 -0.10 -8.94	91.71 -0.49 -11.04	95.97 -0.36 -6.27	85.77 -0.48 -6.41	78.27 -0.43 -7.52	77.68 -0.57 -7.18	78.70 -0.50 -8.05	86.47 -0.55 -8.11	104.79 -0.58 -8.34	109.54 -0.10 -12.19	109.75 0.10 -10.50	106.94 -0.19 -9.80	105.09 -0.39 -8.24	100.67 -1.16 -5.09	98.95 -1.26 -3.37	98.07 -1.27 -1.98
NEG MILLWOOD___DRP 24198	123.26 5.46 -42.95	113.74 5.33 -36.38	104.33 5.38 -25.24	99.66 5.57 -18.78	111.50 5.70 -28.76	125.38 7.17 -23.93	164.96 8.18 -57.02	204.45 8.03 -98.53	173.22 8.46 -67.52	164.03 6.98 -75.89	140.85 7.65 -43.14	130.78 6.87 -44.07	128.99 6.12 -51.69	126.56 6.11 -49.38	132.64 6.12 -55.38	141.38 6.71 -55.76	163.25 8.44 -57.77	189.56 8.57 -83.54	184.38 8.73 -76.51	172.74 8.47 -66.93	162.25 8.36 -56.65	139.69 7.93 -35.01	127.84 7.84 -23.16	121.64 7.01 -17.27
NEG NORTH_FLCN_SEA 23793	74.77 -0.07 0.00	71.82 -0.22 0.00	73.34 -0.37 0.00	74.70 -0.60 0.00	76.42 -0.62 0.00	93.73 -0.57 0.00	98.07 -1.70 0.00	96.23 -1.66 0.00	95.10 -2.14 0.00	79.86 -1.30 0.00	87.90 -2.16 0.00	77.77 -2.08 0.00	69.12 -2.06 0.00	68.93 -2.13 0.00	69.22 -1.92 0.00	77.10 -1.82 0.00	95.00 -2.04 0.00	95.88 -1.56 0.00	97.66 -1.49 0.00	96.36 -0.97 0.00	96.56 -0.68 0.00	96.94 0.19 0.00	97.03 0.19 0.00	98.82 1.46 0.00
NEG NORTH_KES_CHATEGAY 23792	73.72 -1.12 0.00	70.81 -1.22 0.00	72.31 -1.40 0.00	73.65 -1.66 0.00	75.42 -1.62 0.00	92.50 -1.79 0.00	97.37 -2.39 0.00	95.45 -2.45 0.00	94.52 -2.72 0.00	79.29 -1.87 0.00	87.44 -2.61 0.00	77.29 -2.55 0.00	68.76 -2.42 0.00	68.65 -2.42 0.00	68.86 -2.28 0.00	76.71 -2.21 0.00	94.52 -2.52 0.00	95.30 -2.14 0.00	97.07 -2.08 0.00	95.78 -1.56 0.00	95.98 -1.26 0.00	96.36 -0.39 0.00	96.45 -0.39 0.00	97.55 0.19 0.00
NEG NORTH___ALICE_FALLS 23915	75.07 0.22 0.00	72.10 0.07 0.00	73.64 -0.07 0.00	75.00 -0.30 0.00	76.81 -0.23 0.00	94.10 -0.19 0.00	98.86 -0.90 0.00	97.02 -0.88 0.00	95.78 -1.46 0.00	80.35 -0.81 0.00	88.53 -1.53 0.00	78.32 -1.52 0.00	69.69 -1.49 0.00	69.57 -1.49 0.00	69.79 -1.35 0.00	77.73 -1.18 0.00	95.68 -1.36 0.00	96.66 -0.78 0.00	98.46 -0.69 0.00	97.14 -0.19 0.00	97.24 0.00 0.00	97.62 0.87 0.00	97.71 0.87 0.00	99.11 1.75 0.00
NEG NORTH___LWR_SARANAC 23913	75.07 0.22 0.00	72.10 0.07 0.00	73.64 -0.07 0.00	75.00 -0.30 0.00	76.81 -0.23 0.00	94.10 -0.19 0.00	98.86 -0.90 0.00	97.02 -0.88 0.00	95.78 -1.46 0.00	80.35 -0.81 0.00	88.53 -1.53 0.00	78.32 -1.52 0.00	69.69 -1.49 0.00	69.57 -1.49 0.00	69.79 -1.35 0.00	77.73 -1.18 0.00	95.68 -1.36 0.00	96.66 -0.78 0.00	98.46 -0.69 0.00	97.14 -0.19 0.00	97.24 0.00 0.00	97.62 0.87 0.00	97.71 0.87 0.00	99.11 1.75 0.00
NEG NORTH___PLATTSBURG 23628	75.07 0.23 0.00	72.10 0.07 0.00	73.64 -0.07 0.00	75.00 -0.30 0.00	76.81 -0.23 0.00	94.10 -0.19 0.00	98.27 -1.49 0.00	97.01 -0.88 0.00	95.68 -1.56 0.00	80.35 -0.81 0.00	88.52 -1.53 0.00	78.32 -1.52 0.00	69.83 -1.35 0.00	69.50 -1.56 0.00	69.79 -1.35 0.00	77.73 -1.18 0.00	95.68 -1.36 0.00	96.66 -0.78 0.00	98.46 -0.69 0.00	97.14 -0.19 0.00	97.24 0.00 0.00	97.71 0.97 0.00	97.52 0.68 0.00	99.11 1.75 0.00
NEG WEST_LEA_LOCKPORT 23791	75.51 -6.06 -6.73	71.87 -5.47 -5.32	71.83 -5.31 -3.43	71.97 -5.42 -2.08	75.53 -5.70 -4.20	90.22 -8.01 -3.94	99.69 -8.38 -8.30	105.41 -8.71 -16.23	97.36 -10.02 -10.14	85.15 -8.52 -12.51	88.52 -8.65 -7.11	79.84 -7.27 -7.27	73.30 -6.41 -8.52	72.52 -6.68 -8.14	73.37 -6.90 -9.13	80.06 -8.05 -9.19	96.37 -10.19 -9.52	102.01 -9.26 -13.83	101.83 -9.22 -11.90	98.91 -9.54 -11.12	96.85 -9.72 -9.34	92.07 -10.45 -5.77	90.58 -10.07 -3.82	91.27 -8.37 -2.28
NEG WEST___LANCASTER 23811	75.59 -6.96 -7.71	71.71 -6.41 -6.09	71.37 -6.27 -3.93	71.21 -6.48 -2.39	75.22 -6.63 -4.81	89.76 -9.05 -4.52	100.20 -9.08 -9.51	107.42 -9.01 -18.53	98.80 -10.02 -11.57	86.92 -8.52 -14.28	89.35 -8.83 -8.12	80.63 -7.51 -8.29	74.29 -6.62 -9.73	73.54 -6.82 -9.29	74.52 -7.04 -10.42	81.36 -8.05 -10.49	97.91 -10.00 -10.86	104.38 -8.87 -15.80	103.91 -8.82 -13.58	100.90 -9.15 -12.71	98.47 -9.43 -10.66	93.17 -10.16 -6.59	91.13 -10.07 -4.36	91.11 -8.86 -2.61
NEG_PENN_ALLEGHNY 23528	88.89 -0.15 -14.19	84.23 -0.07 -12.27	82.39 0.00 -8.68	82.07 0.00 -6.76	86.74 0.00 -9.70	101.88 -0.19 -7.78	119.72 0.70 -19.25	130.46 0.49 -32.08	120.06 0.19 -22.63	105.54 -0.32 -24.70	103.92 -0.18 -14.04	94.03 -0.16 -14.35	87.65 -0.35 -16.82	86.85 -0.28 -16.07	88.88 -0.28 -18.02	96.83 -0.24 -18.15	115.75 -0.10 -18.81	125.32 0.39 -27.48	125.08 0.60 -25.33	119.85 0.29 -22.22	115.85 0.19 -18.41	107.64 -0.48 -11.38	103.98 -0.39 -7.53	102.85 -0.48 -5.98
NEG___GEN_MONROE 24207	77.90 -2.69 -5.75	74.34 -2.23 -4.54	74.50 -2.14 -2.93	74.97 -2.11 -1.78	78.39 -2.23 -3.59	94.64 -3.02 -3.37	103.66 -3.19 -7.09	108.47 -3.33 -13.90	101.65 -4.28 -8.68	87.74 -4.14 -10.72	92.19 -3.96 -6.09	82.63 -3.43 -6.22	75.35 -3.13 -7.30	74.63 -3.41 -6.97	75.62 -3.34 -7.82	82.84 -3.95 -7.87	100.34 -4.85 -8.15	105.08 -4.19 -11.83	105.58 -3.77 -10.19	102.75 -4.09 -9.50	100.86 -4.38 -8.00	96.56 -5.13 -4.94	95.17 -4.94 -3.27	95.51 -3.80 -1.95



NEPA__ENERGY 23901	77.77 -4.42 -7.34	73.94 -3.89 -5.80	73.76 -3.69 -3.74	73.81 -3.77 -2.27	77.68 -3.93 -4.58	92.75 -5.85 -4.30	103.23 -5.59 -9.06	109.77 -5.78 -17.65	101.26 -7.00 -11.03	88.76 -6.01 -13.61	91.94 -5.85 -7.73	83.03 -4.71 -7.90	76.32 -4.13 -9.27	75.51 -4.41 -8.85	76.45 -4.62 -9.93	83.47 -5.45 -10.00	100.50 -6.89 -10.35	106.84 -5.65 -15.05	106.64 -5.45 -12.94	103.50 -5.94 -12.11	101.17 -6.22 -10.15	95.96 -7.06 -6.28	94.11 -6.88 -4.15	94.49 -5.35 -2.48
NEVERSINK__HYD 23608	116.93 4.19 -37.90	108.33 4.03 -32.27	100.35 4.13 -22.51	96.48 4.21 -16.96	106.94 4.39 -25.52	120.78 5.47 -21.02	156.74 6.39 -50.59	190.35 5.87 -86.58	164.44 6.62 -60.58	154.10 5.27 -67.67	134.11 5.59 -38.47	124.18 5.03 -39.30	121.69 4.41 -46.09	119.58 4.48 -44.04	125.01 4.48 -49.38	133.61 4.97 -49.72	154.02 6.22 -50.76	177.54 6.53 -73.57	173.43 6.75 -67.53	162.71 6.32 -59.05	153.32 6.32 -49.77	133.21 5.71 -30.75	122.89 5.71 -20.34	117.94 5.16 -15.43
NEWKRMKL_115KV_TB1 55635	139.22 2.84 -61.53	137.74 2.88 -62.83	127.66 3.02 -50.92	129.37 3.09 -50.98	129.99 3.08 -49.87	126.92 3.87 -28.77	202.72 3.69 -99.27	219.97 3.62 -118.45	210.22 3.89 -109.09	175.64 3.25 -91.23	145.88 3.96 -51.86	136.50 3.67 -52.98	136.45 3.13 -62.14	133.49 3.06 -59.37	140.63 2.92 -66.57	149.18 3.24 -67.03	170.37 3.88 -69.45	212.61 4.09 -111.08	215.27 4.16 -111.96	196.86 3.99 -95.54	169.24 3.89 -68.11	142.71 3.87 -42.09	128.94 4.26 -27.84	137.88 4.09 -36.44
NEWTON__FALLS_HYD 23847	77.80 1.65 -1.30	74.43 1.37 -1.03	75.70 1.33 -0.66	77.14 1.43 -0.40	79.31 1.46 -0.81	96.85 1.79 -0.76	103.47 2.10 -1.61	102.99 1.96 -3.13	100.46 1.26 -1.95	84.54 0.97 -2.41	92.42 0.99 -1.37	82.36 1.12 -1.40	73.82 1.00 -1.64	73.56 0.92 -1.57	73.83 0.92 -1.76	81.40 0.71 -1.77	99.75 0.87 -1.84	100.37 0.49 -2.44	101.74 0.30 -2.29	99.45 0.29 -1.82	99.33 0.29 -1.80	98.44 0.58 -1.11	98.64 1.07 -0.74	98.85 1.07 -0.42
NGRID_A1_DSASP 323792	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	101.12 -7.08 -8.43	105.18 -9.21 -16.49	97.61 -9.92 -10.29	85.09 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	72.57 -7.26 -8.65	72.29 -7.04 -8.26	73.15 -7.26 -9.27	79.80 -8.44 -9.33	95.93 -10.77 -9.67	101.61 -9.84 -14.01	101.38 -9.82 -12.05	98.47 -10.13 -11.26	96.38 -10.31 -9.45	91.65 -10.93 -5.84	90.54 -10.17 -3.86	91.11 -8.57 -2.32
NGRID_A2_DSASP 323793	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	101.12 -7.08 -8.43	105.18 -9.21 -16.49	97.61 -9.92 -10.29	85.09 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	72.57 -7.26 -8.65	72.29 -7.04 -8.26	73.15 -7.26 -9.27	79.80 -8.44 -9.33	95.93 -10.77 -9.67	101.61 -9.84 -14.01	101.38 -9.82 -12.05	98.47 -10.13 -11.26	96.38 -10.31 -9.45	91.65 -10.93 -5.84	90.54 -10.17 -3.86	91.11 -8.57 -2.32
NGRID_A4_DSASP 323807	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	101.12 -7.08 -8.43	105.18 -9.21 -16.49	97.61 -9.92 -10.29	85.09 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	72.57 -7.26 -8.65	72.29 -7.04 -8.26	73.15 -7.26 -9.27	79.80 -8.44 -9.33	95.93 -10.77 -9.67	101.61 -9.84 -14.01	101.38 -9.82 -12.05	98.47 -10.13 -11.26	96.38 -10.31 -9.45	91.65 -10.93 -5.84	90.54 -10.17 -3.86	91.11 -8.57 -2.32
NIAGARA_115E_LBMP 323715	75.03 -6.66 -6.85	71.47 -5.98 -5.41	71.37 -5.82 -3.49	71.40 -6.03 -2.12	74.99 -6.32 -4.27	89.63 -8.67 -4.01	100.54 -7.68 -8.45	104.73 -9.69 -16.52	97.05 -10.50 -10.31	84.63 -9.25 -12.72	87.84 -9.45 -7.23	79.25 -7.98 -7.39	72.16 -7.69 -8.67	71.95 -7.39 -8.28	72.82 -7.61 -9.29	79.43 -8.84 -9.35	95.57 -11.16 -9.69	101.14 -10.33 -14.03	101.01 -10.21 -12.07	98.10 -10.51 -11.28	96.02 -10.70 -9.47	91.18 -11.42 -5.85	90.06 -10.65 -3.87	90.52 -9.16 -2.32
NIAGARA_115W_LBMP 323714	75.54 -6.14 -6.83	72.02 -5.40 -5.39	71.96 -5.23 -3.48	72.07 -5.34 -2.11	75.59 -5.70 -4.26	90.28 -8.02 -4.00	100.91 -7.28 -8.42	104.97 -9.40 -16.47	97.40 -10.12 -10.28	84.92 -8.93 -12.68	88.17 -9.09 -7.21	79.54 -7.67 -7.37	72.42 -7.40 -8.64	72.14 -7.17 -8.25	73.07 -7.33 -9.26	79.71 -8.52 -9.32	95.83 -10.87 -9.66	101.40 -10.03 -13.99	101.17 -10.01 -12.03	98.26 -10.32 -11.25	96.28 -10.40 -9.44	91.46 -11.12 -5.84	90.34 -10.36 -3.86	90.91 -8.76 -2.31
NIAGARA_230_LBMP 323716	75.91 -5.69 -6.75	72.33 -5.04 -5.34	72.21 -4.94 -3.44	72.35 -5.04 -2.09	75.94 -5.31 -4.21	90.80 -7.45 -3.96	101.82 -6.28 -8.34	105.88 -8.32 -16.30	98.37 -9.04 -10.17	85.60 -8.12 -12.56	89.09 -8.10 -7.14	80.27 -6.87 -7.29	73.04 -6.69 -8.55	72.84 -6.40 -8.17	73.69 -6.61 -9.16	80.49 -7.65 -9.22	96.80 -9.80 -9.56	102.32 -8.96 -13.85	102.14 -8.92 -11.91	99.22 -9.25 -11.13	97.25 -9.34 -9.35	92.46 -10.06 -5.78	91.36 -9.30 -3.82	91.77 -7.88 -2.29
NIAGARA__115KV_198_GIBSON 55903	75.53 -6.14 -6.83	72.02 -5.40 -5.39	71.95 -5.23 -3.48	72.07 -5.35 -2.11	75.59 -5.70 -4.26	90.28 -8.01 -4.00	99.31 -8.88 -8.42	104.96 -9.40 -16.46	97.02 -10.50 -10.28	84.92 -8.93 -12.69	88.17 -9.10 -7.21	79.54 -7.66 -7.37	73.06 -6.76 -8.64	72.21 -7.11 -8.26	73.07 -7.33 -9.26	79.71 -8.52 -9.32	95.82 -10.87 -9.65	101.43 -10.04 -14.03	101.20 -10.01 -12.06	98.29 -10.32 -11.28	96.30 -10.40 -9.47	91.47 -11.13 -5.85	90.06 -10.65 -3.87	90.91 -8.76 -2.31
NIAGARA____ 23760	76.00 -5.69 -6.84	72.39 -5.04 -5.41	72.26 -4.94 -3.49	72.38 -5.04 -2.12	75.99 -5.31 -4.27	90.85 -7.45 -4.01	101.91 -6.28 -8.43	106.00 -8.32 -16.43	98.45 -9.04 -10.25	85.70 -8.12 -12.65	89.15 -8.10 -7.19	80.33 -6.87 -7.35	73.11 -6.69 -8.62	72.91 -6.40 -8.24	73.77 -6.61 -9.24	80.56 -7.65 -9.30	96.86 -9.80 -9.62	102.41 -8.96 -13.93	102.21 -8.92 -11.98	99.29 -9.25 -11.20	97.31 -9.34 -9.41	92.50 -10.06 -5.82	91.40 -9.30 -3.85	91.79 -7.88 -2.32
NINE_MILE_1 23575	75.06 -3.00 -3.21	71.76 -2.81 -2.54	72.47 -2.88 -1.64	73.36 -2.94 -0.99	76.03 -3.01 -2.00	92.49 -3.68 -1.88	100.33 -3.39 -3.96	102.11 -3.52 -7.74	98.37 -3.70 -4.83	83.79 -3.33 -5.96	89.84 -3.61 -3.39	80.11 -3.20 -3.46	72.32 -2.92 -4.06	72.02 -2.92 -3.88	72.64 -2.85 -4.35	80.13 -3.16 -4.38	97.69 -3.88 -4.54	99.87 -3.60 -6.03	101.26 -3.57 -5.67	98.14 -3.70 -4.50	98.00 -3.70 -4.45	95.44 -4.06 -2.75	94.69 -3.97 -1.82	94.45 -4.00 -1.09
NINE_MILE_2 23744	75.05 -3.00 -3.20	71.75 -2.81 -2.53	72.47 -2.88 -1.63	73.43 -2.86 -0.99	76.03 -3.01 -2.00	92.49 -3.68 -1.88	100.32 -3.39 -3.95	102.09 -3.52 -7.72	98.36 -3.70 -4.82	83.77 -3.33 -5.94	89.83 -3.61 -3.38	80.10 -3.20 -3.45	72.31 -2.92 -4.05	72.01 -2.92 -3.87	72.63 -2.85 -4.34	80.12 -3.16 -4.37	97.78 -3.79 -4.53	99.85 -3.60 -6.01	101.25 -3.57 -5.66	98.13 -3.70 -4.49	97.99 -3.70 -4.44	95.43 -4.06 -2.74	94.68 -3.97 -1.82	94.45 -4.00 -1.09
NM_CAPITAL__DRP 24208	139.76 3.14 -61.77	138.47 3.10 -63.34	128.45 3.24 -51.50	130.41 3.31 -51.79	130.64 3.31 -50.29	127.18 4.15 -28.74	203.95 4.09 -100.10	220.24 4.01 -118.33	211.34 4.28 -109.82	175.79 3.49 -91.14	146.10 4.23 -51.81	136.69 3.91 -52.93	136.60 3.35 -62.08	133.64 3.27 -59.31	140.85 3.20 -66.51	149.43 3.55 -66.96	170.69 4.27 -69.38	213.11 4.38 -111.29	216.16 4.56 -112.45	197.62 4.38 -95.90	169.56 4.28 -68.05	143.05 4.26 -42.05	129.20 4.55 -27.81	138.61 4.38 -36.87



NM_CENTRAL___DRP 24181	77.49 -1.65 -4.30	73.91 -1.51 -3.39	74.35 -1.55 -2.19	75.05 -1.58 -1.33	78.10 -1.62 -2.68	94.73 -2.07 -2.52	103.37 -1.70 -5.30	107.15 -1.08 -10.33	102.45 -1.36 -6.57	87.72 -1.54 -8.10	93.13 -1.53 -4.61	83.11 -1.44 -4.71	75.42 -1.28 -5.52	74.99 -1.35 -5.27	75.70 -1.35 -5.91	83.45 -1.42 -5.95	101.16 -1.94 -6.06	104.07 -1.56 -8.19	105.37 -1.49 -7.71	101.79 -1.65 -6.11	101.44 -1.85 -6.05	98.16 -2.32 -3.74	96.89 -2.42 -2.47	96.38 -2.43 -1.46
NM_FRONTIER___DRP 24179	75.53 -6.14 -6.83	72.02 -5.40 -5.39	71.95 -5.23 -3.48	72.07 -5.35 -2.11	75.59 -5.70 -4.26	90.28 -8.01 -4.00	99.31 -8.88 -8.42	104.96 -9.40 -16.46	97.02 -10.50 -10.28	84.92 -8.93 -12.69	88.17 -9.10 -7.21	79.54 -7.66 -7.37	73.06 -6.76 -8.64	72.21 -7.11 -8.26	73.07 -7.33 -9.26	79.71 -8.52 -9.32	95.82 -10.87 -9.65	101.43 -10.04 -14.03	101.20 -10.01 -12.06	98.29 -10.32 -11.28	96.30 -10.40 -9.47	91.47 -11.13 -5.85	90.06 -10.65 -3.87	90.91 -8.76 -2.31
NM_ST_REGIS___HYD 24053	78.23 2.62 -0.76	75.01 2.38 -0.60	76.46 2.36 -0.39	77.95 2.41 -0.24	79.98 2.47 -0.48	97.47 2.73 -0.45	103.60 2.89 -0.94	101.98 2.25 -1.84	99.46 1.07 -1.14	83.87 1.30 -1.41	92.48 1.62 -0.80	82.66 2.00 -0.82	73.99 1.85 -0.96	73.83 1.85 -0.92	73.88 1.71 -1.03	81.14 1.18 -1.04	98.99 0.87 -1.08	97.11 -1.75 -1.43	98.41 -2.08 -1.34	96.65 -1.75 -1.07	96.74 -1.56 -1.05	96.82 -0.58 -0.65	97.46 0.19 -0.43	97.75 0.39 0.00
NORTHPORT___1 23551	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	116.93 7.16 -34.47	116.96 7.32 -32.60	141.28 9.05 -37.94	186.32 8.98 -77.57	214.45 9.20 -107.35	193.13 8.85 -87.04	163.42 7.31 -74.96	152.93 7.93 -54.95	150.47 7.03 -63.60	148.05 6.33 -70.53	146.93 6.89 -68.98	151.10 6.76 -73.19	157.69 7.02 -71.76	166.01 9.90 -59.06	206.00 8.96 -99.60	212.41 8.93 -104.33	186.40 9.05 -80.01	167.10 8.65 -61.20	148.12 8.41 -42.96	140.75 9.50 -34.42	140.71 8.77 -34.59
NORTHPORT___2 23552	131.93 7.19 -49.89	116.86 6.85 -37.98	112.86 7.01 -32.14	116.93 7.16 -34.47	116.96 7.32 -32.60	141.28 9.05 -37.94	186.32 8.98 -77.57	214.45 9.20 -107.35	193.13 8.85 -87.04	163.42 7.31 -74.96	152.93 7.93 -54.95	150.47 7.03 -63.60	148.05 6.33 -70.53	146.93 6.89 -68.98	151.10 6.76 -73.19	157.69 7.02 -71.76	166.01 9.90 -59.06	206.00 8.96 -99.60	212.41 8.93 -104.33	186.40 9.05 -80.01	167.10 8.65 -61.20	148.12 8.41 -42.96	140.75 9.50 -34.42	140.71 8.77 -34.59
NORTHPORT___3 23553	130.50 5.76 -49.89	115.48 5.47 -37.98	111.45 5.60 -32.14	115.49 5.72 -34.47	115.57 5.93 -32.60	139.39 7.16 -37.94	186.11 8.78 -77.56	213.27 8.03 -107.34	188.81 9.72 -81.85	160.37 7.14 -72.07	150.32 8.83 -51.43	148.66 8.30 -60.52	148.89 7.19 -70.52	146.44 6.40 -68.97	150.87 6.54 -73.19	152.57 7.81 -65.84	163.47 7.37 -59.06	206.77 10.23 -99.10	213.11 10.31 -103.64	186.59 9.25 -80.01	167.07 9.72 -60.11	148.56 9.58 -42.24	139.39 8.14 -34.41	139.34 7.40 -34.58
NORTHPORT___4 23650	130.50 5.76 -49.89	115.48 5.47 -37.98	111.45 5.60 -32.14	115.49 5.72 -34.47	115.57 5.93 -32.60	139.39 7.16 -37.94	186.11 8.78 -77.56	213.27 8.03 -107.34	188.81 9.72 -81.85	160.37 7.14 -72.07	150.32 8.83 -51.43	148.66 8.30 -60.52	148.89 7.19 -70.52	146.44 6.40 -68.97	150.87 6.54 -73.19	152.57 7.81 -65.84	163.47 7.37 -59.06	206.77 10.23 -99.10	213.11 10.31 -103.64	186.59 9.25 -80.01	167.07 9.72 -60.11	148.56 9.58 -42.24	139.39 8.14 -34.41	139.34 7.40 -34.58
NORTHPORT___IC 23718	131.85 7.11 -49.89	116.85 6.84 -37.98	112.85 7.00 -32.14	116.92 7.15 -34.47	116.96 7.32 -32.60	141.28 9.05 -37.94	186.21 8.88 -77.57	214.45 9.20 -107.35	193.15 8.85 -87.06	163.45 7.30 -74.99	152.94 7.92 -54.96	150.48 7.03 -63.62	148.14 6.41 -70.55	146.88 6.82 -69.00	151.11 6.76 -73.21	157.64 6.94 -71.78	166.10 10.00 -59.06	205.98 8.96 -99.58	212.48 9.02 -104.31	186.38 9.05 -80.00	167.08 8.65 -61.19	148.01 8.32 -42.95	140.64 9.39 -34.41	140.71 8.76 -34.59
NORTH___COUNTRY_ESR 323785	73.42 -1.42 0.00	70.59 -1.44 0.00	72.02 -1.69 0.00	73.42 -1.88 0.00	75.19 -1.85 0.00	92.22 -2.07 0.00	96.37 -3.39 0.00	95.05 -2.84 0.00	94.13 -3.12 0.00	79.05 -2.11 0.00	87.17 -2.89 0.00	77.13 -2.71 0.00	68.69 -2.49 0.00	68.51 -2.56 0.00	68.72 -2.42 0.00	76.47 -2.45 0.00	94.22 -2.82 0.00	94.91 -2.53 0.00	96.68 -2.47 0.00	95.39 -1.95 0.00	95.59 -1.65 0.00	96.07 -0.67 0.00	96.06 -0.78 0.00	97.26 -0.10 0.00
NPX_GEN_1385_PROXY 323591	134.02 9.28 -49.89	129.00 8.86 -48.11	127.80 9.06 -45.03	129.00 9.34 -44.36	134.00 9.55 -47.41	146.90 11.69 -40.92	188.90 11.57 -77.57	216.11 10.87 -107.35	193.52 9.24 -87.04	162.94 6.82 -74.96	152.29 7.29 -54.95	149.27 5.83 -63.60	146.62 4.91 -70.53	145.59 5.55 -68.98	150.31 5.98 -73.19	157.30 6.63 -71.76	165.90 9.80 -59.06	205.32 8.28 -99.60	211.22 7.74 -104.33	186.20 8.86 -80.01	166.90 8.46 -61.20	148.31 8.61 -42.96	140.75 9.50 -34.42	141.00 9.06 -34.59
NPX_GEN_CSC 323557	132.38 7.64 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.53 7.76 -34.47	117.65 8.01 -32.60	142.22 9.99 -37.94	188.21 10.78 -77.67	216.21 10.87 -107.45	273.66 10.98 -165.43	208.68 8.93 -118.59	208.05 10.00 -108.00	198.88 8.86 -110.17	149.71 7.90 -70.63	148.17 8.03 -69.08	152.47 8.04 -73.29	248.66 8.60 -161.14	166.53 10.39 -59.10	215.35 10.72 -107.19	224.55 10.71 -114.69	188.06 10.61 -80.11	185.50 10.51 -77.75	161.03 10.45 -53.83	142.14 10.84 -34.46	142.11 10.12 -34.63
NSINS_S___GLNS_FALLS 23858	153.80 6.59 -72.37	160.52 6.34 -82.15	151.39 6.41 -71.27	160.37 6.55 -78.52	149.16 6.78 -65.34	130.19 6.32 -29.59	237.25 7.18 -130.31	226.77 7.05 -121.83	242.16 7.10 -137.82	180.84 5.84 -93.83	149.97 6.57 -53.34	139.61 5.27 -54.50	139.72 4.63 -63.91	136.53 4.41 -61.06	143.95 4.34 -68.47	152.83 4.97 -68.94	174.78 6.31 -71.43	228.27 6.82 -124.00	239.57 6.94 -133.48	216.25 6.81 -112.10	173.90 6.61 -70.05	146.52 6.48 -43.29	131.96 6.49 -28.63	157.31 8.08 -51.87
NUCOR_STEEL___DRP 24197	79.93 -0.52 -5.61	75.96 -0.50 -4.43	76.13 -0.44 -2.86	76.59 -0.45 -1.74	80.07 -0.46 -3.50	96.82 -0.75 -3.29	106.59 -0.10 -6.92	111.92 0.29 -13.73	105.69 -0.19 -8.64	91.18 -0.65 -10.67	95.58 -0.54 -6.06	85.48 -0.56 -6.20	77.88 -0.57 -7.27	77.30 -0.71 -6.94	78.36 -0.57 -7.78	86.20 -0.55 -7.84	104.51 -0.58 -8.05	109.03 -0.19 -11.78	109.30 0.00 -10.15	106.51 -0.29 -9.46	104.81 -0.39 -7.96	100.60 -1.06 -4.92	98.93 -1.16 -3.25	98.10 -1.17 -1.91
NUMBER_THREE_WT_PWR 323818	79.39 2.84 -1.70	75.83 2.45 -1.34	77.08 2.51 -0.87	78.39 2.56 -0.53	80.79 2.69 -1.06	98.78 3.49 -1.00	105.95 4.09 -2.10	106.59 4.60 -4.10	103.79 3.99 -2.56	87.23 2.92 -3.15	94.82 2.97 -1.79	84.30 2.63 -1.83	75.68 2.35 -2.15	75.39 2.27 -2.05	75.72 2.28 -2.30	83.76 2.52 -2.32	103.03 3.59 -2.40	104.39 3.80 -3.15	105.98 3.86 -2.96	103.29 3.60 -2.35	103.06 3.50 -2.33	101.28 3.10 -1.44	100.89 3.10 -0.95	100.95 3.02 -0.57
NYISO_LBMP_REFERENCE 24008	74.85 0.00 0.00	72.03 0.00 0.00	73.71 0.00 0.00	75.30 0.00 0.00	77.04 0.00 0.00	94.29 0.00 0.00	99.76 0.00 0.00	97.90 0.00 0.00	97.24 0.00 0.00	81.16 0.00 0.00	90.06 0.00 0.00	79.84 0.00 0.00	71.18 0.00 0.00	71.06 0.00 0.00	71.14 0.00 0.00	78.92 0.00 0.00	97.04 0.00 0.00	97.44 0.00 0.00	99.15 0.00 0.00	97.34 0.00 0.00	97.24 0.00 0.00	96.74 0.00 0.00	96.84 0.00 0.00	97.36 0.00 0.00



NYPA_BRENTWD____GT 24164	132.97	117.86	113.81	117.98	118.11	142.69	186.72	214.86	201.69	168.24	159.00	155.73	148.70	147.37	151.60	167.28	168.24	207.93	214.72	187.29	169.72	149.87	141.72	141.98
	8.23	7.85	7.96	8.21	8.47	10.47	9.37	9.60	9.63	7.79	8.73	7.67	6.98	7.32	7.26	7.74	12.13	10.13	10.21	9.93	9.63	9.09	10.46	10.03
	-49.89	-37.98	-32.14	-34.47	-32.60	-37.94	-77.58	-107.36	-94.82	-79.29	-60.21	-68.22	-70.54	-68.99	-73.20	-80.63	-59.07	-100.35	-105.36	-80.02	-62.85	-44.04	-34.42	-34.59
NYPA_GOWANUS____GT5 24156	234.33	113.46	104.12	99.42	111.20	124.80	163.60	203.05	172.33	163.31	140.44	130.51	128.68	126.34	133.70	152.33	211.02	224.86	215.95	210.70	210.70	145.22	127.57	226.57
	5.91	5.47	5.53	5.65	5.78	6.79	7.58	7.73	8.46	7.14	7.75	7.10	6.41	6.47	6.41	6.95	8.83	8.96	9.22	8.57	8.46	8.22	7.84	6.81
	-153.57	-35.95	-24.88	-18.46	-28.38	-23.71	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-56.16	-66.47	-105.15	-118.46	-107.57	-104.80	-105.00	-40.26	-22.89	-122.39
NYPA_GOWANUS____GT6 24157	234.33	113.46	104.12	99.42	111.20	124.80	163.60	203.05	172.33	163.31	140.44	130.51	128.68	126.34	133.70	152.33	211.02	224.86	215.95	210.70	210.70	145.22	127.57	226.57
	5.91	5.47	5.53	5.65	5.78	6.79	7.58	7.73	8.46	7.14	7.75	7.10	6.41	6.47	6.41	6.95	8.83	8.96	9.22	8.57	8.46	8.22	7.84	6.81
	-153.57	-35.95	-24.88	-18.46	-28.38	-23.71	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-56.16	-66.47	-105.15	-118.46	-107.57	-104.80	-105.00	-40.26	-22.89	-122.39
NYPA_HARLEM__RVR__GT1 24160	122.30	113.12	103.97	99.19	110.97	123.98	162.81	202.37	171.46	162.57	139.72	129.95	128.10	125.76	131.77	140.25	161.92	187.98	182.73	171.04	160.92	139.00	127.09	121.19
	5.02	5.19	5.38	5.42	5.55	6.04	6.79	7.05	7.59	6.41	7.03	6.55	5.84	5.90	5.90	6.23	7.77	7.99	8.03	7.60	7.68	7.64	7.36	6.81
	-42.44	-35.90	-24.88	-18.46	-28.38	-23.65	-56.26	-97.43	-66.63	-75.00	-42.64	-43.56	-51.08	-48.80	-54.73	-55.10	-57.11	-82.54	-75.55	-66.11	-56.00	-34.61	-22.89	-17.02
NYPA_HARLEM__RVR__GT2 24161	122.30	113.12	103.97	99.19	110.97	123.98	162.81	202.37	171.46	162.57	139.72	129.95	128.10	125.76	131.77	140.25	161.92	187.98	182.73	171.04	160.92	139.00	127.09	121.19
	5.02	5.19	5.38	5.42	5.55	6.04	6.79	7.05	7.59	6.41	7.03	6.55	5.84	5.90	5.90	6.23	7.77	7.99	8.03	7.60	7.68	7.64	7.36	6.81
	-42.44	-35.90	-24.88	-18.46	-28.38	-23.65	-56.26	-97.43	-66.63	-75.00	-42.64	-43.56	-51.08	-48.80	-54.73	-55.10	-57.11	-82.54	-75.55	-66.11	-56.00	-34.61	-22.89	-17.02
NYPA_KENT____GT 24152	188.50	113.22	103.97	99.26	111.04	124.58	163.40	202.96	172.14	163.06	140.26	130.35	128.53	126.20	132.95	147.31	193.48	211.75	202.50	193.87	189.47	142.52	127.38	181.42
	5.62	5.26	5.38	5.49	5.62	6.60	7.38	7.64	8.26	6.89	7.57	6.94	6.27	6.32	6.26	6.79	8.44	8.67	8.82	8.27	8.17	7.93	7.65	6.71
	-108.04	-35.93	-24.88	-18.46	-28.38	-23.69	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-55.55	-61.61	-88.00	-105.64	-94.53	-88.26	-84.06	-37.84	-22.89	-77.35
NYPA_POUCH1____GT 24155	234.33	113.31	103.97	99.26	111.04	124.51	163.30	202.67	171.94	162.90	140.08	130.11	128.32	125.99	133.42	151.93	210.63	224.47	215.55	210.31	210.41	144.83	127.19	226.08
	5.91	5.33	5.38	5.49	5.62	6.50	7.28	7.35	8.07	6.73	7.39	6.71	6.05	6.11	6.12	6.55	8.44	8.58	8.82	8.18	8.17	7.83	7.46	6.32
	-153.57	-35.95	-24.88	-18.46	-28.38	-23.71	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-56.16	-66.47	-105.15	-118.46	-107.57	-104.80	-105.00	-40.26	-22.89	-122.39
NYPA_VERNON____GT2 24162	142.75	113.05	103.83	99.11	110.89	124.37	163.21	202.76	171.94	162.90	140.08	130.19	128.39	126.05	132.27	142.30	176.14	198.73	189.16	177.13	168.33	139.92	127.29	136.28
	5.39	5.11	5.23	5.35	5.47	6.41	7.19	7.44	8.07	6.73	7.39	6.78	6.12	6.18	6.19	6.63	8.24	8.47	8.53	8.07	7.98	7.74	7.56	6.62
	-62.51	-35.90	-24.88	-18.46	-28.38	-23.67	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-54.94	-56.76	-70.85	-92.82	-81.48	-71.72	-63.11	-35.43	-22.89	-32.30
NYPA_VERNON____GT3 24163	142.75	113.05	103.83	99.11	110.89	124.37	163.21	202.76	171.94	162.90	140.08	130.19	128.39	126.05	132.27	142.30	176.14	198.73	189.16	177.13	168.33	139.92	127.29	136.28
	5.39	5.11	5.23	5.35	5.47	6.41	7.19	7.44	8.07	6.73	7.39	6.78	6.12	6.18	6.19	6.63	8.24	8.47	8.53	8.07	7.98	7.74	7.56	6.62
	-62.51	-35.90	-24.88	-18.46	-28.38	-23.67	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-54.94	-56.76	-70.85	-92.82	-81.48	-71.72	-63.11	-35.43	-22.89	-32.30
NYPA__ASTORIA_CC1 323568	126.58	112.97	103.75	99.04	110.81	124.27	163.00	202.67	171.75	162.82	139.99	130.11	128.32	125.99	131.92	140.50	169.13	193.47	184.43	171.43	161.12	139.00	127.19	121.00
	5.31	5.04	5.16	5.27	5.39	6.32	6.98	7.35	7.87	6.66	7.29	6.71	6.05	6.11	6.04	6.47	8.15	8.38	8.42	7.98	7.87	7.64	7.46	6.62
	-46.42	-35.90	-24.88	-18.46	-28.38	-23.66	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-54.74	-55.11	-63.93	-87.64	-76.85	-66.11	-56.00	-34.61	-22.89	-17.02
NYPA__ASTORIA_CC2 323569	126.58	112.97	103.75	99.04	110.81	124.27	163.00	202.67	171.75	162.82	139.99	130.11	128.32	125.99	131.92	140.50	169.13	193.47	184.43	171.43	161.12	139.00	127.19	121.00
	5.31	5.04	5.16	5.27	5.39	6.32	6.98	7.35	7.87	6.66	7.29	6.71	6.05	6.11	6.04	6.47	8.15	8.38	8.42	7.98	7.87	7.64	7.46	6.62
	-46.42	-35.90	-24.88	-18.46	-28.38	-23.66	-56.26	-97.43	-66.64	-75.01	-42.64	-43.56	-51.09	-48.81	-54.74	-55.11	-63.93	-87.64	-76.85	-66.11	-56.00	-34.61	-22.89	-17.02
NYPA__HOLTSVILL 23794	131.93	116.86	112.86	117.00	117.04	141.47	187.31	215.23	272.72	207.88	207.16	198.09	149.08	147.60	151.90	248.05	166.43	214.86	224.15	187.48	184.82	160.16	141.28	141.24
	7.19	6.85	7.01	7.23	7.40	9.25	9.88	9.88	10.02	8.12	9.09	8.06	7.26	7.46	7.47	7.97	10.28	10.23	10.31	10.03	9.82	9.58	9.98	9.25
	-49.89	-37.98	-32.14	-34.47	-32.60	-37.94	-77.67	-107.45	-165.46	-118.61	-108.01	-110.19	-70.63	-69.08	-73.29	-161.17	-59.10	-107.19	-114.69	-80.11	-77.76	-53.84	-34.46	-34.63
NYPA____HELLGATE_GT1 24158	122.30	113.12	103.97	99.19	110.97	123.98	162.81	202.37	171.46	162.57	139.72	129.95	128.10	125.76	131.77	140.25	161.92	187.98	182.73	171.04	160.92	139.00	127.09	121.19
	5.02	5.19	5.38	5.42	5.55	6.04	6.79	7.05	7.59	6.41	7.03	6.55	5.84	5.90	5.90	6.23	7.77	7.99	8.03	7.60	7.68	7.64	7.36	6.81
	-42.44	-35.90	-24.88	-18.46	-28.38	-23.65	-56.26	-97.43	-66.63	-75.00	-42.64	-43.56	-51.08	-48.80	-54.73	-55.10	-57.11	-82.54	-75.55	-66.11	-56.00	-34.61	-22.89	-17.02
NYPA____HELLGATE_GT2 24159	122.30	113.12	103.97	99.19	110.97	123.98	162.81	202.37	171.46	162.57	139.72	129.95	128.10	125.76	131.77	140.25	161.92	187.98	182.73	171.04	160.92	139.00	127.09	121.19
	5.02	5.19	5.38	5.42	5.55	6.04	6.79	7.05	7.59	6.41	7.03	6.55	5.84	5.90	5.90	6.23	7.77	7.99	8.03	7.60	7.68	7.64	7.36	6.81
	-42.44	-35.90	-24.88	-18.46	-28.38	-23.65	-56.26	-97.43	-66.63	-75.00	-42.64	-43.56	-51.08	-48.80	-54.73	-55.10	-57.11	-82.54	-75.55	-66.11	-56.00	-34.61	-22.89	-17.02
NYS_BARGE__HYD 23848	75.69	72.13	72.03	72.18	75.74	90.57	101.53	105.61	98.07	85.39	88.84	80.03	72.88	72.68	73.52	80.31	96.60	102.27	102.11	99.19	97.15	92.30	91.23	91.64
	-5.84	-5.19	-5.09	-5.19	-5.47	-7.63	-6.48	-8.42	-9.24	-8.19	-8.28	-7.03	-6.76	-6.47	-6.69	-7.73	-9.90	-8.87	-8.82	-9.15	-9.34	-10.16	-9.39	-7.98
	-6.68	-5.28	-3.41	-2.07	-4.17	-3.92	-8.25	-16.14	-10.07	-12.42	-7.06	-7.22	-8.46	-8.09	-9.07	-9.13	-9.46	-13.70	-11.78	-11.01	-9.25	-5.71	-3.78	-2.27



OAK ORCHARD___HYD 24046	78.08 -2.47 -5.70	74.45 -2.09 -4.51	74.55 -2.06 -2.91	75.04 -2.03 -1.77	78.44 -2.16 -3.56	94.71 -2.92 -3.34	105.01 -1.79 -7.04	108.77 -2.93 -13.81	102.36 -3.50 -8.62	88.14 -3.65 -10.63	92.77 -3.33 -6.04	83.15 -2.87 -6.18	75.44 -2.99 -7.24	75.14 -2.84 -6.92	76.20 -2.70 -7.76	83.57 -3.16 -7.81	101.15 -3.98 -8.10	105.72 -3.41 -11.69	106.05 -3.18 -10.07	103.32 -3.41 -9.39	101.55 -3.60 -7.90	97.18 -4.45 -4.89	95.91 -4.16 -3.23	95.79 -3.50 -1.94
OAKDALE___35_KV_LOAD 356122	88.47 -0.52 -14.15	83.87 -0.43 -12.27	82.06 -0.37 -8.72	81.77 -0.38 -6.84	86.36 -0.39 -9.71	101.36 -0.66 -7.73	118.62 -0.40 -19.26	129.67 -0.10 -31.87	119.36 -0.49 -22.61	104.99 -0.73 -24.56	103.39 -0.63 -13.96	93.54 -0.56 -14.26	87.41 -0.50 -16.73	86.40 -0.64 -15.98	88.42 -0.64 -17.92	96.33 -0.63 -18.04	115.14 -0.58 -18.68	124.75 -0.10 -27.41	124.45 0.00 -25.29	119.24 -0.29 -22.19	115.18 -0.39 -18.33	107.20 -0.87 -11.33	103.36 -0.97 -7.49	102.39 -0.97 -6.01
OCC_CHEM___DRP 24175	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	99.52 -8.68 -8.43	105.17 -9.20 -16.48	97.13 -10.40 -10.29	85.10 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	73.21 -6.62 -8.65	72.36 -6.96 -8.26	73.22 -7.19 -9.27	79.88 -8.37 -9.33	96.03 -10.67 -9.66	101.64 -9.84 -14.04	101.41 -9.82 -12.08	98.50 -10.12 -11.29	96.51 -10.21 -9.48	91.67 -10.93 -5.86	90.26 -10.46 -3.87	91.11 -8.57 -2.32
OH_GEN_PROXY 24063	76.02 -5.61 -6.78	72.35 -5.04 -5.36	72.30 -4.87 -3.46	72.36 -5.04 -2.10	75.95 -5.31 -4.23	90.91 -7.35 -3.98	101.95 -6.19 -8.37	106.15 -8.12 -16.38	98.61 -8.85 -10.22	85.90 -7.87 -12.61	89.30 -7.93 -7.17	80.46 -6.71 -7.32	73.22 -6.55 -8.59	72.95 -6.32 -8.21	73.87 -6.47 -9.20	80.61 -7.58 -9.27	97.14 -9.51 -9.60	102.68 -8.67 -13.91	102.49 -8.63 -11.97	99.57 -8.95 -11.18	97.49 -9.14 -9.39	92.68 -9.87 -5.80	91.48 -9.20 -3.84	91.87 -7.79 -2.30
OLIN_CORP_DRP 24177	75.30 -6.44 -6.89	71.64 -5.83 -5.44	71.54 -5.68 -3.51	71.64 -5.80 -2.13	75.17 -6.16 -4.30	89.94 -8.39 -4.04	99.29 -8.98 -8.50	105.11 -9.40 -16.61	97.01 -10.60 -10.37	84.95 -9.01 -12.80	88.15 -9.19 -7.28	79.53 -7.74 -7.43	73.07 -6.83 -8.72	72.22 -7.18 -8.33	73.08 -7.40 -9.34	79.80 -8.52 -9.41	95.91 -10.87 -9.74	101.66 -9.94 -14.15	101.41 -9.92 -12.17	98.50 -10.22 -11.38	96.39 -10.40 -9.55	91.52 -11.13 -5.90	90.00 -10.75 -3.91	90.83 -8.86 -2.34
OLIN_CORP_DSASP 323712	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	101.12 -7.08 -8.43	105.18 -9.21 -16.49	97.61 -9.92 -10.29	85.09 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	72.57 -7.26 -8.65	72.29 -7.04 -8.26	73.15 -7.26 -9.27	79.80 -8.44 -9.33	95.93 -10.77 -9.67	101.61 -9.84 -14.01	101.38 -9.82 -12.05	98.47 -10.13 -11.26	96.38 -10.31 -9.45	91.65 -10.93 -5.84	90.54 -10.17 -3.86	91.11 -8.57 -2.32
ONEIDA_HERK_LFGE 323681	79.05 2.77 -1.43	75.68 2.52 -1.13	77.02 2.58 -0.73	78.38 2.63 -0.44	80.70 2.77 -0.89	98.62 3.49 -0.84	105.82 4.29 -1.77	105.87 4.51 -3.47	103.58 4.18 -2.17	86.99 3.16 -2.67	94.91 3.33 -1.52	84.26 2.87 -1.55	75.56 2.56 -1.82	75.29 2.49 -1.74	75.58 2.49 -1.95	83.72 2.84 -1.96	102.96 3.89 -2.04	104.20 4.09 -2.67	105.83 4.16 -2.51	103.22 3.90 -1.99	103.00 3.79 -1.97	101.35 3.38 -1.22	100.94 3.29 -0.81	101.15 3.31 -0.48
ONEIDA___115KV_TB4 55905	80.08 2.54 -2.69	76.61 2.45 -2.12	77.59 2.51 -1.37	78.70 2.56 -0.83	81.41 2.70 -1.68	99.26 3.39 -1.58	107.37 4.29 -3.32	109.07 4.70 -6.48	105.61 4.28 -4.09	89.38 3.17 -5.05	96.26 3.33 -2.87	85.57 2.79 -2.93	77.18 2.56 -3.44	76.77 2.42 -3.29	77.32 2.49 -3.69	85.47 2.84 -3.71	104.62 3.78 -3.80	106.64 4.09 -5.11	108.12 4.16 -4.80	104.94 3.80 -3.81	104.71 3.70 -3.77	102.17 3.10 -2.33	101.38 3.00 -1.54	101.29 3.02 -0.91
ONONDAGA_REF_OCCRA 23987	78.77 -1.20 -5.12	74.92 -1.15 -4.04	75.14 -1.18 -2.61	75.76 -1.13 -1.59	79.07 -1.16 -3.19	95.78 -1.51 -3.00	104.98 -1.10 -6.32	109.66 -0.69 -12.44	104.00 -1.07 -7.83	89.61 -1.22 -9.66	94.29 -1.26 -5.49	84.34 -1.12 -5.61	76.70 -1.07 -6.58	76.22 -1.14 -6.29	77.13 -1.07 -7.05	84.91 -1.10 -7.10	102.98 -1.36 -7.30	107.12 -0.97 -10.65	107.55 -0.79 -9.19	104.81 -1.07 -8.54	103.29 -1.17 -7.21	99.46 -1.74 -4.46	97.95 -1.84 -2.95	97.25 -1.85 -1.74
ONONDAGA___COGEN 23986	78.18 -1.50 -4.83	74.41 -1.44 -3.82	74.70 -1.47 -2.46	75.37 -1.43 -1.50	78.59 -1.46 -3.01	95.14 -1.98 -2.83	104.33 -1.40 -5.96	108.99 -0.98 -12.07	103.60 -1.26 -7.63	89.11 -1.46 -9.41	93.87 -1.53 -5.35	83.87 -1.44 -5.47	76.31 -1.28 -6.41	75.84 -1.35 -6.12	76.73 -1.28 -6.87	84.49 -1.34 -6.91	102.47 -1.65 -7.08	106.35 -1.46 -10.37	106.71 -1.39 -8.95	104.09 -1.56 -8.31	102.61 -1.65 -7.02	98.86 -2.23 -4.34	97.39 -2.32 -2.87	96.66 -2.34 -1.64
ONTARIO___LFGE 23819	80.69 -0.67 -6.52	76.61 -0.58 -5.15	76.52 -0.51 -3.32	76.87 -0.45 -2.02	80.65 -0.46 -4.07	96.51 -1.60 -3.82	108.11 0.30 -8.05	113.61 -0.20 -15.91	106.01 -1.16 -9.93	91.55 -1.86 -12.25	95.76 -1.26 -6.96	85.68 -1.28 -7.12	78.31 -1.21 -8.34	77.97 -1.06 -7.97	79.09 -1.00 -8.94	86.73 -1.18 -9.00	104.62 -1.74 -9.33	109.99 -0.88 -13.43	110.11 -0.59 -11.55	107.07 -1.07 -10.80	105.04 -1.27 -9.06	100.02 -2.32 -5.60	98.32 -2.22 -3.70	97.73 -1.85 -2.22
ORANGEVILLE_WT_PWR 323706	79.02 -4.34 -8.52	75.45 -3.89 -7.31	75.16 -3.68 -5.13	75.47 -3.76 -3.93	78.89 -3.93 -5.78	93.23 -5.75 -4.70	106.94 -4.29 -11.46	111.61 -5.68 -19.39	104.16 -6.62 -13.53	89.85 -6.25 -14.93	92.15 -6.39 -8.49	83.08 -5.43 -8.67	76.16 -5.19 -10.17	75.81 -4.98 -9.72	76.92 -5.12 -10.90	84.13 -5.76 -10.97	101.52 -6.89 -11.37	108.38 -5.55 -16.49	108.89 -5.45 -15.19	104.87 -5.74 -13.27	102.33 -6.03 -11.12	96.75 -6.87 -6.87	94.99 -6.39 -4.54	95.44 -5.45 -3.53
ORANGEVILLE___ESR 323794	79.02 -4.34 -8.52	75.45 -3.89 -7.31	75.16 -3.68 -5.13	75.47 -3.76 -3.93	78.89 -3.93 -5.78	93.23 -5.75 -4.70	106.94 -4.29 -11.46	111.61 -5.68 -19.39	104.16 -6.62 -13.53	89.85 -6.25 -14.93	92.15 -6.39 -8.49	83.08 -5.43 -8.67	76.16 -5.19 -10.17	75.81 -4.98 -9.72	76.92 -5.12 -10.90	84.13 -5.76 -10.97	101.52 -6.89 -11.37	108.38 -5.55 -16.49	108.89 -5.45 -15.19	104.87 -5.74 -13.27	102.33 -6.03 -11.12	96.75 -6.87 -6.87	94.99 -6.39 -4.54	95.44 -5.45 -3.53
OSWEGATCHIE___HYD 24044	77.79 1.64 -1.30	74.43 1.37 -1.03	75.70 1.33 -0.66	77.13 1.43 -0.40	79.31 1.46 -0.81	96.84 1.79 -0.76	102.37 1.00 -1.61	102.98 1.96 -3.13	100.37 1.17 -1.95	84.55 0.98 -2.41	92.42 0.99 -1.37	82.36 1.12 -1.40	73.89 1.07 -1.64	73.55 0.92 -1.57	73.82 0.92 -1.76	81.40 0.71 -1.77	99.75 0.87 -1.84	100.27 0.49 -2.34	101.65 0.30 -2.20	99.38 0.29 -1.75	99.26 0.29 -1.73	98.40 0.58 -1.07	98.51 0.97 -0.71	98.85 1.07 -0.42
OSWEGO___5 23606	76.04 -2.40 -3.59	72.56 -2.31 -2.84	73.25 -2.29 -1.83	74.08 -2.33 -1.11	76.89 -2.39 -2.24	93.37 -3.02 -2.10	101.60 -2.59 -4.43	103.83 -2.74 -8.68	99.74 -2.91 -5.41	85.16 -2.68 -6.68	90.97 -2.89 -3.80	81.16 -2.56 -3.88	73.38 -2.35 -4.55	73.07 -2.34 -4.35	73.67 -2.35 -4.88	81.30 -2.53 -4.91	99.02 -3.11 -5.09	101.35 -2.83 -6.74	102.72 -2.78 -6.34	99.45 -2.92 -5.03	99.20 -3.02 -4.98	96.53 -3.29 -3.08	95.58 -3.29 -2.03	95.27 -3.31 -1.22



OSWEGO___6 23613	76.04 -2.40 -3.59	72.56 -2.31 -2.84	73.25 -2.29 -1.83	74.08 -2.33 -1.11	76.89 -2.39 -2.24	93.37 -3.02 -2.10	101.60 -2.59 -4.43	103.83 -2.74 -8.68	99.74 -2.91 -5.41	85.16 -2.68 -6.68	90.97 -2.89 -3.80	81.16 -2.56 -3.88	73.38 -2.35 -4.55	73.07 -2.34 -4.35	73.67 -2.35 -4.88	81.30 -2.53 -4.91	99.02 -3.11 -5.09	101.35 -2.83 -6.74	102.72 -2.78 -6.34	99.45 -2.92 -5.03	99.20 -3.02 -4.98	96.53 -3.29 -3.08	95.58 -3.29 -2.03	95.27 -3.31 -1.22
OUTOKUMPU-AB___DRP 24206	76.47 -5.31 -6.93	72.83 -4.68 -5.48	72.75 -4.50 -3.53	72.78 -4.67 -2.15	76.43 -4.93 -4.33	91.28 -7.07 -4.07	100.94 -7.38 -8.56	106.88 -7.73 -16.71	98.73 -8.95 -10.44	86.41 -7.63 -12.88	89.73 -7.65 -7.32	80.94 -6.39 -7.48	74.33 -5.62 -8.77	73.55 -5.90 -8.38	74.42 -6.12 -9.40	81.20 -7.18 -9.47	97.62 -9.22 -9.80	103.60 -8.09 -14.25	103.37 -8.03 -12.25	100.42 -8.37 -11.45	98.20 -8.65 -9.61	93.30 -9.38 -5.94	91.76 -9.01 -3.93	92.50 -7.20 -2.35
OXBOW___BTM 323836	75.89 -5.84 -6.88	72.29 -5.19 -5.44	72.20 -5.01 -3.51	72.31 -5.12 -2.13	75.86 -5.47 -4.29	90.60 -7.73 -4.04	101.58 -6.68 -8.50	105.89 -8.62 -16.61	98.17 -9.43 -10.36	85.59 -8.36 -12.79	88.86 -8.47 -7.27	80.16 -7.11 -7.43	72.99 -6.90 -8.71	72.78 -6.61 -8.32	73.65 -6.83 -9.33	80.35 -7.97 -9.40	96.59 -10.19 -9.74	102.39 -9.16 -14.11	102.17 -9.12 -12.13	99.24 -9.44 -11.34	97.13 -9.63 -9.52	92.28 -10.35 -5.88	91.14 -9.59 -3.89	91.61 -8.08 -2.33
OXBOW____ 24026	75.89 -5.84 -6.88	72.29 -5.19 -5.44	72.21 -5.01 -3.51	72.31 -5.12 -2.13	75.86 -5.47 -4.29	90.59 -7.73 -4.04	99.98 -8.28 -8.50	105.88 -8.61 -16.60	97.79 -9.82 -10.37	85.59 -8.36 -12.79	88.86 -8.47 -7.27	80.17 -7.11 -7.43	73.63 -6.26 -8.71	72.78 -6.61 -8.32	73.65 -6.83 -9.34	80.34 -7.97 -9.40	96.68 -10.09 -9.73	102.43 -9.16 -14.14	102.20 -9.12 -12.17	99.27 -9.44 -11.37	97.16 -9.63 -9.55	92.29 -10.35 -5.90	90.77 -9.97 -3.90	91.61 -8.08 -2.33
OXY_CHEM_DSASP 323612	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	99.52 -8.68 -8.43	105.17 -9.20 -16.48	97.13 -10.40 -10.29	85.10 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	73.21 -6.62 -8.65	72.36 -6.96 -8.26	73.22 -7.19 -9.27	79.88 -8.37 -9.33	96.03 -10.67 -9.66	101.64 -9.84 -14.04	101.41 -9.82 -12.08	98.50 -10.12 -11.29	96.51 -10.21 -9.48	91.67 -10.93 -5.86	90.26 -10.46 -3.87	91.11 -8.57 -2.32
OZONE_PARK_ESR 323760	122.81 5.54 -42.43	113.18 5.26 -35.89	103.97 5.38 -24.88	99.19 5.42 -18.46	111.04 5.62 -28.38	124.74 6.79 -23.66	163.50 7.48 -56.25	203.14 7.83 -97.41	172.26 8.36 -66.65	163.25 7.06 -75.03	140.45 7.74 -42.65	130.44 7.03 -43.57	128.69 6.41 -51.10	126.28 6.40 -48.82	132.29 6.40 -54.75	140.91 6.87 -55.13	162.79 8.64 -57.11	188.83 8.87 -82.52	183.70 9.02 -75.53	171.90 8.47 -66.09	161.68 8.46 -55.98	139.56 8.22 -34.60	127.57 7.84 -22.88	121.38 7.01 -17.02
PACKARD_I15_KV_ADAMS_I87_REV_LBMP_A 345013	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	99.52 -8.68 -8.43	105.17 -9.20 -16.48	97.13 -10.40 -10.29	85.10 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	73.21 -6.62 -8.65	72.36 -6.96 -8.26	73.22 -7.19 -9.27	79.88 -8.37 -9.33	96.03 -10.67 -9.66	101.64 -9.84 -14.04	101.41 -9.82 -12.08	98.50 -10.12 -11.29	96.51 -10.21 -9.48	91.67 -10.93 -5.86	90.26 -10.46 -3.87	91.11 -8.57 -2.32
PACKARD__I15KV_DUPONT_I84 80571	75.69 -5.99 -6.83	72.10 -5.33 -5.40	72.11 -5.09 -3.48	72.15 -5.27 -2.12	75.68 -5.62 -4.26	90.38 -7.92 -4.01	99.52 -8.68 -8.43	105.17 -9.20 -16.48	97.13 -10.40 -10.29	85.10 -8.77 -12.70	88.36 -8.92 -7.22	79.71 -7.51 -7.38	73.21 -6.62 -8.65	72.36 -6.96 -8.26	73.22 -7.19 -9.27	79.88 -8.37 -9.33	96.03 -10.67 -9.66	101.64 -9.84 -14.04	101.41 -9.82 -12.08	98.50 -10.12 -11.29	96.51 -10.21 -9.48	91.67 -10.93 -5.86	90.26 -10.46 -3.87	91.11 -8.57 -2.32
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	122.30 5.01 -42.44	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.73 5.32 -28.38	123.89 5.94 -23.66	162.61 6.58 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.53 6.33 -75.04	139.64 6.93 -42.65	129.81 6.39 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.91 7.76 -57.11	187.86 7.89 -82.52	182.81 8.13 -75.53	171.03 7.59 -66.10	160.72 7.49 -55.99	138.89 7.55 -34.60	126.79 7.07 -22.88	120.90 6.52 -17.02
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	122.90 5.61 -42.44	113.62 5.69 -35.90	104.42 5.82 -24.88	99.71 5.95 -18.46	111.43 6.01 -28.38	124.64 6.69 -23.66	163.50 7.48 -56.26	203.15 7.83 -97.42	172.17 8.27 -66.66	163.17 6.98 -75.04	140.37 7.65 -42.65	130.45 7.03 -43.58	128.62 6.34 -51.11	126.15 6.25 -48.83	132.16 6.26 -54.76	140.67 6.63 -55.13	162.59 8.44 -57.11	188.64 8.67 -82.52	183.51 8.82 -75.53	171.71 8.27 -66.10	161.49 8.27 -55.99	139.66 8.32 -34.60	127.57 7.84 -22.88	121.78 7.40 -17.02
PATROON__I15KV_TB1 80586	141.11 3.07 -63.20	140.89 3.03 -65.83	130.97 3.17 -54.09	133.82 3.24 -55.28	132.55 3.24 -52.28	127.32 4.15 -28.88	207.84 3.99 -104.09	220.73 3.92 -118.91	214.96 4.18 -113.54	176.24 3.49 -91.59	146.35 4.23 -52.06	136.94 3.91 -53.19	136.91 3.35 -62.38	133.93 3.27 -59.60	141.11 3.13 -66.83	149.68 3.47 -67.29	170.93 4.17 -69.72	214.77 4.29 -113.04	218.79 4.36 -115.28	199.70 4.28 -98.08	169.80 4.18 -68.38	143.06 4.06 -42.26	129.24 4.45 -27.95	140.48 4.28 -38.84
PATTRSNVILLE__SOLAR 323815	153.81 3.82 -75.15	161.63 3.67 -85.92	152.33 3.76 -74.86	162.06 3.84 -82.92	149.31 3.93 -68.35	129.41 4.71 -30.40	241.58 5.48 -136.33	228.29 5.18 -125.20	246.23 5.15 -143.84	181.74 4.14 -96.44	149.38 4.50 -54.82	139.53 3.67 -56.01	140.28 3.42 -65.69	137.16 3.34 -62.76	144.86 3.34 -70.38	153.64 3.87 -70.86	175.39 4.95 -73.41	230.85 5.36 -128.05	243.32 5.45 -138.72	218.68 5.25 -116.09	174.46 5.25 -71.97	146.35 5.12 -44.48	131.29 5.03 -29.42	156.66 4.77 -54.53
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	76.34 -5.99 -7.48	72.47 -5.47 -5.91	72.14 -5.38 -3.81	72.12 -5.50 -2.32	76.00 -5.70 -4.66	90.75 -7.92 -4.38	101.11 -7.88 -9.23	108.06 -7.83 -17.99	99.53 -8.95 -11.24	87.40 -7.63 -13.87	90.19 -7.74 -7.88	81.35 -6.55 -8.05	74.86 -5.77 -9.45	74.05 -6.04 -9.02	75.00 -6.26 -10.12	81.92 -7.18 -10.19	98.66 -8.93 -10.55	104.89 -7.89 -15.34	104.61 -7.73 -13.19	101.60 -8.08 -12.34	99.23 -8.36 -10.35	93.95 -9.19 -6.40	92.06 -9.01 -4.23	92.20 -7.69 -2.53
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	123.26 5.46 -42.95	113.74 5.33 -36.38	104.33 5.38 -25.24	99.66 5.57 -18.78	111.50 5.70 -28.76	125.38 7.17 -23.93	164.96 8.18 -57.02	204.45 8.03 -98.53	173.22 8.46 -67.52	164.03 6.98 -75.89	140.85 7.65 -43.14	130.78 6.87 -44.07	128.99 6.12 -51.69	126.56 6.11 -49.38	132.64 6.12 -55.38	141.38 6.71 -55.76	163.25 8.44 -57.77	189.56 8.57 -83.54	184.38 8.73 -76.51	172.74 8.47 -66.93	162.25 8.36 -56.65	139.69 7.93 -35.01	127.84 7.84 -23.16	121.64 7.01 -17.27
PEEKSKILL____ 23653	120.75 4.19 -41.71	111.26 3.96 -35.27	102.20 4.05 -24.44	97.55 4.14 -18.11	109.16 4.23 -27.89	122.74 5.18 -23.27	161.02 5.99 -55.28	199.68 5.97 -95.82	169.14 6.42 -65.48	160.27 5.36 -73.76	137.83 5.85 -41.93	128.03 5.35 -42.84	126.19 4.77 -50.24	123.89 4.83 -48.00	129.80 4.84 -53.82	138.31 5.21 -54.19	159.82 6.60 -56.18	185.33 6.72 -81.17	180.26 6.84 -74.28	168.86 6.52 -65.00	158.73 6.42 -55.08	136.88 6.10 -34.04	125.46 6.10 -22.51	119.42 5.35 -16.71



PGE MADISON___WINDPWR 24146	95.65 6.66 -14.14	90.98 6.20 -12.75	89.50 6.41 -9.38	89.77 6.55 -7.92	93.83 6.70 -10.09	110.35 8.58 -7.48	131.08 11.27 -20.04	140.32 11.55 -30.88	131.01 10.60 -23.17	112.73 7.79 -23.78	111.68 8.11 -13.52	100.28 6.62 -13.81	93.07 5.70 -16.20	92.15 5.61 -15.47	94.25 5.76 -17.35	103.33 6.95 -17.47	125.05 9.90 -18.11	135.75 11.20 -27.11	136.11 11.60 -25.37	130.46 10.80 -22.33	125.36 10.41 -17.71	116.89 9.20 -10.95	113.09 9.01 -7.24	112.84 8.95 -6.53
PIERCEFIELD___HYD 23852	76.73 1.12 -0.76	73.57 0.94 -0.60	74.98 0.88 -0.39	76.44 0.90 -0.24	78.44 0.92 -0.48	95.68 0.94 -0.45	101.40 0.70 -0.94	99.73 0.00 -1.84	97.70 -0.68 -1.14	82.33 -0.24 -1.41	90.77 -0.09 -0.80	80.90 0.24 -0.82	72.36 0.21 -0.96	72.27 0.28 -0.92	72.39 0.21 -1.03	79.56 -0.39 -1.04	97.05 -1.07 -1.08	96.63 -2.24 -1.43	97.92 -2.58 -1.34	96.16 -2.24 -1.07	96.16 -2.14 -1.05	96.33 -1.06 -0.65	97.17 -0.10 -0.43	97.59 0.00 -0.23
PINELAWN_CC_1 323563	131.70 6.96 -49.89	116.63 6.62 -37.98	112.63 6.78 -32.14	116.69 6.92 -34.47	116.72 7.08 -32.60	141.00 8.77 -37.94	186.62 9.28 -77.57	214.65 9.40 -107.36	197.40 9.72 -90.43	165.80 7.79 -76.85	156.13 8.83 -57.24	153.36 7.91 -65.62	148.83 7.12 -70.54	147.30 7.25 -68.98	151.60 7.26 -73.20	162.36 7.81 -75.63	166.49 10.39 -59.06	207.50 10.13 -99.93	214.24 10.31 -104.78	187.18 9.83 -80.02	168.88 9.72 -61.92	149.46 9.29 -43.43	140.85 9.59 -34.42	140.80 8.86 -34.59
PJM_GEN_HTP_PROXY 323702	122.12 4.86 -42.42	112.53 4.61 -35.88	103.30 4.72 -24.87	98.58 4.82 -18.46	110.34 4.93 -28.37	123.98 6.04 -23.65	162.79 6.79 -56.24	202.14 6.85 -97.39	171.34 7.49 -66.61	162.39 6.25 -74.98	139.62 6.93 -42.62	129.70 6.31 -43.55	127.87 5.62 -51.07	125.61 5.75 -48.79	131.55 5.69 -54.72	140.08 6.08 -55.09	161.72 7.57 -57.10	187.76 7.80 -82.53	182.62 7.94 -75.53	170.82 7.39 -66.09	160.61 7.39 -55.99	138.40 7.06 -34.60	126.70 6.98 -22.88	120.51 6.14 -17.01
PJM_GEN_KEystone 24065	65.88 -0.75 8.22	56.42 -0.65 14.96	61.57 -0.59 11.54	61.80 -0.61 12.90	59.86 -0.62 16.56	65.02 -1.13 28.14	96.28 -0.30 3.18	114.98 -0.68 -17.76	86.94 -0.68 9.62	77.26 -0.89 3.01	72.00 -0.72 17.33	75.82 -0.48 3.55	74.45 -0.57 -3.84	71.19 -0.49 -0.62	70.43 -0.57 0.14	73.37 -0.79 4.76	71.50 -0.88 24.67	90.08 -0.39 6.97	99.65 -0.30 -0.79	79.94 -0.58 16.82	77.81 -0.68 18.75	79.73 -1.26 15.75	69.75 -1.06 26.03	65.70 -1.16 30.49
PJM_GEN_NEPTUNE_PROXY 323594	126.80 5.54 -46.42	114.36 5.33 -37.00	107.93 5.45 -28.76	107.91 5.57 -27.03	113.37 5.70 -30.63	132.57 6.98 -31.30	175.21 7.79 -67.66	208.34 7.73 -102.72	183.05 8.26 -77.55	162.77 6.66 -74.96	146.84 7.57 -49.22	141.00 6.87 -54.29	138.80 6.12 -61.49	136.85 6.18 -59.61	141.94 6.19 -64.61	149.63 6.70 -64.02	163.53 8.35 -58.14	197.68 8.58 -91.67	198.84 8.73 -90.96	179.15 8.27 -73.54	164.28 8.26 -58.77	143.75 7.93 -39.07	133.84 7.94 -29.06	130.89 7.10 -26.43
PJM_GEN_VFT_PROXY 323633	64.45 4.49 14.89	62.28 4.32 14.07	61.23 4.35 16.83	61.69 4.44 18.05	62.89 4.62 18.77	70.28 5.56 29.57	105.06 6.09 0.79	131.40 6.27 -27.23	91.03 6.90 13.12	79.05 5.76 7.87	73.44 6.39 23.01	70.44 5.83 15.23	79.99 5.27 -3.54	76.32 5.33 0.07	75.84 5.26 0.56	65.53 5.60 18.99	49.08 6.89 54.85	51.46 7.31 53.29	59.03 7.14 47.26	51.30 6.81 52.85	49.14 6.70 54.80	71.56 6.58 31.77	76.42 6.49 26.91	87.10 5.55 15.80
PLATSBURG_115KV_PMLD1 355749	74.70 -0.15 0.00	71.74 -0.29 0.00	73.27 -0.44 0.00	74.62 -0.68 0.00	76.42 -0.62 0.00	93.73 -0.57 0.00	98.17 -1.60 0.00	96.33 -1.57 0.00	95.30 -1.94 0.00	79.94 -1.22 0.00	87.99 -2.07 0.00	77.85 -2.00 0.00	69.19 -1.99 0.00	69.07 -1.99 0.00	69.29 -1.85 0.00	77.18 -1.74 0.00	95.10 -1.94 0.00	95.98 -1.46 0.00	97.76 -1.39 0.00	96.46 -0.88 0.00	96.66 -0.58 0.00	97.03 0.29 0.00	97.13 0.29 0.00	98.72 1.36 0.00
PLEASANTVLY___LBMP 24000	123.73 4.34 -44.54	113.87 4.11 -37.73	104.10 4.20 -26.19	99.09 4.29 -19.50	111.34 4.47 -29.83	124.47 5.37 -24.81	164.89 5.99 -59.14	206.03 5.97 -102.16	173.69 6.42 -70.03	165.20 5.36 -78.68	140.64 5.85 -44.73	130.89 5.35 -45.70	129.54 4.77 -53.59	127.03 4.76 -51.20	133.40 4.84 -57.42	141.93 5.21 -57.81	163.44 6.50 -59.90	190.69 6.63 -86.62	185.23 6.74 -79.33	173.16 6.42 -69.40	162.39 6.42 -58.73	139.23 6.19 -36.30	126.95 6.10 -24.01	120.83 5.55 -17.92
PLSNTVLE_13_KV_13.8KVDIST 80602	122.56 4.72 -43.00	112.96 4.54 -36.39	103.59 4.64 -25.24	98.71 4.67 -18.74	110.66 4.85 -28.77	124.20 5.94 -23.97	163.38 6.58 -57.04	203.35 6.75 -98.70	172.01 7.20 -67.57	163.18 6.01 -76.02	139.93 6.66 -43.21	129.98 5.99 -44.15	128.37 5.41 -51.78	125.93 5.40 -49.47	132.02 5.41 -55.47	140.61 5.84 -55.85	162.28 7.38 -57.87	188.67 7.60 -83.63	183.45 7.73 -76.56	171.63 7.30 -66.99	161.26 7.29 -56.73	138.77 6.97 -35.06	126.81 6.78 -23.19	120.75 6.13 -17.26
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	122.56 4.72 -43.00	112.96 4.54 -36.39	103.59 4.64 -25.24	98.71 4.67 -18.74	110.66 4.85 -28.77	124.20 5.94 -23.97	163.38 6.58 -57.04	203.35 6.75 -98.70	172.01 7.20 -67.57	163.18 6.01 -76.02	139.93 6.66 -43.21	129.98 5.99 -44.15	128.37 5.41 -51.78	125.93 5.40 -49.47	132.02 5.41 -55.47	140.61 5.84 -55.85	162.28 7.38 -57.87	188.67 7.60 -83.63	183.45 7.73 -76.56	171.63 7.30 -66.99	161.26 7.29 -56.73	138.77 6.97 -35.06	126.81 6.78 -23.19	120.75 6.13 -17.26
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	123.06 4.79 -43.43	113.59 4.61 -36.95	104.18 4.72 -25.75	99.56 4.89 -19.36	111.26 5.01 -29.21	124.62 6.22 -24.11	164.56 6.88 -57.92	203.82 6.66 -99.27	172.80 7.10 -68.46	163.46 5.84 -76.46	139.91 6.39 -43.46	130.00 5.75 -44.41	128.45 5.20 -52.08	126.01 5.19 -49.75	132.13 5.19 -55.79	140.77 5.68 -56.18	162.42 7.18 -58.20	189.33 7.41 -84.48	184.22 7.54 -77.53	172.32 7.20 -67.78	161.52 7.10 -57.18	138.86 6.77 -35.34	126.80 6.59 -23.37	121.04 6.04 -17.64
POLETTI_____ 23519	122.06 4.79 -42.43	112.46 4.54 -35.89	103.23 4.64 -24.88	98.51 4.74 -18.46	110.27 4.85 -28.38	123.79 5.85 -23.66	162.40 6.38 -56.25	201.97 6.66 -97.41	171.07 7.20 -66.64	162.18 6.01 -75.01	139.46 6.75 -42.65	129.56 6.15 -43.57	127.91 5.62 -51.10	125.50 5.61 -48.82	131.51 5.62 -54.75	139.94 5.92 -55.11	161.61 7.47 -57.10	170.77 7.60 -65.72	178.44 7.73 -71.55	170.61 7.20 -66.08	160.40 7.20 -55.97	138.50 7.16 -34.60	126.60 6.88 -22.88	120.51 6.13 -17.02
POMONA___ESR 323819	118.79 3.74 -40.20	109.59 3.60 -33.96	100.89 3.68 -23.50	96.44 3.76 -17.37	107.73 3.85 -26.85	121.45 4.71 -22.44	158.36 5.38 -53.21	195.70 5.38 -92.42	166.12 5.83 -63.05	157.15 4.87 -71.12	135.80 5.31 -40.43	126.02 4.87 -41.31	123.96 4.34 -48.44	121.75 4.41 -46.28	127.45 4.41 -51.90	135.91 4.73 -52.26	157.15 5.92 -54.19	181.85 6.14 -78.26	176.98 6.25 -71.58	165.92 5.94 -62.65	156.30 5.93 -53.13	135.09 5.51 -32.83	124.07 5.52 -21.72	118.19 4.77 -16.07
PORT_JEFF_3 23555	132.22 7.48 -49.89	117.14 7.13 -37.98	113.15 7.30 -32.14	117.30 7.53 -34.47	117.34 7.70 -32.60	141.85 9.62 -37.94	187.71 10.28 -77.67	215.53 10.18 -107.46	275.04 10.30 -167.50	209.26 8.36 -119.74	208.82 9.37 -109.40	199.79 8.55 -111.40	149.44 7.62 -70.63	147.96 7.82 -69.08	152.26 7.83 -73.30	250.77 8.36 -163.50	166.92 10.77 -59.11	215.65 10.81 -107.39	225.02 10.91 -114.96	188.06 10.61 -80.12	185.84 10.41 -78.19	160.93 10.06 -54.12	141.67 10.37 -34.46	141.63 9.64 -34.63



PORT_JEFF_4 23616	132.22 7.48 -49.89	117.14 7.13 -37.98	113.15 7.30 -32.14	117.30 7.53 -34.47	117.34 7.70 -32.60	141.85 9.62 -37.94	187.71 10.28 -77.67	215.53 10.18 -107.46	275.04 10.30 -167.50	209.26 8.36 -119.74	208.82 9.37 -109.40	199.79 8.55 -111.40	149.44 7.62 -70.63	147.96 7.82 -69.08	152.26 7.83 -73.30	250.77 8.36 -163.50	166.92 10.77 -59.11	215.65 10.81 -107.39	225.02 10.91 -114.96	188.06 10.61 -80.12	185.84 10.41 -78.19	160.93 10.06 -54.12	141.67 10.37 -34.46	141.63 9.64 -34.63
PORT_JEFF_IC 23713	132.30 7.56 -49.89	117.21 7.20 -37.98	113.15 7.30 -32.14	117.37 7.61 -34.47	117.42 7.78 -32.60	141.84 9.62 -37.94	187.72 10.28 -77.68	215.44 10.08 -107.46	278.78 10.31 -171.23	211.36 8.36 -121.84	211.35 9.37 -111.92	202.17 8.70 -113.62	149.67 7.83 -70.66	148.06 7.89 -69.11	152.36 7.90 -73.32	255.19 8.52 -167.75	167.01 10.87 -59.11	216.18 11.01 -107.73	225.69 11.10 -115.43	188.24 10.80 -80.10	186.80 10.60 -78.96	161.62 10.25 -54.63	141.66 10.36 -34.46	141.72 9.74 -34.63
PPL_PILGRIM_ST_GT1 24216	132.97 8.23 -49.89	117.86 7.85 -37.98	113.81 7.96 -32.14	117.98 8.21 -34.47	118.11 8.47 -32.60	142.69 10.47 -37.94	186.72 9.37 -77.58	214.86 9.60 -107.36	201.69 9.63 -94.82	168.24 7.79 -79.29	159.00 8.73 -60.21	155.73 7.67 -68.22	148.70 6.98 -70.54	147.37 7.32 -68.99	151.60 7.26 -73.20	167.28 7.74 -80.63	168.24 12.13 -59.07	207.93 10.13 -100.35	214.72 10.21 -105.36	187.29 9.93 -80.02	169.72 9.63 -62.85	149.87 9.09 -44.04	141.72 10.46 -34.42	141.98 10.03 -34.59
PPL_PILGRIM_ST_GT2 24217	132.97 8.23 -49.89	117.86 7.85 -37.98	113.81 7.96 -32.14	117.98 8.21 -34.47	118.11 8.47 -32.60	142.69 10.47 -37.94	186.72 9.37 -77.58	214.86 9.60 -107.36	201.69 9.63 -94.82	168.24 7.79 -79.29	159.00 8.73 -60.21	155.73 7.67 -68.22	148.70 6.98 -70.54	147.37 7.32 -68.99	151.60 7.26 -73.20	167.28 7.74 -80.63	168.24 12.13 -59.07	207.93 10.13 -100.35	214.72 10.21 -105.36	187.29 9.93 -80.02	169.72 9.63 -62.85	149.87 9.09 -44.04	141.72 10.46 -34.42	141.98 10.03 -34.59
PPL_SHRM_GT3 24213	132.45 7.71 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.60 7.83 -34.47	117.73 8.09 -32.60	142.22 9.99 -37.94	188.41 10.97 -77.67	216.41 11.06 -107.45	274.61 11.18 -166.20	209.27 9.09 -119.02	208.65 10.08 -108.51	199.33 8.86 -110.63	149.71 7.90 -70.63	148.24 8.10 -69.08	152.54 8.11 -73.29	249.61 8.68 -162.01	166.63 10.48 -59.10	215.62 10.91 -107.26	224.85 10.91 -114.79	188.16 10.71 -80.11	185.76 10.60 -77.92	161.23 10.55 -53.94	142.24 10.94 -34.46	142.21 10.22 -34.63
PPL_SHRM_GT4 24214	132.45 7.71 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.60 7.83 -34.47	117.73 8.09 -32.60	142.22 9.99 -37.94	188.41 10.97 -77.67	216.41 11.06 -107.45	274.61 11.18 -166.20	209.27 9.09 -119.02	208.65 10.08 -108.51	199.33 8.86 -110.63	149.71 7.90 -70.63	148.24 8.10 -69.08	152.54 8.11 -73.29	249.61 8.68 -162.01	166.63 10.48 -59.10	215.62 10.91 -107.26	224.85 10.91 -114.79	188.16 10.71 -80.11	185.76 10.60 -77.92	161.23 10.55 -53.94	142.24 10.94 -34.46	142.21 10.22 -34.63
PROJECT___ORANGE 1 24174	77.62 -1.57 -4.35	73.96 -1.51 -3.44	74.38 -1.55 -2.22	75.14 -1.51 -1.35	78.21 -1.54 -2.71	94.86 -1.98 -2.55	103.53 -1.60 -5.37	107.29 -1.08 -10.47	102.42 -1.46 -6.63	87.80 -1.54 -8.19	93.18 -1.53 -4.65	83.16 -1.44 -4.75	75.48 -1.28 -5.58	74.97 -1.42 -5.33	75.76 -1.35 -5.97	83.51 -1.42 -6.02	101.33 -1.84 -6.14	104.16 -1.56 -8.27	105.45 -1.49 -7.79	101.86 -1.65 -6.17	101.60 -1.75 -6.11	98.20 -2.32 -3.78	97.01 -2.32 -2.50	96.50 -2.34 -1.48
PROJECT___ORANGE 2 24166	77.62 -1.57 -4.35	73.96 -1.51 -3.44	74.38 -1.55 -2.22	75.14 -1.51 -1.35	78.21 -1.54 -2.71	94.86 -1.98 -2.55	103.53 -1.60 -5.37	107.29 -1.08 -10.47	102.42 -1.46 -6.63	87.80 -1.54 -8.19	93.18 -1.53 -4.65	83.16 -1.44 -4.75	75.48 -1.28 -5.58	74.97 -1.42 -5.33	75.76 -1.35 -5.97	83.51 -1.42 -6.02	101.33 -1.84 -6.14	104.16 -1.56 -8.27	105.45 -1.49 -7.79	101.86 -1.65 -6.17	101.60 -1.75 -6.11	98.20 -2.32 -3.78	97.01 -2.32 -2.50	96.50 -2.34 -1.48
PUCKETT___SOLAR 323809	91.01 1.42 -14.75	86.31 1.30 -12.98	84.45 1.40 -9.35	84.29 1.43 -7.56	88.85 1.54 -10.27	104.04 1.79 -7.96	123.25 3.10 -20.39	133.66 2.93 -32.83	123.46 2.43 -23.78	107.82 1.38 -25.28	105.87 1.44 -14.37	95.56 1.04 -14.68	89.19 0.78 -17.22	88.37 0.86 -16.45	90.45 0.86 -18.45	98.75 1.26 -18.58	118.42 2.13 -19.25	128.70 2.83 -28.43	128.50 2.97 -26.38	123.14 2.63 -23.17	118.52 2.43 -18.85	110.14 1.74 -11.65	106.19 1.64 -7.70	105.38 1.55 -6.47
PYRITES___HYD 24023	77.57 2.02 -0.71	74.39 1.80 -0.56	75.77 1.70 -0.36	77.33 1.81 -0.22	79.33 1.85 -0.44	96.97 2.26 -0.41	102.83 2.19 -0.87	101.26 1.66 -1.70	99.18 0.88 -1.06	83.52 1.06 -1.31	91.79 0.99 -0.74	81.72 1.12 -0.76	73.07 1.00 -0.89	72.91 0.99 -0.85	73.02 0.92 -0.96	80.59 0.71 -0.96	98.72 0.68 -1.00	98.76 0.00 -1.32	100.00 -0.40 -1.25	98.13 -0.19 -0.99	98.12 -0.10 -0.98	98.12 0.77 -0.60	98.69 1.45 -0.40	99.01 1.66 0.00
QUAKERRD_115KV_BK1 80622	76.78 -3.59 -5.53	73.16 -3.24 -4.37	73.29 -3.24 -2.82	73.78 -3.24 -1.71	77.10 -3.39 -3.45	93.10 -4.43 -3.24	102.20 -4.39 -6.83	106.98 -4.31 -13.39	100.55 -5.06 -8.37	86.70 -4.79 -10.33	91.33 -4.59 -5.87	81.77 -4.07 -6.00	74.59 -3.63 -7.03	73.95 -3.84 -6.72	74.98 -3.70 -7.54	82.24 -4.26 -7.59	99.65 -5.24 -7.85	104.07 -4.77 -11.40	104.41 -4.56 -9.82	101.72 -4.77 -9.15	99.99 -4.96 -7.71	95.80 -5.71 -4.76	94.28 -5.71 -3.15	94.27 -4.97 -1.88
QUENSBRY_115KV_TB8 356137	154.01 6.66 -72.51	160.82 6.41 -82.38	151.78 6.56 -71.51	160.84 6.70 -78.84	149.49 6.93 -65.52	130.21 6.32 -29.60	237.63 7.18 -130.68	226.95 7.15 -121.90	242.61 7.20 -138.17	180.89 5.84 -93.89	150.09 6.66 -53.37	139.72 5.35 -54.53	139.83 4.70 -63.95	136.57 4.41 -61.10	144.00 4.34 -68.51	152.87 4.97 -68.98	174.82 6.31 -71.47	228.44 6.82 -124.18	239.84 6.94 -133.75	216.46 6.81 -112.31	173.85 6.52 -70.09	146.54 6.48 -43.32	131.88 6.39 -28.65	157.68 8.28 -52.05
RAMAPO___LBMP 323565	118.36 3.52 -40.00	109.20 3.39 -33.78	100.55 3.46 -23.37	96.11 3.54 -17.27	107.36 3.62 -26.71	121.06 4.43 -22.33	157.69 4.99 -52.94	194.96 5.09 -91.97	165.55 5.54 -62.77	156.54 4.54 -70.84	135.37 5.04 -40.27	125.53 4.55 -41.14	123.56 4.13 -48.25	121.28 4.12 -46.10	126.96 4.13 -51.69	135.38 4.42 -52.05	156.59 5.63 -53.92	181.11 5.85 -77.82	176.27 5.95 -71.16	165.18 5.55 -62.29	155.61 5.54 -52.83	134.71 5.32 -32.65	123.57 5.13 -21.59	117.81 4.48 -15.98
RANKINE____ 23646	77.29 -4.86 -7.31	73.41 -4.39 -5.77	73.23 -4.20 -3.72	73.27 -4.29 -2.26	77.13 -4.47 -4.56	92.07 -6.51 -4.28	102.40 -6.38 -9.02	108.83 -6.66 -17.59	100.35 -7.88 -10.99	87.98 -6.74 -13.56	91.10 -6.66 -7.71	82.21 -5.51 -7.88	75.51 -4.91 -9.24	74.70 -5.19 -8.82	75.63 -5.41 -9.90	82.64 -6.23 -9.96	99.40 -7.96 -10.32	105.62 -6.82 -15.00	105.40 -6.64 -12.90	102.39 -7.01 -12.06	100.07 -7.29 -10.12	94.87 -8.13 -6.25	93.13 -7.84 -4.14	93.60 -6.23 -2.47
RAVENSWOOD_GT2_1 24244	122.22 4.94 -42.43	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	124.08 6.13 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.92 7.76 -57.12	187.86 7.89 -82.53	182.72 8.03 -75.54	170.93 7.49 -66.10	160.72 7.49 -55.99	138.60 7.26 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02



RAVENSWOOD_GT2_2 24245	122.22 4.94 -42.43	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	124.08 6.13 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.92 7.76 -57.12	187.86 7.89 -82.53	182.72 8.03 -75.54	170.93 7.49 -66.10	160.72 7.49 -55.99	138.60 7.26 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02
RAVENSWOOD_GT2_3 24246	122.22 4.94 -42.43	112.68 4.75 -35.90	103.46 4.86 -24.88	98.74 4.97 -18.46	110.50 5.08 -28.38	124.08 6.13 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.48 7.58 -66.66	162.53 6.33 -75.04	139.74 7.02 -42.65	129.81 6.39 -43.58	128.12 5.84 -51.11	125.65 5.76 -48.83	131.73 5.83 -54.76	140.20 6.16 -55.13	161.92 7.76 -57.12	187.86 7.89 -82.53	182.72 8.03 -75.54	171.03 7.59 -66.10	160.81 7.58 -55.99	138.70 7.35 -34.60	126.79 7.07 -22.88	120.61 6.23 -17.02
RAVENSWOOD_GT2_4 24247	122.22 4.94 -42.43	112.68 4.75 -35.90	103.46 4.86 -24.88	98.74 4.97 -18.46	110.50 5.08 -28.38	124.08 6.13 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.48 7.58 -66.66	162.53 6.33 -75.04	139.74 7.02 -42.65	129.81 6.39 -43.58	128.12 5.84 -51.11	125.65 5.76 -48.83	131.73 5.83 -54.76	140.20 6.16 -55.13	161.92 7.76 -57.12	187.86 7.89 -82.53	182.72 8.03 -75.54	171.03 7.59 -66.10	160.81 7.58 -55.99	138.70 7.35 -34.60	126.79 7.07 -22.88	120.61 6.23 -17.02
RAVENSWOOD_GT3_1 24248	122.22 4.94 -42.43	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	124.08 6.13 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.53 6.33 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.92 7.76 -57.12	187.86 7.89 -82.53	182.72 8.03 -75.54	170.93 7.49 -66.10	160.72 7.49 -55.99	138.70 7.35 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02
RAVENSWOOD_GT3_2 24249	122.22 4.94 -42.43	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	124.08 6.13 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.53 6.33 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.92 7.76 -57.12	187.86 7.89 -82.53	182.72 8.03 -75.54	170.93 7.49 -66.10	160.72 7.49 -55.99	138.70 7.35 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02
RAVENSWOOD_GT3_3 24250	122.29 5.01 -42.43	112.68 4.75 -35.90	103.46 4.86 -24.88	98.74 4.97 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	162.80 6.78 -56.26	202.37 7.05 -97.42	171.58 7.68 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	129.89 6.47 -43.58	128.20 5.91 -51.11	125.72 5.83 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.02 7.86 -57.12	187.96 7.99 -82.53	182.82 8.13 -75.54	171.12 7.69 -66.10	160.91 7.68 -55.99	138.79 7.45 -34.60	126.79 7.07 -22.88	120.70 6.33 -17.02
RAVENSWOOD_GT3_4 24251	122.29 5.01 -42.43	112.68 4.75 -35.90	103.46 4.86 -24.88	98.74 4.97 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	162.80 6.78 -56.26	202.37 7.05 -97.42	171.58 7.68 -66.66	162.61 6.41 -75.04	139.83 7.11 -42.65	129.89 6.47 -43.58	128.20 5.91 -51.11	125.72 5.83 -48.83	131.80 5.90 -54.76	140.28 6.23 -55.13	162.02 7.86 -57.12	187.96 7.99 -82.53	182.82 8.13 -75.54	171.12 7.69 -66.10	160.91 7.68 -55.99	138.79 7.45 -34.60	126.79 7.07 -22.88	120.70 6.33 -17.02
RAVENSWOOD_GT_1 23729	142.74 5.39 -62.51	113.05 5.11 -35.90	103.83 5.23 -24.88	99.11 5.35 -18.46	110.89 5.47 -28.38	124.37 6.41 -23.67	163.10 7.08 -56.26	202.76 7.44 -97.42	171.87 7.97 -66.66	162.93 6.74 -75.04	140.10 7.38 -42.65	130.21 6.79 -43.58	128.48 6.19 -51.11	126.00 6.11 -48.83	132.29 6.19 -54.96	142.24 6.55 -56.78	176.14 8.25 -70.85	198.71 8.48 -92.79	189.24 8.63 -81.46	177.12 8.08 -71.71	168.31 7.97 -63.09	140.00 7.84 -35.42	127.08 7.36 -22.88	136.28 6.62 -32.30
RAVENSWOOD_GT_10 24258	121.81 4.94 -42.03	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	123.98 6.03 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.23 7.76 -56.43	187.35 7.89 -82.02	182.59 8.03 -75.41	170.93 7.49 -66.10	160.72 7.49 -55.99	138.60 7.26 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02
RAVENSWOOD_GT_11 24259	121.81 4.94 -42.03	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	123.98 6.03 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.23 7.76 -56.43	187.35 7.89 -82.02	182.59 8.03 -75.41	170.93 7.49 -66.10	160.72 7.49 -55.99	138.60 7.26 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02
RAVENSWOOD_GT_4 24252	131.31 4.86 -51.60	112.54 4.61 -35.90	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.03 -23.66	162.61 6.58 -56.26	202.17 6.85 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	127.98 5.69 -51.11	125.58 5.69 -48.83	131.75 5.69 -54.91	141.38 6.08 -56.38	161.83 7.67 -57.13	187.77 7.80 -82.54	185.15 7.93 -78.07	175.10 7.40 -70.37	166.03 7.39 -61.40	139.22 7.26 -35.22	126.70 6.97 -22.88	132.15 6.13 -28.66
RAVENSWOOD_GT_5 24254	131.31 4.86 -51.60	112.54 4.61 -35.90	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.03 -23.66	162.61 6.58 -56.26	202.17 6.85 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	127.98 5.69 -51.11	125.58 5.69 -48.83	131.75 5.69 -54.91	141.38 6.08 -56.38	161.83 7.67 -57.13	187.77 7.80 -82.54	185.15 7.93 -78.07	175.10 7.40 -70.37	166.03 7.39 -61.40	139.22 7.26 -35.22	126.70 6.97 -22.88	132.15 6.13 -28.66
RAVENSWOOD_GT_6 24253	131.31 4.86 -51.60	112.54 4.61 -35.90	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.03 -23.66	162.61 6.58 -56.26	202.17 6.85 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	127.98 5.69 -51.11	125.58 5.69 -48.83	131.75 5.69 -54.91	141.38 6.08 -56.38	161.83 7.67 -57.13	187.77 7.80 -82.54	185.15 7.93 -78.07	175.10 7.40 -70.37	166.03 7.39 -61.40	139.22 7.26 -35.22	126.70 6.97 -22.88	132.15 6.13 -28.66
RAVENSWOOD_GT_7 24255	131.31 4.86 -51.60	112.54 4.61 -35.90	103.31 4.72 -24.88	98.59 4.82 -18.46	110.35 4.93 -28.38	123.99 6.03 -23.66	162.61 6.58 -56.26	202.17 6.85 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	127.98 5.69 -51.11	125.58 5.69 -48.83	131.75 5.69 -54.91	141.38 6.08 -56.38	161.83 7.67 -57.13	187.77 7.80 -82.54	185.15 7.93 -78.07	175.10 7.40 -70.37	166.03 7.39 -61.40	139.22 7.26 -35.22	126.70 6.97 -22.88	132.15 6.13 -28.66
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	121.81 4.94 -42.03	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	123.98 6.03 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.23 7.76 -56.43	187.35 7.89 -82.02	182.59 8.03 -75.41	170.93 7.49 -66.10	160.72 7.49 -55.99	138.60 7.26 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02



RAVENSWOOD_GT_9 24257	121.81 4.94 -42.03	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.43 5.01 -28.38	123.98 6.03 -23.66	162.70 6.68 -56.26	202.27 6.95 -97.42	171.39 7.49 -66.66	162.44 6.25 -75.04	139.64 6.93 -42.65	129.73 6.31 -43.58	128.05 5.77 -51.11	125.65 5.76 -48.83	131.66 5.76 -54.76	140.20 6.16 -55.13	161.23 7.76 -56.43	187.35 7.89 -82.02	182.59 8.03 -75.41	170.93 7.49 -66.10	160.72 7.49 -55.99	138.60 7.26 -34.60	126.70 6.97 -22.88	120.61 6.23 -17.02
RAVENSWOOD___1 23533	126.59 5.31 -46.43	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.36 6.41 -23.66	163.10 7.08 -56.26	202.67 7.35 -97.43	171.85 7.98 -66.64	162.82 6.66 -75.01	139.99 7.29 -42.64	130.11 6.71 -43.56	128.39 6.12 -51.09	126.05 6.18 -48.81	132.00 6.12 -54.74	140.57 6.55 -55.11	169.14 8.15 -63.94	193.56 8.47 -87.65	184.53 8.53 -76.85	171.43 7.98 -66.11	161.22 7.98 -56.00	139.10 7.74 -34.61	127.19 7.46 -22.89	121.00 6.62 -17.02
RAVENSWOOD___2 23534	126.57 5.31 -46.41	112.97 5.04 -35.90	103.75 5.16 -24.88	99.04 5.27 -18.46	110.81 5.39 -28.38	124.27 6.32 -23.66	163.00 6.98 -56.26	202.67 7.35 -97.43	171.75 7.87 -66.64	162.82 6.66 -75.01	139.99 7.29 -42.64	130.11 6.71 -43.56	128.32 6.05 -51.09	125.99 6.11 -48.81	132.00 6.12 -54.74	140.57 6.55 -55.11	169.11 8.15 -63.92	193.45 8.38 -87.63	184.42 8.42 -76.85	171.43 7.98 -66.11	161.22 7.98 -56.00	139.00 7.64 -34.61	127.19 7.46 -22.89	121.00 6.62 -17.02
RAVENSWOOD___3 23535	122.22 4.94 -42.43	112.61 4.68 -35.90	103.38 4.79 -24.88	98.66 4.89 -18.46	110.42 5.00 -28.38	124.07 6.13 -23.66	162.81 6.79 -56.26	202.27 6.95 -97.43	171.47 7.59 -66.64	162.50 6.33 -75.01	139.63 6.93 -42.64	129.71 6.31 -43.56	128.03 5.76 -51.09	125.70 5.83 -48.81	131.64 5.76 -54.74	140.18 6.16 -55.11	161.83 7.66 -57.12	187.99 7.99 -82.55	182.74 8.03 -75.56	170.95 7.50 -66.11	160.73 7.49 -56.00	138.61 7.26 -34.61	126.90 7.17 -22.89	120.61 6.24 -17.02
RAVENSWOOD___4 23820	110.73 5.31 -30.57	112.96 5.04 -35.89	103.75 5.16 -24.88	99.04 5.27 -18.46	110.73 5.31 -28.38	124.26 6.32 -23.65	163.00 6.98 -56.26	202.57 7.24 -97.43	171.75 7.87 -66.64	162.82 6.66 -75.01	139.99 7.29 -42.64	130.03 6.62 -43.56	128.32 6.05 -51.09	125.99 6.11 -48.81	131.72 6.04 -54.53	138.88 6.47 -53.49	162.20 8.05 -57.11	188.37 8.38 -82.54	179.86 8.42 -72.29	165.91 7.98 -60.59	154.12 7.87 -49.01	138.19 7.64 -33.80	127.09 7.36 -22.89	105.85 6.52 -1.97
RCPL_TRUST___DRP 24196	122.20 4.94 -42.42	112.67 4.75 -35.88	103.45 4.86 -24.87	98.73 4.97 -18.46	110.57 5.16 -28.37	124.07 6.13 -23.65	162.89 6.88 -56.24	202.43 7.15 -97.39	171.66 7.78 -66.64	162.66 6.49 -75.01	139.90 7.20 -42.64	129.95 6.55 -43.56	128.11 5.84 -51.09	125.70 5.83 -48.81	131.71 5.83 -54.74	140.26 6.23 -55.11	162.00 7.86 -57.10	187.93 7.99 -82.50	182.79 8.13 -75.51	171.00 7.59 -66.08	160.79 7.58 -55.97	138.69 7.35 -34.59	126.79 7.07 -22.88	120.70 6.33 -17.01
RED___ROCHESTER 323720	78.58 -1.95 -5.68	74.93 -1.59 -4.49	74.98 -1.62 -2.89	75.56 -1.51 -1.76	78.88 -1.70 -3.54	95.27 -2.35 -3.33	105.58 -1.19 -7.01	109.39 -2.25 -13.74	102.99 -2.82 -8.58	88.66 -3.08 -10.58	93.46 -2.61 -6.02	83.75 -2.24 -6.15	75.97 -2.42 -7.21	75.67 -2.28 -6.89	76.73 -2.13 -7.72	84.16 -2.53 -7.78	101.90 -3.20 -8.06	106.46 -2.63 -11.64	106.80 -2.38 -10.03	103.96 -2.72 -9.35	102.20 -2.91 -7.87	97.74 -3.87 -4.86	96.48 -3.58 -3.22	96.37 -2.92 -1.93
REGAN___SOLAR 323812	157.15 6.51 -75.80	163.00 6.26 -84.70	152.92 6.41 -72.80	161.07 6.55 -79.22	151.09 6.70 -67.35	134.36 8.39 -31.68	244.02 9.98 -134.28	237.75 9.40 -130.45	249.10 9.04 -142.82	188.70 7.06 -100.48	154.74 7.57 -57.12	144.26 6.06 -58.36	145.24 5.62 -68.44	141.85 5.40 -65.39	149.87 5.40 -73.32	159.13 6.39 -73.83	181.96 8.44 -76.48	236.98 9.26 -130.28	248.07 9.42 -139.49	223.09 9.25 -116.51	181.27 9.04 -74.99	151.60 8.52 -46.34	135.91 8.42 -30.65	158.20 7.98 -52.86
RENSSELAER___COGEN 23796	135.39 2.62 -57.93	131.01 2.59 -56.39	120.66 2.80 -44.15	119.96 2.86 -41.80	124.61 2.85 -44.72	126.37 3.58 -28.50	191.98 3.29 -88.93	218.40 3.13 -117.37	200.10 3.31 -99.55	174.35 2.76 -90.43	144.88 3.42 -51.41	135.56 3.20 -52.52	135.48 2.70 -61.59	132.46 2.55 -58.85	139.62 2.49 -65.99	148.12 2.76 -66.44	169.25 3.39 -68.81	207.71 3.50 -106.77	207.50 3.56 -104.78	190.85 3.50 -90.01	168.11 3.40 -67.47	141.63 3.19 -41.70	127.81 3.39 -27.58	132.45 3.79 -31.29
REPUBLIC_115KV_BARTNBRK 55605	156.41 9.21 -72.36	162.96 8.79 -82.14	153.96 8.99 -71.26	162.92 9.11 -78.51	151.77 9.40 -65.33	133.68 9.81 -29.58	241.33 11.27 -130.30	230.98 11.26 -121.83	246.23 11.18 -137.81	184.16 9.17 -93.83	153.66 10.27 -53.34	142.56 8.22 -54.49	142.14 7.05 -63.91	138.80 6.68 -61.06	146.23 6.62 -68.47	155.67 7.81 -68.94	178.56 10.09 -71.43	232.35 10.91 -124.00	243.62 11.01 -133.47	220.14 10.71 -112.10	177.59 10.31 -70.05	149.90 9.87 -43.29	135.25 9.78 -28.63	160.32 11.10 -51.86
REVERE_CPDR_DRP 24186	80.66 3.52 -2.29	77.16 3.31 -1.81	78.27 3.39 -1.17	79.48 3.46 -0.71	82.09 3.62 -1.43	100.26 4.62 -1.34	108.18 5.59 -2.83	109.39 5.97 -5.53	106.27 5.54 -3.49	89.69 4.22 -4.31	97.01 4.50 -2.45	86.17 3.83 -2.50	77.53 3.42 -2.93	77.13 3.27 -2.80	77.63 3.34 -3.14	85.87 3.79 -3.16	105.42 5.14 -3.24	107.25 5.46 -4.35	108.80 5.55 -4.09	105.74 5.16 -3.25	105.41 4.96 -3.21	103.18 4.45 -1.99	102.41 4.26 -1.31	102.32 4.19 -0.78
REYNOLDS_115KV_TB3 80639	141.11 3.74 -62.52	140.62 3.67 -64.92	130.70 3.76 -53.23	133.37 3.84 -54.23	132.52 3.93 -51.55	127.77 4.81 -28.67	207.49 5.09 -102.64	220.87 4.89 -118.08	214.48 5.15 -112.09	176.32 4.22 -90.94	146.62 4.86 -51.70	136.97 4.31 -52.82	136.97 3.84 -61.94	134.08 3.84 -59.18	141.28 3.77 -66.36	149.92 4.18 -66.82	171.41 5.14 -69.23	214.80 5.36 -112.00	218.60 5.45 -113.99	199.64 5.26 -97.05	170.39 5.25 -67.89	143.83 5.13 -41.96	129.82 5.23 -27.75	140.52 4.97 -38.20
RIVERBAY____ 323610	122.90 5.61 -42.44	113.62 5.69 -35.90	104.42 5.82 -24.88	99.71 5.95 -18.46	111.43 6.01 -28.38	124.64 6.69 -23.66	163.50 7.48 -56.26	203.15 7.83 -97.42	172.17 8.27 -66.66	163.17 6.98 -75.04	140.37 7.65 -42.65	130.45 7.03 -43.58	128.62 6.34 -51.11	126.15 6.25 -48.83	132.16 6.26 -54.76	140.67 6.63 -55.13	162.59 8.44 -57.11	188.64 8.67 -82.52	183.51 8.82 -75.53	171.71 8.27 -66.10	161.49 8.27 -55.99	139.66 8.32 -34.60	127.57 7.84 -22.88	121.78 7.40 -17.02
RIVERSIDE_115KV_TB3 55908	139.76 3.14 -61.77	138.47 3.10 -63.34	128.45 3.24 -51.50	130.41 3.31 -51.79	130.64 3.31 -50.29	127.18 4.15 -28.74	203.95 4.09 -100.10	220.24 4.01 -118.33	211.34 4.28 -109.82	175.79 3.49 -91.14	146.10 4.23 -51.81	136.69 3.91 -52.93	136.60 3.35 -62.08	133.64 3.27 -59.31	140.85 3.20 -66.51	149.43 3.55 -66.96	170.69 4.27 -69.38	213.11 4.38 -111.29	216.16 4.56 -112.45	197.62 4.38 -95.90	169.56 4.28 -68.05	143.05 4.26 -42.05	129.20 4.55 -27.81	138.61 4.38 -36.87
ROARING___BROOK_WT_PWR 323790	73.87 -0.98 0.00	71.09 -0.94 0.00	72.75 -0.96 0.00	74.32 -0.98 0.00	76.12 -0.92 0.00	93.16 -1.13 0.00	97.97 -1.79 0.00	96.23 -1.66 0.00	95.19 -2.05 0.00	79.54 -1.62 0.00	87.99 -2.07 0.00	77.92 -1.92 0.00	69.47 -1.71 0.00	69.43 -1.63 0.00	69.58 -1.57 0.00	77.41 -1.50 0.00	95.48 -1.56 0.00	96.08 -1.36 0.00	97.86 -1.29 0.00	96.36 -0.97 0.00	96.46 -0.78 0.00	96.26 -0.48 0.00	96.36 -0.48 0.00	97.07 -0.29 0.00



ROCHESRG_115KV_T4 355643	77.72 -2.77 -5.64	74.12 -2.38 -4.46	74.23 -2.36 -2.88	74.72 -2.33 -1.75	78.09 -2.47 -3.52	94.21 -3.39 -3.31	103.34 -3.39 -6.97	108.12 -3.43 -13.65	101.49 -4.28 -8.52	87.62 -4.06 -10.52	92.25 -3.78 -5.98	82.76 -3.19 -6.11	75.50 -2.85 -7.17	74.78 -3.13 -6.85	75.83 -2.99 -7.68	83.09 -3.55 -7.73	100.58 -4.46 -8.00	105.16 -3.90 -11.61	105.49 -3.67 -10.01	102.67 -3.99 -9.32	101.01 -4.08 -7.85	96.66 -4.93 -4.85	95.21 -4.84 -3.21	95.38 -3.89 -1.92
ROCHESTER_9_IC 23652	78.20 -2.32 -5.68	74.57 -1.94 -4.49	74.69 -1.92 -2.89	75.18 -1.88 -1.76	78.58 -2.00 -3.54	94.79 -2.83 -3.33	104.08 -2.69 -7.01	108.89 -2.74 -13.73	102.22 -3.60 -8.58	88.26 -3.49 -10.59	92.92 -3.15 -6.02	83.27 -2.71 -6.15	75.97 -2.42 -7.21	75.32 -2.63 -6.89	76.30 -2.56 -7.72	83.69 -3.00 -7.78	101.31 -3.78 -8.05	105.91 -3.22 -11.69	106.24 -2.97 -10.07	103.51 -3.21 -9.38	101.74 -3.40 -7.90	97.27 -4.35 -4.88	95.81 -4.26 -3.23	95.88 -3.41 -1.93
ROCKVIEW_13_KV_LD 356306	122.21 4.94 -42.43	112.68 4.75 -35.89	103.45 4.86 -24.88	98.66 4.89 -18.46	110.50 5.08 -28.38	124.17 6.22 -23.66	163.00 6.98 -56.25	202.46 7.15 -97.41	171.57 7.68 -66.65	162.60 6.41 -75.03	139.73 7.02 -42.65	129.80 6.39 -43.57	128.05 5.77 -51.10	125.64 5.76 -48.82	131.65 5.76 -54.75	140.27 6.23 -55.13	162.01 7.86 -57.11	188.05 8.09 -82.52	182.91 8.23 -75.53	171.21 7.79 -66.09	161.00 7.78 -55.98	138.69 7.35 -34.60	126.89 7.17 -22.88	120.80 6.43 -17.02
ROME____115KV_TB2 80656	80.66 3.52 -2.29	77.16 3.31 -1.81	78.27 3.39 -1.17	79.48 3.46 -0.71	82.09 3.62 -1.43	100.26 4.62 -1.34	108.18 5.59 -2.83	109.39 5.97 -5.53	106.27 5.54 -3.49	89.69 4.22 -4.31	97.01 4.50 -2.45	86.17 3.83 -2.50	77.53 3.42 -2.93	77.13 3.27 -2.80	77.63 3.34 -3.14	85.87 3.79 -3.16	105.42 5.14 -3.24	107.25 5.46 -4.35	108.80 5.55 -4.09	105.74 5.16 -3.25	105.41 4.96 -3.21	103.18 4.45 -1.99	102.41 4.26 -1.31	102.32 4.19 -0.78
ROSETON___1 23587	117.45 3.14 -39.46	108.19 3.02 -33.13	99.60 3.10 -22.80	95.08 3.16 -16.61	106.46 3.23 -26.19	120.38 3.96 -22.13	156.26 4.59 -51.91	193.53 4.51 -91.12	163.77 4.86 -61.67	155.28 3.98 -70.14	134.25 4.32 -39.87	124.57 3.99 -40.74	122.51 3.56 -47.77	120.26 3.55 -45.64	125.88 3.56 -51.18	134.32 3.87 -51.53	155.32 4.85 -53.43	179.47 5.06 -76.97	174.51 5.15 -70.21	163.69 4.86 -61.49	154.48 4.86 -52.38	133.66 4.55 -32.37	122.80 4.55 -21.41	116.91 3.99 -15.55
ROSETON___2 23588	117.45 3.14 -39.46	108.19 3.02 -33.13	99.60 3.10 -22.80	95.08 3.16 -16.61	106.46 3.23 -26.19	120.38 3.96 -22.13	156.26 4.59 -51.91	193.53 4.51 -91.12	163.77 4.86 -61.67	155.28 3.98 -70.14	134.25 4.32 -39.87	124.57 3.99 -40.74	122.51 3.56 -47.77	120.26 3.55 -45.64	125.88 3.56 -51.18	134.32 3.87 -51.53	155.32 4.85 -53.43	179.47 5.06 -76.97	174.51 5.15 -70.21	163.69 4.86 -61.49	154.48 4.86 -52.38	133.66 4.55 -32.37	122.80 4.55 -21.41	116.91 3.99 -15.55
ROTRDAM_115KV_TB3 80664	152.89 3.14 -74.90	161.45 3.03 -86.39	152.46 3.10 -75.65	162.81 3.16 -84.34	149.00 3.24 -68.73	127.98 3.77 -29.92	241.07 4.19 -137.11	225.20 4.11 -123.19	245.74 4.28 -144.22	179.53 3.49 -94.88	147.86 3.87 -53.94	138.22 3.27 -55.10	138.79 2.99 -64.62	135.72 2.91 -61.74	143.30 2.92 -69.24	151.86 3.24 -69.71	173.34 4.08 -72.23	228.95 4.29 -127.22	241.96 4.36 -138.44	217.57 4.28 -115.95	172.25 4.18 -70.83	144.58 4.06 -43.77	129.86 4.07 -28.95	156.52 3.99 -55.18
RUSSELL___1 23602	78.58 -1.95 -5.68	74.93 -1.58 -4.49	74.98 -1.62 -2.89	75.56 -1.51 -1.76	78.88 -1.69 -3.54	95.26 -2.36 -3.33	104.48 -2.29 -7.01	109.37 -2.25 -13.73	102.71 -3.11 -8.58	88.66 -3.08 -10.59	93.46 -2.61 -6.02	83.75 -2.24 -6.15	76.40 -1.99 -7.21	75.68 -2.27 -6.89	76.80 -2.06 -7.72	84.17 -2.53 -7.78	101.89 -3.20 -8.05	106.50 -2.63 -11.69	106.84 -2.38 -10.07	103.99 -2.73 -9.38	102.32 -2.82 -7.90	97.76 -3.87 -4.88	96.29 -3.78 -3.23	96.37 -2.92 -1.93
RUSSELL___2 23532	78.58 -1.95 -5.68	74.93 -1.58 -4.49	74.98 -1.62 -2.89	75.56 -1.51 -1.76	78.88 -1.69 -3.54	95.26 -2.36 -3.33	104.48 -2.29 -7.01	109.37 -2.25 -13.73	102.71 -3.11 -8.58	88.66 -3.08 -10.59	93.46 -2.61 -6.02	83.75 -2.24 -6.15	76.40 -1.99 -7.21	75.68 -2.27 -6.89	76.80 -2.06 -7.72	84.17 -2.53 -7.78	101.89 -3.20 -8.05	106.50 -2.63 -11.69	106.84 -2.38 -10.07	103.99 -2.73 -9.38	102.32 -2.82 -7.90	97.76 -3.87 -4.88	96.29 -3.78 -3.23	96.37 -2.92 -1.93
RUSSELL___3 23549	78.58 -1.95 -5.68	74.93 -1.58 -4.49	74.98 -1.62 -2.89	75.56 -1.51 -1.76	78.88 -1.69 -3.54	95.26 -2.36 -3.33	104.48 -2.29 -7.01	109.37 -2.25 -13.73	102.71 -3.11 -8.58	88.66 -3.08 -10.59	93.46 -2.61 -6.02	83.75 -2.24 -6.15	76.40 -1.99 -7.21	75.68 -2.27 -6.89	76.80 -2.06 -7.72	84.17 -2.53 -7.78	101.89 -3.20 -8.05	106.50 -2.63 -11.69	106.84 -2.38 -10.07	103.99 -2.73 -9.38	102.32 -2.82 -7.90	97.76 -3.87 -4.88	96.29 -3.78 -3.23	96.37 -2.92 -1.93
RUSSELL___4 23556	78.58 -1.95 -5.68	74.93 -1.58 -4.49	74.98 -1.62 -2.89	75.56 -1.51 -1.76	78.88 -1.69 -3.54	95.26 -2.36 -3.33	104.48 -2.29 -7.01	109.37 -2.25 -13.73	102.71 -3.11 -8.58	88.66 -3.08 -10.59	93.46 -2.61 -6.02	83.75 -2.24 -6.15	76.40 -1.99 -7.21	75.68 -2.27 -6.89	76.80 -2.06 -7.72	84.17 -2.53 -7.78	101.89 -3.20 -8.05	106.50 -2.63 -11.69	106.84 -2.38 -10.07	103.99 -2.73 -9.38	102.32 -2.82 -7.90	97.76 -3.87 -4.88	96.29 -3.78 -3.23	96.37 -2.92 -1.93
RUSSELL___STATION 23914	78.58 -1.95 -5.68	74.93 -1.58 -4.49	74.98 -1.62 -2.89	75.56 -1.51 -1.76	78.88 -1.69 -3.54	95.26 -2.36 -3.33	104.48 -2.29 -7.01	109.37 -2.25 -13.73	102.71 -3.11 -8.58	88.66 -3.08 -10.59	93.46 -2.61 -6.02	83.75 -2.24 -6.15	76.40 -1.99 -7.21	75.68 -2.27 -6.89	76.80 -2.06 -7.72	84.17 -2.53 -7.78	101.89 -3.20 -8.05	106.50 -2.63 -11.69	106.84 -2.38 -10.07	103.99 -2.73 -9.38	102.32 -2.82 -7.90	97.76 -3.87 -4.88	96.29 -3.78 -3.23	96.37 -2.92 -1.93
S SALMON___HYD 24043	77.76 -0.60 -3.52	74.16 -0.65 -2.78	74.84 -0.66 -1.79	75.79 -0.61 -1.09	78.46 -0.77 -2.19	95.32 -1.04 -2.06	103.90 -0.20 -4.34	106.18 -0.10 -8.38	101.98 -0.48 -5.23	86.72 -0.89 -6.45	92.65 -1.08 -3.67	82.71 -0.88 -3.75	74.65 -0.93 -4.39	74.34 -0.93 -4.20	75.00 -0.85 -4.71	82.71 -0.94 -4.74	101.17 -0.78 -4.91	103.74 -0.29 -6.59	105.16 -0.20 -6.20	101.77 -0.48 -4.92	101.43 -0.68 -4.87	98.69 -1.06 -3.01	97.77 -1.06 -1.99	97.39 -1.16 -1.19
S.PERRY__115KV_TB1 80734	79.97 -2.47 -7.59	75.94 -2.09 -6.00	75.52 -2.06 -3.87	75.70 -1.96 -2.35	79.69 -2.08 -4.74	95.91 -2.83 -4.45	106.74 -2.39 -9.37	114.22 -2.15 -18.48	105.19 -3.60 -11.54	91.19 -4.22 -14.25	93.92 -4.23 -8.10	84.36 -3.75 -8.27	77.47 -3.42 -9.70	76.71 -3.62 -9.27	78.19 -3.34 -10.40	85.75 -3.63 -10.47	104.09 -3.78 -10.83	110.58 -2.63 -15.77	110.22 -2.48 -13.55	107.40 -2.63 -12.69	104.96 -2.92 -10.63	99.06 -4.26 -6.57	96.92 -4.26 -4.35	96.26 -3.70 -2.60
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	76.80 -5.09 -7.04	73.06 -4.54 -5.57	72.95 -4.35 -3.59	73.04 -4.44 -2.18	76.73 -4.70 -4.39	91.73 -6.69 -4.13	101.57 -6.88 -8.69	107.73 -7.15 -16.98	99.48 -8.36 -10.60	87.11 -7.14 -13.09	90.38 -7.11 -7.44	81.53 -5.91 -7.60	74.83 -5.27 -8.91	74.04 -5.54 -8.52	74.93 -5.76 -9.55	81.82 -6.71 -9.62	98.46 -8.54 -9.96	104.41 -7.50 -14.47	104.16 -7.44 -12.45	101.19 -7.79 -11.64	98.94 -8.07 -9.77	93.98 -8.80 -6.04	92.41 -8.43 -3.99	93.03 -6.72 -2.39



SAWYER___23_KV_LOAD 55526	76.80 -5.09 -7.04	73.06 -4.54 -5.57	72.95 -4.35 -3.59	73.04 -4.44 -2.18	76.73 -4.70 -4.39	91.73 -6.69 -4.13	101.57 -6.88 -8.69	107.73 -7.15 -16.98	99.48 -8.36 -10.60	87.11 -7.14 -13.09	90.38 -7.11 -7.44	81.53 -5.91 -7.60	74.83 -5.27 -8.91	74.04 -5.54 -8.52	74.93 -5.76 -9.55	81.82 -6.71 -9.62	98.46 -8.54 -9.96	104.41 -7.50 -14.47	104.16 -7.44 -12.45	101.19 -7.79 -11.64	98.94 -8.07 -9.77	93.98 -8.80 -6.04	92.41 -8.43 -3.99	93.03 -6.72 -2.39
SELKIRK___I 23801	134.93 5.16 -54.92	129.05 5.11 -51.90	118.72 5.31 -39.70	116.86 5.42 -36.13	123.57 5.39 -41.14	128.81 6.70 -27.82	188.30 6.79 -81.75	218.53 6.07 -114.57	195.73 5.83 -92.66	174.07 4.54 -88.36	145.51 5.22 -50.23	135.71 4.55 -51.32	135.28 3.91 -60.18	132.40 3.83 -57.50	139.46 3.84 -64.48	148.33 4.50 -64.92	170.03 5.82 -67.17	206.15 6.24 -102.47	204.58 6.44 -98.99	189.04 6.32 -85.38	169.42 6.32 -65.86	143.35 5.90 -40.70	129.96 6.20 -26.92	132.04 6.71 -27.97
SELKIRK___II 23799	133.44 2.77 -55.83	127.28 2.67 -52.58	116.62 2.80 -40.11	114.55 2.93 -36.31	121.63 2.93 -41.67	126.25 3.58 -28.38	186.15 3.59 -82.80	218.17 3.42 -116.85	194.74 3.60 -93.90	174.11 2.92 -90.04	144.75 3.51 -51.18	135.33 3.20 -52.29	135.28 2.77 -61.32	132.35 2.70 -58.59	139.48 2.63 -65.70	147.99 2.92 -66.15	169.14 3.59 -68.51	205.45 3.70 -104.31	203.60 3.86 -100.59	187.83 3.70 -86.80	168.11 3.69 -67.17	141.73 3.48 -41.51	127.88 3.59 -27.46	129.29 3.70 -28.23
SENECA OSWGO___HYD 24041	76.70 -2.10 -3.95	73.13 -2.02 -3.12	73.73 -1.99 -2.01	74.50 -2.03 -1.22	77.42 -2.08 -2.46	93.96 -2.64 -2.31	102.64 -1.99 -4.87	105.28 -2.06 -9.44	100.80 -2.33 -5.89	86.07 -2.36 -7.27	91.76 -2.43 -4.13	81.83 -2.24 -4.22	74.00 -2.13 -4.95	73.67 -2.13 -4.73	74.46 -1.99 -5.31	82.13 -2.13 -5.34	100.05 -2.52 -5.54	102.61 -2.24 -7.41	104.04 -2.09 -6.97	100.63 -2.23 -5.53	100.38 -2.33 -5.47	97.23 -2.90 -3.38	96.17 -2.90 -2.24	95.68 -3.02 -1.34
SENECA___115KV_TB3 355854	77.36 -4.79 -7.31	73.56 -4.25 -5.77	73.38 -4.05 -3.72	73.35 -4.22 -2.26	77.20 -4.39 -4.56	92.16 -6.41 -4.28	102.60 -6.19 -9.02	109.03 -6.46 -17.59	100.55 -7.68 -10.99	88.15 -6.57 -13.56	91.28 -6.48 -7.71	82.37 -5.35 -7.88	75.65 -4.77 -9.24	74.84 -5.05 -8.82	75.77 -5.26 -9.90	82.80 -6.08 -9.96	99.59 -7.76 -10.32	105.81 -6.63 -15.00	105.60 -6.44 -12.90	102.59 -6.81 -12.06	100.26 -7.10 -10.12	95.07 -7.93 -6.25	93.33 -7.65 -4.14	93.80 -6.04 -2.47
SENECA___ENERGY 23797	79.24 -1.50 -5.89	75.32 -1.37 -4.66	75.39 -1.32 -3.00	75.85 -1.28 -1.83	79.40 -1.31 -3.68	95.67 -2.07 -3.45	106.34 -0.69 -7.27	111.41 -0.98 -14.49	104.72 -1.56 -9.04	90.29 -2.03 -11.16	94.60 -1.80 -6.34	84.64 -1.68 -6.48	77.15 -1.63 -7.60	76.76 -1.56 -7.26	77.79 -1.50 -8.14	85.45 -1.66 -8.20	103.40 -2.14 -8.50	107.99 -1.56 -12.12	108.29 -1.29 -10.43	105.42 -1.66 -9.74	103.57 -1.85 -8.18	99.19 -2.61 -5.06	97.57 -2.61 -3.34	96.93 -2.43 -2.01
SHOEMAKER___GT 23640	115.45 3.00 -37.61	106.65 2.88 -31.73	98.59 2.95 -21.93	94.48 3.02 -16.16	105.28 3.16 -25.08	119.18 3.87 -21.02	153.98 4.49 -49.72	188.75 4.30 -86.56	160.72 4.57 -58.91	151.46 3.74 -66.57	131.95 4.06 -37.84	122.18 3.67 -38.66	119.80 3.28 -45.34	117.72 3.34 -43.32	123.06 3.34 -48.58	131.46 3.63 -48.91	152.45 4.66 -50.75	175.57 4.87 -73.26	171.06 4.96 -66.96	160.72 4.77 -58.62	151.66 4.67 -49.75	131.85 4.36 -30.75	121.43 4.26 -20.34	116.14 3.79 -14.99
SHOEMAKR_138KV_BK 111 55601	115.16 2.99 -37.32	106.39 2.88 -31.48	98.42 2.95 -21.76	94.34 3.01 -16.03	105.01 3.08 -24.89	118.92 3.77 -20.86	153.38 4.29 -49.33	188.00 4.21 -85.89	160.24 4.47 -58.53	151.05 3.73 -66.15	131.71 4.05 -37.61	121.94 3.67 -38.42	119.51 3.27 -45.06	117.38 3.27 -43.05	122.76 3.34 -48.28	131.15 3.63 -48.61	152.06 4.66 -50.36	174.92 4.87 -72.61	170.47 4.96 -66.36	160.11 4.67 -58.10	151.22 4.67 -49.31	131.57 4.35 -30.47	121.16 4.16 -20.15	116.02 3.80 -14.87
SHOREHAM_IC_1 23715	132.45 7.71 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.60 7.83 -34.47	117.73 8.09 -32.60	142.22 9.99 -37.94	188.41 10.97 -77.67	216.41 11.06 -107.45	274.61 11.18 -166.20	209.27 9.09 -119.02	208.65 10.08 -108.51	199.33 8.86 -110.63	149.71 7.90 -70.63	148.24 8.10 -69.08	152.54 8.11 -73.29	249.61 8.68 -162.01	166.63 10.48 -59.10	215.62 10.91 -107.26	224.85 10.91 -114.79	188.16 10.71 -80.11	185.76 10.60 -77.92	161.23 10.55 -53.94	142.24 10.94 -34.46	142.21 10.22 -34.63
SHOREHAM_IC_2 23716	132.45 7.71 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.60 7.83 -34.47	117.73 8.09 -32.60	142.22 9.99 -37.94	188.41 10.97 -77.67	216.41 11.06 -107.45	274.61 11.18 -166.20	209.27 9.09 -119.02	208.65 10.08 -108.51	199.33 8.86 -110.63	149.71 7.90 -70.63	148.24 8.10 -69.08	152.54 8.11 -73.29	249.61 8.68 -162.01	166.63 10.48 -59.10	215.62 10.91 -107.26	224.85 10.91 -114.79	188.16 10.71 -80.11	185.76 10.60 -77.92	161.23 10.55 -53.94	142.24 10.94 -34.46	142.21 10.22 -34.63
SISSONVILLE___ 23735	76.73 1.12 -0.76	73.57 0.94 -0.60	74.98 0.88 -0.39	76.44 0.90 -0.24	78.44 0.92 -0.48	95.68 0.94 -0.45	101.40 0.70 -0.94	99.73 0.00 -1.84	97.70 -0.68 -1.14	82.33 -0.24 -1.41	90.77 -0.09 -0.80	80.90 0.24 -0.82	72.36 0.21 -0.96	72.27 0.28 -0.92	72.39 0.21 -1.03	79.56 -0.39 -1.04	97.05 -1.07 -1.08	96.63 -2.24 -1.43	97.92 -2.58 -1.34	96.16 -2.24 -1.07	96.16 -2.14 -1.05	96.33 -1.06 -0.65	97.17 -0.10 -0.43	97.59 0.00 -0.23
SITHE_IND_GS1 24169	75.02 -3.07 -3.25	71.72 -2.88 -2.57	72.41 -2.95 -1.66	73.29 -3.01 -1.01	75.98 -3.08 -2.03	92.33 -3.87 -1.90	100.28 -3.49 -4.01	102.10 -3.62 -7.83	98.33 -3.79 -4.88	83.78 -3.41 -6.03	89.79 -3.70 -3.43	80.07 -3.28 -3.50	72.30 -2.99 -4.11	72.00 -2.98 -3.92	72.62 -2.92 -4.40	80.11 -3.24 -4.43	97.65 -3.98 -4.59	99.84 -3.70 -6.10	101.23 -3.67 -5.74	98.09 -3.80 -4.55	97.95 -3.79 -4.51	95.37 -4.16 -2.78	94.62 -4.06 -1.84	94.38 -4.09 -1.10
SITHE_IND_GS2 24170	75.02 -3.07 -3.25	71.72 -2.88 -2.57	72.41 -2.95 -1.66	73.29 -3.01 -1.01	75.98 -3.08 -2.03	92.33 -3.87 -1.90	100.28 -3.49 -4.01	102.10 -3.62 -7.83	98.33 -3.79 -4.88	83.78 -3.41 -6.03	89.79 -3.70 -3.43	80.07 -3.28 -3.50	72.30 -2.99 -4.11	72.00 -2.98 -3.92	72.62 -2.92 -4.40	80.11 -3.24 -4.43	97.65 -3.98 -4.59	99.84 -3.70 -6.10	101.23 -3.67 -5.74	98.09 -3.80 -4.55	97.95 -3.79 -4.51	95.37 -4.16 -2.78	94.62 -4.06 -1.84	94.38 -4.09 -1.10
SITHE_IND_GS3 24171	75.02 -3.07 -3.25	71.72 -2.88 -2.57	72.41 -2.95 -1.66	73.29 -3.01 -1.01	75.98 -3.08 -2.03	92.33 -3.87 -1.90	100.28 -3.49 -4.01	102.10 -3.62 -7.83	98.33 -3.79 -4.88	83.78 -3.41 -6.03	89.79 -3.70 -3.43	80.07 -3.28 -3.50	72.30 -2.99 -4.11	72.00 -2.98 -3.92	72.62 -2.92 -4.40	80.11 -3.24 -4.43	97.65 -3.98 -4.59	99.84 -3.70 -6.10	101.23 -3.67 -5.74	98.09 -3.80 -4.55	97.95 -3.79 -4.51	95.37 -4.16 -2.78	94.62 -4.06 -1.84	94.38 -4.09 -1.10
SITHE_IND_GS4 24172	75.02 -3.07 -3.25	71.72 -2.88 -2.57	72.41 -2.95 -1.66	73.29 -3.01 -1.01	75.98 -3.08 -2.03	92.33 -3.87 -1.90	100.28 -3.49 -4.01	102.10 -3.62 -7.83	98.33 -3.79 -4.88	83.78 -3.41 -6.03	89.79 -3.70 -3.43	80.07 -3.28 -3.50	72.30 -2.99 -4.11	72.00 -2.98 -3.92	72.62 -2.92 -4.40	80.11 -3.24 -4.43	97.65 -3.98 -4.59	99.84 -3.70 -6.10	101.23 -3.67 -5.74	98.09 -3.80 -4.55	97.95 -3.79 -4.51	95.37 -4.16 -2.78	94.62 -4.06 -1.84	94.38 -4.09 -1.10



SITHE___BATAVIA 24024	78.08 -3.14 -6.38	74.48 -2.59 -5.04	74.45 -2.51 -3.25	74.87 -2.41 -1.98	78.40 -2.62 -3.98	94.35 -3.68 -3.74	105.35 -2.29 -7.87	109.49 -3.82 -15.41	102.10 -4.76 -9.62	88.08 -4.95 -11.87	92.21 -4.59 -6.75	82.82 -3.91 -6.89	75.28 -3.98 -8.08	75.02 -3.77 -7.72	76.18 -3.63 -8.66	83.37 -4.26 -8.72	100.74 -5.34 -9.04	106.14 -4.38 -13.08	106.34 -4.07 -11.25	103.37 -4.48 -10.51	101.31 -4.76 -8.83	96.40 -5.80 -5.46	95.12 -5.33 -3.61	95.24 -4.28 -2.17
SITHE___INDEPEND 23800	75.03 -3.07 -3.25	71.72 -2.88 -2.57	72.42 -2.95 -1.66	73.30 -3.01 -1.01	75.98 -3.08 -2.03	92.33 -3.87 -1.90	99.98 -3.79 -4.01	102.11 -3.62 -7.84	98.24 -3.89 -4.89	83.78 -3.41 -6.03	89.79 -3.69 -3.43	80.07 -3.27 -3.50	72.37 -2.92 -4.11	72.00 -2.98 -3.92	72.62 -2.92 -4.40	80.11 -3.24 -4.43	97.66 -3.98 -4.60	99.83 -3.70 -6.09	101.22 -3.67 -5.73	98.09 -3.80 -4.55	97.95 -3.79 -4.50	95.36 -4.16 -2.78	94.51 -4.16 -1.84	94.37 -4.09 -1.10
SITHE___MASSENA 23902	74.77 -0.07 0.00	71.89 -0.14 0.00	73.49 -0.22 0.00	75.08 -0.23 0.00	76.73 -0.31 0.00	93.92 -0.38 0.00	97.37 -2.40 0.00	96.82 -1.07 0.00	95.78 -1.46 0.00	80.35 -0.81 0.00	88.98 -1.08 0.00	79.04 -0.80 0.00	70.69 -0.49 0.00	70.49 -0.57 0.00	70.50 -0.64 0.00	78.05 -0.87 0.00	95.68 -1.36 0.00	95.69 -1.75 0.00	97.06 -2.09 0.00	95.68 -1.66 0.00	95.68 -1.56 0.00	95.97 -0.78 0.00	96.17 -0.67 0.00	96.97 -0.39 0.00
SITHE___OGDNSBRG 24021	76.34 1.50 0.00	73.33 1.30 0.00	74.96 1.25 0.00	76.58 1.28 0.00	78.27 1.23 0.00	95.80 1.51 0.00	101.06 1.30 0.00	98.97 1.08 0.00	97.63 0.39 0.00	81.65 0.49 0.00	90.42 0.36 0.00	80.24 0.40 0.00	71.54 0.36 0.00	71.56 0.50 0.00	71.57 0.43 0.00	79.23 0.32 0.00	97.23 0.19 0.00	97.15 -0.29 0.00	98.46 -0.69 0.00	96.95 -0.39 0.00	96.95 -0.29 0.00	97.23 0.48 0.00	97.81 0.97 0.00	98.53 1.17 0.00
SITHE___STERLING 23777	80.08 2.55 -2.69	76.61 2.45 -2.12	77.59 2.51 -1.37	78.70 2.56 -0.83	81.41 2.69 -1.68	99.26 3.39 -1.58	107.57 4.49 -3.32	109.15 4.70 -6.56	105.71 4.38 -4.09	89.37 3.16 -5.05	96.26 3.33 -2.87	85.57 2.79 -2.93	77.04 2.42 -3.44	76.77 2.42 -3.29	77.32 2.49 -3.69	85.46 2.84 -3.71	104.67 3.78 -3.85	106.57 4.09 -5.04	108.06 4.16 -4.74	104.89 3.79 -3.76	104.66 3.69 -3.72	102.14 3.10 -2.30	101.46 3.10 -1.52	101.29 3.02 -0.91
SLEIGHT__34_KV_TB1 80719	78.52 -1.87 -5.55	74.76 -1.66 -4.38	74.92 -1.62 -2.83	75.44 -1.58 -1.72	78.88 -1.62 -3.46	95.38 -2.17 -3.25	104.92 -1.70 -6.85	109.80 -1.57 -13.47	103.34 -2.33 -8.43	89.05 -2.52 -10.40	93.72 -2.25 -5.91	83.89 -2.00 -6.04	76.42 -1.85 -7.09	75.84 -1.99 -6.77	76.81 -1.92 -7.59	84.43 -2.13 -7.64	102.41 -2.52 -7.90	106.88 -2.05 -11.48	107.26 -1.78 -9.89	104.42 -2.14 -9.22	102.67 -2.33 -7.76	98.35 -3.19 -4.80	96.82 -3.20 -3.17	96.42 -2.82 -1.89
SOUTH CAIRO___GT 23612	133.03 5.16 -53.02	126.89 5.26 -49.60	116.79 5.45 -37.63	114.68 5.65 -33.73	122.04 5.70 -39.30	128.77 7.35 -27.12	185.23 7.38 -78.09	215.95 6.36 -111.69	192.33 6.32 -88.77	171.97 4.79 -86.03	144.18 5.22 -48.90	134.35 4.55 -49.96	133.69 3.91 -58.59	130.88 3.84 -55.98	137.69 3.77 -62.78	146.78 4.66 -63.21	168.83 6.31 -65.49	203.94 6.92 -99.58	202.17 7.34 -95.68	186.98 7.01 -82.63	168.43 6.81 -64.38	142.82 6.29 -39.79	129.74 6.59 -26.32	130.62 6.82 -26.44
SOUTH HAMPTN___IC 23720	132.90 8.16 -49.89	117.86 7.85 -37.98	113.96 8.11 -32.14	118.27 8.51 -34.47	118.42 8.78 -32.60	143.07 10.84 -37.94	189.30 11.87 -77.67	217.39 12.04 -107.45	274.71 12.25 -165.21	209.61 9.98 -118.47	209.07 11.16 -107.85	199.62 9.74 -110.04	150.35 8.54 -70.63	148.67 8.52 -69.08	152.90 8.46 -73.29	248.80 8.99 -160.90	167.40 11.25 -59.10	216.10 11.49 -107.17	225.31 11.50 -114.66	188.93 11.48 -80.11	186.42 11.47 -77.71	161.86 11.31 -53.80	143.11 11.81 -34.46	143.18 11.19 -34.63
SOUTHDOW_115KV_TB1 355954	79.98 -3.14 -8.28	76.40 -2.74 -7.10	76.12 -2.58 -4.99	76.49 -2.64 -3.82	80.03 -2.62 -5.62	94.52 -4.34 -4.57	106.18 -3.19 -9.61	113.37 -3.13 -18.61	104.58 -4.28 -11.62	91.77 -3.73 -14.34	94.88 -3.33 -8.15	85.78 -2.40 -8.33	78.81 -2.14 -9.77	78.05 -2.35 -9.33	78.97 -2.63 -10.47	86.30 -3.16 -10.54	103.87 -4.08 -10.91	110.68 -2.63 -15.87	110.41 -2.38 -13.64	107.18 -2.92 -12.77	104.54 -3.40 -10.70	99.10 -4.26 -6.61	96.95 -4.37 -4.37	96.96 -3.02 -2.62
SOUTHOLD_69_KV_BK 2 55809	133.27 8.53 -49.89	118.37 8.36 -37.98	114.62 8.77 -32.14	119.11 9.34 -34.47	119.35 9.71 -32.60	144.30 12.07 -37.94	190.60 13.37 -77.67	219.05 13.71 -107.45	276.26 13.81 -165.21	211.09 11.44 -118.48	210.60 12.70 -107.85	200.66 10.78 -110.04	151.16 9.32 -70.65	149.12 8.95 -69.10	153.28 8.82 -73.31	249.19 9.39 -160.88	167.98 11.84 -59.10	216.67 12.08 -107.14	225.98 12.20 -114.63	189.70 12.26 -80.10	187.47 12.54 -77.68	163.01 12.48 -53.79	144.17 12.88 -34.45	144.64 12.66 -34.63
SOUTHOLD___IC 23719	133.34 8.60 -49.89	118.36 8.35 -37.98	114.62 8.77 -32.14	119.10 9.34 -34.47	119.35 9.71 -32.60	144.30 12.07 -37.94	190.81 13.37 -77.67	219.05 13.70 -107.45	276.33 13.90 -165.18	211.06 11.45 -118.45	210.59 12.70 -107.83	200.64 10.77 -110.02	151.06 9.25 -70.63	149.17 9.03 -69.08	153.25 8.82 -73.29	249.08 9.31 -160.86	167.98 11.83 -59.10	216.69 12.08 -107.17	226.00 12.19 -114.65	189.71 12.26 -80.11	187.39 12.45 -77.70	163.03 12.48 -53.80	144.37 13.07 -34.46	144.64 12.65 -34.63
SOUTH_FORK_WT_PWR 323839	132.90 8.16 -49.89	118.08 8.07 -37.98	114.32 8.47 -32.14	118.95 9.18 -34.47	119.27 9.63 -32.60	144.11 11.88 -37.94	190.60 13.17 -77.67	218.95 13.60 -107.45	276.35 13.90 -165.20	211.14 11.52 -118.46	210.50 12.61 -107.84	200.58 10.70 -110.03	150.71 8.90 -70.63	148.67 8.52 -69.08	152.61 8.18 -73.29	248.40 8.60 -160.88	167.11 10.96 -59.10	215.81 11.20 -107.17	225.01 11.20 -114.66	189.03 11.58 -80.11	186.90 11.96 -77.71	162.74 12.19 -53.80	144.28 12.98 -34.46	144.64 12.65 -34.63
SPIERFLS_115KV_TB 1 80737	153.83 6.36 -72.62	160.73 6.12 -82.58	151.69 6.27 -71.71	160.81 6.40 -79.11	149.27 6.55 -65.68	129.66 5.75 -29.62	237.25 6.48 -131.00	226.32 6.46 -121.97	242.23 6.52 -138.47	180.45 5.36 -93.94	149.49 6.03 -53.40	139.19 4.79 -54.56	139.43 4.27 -63.98	136.17 3.98 -61.13	143.60 3.91 -68.55	152.35 4.42 -69.02	174.18 5.63 -71.51	228.01 6.24 -124.33	239.38 6.25 -133.98	215.96 6.13 -112.49	173.30 5.93 -70.13	145.98 5.90 -43.34	131.41 5.91 -28.66	157.45 7.89 -52.20
ST LAWRENCE____ 23600	73.80 -1.05 0.00	70.95 -1.08 0.00	72.53 -1.18 0.00	74.02 -1.28 0.00	75.80 -1.24 0.00	92.78 -1.51 0.00	97.07 -2.69 0.00	95.74 -2.15 0.00	94.91 -2.33 0.00	79.61 -1.54 0.00	88.16 -1.90 0.00	78.16 -1.68 0.00	69.76 -1.42 0.00	69.64 -1.42 0.00	69.72 -1.42 0.00	77.34 -1.58 0.00	94.90 -2.14 0.00	95.01 -2.43 0.00	96.57 -2.58 0.00	95.10 -2.23 0.00	95.10 -2.14 0.00	95.19 -1.55 0.00	95.29 -1.55 0.00	96.19 -1.16 0.00
STATE_CA_115KV_115_LB 55624	141.41 3.07 -63.49	141.42 3.03 -66.36	131.53 3.17 -54.65	134.58 3.24 -56.04	132.97 3.24 -52.70	127.34 4.15 -28.90	208.70 3.99 -104.94	220.82 3.92 -119.00	215.65 4.08 -114.33	176.23 3.41 -91.66	146.39 4.23 -52.10	136.99 3.91 -53.23	136.95 3.35 -62.43	133.98 3.27 -59.64	141.16 3.13 -66.89	149.73 3.47 -67.34	170.99 4.17 -69.77	215.12 4.29 -113.40	219.38 4.36 -115.87	200.16 4.28 -98.54	169.85 4.18 -68.43	143.10 4.06 -42.29	129.26 4.45 -27.97	140.91 4.28 -39.27



STATE_ST_34_KV_LOAD 55959	80.06 -0.60 -5.82	76.05 -0.58 -4.60	76.16 -0.52 -2.96	76.58 -0.53 -1.80	80.13 -0.54 -3.63	96.95 -0.75 -3.41	106.94 0.00 -7.18	112.51 0.39 -14.22	106.09 -0.10 -8.94	91.71 -0.49 -11.04	95.97 -0.36 -6.27	85.77 -0.48 -6.41	78.27 -0.43 -7.52	77.68 -0.57 -7.18	78.70 -0.50 -8.05	86.47 -0.55 -8.11	104.79 -0.58 -8.34	109.54 -0.10 -12.19	109.75 0.10 -10.50	106.94 -0.19 -9.80	105.09 -0.39 -8.24	100.67 -1.16 -5.09	98.95 -1.26 -3.37	98.07 -1.27 -1.98
STATION 5_MISC_HYD 23604	78.20 -2.32 -5.68	74.58 -1.94 -4.49	74.69 -1.92 -2.89	75.18 -1.88 -1.76	78.58 -2.00 -3.54	94.79 -2.83 -3.33	105.07 -1.70 -7.01	108.90 -2.74 -13.74	102.51 -3.31 -8.58	88.26 -3.49 -10.58	92.92 -3.15 -6.02	83.27 -2.71 -6.15	75.61 -2.78 -7.21	75.32 -2.63 -6.89	76.31 -2.56 -7.72	83.69 -3.00 -7.78	101.31 -3.79 -8.06	105.87 -3.21 -11.64	106.21 -2.97 -10.03	103.47 -3.21 -9.35	101.70 -3.41 -7.87	97.26 -4.35 -4.86	96.08 -3.97 -3.22	95.88 -3.41 -1.93
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	79.24 -1.27 -5.67	75.57 -0.94 -4.48	75.64 -0.96 -2.89	76.23 -0.83 -1.76	79.65 -0.92 -3.53	96.20 -1.41 -3.32	105.86 -0.90 -7.00	110.87 -0.78 -13.76	104.20 -1.65 -8.61	89.76 -2.03 -10.63	94.57 -1.53 -6.04	84.58 -1.44 -6.17	77.14 -1.28 -7.24	76.56 -1.42 -6.92	77.62 -1.28 -7.76	85.22 -1.50 -7.81	103.26 -1.84 -8.07	107.91 -1.27 -11.73	108.27 -0.99 -10.11	105.39 -1.36 -9.42	103.62 -1.56 -7.93	99.13 -2.52 -4.90	97.56 -2.52 -3.24	97.24 -2.04 -1.93
STA_56_34_KV_BUS2_REV_LBMP_B 345033	77.86 -2.62 -5.64	74.18 -2.31 -4.46	74.30 -2.29 -2.87	74.87 -2.18 -1.75	78.17 -2.39 -3.52	94.39 -3.21 -3.31	103.73 -2.99 -6.96	108.50 -3.03 -13.64	101.87 -3.89 -8.52	87.94 -3.73 -10.52	92.61 -3.42 -5.98	83.00 -2.95 -6.11	75.71 -2.63 -7.16	74.99 -2.91 -6.84	76.04 -2.77 -7.67	83.41 -3.24 -7.73	101.06 -3.98 -8.00	105.54 -3.51 -11.61	105.88 -3.27 -10.00	103.15 -3.50 -9.32	101.39 -3.70 -7.85	97.05 -4.55 -4.85	95.50 -4.55 -3.21	95.57 -3.70 -1.92
STA_56___34_KV_BUS2 355983	77.86 -2.62 -5.64	74.18 -2.31 -4.46	74.30 -2.29 -2.87	74.87 -2.18 -1.75	78.17 -2.39 -3.52	94.39 -3.21 -3.31	103.73 -2.99 -6.96	108.50 -3.03 -13.64	101.87 -3.89 -8.52	87.94 -3.73 -10.52	92.61 -3.42 -5.98	83.00 -2.95 -6.11	75.71 -2.63 -7.16	74.99 -2.91 -6.84	76.04 -2.77 -7.67	83.41 -3.24 -7.73	101.06 -3.98 -8.00	105.54 -3.51 -11.61	105.88 -3.27 -10.00	103.15 -3.50 -9.32	101.39 -3.70 -7.85	97.05 -4.55 -4.85	95.50 -4.55 -3.21	95.57 -3.70 -1.92
STA_67___115KV_BK2 355882	77.97 -2.54 -5.67	74.35 -2.16 -4.48	74.54 -2.06 -2.89	75.03 -2.03 -1.76	78.34 -2.23 -3.54	94.60 -3.02 -3.33	103.77 -2.99 -7.00	108.58 -3.03 -13.72	101.92 -3.89 -8.57	88.00 -3.73 -10.58	92.65 -3.42 -6.01	83.11 -2.87 -6.14	75.75 -2.63 -7.20	75.10 -2.84 -6.88	76.16 -2.70 -7.72	83.45 -3.24 -7.77	101.10 -3.98 -8.04	105.71 -3.41 -11.68	106.04 -3.17 -10.06	103.21 -3.50 -9.37	101.44 -3.70 -7.89	97.08 -4.55 -4.88	95.61 -4.45 -3.23	95.68 -3.60 -1.93
STA_7___115KV_9TRANS 80674	78.58 -1.95 -5.68	74.93 -1.58 -4.49	74.98 -1.62 -2.89	75.56 -1.51 -1.76	78.88 -1.69 -3.54	95.26 -2.36 -3.33	104.48 -2.29 -7.01	109.37 -2.25 -13.73	102.71 -3.11 -8.58	88.66 -3.08 -10.59	93.46 -2.61 -6.02	83.75 -2.24 -6.15	76.40 -1.99 -7.21	75.68 -2.27 -6.89	76.80 -2.06 -7.72	84.17 -2.53 -7.78	101.89 -3.20 -8.05	106.50 -2.63 -11.69	106.84 -2.38 -10.07	103.99 -2.73 -9.38	102.32 -2.82 -7.90	97.76 -3.87 -4.88	96.29 -3.78 -3.23	96.37 -2.92 -1.93
STA_82___115KV_TB1 80780	78.07 -2.47 -5.70	74.45 -2.09 -4.50	74.55 -2.06 -2.90	75.03 -2.03 -1.77	78.43 -2.16 -3.55	94.61 -3.02 -3.34	103.90 -2.89 -7.03	108.74 -2.94 -13.78	102.06 -3.79 -8.61	88.05 -3.73 -10.63	92.68 -3.42 -6.04	83.14 -2.87 -6.17	75.86 -2.56 -7.24	75.14 -2.84 -6.92	76.19 -2.70 -7.75	83.57 -3.16 -7.81	101.14 -3.98 -8.08	105.76 -3.41 -11.73	106.09 -3.17 -10.11	103.25 -3.50 -9.42	101.57 -3.60 -7.93	97.10 -4.55 -4.90	95.63 -4.45 -3.24	95.69 -3.60 -1.94
STEEL___WIND 323596	77.29 -4.86 -7.31	73.49 -4.32 -5.77	73.31 -4.13 -3.72	73.28 -4.29 -2.26	77.12 -4.47 -4.56	92.07 -6.50 -4.28	103.90 -4.89 -9.02	108.94 -6.56 -17.61	100.83 -7.39 -10.99	88.06 -6.65 -13.56	91.10 -6.66 -7.71	82.21 -5.51 -7.87	75.00 -5.41 -9.23	74.77 -5.12 -8.82	75.70 -5.34 -9.89	82.64 -6.24 -9.96	99.51 -7.86 -10.32	105.68 -6.72 -14.96	105.37 -6.64 -12.86	102.36 -7.01 -12.03	100.04 -7.29 -10.09	94.95 -8.03 -6.24	93.51 -7.45 -4.13	93.70 -6.13 -2.47
STEPHTWN_115KV_BK_2 55603	136.52 3.74 -57.93	132.10 3.67 -56.39	121.69 3.83 -44.15	121.02 3.92 -41.80	125.69 3.93 -44.72	127.79 5.00 -28.50	193.58 4.89 -88.93	220.16 4.89 -117.37	201.82 5.06 -99.52	175.78 4.22 -90.40	146.49 5.04 -51.39	136.89 4.55 -52.50	136.66 3.91 -61.57	133.65 3.77 -58.82	140.66 3.56 -65.97	149.44 4.10 -66.42	170.90 5.05 -68.81	209.60 5.36 -106.80	209.42 5.45 -104.82	192.63 5.26 -90.04	169.89 5.15 -67.50	143.39 4.93 -41.71	129.76 5.33 -27.59	133.81 5.16 -31.29
STEUBEN_REC_LFGE 323667	83.19 -1.57 -9.91	79.18 -1.37 -8.52	78.60 -1.11 -6.00	78.86 -1.05 -4.61	82.77 -1.00 -6.74	97.67 -2.07 -5.46	112.76 -0.40 -13.39	120.62 -0.10 -22.82	111.48 -1.75 -15.99	96.32 -2.43 -17.60	97.81 -2.25 -10.00	87.99 -2.08 -10.22	81.32 -1.85 -11.99	80.53 -1.99 -11.45	81.92 -2.06 -12.84	89.87 -1.97 -12.93	108.48 -1.94 -13.38	116.57 -0.39 -19.52	117.03 -0.10 -17.97	112.48 -0.58 -15.73	109.50 -0.88 -13.13	102.73 -2.13 -8.12	99.98 -2.23 -5.37	99.98 -1.56 -4.18
STILLWATER___SOLAR 323814	151.64 5.31 -71.48	157.81 5.11 -80.67	148.68 5.23 -69.74	157.13 5.35 -76.48	146.66 5.47 -64.15	129.80 6.04 -29.47	234.57 6.88 -127.93	225.81 6.56 -121.35	239.54 6.70 -135.60	179.99 5.36 -93.48	149.23 6.03 -53.14	139.16 5.03 -54.29	139.26 4.41 -63.67	136.23 4.34 -60.83	143.70 4.34 -68.21	152.57 4.97 -68.68	174.49 6.30 -71.15	226.93 6.63 -122.86	237.62 6.75 -131.72	214.70 6.62 -110.75	173.62 6.62 -69.76	146.83 6.97 -43.11	132.33 6.98 -28.51	154.78 6.71 -50.71
STONY___BROOK 24151	132.30 7.56 -49.89	117.21 7.20 -37.98	113.15 7.30 -32.14	117.37 7.60 -34.47	117.42 7.78 -32.60	141.85 9.62 -37.94	187.92 10.47 -77.68	215.54 10.18 -107.47	283.02 10.51 -175.27	213.67 8.44 -124.07	214.25 9.54 -114.66	204.64 8.78 -116.02	149.66 7.83 -70.64	148.11 7.96 -69.09	152.41 7.97 -73.31	259.96 8.68 -172.36	167.11 10.96 -59.11	216.78 11.20 -108.14	226.44 11.30 -115.99	188.36 10.90 -80.13	187.77 10.70 -79.83	162.30 10.36 -55.20	141.86 10.56 -34.46	141.73 9.73 -34.63
STURGEON_POOL_HYD 23609	121.80 3.52 -43.43	113.02 3.39 -37.60	103.82 3.46 -26.65	99.67 3.54 -20.82	110.48 3.70 -29.75	122.69 4.62 -23.78	164.04 5.29 -58.99	200.80 4.99 -97.91	172.20 5.74 -69.22	161.28 4.71 -75.41	137.97 5.04 -42.87	128.27 4.63 -43.80	126.74 4.20 -51.36	124.33 4.19 -49.07	130.37 4.20 -55.03	138.90 4.58 -55.41	159.98 5.53 -57.41	187.75 5.75 -84.56	183.34 5.95 -78.24	171.09 5.55 -68.21	159.62 5.54 -56.84	137.09 5.22 -35.13	125.01 4.94 -23.23	120.09 4.38 -18.36
ST_LAW_115_BK7_LBMP 345037	73.80 -1.05 0.00	70.95 -1.08 0.00	72.53 -1.18 0.00	74.02 -1.28 0.00	75.73 -1.31 0.00	92.78 -1.51 0.00	96.87 -2.90 0.00	95.65 -2.25 0.00	94.81 -2.43 0.00	79.54 -1.62 0.00	88.07 -1.98 0.00	78.08 -1.76 0.00	69.76 -1.42 0.00	69.57 -1.50 0.00	69.64 -1.50 0.00	77.25 -1.66 0.00	94.81 -2.23 0.00	94.91 -2.53 0.00	96.38 -2.78 0.00	94.91 -2.43 0.00	95.01 -2.23 0.00	95.10 -1.65 0.00	95.19 -1.65 0.00	96.09 -1.27 0.00



ST_LAW_115_BK8_LBMP 345038	73.80 -1.05 0.00	70.95 -1.08 0.00	72.53 -1.18 0.00	74.02 -1.28 0.00	75.73 -1.31 0.00	92.78 -1.51 0.00	96.87 -2.90 0.00	95.65 -2.25 0.00	94.81 -2.43 0.00	79.54 -1.62 0.00	88.07 -1.98 0.00	78.08 -1.76 0.00	69.76 -1.42 0.00	69.57 -1.50 0.00	69.64 -1.50 0.00	77.25 -1.66 0.00	94.81 -2.23 0.00	94.91 -2.53 0.00	96.38 -2.78 0.00	94.91 -2.43 0.00	95.01 -2.23 0.00	95.10 -1.65 0.00	95.19 -1.65 0.00	96.09 -1.27 0.00
ST_LAW_230_BK5_LBMP 345035	73.80 -1.05 0.00	70.95 -1.08 0.00	72.53 -1.18 0.00	74.02 -1.28 0.00	75.80 -1.24 0.00	92.78 -1.51 0.00	97.07 -2.69 0.00	95.74 -2.15 0.00	94.91 -2.33 0.00	79.61 -1.54 0.00	88.16 -1.90 0.00	78.16 -1.68 0.00	69.76 -1.42 0.00	69.64 -1.42 0.00	69.72 -1.42 0.00	77.34 -1.58 0.00	94.90 -2.14 0.00	95.01 -2.43 0.00	96.57 -2.58 0.00	95.10 -2.23 0.00	95.10 -2.14 0.00	95.19 -1.55 0.00	95.29 -1.55 0.00	96.19 -1.16 0.00
ST_LAW_230_BK6_LBMP 345036	73.80 -1.05 0.00	70.95 -1.08 0.00	72.53 -1.18 0.00	74.02 -1.28 0.00	75.80 -1.24 0.00	92.78 -1.51 0.00	97.07 -2.69 0.00	95.74 -2.15 0.00	94.91 -2.33 0.00	79.61 -1.54 0.00	88.16 -1.90 0.00	78.16 -1.68 0.00	69.76 -1.42 0.00	69.64 -1.42 0.00	69.72 -1.42 0.00	77.34 -1.58 0.00	94.90 -2.14 0.00	95.01 -2.43 0.00	96.57 -2.58 0.00	95.10 -2.23 0.00	95.10 -2.14 0.00	95.19 -1.55 0.00	95.29 -1.55 0.00	96.19 -1.16 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	116.72 3.29 -38.58	107.76 3.17 -32.56	99.47 3.24 -22.51	95.22 3.31 -16.61	106.17 3.39 -25.74	120.09 4.24 -21.55	155.57 4.79 -51.02	191.35 4.70 -88.76	162.82 5.06 -60.52	153.74 4.22 -68.36	133.51 4.59 -38.86	123.70 4.15 -39.70	121.52 3.77 -46.56	119.32 3.77 -44.49	124.80 3.77 -49.89	133.25 4.10 -50.23	154.32 5.24 -52.04	177.84 5.36 -75.04	173.30 5.55 -68.59	162.65 5.26 -60.05	153.34 5.15 -50.95	133.16 4.93 -31.49	122.41 4.75 -20.83	116.93 4.19 -15.39
SWANROAD_115KV_TB1 355699	75.08 -6.59 -6.82	71.52 -5.91 -5.39	71.44 -5.75 -3.48	71.47 -5.95 -2.11	75.05 -6.24 -4.26	89.71 -8.58 -4.00	99.01 -9.18 -8.42	104.76 -9.59 -16.46	96.72 -10.79 -10.28	84.67 -9.17 -12.68	87.90 -9.37 -7.21	79.30 -7.90 -7.37	72.84 -6.98 -8.64	72.00 -7.32 -8.25	72.93 -7.47 -9.26	79.55 -8.68 -9.32	95.63 -11.06 -9.65	101.33 -10.13 -14.02	101.10 -10.11 -12.06	98.19 -10.41 -11.27	96.11 -10.60 -9.47	91.37 -11.22 -5.85	89.86 -10.85 -3.87	90.62 -9.05 -2.31
SYNERGY___BIOGAS 323694	78.08 -3.14 -6.38	74.48 -2.59 -5.04	74.45 -2.51 -3.25	74.87 -2.41 -1.98	78.40 -2.62 -3.98	94.35 -3.68 -3.74	105.35 -2.29 -7.87	109.49 -3.82 -15.41	102.10 -4.76 -9.62	88.08 -4.95 -11.87	92.21 -4.59 -6.75	82.82 -3.91 -6.89	75.28 -3.98 -8.08	75.02 -3.77 -7.72	76.18 -3.63 -8.66	83.37 -4.26 -8.72	100.74 -5.34 -9.04	106.14 -4.38 -13.08	106.34 -4.07 -11.25	103.37 -4.48 -10.51	101.31 -4.76 -8.83	96.40 -5.80 -5.46	95.12 -5.33 -3.61	95.24 -4.28 -2.17
SYRACUSE___ENERGY_ST1 323597	78.18 -1.50 -4.83	74.41 -1.44 -3.82	74.70 -1.47 -2.46	75.37 -1.43 -1.50	78.59 -1.46 -3.01	95.14 -1.98 -2.83	104.33 -1.40 -5.96	108.99 -0.98 -12.07	103.60 -1.26 -7.63	89.11 -1.46 -9.41	93.87 -1.53 -5.35	83.87 -1.44 -5.47	76.31 -1.28 -6.41	75.84 -1.35 -6.12	76.73 -1.28 -6.87	84.49 -1.34 -6.91	102.47 -1.65 -7.08	106.35 -1.46 -10.37	106.71 -1.39 -8.95	104.09 -1.56 -8.31	102.61 -1.65 -7.02	98.86 -2.23 -4.34	97.39 -2.32 -2.87	96.66 -2.34 -1.64
SYRACUSE___ENERGY_ST2 323598	78.18 -1.50 -4.83	74.41 -1.44 -3.82	74.70 -1.47 -2.46	75.37 -1.43 -1.50	78.59 -1.46 -3.01	95.14 -1.98 -2.83	104.33 -1.40 -5.96	108.99 -0.98 -12.07	103.60 -1.26 -7.63	89.11 -1.46 -9.41	93.87 -1.53 -5.35	83.87 -1.44 -5.47	76.31 -1.28 -6.41	75.84 -1.35 -6.12	76.73 -1.28 -6.87	84.49 -1.34 -6.91	102.47 -1.65 -7.08	106.35 -1.46 -10.37	106.71 -1.39 -8.95	104.09 -1.56 -8.31	102.61 -1.65 -7.02	98.86 -2.23 -4.34	97.39 -2.32 -2.87	96.66 -2.34 -1.64
SYRACUSE___POWER 24017	78.56 -1.27 -4.99	74.75 -1.22 -3.94	75.00 -1.25 -2.54	75.64 -1.20 -1.55	78.92 -1.23 -3.11	95.61 -1.60 -2.92	104.72 -1.20 -6.16	109.25 -0.78 -12.13	103.71 -1.17 -7.64	89.29 -1.30 -9.43	94.06 -1.35 -5.36	84.12 -1.20 -5.47	76.46 -1.14 -6.42	75.99 -1.21 -6.13	76.88 -1.14 -6.88	84.66 -1.18 -6.93	102.70 -1.46 -7.11	106.76 -1.07 -10.39	107.13 -0.99 -8.97	104.50 -1.17 -8.33	103.01 -1.26 -7.04	99.25 -1.84 -4.35	97.78 -1.94 -2.88	97.11 -1.95 -1.70
TALLMAN___138KV_BK151 55660	118.42 3.67 -39.90	109.26 3.53 -33.70	100.64 3.61 -23.32	96.22 3.69 -17.23	107.45 3.77 -26.64	121.19 4.62 -22.28	157.76 5.19 -52.81	194.93 5.29 -91.75	165.60 5.74 -62.62	156.61 4.79 -70.67	135.45 5.22 -40.17	125.67 4.79 -41.04	123.65 4.34 -48.13	121.38 4.33 -45.98	127.05 4.34 -51.57	135.49 4.66 -51.92	156.75 5.92 -53.79	181.11 6.04 -77.62	176.28 6.15 -70.98	165.31 5.84 -62.14	155.77 5.83 -52.69	134.82 5.51 -32.56	123.70 5.33 -21.54	117.97 4.67 -15.94
TEALLAVE_115KV_TB7 355573	77.49 -1.65 -4.30	73.91 -1.51 -3.39	74.35 -1.55 -2.19	75.05 -1.58 -1.33	78.10 -1.62 -2.68	94.73 -2.07 -2.52	103.37 -1.70 -5.30	107.15 -1.08 -10.33	102.45 -1.36 -6.57	87.72 -1.54 -8.10	93.13 -1.53 -4.61	83.11 -1.44 -4.71	75.42 -1.28 -5.52	74.99 -1.35 -5.27	75.70 -1.35 -5.91	83.45 -1.42 -5.95	101.16 -1.94 -6.06	104.07 -1.56 -8.19	105.37 -1.49 -7.71	101.79 -1.65 -6.11	101.44 -1.85 -6.05	98.16 -2.32 -3.74	96.89 -2.42 -2.47	96.38 -2.43 -1.46
TELGRAPH_34_KV_EAST 80808	76.75 -4.64 -6.54	73.10 -4.11 -5.17	73.06 -3.98 -3.33	73.34 -3.99 -2.03	76.88 -4.24 -4.08	92.19 -5.94 -3.84	101.65 -6.19 -8.08	107.23 -6.46 -15.79	99.42 -7.68 -9.86	86.51 -6.82 -12.17	90.31 -6.66 -6.92	81.32 -5.59 -7.07	74.49 -4.98 -8.29	73.73 -5.26 -7.92	74.76 -5.26 -8.88	81.62 -6.23 -8.94	98.44 -7.86 -9.26	103.88 -7.02 -13.45	103.89 -6.84 -11.58	101.04 -7.11 -10.81	98.93 -7.39 -9.08	94.14 -8.22 -5.61	92.52 -8.04 -3.71	93.15 -6.43 -2.22
TEMPLE___115KV_TB 2 55572	77.62 -1.57 -4.35	73.96 -1.51 -3.44	74.38 -1.55 -2.22	75.14 -1.51 -1.35	78.21 -1.54 -2.71	94.86 -1.98 -2.55	103.53 -1.60 -5.37	107.29 -1.08 -10.47	102.42 -1.46 -6.63	87.80 -1.54 -8.19	93.18 -1.53 -4.65	83.16 -1.44 -4.75	75.48 -1.28 -5.58	74.97 -1.42 -5.33	75.76 -1.35 -5.97	83.51 -1.42 -6.02	101.33 -1.84 -6.14	104.16 -1.56 -8.27	105.45 -1.49 -7.79	101.86 -1.65 -6.17	101.60 -1.75 -6.11	98.20 -2.32 -3.78	97.01 -2.32 -2.50	96.50 -2.34 -1.48
TIANA____69_KV_BK 1 55817	132.82 8.08 -49.89	117.72 7.71 -37.98	113.81 7.96 -32.14	118.05 8.28 -34.47	118.19 8.55 -32.60	142.88 10.65 -37.94	188.91 11.47 -77.67	217.09 11.75 -107.45	274.32 11.86 -165.21	209.38 9.74 -118.49	208.71 10.81 -107.85	199.39 9.50 -110.04	150.30 8.47 -70.65	148.62 8.46 -69.10	152.85 8.39 -73.31	248.80 9.00 -160.89	167.40 11.26 -59.10	215.99 11.40 -107.14	225.29 11.50 -114.63	188.82 11.39 -80.10	186.21 11.28 -77.69	161.66 11.13 -53.79	142.72 11.43 -34.45	142.89 10.90 -34.63
TILDEN___115KV_TB1 80814	78.56 -1.27 -4.99	74.75 -1.22 -3.94	75.00 -1.25 -2.54	75.64 -1.20 -1.55	78.92 -1.23 -3.11	95.61 -1.60 -2.92	104.72 -1.20 -6.16	109.25 -0.78 -12.13	103.71 -1.17 -7.64	89.29 -1.30 -9.43	94.06 -1.35 -5.36	84.12 -1.20 -5.47	76.46 -1.14 -6.42	75.99 -1.21 -6.13	76.88 -1.14 -6.88	84.66 -1.18 -6.93	102.70 -1.46 -7.11	106.76 -1.07 -10.39	107.13 -0.99 -8.97	104.50 -1.17 -8.33	103.01 -1.26 -7.04	99.25 -1.84 -4.35	97.78 -1.94 -2.88	97.11 -1.95 -1.70



TRIGEN___CC 323695	130.43 5.69 -49.89	115.48 5.47 -37.98	111.45 5.60 -32.14	115.49 5.72 -34.47	115.49 5.85 -32.60	139.39 7.17 -37.94	185.31 7.98 -77.57	213.37 8.13 -107.35	192.86 8.56 -87.06	163.21 7.06 -74.99	152.94 7.92 -54.96	150.64 7.19 -63.62	148.28 6.55 -70.55	146.53 6.47 -69.00	150.90 6.54 -73.21	157.71 7.02 -71.78	164.83 8.73 -59.06	205.98 8.96 -99.58	212.58 9.12 -104.31	185.99 8.66 -80.00	167.08 8.65 -61.19	148.01 8.32 -42.95	139.29 8.04 -34.41	139.34 7.40 -34.59
TRINITY___115KV___4 BK 55933	137.63 2.99 -59.79	134.72 2.95 -59.74	124.48 3.10 -47.67	125.05 3.16 -46.59	127.60 3.16 -47.40	126.88 3.96 -28.63	197.96 3.89 -94.30	219.52 3.72 -117.90	205.72 3.99 -104.49	175.29 3.33 -90.81	145.73 4.05 -51.62	136.25 3.67 -52.74	136.23 3.20 -61.85	133.28 3.13 -59.09	140.39 2.99 -66.26	148.95 3.31 -66.72	170.14 3.98 -69.12	210.63 4.19 -109.00	211.93 4.26 -108.51	194.31 4.09 -92.88	169.12 4.08 -67.80	142.61 3.97 -41.90	128.91 4.36 -27.71	135.52 4.19 -33.97
UNION___PROCESSING_DRP 323587	78.08 -2.47 -5.70	74.45 -2.09 -4.51	74.55 -2.06 -2.91	75.04 -2.03 -1.77	78.44 -2.16 -3.56	94.71 -2.92 -3.34	103.91 -2.89 -7.04	108.75 -2.94 -13.79	102.07 -3.79 -8.62	88.14 -3.65 -10.64	92.77 -3.33 -6.05	83.14 -2.87 -6.18	75.86 -2.56 -7.24	75.21 -2.77 -6.92	76.20 -2.70 -7.76	83.57 -3.16 -7.81	101.15 -3.98 -8.09	105.87 -3.31 -11.74	106.09 -3.17 -10.11	103.36 -3.41 -9.43	101.58 -3.60 -7.94	97.20 -4.45 -4.91	95.73 -4.36 -3.24	95.79 -3.50 -1.94
UPPER HUDSON___HYD 24058	153.83 6.36 -72.62	160.73 6.12 -82.58	151.69 6.26 -71.71	160.81 6.40 -79.11	149.26 6.54 -65.68	129.66 5.75 -29.62	237.45 6.68 -131.00	226.32 6.46 -121.97	242.34 6.62 -138.48	180.47 5.36 -93.95	149.50 6.03 -53.41	139.20 4.79 -54.56	139.37 4.20 -63.99	136.18 3.98 -61.14	143.61 3.91 -68.56	152.36 4.42 -69.03	174.27 5.72 -71.51	227.99 6.24 -124.31	239.36 6.25 -133.96	215.95 6.14 -112.48	173.48 6.13 -70.11	148.29 8.22 -43.33	133.63 8.14 -28.66	157.44 7.88 -52.20
UPPER RAQUET___HYD 24056	76.73 1.12 -0.76	73.57 0.93 -0.60	74.99 0.89 -0.39	76.45 0.91 -0.24	78.44 0.93 -0.48	95.68 0.94 -0.45	99.41 -1.30 -0.94	99.73 0.00 -1.83	97.51 -0.88 -1.14	82.33 -0.24 -1.41	90.77 -0.09 -0.80	80.90 0.24 -0.82	72.57 0.43 -0.96	72.27 0.29 -0.92	72.39 0.21 -1.03	79.56 -0.39 -1.04	97.15 -0.97 -1.08	96.48 -2.24 -1.27	97.77 -2.58 -1.20	96.05 -2.23 -0.95	96.04 -2.14 -0.94	96.26 -1.06 -0.58	96.94 -0.29 -0.38	97.59 0.00 -0.23
VALLEY44_115KV_TB2 355964	76.92 -6.51 -8.59	73.35 -6.05 -7.36	72.99 -5.90 -5.17	73.17 -6.10 -3.96	76.62 -6.24 -5.82	90.45 -8.58 -4.73	103.01 -8.28 -11.53	109.25 -7.93 -19.29	101.85 -8.85 -13.46	88.40 -7.63 -14.87	90.58 -7.92 -8.45	81.77 -6.71 -8.63	75.33 -5.98 -10.12	74.63 -6.11 -9.67	75.66 -6.33 -10.85	82.66 -7.18 -10.92	99.52 -8.83 -11.31	106.10 -7.80 -16.45	106.57 -7.73 -15.15	102.49 -8.08 -13.24	99.97 -8.36 -11.09	94.51 -9.09 -6.86	92.37 -9.01 -4.53	92.79 -8.08 -3.51
VALLEY___115KV_TB 1-4 80826	78.21 3.37 0.00	75.27 3.24 0.00	76.88 3.17 0.00	78.54 3.24 0.00	80.43 3.39 0.00	98.91 4.62 0.00	105.25 5.49 0.00	103.38 5.48 0.00	102.69 5.45 0.00	85.70 4.54 0.00	95.01 4.95 0.00	83.91 4.07 0.00	74.81 3.63 0.00	74.55 3.48 0.00	74.56 3.41 0.00	82.70 3.79 0.00	102.18 5.14 0.00	102.80 5.36 0.00	104.61 5.45 0.00	102.69 5.35 0.00	102.69 5.45 0.00	102.36 5.61 0.00	102.65 5.81 0.00	103.30 5.94 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	100.32 5.09 -20.39	96.37 4.83 -19.51	93.72 4.94 -15.07	94.30 5.05 -13.96	97.67 5.16 -15.47	110.81 6.32 -10.20	137.69 7.18 -30.75	147.56 7.64 -42.03	139.38 7.49 -34.65	119.63 6.09 -32.38	114.95 6.48 -18.41	104.24 5.59 -18.80	98.22 4.98 -22.05	96.90 4.76 -21.07	99.54 4.77 -23.63	107.99 5.29 -23.79	128.57 6.89 -24.64	143.26 7.31 -38.51	143.50 7.54 -36.82	137.16 7.20 -32.62	128.50 7.10 -24.16	118.35 6.68 -14.93	113.21 6.49 -9.88	114.43 6.43 -10.65
VISCHER___FERRY HYD 24020	147.08 4.49 -67.74	150.65 4.32 -74.29	141.26 4.42 -63.12	147.46 4.52 -67.64	140.71 4.62 -59.05	128.79 5.47 -29.03	223.55 6.09 -117.70	223.32 5.87 -119.55	229.39 6.13 -126.02	178.12 4.87 -92.09	147.81 5.40 -52.35	138.04 4.71 -53.48	138.03 4.13 -62.72	135.11 4.12 -59.93	142.54 4.20 -67.20	151.23 4.65 -67.66	173.06 5.92 -70.10	221.76 6.14 -118.17	229.75 6.25 -124.35	208.41 6.04 -105.04	172.00 6.03 -68.73	145.22 6.00 -42.47	130.94 6.01 -28.09	148.81 5.74 -45.71
V_A_10_SYNC_DSASP 323832	76.83 -4.26 -6.24	73.22 -3.75 -4.93	73.28 -3.61 -3.18	73.55 -3.69 -1.93	77.01 -3.93 -3.89	92.39 -5.56 -3.66	103.08 -4.39 -7.71	106.91 -6.07 -15.08	99.94 -6.71 -9.41	86.60 -6.17 -11.61	90.53 -6.13 -6.60	81.47 -5.11 -6.74	74.04 -5.05 -7.91	73.79 -4.83 -7.56	74.63 -4.98 -8.47	81.69 -5.76 -8.53	98.50 -7.38 -8.84	103.61 -6.63 -12.80	103.62 -6.55 -11.02	100.80 -6.82 -10.28	98.88 -7.00 -8.65	94.34 -7.74 -5.34	93.21 -7.17 -3.53	93.54 -5.94 -2.12
V_CMM_10_SYNC_DSASP 323787	74.17 -0.67 0.00	71.31 -0.72 0.00	72.90 -0.81 0.00	74.48 -0.83 0.00	76.19 -0.85 0.00	93.26 -1.04 0.00	97.37 -2.40 0.00	96.14 -1.76 0.00	95.19 -2.05 0.00	79.86 -1.30 0.00	88.44 -1.62 0.00	78.48 -1.36 0.00	70.12 -1.07 0.00	69.92 -1.14 0.00	70.00 -1.14 0.00	77.57 -1.34 0.00	95.19 -1.85 0.00	95.30 -2.14 0.00	96.77 -2.38 0.00	95.29 -2.05 0.00	95.39 -1.85 0.00	95.59 -1.16 0.00	95.68 -1.16 0.00	96.48 -0.88 0.00
V_CMP_10_SYNC_DSASP 323788	74.70 -0.15 0.00	71.75 -0.29 0.00	73.27 -0.44 0.00	74.62 -0.68 0.00	76.42 -0.62 0.00	93.73 -0.56 0.00	97.47 -2.29 0.00	96.33 -1.57 0.00	95.19 -2.05 0.00	79.94 -1.22 0.00	87.99 -2.07 0.00	77.85 -1.99 0.00	69.33 -1.85 0.00	69.00 -2.06 0.00	69.29 -1.85 0.00	77.18 -1.74 0.00	95.10 -1.94 0.00	95.98 -1.46 0.00	97.76 -1.39 0.00	96.46 -0.88 0.00	96.66 -0.58 0.00	97.04 0.29 0.00	97.03 0.19 0.00	98.72 1.36 0.00
V_D_10_SYNC_DSASP 323841	74.77 -0.07 0.00	71.89 -0.14 0.00	73.49 -0.22 0.00	75.08 -0.23 0.00	76.73 -0.31 0.00	93.92 -0.38 0.00	97.37 -2.40 0.00	96.82 -1.07 0.00	95.78 -1.46 0.00	80.35 -0.81 0.00	88.98 -1.08 0.00	79.04 -0.80 0.00	70.61 -0.57 0.00	70.49 -0.57 0.00	70.50 -0.64 0.00	78.05 -0.87 0.00	95.68 -1.36 0.00	95.69 -1.75 0.00	97.06 -2.09 0.00	95.68 -1.66 0.00	95.68 -1.56 0.00	95.97 -0.78 0.00	96.17 -0.67 0.00	96.97 -0.39 0.00
V_E_10_SYNC_DSASP 323830	95.65 6.66 -14.14	90.98 6.20 -12.75	89.50 6.41 -9.38	89.77 6.55 -7.92	93.83 6.70 -10.09	110.35 8.58 -7.48	131.08 11.27 -20.04	140.32 11.55 -30.88	131.01 10.60 -23.17	112.73 7.79 -23.78	111.68 8.11 -13.52	100.28 6.62 -13.81	93.07 5.70 -16.20	92.15 5.61 -15.47	94.25 5.76 -17.35	103.33 6.95 -17.47	125.05 9.90 -18.11	135.75 11.20 -27.11	136.11 11.60 -25.37	130.46 10.80 -22.33	125.36 10.41 -17.71	116.89 9.20 -10.95	113.09 9.01 -7.24	112.84 8.95 -6.53
V_F_30_NSYNC___DSASP 323816	152.23 5.39 -71.99	158.75 5.19 -81.52	149.64 5.31 -70.62	158.39 5.42 -77.66	147.43 5.55 -64.84	129.95 6.13 -29.54	236.05 6.98 -129.30	226.19 6.66 -121.63	240.93 6.80 -136.89	180.37 5.52 -93.69	149.44 6.13 -53.26	139.44 5.19 -54.41	139.55 4.56 -63.81	136.51 4.48 -60.97	143.92 4.41 -68.37	152.73 4.97 -68.84	174.76 6.40 -71.31	227.67 6.72 -123.51	238.71 6.84 -132.73	215.57 6.71 -111.52	173.78 6.62 -69.92	146.92 6.97 -43.21	132.40 6.98 -28.58	155.45 6.71 -51.38



V_F_30_SYNC_DSASP 323786	141.11 3.07 -63.20	140.89 3.03 -65.83	130.97 3.17 -54.09	133.82 3.24 -55.28	132.55 3.24 -52.28	127.32 4.15 -28.88	207.84 3.99 -104.09	220.73 3.92 -118.91	214.96 4.18 -113.54	176.24 3.49 -91.59	146.35 4.23 -52.06	136.94 3.91 -53.19	136.91 3.35 -62.38	133.93 3.27 -59.60	141.11 3.13 -66.83	149.68 3.47 -67.29	170.93 4.17 -69.72	214.77 4.29 -113.04	218.79 4.36 -115.28	199.70 4.28 -98.08	169.80 4.18 -68.38	143.06 4.06 -42.26	129.24 4.45 -27.95	140.48 4.28 -38.84
V_XM_10_SYNC_DSASP 323789	74.70 -0.15 0.00	71.75 -0.29 0.00	73.27 -0.44 0.00	74.62 -0.68 0.00	76.42 -0.62 0.00	93.73 -0.56 0.00	97.47 -2.29 0.00	96.33 -1.57 0.00	95.19 -2.05 0.00	79.94 -1.22 0.00	87.99 -2.07 0.00	77.85 -1.99 0.00	69.33 -1.85 0.00	69.00 -2.06 0.00	69.29 -1.85 0.00	77.18 -1.74 0.00	95.10 -1.94 0.00	95.98 -1.46 0.00	97.76 -1.39 0.00	96.46 -0.88 0.00	96.66 -0.58 0.00	97.04 0.29 0.00	97.03 0.19 0.00	98.72 1.36 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	119.03 3.97 -40.22	109.75 3.75 -33.97	101.05 3.83 -23.51	96.60 3.92 -17.38	107.90 4.01 -26.86	121.74 5.00 -22.45	158.59 5.59 -53.24	196.03 5.68 -92.46	166.49 6.13 -63.12	157.40 5.03 -71.21	136.12 5.58 -40.48	126.31 5.11 -41.36	124.24 4.56 -48.50	121.95 4.55 -46.34	127.66 4.55 -51.97	136.13 4.89 -52.32	157.46 6.21 -54.21	182.11 6.43 -78.24	177.25 6.54 -71.55	166.20 6.23 -62.63	156.57 6.22 -53.11	135.47 5.90 -32.82	124.16 5.62 -21.71	118.49 5.06 -16.07
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	122.50 5.24 -42.42	113.03 5.11 -35.88	103.82 5.23 -24.87	99.11 5.35 -18.46	110.96 5.55 -28.37	124.45 6.51 -23.65	163.48 7.48 -56.24	203.12 7.83 -97.39	172.34 8.46 -66.64	163.23 7.06 -75.01	140.53 7.83 -42.64	130.51 7.11 -43.56	128.53 6.26 -51.09	126.13 6.25 -48.81	132.14 6.26 -54.74	140.74 6.71 -55.11	162.58 8.44 -57.10	188.62 8.67 -82.50	183.29 8.63 -75.51	171.49 8.08 -66.08	161.28 8.07 -55.97	139.07 7.74 -34.59	127.17 7.46 -22.88	121.09 6.72 -17.01
W50THST__13_KV_LOAD 356117	122.50 5.24 -42.42	113.10 5.19 -35.88	103.89 5.31 -24.87	99.18 5.42 -18.46	110.96 5.55 -28.37	124.54 6.60 -23.65	163.58 7.58 -56.24	203.12 7.83 -97.39	172.34 8.46 -66.64	163.31 7.14 -75.01	140.62 7.92 -42.64	130.59 7.19 -43.56	128.61 6.34 -51.09	126.13 6.25 -48.81	132.21 6.33 -54.74	140.74 6.71 -55.11	162.68 8.54 -57.10	188.62 8.67 -82.50	183.39 8.73 -75.51	171.59 8.18 -66.08	161.38 8.17 -55.97	139.17 7.84 -34.59	127.17 7.46 -22.88	121.09 6.72 -17.01
WADING RIVER_IC_1 23522	132.45 7.71 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.60 7.83 -34.47	117.65 8.01 -32.60	142.22 9.99 -37.94	188.31 10.88 -77.67	216.21 10.87 -107.45	273.76 11.08 -165.43	208.76 9.01 -118.59	208.05 10.00 -108.00	198.88 8.86 -110.17	149.71 7.90 -70.63	148.24 8.10 -69.08	152.47 8.04 -73.29	248.66 8.60 -161.15	166.53 10.39 -59.10	215.35 10.72 -107.19	224.65 10.81 -114.69	188.06 10.61 -80.11	185.50 10.51 -77.75	161.03 10.45 -53.83	142.14 10.84 -34.46	142.11 10.12 -34.63
WADING RIVER_IC_2 23547	132.45 7.71 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.60 7.83 -34.47	117.65 8.01 -32.60	142.22 9.99 -37.94	188.31 10.88 -77.67	216.21 10.87 -107.45	273.76 11.08 -165.43	208.76 9.01 -118.59	208.05 10.00 -108.00	198.88 8.86 -110.17	149.71 7.90 -70.63	148.24 8.10 -69.08	152.47 8.04 -73.29	248.66 8.60 -161.15	166.53 10.39 -59.10	215.35 10.72 -107.19	224.65 10.81 -114.69	188.06 10.61 -80.11	185.50 10.51 -77.75	161.03 10.45 -53.83	142.14 10.84 -34.46	142.11 10.12 -34.63
WADING RIVER_IC_3 23601	132.45 7.71 -49.89	117.36 7.35 -37.98	113.37 7.52 -32.14	117.60 7.83 -34.47	117.65 8.01 -32.60	142.22 9.99 -37.94	188.31 10.88 -77.67	216.21 10.87 -107.45	273.76 11.08 -165.43	208.76 9.01 -118.59	208.05 10.00 -108.00	198.88 8.86 -110.17	149.71 7.90 -70.63	148.24 8.10 -69.08	152.47 8.04 -73.29	248.66 8.60 -161.15	166.53 10.39 -59.10	215.35 10.72 -107.19	224.65 10.81 -114.69	188.06 10.61 -80.11	185.50 10.51 -77.75	161.03 10.45 -53.83	142.14 10.84 -34.46	142.11 10.12 -34.63
WALDENNY_12_KV_BK2 80841	77.31 -4.79 -7.25	73.52 -4.25 -5.73	73.35 -4.05 -3.70	73.41 -4.14 -2.25	77.17 -4.39 -4.53	92.23 -6.32 -4.25	102.53 -6.19 -8.95	108.91 -6.46 -17.47	100.47 -7.68 -10.91	88.05 -6.57 -13.47	91.23 -6.48 -7.65	82.31 -5.35 -7.82	75.58 -4.77 -9.17	74.78 -5.05 -8.76	75.70 -5.26 -9.83	82.65 -6.16 -9.89	99.52 -7.76 -10.24	105.71 -6.63 -14.89	105.41 -6.54 -12.81	102.40 -6.91 -11.98	100.09 -7.20 -10.05	94.93 -8.03 -6.21	93.20 -7.75 -4.11	93.78 -6.04 -2.46
WALDEN__HYDRO 24148	119.01 3.82 -40.34	109.84 3.67 -34.13	101.13 3.76 -23.66	96.70 3.84 -17.56	108.03 4.01 -26.99	121.69 4.90 -22.49	158.84 5.59 -53.49	195.91 5.38 -92.63	166.17 5.54 -63.38	157.05 4.54 -71.35	135.57 4.95 -40.56	125.83 4.55 -41.44	123.83 4.06 -48.59	121.54 4.05 -46.43	127.26 4.06 -52.06	135.75 4.42 -52.42	157.27 5.92 -54.31	181.36 6.14 -77.78	176.57 6.25 -71.17	165.61 5.94 -62.34	155.90 5.93 -52.72	134.84 5.51 -32.58	123.72 5.33 -21.55	118.41 4.87 -16.18
WARRENSBURG____ 23737	153.83 6.36 -72.62	160.73 6.12 -82.58	151.69 6.26 -71.71	160.81 6.40 -79.11	149.26 6.54 -65.68	129.66 5.75 -29.62	237.45 6.68 -131.00	226.32 6.46 -121.97	242.34 6.62 -138.48	180.47 5.36 -93.95	149.50 6.03 -53.41	139.20 4.79 -54.56	139.37 4.20 -63.99	136.18 3.98 -61.14	143.61 3.91 -68.56	152.36 4.42 -69.03	174.27 5.72 -71.51	227.99 6.24 -124.31	239.36 6.25 -133.96	215.95 6.14 -112.48	173.48 6.13 -70.11	148.29 8.22 -43.33	133.63 8.14 -28.66	157.44 7.88 -52.20
WATERSIDE__6 8 9 23538	110.73 5.31 -30.57	112.96 5.04 -35.89	103.75 5.16 -24.88	99.04 5.27 -18.46	110.73 5.32 -28.38	124.26 6.32 -23.65	162.90 6.88 -56.26	202.56 7.24 -97.42	171.78 7.88 -66.66	162.85 6.66 -75.04	140.01 7.29 -42.65	130.05 6.63 -43.58	128.41 6.12 -51.11	125.93 6.04 -48.83	131.74 6.05 -54.55	138.90 6.47 -53.51	162.30 8.15 -57.11	188.25 8.28 -82.52	179.94 8.53 -72.26	165.89 7.98 -60.57	154.11 7.88 -48.99	138.28 7.74 -33.79	126.99 7.26 -22.88	105.85 6.52 -1.97
WATKINRD_115KV_LN8_ILLION 55919	80.38 5.54 0.00	77.36 5.33 0.00	78.94 5.23 0.00	80.65 5.35 0.00	82.66 5.62 0.00	101.74 7.45 0.00	108.44 8.68 0.00	106.61 8.71 0.00	105.80 8.56 0.00	88.22 7.06 0.00	97.71 7.65 0.00	86.23 6.39 0.00	76.88 5.69 0.00	76.54 5.47 0.00	76.55 5.41 0.00	84.99 6.08 0.00	105.19 8.15 0.00	106.02 8.57 0.00	107.88 8.73 0.00	105.80 8.47 0.00	105.80 8.56 0.00	105.55 8.80 0.00	105.75 8.91 0.00	106.51 9.15 0.00
WATSON__69_KV_BK 1 55734	133.50 8.76 -49.89	118.37 8.36 -37.98	114.33 8.48 -32.14	118.50 8.74 -34.47	118.65 9.01 -32.60	143.45 11.22 -37.94	187.04 9.68 -77.61	215.27 9.99 -107.38	221.64 10.11 -114.28	179.50 8.20 -90.14	172.63 9.19 -73.38	167.77 8.14 -79.79	149.17 7.40 -70.59	147.70 7.60 -69.03	152.00 7.61 -73.25	189.86 8.13 -102.82	169.31 13.20 -59.08	210.47 10.82 -102.21	218.06 11.01 -107.90	187.88 10.51 -80.03	174.48 10.31 -66.93	153.14 9.67 -46.72	142.11 10.85 -34.42	142.67 10.71 -34.60
WDELAWARE__HYD 323627	116.97 4.04 -38.08	108.35 3.89 -32.43	100.32 3.98 -22.63	96.42 4.06 -17.06	106.92 4.23 -25.65	120.69 5.28 -21.12	156.80 6.19 -50.85	190.56 5.68 -86.98	164.56 6.42 -60.90	154.29 5.12 -68.01	134.12 5.40 -38.66	124.21 4.87 -39.50	121.85 4.34 -46.32	119.66 4.34 -44.26	125.11 4.34 -49.63	133.78 4.89 -49.97	154.06 6.02 -51.00	177.70 6.33 -73.93	173.56 6.54 -67.86	162.91 6.23 -59.34	153.37 6.13 -50.00	133.16 5.51 -30.90	122.79 5.52 -20.44	117.83 4.96 -15.51



WEST BABYLON___IC 23714	132.52 7.78 -49.89	117.50 7.49 -37.98	113.44 7.59 -32.14	117.60 7.83 -34.47	117.65 8.01 -32.60	142.13 9.90 -37.94	187.12 9.78 -77.58	215.34 10.08 -107.36	200.82 10.31 -93.27	167.96 8.36 -78.44	158.59 9.37 -59.17	155.53 8.38 -67.31	149.36 7.62 -70.56	147.74 7.67 -69.01	152.12 7.75 -73.22	166.06 8.29 -78.86	167.85 11.74 -59.06	208.44 10.82 -100.18	215.29 11.01 -105.13	187.95 10.61 -80.00	170.14 10.40 -62.50	150.42 9.87 -43.81	141.52 10.27 -34.41	141.78 9.83 -34.59
WEST CANADA___HYD 24049	75.67 0.82 0.00	72.83 0.79 0.00	74.60 0.89 0.00	76.21 0.91 0.00	77.97 0.93 0.00	95.43 1.14 0.00	101.06 1.29 0.00	99.17 1.27 0.00	98.50 1.26 0.00	82.21 1.05 0.00	91.22 1.17 0.00	80.80 0.96 0.00	72.04 0.86 0.00	71.92 0.86 0.00	72.00 0.86 0.00	79.87 0.95 0.00	98.30 1.26 0.00	98.80 1.36 0.00	100.54 1.39 0.00	98.70 1.36 0.00	98.60 1.36 0.00	98.00 1.25 0.00	98.10 1.26 0.00	98.53 1.17 0.00
WESTERN_NY_WIND 24143	78.00 -3.29 -6.44	74.39 -2.74 -5.09	74.34 -2.65 -3.28	74.66 -2.64 -2.00	78.28 -2.77 -4.02	94.11 -3.96 -3.78	103.83 -3.89 -7.95	109.34 -4.11 -15.55	101.51 -5.45 -9.72	87.95 -5.19 -11.99	92.01 -4.86 -6.82	82.73 -4.07 -6.96	75.72 -3.63 -8.17	74.96 -3.91 -7.80	76.12 -3.77 -8.75	83.31 -4.42 -8.81	100.63 -5.53 -9.12	106.01 -4.68 -13.25	106.19 -4.36 -11.40	103.21 -4.77 -10.65	101.23 -4.96 -8.95	96.28 -6.00 -5.53	94.69 -5.81 -3.66	95.07 -4.48 -2.19
WESTOVER___LESR 323668	88.60 -0.37 -14.12	83.88 -0.36 -12.21	82.06 -0.29 -8.64	81.73 -0.30 -6.73	86.39 -0.31 -9.66	101.47 -0.57 -7.74	118.72 -0.20 -19.16	129.90 0.10 -31.91	119.47 -0.29 -22.52	105.10 -0.65 -24.59	103.49 -0.54 -13.98	93.64 -0.48 -14.28	87.50 -0.43 -16.75	86.50 -0.57 -16.00	88.52 -0.57 -17.95	96.43 -0.55 -18.07	115.26 -0.49 -18.71	124.83 0.00 -27.39	124.59 0.20 -25.24	119.38 -0.10 -22.14	115.40 -0.19 -18.35	107.31 -0.77 -11.34	103.47 -0.87 -7.50	102.53 -0.78 -5.95
WETHRSFD_WT_PWR 323626	79.16 -4.26 -8.58	75.57 -3.82 -7.36	75.27 -3.61 -5.17	75.50 -3.76 -3.96	79.01 -3.85 -5.82	93.37 -5.65 -4.73	107.13 -4.19 -11.55	111.96 -5.48 -19.55	104.36 -6.51 -13.64	89.96 -6.25 -15.05	92.31 -6.31 -8.56	83.23 -5.35 -8.74	76.24 -5.19 -10.25	75.96 -4.90 -9.79	77.08 -5.05 -10.98	84.29 -5.68 -11.06	101.81 -6.69 -11.46	108.71 -5.36 -16.62	109.21 -5.26 -15.31	105.07 -5.65 -13.38	102.62 -5.83 -11.21	97.00 -6.67 -6.93	95.13 -6.29 -4.58	95.56 -5.35 -3.56
WHAVSTOR_138KV_BK127 55557	118.79 3.67 -40.28	109.51 3.46 -34.02	100.80 3.54 -23.55	96.33 3.61 -17.41	107.64 3.70 -26.90	121.30 4.53 -22.49	158.17 5.09 -53.32	195.68 5.19 -92.60	166.10 5.64 -63.22	157.19 4.71 -71.32	135.82 5.22 -40.54	125.97 4.71 -41.42	124.03 4.27 -48.58	121.74 4.26 -46.41	127.45 4.27 -52.05	135.89 4.58 -52.40	157.15 5.82 -54.29	181.75 5.94 -78.36	176.97 6.15 -71.67	165.81 5.74 -62.73	156.17 5.74 -53.19	135.03 5.42 -32.87	123.81 5.23 -21.74	118.13 4.67 -16.10
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	118.79 3.67 -40.28	109.51 3.46 -34.02	100.80 3.54 -23.55	96.33 3.61 -17.41	107.64 3.70 -26.90	121.30 4.53 -22.49	158.17 5.09 -53.32	195.68 5.19 -92.60	166.10 5.64 -63.22	157.19 4.71 -71.32	135.82 5.22 -40.54	125.97 4.71 -41.42	124.03 4.27 -48.58	121.74 4.26 -46.41	127.45 4.27 -52.05	135.89 4.58 -52.40	157.15 5.82 -54.29	181.75 5.94 -78.36	176.97 6.15 -71.67	165.81 5.74 -62.73	156.17 5.74 -53.19	135.03 5.42 -32.87	123.81 5.23 -21.74	118.13 4.67 -16.10
WHITEHAL_115KV_TB1 80871	154.02 6.81 -72.36	160.73 6.55 -82.14	151.68 6.71 -71.26	160.59 6.78 -78.51	149.38 7.01 -65.33	130.57 6.69 -29.58	237.84 7.78 -130.30	227.46 7.73 -121.83	242.83 7.78 -137.81	181.24 6.25 -93.83	150.51 7.11 -53.34	139.92 5.59 -54.49	139.93 4.84 -63.91	136.67 4.55 -61.06	144.09 4.48 -68.47	153.14 5.29 -68.94	175.36 6.89 -71.43	228.94 7.50 -124.00	240.15 7.54 -133.47	216.83 7.40 -112.10	174.39 7.10 -70.05	146.90 6.87 -43.29	132.25 6.78 -28.63	157.59 8.37 -51.86
WHITEPLN_13_KV_LOAD 356215	122.22 5.16 -42.21	112.71 4.97 -35.70	103.54 5.09 -24.74	98.78 5.12 -18.35	110.58 5.32 -28.23	124.33 6.51 -23.54	163.20 7.48 -55.96	202.65 7.83 -96.93	171.71 8.17 -66.31	162.71 6.90 -74.65	140.06 7.56 -42.44	130.06 6.87 -43.36	128.15 6.12 -50.85	125.68 6.04 -48.58	131.74 6.12 -54.48	140.39 6.63 -54.85	162.31 8.44 -56.83	188.31 8.77 -82.10	183.21 8.92 -75.14	171.56 8.47 -65.75	161.30 8.36 -55.70	139.00 7.84 -34.42	127.26 7.65 -22.77	121.19 6.91 -16.92
WM_FLOYD_69_KV_BK2 356380	132.45 7.71 -49.89	117.36 7.35 -37.98	113.30 7.44 -32.14	117.52 7.76 -34.47	117.65 8.01 -32.60	142.13 9.90 -37.94	188.11 10.67 -77.67	216.21 10.87 -107.45	272.64 10.99 -164.41	208.12 8.93 -118.04	207.36 10.00 -107.30	198.27 8.86 -109.57	149.80 7.97 -70.65	148.19 8.03 -69.10	152.56 8.11 -73.31	247.56 8.68 -159.97	167.11 10.97 -59.10	215.52 11.01 -107.07	224.78 11.10 -114.53	188.33 10.90 -80.10	185.45 10.70 -77.52	160.87 10.45 -53.68	141.94 10.65 -34.45	142.01 10.03 -34.63
WOODARD___115KV_TB2 355635	77.51 -1.72 -4.39	73.84 -1.66 -3.47	74.32 -1.62 -2.24	75.01 -1.66 -1.36	78.08 -1.69 -2.74	94.69 -2.17 -2.57	103.28 -1.90 -5.42	107.81 -0.69 -10.60	103.18 -0.97 -6.91	88.47 -1.22 -8.53	93.64 -1.26 -4.85	83.68 -1.12 -4.95	75.92 -1.07 -5.81	75.48 -1.14 -5.55	76.30 -1.07 -6.22	84.08 -1.10 -6.27	101.12 -2.13 -6.21	104.31 -1.75 -8.62	105.58 -1.69 -8.11	101.92 -1.85 -6.43	101.66 -1.94 -6.36	98.26 -2.42 -3.93	96.92 -2.52 -2.60	96.32 -2.53 -1.49
YORK___WARBASSE 23770	234.33 5.91 -153.57	113.46 5.47 -35.95	104.12 5.53 -24.88	99.41 5.65 -18.46	111.20 5.78 -28.38	124.79 6.79 -23.71	163.50 7.48 -56.26	203.05 7.73 -97.42	172.36 8.46 -66.66	163.34 7.14 -75.04	140.46 7.74 -42.65	130.53 7.11 -43.58	128.69 6.41 -51.11	126.29 6.40 -48.83	133.72 6.40 -56.18	152.27 6.87 -66.49	210.92 8.73 -105.15	224.84 8.96 -118.43	215.83 9.12 -107.55	210.68 8.57 -104.78	210.69 8.46 -104.99	145.31 8.32 -40.25	127.37 7.65 -22.88	226.57 6.82 -122.39