

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$																		--- Marginal Cost of Losses																		--- Marginal Cost of Congestion																		01/14/2025		
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00																																	
59TH STREET_GT_1	24138	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST																																
		69.38	67.62	70.05	70.05	69.99	67.19	88.88	108.39	102.13	88.52	92.81	85.76	85.63	86.96	92.44	99.73	127.24	170.93	142.75	130.53	122.14	104.99	101.66	100.89																																	
		4.66	4.48	4.46	4.46	4.33	4.69	5.94	7.73	8.48	8.48	9.28	8.48	8.75	8.76	9.36	9.53	9.63	13.79	10.09	9.83	9.87	8.71	8.44	7.69																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-12.99	-18.39	-11.28	0.00	-1.34	-2.19	-0.11	0.00	-0.98	-6.54	-35.24	-35.05	-44.13	-35.15	-26.45	-14.08	-11.27	-11.34																																	
74TH STREET_GT_1	24260	69.44	67.68	70.12	69.92	70.12	67.19	88.89	108.39	102.04	88.44	92.48	85.46	85.33	86.64	92.12	99.74	127.08	170.83	142.85	130.63	122.15	105.08	101.50	100.98																																	
		4.72	4.55	4.53	4.33	4.46	4.69	5.95	7.73	8.40	8.40	8.96	8.18	8.44	8.45	9.03	9.54	9.47	13.67	10.18	9.92	9.87	8.80	8.28	7.78																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-12.99	-18.39	-11.29	0.00	-1.34	-2.19	-0.11	0.00	-0.98	-6.54	-35.24	-35.07	-44.14	-35.16	-26.46	-14.08	-11.27	-11.34																																	
74TH STREET_GT_2	24261	69.44	67.68	70.12	69.92	70.12	67.19	88.89	108.39	102.04	88.44	92.48	85.46	85.33	86.64	92.12	99.74	127.08	170.83	142.85	130.63	122.15	105.08	101.50	100.98																																	
		4.72	4.55	4.53	4.33	4.46	4.69	5.95	7.73	8.40	8.40	8.96	8.18	8.44	8.45	9.03	9.54	9.47	13.67	10.18	9.92	9.87	8.80	8.28	7.78																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-12.99	-18.39	-11.29	0.00	-1.34	-2.19	-0.11	0.00	-0.98	-6.54	-35.24	-35.07	-44.14	-35.16	-26.46	-14.08	-11.27	-11.34																																	
ADK HUDSON__FALLS	24011	69.44	67.49	70.25	70.12	70.32	67.07	216.45	288.46	192.90	86.52	90.32	83.69	82.76	84.22	89.84	99.46	116.01	137.35	177.22	156.36	125.27	108.16	103.76	103.51																																	
		4.72	4.36	4.66	4.53	4.66	4.56	5.88	7.08	7.00	6.48	6.33	5.63	5.83	6.02	6.40	6.94	7.17	11.23	8.14	7.87	7.72	6.90	6.56	6.30																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-140.62	-199.11	-103.54	0.00	-1.81	-2.97	-0.15	0.00	-1.32	-8.86	-26.47	-4.03	-80.55	-62.94	-31.73	-19.05	-15.25	-15.35																																	
ADK RESOURCE__RCVRY	23798	69.77	67.80	70.51	70.51	70.64	67.38	217.73	290.06	193.95	87.00	90.74	84.07	83.07	84.61	90.17	99.89	116.50	138.31	178.14	157.22	125.80	108.67	104.17	103.93																																	
		5.05	4.67	4.92	4.92	4.99	4.88	6.36	7.56	7.49	6.96	6.74	6.01	6.14	6.41	6.73	7.36	7.66	12.21	8.77	8.47	8.24	7.40	6.96	6.71																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-141.41	-200.23	-104.10	0.00	-1.81	-2.97	-0.15	0.00	-1.32	-8.87	-26.47	-4.01	-80.85	-63.20	-31.74	-19.07	-15.26	-15.36																																	
ADK S GLENS__FALLS	24028	69.44	67.49	70.25	70.12	70.32	67.07	216.45	288.46	192.90	86.52	90.32	83.69	82.76	84.22	89.84	99.46	116.01	137.35	177.22	156.36	125.27	108.16	103.76	103.51																																	
		4.72	4.36	4.66	4.53	4.66	4.56	5.88	7.08	7.00	6.48	6.33	5.63	5.83	6.02	6.40	6.94	7.17	11.23	8.14	7.87	7.72	6.90	6.56	6.30																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-140.62	-199.11	-103.54	0.00	-1.81	-2.97	-0.15	0.00	-1.32	-8.86	-26.47	-4.03	-80.55	-62.94	-31.73	-19.05	-15.25	-15.35																																	
ADK_NYS__DAM	23527	69.05	67.36	70.05	70.05	70.12	66.81	174.68	229.51	163.01	86.44	90.35	83.73	82.83	84.14	89.71	98.73	115.72	137.44	161.13	141.96	123.46	106.81	102.72	102.30																																	
		4.34	4.23	4.46	4.46	4.47	4.31	5.10	6.17	6.34	6.41	6.41	5.78	5.91	5.94	6.32	6.53	6.43	9.40	7.17	6.76	6.78	6.24	6.06	5.64																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-99.63	-141.07	-74.31	0.00	-1.74	-2.86	-0.15	0.00	-1.28	-8.54	-26.93	-5.95	-65.43	-49.65	-30.86	-18.37	-14.71	-14.80																																	
AIR_PRODUCTS__DRP	24190	67.04	65.41	68.02	67.95	68.09	64.75	138.34	178.56	135.62	83.48	87.39	81.12	80.15	81.48	86.51	95.00	109.74	125.72	140.46	122.55	118.59	102.95	99.75	100.08																																	
		2.33	2.27	2.43	2.36	2.43	2.25	2.59	3.13	3.29	3.44	3.45	3.15	3.22	3.28	3.12	2.76	2.22	2.81	2.12	2.14	2.15	2.30	3.03	3.36																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-65.80	-93.17	-49.96	0.00	-1.75	-2.87	-0.15	0.00	-1.28	-8.58	-25.15	-0.82	-49.81	-34.86	-30.62	-18.45	-14.77	-14.86																																	
AKWESSNE_115KV_BK	355683	64.59	62.82	65.13	65.26	65.13	61.94	68.20	79.88	79.89	77.64	80.05	73.29	75.01	76.24	80.06	81.15	79.98	84.19	82.88	82.64	82.90	80.14	80.23	80.31																																	
		-0.13	-0.32	-0.46	-0.33	-0.53	-0.56	-1.75	-2.39	-2.47	-2.40	-2.14	-1.80	-1.77	-1.95	-2.05	-2.51	-2.39	-3.91	-3.10	-2.91	-2.92	-2.05	-1.72	-1.56																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.99	2.55	0.00	0.00	0.00	0.00	0.00																																	
ALBANY_1_SOLAR	323833	67.76	66.16	68.87	68.80	68.87	65.44	121.66	154.61	123.52	83.64	87.27	80.90	79.99	81.48	86.65	95.47	111.30	129.54	135.77	118.87	119.53	103.68	100.23	100.47																																	
		3.04	3.03	3.28	3.21	3.22	2.94	3.29	3.79	3.71	3.61	3.37	3.01	3.07	3.28	3.29	3.43	3.46	5.13	3.63	3.76	3.60	3.45	3.85	4.09																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-48.42	-68.56	-37.45	0.00	-1.71	-2.81	-0.15	0.00	-1.25	-8.38	-25.47	-2.32	-43.61	-29.56	-30.10	-18.03	-14.43	-14.52																																	
ALBANY_2_SOLAR	323834	67.76	66.10	68.87	68.80	68.87	65.44	121.63	154.58	123.41	83.64	87.27	80.90	79.99	81.48	86.65	95.47	111.30	129.53	135.76	118.86	119.53	103.68	100.24	100.48																																	
		3.04	2.97	3.28	3.21	3.22	2.94	3.29	3.79	3.62	3.61	3.37	3.01	3.07	3.28	3.29	3.43	3.46	5.13	3.63	3.76	3.60	3.45	3.85	4.09																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-48.40	-68.52	-37.43	0.00	-1.71	-2.81	-0.15	0.00	-1.25	-8.38	-25.47	-2.32	-43.61	-29.55	-30.11	-18.03	-14.43	-14.52																																	
ALBANY__1	23571	67.04	65.41	68.02	67.95	68.09	64.75	138.34	178.56	135.62	83.48	87.39	81.12	80.15	81.48	86.51	95.00	109.74	125.72	140.46	122.55	118.59	102.95	99.75	100.08																																	
		2.33	2.27	2.43	2.36	2.43	2.25	2.59	3.13	3.29	3.44	3.45	3.15	3.22	3.28	3.12	2.76	2.22	2.81	2.12	2.14	2.15	2.30	3.03	3.36																																	
		0.00	0.00	0.00	0.00	0.00	0.00	-65.80	-93.17	-49.96	0.00	-1.75	-2.87	-0.15	0.00	-1.28	-8.58	-25.15	-0.82	-49.81	-34.86	-30.62	-18.45	-14.77	-14.86																																	



ALBANY___2 23572	67.04 2.33 0.00	65.41 2.27 0.00	68.02 2.43 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.75 2.25 0.00	138.34 2.59 -65.80	178.56 3.13 -93.17	135.62 3.29 -49.96	83.48 3.44 0.00	87.39 3.45 -1.75	81.12 3.15 -2.87	80.15 3.22 -0.15	81.48 3.28 0.00	86.51 3.12 -1.28	95.00 2.76 -8.58	109.74 2.22 -25.15	125.72 2.81 -0.82	140.46 2.12 -49.81	122.55 2.14 -34.86	118.59 2.15 -30.62	102.95 2.30 -18.45	99.75 3.03 -14.77	100.08 3.36 -14.86
ALBANY___3 23573	67.04 2.33 0.00	65.41 2.27 0.00	68.02 2.43 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.75 2.25 0.00	138.34 2.59 -65.80	178.56 3.13 -93.17	135.62 3.29 -49.96	83.48 3.44 0.00	87.39 3.45 -1.75	81.12 3.15 -2.87	80.15 3.22 -0.15	81.48 3.28 0.00	86.51 3.12 -1.28	95.00 2.76 -8.58	109.74 2.22 -25.15	125.72 2.81 -0.82	140.46 2.12 -49.81	122.55 2.14 -34.86	118.59 2.15 -30.62	102.95 2.30 -18.45	99.75 3.03 -14.77	100.08 3.36 -14.86
ALBANY___4 23574	67.04 2.33 0.00	65.41 2.27 0.00	68.02 2.43 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.75 2.25 0.00	138.34 2.59 -65.80	178.56 3.13 -93.17	135.62 3.29 -49.96	83.48 3.44 0.00	87.39 3.45 -1.75	81.12 3.15 -2.87	80.15 3.22 -0.15	81.48 3.28 0.00	86.51 3.12 -1.28	95.00 2.76 -8.58	109.74 2.22 -25.15	125.72 2.81 -0.82	140.46 2.12 -49.81	122.55 2.14 -34.86	118.59 2.15 -30.62	102.95 2.30 -18.45	99.75 3.03 -14.77	100.08 3.36 -14.86
ALBANY___LFGE 323615	67.50 2.78 0.00	65.85 2.71 0.00	68.47 2.88 0.00	68.41 2.82 0.00	68.48 2.82 0.00	65.19 2.69 0.00	162.82 3.15 -89.72	213.09 3.79 -127.03	153.41 3.95 -67.10	84.12 4.08 0.00	88.06 4.11 -1.77	81.67 3.68 -2.90	80.76 3.84 -0.15	82.11 3.91 0.00	87.26 3.86 -1.29	95.92 3.59 -8.66	111.13 3.13 -25.64	128.37 4.27 -2.01	151.43 3.18 -59.72	132.65 3.17 -43.93	119.98 3.18 -30.98	103.96 3.12 -18.63	100.56 3.69 -14.92	100.80 3.93 -15.01
ALCOA_PA_115KV_PL-6C 55860	64.71 0.00 0.00	62.94 -0.19 0.00	65.26 -0.33 0.00	65.39 -0.20 0.00	65.26 -0.39 0.00	62.13 -0.38 0.00	68.34 -1.61 0.00	79.88 -2.39 0.00	79.89 -2.47 0.00	77.64 -2.40 0.00	79.97 -2.22 0.00	73.21 -1.88 0.00	75.01 -1.77 0.00	76.24 -1.95 0.00	80.06 -2.05 0.00	81.23 -2.43 0.00	79.98 -2.39 0.00	84.07 -5.13 32.89	82.70 -3.36 2.47	82.30 -3.25 0.00	82.73 -3.09 0.00	80.23 -1.97 0.00	80.39 -1.56 0.00	80.55 -1.31 0.00
ALCOA_RYNLDS___DRP 24188	64.71 0.00 0.00	62.94 -0.19 0.00	65.26 -0.33 0.00	65.39 -0.20 0.00	65.26 -0.39 0.00	62.13 -0.38 0.00	68.34 -1.61 0.00	79.88 -2.39 0.00	79.89 -2.47 0.00	77.64 -2.40 0.00	79.97 -2.22 0.00	73.21 -1.88 0.00	75.01 -1.77 0.00	76.24 -1.95 0.00	80.06 -2.05 0.00	81.23 -2.43 0.00	79.98 -2.39 0.00	84.07 -5.13 32.89	82.70 -3.36 2.47	82.30 -3.25 0.00	82.73 -3.09 0.00	80.23 -1.97 0.00	80.39 -1.56 0.00	80.55 -1.31 0.00
ALCOA___DSASP 323711	64.71 0.00 0.00	62.94 -0.19 0.00	65.26 -0.33 0.00	65.26 -0.33 0.00	65.26 -0.39 0.00	62.07 -0.43 0.00	68.35 -1.61 0.00	79.88 -2.39 0.00	79.89 -2.47 0.00	77.64 -2.40 0.00	79.97 -2.22 0.00	73.22 -1.87 0.00	75.01 -1.76 0.00	76.25 -1.95 0.00	80.06 -2.05 0.00	81.32 -2.34 0.00	79.98 -2.39 0.00	84.07 -5.12 32.89	82.43 -3.63 2.47	82.39 -3.16 0.00	82.47 -3.35 0.00	80.31 -1.89 0.00	80.39 -1.56 0.00	80.55 -1.31 0.00
ALLEGHENY___COGEN 23514	63.75 -0.97 0.00	62.00 -1.13 0.00	64.21 -1.38 0.00	64.34 -1.25 0.00	64.60 -1.05 0.00	62.38 -0.12 0.00	72.47 2.51 0.00	80.46 -1.81 0.00	80.13 -2.88 -0.65	76.12 -3.92 0.00	77.42 -5.02 -0.25	70.07 -5.41 -0.39	71.03 -5.76 -0.02	72.72 -5.48 0.00	76.46 -5.83 -0.18	79.97 -4.85 -1.17	82.07 -4.29 -3.99	115.96 -7.32 -1.19	89.39 -4.34 -5.20	85.35 -3.59 -3.39	90.78 0.68 -4.28	84.84 0.00 -2.64	83.49 -0.57 -2.11	83.74 -0.24 -2.13
ALTAMONT_115KV_TB 2 55880	66.91 2.20 0.00	65.34 2.21 0.00	68.02 2.43 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.69 2.19 0.00	124.72 2.66 -52.11	159.26 3.21 -73.78	125.89 3.38 -40.15	83.40 3.36 0.00	87.31 3.37 -1.75	80.96 3.00 -2.87	80.07 3.15 -0.15	81.40 3.21 0.00	86.67 3.28 -1.28	95.57 3.35 -8.56	110.25 3.21 -24.67	126.07 4.52 0.54	135.82 3.45 -43.84	118.18 3.34 -29.30	119.66 3.35 -30.49	103.74 3.12 -18.42	99.97 3.28 -14.74	99.97 3.27 -14.84
ALTONA_WT_PWR 323606	63.87 -0.84 0.00	62.06 -1.07 0.00	64.34 -1.25 0.00	64.28 -1.31 0.00	64.34 -1.31 0.00	61.25 -1.25 0.00	67.08 -2.87 0.00	78.08 -4.19 0.00	77.99 -4.37 0.00	75.71 -4.32 0.00	78.82 -3.37 0.00	71.94 -3.15 0.00	73.70 -3.07 0.00	74.99 -3.21 0.00	78.82 -3.29 0.00	80.15 -3.51 0.00	79.07 -3.30 0.00	81.83 -6.10 34.16	81.63 -4.34 2.56	81.44 -4.10 0.00	81.79 -4.03 0.00	79.08 -3.12 0.00	79.32 -2.63 0.00	79.98 -1.88 0.00
AMERICAN_REF_FUEL 24010	56.69 -8.03 0.00	55.43 -7.70 0.00	57.13 -8.46 0.00	57.26 -8.33 0.00	57.38 -8.27 0.00	55.44 -7.06 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.57	70.67 -9.36 0.00	71.97 -10.44 -0.22	65.24 -10.14 -0.29	66.20 -10.59 -0.02	67.64 -10.56 0.00	70.91 -11.33 -0.13	73.73 -10.79 -0.86	74.09 -11.28 -3.00	105.55 -17.58 -1.04	81.23 -11.59 -4.30	77.11 -11.38 -2.94	77.91 -11.07 -3.16	73.84 -10.68 -2.32	73.08 -10.73 -1.86	74.24 -9.49 -1.87
ARKWRIGHT___SUMMIT_WT_PWR 323751	58.50 -6.21 0.00	57.26 -5.87 0.00	58.05 -7.54 0.00	58.25 -7.34 0.00	59.35 -6.30 0.00	57.57 -4.94 0.00	67.08 -2.87 0.00	77.50 -4.77 0.00	77.48 -5.52 -0.64	74.12 -5.92 0.00	73.39 -9.04 -0.24	66.56 -8.86 -0.34	68.20 -8.60 -0.02	69.52 -8.68 0.00	71.99 -10.27 -0.15	74.78 -9.87 -0.99	77.24 -8.57 -3.44	110.80 -12.45 -1.16	84.89 -8.50 -4.86	80.72 -8.13 -3.30	80.71 -8.75 -3.64	76.06 -8.72 -2.58	73.69 -10.33 -2.07	76.08 -7.86 -2.08
ARTHUR KILL_GT_1 23520	112.65 5.18 -42.76	112.69 5.05 -44.50	111.83 5.12 -41.12	110.48 5.12 -39.77	110.41 5.06 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	149.88 7.98 -59.64	147.77 8.31 -57.10	143.11 8.08 -54.99	135.42 8.63 -44.61	119.96 7.88 -36.99	122.02 8.13 -37.12	130.23 8.21 -43.82	134.35 8.79 -43.45	188.24 9.20 -95.38	219.85 9.30 -128.18	201.06 13.43 -65.54	246.63 10.09 -148.02	234.50 9.92 -139.03	192.34 9.87 -96.66	180.83 8.71 -89.92	138.21 8.11 -48.15	114.38 7.53 -24.99
ARTHUR_KILL_2 23512	112.46 4.98 -42.76	112.50 4.86 -44.50	111.63 4.92 -41.12	110.28 4.92 -39.77	110.21 4.86 -39.70	112.29 4.94 -44.85	114.44 6.16 -38.33	149.56 7.65 -59.64	147.45 7.99 -57.10	142.88 7.85 -54.99	135.18 8.39 -44.61	119.74 7.66 -36.99	121.80 7.91 -37.12	130.00 7.98 -43.82	134.02 8.46 -43.45	187.90 8.86 -95.38	219.52 8.98 -128.18	200.70 13.07 -65.54	246.37 9.83 -148.02	234.16 9.58 -139.03	192.09 9.61 -96.66	180.59 8.47 -89.92	137.96 7.87 -48.15	114.14 7.28 -24.99
ARTHUR_KILL_3 23513	111.35 3.88 -42.75	111.35 3.72 -44.49	110.37 3.67 -41.11	109.02 3.67 -39.76	108.96 3.61 -39.69	111.35 4.00 -44.84	113.31 5.04 -38.32	148.56 6.66 -59.63	146.87 7.42 -57.09	136.44 7.44 -48.96	124.78 7.97 -34.62	115.53 7.28 -33.16	117.42 7.60 -33.04	124.78 7.58 -39.00	124.78 8.05 -34.62	124.78 8.36 -32.76	144.17 8.49 -53.32	183.07 12.09 -48.89	155.55 9.03 -57.99	147.69 8.81 -53.33	139.29 8.84 -44.63	125.98 7.72 -36.06	133.41 7.38 -44.08	113.31 6.88 -24.57



ARTHUR_KILL_COGEN 323718	112.65 5.18 -42.76	112.69 5.05 -44.50	111.83 5.12 -41.12	110.48 5.12 -39.77	110.41 5.06 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	149.88 7.98 -59.64	147.77 8.31 -57.10	143.11 8.08 -54.99	135.42 8.63 -44.61	119.96 7.88 -36.99	122.02 8.13 -37.12	130.23 8.21 -43.82	134.35 8.79 -43.45	188.24 9.20 -95.38	219.85 9.30 -128.18	201.06 13.43 -65.54	246.63 10.09 -148.02	234.50 9.92 -139.03	192.34 9.87 -96.66	180.83 8.71 -89.92	138.21 8.11 -48.15	114.38 7.53 -24.99
ASHOKAN____ 23654	70.47 5.76 0.00	68.69 5.56 0.00	71.36 5.77 0.00	71.23 5.64 0.00	71.37 5.71 0.00	68.51 6.00 0.00	113.46 5.39 -38.12	142.50 6.25 -53.98	118.30 6.18 -29.77	87.32 7.28 0.00	89.41 5.67 -1.55	82.67 5.03 -2.55	81.89 4.99 -0.13	84.69 6.49 0.00	89.07 5.83 -1.14	98.04 6.77 -7.61	120.63 10.05 -28.22	151.43 16.11 -13.23	141.18 8.77 -43.89	128.31 11.04 -31.72	122.36 8.24 -28.30	105.48 6.91 -16.37	101.78 6.72 -13.11	101.27 6.22 -13.19
ASTORIA_EAST_ENERGY_CC1 323581	68.93 4.20 -0.01	67.17 4.04 0.01	69.58 4.00 0.01	69.58 4.00 0.01	69.52 3.87 0.01	66.81 4.31 0.01	88.25 5.31 -12.98	107.56 6.91 -18.38	101.30 7.66 -11.28	87.79 7.76 0.01	92.00 8.47 -1.34	85.01 7.74 -2.18	84.86 7.98 -0.11	86.17 7.98 0.01	91.63 8.54 -0.98	98.99 8.78 -6.55	126.52 8.90 -35.25	169.86 12.70 -35.07	142.24 9.56 -44.15	130.04 9.33 -35.17	121.64 9.36 -26.46	104.51 8.22 -14.09	101.02 7.79 -11.28	100.49 7.28 -11.35
ASTORIA_EAST_ENERGY_CC2 323582	68.93 4.20 -0.01	67.17 4.04 0.01	69.58 4.00 0.01	69.58 4.00 0.01	69.52 3.87 0.01	66.81 4.31 0.01	88.25 5.31 -12.98	107.64 6.99 -18.38	101.30 7.66 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.74 -2.18	84.86 7.98 -0.11	86.25 8.06 0.01	91.63 8.54 -0.98	99.07 8.86 -6.55	126.60 8.98 -35.25	169.86 12.70 -35.07	142.24 9.56 -44.15	130.04 9.33 -35.17	121.64 9.36 -26.46	104.51 8.22 -14.09	101.02 7.79 -11.28	100.49 7.28 -11.35
ASTORIA_GT2_1 24094	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT2_2 24095	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT2_3 24096	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT2_4 24097	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT3_1 24098	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT3_2 24099	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT3_3 24100	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT3_4 24101	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT4_1 24102	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT4_2 24103	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT4_3 24104	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35



ASTORIA_GT4_4 24105	68.99 4.27 -0.01	67.23 4.10 0.01	69.66 4.07 0.00	69.46 3.87 0.00	69.60 3.94 0.00	66.75 4.25 0.01	88.26 5.32 -12.99	107.65 6.99 -18.39	101.38 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.73 -2.18	84.94 8.06 -0.11	86.17 7.98 0.01	91.71 8.62 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.50 7.29 -11.35
ASTORIA_GT_1 23523	69.13 4.40 -0.01	67.35 4.23 0.01	69.72 4.13 0.01	69.72 4.13 0.01	69.72 4.07 0.01	66.93 4.44 0.01	88.39 5.46 -12.98	107.81 7.15 -18.38	101.54 7.91 -11.28	88.03 8.00 0.01	92.24 8.71 -1.34	85.23 7.96 -2.18	85.10 8.22 -0.11	86.40 8.21 0.01	91.88 8.79 -0.98	99.24 9.04 -6.55	126.76 9.14 -35.25	170.23 13.07 -35.07	142.41 9.74 -44.15	130.30 9.58 -35.17	121.81 9.52 -26.46	104.76 8.47 -14.09	101.26 8.04 -11.28	100.66 7.45 -11.35
ASTORIA_GT_10 24110	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.15 7.49 -18.39	103.54 8.24 -12.95	96.08 8.24 -7.80	103.50 8.79 -12.52	90.27 8.03 -7.14	90.44 8.29 -5.38	92.72 8.29 -6.23	102.00 8.87 -11.02	112.11 9.29 -19.17	140.03 9.23 -48.44	174.78 13.31 -39.39	146.35 9.91 -47.91	134.22 9.75 -38.92	124.52 9.70 -29.00	108.21 8.63 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
ASTORIA_GT_11 24225	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.15 7.49 -18.39	103.54 8.24 -12.95	96.08 8.24 -7.80	103.50 8.79 -12.52	90.27 8.03 -7.14	90.44 8.29 -5.38	92.72 8.29 -6.23	102.00 8.87 -11.02	112.11 9.29 -19.17	140.03 9.23 -48.44	174.78 13.31 -39.39	146.35 9.91 -47.91	134.22 9.75 -38.92	124.52 9.70 -29.00	108.21 8.63 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
ASTORIA_GT_12 24226	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.15 7.49 -18.39	103.54 8.24 -12.95	96.08 8.24 -7.80	103.50 8.79 -12.52	90.27 8.03 -7.14	90.44 8.29 -5.38	92.72 8.29 -6.23	102.00 8.87 -11.02	112.11 9.29 -19.17	140.03 9.23 -48.44	174.78 13.31 -39.39	146.35 9.91 -47.91	134.22 9.75 -38.92	124.52 9.70 -29.00	108.21 8.63 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
ASTORIA_GT_13 24227	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.15 7.49 -18.39	103.54 8.24 -12.95	96.08 8.24 -7.80	103.50 8.79 -12.52	90.27 8.03 -7.14	90.44 8.29 -5.38	92.72 8.29 -6.23	102.00 8.87 -11.02	112.11 9.29 -19.17	140.03 9.23 -48.44	174.78 13.31 -39.39	146.35 9.91 -47.91	134.22 9.75 -38.92	124.52 9.70 -29.00	108.21 8.63 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
ASTORIA_GT_5 24106	69.12 4.40 -0.01	67.35 4.23 0.01	69.72 4.13 0.00	69.53 3.94 0.00	69.73 4.07 0.00	66.87 4.38 0.01	88.40 5.46 -12.99	107.82 7.16 -18.39	101.54 7.91 -11.28	88.03 8.00 0.01	92.24 8.71 -1.34	85.16 7.88 -2.18	85.09 8.21 -0.11	86.32 8.13 0.01	91.88 8.79 -0.98	99.41 9.20 -6.55	126.76 9.14 -35.25	170.23 13.06 -35.07	142.41 9.74 -44.15	130.30 9.58 -35.17	121.90 9.61 -26.46	104.76 8.47 -14.09	101.18 7.95 -11.28	100.66 7.45 -11.35
ASTORIA_GT_7 24107	69.12 4.40 -0.01	67.35 4.23 0.01	69.72 4.13 0.00	69.53 3.94 0.00	69.73 4.07 0.00	66.87 4.38 0.01	88.40 5.46 -12.99	107.82 7.16 -18.39	101.54 7.91 -11.28	88.03 8.00 0.01	92.24 8.71 -1.34	85.16 7.88 -2.18	85.09 8.21 -0.11	86.32 8.13 0.01	91.88 8.79 -0.98	99.41 9.20 -6.55	126.76 9.14 -35.25	170.23 13.06 -35.07	142.41 9.74 -44.15	130.30 9.58 -35.17	121.90 9.61 -26.46	104.76 8.47 -14.09	101.18 7.95 -11.28	100.66 7.45 -11.35
ASTORIA_GT_8 24108	69.12 4.40 -0.01	67.35 4.23 0.01	69.72 4.13 0.00	69.53 3.94 0.00	69.73 4.07 0.00	66.87 4.38 0.01	88.40 5.46 -12.99	107.82 7.16 -18.39	101.54 7.91 -11.28	88.03 8.00 0.01	92.24 8.71 -1.34	85.16 7.88 -2.18	85.09 8.21 -0.11	86.32 8.13 0.01	91.88 8.79 -0.98	99.41 9.20 -6.55	126.76 9.14 -35.25	170.23 13.06 -35.07	142.41 9.74 -44.15	130.30 9.58 -35.17	121.90 9.61 -26.46	104.76 8.47 -14.09	101.18 7.95 -11.28	100.66 7.45 -11.35
ASTORIA___2 24149	68.99 4.27 -0.01	67.23 4.10 0.01	69.65 4.07 0.01	69.58 4.00 0.01	69.59 3.94 0.01	66.81 4.31 0.01	88.25 5.31 -12.98	107.64 6.99 -18.38	101.37 7.74 -11.28	87.79 7.76 0.01	92.08 8.55 -1.34	85.01 7.74 -2.18	84.94 8.06 -0.11	86.25 8.06 0.01	91.63 8.54 -0.98	99.07 8.86 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.33 -35.17	121.64 9.36 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.49 7.28 -11.35
ASTORIA___3 23516	70.99 4.72 -1.55	69.00 4.55 -1.32	70.11 4.52 0.00	70.05 4.46 0.00	70.06 4.40 0.00	68.88 4.75 -1.63	88.74 5.80 -12.99	108.15 7.49 -18.39	103.54 8.23 -12.95	96.09 8.25 -7.80	103.51 8.80 -12.52	90.27 8.04 -7.14	90.44 8.29 -5.38	92.80 8.37 -6.23	102.00 8.87 -11.02	112.03 9.20 -19.17	140.11 9.30 -48.44	174.78 13.31 -39.39	146.34 9.91 -47.91	134.22 9.75 -38.92	124.52 9.69 -29.00	108.20 8.63 -17.38	106.66 8.19 -16.52	101.79 7.69 -12.24
ASTORIA___4 23517	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.15 7.49 -18.39	103.54 8.24 -12.95	96.08 8.24 -7.80	103.50 8.79 -12.52	90.27 8.03 -7.14	90.44 8.29 -5.38	92.72 8.29 -6.23	102.00 8.87 -11.02	112.11 9.29 -19.17	140.03 9.23 -48.44	174.78 13.31 -39.39	146.35 9.91 -47.91	134.22 9.75 -38.92	124.52 9.70 -29.00	108.21 8.63 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
ASTORIA___5 23518	70.99 4.72 -1.55	69.00 4.55 -1.32	70.11 4.52 0.00	70.05 4.46 0.00	70.06 4.40 0.00	68.88 4.75 -1.63	88.74 5.80 -12.99	108.15 7.49 -18.39	103.54 8.23 -12.95	96.09 8.25 -7.80	103.51 8.80 -12.52	90.27 8.04 -7.14	90.44 8.29 -5.38	92.80 8.37 -6.23	102.00 8.87 -11.02	112.03 9.20 -19.17	140.11 9.30 -48.44	174.78 13.31 -39.39	146.34 9.91 -47.91	134.22 9.75 -38.92	124.52 9.69 -29.00	108.20 8.63 -17.38	106.66 8.19 -16.52	101.79 7.69 -12.24
AST_ENERGY_2_CC3 323677	66.64 4.08 2.15	66.64 3.92 0.41	66.64 3.94 2.89	66.64 3.87 2.82	66.64 3.81 2.82	66.64 4.19 0.05	66.64 5.31 8.63	107.56 6.91 -18.37	101.29 7.66 -11.27	87.63 7.61 0.02	91.82 8.30 -1.34	84.86 7.58 -2.19	84.72 7.83 -0.11	86.02 7.82 0.00	91.46 8.38 -0.98	98.82 8.62 -6.54	126.34 8.73 -35.24	169.73 12.58 -35.06	141.96 9.29 -44.14	129.86 9.16 -35.15	121.37 9.09 -26.45	104.34 8.06 -14.08	100.84 7.62 -11.27	100.32 7.12 -11.34
AST_ENERGY_2_CC4 323678	66.64 4.08 2.15	66.64 3.92 0.41	66.64 3.94 2.89	66.64 3.87 2.82	66.64 3.81 2.82	66.64 4.19 0.05	66.64 5.31 8.63	107.56 6.91 -18.37	101.29 7.66 -11.27	87.63 7.61 0.02	91.82 8.30 -1.34	84.86 7.58 -2.19	84.72 7.83 -0.11	86.02 7.82 0.00	91.46 8.38 -0.98	98.82 8.62 -6.54	126.34 8.73 -35.24	169.73 12.58 -35.06	141.96 9.29 -44.14	129.86 9.16 -35.15	121.37 9.09 -26.45	104.34 8.06 -14.08	100.84 7.62 -11.27	100.32 7.12 -11.34



ATHENS_STG_1 23668	67.17 2.46 0.00	65.59 2.46 0.00	68.35 2.75 0.00	68.28 2.69 0.00	68.35 2.69 0.00	65.01 2.50 0.00	82.46 3.07 -9.44	99.42 3.79 -13.36	95.71 4.12 -9.24	84.12 4.08 0.00	88.01 4.27 -1.55	81.54 3.90 -2.55	80.97 4.07 -0.13	82.26 4.06 0.00	87.51 4.27 -1.14	95.70 4.43 -7.62	118.09 4.44 -31.27	147.41 6.22 -19.10	129.88 4.78 -36.58	115.68 4.62 -25.51	119.37 4.63 -28.92	102.94 4.35 -16.39	99.25 4.18 -13.12	99.07 4.01 -13.20
ATHENS_STG_2 23670	67.17 2.46 0.00	65.59 2.46 0.00	68.35 2.75 0.00	68.28 2.69 0.00	68.35 2.69 0.00	65.01 2.50 0.00	82.46 3.07 -9.44	99.42 3.79 -13.36	95.71 4.12 -9.24	84.12 4.08 0.00	88.01 4.27 -1.55	81.54 3.90 -2.55	80.97 4.07 -0.13	82.26 4.06 0.00	87.51 4.27 -1.14	95.70 4.43 -7.62	104.59 4.44 -17.78	117.60 6.22 10.71	112.55 4.78 -19.24	97.26 4.62 -7.10	116.76 4.63 -26.31	102.94 4.35 -16.39	99.25 4.18 -13.12	99.07 4.01 -13.20
ATHENS_STG_3 23677	67.17 2.46 0.00	65.59 2.46 0.00	68.35 2.75 0.00	68.28 2.69 0.00	68.35 2.69 0.00	65.01 2.50 0.00	82.46 3.07 -9.44	99.42 3.79 -13.36	95.71 4.12 -9.24	84.12 4.08 0.00	88.01 4.27 -1.55	81.54 3.90 -2.55	80.97 4.07 -0.13	82.26 4.06 0.00	87.51 4.27 -1.14	95.70 4.43 -7.62	118.09 4.44 -31.27	147.41 6.22 -19.10	129.88 4.78 -36.58	115.68 4.62 -25.51	119.37 4.63 -28.92	102.94 4.35 -16.39	99.25 4.18 -13.12	99.07 4.01 -13.20
AUBURN___LFGE 323710	64.39 -0.32 0.00	62.82 -0.32 0.00	65.20 -0.39 0.00	65.20 -0.39 0.00	65.39 -0.26 0.00	62.63 0.13 0.00	71.35 1.40 0.00	83.83 1.56 0.00	84.34 1.48 -0.50	81.24 1.20 0.00	83.29 0.90 -0.20	75.86 0.45 -0.32	77.25 0.46 -0.02	78.90 0.70 0.00	82.99 0.74 -0.14	85.62 1.00 -0.96	86.26 0.99 -2.91	123.84 1.59 -0.17	93.68 1.50 -3.65	89.15 1.45 -2.15	90.46 1.20 -3.44	85.08 0.82 -2.06	84.01 0.41 -1.65	84.01 0.49 -1.66
BABYLON_RES_REC 323704	81.02 6.41 -9.90	78.51 6.19 -9.19	78.26 6.30 -6.37	78.21 6.23 -6.39	78.94 6.24 -7.04	85.73 6.38 -16.84	106.42 7.76 -28.71	127.53 9.87 -35.40	112.48 10.21 -19.91	95.02 10.00 -4.98	104.69 10.36 -12.14	95.34 9.39 -10.87	95.27 9.67 -8.82	96.25 9.69 -8.36	104.43 10.51 -11.81	117.12 11.04 -22.42	134.42 10.38 -41.68	177.00 14.64 -40.27	159.94 10.97 -60.44	144.94 10.95 -48.44	137.52 10.90 -40.80	127.15 9.78 -35.17	120.98 10.08 -28.95	110.41 9.65 -18.89
BABYLON__69_KV_BK2 356345	82.03 7.25 -10.07	79.54 7.07 -9.34	79.20 7.15 -6.46	79.02 6.95 -6.47	79.90 7.09 -7.15	86.88 7.19 -17.18	107.76 8.81 -28.99	129.10 11.19 -35.64	113.82 11.53 -19.93	96.05 10.97 -5.05	105.75 11.42 -12.14	96.24 10.29 -10.87	96.19 10.59 -8.82	97.12 10.56 -8.36	105.41 11.50 -11.81	118.37 12.21 -22.50	136.40 12.36 -41.68	180.43 13.54 -40.27	162.56 13.09 -60.48	147.08 13.09 -48.44	139.58 12.96 -40.80	129.36 11.67 -35.49	122.39 11.23 -29.22	111.58 10.81 -18.92
BALL_HILL_WT_PWR 323825	58.83 -5.89 0.00	57.51 -5.62 0.00	59.03 -6.56 0.00	59.23 -6.36 0.00	59.55 -6.10 0.00	57.63 -4.88 0.00	66.88 -3.08 0.00	77.17 -5.10 0.00	77.20 -5.77 -0.61	73.88 -6.16 0.00	74.04 -8.38 -0.24	67.23 -8.18 -0.32	68.89 -7.91 -0.02	70.22 -7.98 0.00	72.89 -9.36 -0.15	75.73 -8.87 -0.94	77.07 -8.57 -3.27	110.64 -12.57 -1.12	84.59 -8.59 -4.65	80.51 -8.21 -3.17	80.69 -8.58 -3.45	76.14 -8.55 -2.49	74.84 -9.10 -1.99	76.34 -7.53 -2.01
BARON_WINDS___WT_PWR 323822	61.61 -3.11 0.00	60.17 -2.97 0.00	62.25 -3.34 0.00	62.38 -3.21 0.00	62.57 -3.08 0.00	60.19 -2.31 0.00	72.92 -0.77 -3.74	85.75 -1.81 -5.29	83.24 -2.31 -3.19	77.32 -2.72 0.00	78.32 -4.19 -0.32	71.22 -4.36 -0.49	72.65 -4.15 -0.03	74.21 -3.99 0.00	77.32 -5.01 -0.22	80.44 -4.68 -1.46	83.10 -4.29 -5.02	117.55 -6.10 -1.56	91.07 -4.16 -6.71	86.13 -3.85 -4.43	86.98 -4.20 -5.36	81.23 -4.36 -3.39	79.91 -4.76 -2.71	80.58 -4.01 -2.73
BARRETT_IC_1 23704	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT_IC_10 23701	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	116.03 6.86 -39.22	145.84 8.64 -54.93	134.56 9.06 -43.14	114.14 8.80 -25.30	136.34 9.12 -45.02	120.84 8.48 -37.27	120.84 8.75 -35.32	120.84 8.83 -33.81	136.20 9.36 -44.73	153.10 9.87 -59.58	153.13 9.55 -61.21	192.09 13.91 -56.09	202.77 10.53 -103.72	184.61 10.26 -88.80	180.53 10.29 -84.41	149.21 9.29 -57.72	138.74 9.01 -47.78	129.53 8.51 -39.16
BARRETT_IC_11 23702	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	116.03 6.86 -39.22	145.84 8.64 -54.93	134.56 9.06 -43.14	114.14 8.80 -25.30	136.34 9.12 -45.02	120.84 8.48 -37.27	120.84 8.75 -35.32	120.84 8.83 -33.81	136.20 9.36 -44.73	153.10 9.87 -59.58	153.13 9.55 -61.21	192.09 13.91 -56.09	202.77 10.53 -103.72	184.61 10.26 -88.80	180.53 10.29 -84.41	149.21 9.29 -57.72	138.74 9.01 -47.78	129.53 8.51 -39.16
BARRETT_IC_12 23703	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	116.03 6.86 -39.22	145.84 8.64 -54.93	134.56 9.06 -43.14	114.14 8.80 -25.30	136.34 9.12 -45.02	120.84 8.48 -37.27	120.84 8.75 -35.32	120.84 8.83 -33.81	136.20 9.36 -44.73	153.10 9.87 -59.58	153.13 9.55 -61.21	192.09 13.91 -56.09	202.77 10.53 -103.72	184.61 10.26 -88.80	180.53 10.29 -84.41	149.21 9.29 -57.72	138.74 9.01 -47.78	129.53 8.51 -39.16
BARRETT_IC_2 23705	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT_IC_3 23706	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT_IC_4 23707	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14



BARRETT_IC_5 23708	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT_IC_6 23709	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT_IC_7 23710	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.25 5.25 -32.41	103.44 5.52 -32.27	103.38 5.63 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.46 9.22 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.20 8.49 -106.62	190.45 8.75 -104.93	187.61 8.76 -100.65	222.71 9.36 -131.24	249.67 9.87 -156.14	204.70 9.80 -112.53	233.66 13.92 -97.65	315.89 10.53 -216.83	290.65 10.27 -194.83	295.10 10.30 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT_IC_8 23711	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT_IC_9 23700	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	116.03 6.86 -39.22	145.84 8.64 -54.93	134.56 9.06 -43.14	114.14 8.80 -25.30	136.34 9.12 -45.02	120.84 8.48 -37.27	120.84 8.75 -35.32	120.84 8.83 -33.81	136.20 9.36 -44.73	153.10 9.87 -59.58	153.13 9.55 -61.21	192.09 13.91 -56.09	202.77 10.53 -103.72	184.61 10.26 -88.80	180.53 10.29 -84.41	149.21 9.29 -57.72	138.74 9.01 -47.78	129.53 8.51 -39.16
BARRETT___1 23545	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	140.01 6.86 -63.20	194.08 8.64 -103.17	195.29 9.06 -103.88	114.14 8.80 -25.30	222.71 9.12 -131.40	190.19 8.48 -106.62	190.45 8.75 -104.93	187.68 8.83 -100.65	222.71 9.36 -131.24	249.66 9.87 -156.14	204.45 9.55 -112.53	233.65 13.91 -97.65	315.88 10.53 -216.83	290.65 10.26 -194.83	295.09 10.29 -198.98	204.45 9.29 -112.97	184.85 9.01 -93.89	182.52 8.51 -92.14
BARRETT___2 23546	107.64 5.63 -37.30	103.44 5.49 -34.82	103.44 5.51 -32.34	103.44 5.44 -32.41	103.44 5.52 -32.27	103.44 5.69 -35.25	116.03 6.86 -39.22	145.84 8.64 -54.93	134.56 9.06 -43.14	114.14 8.80 -25.30	136.34 9.12 -45.02	120.84 8.48 -37.27	120.84 8.75 -35.32	120.84 8.83 -33.81	136.20 9.36 -44.73	153.10 9.87 -59.58	153.13 9.55 -61.21	192.09 13.91 -56.09	202.77 10.53 -103.72	184.61 10.26 -88.80	180.53 10.29 -84.41	149.21 9.29 -57.72	138.74 9.01 -47.78	129.53 8.51 -39.16
BATAVIA__115KV_TB1 55881	59.73 -4.98 0.00	58.27 -4.86 0.00	60.21 -5.38 0.00	60.34 -5.25 0.00	60.54 -5.12 0.00	58.69 -3.81 0.00	67.85 -2.10 0.00	78.90 -3.37 0.00	78.68 -4.20 -0.52	75.16 -4.88 0.00	76.56 -5.84 -0.20	69.45 -5.93 -0.29	70.42 -6.37 -0.02	72.02 -6.18 0.00	75.59 -6.65 -0.13	78.76 -5.77 -0.87	79.33 -5.68 -2.65	112.98 -9.28 -0.17	86.29 -5.84 -3.61	81.95 -5.82 -2.22	83.37 -5.58 -3.13	78.60 -5.75 -2.15	77.61 -6.06 -1.72	78.44 -5.16 -1.73
BAYONEEC___CTG1 323682	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG10 323750	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG2 323683	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG3 323684	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG4 323685	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG5 323686	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG6 323687	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34



BAYONEEC___CTG7 323688	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG8 323689	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BAYONEEC___CTG9 323749	68.92 4.20 0.00	67.18 4.04 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.60 3.94 0.00	66.81 4.31 0.00	88.40 5.46 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.94 7.66 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.85 12.70 -35.06	142.14 9.48 -44.14	129.95 9.24 -35.15	121.46 9.19 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.41 7.21 -11.34
BEACON___LESR 323632	68.08 3.36 0.00	66.35 3.22 0.00	69.00 3.41 0.00	68.93 3.34 0.00	69.07 3.41 0.00	65.75 3.25 0.00	139.89 3.84 -66.10	180.46 4.60 -93.59	137.22 4.69 -50.17	84.84 4.80 0.00	88.62 4.68 -1.75	82.24 4.28 -2.87	81.29 4.37 -0.15	82.65 4.46 0.00	87.74 4.35 -1.28	96.41 4.18 -8.57	111.44 3.87 -25.20	128.58 5.50 -0.99	142.51 3.99 -50.00	124.55 3.94 -35.06	120.29 3.87 -30.61	104.41 3.78 -18.43	101.12 4.42 -14.75	101.37 4.66 -14.85
BEAVER RIVER___HYD 24048	64.33 -0.39 0.00	62.69 -0.44 0.00	65.06 -0.53 0.00	65.14 -0.46 0.00	65.20 -0.46 0.00	62.50 0.00 0.00	70.16 0.21 0.00	82.60 0.33 0.00	82.52 0.17 0.00	79.48 -0.56 0.00	81.50 -0.74 -0.05	74.42 -0.75 -0.09	76.24 -0.53 0.00	77.81 -0.39 0.00	82.06 -0.08 -0.04	84.08 0.17 -0.26	83.15 0.00 -0.78	113.11 0.37 9.35	88.72 0.53 0.34	85.99 0.43 -0.01	87.17 0.43 -0.92	83.33 0.58 -0.55	82.64 0.25 -0.44	82.55 0.25 -0.44
BEEBEE_GT_13 23619	60.96 -3.75 0.00	59.47 -3.66 0.00	61.59 -4.00 0.00	61.66 -3.94 0.00	61.78 -3.87 0.00	59.57 -2.94 0.00	68.20 -1.75 0.00	79.72 -2.55 0.00	79.67 -3.13 -0.44	76.52 -3.52 0.00	78.67 -3.70 -0.18	71.63 -3.75 -0.30	72.33 -4.45 -0.02	73.90 -4.30 0.00	78.05 -4.19 -0.13	81.03 -3.51 -0.89	81.43 -3.62 -2.69	115.76 -6.47 -0.15	88.07 -3.72 -3.26	83.66 -3.76 -1.88	85.57 -3.43 -3.18	80.52 -3.53 -1.86	79.67 -3.77 -1.49	80.08 -3.27 -1.50
BENSHRST_27_KV_BENSHRST_1 355998	112.91 5.44 -42.76	112.87 5.24 -44.50	111.95 5.25 -41.12	110.41 5.05 -39.77	110.48 5.12 -39.70	112.67 5.31 -44.85	114.92 6.65 -38.33	150.38 8.47 -59.64	148.60 9.14 -57.10	144.07 9.04 -54.99	136.41 9.62 -44.61	120.87 8.79 -36.99	122.95 9.06 -37.12	131.09 9.07 -43.82	135.25 9.69 -43.45	189.25 10.21 -95.38	220.68 10.13 -128.18	202.28 14.65 -65.54	247.52 10.98 -148.02	235.36 10.78 -139.03	193.21 10.73 -96.66	181.74 9.62 -89.92	139.11 9.01 -48.15	115.29 8.43 -24.99
BETHLEHEM___GRP 23843	67.04 2.33 0.00	65.41 2.27 0.00	68.02 2.43 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.75 2.25 0.00	138.34 2.59 -65.80	178.56 3.13 -93.17	135.62 3.29 -49.96	83.48 3.44 0.00	87.39 3.45 -1.75	81.12 3.15 -2.87	80.15 3.22 -0.15	81.48 3.28 0.00	86.51 3.12 -1.28	95.00 2.76 -8.58	109.74 2.22 -25.15	125.72 2.81 -0.82	140.46 2.12 -49.81	122.55 2.14 -34.86	118.59 2.15 -30.62	102.95 2.30 -18.45	99.75 3.03 -14.77	100.08 3.36 -14.86
BETHLEHEM___GS1 323560	67.04 2.33 0.00	65.40 2.27 0.00	68.02 2.43 0.00	68.02 2.43 0.00	68.09 2.43 0.00	64.75 2.25 0.00	138.34 2.59 -65.80	178.56 3.13 -93.17	135.62 3.30 -49.96	83.48 3.44 0.00	87.39 3.45 -1.75	81.11 3.15 -2.87	80.14 3.22 -0.15	81.48 3.28 0.00	86.51 3.12 -1.28	94.99 2.76 -8.58	109.74 2.22 -25.15	125.72 2.81 -0.82	140.46 2.12 -49.81	122.55 2.14 -34.86	118.59 2.15 -30.62	102.95 2.30 -18.45	99.75 3.03 -14.77	100.08 3.36 -14.86
BETHLEHEM___GS2 323561	67.04 2.33 0.00	65.40 2.27 0.00	68.02 2.43 0.00	68.02 2.43 0.00	68.09 2.43 0.00	64.75 2.25 0.00	138.34 2.59 -65.80	178.56 3.13 -93.17	135.62 3.30 -49.96	83.48 3.44 0.00	87.39 3.45 -1.75	81.11 3.15 -2.87	80.14 3.22 -0.15	81.48 3.28 0.00	86.51 3.12 -1.28	94.99 2.76 -8.58	109.74 2.22 -25.15	125.72 2.81 -0.82	140.46 2.12 -49.81	122.55 2.14 -34.86	118.59 2.15 -30.62	102.95 2.30 -18.45	99.75 3.03 -14.77	100.08 3.36 -14.86
BETHLEHEM___GS3 323562	67.04 2.33 0.00	65.40 2.27 0.00	68.02 2.43 0.00	68.02 2.43 0.00	68.09 2.43 0.00	64.75 2.25 0.00	138.34 2.59 -65.80	178.56 3.13 -93.17	135.62 3.30 -49.96	83.48 3.44 0.00	87.39 3.45 -1.75	81.11 3.15 -2.87	80.14 3.22 -0.15	81.48 3.28 0.00	86.51 3.12 -1.28	94.99 2.76 -8.58	109.74 2.22 -25.15	125.72 2.81 -0.82	140.46 2.12 -49.81	122.55 2.14 -34.86	118.59 2.15 -30.62	102.95 2.30 -18.45	99.75 3.03 -14.77	100.08 3.36 -14.86
BETHLEHEM___STEEL 23779	58.83 -5.89 0.00	57.51 -5.62 0.00	59.29 -6.30 0.00	59.43 -6.17 0.00	59.55 -6.11 0.00	57.75 -4.75 0.00	66.66 -3.29 0.00	76.92 -5.35 0.00	76.96 -6.01 -0.61	73.63 -6.40 0.00	74.04 -8.38 -0.24	67.22 -8.18 -0.32	68.88 -7.91 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.82 -8.78 -0.94	77.07 -8.57 -3.27	110.26 -12.94 -1.12	84.23 -8.94 -4.65	80.25 -8.47 -3.17	80.52 -8.75 -3.45	76.05 -8.63 -2.48	75.01 -8.93 -1.99	76.25 -7.61 -2.00
BETHLHEM_115KV_TB1 79974	66.98 2.27 0.00	65.41 2.27 0.00	68.02 2.43 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.75 2.25 0.00	134.85 2.59 -62.31	173.62 3.13 -88.23	133.12 3.29 -47.46	83.48 3.44 0.00	87.39 3.45 -1.75	81.04 3.08 -2.87	80.15 3.22 -0.15	81.48 3.28 0.00	86.59 3.20 -1.28	95.07 2.84 -8.57	109.89 2.47 -25.05	125.82 3.17 -0.56	139.24 2.39 -48.33	121.44 2.40 -33.49	118.81 2.40 -30.58	103.10 2.47 -18.43	99.82 3.11 -14.75	100.06 3.36 -14.85
BETHPAGE_CC_5 323564	80.95 5.83 -10.41	78.48 5.68 -9.66	78.30 5.70 -7.00	78.31 5.70 -7.02	78.92 5.65 -7.61	85.04 5.87 -16.67	105.98 7.14 -28.89	127.60 8.89 -36.44	113.65 9.47 -21.82	94.87 9.36 -5.47	106.97 9.86 -14.93	97.20 9.01 -13.10	97.12 9.29 -11.06	98.02 9.30 -10.52	106.63 9.93 -14.60	119.38 10.37 -25.35	135.83 10.13 -43.33	178.71 15.01 -41.61	163.66 11.15 -63.98	148.27 10.87 -51.86	141.13 10.81 -44.50	128.19 9.69 -36.29	121.25 9.42 -29.88	111.43 9.00 -20.56
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	59.02 -5.69 0.00	57.77 -5.37 0.00	59.49 -6.10 0.00	59.62 -5.97 0.00	59.75 -5.91 0.00	57.94 -4.56 0.00	66.87 -3.08 0.00	77.17 -5.10 0.00	77.21 -5.77 -0.62	73.95 -6.08 0.00	74.04 -8.38 -0.24	67.23 -8.18 -0.33	69.19 -7.60 -0.02	70.61 -7.59 0.00	72.98 -9.28 -0.15	75.75 -8.87 -0.96	77.13 -8.57 -3.33	110.77 -12.45 -1.13	84.39 -8.85 -4.72	80.46 -8.30 -3.21	80.50 -8.84 -3.52	76.00 -8.71 -2.52	74.95 -9.01 -2.01	76.19 -7.69 -2.03



BINGHAMTON___COGEN 23790	64.52 -0.19 0.00	63.01 -0.13 0.00	65.46 -0.13 0.00	65.46 -0.13 0.00	65.59 -0.07 0.00	62.69 0.19 0.00	77.17 1.26 -5.96	91.85 1.15 -8.43	88.46 1.07 -5.03	80.84 0.80 0.00	82.90 0.25 -0.46	75.83 0.00 -0.75	77.12 0.31 -0.04	78.59 0.39 0.00	82.61 0.16 -0.33	86.38 0.50 -2.22	90.54 0.58 -7.60	125.49 1.10 -2.31	99.62 0.89 -10.21	93.24 0.94 -6.74	94.65 0.69 -8.14	87.49 0.41 -4.88	85.94 0.08 -3.90	86.12 0.33 -3.93
BIXINCNT_115KV_LOAD 355685	58.57 -6.15 0.00	57.58 -5.56 0.00	59.23 -6.36 0.00	59.36 -6.23 0.00	59.03 -6.63 0.00	57.50 -5.00 0.00	66.38 -3.57 0.00	76.92 -5.35 0.00	77.42 -5.60 -0.66	74.03 -6.00 0.00	73.32 -9.12 -0.25	66.66 -8.79 -0.35	69.19 -7.60 -0.02	70.46 -7.74 0.00	71.59 -10.67 -0.16	74.24 -10.46 -1.04	76.25 -9.72 -3.60	109.99 -13.31 -1.21	83.67 -9.91 -5.06	79.90 -9.07 -3.42	79.08 -10.56 -3.82	74.59 -10.27 -2.67	73.27 -10.82 -2.13	74.68 -9.33 -2.15
BLACK RIVER___HYD 24047	64.78 0.06 0.00	63.20 0.06 0.00	65.59 0.00 0.00	65.66 0.07 0.00	65.79 0.13 0.00	63.19 0.69 0.00	71.35 1.40 0.00	84.24 1.97 0.00	84.09 1.73 0.00	80.76 0.72 0.00	82.76 0.50 -0.07	75.51 0.30 -0.12	77.32 0.54 -0.01	78.98 0.78 0.00	83.39 1.23 -0.05	85.77 1.76 -0.35	84.92 1.48 -1.07	118.82 3.17 6.44	91.11 2.57 -0.01	87.95 2.39 -0.01	89.48 2.40 -1.26	85.01 2.06 -0.76	83.95 1.39 -0.61	83.78 1.31 -0.61
BLACKRVR_115KV_TB2 79977	64.78 0.06 0.00	63.20 0.06 0.00	65.59 0.00 0.00	65.66 0.07 0.00	65.79 0.13 0.00	63.19 0.69 0.00	71.35 1.40 0.00	84.24 1.97 0.00	84.09 1.73 0.00	80.76 0.72 0.00	82.75 0.49 -0.07	75.51 0.30 -0.12	77.31 0.54 -0.01	78.98 0.78 0.00	83.39 1.23 -0.05	85.68 1.67 -0.35	84.92 1.48 -1.07	118.83 3.17 6.44	91.19 2.66 -0.01	87.95 2.40 -0.01	89.57 2.49 -1.26	85.01 2.05 -0.76	83.95 1.39 -0.61	83.78 1.31 -0.61
BLISS_WT_PWR 323608	58.11 -6.60 0.00	57.20 -5.94 0.00	58.77 -6.82 0.00	58.97 -6.62 0.00	58.50 -7.15 0.00	56.88 -5.63 0.00	65.89 -4.06 0.00	76.51 -5.76 0.00	77.09 -5.93 -0.66	73.63 -6.41 0.00	72.99 -9.45 -0.25	66.20 -9.24 -0.35	68.81 -7.99 -0.02	69.99 -8.21 0.00	71.02 -11.25 -0.16	73.66 -11.04 -1.04	75.67 -10.30 -3.60	109.14 -14.16 -1.21	83.04 -10.54 -5.06	79.31 -9.67 -3.42	78.31 -11.33 -3.82	73.93 -10.93 -2.67	72.70 -11.39 -2.13	74.02 -9.99 -2.15
BLUESTONE___WT_PWR 323821	67.50 2.78 0.00	65.91 2.77 0.00	68.41 2.82 0.00	68.47 2.88 0.00	68.54 2.89 0.00	65.88 3.37 0.00	86.07 5.10 -11.02	104.04 6.17 -15.60	97.36 6.18 -8.82	85.16 5.13 0.00	87.20 4.52 -0.50	79.72 3.83 -0.81	81.11 4.30 -0.04	82.81 4.61 0.00	87.31 4.84 -0.36	91.50 5.43 -2.40	96.10 5.52 -8.22	134.02 9.27 -2.66	108.67 6.82 -13.33	101.44 6.50 -9.40	101.07 6.44 -8.81	93.03 5.59 -5.24	91.14 5.00 -4.19	91.16 5.08 -4.22
BLUE_CIRC_CHEM_DRP 24182	67.24 2.52 0.00	65.59 2.46 0.00	68.35 2.75 0.00	68.28 2.69 0.00	68.35 2.69 0.00	64.94 2.44 0.00	120.47 2.73 -47.79	153.14 3.21 -67.66	122.58 3.21 -37.01	83.24 3.20 0.00	87.03 3.12 -1.72	80.68 2.78 -2.82	79.76 2.84 -0.15	81.25 3.05 0.00	86.40 3.04 -1.26	95.08 3.01 -8.41	110.44 2.88 -25.19	127.73 4.15 -1.49	134.51 3.01 -42.98	117.50 3.08 -28.87	118.87 2.92 -30.13	103.25 2.96 -18.09	99.71 3.28 -14.48	99.87 3.44 -14.57
BOC_GAS_DRP 24189	66.66 1.94 0.00	65.15 2.02 0.00	67.82 2.23 0.00	67.76 2.16 0.00	67.82 2.17 0.00	64.44 1.94 0.00	115.17 2.31 -42.91	145.82 2.80 -60.75	118.97 3.05 -33.57	83.16 3.12 0.00	87.05 3.12 -1.74	80.80 2.85 -2.86	79.84 2.92 -0.15	81.17 2.97 0.00	86.42 3.04 -1.27	95.20 3.01 -8.53	109.67 2.80 -24.51	124.95 3.78 0.93	131.52 2.92 -40.07	114.31 2.91 -25.85	119.09 2.92 -30.35	103.34 2.79 -18.34	99.58 2.95 -14.68	99.58 2.95 -14.77
BOONVILLE_115KV_TB1 79983	65.69 0.97 0.00	64.08 0.95 0.00	66.58 0.98 0.00	66.58 0.98 0.00	66.71 1.05 0.00	63.88 1.38 0.00	71.91 1.96 0.00	84.74 2.47 0.00	84.83 2.47 0.00	81.96 1.92 0.00	84.04 1.81 -0.05	76.67 1.50 -0.08	78.46 1.69 0.00	80.08 1.88 0.00	84.28 2.13 -0.03	86.31 2.43 -0.23	85.36 2.31 -0.69	123.68 3.78 2.20	91.60 2.92 -0.15	88.29 2.74 -0.01	89.46 2.83 -0.81	85.23 2.55 -0.49	84.55 2.21 -0.39	84.46 2.21 -0.39
BORALEX_4TH_BRANCH 23824	69.05 4.34 0.00	67.36 4.23 0.00	70.05 4.46 0.00	69.92 4.33 0.00	70.12 4.46 0.00	66.82 4.31 0.00	174.69 5.11 -99.63	229.51 6.17 -141.07	163.01 6.34 -74.31	86.44 6.40 0.00	90.34 6.41 -1.74	83.73 5.78 -2.86	82.91 5.99 -0.15	84.22 6.02 0.00	89.71 6.32 -1.28	98.72 6.53 -8.54	115.80 6.51 -26.93	137.44 9.40 -5.95	161.13 7.17 -65.43	141.96 6.76 -49.65	123.46 6.78 -30.86	106.82 6.25 -18.37	102.72 6.06 -14.71	102.31 5.65 -14.80
BOWLINE___1 23526	68.01 3.30 0.00	66.29 3.16 0.00	68.80 3.21 0.00	68.80 3.21 0.00	68.81 3.15 0.00	65.94 3.44 0.00	86.91 4.34 -12.62	105.73 5.60 -17.86	99.50 6.18 -10.96	86.20 6.16 0.00	90.14 6.65 -1.29	83.29 6.08 -2.12	83.18 6.30 -0.11	84.46 6.26 0.00	89.70 6.65 -0.95	96.86 6.86 -6.34	123.17 7.00 -33.80	165.42 10.13 -33.20	138.48 7.61 -42.34	126.51 7.36 -33.60	118.77 7.38 -25.57	102.34 6.49 -13.65	98.94 6.06 -10.92	98.42 5.57 -10.99
BOWLINE___2 23595	68.01 3.30 0.00	66.29 3.16 0.00	68.80 3.21 0.00	68.80 3.21 0.00	68.81 3.15 0.00	65.94 3.44 0.00	86.91 4.34 -12.62	105.73 5.60 -17.86	99.50 6.18 -10.96	86.20 6.16 0.00	90.14 6.65 -1.29	83.29 6.08 -2.12	83.18 6.30 -0.11	84.53 6.33 0.00	89.70 6.65 -0.95	96.86 6.86 -6.34	123.17 7.00 -33.81	165.42 10.13 -33.21	138.49 7.61 -42.35	126.52 7.36 -33.61	118.78 7.38 -25.57	102.34 6.49 -13.65	98.94 6.06 -10.93	98.42 5.57 -10.99
BRADY___115KV_TB2 356060	65.17 0.45 0.00	63.38 0.25 0.00	65.72 0.13 0.00	65.85 0.26 0.00	65.72 0.07 0.00	62.63 0.13 0.00	68.83 -1.12 0.00	80.46 -1.81 0.00	80.38 -1.98 0.00	77.88 -2.16 0.00	80.22 -1.97 0.00	73.36 -1.73 0.00	75.24 -1.54 0.00	76.56 -1.64 0.00	80.47 -1.64 0.00	81.73 -1.92 0.00	80.39 -1.98 0.00	86.63 -4.52 30.94	83.46 -2.74 2.32	82.81 -2.74 0.00	83.25 -2.57 0.00	80.97 -1.23 0.00	81.13 -0.82 0.00	81.29 -0.57 0.00
BRANSCOMB___SOLAR 323811	68.79 4.08 0.00	66.98 3.85 0.00	69.66 4.07 0.00	69.66 4.07 0.00	69.73 4.07 0.00	66.44 3.94 0.00	208.93 4.97 -134.01	277.95 5.93 -189.75	187.11 5.93 -98.82	85.56 5.52 0.00	89.32 5.34 -1.80	82.85 4.81 -2.95	81.84 4.92 -0.15	83.28 5.08 0.00	88.84 5.42 -1.32	98.41 5.94 -8.81	115.23 6.10 -26.76	136.18 9.27 -4.81	173.75 6.82 -78.41	153.24 6.59 -61.11	123.97 6.52 -31.63	107.07 5.92 -18.95	102.76 5.65 -15.16	102.52 5.40 -15.26
BRENTWOD_69_KV_W. BRTWOOD 56703	80.98 7.12 -9.15	78.56 6.94 -8.48	78.10 7.02 -5.49	77.91 6.82 -5.50	78.85 6.96 -6.24	86.49 7.06 -16.92	106.58 8.60 -28.03	126.48 10.94 -33.27	110.21 11.28 -16.57	95.05 10.73 -4.29	100.68 11.18 -7.31	92.22 10.14 -6.99	92.14 10.44 -4.93	93.22 10.40 -4.62	100.33 11.25 -6.97	112.75 11.88 -17.22	133.28 12.11 -38.81	177.74 17.70 -37.95	156.03 13.28 -54.23	140.90 12.83 -42.51	132.92 12.70 -34.40	126.44 11.43 -32.82	119.84 10.90 -26.99	108.32 10.48 -15.98



BRISTLHL_115KV_TB1 79998	62.97 -1.75 0.00	61.43 -1.70 0.00	63.82 -1.77 0.00	63.82 -1.77 0.00	63.95 -1.71 0.00	61.07 -1.44 0.00	69.04 -0.91 0.00	81.12 -1.15 0.00	81.04 -1.32 0.00	78.68 -1.36 0.00	80.82 -1.48 -0.11	73.77 -1.50 -0.18	75.17 -1.61 -0.01	76.71 -1.49 0.00	80.71 -1.48 -0.08	82.94 -1.25 -0.53	82.67 -1.32 -1.62	120.13 -1.95 0.00	88.13 -1.15 -0.75	84.45 -1.11 -0.01	86.54 -1.20 -1.92	81.95 -1.40 -1.15	81.31 -1.56 -0.92	81.23 -1.56 -0.93
BROOKHAVEN___DRP 24191	80.78 7.05 -9.01	78.29 6.82 -8.34	77.79 6.89 -5.32	77.61 6.69 -5.33	78.63 6.89 -6.08	86.45 7.00 -16.94	106.27 8.39 -27.92	125.87 10.69 -32.90	109.20 10.87 -15.97	94.52 10.32 -4.16	99.32 10.68 -6.44	90.99 9.61 -6.29	90.90 9.90 -4.23	91.92 9.77 -3.95	99.05 10.84 -6.10	111.40 11.46 -16.28	132.52 11.86 -38.29	177.20 17.58 -37.53	154.74 13.10 -53.11	139.74 12.75 -41.44	131.59 12.53 -33.24	125.79 11.18 -32.42	119.18 10.57 -26.65	107.80 10.48 -15.46
BROOKLYN_NAVY_YARD 23515	68.86 4.15 0.00	67.18 4.04 0.00	69.53 3.94 0.00	69.53 3.94 0.00	69.46 3.81 0.00	66.76 4.25 0.00	88.33 5.39 -12.99	107.74 7.08 -18.39	101.38 7.74 -11.28	87.89 7.85 0.00	91.91 8.39 -1.34	84.86 7.58 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.51 8.90 -35.24	169.73 12.58 -35.06	142.04 9.38 -44.14	130.03 9.33 -35.15	121.55 9.27 -26.45	104.42 8.14 -14.08	101.01 7.79 -11.27	100.49 7.28 -11.34
BROOKLYN___ARMY_DRP 323595	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
BROOKVLE_69_KV_TB1 55790	80.59 5.57 -10.31	78.09 5.37 -9.60	78.93 5.44 -7.89	78.75 5.25 -7.91	79.24 5.38 -8.20	81.27 5.50 -13.27	104.22 6.93 -27.35	128.84 8.64 -37.93	119.30 9.22 -27.72	95.41 9.20 -6.17	115.66 9.70 -23.78	104.08 8.79 -20.21	104.10 9.14 -18.20	104.71 9.15 -17.36	115.34 9.77 -23.46	127.92 10.21 -34.05	141.00 10.05 -48.59	182.61 14.65 -45.87	174.32 10.89 -74.90	158.79 10.52 -62.72	152.52 10.47 -56.23	129.06 9.37 -37.49	121.99 9.18 -30.86	116.24 8.68 -25.70
BROOME_2_LFGE 323671	64.52 -0.19 0.00	63.01 -0.13 0.00	65.46 -0.13 0.00	65.46 -0.13 0.00	65.59 -0.07 0.00	62.69 0.19 0.00	77.17 1.26 -5.96	91.94 1.24 -8.43	88.46 1.07 -5.03	80.84 0.80 0.00	82.90 0.25 -0.46	75.83 0.00 -0.75	77.12 0.31 -0.04	78.59 0.39 0.00	82.61 0.16 -0.33	86.30 0.42 -2.22	90.46 0.50 -7.60	125.49 1.10 -2.31	99.62 0.89 -10.21	93.24 0.94 -6.74	94.64 0.68 -8.14	87.41 0.33 -4.88	85.94 0.08 -3.90	86.12 0.33 -3.93
BROOME___LFGE 323600	64.52 -0.19 0.00	63.01 -0.13 0.00	65.46 -0.13 0.00	65.46 -0.13 0.00	65.59 -0.07 0.00	62.69 0.19 0.00	77.17 1.26 -5.96	91.94 1.24 -8.43	88.46 1.07 -5.03	80.84 0.80 0.00	82.90 0.25 -0.46	75.83 0.00 -0.75	77.12 0.31 -0.04	78.59 0.39 0.00	82.61 0.16 -0.33	86.30 0.42 -2.22	90.46 0.50 -7.60	125.49 1.10 -2.31	99.62 0.89 -10.21	93.24 0.94 -6.74	94.64 0.68 -8.14	87.41 0.33 -4.88	85.94 0.08 -3.90	86.12 0.33 -3.93
BROWNFLS_115KV_TB_3_5 80003	64.13 -0.58 0.00	62.44 -0.69 0.00	64.80 -0.79 0.00	64.94 -0.66 0.00	64.87 -0.79 0.00	61.94 -0.56 0.00	68.83 -1.12 0.00	80.54 -1.73 0.00	80.46 -1.89 0.00	77.72 -2.32 0.00	79.92 -2.30 -0.04	73.05 -2.10 -0.06	75.01 -1.77 0.00	76.40 -1.80 0.00	80.49 -1.64 -0.03	82.16 -1.67 -0.18	81.02 -1.89 -0.55	100.74 -3.42 17.93	85.40 -2.04 1.09	83.50 -2.05 0.00	84.49 -1.97 -0.65	81.52 -1.07 -0.39	81.36 -0.90 -0.31	81.44 -0.74 -0.31
BROWNSV1_27_KV_LOAD 356125	69.50 4.79 0.00	67.74 4.61 0.00	70.18 4.59 0.00	69.99 4.39 0.00	70.12 4.46 0.00	67.32 4.81 0.00	89.03 6.09 -12.99	108.56 7.90 -18.39	102.29 8.65 -11.28	88.68 8.64 0.00	92.73 9.21 -1.34	85.69 8.41 -2.19	85.56 8.68 -0.11	86.88 8.68 0.00	92.36 9.28 -0.98	99.99 9.79 -6.54	127.33 9.72 -35.24	171.19 14.04 -35.06	143.11 10.45 -44.14	130.88 10.18 -35.15	122.49 10.21 -26.45	105.32 9.04 -14.08	101.74 8.52 -11.27	101.14 7.94 -11.34
BURROWS___LYONSDAL 23803	65.30 0.58 0.00	63.76 0.63 0.00	66.18 0.59 0.00	66.25 0.66 0.00	66.31 0.66 0.00	63.57 1.06 0.00	71.56 1.61 0.00	84.24 1.97 0.00	84.33 1.98 0.00	81.40 1.36 0.00	83.47 1.23 -0.05	76.14 0.98 -0.08	78.00 1.23 0.00	79.53 1.33 0.00	83.79 1.64 -0.03	85.81 1.92 -0.23	84.88 1.81 -0.70	121.54 3.05 3.60	91.06 2.48 -0.06	87.78 2.22 -0.01	88.97 2.32 -0.83	84.75 2.05 -0.50	84.15 1.80 -0.40	83.98 1.72 -0.40
CAITHNESS_CC_1 323624	80.57 6.86 -9.00	78.10 6.63 -8.34	77.66 6.76 -5.31	77.61 6.69 -5.32	78.43 6.70 -6.07	86.14 6.69 -16.94	105.91 8.04 -27.92	125.53 10.37 -32.89	108.77 10.46 -15.95	94.19 10.00 -4.15	99.05 10.44 -6.42	90.82 9.46 -6.27	90.73 9.75 -4.21	91.83 9.69 -3.93	98.78 10.60 -6.08	111.13 11.21 -16.26	132.09 11.45 -38.28	176.57 16.96 -37.52	154.35 12.75 -53.08	139.37 12.40 -41.42	131.14 12.10 -33.21	125.37 10.77 -32.41	118.92 10.33 -26.65	107.54 10.23 -15.44
CALPINE BETH_PAGE_GT4 24209	81.48 5.76 -11.00	78.91 5.56 -10.23	78.96 5.64 -7.73	78.78 5.44 -7.75	79.51 5.58 -8.27	84.71 5.69 -16.52	106.29 7.07 -29.27	129.09 8.89 -37.93	116.16 9.47 -24.33	95.37 9.28 -6.04	110.70 9.94 -18.57	100.13 9.01 -16.03	100.14 9.37 -14.00	100.92 9.38 -13.33	110.37 10.02 -18.24	123.44 10.54 -29.24	138.32 10.46 -45.49	180.71 15.26 -43.36	168.51 11.33 -68.65	152.83 10.95 -56.33	146.13 10.99 -49.33	130.07 9.95 -37.92	122.78 9.59 -31.24	113.70 9.09 -22.75
CALPINE_BETH_PAGE_GT_4 323586	81.48 5.76 -11.00	78.91 5.56 -10.23	78.96 5.64 -7.73	78.98 5.64 -7.75	79.51 5.58 -8.27	84.77 5.75 -16.52	106.29 7.06 -29.27	129.09 8.89 -37.93	116.08 9.39 -24.33	95.36 9.28 -6.04	110.70 9.94 -18.57	100.12 9.01 -16.03	100.13 9.36 -14.00	100.91 9.38 -13.33	110.37 10.01 -18.24	123.35 10.46 -29.24	138.16 10.29 -45.49	180.71 15.26 -43.36	168.51 11.33 -68.65	152.92 11.04 -56.33	146.14 10.99 -49.33	129.98 9.86 -37.92	122.77 9.58 -31.24	113.70 9.09 -22.75
CALPINE_BP_GT1 23823	81.48 5.76 -11.00	78.91 5.56 -10.23	78.96 5.64 -7.73	78.98 5.64 -7.75	79.51 5.58 -8.27	84.77 5.75 -16.52	106.29 7.06 -29.27	129.09 8.89 -37.93	116.08 9.39 -24.33	95.36 9.28 -6.04	110.70 9.94 -18.57	100.12 9.01 -16.03	100.13 9.36 -14.00	100.91 9.38 -13.33	110.37 10.01 -18.24	123.35 10.46 -29.24	138.16 10.29 -45.49	180.71 15.26 -43.36	168.51 11.33 -68.65	152.92 11.04 -56.33	146.14 10.99 -49.33	129.98 9.86 -37.92	122.77 9.58 -31.24	113.70 9.09 -22.75
CALSPAN___DRP 24200	58.83 -5.89 0.00	57.51 -5.62 0.00	59.29 -6.30 0.00	59.43 -6.17 0.00	59.55 -6.11 0.00	57.75 -4.75 0.00	66.66 -3.29 0.00	76.92 -5.35 0.00	76.96 -6.01 -0.61	73.63 -6.40 0.00	74.04 -8.38 -0.24	67.22 -8.18 -0.32	68.88 -7.91 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.82 -8.78 -0.94	77.07 -8.57 -3.27	110.26 -12.94 -1.12	84.23 -8.94 -4.65	80.25 -8.47 -3.17	80.52 -8.75 -3.45	76.05 -8.63 -2.48	75.01 -8.93 -1.99	76.25 -7.61 -2.00



CALVERTON___SOLAR 323806	81.03 7.31 -9.01	78.48 7.01 -8.35	78.00 7.09 -5.32	78.01 7.09 -5.33	78.83 7.09 -6.08	86.57 7.12 -16.94	106.48 8.60 -27.92	126.20 11.03 -32.91	109.37 11.04 -15.97	94.76 10.56 -4.16	99.49 10.85 -6.45	91.14 9.76 -6.30	91.06 10.05 -4.23	92.09 9.93 -3.96	99.22 11.01 -6.11	111.66 11.71 -16.29	132.69 12.03 -38.30	177.69 18.07 -37.53	155.19 13.54 -53.12	140.17 13.17 -41.45	131.86 12.79 -33.25	125.97 11.35 -32.42	119.42 10.82 -26.66	108.13 10.80 -15.46
CANDIGU_WT_PWR 323617	61.61 -3.11 0.00	60.17 -2.97 0.00	62.25 -3.34 0.00	62.38 -3.21 0.00	62.57 -3.08 0.00	60.19 -2.31 0.00	72.92 -0.77 -3.74	85.75 -1.81 -5.29	83.24 -2.31 -3.19	77.32 -2.72 0.00	78.32 -4.19 -0.32	71.22 -4.36 -0.49	72.65 -4.15 -0.03	74.21 -3.99 0.00	77.32 -5.01 -0.22	80.44 -4.68 -1.46	83.10 -4.29 -5.02	117.55 -6.10 -1.56	91.07 -4.16 -6.71	86.13 -3.85 -4.43	86.98 -4.20 -5.36	81.23 -4.36 -3.39	79.91 -4.76 -2.71	80.58 -4.01 -2.73
CARR STREET_E_SYR 24060	63.29 -1.42 0.00	61.74 -1.39 0.00	64.15 -1.44 0.00	64.15 -1.44 0.00	64.27 -1.38 0.00	61.44 -1.06 0.00	69.60 -0.35 0.00	81.86 -0.41 0.00	81.78 -0.57 0.00	79.32 -0.72 0.00	81.50 -0.82 -0.14	74.34 -0.98 -0.23	75.71 -1.07 -0.01	77.34 -0.86 0.00	81.31 -0.90 -0.10	83.66 -0.67 -0.68	83.68 -0.74 -2.05	120.99 -1.10 0.00	88.95 -0.53 -0.95	84.97 -0.59 -0.02	87.65 -0.60 -2.42	82.83 -0.82 -1.45	82.04 -1.07 -1.16	82.05 -0.98 -1.17
CARTHAGE___PAPER 23857	64.46 -0.26 0.00	62.82 -0.31 0.00	65.20 -0.39 0.00	65.26 -0.33 0.00	65.39 -0.26 0.00	62.69 0.19 0.00	70.58 0.63 0.00	83.18 0.91 0.00	83.01 0.66 0.00	79.88 -0.16 0.00	81.84 -0.41 -0.06	74.75 -0.45 -0.11	76.55 -0.23 -0.01	78.12 -0.08 0.00	82.40 0.25 -0.05	84.64 0.67 -0.31	83.82 0.50 -0.96	115.87 1.35 7.56	89.64 1.24 0.12	86.67 1.11 -0.01	88.06 1.11 -1.13	83.94 1.07 -0.68	83.07 0.58 -0.54	82.90 0.49 -0.55
CASSADAGA_WT_PWR 323784	59.34 -5.37 0.00	58.08 -5.05 0.00	58.18 -7.41 0.00	58.44 -7.15 0.00	60.21 -5.45 0.00	58.38 -4.13 0.00	68.07 -1.89 0.00	78.65 -3.62 0.00	78.63 -4.37 -0.64	75.24 -4.80 0.00	73.48 -8.96 -0.25	66.72 -8.71 -0.34	68.65 -8.14 -0.02	69.91 -8.29 0.00	72.00 -10.27 -0.15	74.71 -9.96 -1.01	78.10 -7.75 -3.48	112.40 -10.87 -1.17	85.91 -7.52 -4.91	81.78 -7.10 -3.33	81.52 -7.98 -3.68	76.75 -8.05 -2.60	73.54 -10.49 -2.08	76.75 -7.20 -2.09
CE_DUNWOOD___DRP 24194	68.79 4.08 0.00	67.05 3.91 0.00	69.53 3.94 0.00	69.40 3.80 0.00	69.53 3.87 0.00	66.57 4.06 0.00	88.09 5.18 -12.96	107.29 6.66 -18.36	100.87 7.25 -11.26	87.24 7.20 0.00	91.25 7.73 -1.33	84.33 7.06 -2.19	84.18 7.29 -0.11	85.47 7.27 0.00	90.88 7.80 -0.97	98.38 8.20 -6.53	125.67 8.15 -35.15	168.88 11.84 -34.95	141.40 8.85 -44.03	129.16 8.55 -35.06	120.80 8.58 -26.40	103.81 7.56 -14.05	100.33 7.13 -11.25	99.81 6.63 -11.32
CE_MILLWOOD___DRP 24193	68.66 3.95 0.00	66.92 3.79 0.00	69.46 3.87 0.00	69.26 3.67 0.00	69.40 3.74 0.00	66.44 3.94 0.00	87.92 5.04 -12.93	106.99 6.42 -18.31	100.59 7.00 -11.23	87.00 6.96 0.00	91.00 7.48 -1.33	84.10 6.83 -2.18	83.95 7.06 -0.11	85.24 7.04 0.00	90.55 7.47 -0.97	98.03 7.86 -6.51	125.30 7.91 -35.02	168.22 11.35 -34.78	140.89 8.50 -43.86	128.77 8.30 -34.92	120.46 8.32 -26.32	103.61 7.40 -14.01	100.05 6.88 -11.22	99.53 6.39 -11.29
CE_NYC2_DRP 24202	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.23 7.57 -18.39	103.63 8.32 -12.95	96.08 8.24 -7.80	103.59 8.88 -12.52	90.27 8.03 -7.14	90.52 8.37 -5.38	92.80 8.37 -6.23	102.08 8.95 -11.02	112.20 9.37 -19.17	140.11 9.31 -48.44	174.90 13.43 -39.39	146.44 10.00 -47.91	134.22 9.75 -38.92	124.61 9.78 -29.00	108.29 8.71 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
CE_NYC_DRP 24195	68.88 4.34 0.17	67.27 4.17 0.03	69.50 4.13 0.22	69.31 3.94 0.22	69.51 4.07 0.22	66.81 4.31 0.00	86.85 5.60 -11.30	107.90 7.24 -18.39	101.63 7.99 -11.28	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	85.02 8.14 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.09 12.94 -35.06	142.31 9.65 -44.14	130.11 9.41 -35.15	121.71 9.44 -26.45	104.58 8.30 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
CHAFFEE___LFGE 323603	59.08 -5.63 0.00	57.77 -5.37 0.00	59.56 -6.03 0.00	59.69 -5.90 0.00	59.75 -5.91 0.00	57.82 -4.69 0.00	67.02 -2.94 0.00	77.33 -4.93 0.00	77.31 -5.68 -0.64	73.95 -6.09 0.00	74.13 -8.30 -0.24	67.39 -8.03 -0.34	69.27 -7.52 -0.02	70.69 -7.51 0.00	73.14 -9.12 -0.15	76.04 -8.61 -0.99	77.24 -8.57 -3.44	110.92 -12.33 -1.16	84.70 -8.67 -4.85	80.72 -8.13 -3.30	80.79 -8.66 -3.64	76.22 -8.55 -2.58	75.16 -8.85 -2.06	76.41 -7.53 -2.07
CHATEAUG_35_KV_LOAD 355732	63.74 -0.97 0.00	61.93 -1.20 0.00	64.21 -1.38 0.00	64.28 -1.31 0.00	64.21 -1.44 0.00	61.07 -1.44 0.00	67.01 -2.94 0.00	78.24 -4.03 0.00	78.16 -4.20 0.00	75.88 -4.16 0.00	78.65 -3.53 0.00	71.94 -3.15 0.00	73.62 -3.15 0.00	74.84 -3.36 0.00	78.66 -3.45 0.00	79.89 -3.76 0.00	78.91 -3.46 0.00	82.84 -5.74 33.51	81.32 -4.69 2.51	81.44 -4.11 0.00	81.44 -4.38 0.00	79.08 -3.12 0.00	79.33 -2.62 0.00	79.65 -2.21 0.00
CHATEAUG_WT_PWR 323614	63.55 -1.16 0.00	61.74 -1.39 0.00	64.09 -1.51 0.00	63.95 -1.64 0.00	64.02 -1.64 0.00	60.94 -1.56 0.00	66.80 -3.15 0.00	77.91 -4.36 0.00	77.83 -4.53 0.00	75.64 -4.40 0.00	78.49 -3.70 0.00	71.64 -3.45 0.00	73.40 -3.38 0.00	74.68 -3.52 0.00	78.50 -3.61 0.00	79.81 -3.85 0.00	78.83 -3.54 0.00	81.69 -6.22 34.18	81.36 -4.61 2.56	81.19 -4.36 0.00	81.53 -4.29 0.00	78.91 -3.29 0.00	79.16 -2.79 0.00	79.65 -2.21 0.00
CHAT_HIGH_FALL_HYD 323578	63.74 -0.97 0.00	61.93 -1.20 0.00	64.21 -1.38 0.00	64.28 -1.31 0.00	64.21 -1.44 0.00	61.07 -1.44 0.00	67.01 -2.94 0.00	78.24 -4.03 0.00	78.16 -4.20 0.00	75.88 -4.16 0.00	78.65 -3.53 0.00	71.94 -3.15 0.00	73.62 -3.15 0.00	74.84 -3.36 0.00	78.66 -3.45 0.00	79.89 -3.76 0.00	78.91 -3.46 0.00	82.84 -5.74 33.51	81.32 -4.69 2.51	81.44 -4.11 0.00	81.44 -4.38 0.00	79.08 -3.12 0.00	79.33 -2.62 0.00	79.65 -2.21 0.00
CHAUTAUQUA___LFGE 323629	58.95 -5.76 0.00	57.70 -5.43 0.00	58.90 -6.69 0.00	59.10 -6.49 0.00	59.75 -5.91 0.00	57.88 -4.62 0.00	67.36 -2.59 0.00	77.83 -4.44 0.00	77.80 -5.19 -0.62	74.43 -5.60 0.00	74.29 -8.14 -0.24	67.38 -8.03 -0.33	68.96 -7.83 -0.02	70.30 -7.90 0.00	72.90 -9.36 -0.15	75.84 -8.78 -0.97	77.57 -8.16 -3.35	111.39 -11.84 -1.14	85.22 -8.06 -4.75	81.09 -7.70 -3.24	81.21 -8.15 -3.54	76.59 -8.14 -2.53	74.80 -9.18 -2.03	76.70 -7.20 -2.04
CHERRYST_13_KV_LD 356241	69.08 4.53 0.17	67.46 4.36 0.03	69.70 4.33 0.22	69.50 4.13 0.22	69.64 4.20 0.22	67.00 4.50 0.00	87.06 5.81 -11.30	108.23 7.57 -18.39	101.96 8.32 -11.28	88.36 8.32 0.00	92.40 8.88 -1.34	85.39 8.11 -2.19	85.25 8.37 -0.11	86.57 8.37 0.00	92.03 8.95 -0.98	99.65 9.45 -6.54	127.00 9.39 -35.24	170.58 13.43 -35.06	142.58 9.91 -44.14	130.37 9.67 -35.15	121.97 9.70 -26.45	104.91 8.63 -14.08	101.33 8.11 -11.27	100.73 7.53 -11.34



CHESTROR_138KV_BK263 355645	67.89 3.17 0.00	66.23 3.09 0.00	68.74 3.15 0.00	68.61 3.02 0.00	68.74 3.09 0.00	65.75 3.25 0.00	86.31 4.20 -12.16	104.75 5.27 -17.21	98.68 5.77 -10.56	85.72 5.68 0.00	89.43 6.00 -1.24	82.60 5.48 -2.03	82.56 5.68 -0.11	83.91 5.71 0.00	89.09 6.08 -0.91	96.17 6.44 -6.07	120.67 6.42 -31.88	162.19 9.40 -30.70	135.56 7.08 -39.95	123.93 6.84 -31.54	117.08 6.87 -24.40	101.36 6.08 -13.08	98.15 5.74 -10.47	97.63 5.24 -10.53
CH_MIDHUDSON___DRP 24192	68.99 4.27 0.00	67.24 4.10 0.00	69.85 4.26 0.00	69.66 4.07 0.00	69.79 4.14 0.00	66.75 4.25 0.00	89.42 5.32 -14.15	108.97 6.66 -20.04	101.62 7.08 -12.18	87.00 6.96 0.00	90.86 7.31 -1.36	84.00 6.68 -2.22	83.80 6.91 -0.12	85.08 6.88 0.00	90.49 7.39 -0.99	98.17 7.86 -6.64	125.52 7.82 -35.33	168.30 11.60 -34.61	141.81 8.68 -44.60	129.26 8.30 -35.41	120.93 8.32 -26.78	103.98 7.48 -14.30	100.45 7.05 -11.45	100.01 6.63 -11.52
CH_MISC_IPPS 23765	69.31 4.60 0.00	67.55 4.42 0.00	70.11 4.52 0.00	70.05 4.46 0.00	70.12 4.47 0.00	67.13 4.63 0.00	89.65 5.80 -13.90	109.10 7.15 -19.68	101.80 7.49 -11.95	87.32 7.28 0.00	91.17 7.64 -1.33	84.18 6.90 -2.18	84.03 7.14 -0.11	85.39 7.19 0.00	90.80 7.72 -0.97	98.29 8.11 -6.52	125.10 8.24 -34.50	167.98 12.33 -33.56	141.37 9.29 -43.55	128.88 8.81 -34.51	121.00 8.93 -26.26	104.13 7.89 -14.04	100.72 7.53 -11.24	100.21 7.04 -11.31
CH_RES_BVR_FALLS 23983	63.61 -1.10 0.00	62.00 -1.13 0.00	64.34 -1.25 0.00	64.34 -1.25 0.00	64.41 -1.25 0.00	61.31 -1.19 0.00	67.92 -2.03 0.00	79.80 -2.47 0.00	79.89 -2.47 0.00	77.64 -2.40 0.00	79.89 -2.30 0.00	73.07 -2.02 0.00	74.70 -2.07 0.00	75.93 -2.27 0.00	79.72 -2.38 0.00	81.06 -2.59 0.00	79.90 -2.47 0.00	65.64 -3.79 52.66	81.66 -2.92 3.95	82.81 -2.74 0.00	83.07 -2.75 0.00	79.98 -2.22 0.00	79.98 -1.97 0.00	80.06 -1.80 0.00
CH_RES_NIAGARA 23895	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.52 -8.14 0.00	55.69 -6.81 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.22 -10.19 -0.22	65.61 -9.76 -0.28	66.27 -10.52 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	73.87 -10.62 -0.83	74.47 -10.79 -2.90	105.66 -17.46 -1.03	81.23 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.81 -3.05	74.06 -10.44 -2.30	73.30 -10.49 -1.84	74.54 -9.17 -1.85
CH_RES_SYRACUSE 23985	64.07 -0.65 0.00	62.50 -0.63 0.00	64.94 -0.66 0.00	65.00 -0.59 0.00	65.06 -0.59 0.00	62.19 -0.31 0.00	70.51 0.56 0.00	82.85 0.58 0.00	82.77 0.41 0.00	80.28 0.24 0.00	82.43 0.08 -0.16	75.20 -0.15 -0.26	76.63 -0.15 -0.01	78.20 0.00 0.00	82.31 0.08 -0.12	84.77 0.34 -0.77	84.97 0.25 -2.35	122.58 0.49 0.00	90.24 0.62 -1.09	86.09 0.52 -0.02	89.12 0.52 -2.78	84.03 0.16 -1.67	83.20 -0.08 -1.33	83.20 0.00 -1.34
CLINTON_WT_PWR 323605	63.55 -1.16 0.00	61.74 -1.39 0.00	64.09 -1.51 0.00	63.95 -1.64 0.00	64.02 -1.64 0.00	60.94 -1.56 0.00	66.80 -3.15 0.00	77.91 -4.36 0.00	77.83 -4.53 0.00	75.64 -4.40 0.00	78.49 -3.70 0.00	71.64 -3.45 0.00	73.40 -3.38 0.00	74.68 -3.52 0.00	78.50 -3.61 0.00	79.81 -3.85 0.00	78.83 -3.54 0.00	81.69 -6.22 34.18	81.36 -4.61 2.56	81.19 -4.36 0.00	81.53 -4.29 0.00	78.91 -3.29 0.00	79.16 -2.79 0.00	79.65 -2.21 0.00
CLINTON___LFGE 323618	64.52 -0.19 0.00	62.63 -0.51 0.00	65.00 -0.59 0.00	64.94 -0.66 0.00	64.94 -0.72 0.00	61.94 -0.56 0.00	67.78 -2.17 0.00	78.73 -3.54 0.00	78.65 -3.70 0.00	76.36 -3.68 0.00	79.56 -2.63 0.00	72.61 -2.48 0.00	74.31 -2.46 0.00	75.62 -2.58 0.00	79.48 -2.63 0.00	80.81 -2.84 0.00	79.81 -2.55 0.00	83.07 -5.01 34.00	82.52 -3.45 2.55	82.21 -3.34 0.00	82.56 -3.26 0.00	79.90 -2.30 0.00	80.07 -1.88 0.00	80.79 -1.07 0.00
COBBLENY_34_KV_TB1 80064	59.08 -5.63 0.00	57.77 -5.37 0.00	59.56 -6.03 0.00	59.69 -5.90 0.00	59.81 -5.84 0.00	58.00 -4.50 0.00	66.94 -3.01 0.00	77.25 -5.02 0.00	77.31 -5.68 -0.64	73.95 -6.08 0.00	74.13 -8.30 -0.24	67.39 -8.03 -0.34	69.27 -7.52 -0.02	70.69 -7.51 0.00	73.15 -9.11 -0.15	76.03 -8.62 -0.99	77.40 -8.40 -3.44	110.92 -12.33 -1.16	84.70 -8.68 -4.85	80.72 -8.13 -3.30	80.87 -8.58 -3.64	76.23 -8.55 -2.58	75.16 -8.85 -2.06	76.40 -7.53 -2.07
COFFEEN___115KV_TB3 355620	65.10 0.39 0.00	63.57 0.44 0.00	65.92 0.33 0.00	66.05 0.46 0.00	66.12 0.46 0.00	63.63 1.13 0.00	71.91 1.96 0.00	84.90 2.63 0.00	85.49 3.13 0.00	81.96 1.92 0.00	83.91 1.64 -0.08	76.49 1.28 -0.12	78.31 1.54 -0.01	80.00 1.80 0.00	84.54 2.38 -0.05	87.04 3.01 -0.37	86.37 2.88 -1.12	120.25 4.40 6.24	92.12 3.54 -0.05	88.72 3.17 -0.01	90.40 3.26 -1.32	85.70 2.71 -0.79	84.63 2.05 -0.63	84.37 1.88 -0.62
COLDSPRG_115KV_BK1 355956	60.90 -3.82 0.00	59.60 -3.54 0.00	60.67 -4.92 0.00	60.87 -4.72 0.00	61.72 -3.94 0.00	59.94 -2.56 0.00	69.53 -0.42 0.00	80.21 -2.06 0.00	80.31 -2.72 -0.67	76.84 -3.20 0.00	75.29 -7.15 -0.26	68.47 -6.98 -0.36	71.19 -5.60 -0.02	72.57 -5.63 0.00	74.22 -8.05 -0.16	76.94 -7.78 -1.07	79.62 -6.42 -3.68	115.13 -8.18 -1.23	87.30 -6.37 -5.15	83.38 -5.65 -3.48	82.77 -6.95 -3.90	77.84 -7.07 -2.71	75.59 -8.52 -2.17	77.74 -6.30 -2.18
COLONIE_LFGE___ 323577	68.14 3.43 0.00	66.48 3.34 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.20 3.54 0.00	65.88 3.37 0.00	191.09 4.06 -117.08	252.90 4.85 -165.78	174.11 5.02 -86.73	85.00 4.96 0.00	88.89 4.93 -1.78	82.43 4.43 -2.91	81.53 4.61 -0.15	82.81 4.61 0.00	88.33 4.93 -1.30	97.46 5.10 -8.70	113.83 5.03 -26.44	133.86 7.45 -4.32	165.60 5.58 -71.50	145.81 5.39 -54.87	122.39 5.32 -31.24	105.84 4.93 -18.71	101.76 4.83 -14.98	101.52 4.58 -15.07
COOPERNY_115KV_TB1 80082	66.98 2.27 0.00	65.34 2.21 0.00	67.89 2.30 0.00	67.82 2.23 0.00	67.89 2.23 0.00	64.82 2.31 0.00	83.21 3.15 -10.11	100.53 3.95 -14.32	95.43 4.28 -8.79	84.20 4.16 0.00	87.65 4.44 -1.02	80.81 4.05 -1.67	81.08 4.22 -0.09	82.42 4.22 0.00	87.37 4.52 -0.74	93.41 4.77 -4.99	111.32 4.78 -24.17	149.82 6.96 -20.77	124.14 5.31 -30.31	113.91 5.13 -23.23	110.62 5.15 -19.65	97.47 4.52 -10.75	94.73 4.18 -8.60	94.45 3.93 -8.66
COPENHAGEN_WT_PWR 323753	64.59 -0.13 0.00	63.01 -0.13 0.00	65.40 -0.20 0.00	65.46 -0.13 0.00	65.59 -0.07 0.00	62.95 0.44 0.00	71.14 1.19 0.00	83.91 1.64 0.00	83.76 1.40 0.00	80.52 0.48 0.00	82.59 0.33 -0.08	75.36 0.15 -0.12	77.09 0.31 -0.01	78.75 0.55 0.00	83.07 0.90 -0.06	85.45 1.42 -0.37	84.65 1.15 -1.13	118.77 2.57 5.88	90.82 2.21 -0.08	87.53 1.97 -0.01	89.13 1.98 -1.33	84.64 1.64 -0.80	83.65 1.06 -0.64	83.49 0.99 -0.64
CORNELL_____ 23752	65.56 0.84 0.00	63.95 0.82 0.00	66.44 0.85 0.00	66.38 0.79 0.00	66.58 0.92 0.00	63.82 1.31 0.00	76.92 2.66 -4.31	91.41 3.04 -6.10	88.77 2.80 -3.61	82.36 2.32 0.00	84.40 1.89 -0.32	77.04 1.43 -0.52	78.41 1.61 -0.03	80.08 1.88 0.00	84.31 1.97 -0.23	87.65 2.43 -1.56	90.17 2.47 -5.33	127.83 4.15 -1.59	98.95 3.28 -7.14	93.42 3.17 -4.70	94.47 2.92 -5.73	87.98 2.38 -3.40	86.64 1.97 -2.72	86.65 2.05 -2.74



CORONA__69_KV_TB1 355595	95.08 5.95 -24.42	91.66 5.75 -22.79	92.32 5.84 -20.89	92.17 5.64 -20.94	92.37 5.78 -20.93	92.40 5.88 -24.02	123.44 7.27 -46.21	164.70 9.13 -73.30	162.09 9.72 -70.01	105.82 9.44 -16.34	175.63 9.78 -83.67	152.32 8.94 -68.29	152.44 9.21 -66.46	151.21 9.31 -63.71	175.40 9.85 -83.44	195.70 10.37 -101.66	177.00 10.46 -84.17	211.91 15.14 -74.68	253.55 11.33 -153.70	232.74 10.95 -136.24	232.47 10.99 -135.66	170.42 9.95 -78.28	156.28 9.42 -64.91	153.46 9.00 -62.59
CORTLAND__115KV_TB3 80093	65.04 0.32 0.00	63.51 0.38 0.00	65.92 0.33 0.00	65.92 0.33 0.00	66.12 0.46 0.00	63.25 0.75 0.00	71.77 1.82 0.00	84.33 2.06 0.00	84.96 1.89 -0.71	81.64 1.60 0.00	83.69 1.23 -0.27	76.35 0.83 -0.43	77.79 1.00 -0.02	79.45 1.25 0.00	83.53 1.23 -0.19	86.53 1.59 -1.29	88.40 1.65 -4.38	126.05 2.69 -1.27	96.29 2.12 -5.64	91.25 2.05 -3.65	92.42 1.89 -4.71	86.47 1.48 -2.80	85.33 1.15 -2.24	85.34 1.23 -2.25
COXSACKIE__GT 23611	70.15 5.44 0.00	68.37 5.24 0.00	71.10 5.51 0.00	71.03 5.44 0.00	71.17 5.52 0.00	68.01 5.50 0.00	122.23 5.80 -46.48	154.50 6.42 -65.81	124.29 6.01 -35.93	85.96 5.92 0.00	88.76 4.93 -1.64	82.06 4.28 -2.70	81.21 4.30 -0.14	83.13 4.93 0.00	88.15 4.84 -1.20	97.14 5.43 -8.05	115.43 6.43 -26.64	139.50 10.37 -7.04	139.86 6.64 -44.69	123.93 7.02 -31.37	121.33 6.18 -29.33	105.19 5.67 -17.33	102.13 6.31 -13.87	102.45 6.63 -13.96
CPV_VALLEY__CC1 323721	67.31 2.59 0.00	65.66 2.53 0.00	68.22 2.63 0.00	68.22 2.63 0.00	68.21 2.56 0.00	65.25 2.75 0.00	84.82 3.57 -11.30	102.79 4.52 -16.00	97.13 4.94 -9.84	84.92 4.88 0.00	88.61 5.26 -1.16	81.80 4.81 -1.90	81.86 4.99 -0.10	83.21 5.01 0.00	88.29 5.33 -0.85	94.86 5.52 -5.68	117.12 5.60 -29.15	157.51 8.18 -27.24	131.21 6.19 -36.49	120.11 5.99 -28.57	114.42 5.92 -22.69	99.61 5.18 -12.23	96.65 4.92 -9.79	96.21 4.50 -9.85
CPV_VALLEY__CC2 323722	67.31 2.59 0.00	65.66 2.53 0.00	68.22 2.63 0.00	68.22 2.63 0.00	68.21 2.56 0.00	65.25 2.75 0.00	84.82 3.57 -11.30	102.79 4.52 -16.00	97.13 4.94 -9.84	84.92 4.88 0.00	88.61 5.26 -1.16	81.80 4.81 -1.90	81.86 4.99 -0.10	83.21 5.01 0.00	88.29 5.33 -0.85	94.86 5.52 -5.68	117.12 5.60 -29.15	157.51 8.18 -27.24	131.21 6.19 -36.49	120.11 5.99 -28.57	114.42 5.92 -22.69	99.61 5.18 -12.23	96.65 4.92 -9.79	96.21 4.50 -9.85
CRESCENT__HYD 24018	68.14 3.43 0.00	66.48 3.34 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.20 3.54 0.00	65.88 3.37 0.00	191.09 4.06 -117.08	252.90 4.85 -165.78	174.11 5.02 -86.73	85.00 4.96 0.00	88.89 4.93 -1.78	82.43 4.43 -2.91	81.53 4.61 -0.15	82.81 4.61 0.00	88.33 4.93 -1.30	97.46 5.10 -8.70	113.83 5.03 -26.44	133.86 7.45 -4.32	165.60 5.58 -71.50	145.81 5.39 -54.87	122.39 5.32 -31.24	105.84 4.93 -18.71	101.76 4.83 -14.98	101.52 4.58 -15.07
CRICKET__VALLEY_CC1 323756	68.53 3.82 0.00	66.86 3.72 0.00	69.46 3.87 0.00	69.39 3.80 0.00	69.46 3.81 0.00	66.25 3.75 0.00	90.29 4.54 -15.80	110.39 5.76 -22.37	101.93 6.26 -13.32	86.28 6.25 0.00	90.26 6.65 -1.42	83.42 6.01 -2.32	83.11 6.22 -0.12	84.46 6.26 0.00	89.79 6.65 -1.04	97.45 6.86 -6.93	126.04 6.92 -36.76	167.88 9.88 -35.91	142.78 7.44 -46.81	129.92 7.19 -37.18	120.95 7.21 -27.92	103.61 6.49 -14.92	100.04 6.15 -11.94	99.52 5.64 -12.02
CRICKET__VALLEY_CC2 323757	68.53 3.82 0.00	66.86 3.72 0.00	69.46 3.87 0.00	69.39 3.80 0.00	69.46 3.81 0.00	66.25 3.75 0.00	90.29 4.54 -15.80	110.39 5.76 -22.37	101.93 6.26 -13.32	86.28 6.25 0.00	90.26 6.65 -1.42	83.42 6.01 -2.32	83.11 6.22 -0.12	84.46 6.26 0.00	89.79 6.65 -1.04	97.45 6.86 -6.93	126.04 6.92 -36.76	167.88 9.88 -35.91	142.78 7.44 -46.81	129.92 7.19 -37.18	120.95 7.21 -27.92	103.61 6.49 -14.92	100.04 6.15 -11.94	99.52 5.64 -12.02
CRICKET__VALLEY_CC3 323758	68.53 3.82 0.00	66.86 3.72 0.00	69.46 3.87 0.00	69.39 3.80 0.00	69.46 3.81 0.00	66.25 3.75 0.00	90.29 4.54 -15.80	110.39 5.76 -22.37	101.93 6.26 -13.32	86.28 6.25 0.00	90.26 6.65 -1.42	83.42 6.01 -2.32	83.11 6.22 -0.12	84.46 6.26 0.00	89.79 6.65 -1.04	97.45 6.86 -6.93	126.04 6.92 -36.76	167.88 9.88 -35.91	142.78 7.44 -46.81	129.92 7.19 -37.18	120.95 7.21 -27.92	103.61 6.49 -14.92	100.04 6.15 -11.94	99.52 5.64 -12.02
CRUCIBLE__METL_DRP 24180	64.07 -0.65 0.00	62.50 -0.63 0.00	64.94 -0.66 0.00	64.94 -0.66 0.00	65.07 -0.59 0.00	62.19 -0.31 0.00	70.51 0.56 0.00	82.84 0.58 0.00	82.77 0.41 0.00	80.28 0.24 0.00	82.43 0.08 -0.16	75.20 -0.15 -0.26	76.63 -0.15 -0.01	78.20 0.00 0.00	82.31 0.08 -0.12	84.77 0.33 -0.77	84.97 0.25 -2.35	122.58 0.49 0.00	90.24 0.62 -1.09	86.17 0.60 -0.02	89.12 0.51 -2.78	84.11 0.25 -1.67	83.20 -0.08 -1.33	83.20 0.00 -1.34
DAHOWA__HYDRO 323763	69.05 4.34 0.00	67.18 4.04 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.69 4.19 0.00	211.80 5.31 -136.53	281.93 6.34 -193.32	189.32 6.34 -100.62	85.96 5.92 0.00	89.66 5.67 -1.80	83.15 5.11 -2.96	82.15 5.22 -0.15	83.59 5.39 0.00	89.17 5.75 -1.32	98.76 6.28 -8.83	115.69 6.51 -26.82	136.99 10.01 -4.89	175.31 7.34 -79.44	154.68 7.10 -62.04	124.47 6.95 -31.70	107.43 6.24 -18.99	103.13 5.98 -15.20	102.88 5.73 -15.29
DANC__LFGE 323619	63.94 -0.77 0.00	62.38 -0.75 0.00	64.74 -0.85 0.00	64.81 -0.78 0.00	64.94 -0.72 0.00	62.07 -0.43 0.00	70.23 0.28 0.00	82.68 0.41 0.00	82.61 0.25 0.00	79.64 -0.40 0.00	81.87 -0.41 -0.09	74.63 -0.60 -0.15	76.32 -0.46 -0.01	77.89 -0.31 0.00	82.09 -0.08 -0.06	84.43 0.34 -0.44	83.69 0.00 -1.32	118.76 0.61 3.94	89.55 0.70 -0.32	86.16 0.60 -0.01	87.99 0.60 -1.56	83.38 0.25 -0.94	82.54 -0.16 -0.75	82.37 -0.24 -0.75
DANSKAMMER__1 23586	69.31 4.60 0.00	67.55 4.42 0.00	70.11 4.52 0.00	70.05 4.46 0.00	70.12 4.47 0.00	67.13 4.63 0.00	89.65 5.80 -13.90	109.10 7.15 -19.68	101.80 7.49 -11.95	87.32 7.28 0.00	91.17 7.64 -1.33	84.18 6.90 -2.18	84.03 7.14 -0.11	85.39 7.19 0.00	90.80 7.72 -0.97	98.29 8.11 -6.52	125.10 8.24 -34.50	167.98 12.33 -33.56	141.37 9.29 -43.55	128.88 8.81 -34.51	121.00 8.93 -26.26	104.13 7.89 -14.04	100.72 7.53 -11.24	100.21 7.04 -11.31
DANSKAMMER__2 23589	69.31 4.60 0.00	67.55 4.42 0.00	70.11 4.52 0.00	70.05 4.46 0.00	70.12 4.47 0.00	67.13 4.63 0.00	89.65 5.80 -13.90	109.10 7.15 -19.68	101.80 7.49 -11.95	87.32 7.28 0.00	91.17 7.64 -1.33	84.18 6.90 -2.18	84.03 7.14 -0.11	85.39 7.19 0.00	90.80 7.72 -0.97	98.29 8.11 -6.52	125.10 8.24 -34.50	167.98 12.33 -33.56	141.37 9.29 -43.55	128.88 8.81 -34.51	121.00 8.93 -26.26	104.13 7.89 -14.04	100.72 7.53 -11.24	100.21 7.04 -11.31
DANSKAMMER__3 23590	69.31 4.60 0.00	67.55 4.42 0.00	70.11 4.52 0.00	70.05 4.46 0.00	70.12 4.47 0.00	67.13 4.63 0.00	89.65 5.80 -13.90	109.10 7.15 -19.68	101.80 7.49 -11.95	87.32 7.28 0.00	91.17 7.64 -1.33	84.18 6.90 -2.18	84.03 7.14 -0.11	85.39 7.19 0.00	90.80 7.72 -0.97	98.29 8.11 -6.52	125.10 8.24 -34.50	167.98 12.33 -33.56	141.37 9.29 -43.55	128.88 8.81 -34.51	121.00 8.93 -26.26	104.13 7.89 -14.04	100.72 7.53 -11.24	100.21 7.04 -11.31



DANSKAMMER___4 23591	69.31 4.60 0.00	67.55 4.42 0.00	70.11 4.52 0.00	70.05 4.46 0.00	70.12 4.47 0.00	67.13 4.63 0.00	89.65 5.80 -13.90	109.10 7.15 -19.68	101.80 7.49 -11.95	87.32 7.28 0.00	91.17 7.64 -1.33	84.18 6.90 -2.18	84.03 7.14 -0.11	85.39 7.19 0.00	90.80 7.72 -0.97	98.29 8.11 -6.52	125.10 8.24 -34.50	167.98 12.33 -33.56	141.37 9.29 -43.55	128.88 8.81 -34.51	121.00 8.93 -26.26	104.13 7.89 -14.04	100.72 7.53 -11.24	100.21 7.04 -11.31
DANSKAMMER___DIESEL 23592	69.31 4.59 0.00	67.55 4.42 0.00	70.12 4.53 0.00	69.92 4.33 0.00	70.12 4.46 0.00	67.13 4.63 0.00	89.65 5.81 -13.90	109.02 7.08 -19.68	101.80 7.49 -11.95	87.32 7.28 0.00	91.16 7.64 -1.33	84.18 6.91 -2.18	84.02 7.14 -0.11	85.39 7.19 0.00	90.80 7.72 -0.97	98.46 8.28 -6.52	125.19 8.32 -34.50	167.98 12.33 -33.56	141.37 9.30 -43.55	128.88 8.81 -34.51	121.00 8.93 -26.26	104.13 7.89 -14.04	100.73 7.54 -11.24	100.21 7.04 -11.31
DARBY___SOLAR 323810	68.79 4.08 0.00	66.98 3.85 0.00	69.66 4.07 0.00	69.66 4.07 0.00	69.73 4.07 0.00	66.51 4.00 0.00	209.13 5.04 -134.14	278.20 6.00 -189.93	187.20 5.93 -98.91	85.64 5.60 0.00	89.41 5.42 -1.80	82.85 4.81 -2.95	81.91 4.99 -0.15	83.36 5.16 0.00	88.93 5.50 -1.32	98.41 5.94 -8.81	115.23 6.10 -26.77	136.31 9.40 -4.82	173.89 6.91 -78.46	153.38 6.68 -61.15	123.97 6.52 -31.63	107.07 5.92 -18.95	102.77 5.65 -15.17	102.61 5.49 -15.26
DASHVILLE___HYD 23610	70.41 5.69 0.00	68.62 5.49 0.00	71.17 5.58 0.00	70.97 5.38 0.00	71.17 5.52 0.00	68.32 5.81 0.00	98.93 7.07 -21.92	121.78 8.47 -31.03	108.90 8.73 -17.81	88.44 8.40 0.00	92.11 8.55 -1.38	85.08 7.73 -2.26	84.72 7.83 -0.12	86.25 8.05 0.00	91.82 8.70 -1.01	99.94 9.54 -6.75	123.62 9.97 -31.29	162.70 15.38 -25.23	142.03 11.15 -42.35	128.75 10.78 -32.42	122.77 10.64 -26.31	106.01 9.29 -14.52	102.42 8.85 -11.62	101.91 8.35 -11.70
DEERFIELD_69_KV_DEERFIELD LD 355887	81.43 7.70 -9.01	78.87 7.39 -8.35	78.39 7.48 -5.32	78.20 7.28 -5.33	79.16 7.42 -6.08	87.01 7.56 -16.94	107.11 9.23 -27.92	126.94 11.76 -32.91	110.20 11.86 -15.98	95.32 11.13 -4.16	99.75 11.10 -6.47	91.23 9.84 -6.31	91.15 10.13 -4.25	92.25 10.09 -3.97	99.56 11.33 -6.12	112.09 12.13 -16.31	133.19 12.52 -38.30	178.43 18.80 -37.54	155.65 13.99 -53.14	140.54 13.52 -41.47	132.31 13.22 -33.27	126.38 11.75 -32.43	119.59 10.98 -26.66	108.55 11.21 -15.47
DELAWARE___LFGE 323621	66.66 1.94 0.00	65.15 2.02 0.00	67.89 2.30 0.00	67.82 2.23 0.00	67.95 2.30 0.00	64.75 2.25 0.00	92.44 3.15 -19.34	113.52 3.87 -27.38	101.53 4.04 -15.14	83.72 3.68 0.00	86.33 3.53 -0.61	79.24 3.15 -1.00	80.12 3.30 -0.05	81.64 3.44 0.00	86.17 3.61 -0.44	90.56 3.93 -2.97	96.49 3.95 -10.17	131.70 6.10 -3.51	112.51 4.60 -19.38	104.29 4.45 -14.29	101.18 4.46 -10.90	92.59 3.95 -6.44	90.71 3.61 -5.16	90.57 3.52 -5.19
DERFIELD_115KV_TB7 355931	65.04 0.32 0.00	63.45 0.32 0.00	65.98 0.39 0.00	65.98 0.39 0.00	66.05 0.39 0.00	62.88 0.38 0.00	70.58 0.63 0.00	83.09 0.82 0.00	83.18 0.82 0.00	80.84 0.80 0.00	82.93 0.74 0.00	75.77 0.68 0.00	77.54 0.77 0.00	78.98 0.78 0.00	82.93 0.82 0.00	84.58 0.92 0.00	83.19 0.82 0.00	125.22 1.22 -1.91	89.64 0.97 -0.14	86.49 0.94 0.00	86.76 0.94 0.00	83.02 0.82 0.00	82.77 0.82 0.00	82.60 0.74 0.00
DOGLEVILLE___HYD 23807	66.01 1.29 0.00	64.39 1.26 0.00	66.90 1.31 0.00	66.90 1.31 0.00	66.97 1.31 0.00	63.88 1.37 0.00	71.77 1.82 0.00	84.40 2.14 0.00	84.58 2.22 0.00	82.12 2.08 0.00	84.24 2.06 0.00	76.97 1.88 0.00	78.76 1.99 0.00	80.23 2.03 0.00	84.24 2.13 0.00	85.83 2.17 0.00	84.43 2.06 0.00	127.06 3.05 -1.91	90.97 2.30 -0.14	87.77 2.22 0.00	88.05 2.23 0.00	84.50 2.30 0.00	84.24 2.29 0.00	84.15 2.29 0.00
DUNKIRK___115KV_TB_200 55889	58.96 -5.76 0.00	57.70 -5.43 0.00	58.97 -6.62 0.00	59.16 -6.43 0.00	59.81 -5.84 0.00	58.07 -4.44 0.00	67.22 -2.73 0.00	77.74 -4.52 0.00	77.71 -5.27 -0.62	74.36 -5.68 0.00	74.29 -8.14 -0.24	67.46 -7.96 -0.33	69.04 -7.75 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.84 -8.78 -0.96	77.80 -7.91 -3.34	111.26 -11.96 -1.14	85.12 -8.14 -4.74	81.08 -7.70 -3.23	81.20 -8.15 -3.53	76.67 -8.06 -2.53	74.88 -9.10 -2.02	76.69 -7.20 -2.03
DUNKIRK___1 23563	58.96 -5.76 0.00	57.70 -5.43 0.00	58.97 -6.62 0.00	59.16 -6.43 0.00	59.81 -5.84 0.00	58.07 -4.44 0.00	67.22 -2.73 0.00	77.74 -4.52 0.00	77.71 -5.27 -0.62	74.36 -5.68 0.00	74.29 -8.14 -0.24	67.46 -7.96 -0.33	69.04 -7.75 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.84 -8.78 -0.96	77.80 -7.91 -3.34	111.26 -11.96 -1.14	85.12 -8.14 -4.74	81.08 -7.70 -3.23	81.20 -8.15 -3.53	76.67 -8.06 -2.53	74.88 -9.10 -2.02	76.69 -7.20 -2.03
DUNKIRK___2 23564	58.96 -5.76 0.00	57.70 -5.43 0.00	58.97 -6.62 0.00	59.16 -6.43 0.00	59.81 -5.84 0.00	58.07 -4.44 0.00	67.22 -2.73 0.00	77.74 -4.52 0.00	77.71 -5.27 -0.62	74.36 -5.68 0.00	74.29 -8.14 -0.24	67.46 -7.96 -0.33	69.04 -7.75 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.84 -8.78 -0.96	77.80 -7.91 -3.34	111.26 -11.96 -1.14	85.12 -8.14 -4.74	81.08 -7.70 -3.23	81.20 -8.15 -3.53	76.67 -8.06 -2.53	74.88 -9.10 -2.02	76.69 -7.20 -2.03
DUNKIRK___3 23565	58.89 -5.82 0.00	57.64 -5.49 0.00	59.10 -6.49 0.00	59.23 -6.36 0.00	59.68 -5.97 0.00	57.94 -4.56 0.00	67.01 -2.94 0.00	77.42 -4.85 0.00	77.37 -5.60 -0.61	74.03 -6.00 0.00	74.21 -8.22 -0.24	67.38 -8.03 -0.32	68.96 -7.83 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.82 -8.78 -0.95	77.42 -8.24 -3.29	110.88 -12.33 -1.12	84.70 -8.50 -4.67	80.69 -8.04 -3.19	80.88 -8.41 -3.47	76.39 -8.30 -2.50	74.85 -9.10 -2.00	76.42 -7.45 -2.01
DUNKIRK___4 23566	58.89 -5.82 0.00	57.64 -5.49 0.00	59.10 -6.49 0.00	59.23 -6.36 0.00	59.68 -5.97 0.00	57.94 -4.56 0.00	67.01 -2.94 0.00	77.42 -4.85 0.00	77.37 -5.60 -0.61	74.03 -6.00 0.00	74.21 -8.22 -0.24	67.38 -8.03 -0.32	68.96 -7.83 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.82 -8.78 -0.95	77.42 -8.24 -3.29	110.88 -12.33 -1.12	84.70 -8.50 -4.67	80.69 -8.04 -3.19	80.88 -8.41 -3.47	76.39 -8.30 -2.50	74.85 -9.10 -2.00	76.42 -7.45 -2.01
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	68.92 4.21 0.00	67.24 4.10 0.00	69.72 4.13 0.00	69.53 3.94 0.00	69.66 4.01 0.00	66.69 4.19 0.00	88.33 5.39 -12.99	107.57 6.91 -18.39	101.14 7.49 -11.29	87.48 7.44 0.00	91.58 8.05 -1.34	84.56 7.28 -2.19	84.49 7.60 -0.11	85.78 7.59 0.00	91.13 8.05 -0.98	98.73 8.53 -6.54	126.09 8.48 -35.24	169.48 12.33 -35.06	141.78 9.12 -44.14	129.60 8.90 -35.16	121.20 8.93 -26.45	104.17 7.89 -14.08	100.68 7.46 -11.27	100.08 6.88 -11.34
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	68.66 3.95 0.00	66.92 3.79 0.00	69.53 3.94 0.00	69.33 3.74 0.00	69.46 3.81 0.00	66.50 4.00 0.00	88.60 5.11 -13.54	107.77 6.33 -19.17	100.74 6.75 -11.63	86.60 6.56 0.00	90.46 6.99 -1.29	83.51 6.31 -2.12	83.41 6.53 -0.11	84.77 6.57 0.00	90.11 7.06 -0.94	97.50 7.53 -6.32	122.89 7.50 -33.03	164.86 11.11 -31.66	138.66 8.41 -41.73	126.53 8.04 -32.94	119.24 8.07 -25.36	102.95 7.15 -13.60	99.64 6.80 -10.89	99.12 6.30 -10.96



E179THST_138_KV_TB4_REV_LBMP_J 345001	69.12 4.40 -0.01	67.35 4.23 0.01	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.87 4.38 0.01	88.40 5.46 -12.99	107.82 7.16 -18.39	101.54 7.91 -11.28	87.95 7.92 0.01	92.00 8.47 -1.34	85.01 7.73 -2.18	84.86 7.98 -0.11	86.17 7.98 0.01	91.63 8.54 -0.98	99.24 9.04 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.33 9.65 -44.15	130.13 9.41 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.58 7.37 -11.35
E179THST_13_KV_LOAD 356214	69.45 4.72 -0.01	67.67 4.55 0.01	70.05 4.46 0.00	69.85 4.26 0.00	69.99 4.33 0.00	67.18 4.69 0.01	88.75 5.81 -12.99	108.23 7.57 -18.39	101.95 8.32 -11.28	88.35 8.32 0.01	92.41 8.88 -1.34	85.38 8.11 -2.18	85.25 8.37 -0.11	86.56 8.37 0.01	92.04 8.95 -0.98	99.66 9.45 -6.55	127.01 9.39 -35.25	170.71 13.55 -35.07	142.77 10.09 -44.15	130.55 9.84 -35.17	122.15 9.87 -26.46	105.08 8.80 -14.09	101.51 8.28 -11.28	100.99 7.78 -11.35
EAST HAMPTON___GT 23717	81.10 7.37 -9.01	78.55 7.07 -8.35	78.00 7.09 -5.32	78.01 7.09 -5.33	78.77 7.03 -6.08	86.57 7.12 -16.94	106.76 8.88 -27.92	126.70 11.52 -32.91	109.79 11.44 -15.99	94.93 10.73 -4.16	99.01 10.36 -6.47	90.40 9.01 -6.31	90.38 9.36 -4.25	91.55 9.38 -3.97	98.83 10.60 -6.12	111.34 11.38 -16.31	132.29 11.62 -38.30	177.45 17.82 -37.54	154.94 13.27 -53.14	139.77 12.75 -41.47	131.37 12.27 -33.28	125.31 10.68 -32.43	118.69 10.08 -26.66	108.05 10.72 -15.47
EAST RIVER___6 23660	68.82 4.27 0.17	67.20 4.10 0.03	69.44 4.07 0.22	69.44 4.07 0.22	69.38 3.94 0.22	66.88 4.37 0.00	86.78 5.52 -11.30	107.98 7.32 -18.39	101.72 8.08 -11.28	88.21 8.17 0.00	92.23 8.71 -1.34	85.24 7.96 -2.19	85.18 8.29 -0.11	86.48 8.29 0.00	91.87 8.79 -0.98	99.32 9.12 -6.54	126.75 9.14 -35.24	170.08 12.94 -35.06	142.23 9.56 -44.14	130.11 9.41 -35.15	121.63 9.36 -26.45	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.28 -11.34
EAST RIVER___7 23524	68.82 4.27 0.17	67.20 4.10 0.03	69.44 4.07 0.22	69.44 4.07 0.22	69.38 3.94 0.22	66.88 4.37 0.00	86.78 5.52 -11.30	107.98 7.32 -18.39	101.72 8.08 -11.28	88.21 8.17 0.00	92.23 8.71 -1.34	85.24 7.96 -2.19	85.18 8.29 -0.11	86.48 8.29 0.00	91.87 8.79 -0.98	99.32 9.12 -6.54	126.75 9.14 -35.24	170.08 12.94 -35.06	142.23 9.56 -44.14	130.11 9.41 -35.15	121.63 9.36 -26.45	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.28 -11.34
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	68.79 4.08 0.00	67.05 3.91 0.00	69.53 3.94 0.00	69.40 3.80 0.00	69.53 3.87 0.00	66.57 4.06 0.00	88.09 5.18 -12.96	107.29 6.66 -18.36	100.87 7.25 -11.26	87.24 7.20 0.00	91.25 7.73 -1.33	84.33 7.06 -2.19	84.18 7.29 -0.11	85.47 7.27 0.00	90.88 7.80 -0.97	98.38 8.20 -6.53	125.67 8.15 -35.15	168.88 11.84 -34.95	141.40 8.85 -44.03	129.16 8.55 -35.06	120.80 8.58 -26.40	103.81 7.56 -14.05	100.33 7.13 -11.25	99.81 6.63 -11.32
EAST_HAMPTON___DIESEL 23722	80.97 7.25 -9.01	78.42 6.94 -8.35	77.86 6.95 -5.32	77.87 6.95 -5.33	78.63 6.89 -6.08	86.45 7.00 -16.94	106.62 8.74 -27.92	126.54 11.36 -32.91	109.63 11.28 -15.99	94.84 10.65 -4.16	98.84 10.19 -6.47	90.25 8.86 -6.31	90.15 9.13 -4.25	91.39 9.22 -3.97	98.66 10.43 -6.12	111.18 11.21 -16.31	132.04 11.37 -38.30	177.08 17.46 -37.54	154.68 13.02 -53.14	139.60 12.58 -41.47	131.20 12.10 -33.28	125.15 10.52 -32.43	118.44 9.83 -26.66	107.90 10.56 -15.47
EAST_POINT___SOLAR 323840	69.63 4.92 0.00	67.68 4.55 0.00	70.44 4.85 0.00	70.44 4.85 0.00	70.64 4.99 0.00	67.51 5.00 0.00	213.39 6.93 -136.52	283.79 8.23 -193.30	190.05 7.33 -100.36	85.24 5.20 0.00	87.77 3.61 -1.97	80.50 2.18 -3.23	79.01 2.07 -0.17	81.33 3.13 0.00	87.16 3.61 -1.44	99.65 6.35 -9.64	118.49 7.33 -28.80	138.16 12.33 -3.75	176.74 9.12 -79.10	155.04 8.90 -60.60	129.00 8.66 -34.52	110.84 7.89 -20.74	105.77 7.21 -16.60	105.45 6.88 -16.71
EAST_PULASKI___ESR 323781	63.29 -1.42 0.00	61.74 -1.39 0.00	64.15 -1.44 0.00	64.21 -1.38 0.00	64.27 -1.38 0.00	61.31 -1.19 0.00	69.39 -0.56 0.00	81.45 -0.82 0.00	81.37 -0.98 0.00	78.68 -1.36 0.00	80.97 -1.32 -0.10	73.90 -1.35 -0.16	75.40 -1.38 -0.01	76.94 -1.25 0.00	81.03 -1.15 -0.07	83.31 -0.84 -0.49	82.70 -1.15 -1.49	118.63 -1.46 2.00	88.35 -0.71 -0.54	84.71 -0.86 -0.01	86.72 -0.86 -1.76	82.18 -1.07 -1.05	81.40 -1.39 -0.84	81.24 -1.47 -0.85
EAST_RIVER___1 323558	68.88 4.34 0.17	67.27 4.17 0.03	69.50 4.13 0.22	69.51 4.13 0.22	69.51 4.07 0.22	66.88 4.37 0.00	86.85 5.60 -11.30	107.90 7.24 -18.39	101.63 7.99 -11.28	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	85.02 8.13 -0.11	86.33 8.13 0.00	91.70 8.62 -0.98	99.15 8.96 -6.54	126.67 9.06 -35.24	170.08 12.94 -35.06	142.31 9.65 -44.14	130.11 9.41 -35.15	121.71 9.44 -26.45	104.58 8.30 -14.08	101.09 7.87 -11.27	100.49 7.28 -11.34
EAST_RIVER___2 323559	68.82 4.27 0.17	67.20 4.10 0.03	69.44 4.07 0.22	69.44 4.07 0.22	69.38 3.94 0.22	66.88 4.37 0.00	86.78 5.52 -11.30	107.98 7.32 -18.39	101.72 8.08 -11.28	88.21 8.17 0.00	92.23 8.71 -1.34	85.24 7.96 -2.19	85.18 8.29 -0.11	86.48 8.29 0.00	91.87 8.79 -0.98	99.32 9.12 -6.54	126.75 9.14 -35.24	170.08 12.94 -35.06	142.23 9.56 -44.14	130.11 9.41 -35.15	121.63 9.36 -26.45	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.28 -11.34
EAST___DELAWARE_HYD 23607	69.05 4.34 0.00	67.36 4.23 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.92 4.27 0.00	67.13 4.63 0.00	90.44 5.88 -14.61	110.03 7.08 -20.69	101.92 7.25 -12.32	86.84 6.80 0.00	90.48 7.07 -1.22	83.47 6.38 -2.00	83.33 6.45 -0.10	84.69 6.49 0.00	90.14 7.14 -0.89	97.32 7.69 -5.98	119.71 7.83 -29.51	160.48 12.21 -26.19	135.78 9.29 -37.96	123.56 8.55 -29.46	118.31 8.84 -23.65	102.88 7.81 -12.87	99.70 7.46 -10.30	99.18 6.95 -10.36
EIGHT_POINT___WT_PWR 323820	61.22 -3.50 0.00	59.72 -3.41 0.00	61.79 -3.81 0.00	61.92 -3.67 0.00	62.31 -3.35 0.00	60.32 -2.19 0.00	73.08 -0.35 -3.48	85.80 -1.40 -4.93	83.35 -1.98 -2.97	77.56 -2.48 0.00	78.38 -4.11 -0.30	71.04 -4.50 -0.46	72.27 -4.53 -0.03	73.82 -4.38 0.00	76.56 -5.75 -0.21	79.75 -5.27 -1.36	82.08 -4.94 -4.66	116.70 -6.83 -1.45	90.05 -4.69 -6.22	85.38 -4.28 -4.11	85.99 -4.80 -4.97	80.01 -5.34 -3.16	78.58 -5.90 -2.53	78.92 -5.48 -2.54
ELBRIDGE_115KV_TB2 80188	63.87 -0.84 0.00	62.31 -0.82 0.00	64.74 -0.85 0.00	64.74 -0.85 0.00	64.93 -0.72 0.00	62.07 -0.44 0.00	70.37 0.42 0.00	82.68 0.41 0.00	82.60 0.25 0.00	80.12 0.08 0.00	82.20 -0.16 -0.17	75.00 -0.38 -0.28	76.40 -0.38 -0.01	77.96 -0.23 0.00	81.99 -0.25 -0.13	84.58 0.08 -0.84	85.00 0.08 -2.55	122.09 0.00 0.00	90.06 0.35 -1.18	85.91 0.34 -0.02	89.10 0.26 -3.02	84.01 0.00 -1.81	83.07 -0.33 -1.45	83.07 -0.25 -1.46
ELEC_TRO_TEK 24086	83.15 5.50 -12.93	80.49 5.30 -12.05	81.59 5.38 -10.62	81.48 5.25 -10.64	81.75 5.32 -10.78	82.16 5.44 -14.22	107.37 6.72 -30.71	136.40 8.47 -45.66	129.80 9.14 -38.30	97.31 8.96 -8.31	130.47 9.37 -38.91	116.01 8.56 -32.36	116.00 8.83 -30.40	116.11 8.84 -29.08	130.17 9.44 -38.62	144.25 9.87 -50.72	149.83 9.88 -57.58	189.52 14.28 -53.15	193.73 10.62 -94.58	177.20 10.35 -81.30	172.51 10.38 -76.31	137.72 9.29 -46.23	129.03 8.93 -38.15	125.21 8.43 -34.92



ELLENBURG_WT_PWR 323604	63.55 -1.16 0.00	61.74 -1.39 0.00	64.09 -1.51 0.00	63.95 -1.64 0.00	64.02 -1.64 0.00	60.94 -1.56 0.00	66.80 -3.15 0.00	77.91 -4.36 0.00	77.83 -4.53 0.00	75.64 -4.40 0.00	78.49 -3.70 0.00	71.64 -3.45 0.00	73.40 -3.38 0.00	74.68 -3.52 0.00	78.50 -3.61 0.00	79.81 -3.85 0.00	78.83 -3.54 0.00	81.69 -6.22 34.18	81.36 -4.61 2.56	81.19 -4.36 0.00	81.53 -4.29 0.00	78.91 -3.29 0.00	79.16 -2.79 0.00	79.65 -2.21 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	58.44 -6.28 0.00	57.13 -6.00 0.00	58.84 -6.76 0.00	58.97 -6.62 0.00	59.16 -6.50 0.00	57.38 -5.13 0.00	66.17 -3.78 0.00	76.35 -5.92 0.00	76.36 -6.59 -0.60	73.07 -6.96 0.00	73.79 -8.63 -0.23	67.06 -8.33 -0.31	68.42 -8.37 -0.02	69.83 -8.37 0.00	72.72 -9.52 -0.14	75.61 -8.95 -0.90	76.69 -8.81 -3.14	109.38 -13.80 -1.09	83.74 -9.30 -4.51	79.74 -8.90 -3.09	80.12 -9.01 -3.31	75.83 -8.80 -2.43	74.80 -9.10 -1.94	76.04 -7.78 -1.96
EMPIRE_CC_1 323656	67.50 2.78 0.00	65.85 2.71 0.00	68.55 2.95 0.00	68.47 2.88 0.00	68.54 2.89 0.00	65.25 2.75 0.00	111.13 2.94 -38.24	139.87 3.45 -54.15	116.50 3.79 -30.35	84.20 4.16 0.00	87.84 3.94 -1.71	81.50 3.60 -2.80	80.60 3.68 -0.15	81.95 3.75 0.00	87.30 3.94 -1.25	95.96 3.93 -8.37	111.42 3.62 -25.43	129.24 5.13 -2.03	132.09 3.99 -39.58	115.17 3.76 -25.86	119.65 3.77 -30.05	103.73 3.53 -18.00	99.96 3.60 -14.41	99.88 3.52 -14.50
EMPIRE_CC_2 323658	67.50 2.78 0.00	65.85 2.71 0.00	68.55 2.95 0.00	68.47 2.88 0.00	68.54 2.89 0.00	65.25 2.75 0.00	111.13 2.94 -38.24	139.87 3.45 -54.15	116.50 3.79 -30.35	84.20 4.16 0.00	87.84 3.94 -1.71	81.50 3.60 -2.80	80.60 3.68 -0.15	81.95 3.75 0.00	87.30 3.94 -1.25	95.96 3.93 -8.37	111.42 3.62 -25.43	129.24 5.13 -2.03	132.09 3.99 -39.58	115.17 3.76 -25.86	119.65 3.77 -30.05	103.73 3.53 -18.00	99.96 3.60 -14.41	99.88 3.52 -14.50
ENORWICH_115KV_TB1 80156	68.60 3.88 0.00	66.98 3.85 0.00	69.46 3.87 0.00	69.46 3.87 0.00	69.60 3.94 0.00	67.19 4.69 0.00	85.68 6.79 -8.94	103.16 8.23 -12.66	97.56 7.99 -7.21	86.68 6.64 0.00	88.55 5.92 -0.44	80.91 5.11 -0.72	82.41 5.60 -0.04	84.14 5.94 0.00	88.92 6.49 -0.32	93.00 7.19 -2.14	97.02 7.33 -7.33	136.87 12.45 -2.33	109.15 9.21 -11.42	102.22 8.73 -7.95	102.43 8.75 -7.86	94.59 7.73 -4.67	92.57 6.88 -3.74	92.66 7.04 -3.76
ERIE_ST__34_KV_TB1-2 80199	59.67 -5.05 0.00	58.33 -4.80 0.00	60.15 -5.44 0.00	60.21 -5.38 0.00	60.40 -5.25 0.00	58.50 -4.00 0.00	67.57 -2.38 0.00	77.83 -4.44 0.00	77.95 -5.02 -0.62	74.60 -5.44 0.00	73.80 -8.63 -0.24	67.08 -8.33 -0.33	69.88 -6.91 -0.02	71.32 -6.88 0.00	73.06 -9.20 -0.15	75.67 -8.95 -0.96	77.22 -8.48 -3.34	111.99 -11.23 -1.14	84.49 -8.76 -4.73	80.81 -7.96 -3.22	80.42 -8.93 -3.53	75.76 -8.96 -2.52	74.71 -9.26 -2.02	75.87 -8.02 -2.03
ERIE_WT_PWR 323693	58.83 -5.89 0.00	57.51 -5.62 0.00	59.29 -6.30 0.00	59.42 -6.17 0.00	59.55 -6.10 0.00	57.57 -4.94 0.00	66.73 -3.22 0.00	77.00 -5.27 0.00	76.96 -6.01 -0.61	73.63 -6.41 0.00	74.04 -8.38 -0.24	67.23 -8.18 -0.32	68.96 -7.83 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.90 -8.70 -0.94	76.90 -8.73 -3.27	110.39 -12.82 -1.12	84.32 -8.85 -4.65	80.25 -8.47 -3.17	80.52 -8.75 -3.45	76.05 -8.63 -2.48	75.01 -8.93 -1.99	76.25 -7.61 -2.00
ESPRGFLD_115KV_TB1 80157	67.24 2.52 0.00	65.59 2.46 0.00	68.28 2.69 0.00	68.21 2.62 0.00	68.41 2.76 0.00	65.38 2.88 0.00	172.03 4.27 -97.81	226.03 5.27 -138.49	159.68 5.11 -72.22	84.04 4.00 0.00	85.72 3.53 0.00	77.86 2.78 0.00	79.77 2.99 0.00	81.48 3.28 0.00	85.72 3.61 0.00	88.33 4.68 0.01	87.36 5.02 0.03	133.95 8.30 -3.56	143.57 6.20 -48.85	136.61 5.99 -45.07	91.62 5.84 0.04	87.38 5.18 0.00	86.46 4.51 0.00	86.20 4.34 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	65.49 0.78 0.00	63.89 0.76 0.00	66.31 0.72 0.00	66.31 0.72 0.00	66.51 0.85 0.00	63.69 1.19 0.00	76.71 2.45 -4.31	91.25 2.88 -6.10	88.61 2.64 -3.61	82.20 2.16 0.00	84.24 1.73 -0.32	76.89 1.28 -0.52	78.26 1.46 -0.03	79.92 1.72 0.00	84.15 1.81 -0.23	87.48 2.26 -1.56	90.01 2.31 -5.33	127.46 3.78 -1.59	98.68 3.01 -7.14	93.16 2.91 -4.70	94.21 2.66 -5.73	87.82 2.22 -3.40	86.47 1.80 -2.72	86.48 1.88 -2.74
ETNA____115KV_TB2 80207	65.49 0.78 0.00	63.89 0.76 0.00	66.31 0.72 0.00	66.31 0.72 0.00	66.51 0.85 0.00	63.69 1.19 0.00	76.71 2.45 -4.31	91.25 2.88 -6.10	88.61 2.64 -3.61	82.20 2.16 0.00	84.24 1.73 -0.32	76.89 1.28 -0.52	78.26 1.46 -0.03	79.92 1.72 0.00	84.15 1.81 -0.23	87.48 2.26 -1.56	90.01 2.31 -5.33	127.46 3.78 -1.59	98.68 3.01 -7.14	93.16 2.91 -4.70	94.21 2.66 -5.73	87.82 2.22 -3.40	86.47 1.80 -2.72	86.48 1.88 -2.74
EUCLID____115KV_TB2 356179	63.03 -1.68 0.00	61.49 -1.64 0.00	63.89 -1.71 0.00	63.89 -1.71 0.00	64.01 -1.64 0.00	61.19 -1.31 0.00	69.18 -0.77 0.00	81.36 -0.90 0.00	81.29 -1.07 0.00	78.92 -1.12 0.00	81.00 -1.32 -0.13	73.94 -1.35 -0.21	75.32 -1.46 -0.01	76.87 -1.33 0.00	80.89 -1.31 -0.09	83.19 -1.09 -0.62	83.09 -1.15 -1.88	120.26 -1.83 0.00	88.33 -1.06 -0.87	84.54 -1.03 -0.02	87.01 -1.03 -2.22	82.30 -1.23 -1.33	81.54 -1.48 -1.07	81.54 -1.39 -1.07
E_CANADA_CAP_HY 24051	68.27 3.56 0.00	66.41 3.28 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.33 3.67 0.00	66.25 3.75 0.00	202.15 5.31 -126.88	268.26 6.34 -179.66	181.56 5.85 -93.36	84.52 4.48 0.00	87.93 3.70 -2.04	81.22 2.78 -3.35	79.86 2.92 -0.17	81.56 3.36 0.00	87.38 3.78 -1.49	98.93 5.27 -10.00	118.44 5.68 -30.39	136.24 9.64 -4.51	171.54 7.08 -75.93	149.70 6.85 -57.30	128.44 6.70 -35.92	109.90 6.17 -21.53	104.76 5.58 -17.23	104.45 5.24 -17.34
E_CANADA_MHWK_HY 24050	66.01 1.29 0.00	64.39 1.26 0.00	66.90 1.31 0.00	66.90 1.31 0.00	66.97 1.31 0.00	63.88 1.37 0.00	71.77 1.82 0.00	84.40 2.14 0.00	84.58 2.22 0.00	82.12 2.08 0.00	84.24 2.06 0.00	76.97 1.88 0.00	78.76 1.99 0.00	80.23 2.03 0.00	84.24 2.13 0.00	85.83 2.17 0.00	84.43 2.06 0.00	127.06 3.05 -1.91	90.97 2.30 -0.14	87.77 2.22 0.00	88.05 2.23 0.00	84.50 2.30 0.00	84.24 2.29 0.00	84.15 2.29 0.00
E_FISHKILL____LBMP 23776	68.47 3.75 0.00	66.79 3.66 0.00	69.33 3.74 0.00	69.20 3.61 0.00	69.33 3.68 0.00	66.25 3.75 0.00	87.93 4.76 -13.22	107.00 6.01 -18.72	100.43 6.59 -11.49	86.60 6.56 0.00	90.54 6.99 -1.36	83.70 6.38 -2.23	83.49 6.60 -0.12	84.77 6.57 0.00	90.08 6.98 -1.00	97.68 7.36 -6.66	125.82 7.33 -36.12	168.90 10.62 -36.19	141.73 7.97 -45.24	129.35 7.70 -36.10	120.54 7.72 -26.99	103.45 6.90 -14.35	99.91 6.47 -11.48	99.47 6.06 -11.56
FALCON____SEABRD_CC1 323796	64.33 -0.39 0.00	62.44 -0.69 0.00	64.81 -0.78 0.00	64.67 -0.92 0.00	64.74 -0.92 0.00	61.69 -0.81 0.00	67.29 -2.66 0.00	77.91 -4.36 0.00	77.83 -4.53 0.00	75.56 -4.48 0.00	78.98 -3.21 0.00	72.16 -2.93 0.00	73.85 -2.92 0.00	75.15 -3.05 0.00	78.99 -3.12 0.00	80.31 -3.35 0.00	79.32 -3.05 0.00	81.77 -6.22 34.10	81.90 -4.07 2.56	81.62 -3.93 0.00	81.96 -3.86 0.00	79.32 -2.88 0.00	79.57 -2.38 0.00	80.47 -1.39 0.00



FALCON___SEABRD_CC2 323797	64.33 -0.39 0.00	62.44 -0.69 0.00	64.81 -0.78 0.00	64.67 -0.92 0.00	64.74 -0.92 0.00	61.69 -0.81 0.00	67.29 -2.66 0.00	77.91 -4.36 0.00	77.83 -4.53 0.00	75.56 -4.48 0.00	78.98 -3.21 0.00	72.16 -2.93 0.00	73.85 -2.92 0.00	75.15 -3.05 0.00	78.99 -3.12 0.00	80.31 -3.35 0.00	79.32 -3.05 0.00	81.77 -6.22 34.10	81.90 -4.07 2.56	81.62 -3.93 0.00	81.96 -3.86 0.00	79.32 -2.88 0.00	79.57 -2.38 0.00	80.47 -1.39 0.00
FAR ROCKAWAY___4 23548	96.85 6.54 -25.59	93.33 6.31 -23.89	93.95 6.36 -21.99	93.80 6.17 -22.04	93.97 6.30 -22.01	93.80 6.44 -24.86	125.66 7.97 -47.73	168.53 10.04 -76.23	166.57 10.62 -73.59	107.41 10.16 -17.20	181.45 10.52 -88.74	157.07 9.61 -72.37	157.22 9.90 -70.55	155.84 10.01 -67.63	180.97 10.35 -88.52	201.99 10.96 -107.37	180.59 11.04 -87.18	215.33 16.12 -77.12	261.01 12.13 -160.36	239.73 11.72 -142.46	239.88 11.67 -142.39	174.37 10.52 -81.65	159.67 10.00 -67.73	157.40 9.82 -65.71
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.98 7.32 -18.39	101.63 7.99 -11.28	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	85.02 8.14 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.21 13.06 -35.06	142.31 9.65 -44.14	130.20 9.50 -35.15	121.71 9.44 -26.45	104.66 8.38 -14.08	101.17 7.95 -11.27	100.57 7.37 -11.34
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.98 7.32 -18.39	101.63 7.99 -11.28	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	85.02 8.14 -0.11	86.25 8.05 0.00	91.79 8.70 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.21 13.06 -35.06	142.40 9.74 -44.14	130.20 9.50 -35.15	121.80 9.53 -26.45	104.66 8.38 -14.08	101.17 7.95 -11.27	100.57 7.37 -11.34
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	69.05 4.34 0.00	67.30 4.17 0.00	69.72 4.13 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.90 7.24 -18.39	101.63 7.99 -11.28	87.96 7.92 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	84.95 8.06 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.23 9.04 -6.54	126.59 8.98 -35.24	170.09 12.94 -35.06	142.31 9.65 -44.14	130.11 9.41 -35.15	121.63 9.35 -26.45	104.58 8.30 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
FARRAGUT___LBMP 323566	68.99 4.27 0.00	67.30 4.17 0.00	69.72 4.13 0.00	69.53 3.94 0.00	69.66 4.01 0.00	66.82 4.31 0.00	88.47 5.53 -12.99	107.82 7.16 -18.39	101.55 7.91 -11.28	87.88 7.84 0.00	91.99 8.47 -1.34	85.01 7.73 -2.19	84.87 7.98 -0.11	86.17 7.98 0.00	91.62 8.54 -0.98	99.15 8.95 -6.54	126.50 8.90 -35.24	169.97 12.82 -35.06	142.22 9.56 -44.14	130.03 9.32 -35.15	121.63 9.35 -26.45	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.29 -11.34
FENNER___WINDPWR 24204	65.69 0.97 0.00	64.08 0.95 0.00	66.58 0.99 0.00	66.64 1.05 0.00	66.70 1.05 0.00	63.88 1.37 0.00	72.26 2.30 0.00	85.07 2.80 0.00	85.52 2.71 -0.45	82.36 2.32 0.00	84.42 2.06 -0.18	77.11 1.73 -0.29	78.71 1.92 -0.02	80.31 2.11 0.00	84.45 2.22 -0.13	87.02 2.51 -0.86	87.37 2.39 -2.61	126.14 3.91 -0.15	94.78 3.01 -3.24	90.27 2.82 -1.90	91.65 2.75 -3.08	86.44 2.39 -1.86	85.49 2.05 -1.49	85.48 2.12 -1.50
FIBERTEK___ENERGY 23856	64.07 -0.65 0.00	62.50 -0.63 0.00	64.94 -0.66 0.00	64.94 -0.66 0.00	65.07 -0.59 0.00	62.19 -0.31 0.00	70.51 0.56 0.00	82.84 0.58 0.00	82.77 0.41 0.00	80.28 0.24 0.00	82.43 0.08 -0.16	75.20 -0.15 -0.26	76.63 -0.15 -0.01	78.20 0.00 0.00	82.31 0.08 -0.12	84.77 0.33 -0.77	84.97 0.25 -2.35	122.58 0.49 0.00	90.24 0.62 -1.09	86.17 0.60 -0.02	89.12 0.51 -2.78	84.11 0.25 -1.67	83.20 -0.08 -1.33	83.20 0.00 -1.34
FITZPATRICK____ 23598	62.00 -2.72 0.00	60.48 -2.65 0.00	62.84 -2.75 0.00	62.90 -2.69 0.00	62.96 -2.69 0.00	60.07 -2.44 0.00	67.71 -2.24 0.00	79.63 -2.64 0.00	79.56 -2.80 0.00	77.23 -2.80 0.00	79.31 -2.96 -0.08	72.44 -2.78 -0.13	73.86 -2.92 -0.01	75.31 -2.89 0.00	79.21 -2.95 -0.06	81.19 -2.84 -0.38	80.63 -2.89 -1.15	117.70 -4.39 0.00	86.14 -2.92 -0.53	82.65 -2.91 -0.01	84.35 -2.83 -1.36	80.12 -2.88 -0.80	79.64 -2.95 -0.64	79.56 -2.94 -0.65
FLOWRFLD_69_KV_BK1 356044	80.87 7.12 -9.04	78.39 6.88 -8.37	77.90 6.95 -5.36	77.72 6.76 -5.37	78.73 6.96 -6.11	86.49 7.06 -16.92	106.42 8.53 -27.94	126.03 10.78 -32.99	109.60 11.12 -16.12	94.79 10.56 -4.19	99.86 11.01 -6.66	91.47 9.91 -6.47	91.39 10.21 -4.41	92.41 10.09 -4.12	99.51 11.08 -6.32	111.97 11.80 -16.52	132.90 12.11 -38.42	177.30 17.58 -37.63	155.02 13.10 -53.39	140.18 12.92 -41.71	132.14 12.79 -33.54	126.13 11.43 -32.51	119.58 10.90 -26.73	108.09 10.64 -15.59
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	69.37 4.66 0.00	67.68 4.55 0.00	70.18 4.59 0.00	70.05 4.46 0.00	70.19 4.53 0.00	67.19 4.69 0.00	89.67 5.88 -13.84	109.10 7.24 -19.59	101.85 7.58 -11.92	87.40 7.36 0.00	91.25 7.73 -1.34	84.34 7.06 -2.19	84.10 7.22 -0.11	85.47 7.27 0.00	90.89 7.80 -0.98	98.57 8.37 -6.55	125.54 8.40 -34.77	168.64 12.58 -33.98	141.76 9.38 -43.85	129.32 8.98 -34.79	121.23 9.01 -26.39	104.36 8.06 -14.10	100.86 7.62 -11.29	100.42 7.20 -11.36
FORT ORANGE____ 23900	67.56 2.84 0.00	65.91 2.77 0.00	68.55 2.95 0.00	68.55 2.95 0.00	68.61 2.96 0.00	65.32 2.82 0.00	136.34 2.66 -63.73	175.72 3.21 -90.24	134.12 3.30 -48.46	83.40 3.36 0.00	87.22 3.29 -1.74	80.87 2.93 -2.85	79.91 2.99 -0.15	81.33 3.13 0.00	86.42 3.04 -1.27	95.02 2.85 -8.52	110.15 2.47 -25.31	127.00 3.41 -1.50	140.19 2.39 -49.27	122.61 2.56 -34.50	118.71 2.40 -30.49	102.91 2.39 -18.33	99.81 3.19 -14.67	100.55 3.93 -14.76
FORT_DRUM_COGEN 23780	64.71 0.00 0.00	63.07 -0.06 0.00	65.46 -0.13 0.00	65.59 0.00 0.00	65.66 0.00 0.00	63.07 0.56 0.00	71.21 1.26 0.00	84.08 1.81 0.00	83.92 1.56 0.00	80.68 0.64 0.00	82.67 0.41 -0.07	75.43 0.23 -0.12	77.24 0.46 -0.01	78.82 0.63 0.00	83.23 1.07 -0.05	85.59 1.59 -0.35	84.73 1.32 -1.05	118.25 2.81 6.65	90.90 2.39 0.01	87.70 2.14 -0.01	89.29 2.23 -1.24	84.75 1.81 -0.74	83.77 1.23 -0.59	83.61 1.15 -0.60
FOX_HILLS___ESR 323835	112.59 5.11 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.21 4.85 -39.77	110.28 4.92 -39.70	112.42 5.06 -44.85	114.58 6.30 -38.33	149.89 7.98 -59.64	147.94 8.48 -57.10	143.35 8.32 -54.99	135.67 8.88 -44.61	120.19 8.11 -36.99	122.26 8.37 -37.12	130.39 8.37 -43.82	134.51 8.95 -43.45	188.58 9.54 -95.38	219.93 9.39 -128.18	201.30 13.67 -65.54	246.81 10.27 -148.02	234.59 10.01 -139.03	192.52 10.04 -96.66	181.00 8.88 -89.92	138.45 8.36 -48.15	114.55 7.69 -24.99
FPL FAR_ROCK_GT1 24212	96.84 6.53 -25.59	93.33 6.31 -23.89	93.95 6.36 -21.99	93.99 6.36 -22.04	93.97 6.30 -22.01	93.86 6.50 -24.86	125.66 7.97 -47.73	168.53 10.03 -76.23	166.41 10.46 -73.59	107.41 10.17 -17.20	181.45 10.52 -88.74	157.07 9.61 -72.37	157.22 9.91 -70.55	155.85 10.01 -67.63	180.97 10.35 -88.52	201.90 10.87 -107.37	180.42 10.87 -87.18	215.33 16.11 -77.12	261.01 12.13 -160.36	239.73 11.72 -142.46	239.88 11.67 -142.39	174.37 10.52 -81.65	159.67 9.99 -67.73	157.39 9.82 -65.71



FPL FAR_ROCK_GT2 23815	96.84 6.53 -25.59	93.33 6.31 -23.89	93.95 6.36 -21.99	93.99 6.36 -22.04	93.97 6.30 -22.01	93.86 6.50 -24.86	125.66 7.97 -47.73	168.53 10.03 -76.23	166.41 10.46 -73.59	107.41 10.17 -17.20	181.45 10.52 -88.74	157.07 9.61 -72.37	157.22 9.91 -70.55	155.85 10.01 -67.63	180.97 10.35 -88.52	201.90 10.87 -107.37	180.42 10.87 -87.18	215.33 16.11 -77.12	261.01 12.13 -160.36	239.73 11.72 -142.46	239.88 11.67 -142.39	174.37 10.52 -81.65	159.67 9.99 -67.73	157.39 9.82 -65.71
FRANKLIN_FALL_HYD 24054	64.71 0.00 0.00	62.75 -0.38 0.00	65.13 -0.46 0.00	65.20 -0.39 0.00	65.07 -0.59 0.00	62.07 -0.44 0.00	68.20 -1.75 0.00	79.47 -2.80 0.00	79.39 -2.96 0.00	77.00 -3.04 0.00	79.72 -2.47 0.00	72.84 -2.25 0.00	74.62 -2.15 0.00	75.93 -2.27 0.00	79.73 -2.38 0.00	80.98 -2.68 0.00	79.81 -2.55 0.00	85.69 -4.52 31.89	82.51 -3.63 2.39	82.30 -3.25 0.00	82.39 -3.43 0.00	80.23 -1.97 0.00	80.47 -1.48 0.00	80.80 -1.06 0.00
FREEPORT_EQUUS_GT1 23764	84.69 5.95 -14.03	82.00 5.80 -13.06	82.25 5.84 -10.82	82.27 5.84 -10.84	82.65 5.78 -11.21	86.31 6.00 -17.80	109.84 7.34 -32.54	136.85 9.21 -45.37	126.52 9.71 -34.45	98.02 9.52 -8.46	125.18 9.94 -33.05	111.82 9.08 -27.65	111.80 9.36 -25.67	112.20 9.46 -24.54	124.95 10.10 -32.74	139.48 10.63 -45.20	146.68 10.21 -54.10	187.55 15.14 -50.33	187.34 11.33 -87.48	170.61 10.95 -74.10	165.25 10.90 -68.53	138.32 9.78 -46.35	129.88 9.67 -38.26	122.60 9.17 -31.58
FREEPORT___CT2 23818	84.69 5.95 -14.03	82.00 5.80 -13.06	82.25 5.84 -10.82	82.27 5.84 -10.84	82.65 5.78 -11.21	86.31 6.00 -17.80	109.84 7.34 -32.54	136.85 9.21 -45.37	126.52 9.71 -34.45	98.02 9.52 -8.46	125.18 9.94 -33.05	111.82 9.08 -27.65	111.80 9.36 -25.67	112.20 9.46 -24.54	124.95 10.10 -32.74	139.48 10.63 -45.20	146.68 10.21 -54.10	187.55 15.14 -50.33	187.34 11.33 -87.48	170.61 10.95 -74.10	165.25 10.90 -68.53	138.32 9.78 -46.35	129.88 9.67 -38.26	122.60 9.17 -31.58
FRESHKLS_33_KV_LOAD 356253	112.65 5.18 -42.76	112.68 5.05 -44.50	111.82 5.12 -41.12	110.28 4.92 -39.77	110.41 5.06 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	149.89 7.98 -59.64	147.78 8.32 -57.10	143.11 8.08 -54.99	135.43 8.63 -44.61	119.97 7.88 -36.99	122.03 8.14 -37.12	130.15 8.13 -43.82	134.34 8.79 -43.45	188.33 9.29 -95.38	219.77 9.23 -128.18	201.06 13.43 -65.54	246.64 10.09 -148.02	234.51 9.92 -139.03	192.35 9.87 -96.66	180.83 8.71 -89.92	138.21 8.11 -48.15	114.38 7.53 -24.99
FULTON COGEN____ 23766	62.97 -1.75 0.00	61.43 -1.70 0.00	63.82 -1.77 0.00	63.82 -1.77 0.00	63.95 -1.71 0.00	61.07 -1.44 0.00	69.04 -0.91 0.00	81.12 -1.15 0.00	81.04 -1.32 0.00	78.68 -1.36 0.00	80.82 -1.48 -0.11	73.77 -1.50 -0.18	75.17 -1.61 -0.01	76.71 -1.49 0.00	80.71 -1.48 -0.08	82.94 -1.25 -0.53	82.67 -1.32 -1.62	120.13 -1.95 0.00	88.13 -1.15 -0.75	84.45 -1.11 -0.01	86.54 -1.20 -1.92	81.95 -1.40 -1.15	81.31 -1.56 -0.92	81.23 -1.56 -0.93
FULTON___LFGE 323630	69.12 4.40 0.00	67.23 4.10 0.00	69.99 4.40 0.00	69.99 4.40 0.00	70.12 4.47 0.00	67.01 4.50 0.00	214.97 6.08 -138.94	286.24 7.24 -196.73	191.15 6.67 -102.13	85.56 5.52 0.00	88.90 4.77 -1.95	82.19 3.90 -3.20	80.93 3.99 -0.17	82.65 4.46 0.00	88.38 4.84 -1.43	99.40 6.19 -9.55	117.52 6.67 -28.48	136.83 10.99 -3.75	176.67 8.14 -80.01	154.96 7.87 -61.55	127.73 7.73 -34.18	109.82 7.07 -20.55	104.87 6.47 -16.45	104.63 6.22 -16.55
G.F.CEMENT___DRP 24184	69.44 4.72 0.00	67.49 4.36 0.00	70.25 4.66 0.00	70.12 4.53 0.00	70.32 4.66 0.00	67.07 4.56 0.00	216.45 5.88 -140.62	288.46 7.08 -199.11	192.90 7.00 -103.54	86.52 6.48 0.00	90.32 6.33 -1.81	83.69 5.63 -2.97	82.76 5.83 -0.15	84.22 6.02 0.00	89.84 6.40 -1.32	99.46 6.94 -8.86	116.01 7.17 -26.47	137.35 11.23 -4.03	177.22 8.14 -80.55	156.36 7.87 -62.94	125.27 7.72 -31.73	108.16 6.90 -19.05	103.76 6.56 -15.25	103.51 6.30 -15.35
GARDENVILLE___LBMP 24039	58.63 -6.08 0.00	57.32 -5.81 0.00	59.10 -6.49 0.00	59.23 -6.36 0.00	59.35 -6.30 0.00	57.57 -4.94 0.00	66.45 -3.50 0.00	76.76 -5.51 0.00	76.71 -6.26 -0.61	73.47 -6.56 0.00	73.88 -8.55 -0.23	67.15 -8.26 -0.32	68.73 -8.06 -0.02	70.14 -8.05 0.00	72.81 -9.44 -0.14	75.64 -8.95 -0.93	76.88 -8.73 -3.24	110.02 -13.19 -1.11	84.03 -9.12 -4.62	80.06 -8.64 -3.15	80.32 -8.93 -3.42	75.96 -8.71 -2.47	74.83 -9.10 -1.98	76.16 -7.69 -1.99
GARDNVLA_35_KV_LD 355827	58.89 -5.82 0.00	57.58 -5.56 0.00	59.36 -6.23 0.00	59.49 -6.10 0.00	59.62 -6.04 0.00	57.82 -4.69 0.00	66.73 -3.22 0.00	77.00 -5.27 0.00	77.04 -5.93 -0.61	73.79 -6.24 0.00	74.12 -8.30 -0.24	67.38 -8.03 -0.32	69.04 -7.75 -0.02	70.46 -7.74 0.00	73.06 -9.20 -0.15	75.99 -8.62 -0.95	77.25 -8.40 -3.28	110.51 -12.70 -1.12	84.42 -8.76 -4.66	80.42 -8.30 -3.17	80.62 -8.67 -3.47	76.14 -8.55 -2.49	75.17 -8.77 -1.99	76.33 -7.53 -2.00
GELCKHM___115KV_LOAD 80723	63.42 -1.29 0.00	61.87 -1.26 0.00	64.28 -1.31 0.00	64.28 -1.31 0.00	64.41 -1.25 0.00	61.57 -0.94 0.00	69.67 -0.28 0.00	81.94 -0.33 0.00	81.86 -0.49 0.00	79.40 -0.64 0.00	81.59 -0.74 -0.14	74.41 -0.90 -0.23	75.86 -0.92 -0.01	77.42 -0.78 0.00	81.39 -0.82 -0.10	83.75 -0.59 -0.68	83.84 -0.58 -2.05	121.11 -0.98 0.00	89.03 -0.44 -0.95	85.14 -0.43 -0.02	87.73 -0.51 -2.43	82.99 -0.66 -1.45	82.21 -0.90 -1.16	82.13 -0.90 -1.17
GENERAL___MILLS 23808	58.83 -5.89 0.00	57.51 -5.62 0.00	59.29 -6.30 0.00	59.43 -6.17 0.00	59.55 -6.11 0.00	57.75 -4.75 0.00	66.66 -3.29 0.00	76.92 -5.35 0.00	76.96 -6.01 -0.61	73.63 -6.40 0.00	74.04 -8.38 -0.24	67.22 -8.18 -0.32	68.88 -7.91 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.82 -8.78 -0.94	77.07 -8.57 -3.27	110.26 -12.94 -1.12	84.23 -8.94 -4.65	80.25 -8.47 -3.17	80.52 -8.75 -3.45	76.05 -8.63 -2.48	75.01 -8.93 -1.99	76.25 -7.61 -2.00
GE_PLASTICS___DRP 24183	66.98 2.27 0.00	65.41 2.27 0.00	68.08 2.49 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.75 2.25 0.00	123.85 2.59 -51.31	157.96 3.04 -72.65	125.15 3.21 -39.58	83.40 3.36 0.00	87.21 3.29 -1.74	80.95 3.00 -2.85	79.99 3.07 -0.15	81.40 3.21 0.00	86.58 3.20 -1.27	95.19 3.01 -8.52	110.02 2.80 -24.85	126.12 3.91 -0.12	135.17 2.83 -43.81	117.84 2.91 -29.38	119.05 2.83 -30.40	103.32 2.79 -18.33	99.73 3.11 -14.67	99.90 3.27 -14.76
GILBOA___1 23756	66.65 1.94 0.00	65.28 2.15 0.00	68.28 2.69 0.00	68.28 2.69 0.00	68.35 2.69 0.00	64.50 2.00 0.00	80.53 2.59 -7.99	96.71 3.13 -11.31	93.69 3.38 -7.95	83.40 3.36 0.00	87.01 3.45 -1.37	80.42 3.08 -2.25	80.11 3.22 -0.12	81.41 3.21 0.00	86.48 3.37 -1.00	93.88 3.51 -6.71	104.26 3.46 -18.43	123.51 4.76 3.34	112.75 3.80 -20.42	99.17 3.68 -9.95	113.23 3.69 -23.72	100.02 3.37 -14.45	96.80 3.28 -11.57	96.69 3.19 -11.64
GILBOA___2 23757	66.65 1.94 0.00	65.28 2.15 0.00	68.28 2.69 0.00	68.28 2.69 0.00	68.35 2.69 0.00	64.50 2.00 0.00	80.53 2.59 -7.99	96.71 3.13 -11.31	93.69 3.38 -7.95	83.40 3.36 0.00	87.01 3.45 -1.37	80.42 3.08 -2.25	80.11 3.22 -0.12	81.41 3.21 0.00	86.48 3.37 -1.00	93.88 3.51 -6.71	104.26 3.46 -18.43	123.51 4.76 3.34	112.75 3.80 -20.42	99.17 3.68 -9.95	113.23 3.69 -23.72	100.02 3.37 -14.45	96.80 3.28 -11.57	96.69 3.19 -11.64



GILBOA___3 23758	66.65 1.94 0.00	65.28 2.15 0.00	68.28 2.69 0.00	68.28 2.69 0.00	68.35 2.69 0.00	64.50 2.00 0.00	80.53 2.59 -7.99	96.71 3.13 -11.31	93.69 3.38 -7.95	83.40 3.36 0.00	87.01 3.45 -1.37	80.42 3.08 -2.25	80.11 3.22 -0.12	81.41 3.21 0.00	86.48 3.37 -1.00	93.88 3.51 -6.71	104.26 3.46 -18.43	123.51 4.76 3.34	112.75 3.80 -20.42	99.17 3.68 -9.95	113.23 3.69 -23.72	100.02 3.37 -14.45	96.80 3.28 -11.57	96.69 3.19 -11.64
GILBOA___4 23759	66.65 1.94 0.00	65.28 2.15 0.00	68.28 2.69 0.00	68.28 2.69 0.00	68.35 2.69 0.00	64.50 2.00 0.00	80.53 2.59 -7.99	96.71 3.13 -11.31	93.69 3.38 -7.95	83.40 3.36 0.00	87.01 3.45 -1.37	80.42 3.08 -2.25	80.11 3.22 -0.12	81.41 3.21 0.00	86.48 3.37 -1.00	93.88 3.51 -6.71	104.26 3.46 -18.43	123.51 4.76 3.34	112.75 3.80 -20.42	99.17 3.68 -9.95	113.23 3.69 -23.72	100.02 3.37 -14.45	96.80 3.28 -11.57	96.69 3.19 -11.64
GILBOA___ 23599	66.66 1.94 0.00	65.28 2.15 0.00	68.28 2.69 0.00	68.21 2.62 0.00	68.35 2.69 0.00	64.50 2.00 0.00	80.53 2.59 -7.99	96.71 3.13 -11.31	93.69 3.38 -7.95	83.40 3.36 0.00	87.01 3.45 -1.37	80.42 3.08 -2.25	80.11 3.22 -0.12	81.40 3.21 0.00	86.48 3.37 -1.00	93.88 3.51 -6.71	104.34 3.54 -18.43	123.51 4.76 3.34	112.76 3.81 -20.42	99.26 3.76 -9.95	113.23 3.69 -23.72	100.10 3.45 -14.45	96.80 3.28 -11.57	96.69 3.19 -11.64
GINNA___ 23603	58.83 -5.89 0.00	57.33 -5.81 0.00	59.42 -6.17 0.00	59.49 -6.10 0.00	59.68 -5.97 0.00	57.25 -5.25 0.00	65.68 -4.27 0.00	77.00 -5.27 0.00	76.59 -5.77 0.00	73.95 -6.09 0.00	76.11 -6.25 -0.17	69.30 -6.08 -0.29	70.03 -6.76 -0.01	71.63 -6.57 0.00	75.59 -6.65 -0.13	78.42 -6.10 -0.86	78.73 -6.26 -2.63	112.32 -9.77 0.00	83.37 -6.37 -1.22	79.15 -6.42 -0.02	82.83 -6.09 -3.10	77.84 -6.17 -1.81	77.00 -6.39 -1.45	77.26 -6.06 -1.45
GLEN PARK___ 23778	64.97 0.26 0.00	63.39 0.25 0.00	65.79 0.20 0.00	65.92 0.33 0.00	65.99 0.33 0.00	63.44 0.94 0.00	71.77 1.82 0.00	84.66 2.39 0.00	83.84 1.48 0.00	80.52 0.48 0.00	82.59 0.33 -0.07	75.36 0.15 -0.12	77.16 0.39 -0.01	78.75 0.55 0.00	83.15 0.99 -0.05	85.52 1.51 -0.35	84.67 1.24 -1.07	119.82 4.02 6.29	91.73 3.18 -0.02	88.47 2.91 -0.01	90.00 2.92 -1.26	85.42 2.46 -0.76	84.36 1.80 -0.61	84.20 1.72 -0.62
GLENDALE_27_KV_LOAD 356172	71.25 4.98 -1.56	69.25 4.80 -1.32	70.38 4.79 0.00	70.18 4.59 0.00	70.32 4.66 0.00	69.07 4.94 -1.63	89.10 6.16 -12.99	108.64 7.98 -18.39	104.04 8.73 -12.95	96.57 8.72 -7.81	104.01 9.29 -12.53	90.64 8.41 -7.15	90.91 8.75 -5.38	93.19 8.76 -6.24	102.50 9.36 -11.03	112.62 9.79 -19.18	140.53 9.72 -48.45	175.64 10.53 -39.39	146.97 10.27 -47.91	134.74 10.27 -38.93	125.04 9.12 -29.00	108.70 9.12 -17.38	107.08 8.60 -16.52	102.21 8.10 -12.24
GLENWOOD_IC_1_G5 23712	79.39 5.18 -9.50	77.03 5.05 -8.85	78.03 5.12 -7.32	77.85 4.92 -7.34	78.24 4.99 -7.59	79.78 5.19 -12.09	102.72 6.51 -26.26	126.93 7.98 -36.68	117.88 8.57 -26.96	94.49 8.72 -5.72	114.17 9.21 -22.78	102.91 8.41 -19.41	102.84 8.68 -17.39	103.47 8.68 -16.59	113.85 9.28 -22.46	125.89 9.54 -32.70	139.59 9.23 -47.99	180.91 13.43 -45.39	171.99 10.00 -73.46	156.71 9.67 -61.50	150.43 9.70 -54.91	126.79 8.63 -35.96	120.21 8.69 -29.57	115.07 8.19 -25.03
GLENWOOD_IC_2_G1 23688	73.64 4.79 -4.14	71.60 4.61 -3.86	73.55 4.66 -3.30	73.56 4.66 -3.31	73.63 4.59 -3.38	72.21 4.81 -4.89	94.69 6.02 -18.73	116.62 7.56 -26.79	109.70 8.23 -19.10	90.79 8.17 -2.58	103.04 8.71 -12.14	93.84 8.22 -10.87	93.81 8.22 -8.82	94.77 8.21 -8.36	102.61 8.70 -11.80	112.13 9.04 -19.44	133.10 9.06 -41.67	175.55 13.19 -40.27	157.11 9.83 -58.76	143.56 9.58 -48.43	136.14 9.52 -40.80	114.71 8.47 -24.04	109.67 8.11 -19.60	107.64 7.61 -18.17
GLENWOOD_IC_3_G1 23689	73.64 4.79 -4.14	71.60 4.61 -3.86	73.55 4.66 -3.30	73.56 4.66 -3.31	73.63 4.59 -3.38	72.21 4.81 -4.89	94.69 6.02 -18.73	116.62 7.56 -26.79	109.70 8.23 -19.10	90.79 8.17 -2.58	103.04 8.71 -12.14	93.84 8.22 -10.87	93.81 8.22 -8.82	94.77 8.21 -8.36	102.61 8.70 -11.80	112.13 9.04 -19.44	133.10 9.06 -41.67	175.55 13.19 -40.27	157.11 9.83 -58.76	143.56 9.58 -48.43	136.14 9.52 -40.80	114.71 8.47 -24.04	109.67 8.11 -19.60	107.64 7.61 -18.17
GLENWOOD___4 23550	79.39 5.18 -9.50	77.03 5.05 -8.85	78.03 5.12 -7.32	77.85 4.92 -7.34	78.24 4.99 -7.59	79.78 5.19 -12.09	102.72 6.51 -26.26	127.01 8.06 -36.68	117.96 8.65 -26.96	94.49 8.72 -5.72	114.17 9.21 -22.78	102.91 8.41 -19.41	102.84 8.68 -17.39	103.47 8.68 -16.59	113.85 9.28 -22.46	125.98 9.62 -32.70	139.75 9.39 -47.99	181.15 13.67 -45.39	172.17 10.18 -73.46	156.97 9.92 -61.50	150.60 9.87 -54.91	127.03 8.88 -35.96	120.21 8.69 -29.57	115.07 8.19 -25.03
GLENWOOD___5 23614	79.39 5.18 -9.50	77.03 5.05 -8.85	78.03 5.12 -7.32	77.85 4.92 -7.34	78.24 4.99 -7.59	79.78 5.19 -12.09	102.72 6.51 -26.26	127.01 8.06 -36.68	117.96 8.65 -26.96	94.49 8.72 -5.72	114.17 9.21 -22.78	102.91 8.41 -19.41	102.84 8.68 -17.39	103.47 8.68 -16.59	113.85 9.28 -22.46	125.98 9.62 -32.70	139.75 9.39 -47.99	181.15 13.67 -45.39	172.17 10.18 -73.46	156.97 9.92 -61.50	150.60 9.87 -54.91	127.03 8.88 -35.96	120.21 8.69 -29.57	115.07 8.19 -25.03
GLOBAL GREEN_PORT_GT1 23814	81.55 7.83 -9.01	78.93 7.45 -8.35	78.45 7.54 -5.32	78.40 7.47 -5.33	79.22 7.48 -6.08	87.01 7.56 -16.94	107.25 9.38 -27.93	127.28 12.10 -32.91	110.37 12.02 -15.99	95.49 11.29 -4.16	99.75 11.09 -6.47	91.09 9.69 -6.31	91.07 10.05 -4.25	92.18 10.01 -3.97	99.57 11.33 -6.12	112.09 12.13 -16.31	133.11 12.44 -38.31	178.67 19.04 -37.54	155.83 14.16 -53.14	140.71 13.68 -41.48	132.31 13.21 -33.28	126.22 11.59 -32.43	119.51 10.90 -26.66	108.71 11.37 -15.47
GLOBE___DSASP 323697	56.69 -8.02 0.00	55.43 -7.70 0.00	57.13 -8.46 0.00	57.26 -8.33 0.00	57.38 -8.27 0.00	55.63 -6.88 0.00	64.01 -5.95 0.00	73.80 -8.47 0.00	73.69 -9.22 -0.56	70.59 -9.44 0.00	72.05 -10.36 -0.22	65.46 -9.91 -0.28	66.12 -10.67 -0.02	67.56 -10.64 0.00	70.99 -11.25 -0.13	73.69 -10.79 -0.83	74.30 -10.95 -2.88	105.41 -17.70 -1.03	81.05 -11.69 -4.21	76.99 -11.46 -2.90	77.87 -10.99 -3.03	73.89 -10.60 -2.30	73.22 -10.57 -1.84	74.38 -9.33 -1.85
GOETHSLN___LBMP 323567	68.60 3.88 0.00	66.86 3.72 0.00	69.26 3.67 0.00	69.13 3.54 0.00	69.27 3.61 0.00	66.44 3.94 0.00	87.98 5.04 -12.99	107.32 6.66 -18.39	101.05 7.41 -11.28	87.48 7.44 0.00	91.50 7.97 -1.34	84.56 7.28 -2.19	84.49 7.60 -0.11	85.71 7.51 0.00	91.13 8.05 -0.98	98.73 8.53 -6.54	126.09 8.48 -35.24	169.24 12.09 -35.06	141.69 9.03 -44.14	129.52 8.81 -35.15	121.11 8.84 -26.45	104.09 7.81 -14.08	100.60 7.38 -11.27	100.00 6.79 -11.34
GOLAH___69_KV_TB 1_2 80279	60.70 -4.01 0.00	59.22 -3.91 0.00	61.33 -4.26 0.00	61.39 -4.20 0.00	61.59 -4.07 0.00	59.44 -3.06 0.00	67.99 -1.96 0.00	79.31 -2.96 0.00	79.26 -3.54 -0.45	75.96 -4.08 0.00	77.93 -4.44 -0.18	70.88 -4.51 -0.30	71.49 -5.30 -0.02	73.04 -5.16 0.00	76.99 -5.25 -0.13	79.94 -4.60 -0.88	80.44 -4.61 -2.69	114.42 -7.81 -0.15	87.30 -4.51 -3.29	82.84 -4.62 -1.91	84.70 -4.29 -3.17	79.73 -4.36 -1.89	79.03 -4.43 -1.51	79.61 -3.77 -1.52



GOODYEAR_LAKE_HYD 323669	66.98 2.27 0.00	65.47 2.34 0.00	68.15 2.56 0.00	68.08 2.49 0.00	68.28 2.63 0.00	65.13 2.63 0.00	116.49 3.78 -42.76	147.42 4.61 -60.54	119.32 4.78 -32.18	84.20 4.16 0.00	86.57 3.95 -0.44	79.18 3.38 -0.71	80.42 3.61 -0.04	81.95 3.75 0.00	86.45 4.02 -0.32	90.39 4.60 -2.13	94.37 4.69 -7.31	133.13 7.45 -3.59	122.43 5.58 -28.33	114.50 5.39 -23.56	98.96 5.32 -7.82	91.51 4.69 -4.63	89.83 4.18 -3.70	89.60 4.01 -3.73
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	64.52 -0.19 0.00	63.01 -0.13 0.00	65.39 -0.20 0.00	65.33 -0.26 0.00	65.53 -0.13 0.00	62.63 0.13 0.00	77.04 1.19 -5.90	91.70 1.07 -8.36	88.25 0.91 -4.99	80.68 0.64 0.00	82.65 0.00 -0.46	75.60 -0.23 -0.74	76.89 0.08 -0.04	78.43 0.23 0.00	82.44 0.00 -0.33	86.11 0.25 -2.21	90.23 0.33 -7.54	125.23 0.85 -2.29	99.36 0.71 -10.13	93.01 0.77 -6.69	94.41 0.51 -8.08	87.21 0.16 -4.84	85.74 -0.08 -3.88	85.93 0.16 -3.90
GOUDEY___7 23579	64.52 -0.19 0.00	63.01 -0.13 0.00	65.39 -0.20 0.00	65.33 -0.26 0.00	65.53 -0.13 0.00	62.63 0.13 0.00	77.04 1.19 -5.90	91.70 1.07 -8.36	88.25 0.91 -4.99	80.68 0.64 0.00	82.65 0.00 -0.46	75.60 -0.23 -0.74	76.89 0.08 -0.04	78.43 0.23 0.00	82.44 0.00 -0.33	86.11 0.25 -2.21	90.23 0.33 -7.54	125.23 0.85 -2.29	99.36 0.71 -10.13	93.01 0.77 -6.69	94.41 0.51 -8.08	87.21 0.16 -4.84	85.74 -0.08 -3.88	85.93 0.16 -3.90
GOUDEY___8 23580	64.52 -0.19 0.00	63.01 -0.13 0.00	65.39 -0.20 0.00	65.33 -0.26 0.00	65.53 -0.13 0.00	62.63 0.13 0.00	77.04 1.19 -5.90	91.70 1.07 -8.36	88.25 0.91 -4.99	80.68 0.64 0.00	82.65 0.00 -0.46	75.60 -0.23 -0.74	76.89 0.08 -0.04	78.43 0.23 0.00	82.44 0.00 -0.33	86.11 0.25 -2.21	90.23 0.33 -7.54	125.23 0.85 -2.29	99.36 0.71 -10.13	93.01 0.77 -6.69	94.41 0.51 -8.08	87.21 0.16 -4.84	85.74 -0.08 -3.88	85.93 0.16 -3.90
GOWANUS_GT1_1 24077	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT1_2 24078	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT1_3 24079	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT1_4 24080	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT1_5 24084	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT1_6 24111	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT1_7 24112	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT1_8 24113	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT2_1 24114	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT2_2 24115	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT2_3 24116	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99



GOWANUS_GT2_4 24117	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT2_5 24118	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT2_6 24119	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT2_7 24120	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT2_8 24121	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_1 24122	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_2 24123	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_3 24124	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_4 24125	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_5 24126	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_6 24127	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_7 24128	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT3_8 24129	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
GOWANUS_GT4_1 24130	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT4_2 24131	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99



GOWANUS_GT4_3 24132	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT4_4 24133	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT4_5 24134	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT4_6 24135	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT4_7 24136	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GOWANUS_GT4_8 24137	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GREENBSH_115KV_TB3 55895	67.17 2.46 0.00	65.53 2.40 0.00	68.15 2.56 0.00	68.08 2.49 0.00	68.22 2.56 0.00	64.88 2.38 0.00	138.71 2.66 -66.10	179.06 3.21 -93.59	135.91 3.38 -50.17	83.56 3.52 0.00	87.47 3.53 -1.75	81.11 3.15 -2.87	80.22 3.30 -0.15	81.56 3.36 0.00	86.59 3.20 -1.28	95.15 2.93 -8.57	110.03 2.47 -25.20	126.37 3.30 -0.99	140.91 2.39 -50.00	123.00 2.40 -35.06	118.83 2.40 -30.61	103.10 2.47 -18.43	99.90 3.20 -14.75	100.23 3.52 -14.85
GREENIDGE_115KV_TB5 80291	63.10 -1.62 0.00	61.55 -1.58 0.00	63.82 -1.77 0.00	63.82 -1.77 0.00	64.08 -1.58 0.00	61.69 -0.81 0.00	74.16 0.84 -3.37	87.28 0.25 -4.77	85.06 -0.16 -2.87	79.64 -0.40 0.00	81.16 -1.32 -0.29	73.82 -1.73 -0.46	75.03 -1.77 -0.02	76.79 -1.41 0.00	80.59 -1.72 -0.20	83.52 -1.51 -1.36	85.71 -1.32 -4.66	120.43 -3.05 -1.40	93.46 -1.15 -6.08	88.75 -0.77 -3.97	89.36 -1.46 -4.99	84.02 -1.23 -3.05	82.67 -1.72 -2.44	82.93 -1.39 -2.46
GREENIDGE___3 23582	63.10 -1.62 0.00	61.55 -1.58 0.00	63.82 -1.77 0.00	63.82 -1.77 0.00	64.08 -1.58 0.00	61.69 -0.81 0.00	74.16 0.84 -3.37	87.28 0.25 -4.77	85.06 -0.16 -2.87	79.64 -0.40 0.00	81.16 -1.32 -0.29	73.82 -1.73 -0.46	75.03 -1.77 -0.02	76.79 -1.41 0.00	80.59 -1.72 -0.20	83.52 -1.51 -1.36	85.71 -1.32 -4.66	120.43 -3.05 -1.40	93.46 -1.15 -6.08	88.75 -0.77 -3.97	89.36 -1.46 -4.99	84.02 -1.23 -3.05	82.67 -1.72 -2.44	82.93 -1.39 -2.46
GREENIDGE___4 23583	63.10 -1.62 0.00	61.56 -1.58 0.00	63.82 -1.77 0.00	63.89 -1.71 0.00	64.08 -1.58 0.00	61.63 -0.88 0.00	74.16 0.84 -3.37	87.28 0.25 -4.77	85.06 -0.16 -2.87	79.64 -0.40 0.00	81.16 -1.32 -0.29	73.82 -1.72 -0.46	75.03 -1.76 -0.02	76.79 -1.41 0.00	80.58 -1.73 -0.20	83.77 -1.25 -1.36	85.62 -1.40 -4.66	120.44 -3.05 -1.40	93.45 -1.15 -6.08	88.75 -0.77 -3.97	89.36 -1.46 -4.99	83.69 -1.56 -3.05	82.67 -1.72 -2.44	82.93 -1.39 -2.46
GREENLWN_69_KV_BK 3 55738	79.39 5.57 -9.11	76.94 5.37 -8.44	76.50 5.44 -5.47	76.38 5.31 -5.48	77.25 5.38 -6.21	84.85 5.50 -16.84	104.77 6.86 -27.96	123.87 8.39 -33.20	108.21 9.31 -16.55	93.35 9.04 -4.27	98.85 9.37 -7.29	90.62 8.56 -6.97	90.51 8.83 -4.91	91.64 8.84 -4.61	98.50 9.44 -6.95	110.87 10.04 -17.17	130.88 9.72 -38.79	173.70 13.67 -37.94	152.89 10.18 -54.18	137.96 9.92 -42.49	130.40 10.21 -34.37	124.31 9.37 -32.74	117.97 9.10 -26.92	106.34 8.51 -15.96
GREENWD_138_KV_38B11_REV_LBMP_J 345004	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99
GRISSOM___SOLAR 323813	68.98 4.27 0.00	67.11 3.98 0.00	69.85 4.26 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.81 4.31 0.00	216.91 5.80 -141.16	289.05 6.91 -199.87	192.52 6.43 -103.74	85.48 5.45 0.00	88.97 4.85 -1.93	82.24 3.98 -3.17	81.00 4.07 -0.16	82.65 4.46 0.00	88.36 4.84 -1.41	99.15 6.03 -9.46	116.99 6.43 -28.20	136.34 10.50 -3.75	177.16 7.79 -80.84	155.50 7.53 -62.42	127.07 7.38 -33.87	109.31 6.74 -20.37	104.48 6.23 -16.30	104.24 5.97 -16.40
GROVEVILLE___HYD 323602	69.37 4.66 0.00	67.68 4.55 0.00	70.18 4.59 0.00	70.05 4.46 0.00	70.19 4.53 0.00	67.19 4.69 0.00	89.67 5.88 -13.84	109.10 7.24 -19.59	101.85 7.58 -11.92	87.40 7.36 0.00	91.25 7.73 -1.34	84.34 7.06 -2.19	84.10 7.22 -0.11	85.47 7.27 0.00	90.89 7.80 -0.98	98.57 8.37 -6.55	125.54 8.40 -34.77	168.64 12.58 -33.98	141.76 9.38 -43.85	129.32 8.98 -34.79	121.23 9.01 -26.39	104.36 8.06 -14.10	100.86 7.62 -11.29	100.42 7.20 -11.36
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	64.07 -0.65 0.00	62.50 -0.63 0.00	64.94 -0.66 0.00	64.94 -0.66 0.00	65.07 -0.59 0.00	62.19 -0.31 0.00	70.51 0.56 0.00	82.84 0.58 0.00	82.77 0.41 0.00	80.28 0.24 0.00	82.43 0.08 -0.16	75.20 -0.15 -0.26	76.63 -0.15 -0.01	78.20 0.00 0.00	82.31 0.08 -0.12	84.77 0.33 -0.77	84.97 0.25 -2.35	122.58 0.49 0.00	90.24 0.62 -1.09	86.17 0.60 -0.02	89.12 0.51 -2.78	84.11 0.25 -1.67	83.20 -0.08 -1.33	83.20 0.00 -1.34



HAMLTNNY_34_KV_TB 80303	64.26 -0.45 0.00	62.63 -0.51 0.00	65.07 -0.52 0.00	65.07 -0.52 0.00	65.26 -0.39 0.00	62.44 -0.06 0.00	70.86 0.91 0.00	83.34 1.07 0.00	83.18 0.82 0.00	80.68 0.64 0.00	82.77 0.41 -0.17	75.45 0.08 -0.28	76.86 0.08 -0.01	78.51 0.31 0.00	82.56 0.33 -0.13	85.17 0.67 -0.84	85.58 0.66 -2.56	123.06 0.98 0.00	90.68 0.97 -1.18	86.51 0.94 -0.02	89.70 0.86 -3.02	84.59 0.58 -1.81	83.65 0.25 -1.45	83.65 0.33 -1.46
HAMPSHIRE___PAPER_HYD 323593	64.13 -0.58 0.00	62.44 -0.69 0.00	64.81 -0.78 0.00	64.87 -0.72 0.00	64.87 -0.78 0.00	61.94 -0.56 0.00	68.83 -1.12 0.00	80.54 -1.73 0.00	80.47 -1.89 0.00	77.71 -2.32 0.00	79.92 -2.30 -0.04	73.05 -2.10 -0.06	75.01 -1.76 0.00	76.40 -1.80 0.00	80.49 -1.64 -0.03	82.25 -1.59 -0.18	81.02 -1.89 -0.55	100.74 -3.42 17.93	85.22 -2.21 1.09	83.50 -2.05 0.00	84.32 -2.14 -0.65	81.51 -1.07 -0.39	81.28 -0.98 -0.31	81.44 -0.74 -0.31
HARDSCRABBLE_WT_PWR 323673	65.23 0.52 0.00	63.64 0.50 0.00	66.11 0.52 0.00	66.11 0.52 0.00	66.18 0.52 0.00	63.13 0.62 0.00	70.93 0.98 0.00	83.50 1.24 0.00	83.76 1.40 0.00	81.31 1.28 0.00	83.50 1.31 0.00	76.22 1.13 0.00	78.00 1.22 0.00	79.45 1.25 0.00	83.34 1.23 0.00	84.99 1.33 0.00	83.52 1.15 0.00	125.71 1.71 -1.91	90.00 1.33 -0.14	86.83 1.29 0.00	87.19 1.37 0.00	83.51 1.31 0.00	83.34 1.39 0.00	83.25 1.39 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	68.40 3.69 0.00	66.67 3.54 0.00	69.20 3.61 0.00	69.07 3.48 0.00	69.20 3.55 0.00	66.25 3.75 0.00	86.98 4.76 -12.28	105.66 6.01 -17.38	99.45 6.42 -10.66	86.36 6.32 0.00	90.18 6.74 -1.25	83.30 6.16 -2.06	83.25 6.37 -0.11	84.53 6.33 0.00	89.84 6.81 -0.92	97.08 7.28 -6.14	121.99 7.25 -32.37	164.17 10.74 -31.34	137.14 8.06 -40.56	125.31 7.70 -32.07	118.24 7.72 -24.70	102.24 6.82 -13.22	99.01 6.47 -10.58	98.49 5.98 -10.65
HARSNRAD_115KV_TB1 81005	57.34 -7.38 0.00	56.00 -7.13 0.00	57.79 -7.81 0.00	57.92 -7.67 0.00	58.04 -7.62 0.00	56.25 -6.25 0.00	64.91 -5.04 0.00	75.03 -7.24 0.00	74.84 -8.07 -0.55	71.63 -8.40 0.00	72.87 -9.53 -0.21	66.22 -9.16 -0.29	67.04 -9.75 -0.02	68.50 -9.70 0.00	71.81 -10.43 -0.13	74.65 -9.87 -0.87	75.49 -9.88 -3.00	107.10 -15.99 -1.01	82.20 -10.53 -4.21	78.22 -10.18 -2.85	79.04 -9.96 -3.18	74.76 -9.70 -2.26	73.93 -9.83 -1.81	75.09 -8.60 -1.82
HARZA MOOSE___RIVER 24016	65.30 0.58 0.00	63.76 0.63 0.00	66.18 0.59 0.00	66.25 0.66 0.00	66.31 0.66 0.00	63.57 1.06 0.00	71.56 1.61 0.00	84.24 1.97 0.00	84.33 1.98 0.00	81.40 1.36 0.00	83.47 1.23 -0.05	76.14 0.98 -0.08	78.00 1.23 0.00	79.53 1.33 0.00	83.79 1.64 -0.03	85.81 1.92 -0.23	84.88 1.81 -0.70	121.54 3.05 3.60	91.06 2.48 -0.06	87.78 2.22 -0.01	88.97 2.32 -0.83	84.75 2.05 -0.50	84.15 1.80 -0.40	83.98 1.72 -0.40
HDSNBRDG_115KV_BRDG_TB1 355580	63.36 -1.36 0.00	61.81 -1.33 0.00	64.21 -1.38 0.00	64.21 -1.38 0.00	64.41 -1.25 0.00	61.50 -1.00 0.00	69.67 -0.28 0.00	81.94 -0.33 0.00	81.86 -0.49 0.00	79.40 -0.64 0.00	81.59 -0.74 -0.14	74.42 -0.90 -0.23	75.86 -0.92 -0.01	77.42 -0.78 0.00	81.39 -0.82 -0.10	83.76 -0.59 -0.68	83.87 -0.58 -2.08	121.11 -0.98 0.00	89.04 -0.44 -0.96	85.14 -0.43 -0.02	87.76 -0.51 -2.45	82.93 -0.74 -1.47	82.14 -0.98 -1.18	82.14 -0.90 -1.18
HELLGATE_13_KV_LD 55870	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.15 7.49 -18.39	103.54 8.24 -12.95	96.08 8.24 -7.80	103.50 8.79 -12.52	90.27 8.03 -7.14	90.44 8.29 -5.38	92.72 8.29 -6.23	102.00 8.87 -11.02	112.20 9.37 -19.17	140.11 9.31 -48.44	174.90 13.43 -39.39	146.44 10.00 -47.91	134.22 9.75 -38.92	124.52 9.70 -29.00	108.21 8.63 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	70.99 4.72 -1.55	69.00 4.55 -1.32	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	68.82 4.69 -1.63	88.75 5.81 -12.99	108.15 7.49 -18.39	103.54 8.24 -12.95	96.08 8.24 -7.80	103.50 8.79 -12.52	90.27 8.03 -7.14	90.44 8.29 -5.38	92.72 8.29 -6.23	102.00 8.87 -11.02	112.20 9.37 -19.17	140.11 9.31 -48.44	174.90 13.43 -39.39	146.44 10.00 -47.91	134.22 9.75 -38.92	124.52 9.70 -29.00	108.21 8.63 -17.38	106.66 8.19 -16.52	101.80 7.69 -12.24
HEMPSTEAD____ 23647	81.67 5.37 -11.59	79.10 5.18 -10.79	79.65 5.25 -8.81	79.67 5.25 -8.83	80.01 5.19 -9.17	83.03 5.38 -15.15	105.68 6.65 -29.08	130.59 8.40 -39.93	120.28 8.98 -28.94	95.81 8.88 -6.89	116.84 9.28 -25.36	105.05 8.48 -21.48	104.99 8.75 -19.47	105.62 8.83 -18.59	116.51 9.36 -25.05	129.57 9.70 -36.21	141.53 9.63 -49.53	182.87 14.16 -46.63	176.25 10.53 -77.19	160.48 10.26 -64.67	154.36 10.21 -58.34	131.27 9.12 -39.94	123.72 8.85 -32.91	117.14 8.51 -26.76
HEWLETT_69_KV_BK3 55828	96.52 6.21 -25.59	93.08 6.06 -23.89	93.68 6.10 -21.99	93.54 5.90 -22.04	93.70 6.04 -22.01	93.49 6.13 -24.86	125.31 7.62 -47.73	168.04 9.54 -76.23	166.07 10.13 -73.59	107.01 9.76 -17.20	181.03 10.11 -88.74	156.69 9.24 -72.37	156.84 9.52 -70.55	155.45 9.62 -67.63	180.64 10.02 -88.52	201.65 10.62 -107.37	180.26 10.71 -87.18	214.84 15.63 -77.12	260.57 11.69 -160.36	239.31 11.29 -142.46	239.54 11.33 -142.39	174.04 10.19 -81.65	159.35 9.67 -67.73	156.91 9.33 -65.71
HICKLING___1 23621	63.68 -1.04 0.00	62.19 -0.95 0.00	64.41 -1.18 0.00	64.48 -1.12 0.00	64.67 -0.98 0.00	62.19 -0.31 0.00	75.46 1.19 -4.32	89.12 0.74 -6.11	86.46 0.41 -3.69	80.04 0.00 0.00	81.41 -1.15 -0.37	74.17 -1.50 -0.58	75.65 -1.15 -0.03	77.26 -0.94 0.00	80.81 -1.56 -0.26	84.13 -1.25 -1.72	87.28 -0.99 -5.90	122.79 -1.10 -1.80	95.70 -0.62 -7.80	90.24 -0.43 -5.12	91.27 -0.86 -6.31	84.93 -1.15 -3.88	83.50 -1.56 -3.10	84.00 -0.98 -3.12
HICKLING___2 23622	63.68 -1.04 0.00	62.19 -0.95 0.00	64.41 -1.18 0.00	64.48 -1.12 0.00	64.67 -0.98 0.00	62.19 -0.31 0.00	75.46 1.19 -4.32	89.12 0.74 -6.11	86.46 0.41 -3.69	80.04 0.00 0.00	81.41 -1.15 -0.37	74.17 -1.50 -0.58	75.65 -1.15 -0.03	77.26 -0.94 0.00	80.81 -1.56 -0.26	84.13 -1.25 -1.72	87.28 -0.99 -5.90	122.79 -1.10 -1.80	95.70 -0.62 -7.80	90.24 -0.43 -5.12	91.27 -0.86 -6.31	84.93 -1.15 -3.88	83.50 -1.56 -3.10	84.00 -0.98 -3.12
HIGH FALLS___HY 23754	70.22 5.50 0.00	68.44 5.30 0.00	70.97 5.38 0.00	70.77 5.18 0.00	70.97 5.32 0.00	68.19 5.69 0.00	96.94 7.48 -19.51	118.86 8.97 -27.62	107.51 9.14 -16.01	88.52 8.48 0.00	92.48 8.96 -1.34	85.31 8.03 -2.19	85.10 8.21 -0.11	86.33 8.13 0.00	92.20 9.11 -0.98	100.15 9.96 -6.54	123.29 9.80 -31.12	163.37 15.14 -26.14	141.60 11.69 -41.39	128.04 10.61 -31.88	122.64 11.16 -25.66	106.15 9.86 -14.08	102.57 9.34 -11.27	101.96 8.76 -11.34
HIGH_RIVER___SOLAR 323847	67.69 2.98 0.00	65.98 2.84 0.00	68.67 3.08 0.00	68.67 3.08 0.00	68.74 3.09 0.00	65.50 3.00 0.00	222.99 3.91 -149.13	298.11 4.69 -211.15	196.34 4.44 -109.53	83.64 3.61 0.00	87.26 3.20 -1.87	80.78 2.63 -3.07	79.77 2.84 -0.16	81.25 3.05 0.00	86.84 3.37 -1.37	97.08 4.26 -9.16	114.23 4.69 -27.17	133.30 7.45 -3.77	177.85 5.49 -83.83	156.40 5.31 -65.54	123.82 5.24 -32.77	106.68 4.77 -19.71	102.15 4.42 -15.78	101.99 4.25 -15.88



HILLBURN___GT 23639	68.27 3.56 0.00	66.54 3.41 0.00	69.07 3.47 0.00	69.00 3.41 0.00	69.07 3.41 0.00	66.19 3.69 0.00	86.99 4.62 -12.42	105.78 5.93 -17.59	99.65 6.50 -10.79	86.52 6.48 0.00	90.36 6.90 -1.27	83.48 6.31 -2.08	83.40 6.52 -0.11	84.77 6.57 0.00	90.01 6.98 -0.93	97.08 7.20 -6.22	122.68 7.33 -32.98	164.84 10.62 -32.13	137.81 7.97 -41.32	126.05 7.78 -32.72	118.62 7.73 -25.07	102.42 6.82 -13.40	99.07 6.40 -10.73	98.55 5.90 -10.80
HILLSIDE_115KV_TB1 80332	63.29 -1.42 0.00	61.81 -1.33 0.00	64.02 -1.57 0.00	64.02 -1.57 0.00	64.21 -1.44 0.00	61.63 -0.88 0.00	74.78 0.35 -4.48	88.37 -0.25 -6.34	85.69 -0.49 -3.82	79.24 -0.80 0.00	80.68 -1.89 -0.38	73.59 -2.10 -0.60	75.11 -1.69 -0.03	76.71 -1.49 0.00	80.24 -2.13 -0.27	83.52 -1.92 -1.79	86.84 -1.65 -6.12	121.88 -2.08 -1.86	95.20 -1.42 -8.09	89.66 -1.20 -5.31	90.74 -1.63 -6.55	84.32 -1.89 -4.01	82.95 -2.21 -3.21	83.45 -1.64 -3.23
HISHELDN_WT_PWR 323625	58.70 -6.02 0.00	57.39 -5.74 0.00	59.23 -6.36 0.00	59.36 -6.23 0.00	59.48 -6.17 0.00	57.44 -5.06 0.00	66.39 -3.56 0.00	76.92 -5.35 0.00	77.02 -6.01 -0.67	73.71 -6.32 0.00	74.39 -8.05 -0.26	67.57 -7.88 -0.36	68.89 -7.91 -0.02	70.30 -7.90 0.00	73.08 -9.19 -0.16	76.11 -8.61 -1.07	77.57 -8.48 -3.68	110.74 -12.57 -1.22	85.07 -8.59 -5.13	80.71 -8.30 -3.46	81.23 -8.50 -3.91	76.51 -8.39 -2.69	75.50 -8.60 -2.16	76.50 -7.53 -2.17
HOLTSVILLE_IC_1 23690	80.50 6.79 -9.00	78.03 6.57 -8.33	77.59 6.69 -5.30	77.53 6.62 -5.32	78.35 6.63 -6.07	86.07 6.62 -16.95	105.84 7.97 -27.92	125.34 10.20 -32.88	108.58 10.29 -15.92	94.19 10.00 -4.15	99.01 10.44 -6.38	90.79 9.46 -6.24	90.70 9.75 -4.18	91.79 9.69 -3.90	98.66 10.51 -6.04	111.00 11.13 -16.21	131.91 11.29 -38.25	176.31 16.73 -37.50	154.04 12.48 -53.03	139.06 12.14 -41.37	130.90 11.92 -33.16	125.19 10.61 -32.39	118.82 10.24 -26.63	107.35 10.07 -15.42
HOLTSVILLE_IC_10 23699	80.95 7.18 -9.06	78.47 6.94 -8.39	77.99 7.02 -5.38	78.00 7.02 -5.39	78.75 6.96 -6.13	86.44 7.00 -16.93	106.30 8.39 -27.96	126.16 10.86 -33.03	109.41 10.87 -16.18	94.72 10.48 -4.20	99.87 10.93 -6.75	91.54 9.91 -6.54	91.46 10.21 -4.47	92.32 9.93 -4.19	99.35 10.84 -6.41	111.82 11.55 -16.61	132.78 11.94 -38.47	177.46 17.70 -37.68	155.22 13.19 -53.50	140.29 12.92 -41.82	132.09 12.62 -33.65	126.02 11.26 -32.56	119.54 10.82 -26.77	108.14 10.64 -15.64
HOLTSVILLE_IC_2 23691	80.50 6.79 -9.00	78.03 6.57 -8.33	77.59 6.69 -5.30	77.53 6.62 -5.32	78.35 6.63 -6.07	86.07 6.62 -16.95	105.84 7.97 -27.92	125.34 10.20 -32.88	108.58 10.29 -15.92	94.19 10.00 -4.15	99.01 10.44 -6.38	90.79 9.46 -6.24	90.70 9.75 -4.18	91.79 9.69 -3.90	98.66 10.51 -6.04	111.00 11.13 -16.21	131.91 11.29 -38.25	176.31 16.73 -37.50	154.04 12.48 -53.03	139.06 12.14 -41.37	130.90 11.92 -33.16	125.19 10.61 -32.39	118.82 10.24 -26.63	107.35 10.07 -15.42
HOLTSVILLE_IC_3 23692	80.50 6.79 -9.00	78.03 6.57 -8.33	77.59 6.69 -5.30	77.53 6.62 -5.32	78.35 6.63 -6.07	86.07 6.62 -16.95	105.84 7.97 -27.92	125.34 10.20 -32.88	108.58 10.29 -15.92	94.19 10.00 -4.15	99.01 10.44 -6.38	90.79 9.46 -6.24	90.70 9.75 -4.18	91.79 9.69 -3.90	98.66 10.51 -6.04	111.00 11.13 -16.21	131.91 11.29 -38.25	176.31 16.73 -37.50	154.04 12.48 -53.03	139.06 12.14 -41.37	130.90 11.92 -33.16	125.19 10.61 -32.39	118.82 10.24 -26.63	107.35 10.07 -15.42
HOLTSVILLE_IC_4 23693	80.50 6.79 -9.00	78.03 6.57 -8.33	77.59 6.69 -5.30	77.53 6.62 -5.32	78.35 6.63 -6.07	86.07 6.62 -16.95	105.84 7.97 -27.92	125.34 10.20 -32.88	108.58 10.29 -15.92	94.19 10.00 -4.15	99.01 10.44 -6.38	90.79 9.46 -6.24	90.70 9.75 -4.18	91.79 9.69 -3.90	98.66 10.51 -6.04	111.00 11.13 -16.21	131.91 11.29 -38.25	176.31 16.73 -37.50	154.04 12.48 -53.03	139.06 12.14 -41.37	130.90 11.92 -33.16	125.19 10.61 -32.39	118.82 10.24 -26.63	107.35 10.07 -15.42
HOLTSVILLE_IC_5 23694	80.50 6.79 -9.00	78.03 6.57 -8.33	77.59 6.69 -5.30	77.53 6.62 -5.32	78.35 6.63 -6.07	86.07 6.62 -16.95	105.84 7.97 -27.92	125.34 10.20 -32.88	108.58 10.29 -15.92	94.19 10.00 -4.15	99.01 10.44 -6.38	90.79 9.46 -6.24	90.70 9.75 -4.18	91.79 9.69 -3.90	98.66 10.51 -6.04	111.00 11.13 -16.21	131.91 11.29 -38.25	176.31 16.73 -37.50	154.04 12.48 -53.03	139.06 12.14 -41.37	130.90 11.92 -33.16	125.19 10.61 -32.39	118.82 10.24 -26.63	107.35 10.07 -15.42
HOLTSVILLE_IC_6 23695	80.95 7.18 -9.06	78.47 6.94 -8.39	77.99 7.02 -5.38	78.00 7.02 -5.39	78.75 6.96 -6.13	86.44 7.00 -16.93	106.30 8.39 -27.96	126.16 10.86 -33.03	109.41 10.87 -16.18	94.72 10.48 -4.20	99.87 10.93 -6.75	91.54 9.91 -6.54	91.46 10.21 -4.47	92.32 9.93 -4.19	99.35 10.84 -6.41	111.82 11.55 -16.61	132.78 11.94 -38.47	177.46 17.70 -37.68	155.22 13.19 -53.50	140.29 12.92 -41.82	132.09 12.62 -33.65	126.02 11.26 -32.56	119.54 10.82 -26.77	108.14 10.64 -15.64
HOLTSVILLE_IC_7 23696	80.95 7.18 -9.06	78.47 6.94 -8.39	77.99 7.02 -5.38	78.00 7.02 -5.39	78.75 6.96 -6.13	86.44 7.00 -16.93	106.30 8.39 -27.96	126.16 10.86 -33.03	109.41 10.87 -16.18	94.72 10.48 -4.20	99.87 10.93 -6.75	91.54 9.91 -6.54	91.46 10.21 -4.47	92.32 9.93 -4.19	99.35 10.84 -6.41	111.82 11.55 -16.61	132.78 11.94 -38.47	177.46 17.70 -37.68	155.22 13.19 -53.50	140.29 12.92 -41.82	132.09 12.62 -33.65	126.02 11.26 -32.56	119.54 10.82 -26.77	108.14 10.64 -15.64
HOLTSVILLE_IC_8 23697	80.95 7.18 -9.06	78.47 6.94 -8.39	77.99 7.02 -5.38	78.00 7.02 -5.39	78.75 6.96 -6.13	86.44 7.00 -16.93	106.30 8.39 -27.96	126.16 10.86 -33.03	109.41 10.87 -16.18	94.72 10.48 -4.20	99.87 10.93 -6.75	91.54 9.91 -6.54	91.46 10.21 -4.47	92.32 9.93 -4.19	99.35 10.84 -6.41	111.82 11.55 -16.61	132.78 11.94 -38.47	177.46 17.70 -37.68	155.22 13.19 -53.50	140.29 12.92 -41.82	132.09 12.62 -33.65	126.02 11.26 -32.56	119.54 10.82 -26.77	108.14 10.64 -15.64
HOLTSVILLE_IC_9 23698	80.95 7.18 -9.06	78.47 6.94 -8.39	77.99 7.02 -5.38	78.00 7.02 -5.39	78.75 6.96 -6.13	86.44 7.00 -16.93	106.30 8.39 -27.96	126.16 10.86 -33.03	109.41 10.87 -16.18	94.72 10.48 -4.20	99.87 10.93 -6.75	91.54 9.91 -6.54	91.46 10.21 -4.47	92.32 9.93 -4.19	99.35 10.84 -6.41	111.82 11.55 -16.61	132.78 11.94 -38.47	177.46 17.70 -37.68	155.22 13.19 -53.50	140.29 12.92 -41.82	132.09 12.62 -33.65	126.02 11.26 -32.56	119.54 10.82 -26.77	108.14 10.64 -15.64
HOMER_HL_115KV_TB2 355744	60.70 -4.01 0.00	59.41 -3.72 0.00	61.07 -4.53 0.00	61.13 -4.46 0.00	61.39 -4.27 0.00	59.38 -3.13 0.00	68.48 -1.47 0.00	78.57 -3.70 0.00	78.85 -4.20 -0.70	75.48 -4.56 0.00	73.58 -8.88 -0.27	66.98 -8.49 -0.38	70.81 -5.99 -0.02	72.18 -6.02 0.00	73.08 -9.20 -0.17	75.57 -9.20 -1.12	77.90 -8.32 -3.86	113.84 -9.52 -1.27	85.38 -8.50 -5.36	81.89 -7.27 -3.61	80.90 -9.01 -4.09	75.87 -9.12 -2.80	74.52 -9.67 -2.24	76.09 -8.02 -2.26
HOWARD_WT_PWR 323690	61.16 -3.56 0.00	59.66 -3.47 0.00	61.72 -3.87 0.00	61.92 -3.67 0.00	62.24 -3.42 0.00	60.32 -2.19 0.00	73.14 -0.35 -3.54	85.88 -1.40 -5.01	83.40 -1.98 -3.02	77.47 -2.56 0.00	78.30 -4.19 -0.30	70.97 -4.58 -0.47	72.19 -4.60 -0.03	73.74 -4.45 0.00	76.49 -5.83 -0.21	79.69 -5.36 -1.39	82.09 -5.03 -4.75	116.61 -6.95 -1.47	90.08 -4.78 -6.34	85.37 -4.36 -4.18	85.92 -4.98 -5.08	79.98 -5.43 -3.21	78.45 -6.06 -2.57	78.88 -5.57 -2.58



HQ_GEN_CEDARS 23644	64.65 -0.06 0.00	62.88 -0.25 0.00	65.20 -0.39 0.00	65.33 -0.26 0.00	65.20 -0.46 0.00	62.07 -0.44 0.00	68.20 -1.75 0.00	79.72 -2.55 0.00	79.72 -2.64 0.00	77.40 -2.64 0.00	79.81 -2.38 0.00	72.99 -2.10 0.00	74.85 -1.92 0.00	76.09 -2.11 0.00	79.89 -2.22 0.00	81.06 -2.59 0.00	79.73 -2.64 0.00	83.77 -6.23 32.09	82.40 -3.72 2.41	81.87 -3.68 0.00	82.30 -3.52 0.00	80.14 -2.05 0.00	80.31 -1.64 0.00	80.47 -1.39 0.00
HQ_GEN_CEDARS_PROXY 323590	64.65 -0.06 0.00	62.88 -0.25 0.00	65.20 -0.39 0.00	65.20 -0.39 0.00	65.26 -0.39 0.00	62.76 -0.43 -0.69	67.51 -1.75 0.69	79.72 -2.55 0.00	79.72 -2.64 0.00	77.40 -2.64 0.00	79.80 -2.39 0.00	72.99 -2.10 0.00	74.86 -1.92 0.00	76.09 -2.11 0.00	79.90 -2.21 0.00	81.15 -2.51 0.00	79.81 -2.55 0.00	83.77 -6.22 32.09	81.96 -4.16 2.41	81.96 -3.59 0.00	81.96 -3.86 0.00	80.15 -2.05 0.00	80.31 -1.64 0.00	80.47 -1.39 0.00
HQ_GEN_IMPORT 323601	64.52 -0.19 0.00	62.88 -0.25 0.00	65.20 -0.39 0.00	65.20 -0.39 0.00	65.20 -0.46 0.00	65.20 -0.56 -3.26	65.22 -1.47 3.26	80.38 -1.89 0.00	80.38 -1.98 0.00	78.20 -1.84 0.00	80.38 -1.81 0.00	73.59 -1.50 0.00	75.24 -1.53 0.00	76.55 -1.65 0.00	80.38 -1.73 0.00	81.65 -2.01 0.00	80.39 -1.98 0.00	108.62 -2.93 10.53	85.26 -2.48 0.79	83.24 -2.31 0.00	83.51 -2.31 0.00	80.39 -1.81 0.00	80.39 -1.56 0.00	80.39 -1.47 0.00
HQ_GEN_WHEEL 23651	64.52 -0.19 0.00	62.88 -0.25 0.00	65.20 -0.39 0.00	65.20 -0.39 0.00	65.20 -0.46 0.00	65.20 -0.56 -3.26	65.22 -1.47 3.26	80.38 -1.89 0.00	80.38 -1.98 0.00	78.20 -1.84 0.00	80.38 -1.81 0.00	73.59 -1.50 0.00	75.24 -1.53 0.00	76.55 -1.65 0.00	80.38 -1.73 0.00	81.65 -2.01 0.00	80.39 -1.98 0.00	108.62 -2.93 10.53	85.26 -2.48 0.79	83.24 -2.31 0.00	83.51 -2.31 0.00	80.39 -1.81 0.00	80.39 -1.56 0.00	80.39 -1.47 0.00
HUDSON_AVE_GT_3 23810	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.98 7.32 -18.39	101.63 7.99 -11.28	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	85.02 8.14 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.21 13.06 -35.06	142.31 9.65 -44.14	130.20 9.50 -35.15	121.71 9.44 -26.45	104.66 8.38 -14.08	101.17 7.95 -11.27	100.57 7.37 -11.34
HUDSON_AVE_GT_4 23540	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.98 7.32 -18.39	101.63 7.99 -11.28	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	85.02 8.14 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.21 13.06 -35.06	142.31 9.65 -44.14	130.20 9.50 -35.15	121.71 9.44 -26.45	104.66 8.38 -14.08	101.17 7.95 -11.27	100.57 7.37 -11.34
HUDSON_AVE_GT_5 23657	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.98 7.32 -18.39	101.63 7.99 -11.28	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	85.02 8.14 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.21 13.06 -35.06	142.31 9.65 -44.14	130.20 9.50 -35.15	121.71 9.44 -26.45	104.66 8.38 -14.08	101.17 7.95 -11.27	100.57 7.37 -11.34
HUDSON_AVE_10 24168	68.86 4.14 0.00	67.17 4.04 0.00	69.53 3.94 0.00	69.33 3.74 0.00	69.46 3.81 0.00	66.69 4.19 0.00	88.33 5.39 -12.99	107.73 7.08 -18.39	101.38 7.74 -11.28	87.88 7.84 0.00	91.83 8.30 -1.34	84.86 7.58 -2.19	84.79 7.91 -0.11	86.02 7.82 0.00	91.54 8.46 -0.98	99.07 8.87 -6.54	126.50 8.90 -35.24	169.72 12.58 -35.06	142.05 9.38 -44.14	130.03 9.32 -35.15	121.54 9.27 -26.45	104.50 8.22 -14.08	101.01 7.79 -11.27	100.41 7.20 -11.34
HUDSON___115KV_TB 4 355613	68.53 3.82 0.00	66.86 3.72 0.00	69.53 3.94 0.00	69.40 3.80 0.00	69.60 3.94 0.00	66.25 3.75 0.00	127.80 3.92 -53.93	163.16 4.52 -76.37	128.18 4.45 -41.37	84.52 4.48 0.00	87.91 4.03 -1.70	81.48 3.60 -2.79	80.60 3.69 -0.14	82.19 3.99 0.00	87.29 3.94 -1.24	96.00 4.02 -8.32	112.45 4.28 -25.80	132.16 6.47 -3.60	139.12 4.34 -46.25	122.33 4.62 -32.16	119.92 4.12 -29.98	104.04 3.95 -17.90	100.70 4.43 -14.33	101.27 4.99 -14.42
HUNTER MOUNT___DRP 323613	68.92 4.21 0.00	67.24 4.10 0.00	69.92 4.33 0.00	69.79 4.20 0.00	69.99 4.33 0.00	66.69 4.19 0.00	120.70 4.27 -46.48	152.85 4.77 -65.81	122.90 4.61 -35.93	84.76 4.72 0.00	87.86 4.03 -1.64	81.31 3.53 -2.70	80.44 3.53 -0.14	82.34 4.14 0.00	87.17 3.86 -1.20	95.81 4.10 -8.05	113.95 4.94 -26.64	136.82 7.69 -7.04	138.00 4.78 -44.69	122.31 5.39 -31.37	119.70 4.55 -29.33	103.72 4.19 -17.33	100.57 4.75 -13.87	100.89 5.08 -13.96
HUNTINGTON_RES_REC 323705	80.02 6.28 -9.03	77.56 6.06 -8.37	77.12 6.16 -5.36	77.07 6.10 -5.37	77.88 6.11 -6.12	85.64 6.25 -16.89	105.50 7.63 -27.92	124.80 9.54 -32.99	108.57 10.04 -16.17	93.99 9.76 -4.19	99.03 10.11 -6.74	90.77 9.16 -6.53	90.68 9.44 -4.47	91.76 9.38 -4.18	98.68 10.18 -6.40	111.04 10.80 -16.59	131.54 10.70 -38.47	175.39 15.63 -37.67	153.69 11.68 -53.48	138.74 11.38 -41.81	130.96 11.50 -33.64	125.15 10.44 -32.51	118.59 9.91 -26.73	106.99 9.49 -15.63
HUNTLEY___63 23557	58.11 -6.60 0.00	56.82 -6.31 0.00	58.64 -6.95 0.00	58.77 -6.82 0.00	58.83 -6.83 0.00	57.07 -5.44 0.00	65.89 -4.06 0.00	76.10 -6.17 0.00	76.01 -6.92 -0.57	72.75 -7.28 0.00	73.86 -8.55 -0.22	67.05 -8.33 -0.30	68.12 -8.68 -0.02	69.52 -8.68 0.00	72.72 -9.52 -0.14	75.58 -8.95 -0.88	76.44 -8.98 -3.05	108.85 -14.28 -1.05	83.40 -9.47 -4.34	79.36 -9.15 -2.96	80.02 -9.01 -3.22	75.74 -8.80 -2.34	74.81 -9.01 -1.87	75.97 -7.78 -1.88
HUNTLEY___64 23558	58.11 -6.60 0.00	56.82 -6.31 0.00	58.64 -6.95 0.00	58.77 -6.82 0.00	58.83 -6.83 0.00	57.07 -5.44 0.00	65.89 -4.06 0.00	76.10 -6.17 0.00	76.01 -6.92 -0.57	72.75 -7.28 0.00	73.86 -8.55 -0.22	67.05 -8.33 -0.30	68.12 -8.68 -0.02	69.52 -8.68 0.00	72.72 -9.52 -0.14	75.58 -8.95 -0.88	76.44 -8.98 -3.05	108.85 -14.28 -1.05	83.40 -9.47 -4.34	79.36 -9.15 -2.96	80.02 -9.01 -3.22	75.74 -8.80 -2.34	74.81 -9.01 -1.87	75.97 -7.78 -1.88
HUNTLEY___65 23559	58.11 -6.60 0.00	56.82 -6.31 0.00	58.64 -6.95 0.00	58.77 -6.82 0.00	58.83 -6.83 0.00	57.07 -5.44 0.00	65.89 -4.06 0.00	76.10 -6.17 0.00	76.01 -6.92 -0.57	72.75 -7.28 0.00	73.86 -8.55 -0.22	67.05 -8.33 -0.30	68.12 -8.68 -0.02	69.52 -8.68 0.00	72.72 -9.52 -0.14	75.58 -8.95 -0.88	76.44 -8.98 -3.05	108.85 -14.28 -1.05	83.40 -9.47 -4.34	79.36 -9.15 -2.96	80.02 -9.01 -3.22	75.74 -8.80 -2.34	74.81 -9.01 -1.87	75.97 -7.78 -1.88
HUNTLEY___66 23560	58.11 -6.60 0.00	56.82 -6.31 0.00	58.64 -6.95 0.00	58.77 -6.82 0.00	58.83 -6.83 0.00	57.07 -5.44 0.00	65.89 -4.06 0.00	76.10 -6.17 0.00	76.01 -6.92 -0.57	72.75 -7.28 0.00	73.86 -8.55 -0.22	67.05 -8.33 -0.30	68.12 -8.68 -0.02	69.52 -8.68 0.00	72.72 -9.52 -0.14	75.58 -8.95 -0.88	76.44 -8.98 -3.05	108.85 -14.28 -1.05	83.40 -9.47 -4.34	79.36 -9.15 -2.96	80.02 -9.01 -3.22	75.74 -8.80 -2.34	74.81 -9.01 -1.87	75.97 -7.78 -1.88



HUNTLEY___67 23561	57.98 -6.73 0.00	56.69 -6.44 0.00	58.44 -7.15 0.00	58.57 -7.02 0.00	58.70 -6.96 0.00	56.94 -5.56 0.00	65.54 -4.41 0.00	75.69 -6.58 0.00	75.69 -7.25 -0.58	72.43 -7.60 0.00	73.37 -9.04 -0.23	66.68 -8.71 -0.30	67.81 -8.98 -0.02	69.28 -8.91 0.00	72.39 -9.85 -0.14	75.16 -9.37 -0.88	76.10 -9.31 -3.04	108.38 -14.77 -1.07	83.10 -9.83 -4.40	79.08 -9.50 -3.03	79.59 -9.44 -3.21	75.38 -9.21 -2.38	74.52 -9.34 -1.91	75.76 -8.02 -1.92
HUNTLEY___68 23562	57.98 -6.73 0.00	56.69 -6.44 0.00	58.44 -7.15 0.00	58.57 -7.02 0.00	58.70 -6.96 0.00	56.94 -5.56 0.00	65.54 -4.41 0.00	75.69 -6.58 0.00	75.69 -7.25 -0.58	72.43 -7.60 0.00	73.37 -9.04 -0.23	66.68 -8.71 -0.30	67.81 -8.98 -0.02	69.28 -8.91 0.00	72.39 -9.85 -0.14	75.16 -9.37 -0.88	76.10 -9.31 -3.04	108.38 -14.77 -1.07	83.10 -9.83 -4.40	79.08 -9.50 -3.03	79.59 -9.44 -3.21	75.38 -9.21 -2.38	74.52 -9.34 -1.91	75.76 -8.02 -1.92
HYLAND___LFGE 323620	64.00 -0.71 0.00	62.25 -0.88 0.00	64.48 -1.12 0.00	64.67 -0.92 0.00	64.94 -0.72 0.00	62.69 0.19 0.00	72.89 2.94 0.00	81.12 -1.15 0.00	80.62 -2.39 -0.65	76.52 -3.52 0.00	77.67 -4.77 -0.25	70.30 -5.18 -0.39	71.26 -5.53 -0.02	72.96 -5.24 0.00	76.78 -5.50 -0.18	80.47 -4.35 -1.17	82.73 -3.62 -3.99	117.06 -6.22 -1.19	90.18 -3.54 -5.20	86.03 -2.91 -3.39	91.39 1.29 -4.28	85.34 0.50 -2.64	83.98 -0.08 -2.11	84.15 0.16 -2.13
INDECK___CORINTH 23802	69.12 4.40 0.00	67.18 4.04 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.76 4.25 0.00	218.23 5.52 -142.75	291.06 6.66 -202.13	194.01 6.59 -105.06	86.12 6.08 0.00	89.92 5.92 -1.81	83.39 5.33 -2.97	82.38 5.45 -0.15	83.83 5.63 0.00	89.42 5.99 -1.33	99.06 6.53 -8.88	115.60 6.76 -26.48	136.69 10.62 -3.99	177.59 7.70 -81.36	156.65 7.44 -63.66	124.81 7.21 -31.78	107.78 6.49 -19.09	103.38 6.15 -15.28	103.13 5.90 -15.38
INDECK___ILION 23567	65.56 0.84 0.00	63.95 0.82 0.00	66.44 0.85 0.00	66.44 0.85 0.00	66.51 0.85 0.00	63.44 0.94 0.00	71.28 1.33 0.00	83.83 1.56 0.00	84.00 1.65 0.00	81.56 1.52 0.00	83.67 1.48 0.00	76.44 1.35 0.00	78.23 1.46 0.00	79.68 1.49 0.00	83.67 1.56 0.00	85.33 1.67 0.00	83.93 1.56 0.00	126.32 2.32 -1.91	90.44 1.77 -0.14	87.26 1.71 0.00	87.54 1.72 0.00	83.84 1.64 0.00	83.59 1.64 0.00	83.42 1.56 0.00
INDECK___OLEAN 23982	60.70 -4.01 0.00	59.41 -3.72 0.00	61.07 -4.53 0.00	61.20 -4.39 0.00	61.39 -4.27 0.00	59.32 -3.19 0.00	68.48 -1.47 0.00	78.65 -3.62 0.00	78.86 -4.20 -0.70	75.48 -4.56 0.00	73.58 -8.88 -0.27	66.90 -8.56 -0.38	70.81 -5.99 -0.02	72.18 -6.02 0.00	73.08 -9.19 -0.17	75.49 -9.29 -1.12	77.99 -8.24 -3.86	113.96 -9.40 -1.27	85.38 -8.50 -5.36	81.80 -7.36 -3.61	80.81 -9.10 -4.09	75.79 -9.20 -2.80	74.52 -9.67 -2.24	76.10 -8.02 -2.26
INDECK___OSWEGO 23783	62.39 -2.33 0.00	60.86 -2.27 0.00	63.23 -2.36 0.00	63.23 -2.36 0.00	63.36 -2.30 0.00	60.44 -2.06 0.00	68.21 -1.75 0.00	79.63 -2.64 0.00	79.56 -2.80 0.00	77.08 -2.96 0.00	79.34 -2.96 -0.10	72.40 -2.85 -0.17	73.78 -3.00 -0.01	75.23 -2.97 0.00	79.23 -2.95 -0.07	81.31 -2.84 -0.50	81.00 -2.89 -1.52	116.95 -4.28 0.86	86.33 -2.84 -0.64	82.74 -2.82 -0.01	84.78 -2.83 -1.79	80.39 -2.88 -1.07	79.70 -3.11 -0.86	79.62 -3.11 -0.87
INDECK___YERKES 23781	58.18 -6.53 0.00	56.88 -6.25 0.00	58.71 -6.89 0.00	58.84 -6.75 0.00	58.90 -6.76 0.00	56.94 -5.56 0.00	66.04 -3.92 0.00	76.18 -6.09 0.00	76.09 -6.83 -0.57	72.83 -7.20 0.00	73.95 -8.46 -0.22	67.13 -8.26 -0.30	68.19 -8.60 -0.02	69.60 -8.60 0.00	72.80 -9.44 -0.14	75.75 -8.78 -0.88	76.27 -9.15 -3.05	108.97 -14.16 -1.05	83.57 -9.29 -4.34	79.44 -9.07 -2.96	80.03 -9.01 -3.22	75.74 -8.79 -2.34	74.89 -8.93 -1.87	76.05 -7.70 -1.88
INDIAN POINT_GT_1 24139	68.47 3.75 0.00	66.73 3.60 0.00	69.26 3.67 0.00	69.13 3.54 0.00	69.27 3.61 0.00	66.25 3.75 0.00	87.62 4.83 -12.84	106.70 6.25 -18.18	100.26 6.75 -11.15	86.76 6.72 0.00	90.74 7.23 -1.32	83.86 6.61 -2.16	83.72 6.83 -0.11	85.00 6.80 0.00	90.38 7.31 -0.96	97.81 7.70 -6.46	124.69 7.66 -34.66	167.51 11.11 -34.32	140.26 8.32 -43.42	128.21 8.13 -34.53	119.99 8.07 -26.10	103.26 7.15 -13.91	99.80 6.72 -11.13	99.28 6.22 -11.20
INDIAN POINT_GT_2 23659	68.47 3.75 0.00	66.73 3.60 0.00	69.26 3.67 0.00	69.13 3.54 0.00	69.27 3.61 0.00	66.25 3.75 0.00	87.62 4.83 -12.84	106.70 6.25 -18.18	100.26 6.75 -11.15	86.76 6.72 0.00	90.74 7.23 -1.32	83.86 6.61 -2.16	83.72 6.83 -0.11	85.00 6.80 0.00	90.38 7.31 -0.96	97.81 7.70 -6.46	124.69 7.66 -34.66	167.51 11.11 -34.32	140.26 8.32 -43.42	128.21 8.13 -34.53	119.99 8.07 -26.10	103.26 7.15 -13.91	99.80 6.72 -11.13	99.28 6.22 -11.20
INDIAN POINT_GT_3 24019	68.47 3.75 0.00	66.73 3.60 0.00	69.26 3.67 0.00	69.13 3.54 0.00	69.27 3.61 0.00	66.25 3.75 0.00	87.62 4.83 -12.84	106.70 6.25 -18.18	100.26 6.75 -11.15	86.76 6.72 0.00	90.74 7.23 -1.32	83.86 6.61 -2.16	83.72 6.83 -0.11	85.00 6.80 0.00	90.38 7.31 -0.96	97.81 7.70 -6.46	124.69 7.66 -34.66	167.51 11.11 -34.32	140.26 8.32 -43.42	128.21 8.13 -34.53	119.99 8.07 -26.10	103.26 7.15 -13.91	99.80 6.72 -11.13	99.28 6.22 -11.20
INDIAN POINT___2 23530	68.40 3.69 0.00	66.67 3.53 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.13 3.48 0.00	66.25 3.75 0.00	87.40 4.76 -12.69	106.33 6.09 -17.97	100.06 6.67 -11.03	86.68 6.64 0.00	90.56 7.07 -1.30	83.68 6.46 -2.14	83.64 6.76 -0.11	84.92 6.73 0.00	90.20 7.14 -0.95	97.48 7.44 -6.38	123.97 7.49 -34.11	166.55 10.86 -33.60	139.38 8.14 -42.72	127.35 7.87 -33.93	119.47 7.89 -25.76	102.92 6.98 -13.74	99.51 6.56 -11.00	98.98 6.06 -11.07
INDIAN POINT___3 23531	68.40 3.69 0.00	66.67 3.54 0.00	69.20 3.61 0.00	69.07 3.48 0.00	69.20 3.55 0.00	66.19 3.69 0.00	87.58 4.76 -12.87	106.58 6.09 -18.23	100.21 6.67 -11.19	86.68 6.64 0.00	90.66 7.15 -1.32	83.79 6.53 -2.17	83.64 6.76 -0.11	84.92 6.73 0.00	90.22 7.14 -0.97	97.67 7.53 -6.48	124.67 7.50 -34.80	167.45 10.87 -34.50	140.26 8.14 -43.59	128.19 7.96 -34.68	119.90 7.90 -26.19	103.13 6.99 -13.95	99.67 6.56 -11.17	99.15 6.06 -11.24
INGHAM_C_115KV_TB7 356103	66.01 1.29 0.00	64.39 1.26 0.00	66.90 1.31 0.00	66.90 1.31 0.00	66.97 1.31 0.00	63.88 1.38 0.00	71.77 1.82 0.00	84.41 2.14 0.00	84.58 2.22 0.00	82.12 2.08 0.00	84.24 2.05 0.00	76.97 1.88 0.00	78.77 2.00 0.00	80.23 2.03 0.00	84.24 2.13 0.00	85.83 2.18 0.00	84.43 2.06 0.00	127.05 3.05 -1.91	90.97 2.30 -0.14	87.77 2.22 0.00	88.05 2.23 0.00	84.50 2.30 0.00	84.24 2.29 0.00	84.15 2.29 0.00
IP CORINTH___1 23988	69.12 4.40 0.00	67.17 4.04 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.75 4.25 0.00	218.23 5.53 -142.75	291.06 6.66 -202.13	194.00 6.59 -105.06	86.12 6.08 0.00	89.92 5.92 -1.81	83.39 5.33 -2.97	82.38 5.45 -0.15	83.83 5.63 0.00	89.43 5.99 -1.33	99.06 6.53 -8.88	115.60 6.75 -26.48	136.70 10.62 -3.99	177.59 7.70 -81.36	156.65 7.44 -63.66	124.81 7.21 -31.78	107.78 6.49 -19.09	103.38 6.15 -15.28	103.13 5.89 -15.38



IP__TICONDEROGA 23804	71.38 6.67 0.00	69.19 6.06 0.00	71.95 6.36 0.00	71.89 6.30 0.00	72.09 6.43 0.00	68.88 6.38 0.00	219.76 8.39 -141.41	292.53 10.04 -200.23	196.26 9.80 -104.10	89.08 9.04 0.00	92.71 8.71 -1.81	85.87 7.81 -2.97	84.83 7.91 -0.15	86.41 8.21 0.00	92.14 8.70 -1.32	102.14 9.62 -8.87	118.89 10.05 -26.47	142.21 16.12 -4.01	180.88 11.51 -80.85	159.79 11.04 -63.20	128.29 10.73 -31.74	110.80 9.54 -19.07	106.14 8.93 -15.26	105.90 8.68 -15.36
ISLIP_RES_REC 323679	81.25 7.44 -9.10	78.76 7.19 -8.43	78.30 7.28 -5.43	78.31 7.28 -5.44	79.12 7.29 -6.18	86.68 7.25 -16.93	106.75 8.81 -27.99	126.76 11.36 -33.14	110.08 11.37 -16.35	95.25 10.97 -4.24	100.54 11.35 -7.00	92.04 10.21 -6.74	92.05 10.60 -4.68	92.90 10.32 -4.38	100.10 11.33 -6.66	112.59 12.05 -16.88	133.43 12.44 -38.62	178.43 18.55 -37.80	156.16 13.80 -53.83	141.19 13.51 -42.13	133.02 13.21 -33.99	126.63 11.75 -32.68	120.05 11.23 -26.87	108.70 11.05 -15.79
JAMAICA__27_KV_LOAD 355505	68.99 4.27 0.00	67.36 4.23 0.00	69.59 4.00 0.00	69.33 3.74 0.00	69.53 3.87 0.00	66.94 4.44 0.00	88.61 5.67 -12.99	108.15 7.49 -18.39	101.80 8.15 -11.28	88.28 8.24 0.00	92.15 8.63 -1.34	85.16 7.88 -2.19	85.02 8.14 -0.11	86.33 8.13 0.00	91.87 8.79 -0.98	99.48 9.29 -6.54	126.92 9.31 -35.24	170.21 13.06 -35.06	142.49 9.83 -44.14	130.54 9.84 -35.15	122.14 9.87 -26.45	104.91 8.63 -14.08	101.66 8.44 -11.27	101.06 7.86 -11.34
JANIS__SOLAR 323808	67.11 2.40 0.00	65.53 2.40 0.00	67.95 2.36 0.00	68.02 2.43 0.00	68.15 2.49 0.00	65.57 3.06 0.00	81.70 4.89 -6.86	97.82 5.84 -9.71	93.38 5.43 -5.59	84.44 4.40 0.00	86.36 3.78 -0.39	78.80 3.08 -0.63	80.18 3.37 -0.03	81.95 3.75 0.00	86.49 4.10 -0.28	90.39 4.85 -1.88	93.82 5.03 -6.43	132.62 8.54 -1.99	104.48 6.46 -9.49	98.20 6.16 -6.49	98.64 5.92 -6.90	91.48 5.18 -4.10	89.73 4.50 -3.28	89.83 4.66 -3.30
JARVIS____ 23743	65.04 0.33 0.00	63.45 0.32 0.00	65.99 0.40 0.00	65.99 0.40 0.00	66.05 0.40 0.00	62.95 0.44 0.00	70.58 0.63 0.00	83.09 0.82 0.00	83.18 0.82 0.00	80.84 0.80 0.00	82.93 0.74 0.00	75.76 0.67 0.00	77.54 0.77 0.00	78.98 0.78 0.00	82.93 0.82 0.00	84.58 0.92 0.00	83.19 0.82 0.00	125.22 1.22 -1.91	89.64 0.98 -0.14	86.49 0.94 0.00	86.77 0.95 0.00	83.02 0.82 0.00	82.77 0.82 0.00	82.60 0.74 0.00
JENNISON__1 23625	67.37 2.65 0.00	65.78 2.65 0.00	68.28 2.69 0.00	68.28 2.69 0.00	68.41 2.76 0.00	65.75 3.25 0.00	85.86 4.90 -11.02	103.79 5.92 -15.60	97.03 5.85 -8.82	84.92 4.88 0.00	87.04 4.36 -0.50	79.57 3.68 -0.81	80.96 4.15 -0.04	82.58 4.38 0.00	87.07 4.60 -0.36	91.25 5.19 -2.40	95.86 5.27 -8.22	133.54 8.79 -2.66	108.40 6.55 -13.33	101.19 6.25 -9.40	100.81 6.18 -8.81	92.86 5.43 -5.24	90.89 4.75 -4.19	90.99 4.91 -4.22
JENNISON__2 23626	67.37 2.65 0.00	65.78 2.65 0.00	68.28 2.69 0.00	68.28 2.69 0.00	68.41 2.76 0.00	65.75 3.25 0.00	85.86 4.90 -11.02	103.79 5.92 -15.60	97.03 5.85 -8.82	84.92 4.88 0.00	87.04 4.36 -0.50	79.57 3.68 -0.81	80.96 4.15 -0.04	82.58 4.38 0.00	87.07 4.60 -0.36	91.25 5.19 -2.40	95.86 5.27 -8.22	133.54 8.79 -2.66	108.40 6.55 -13.33	101.19 6.25 -9.40	100.81 6.18 -8.81	92.86 5.43 -5.24	90.89 4.75 -4.19	90.99 4.91 -4.22
JERICHO_RISE_WT_PWR 323719	63.55 -1.16 0.00	61.74 -1.39 0.00	64.09 -1.51 0.00	64.02 -1.57 0.00	64.02 -1.64 0.00	60.94 -1.56 0.00	66.73 -3.22 0.00	77.99 -4.28 0.00	77.99 -4.37 0.00	75.71 -4.32 0.00	78.49 -3.70 0.00	71.71 -3.38 0.00	73.40 -3.38 0.00	74.68 -3.52 0.00	78.50 -3.61 0.00	79.81 -3.85 0.00	78.75 -3.62 0.00	82.50 -6.10 33.49	81.32 -4.69 2.51	81.19 -4.36 0.00	81.45 -4.37 0.00	78.83 -3.37 0.00	79.08 -2.87 0.00	79.41 -2.45 0.00
KATONAH__115KV_46KV_TB4 355592	69.18 4.47 0.00	67.43 4.29 0.00	69.92 4.33 0.00	69.79 4.20 0.00	69.86 4.20 0.00	66.88 4.38 0.00	88.72 5.53 -13.24	108.25 7.24 -18.75	101.51 7.66 -11.49	87.56 7.52 0.00	91.60 8.05 -1.35	84.59 7.28 -2.22	84.41 7.52 -0.12	85.71 7.51 0.00	91.14 8.05 -0.99	98.73 8.45 -6.63	126.72 8.57 -35.78	170.13 12.33 -35.71	142.76 9.38 -44.85	130.37 9.07 -35.75	121.64 9.01 -26.81	104.52 8.06 -14.26	100.91 7.54 -11.42	100.39 7.04 -11.49
KCE_NY_1 323755	68.79 4.08 0.00	66.98 3.85 0.00	69.66 4.07 0.00	69.66 4.07 0.00	69.73 4.07 0.00	66.44 3.94 0.00	214.44 4.97 -139.52	285.66 5.84 -197.55	190.96 5.85 -102.75	85.64 5.60 0.00	89.42 5.42 -1.81	82.93 4.88 -2.96	81.91 4.99 -0.15	83.36 5.16 0.00	88.93 5.50 -1.32	98.45 5.94 -8.85	114.85 6.01 -26.47	135.41 9.27 -4.05	175.47 6.82 -80.13	154.70 6.59 -62.56	123.96 6.44 -31.70	107.16 5.92 -19.04	102.84 5.65 -15.24	102.68 5.49 -15.33
KCE_NY_6_ESR 323823	58.83 -5.89 0.00	57.51 -5.62 0.00	59.29 -6.30 0.00	59.42 -6.17 0.00	59.55 -6.10 0.00	57.57 -4.94 0.00	66.73 -3.22 0.00	77.00 -5.27 0.00	76.96 -6.01 -0.61	73.63 -6.41 0.00	74.04 -8.38 -0.24	67.23 -8.18 -0.32	68.96 -7.83 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.90 -8.70 -0.94	76.90 -8.73 -3.27	110.39 -12.82 -1.12	84.32 -8.85 -4.65	80.25 -8.47 -3.17	80.52 -8.75 -3.45	76.05 -8.63 -2.48	75.01 -8.93 -1.99	76.25 -7.61 -2.00
KEDC_PORT_JEFF_GT2 24210	80.86 7.12 -9.03	78.38 6.88 -8.37	77.89 6.95 -5.35	77.90 6.95 -5.36	78.66 6.89 -6.11	86.37 6.94 -16.93	106.28 8.39 -27.94	125.93 10.69 -32.97	109.31 10.87 -16.09	94.70 10.48 -4.18	99.65 10.85 -6.61	91.35 9.83 -6.43	91.27 10.13 -4.36	92.29 10.01 -4.08	99.38 11.01 -6.27	111.74 11.62 -16.46	132.62 11.86 -38.39	176.92 17.22 -37.61	154.68 12.83 -53.32	140.03 12.83 -41.65	131.91 12.62 -33.47	125.95 11.26 -32.49	119.48 10.82 -26.71	107.98 10.56 -15.56
KEDC_PORT_JEFF_GT3 24211	80.86 7.12 -9.03	78.38 6.88 -8.37	77.89 6.95 -5.35	77.90 6.95 -5.36	78.66 6.89 -6.11	86.37 6.94 -16.93	106.28 8.39 -27.94	125.93 10.69 -32.97	109.31 10.87 -16.09	94.70 10.48 -4.18	99.65 10.85 -6.61	91.35 9.83 -6.43	91.27 10.13 -4.36	92.29 10.01 -4.08	99.38 11.01 -6.27	111.74 11.62 -16.46	132.62 11.86 -38.39	176.92 17.22 -37.61	154.68 12.83 -53.32	140.03 12.83 -41.65	131.91 12.62 -33.47	125.95 11.26 -32.49	119.48 10.82 -26.71	107.98 10.56 -15.56
KEDC_GLWD_GT4 24219	79.40 5.18 -9.50	77.03 5.05 -8.85	78.03 5.12 -7.32	77.98 5.05 -7.34	78.23 4.99 -7.59	79.85 5.25 -12.09	102.72 6.51 -26.26	126.93 7.98 -36.68	118.13 8.82 -26.96	94.49 8.73 -5.72	114.17 9.20 -22.78	102.91 8.41 -19.41	102.84 8.67 -17.39	103.55 8.76 -16.59	113.84 9.28 -22.46	125.48 9.12 -32.70	139.50 9.14 -47.99	180.91 13.43 -45.39	171.99 10.00 -73.46	156.71 9.66 -61.50	150.43 9.69 -54.91	126.79 8.63 -35.96	120.20 8.68 -29.57	115.07 8.19 -25.03
KEDC_GLWD_GT5 24220	79.40 5.18 -9.50	77.03 5.05 -8.85	78.03 5.12 -7.32	77.98 5.05 -7.34	78.23 4.99 -7.59	79.85 5.25 -12.09	102.72 6.51 -26.26	126.93 7.98 -36.68	118.13 8.82 -26.96	94.49 8.73 -5.72	114.17 9.20 -22.78	102.91 8.41 -19.41	102.84 8.67 -17.39	103.55 8.76 -16.59	113.84 9.28 -22.46	125.48 9.12 -32.70	139.50 9.14 -47.99	180.91 13.43 -45.39	171.99 10.00 -73.46	156.71 9.66 -61.50	150.43 9.69 -54.91	126.79 8.63 -35.96	120.20 8.68 -29.57	115.07 8.19 -25.03



KENSICO____ 23655	68.79 4.08 0.00	67.05 3.91 0.00	69.53 3.94 0.00	69.40 3.80 0.00	69.53 3.87 0.00	66.57 4.06 0.00	88.09 5.18 -12.96	107.29 6.66 -18.36	100.87 7.25 -11.26	87.24 7.20 0.00	91.25 7.73 -1.33	84.33 7.06 -2.19	84.18 7.29 -0.11	85.47 7.27 0.00	90.88 7.80 -0.97	98.38 8.20 -6.53	125.67 8.15 -35.15	168.88 11.84 -34.95	141.40 8.85 -44.03	129.16 8.55 -35.06	120.80 8.58 -26.40	103.81 7.56 -14.05	100.33 7.13 -11.25	99.81 6.63 -11.32
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	69.89 5.18 0.00	68.18 5.05 0.00	70.71 5.12 0.00	70.51 4.92 0.00	70.71 5.06 0.00	67.88 5.38 0.00	93.60 6.93 -16.72	114.26 8.31 -23.68	104.77 8.48 -13.93	87.96 7.92 0.00	91.77 8.30 -1.28	84.62 7.43 -2.10	84.48 7.60 -0.11	85.78 7.59 0.00	91.50 8.46 -0.94	99.13 9.20 -6.27	122.16 9.14 -30.65	163.05 14.16 -26.80	139.29 10.80 -39.96	126.44 9.92 -30.96	120.88 10.30 -24.77	104.83 9.12 -13.51	101.45 8.69 -10.81	100.93 8.19 -10.88
KIAC_JFK_GT1 23816	68.34 3.62 0.00	66.92 3.79 0.00	68.94 3.35 0.00	68.74 3.15 0.00	68.87 3.22 0.00	66.57 4.06 0.00	87.84 4.90 -12.99	107.24 6.58 -18.39	100.97 7.33 -11.28	87.40 7.36 0.00	91.58 8.05 -1.34	84.64 7.36 -2.19	84.49 7.60 -0.11	85.78 7.59 0.00	91.30 8.21 -0.98	98.90 8.70 -6.54	126.34 8.73 -35.24	168.87 11.72 -35.06	141.52 8.85 -44.14	129.94 9.24 -35.15	121.54 9.27 -26.45	104.33 8.06 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
KIAC_JFK_GT2 23817	68.34 3.62 0.00	66.92 3.79 0.00	68.94 3.35 0.00	68.74 3.15 0.00	68.87 3.22 0.00	66.57 4.06 0.00	87.84 4.90 -12.99	107.24 6.58 -18.39	100.97 7.33 -11.28	87.40 7.36 0.00	91.58 8.05 -1.34	84.64 7.36 -2.19	84.49 7.60 -0.11	85.78 7.59 0.00	91.30 8.21 -0.98	98.90 8.70 -6.54	126.34 8.73 -35.24	168.87 11.72 -35.06	141.52 8.85 -44.14	129.94 9.24 -35.15	121.54 9.27 -26.45	104.33 8.06 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
KIAC_JFK____ 323774	68.34 3.62 0.00	66.92 3.79 0.00	68.93 3.34 0.00	68.87 3.28 0.00	68.87 3.22 0.00	66.63 4.12 0.00	87.83 4.89 -12.99	107.24 6.58 -18.39	100.97 7.33 -11.28	87.40 7.36 0.00	91.58 8.06 -1.34	84.64 7.36 -2.19	84.49 7.60 -0.11	85.87 7.67 0.00	91.29 8.21 -0.98	98.74 8.54 -6.54	126.43 8.82 -35.24	168.87 11.72 -35.06	141.52 8.85 -44.14	129.95 9.24 -35.15	121.55 9.27 -26.45	104.25 7.97 -14.08	101.09 7.87 -11.27	100.49 7.28 -11.34
KINTIGH____ 23543	58.50 -6.21 0.00	57.13 -6.00 0.00	59.03 -6.56 0.00	59.10 -6.49 0.00	59.29 -6.37 0.00	57.25 -5.25 0.00	65.68 -4.27 0.00	76.26 -6.01 0.00	76.18 -6.67 -0.50	73.07 -6.96 0.00	75.15 -7.23 -0.20	68.46 -6.98 -0.36	68.73 -8.06 -0.02	70.22 -7.98 0.00	74.22 -8.05 -0.16	77.37 -7.36 -1.08	78.06 -7.58 -3.27	109.19 -13.06 -0.17	84.26 -8.06 -3.79	79.63 -8.04 -2.12	82.22 -7.47 -3.87	76.95 -7.32 -2.07	76.23 -7.38 -1.65	77.14 -6.39 -1.66
KNTFSRNC_46_KV_46KV_LOAD 80397	64.52 -0.19 0.00	62.63 -0.51 0.00	65.00 -0.59 0.00	65.00 -0.59 0.00	64.93 -0.72 0.00	61.94 -0.56 0.00	67.85 -2.10 0.00	78.73 -3.54 0.00	78.65 -3.71 0.00	76.36 -3.68 0.00	79.56 -2.63 0.00	72.61 -2.48 0.00	74.31 -2.46 0.00	75.62 -2.58 0.00	79.48 -2.63 0.00	80.73 -2.93 0.00	79.73 -2.64 0.00	83.08 -5.01 34.00	81.82 -4.16 2.55	82.21 -3.34 0.00	81.87 -3.95 0.00	79.82 -2.38 0.00	80.06 -1.88 0.00	80.80 -1.06 0.00
LACHUTE__HYDRO 323717	71.38 6.67 0.00	69.19 6.06 0.00	71.95 6.36 0.00	71.89 6.30 0.00	72.09 6.44 0.00	68.88 6.38 0.00	219.75 8.39 -141.41	292.53 10.03 -200.23	196.25 9.80 -104.10	89.08 9.04 0.00	92.71 8.71 -1.81	85.87 7.81 -2.97	84.84 7.91 -0.15	86.41 8.21 0.00	92.13 8.70 -1.32	102.14 9.62 -8.87	118.89 10.05 -26.47	142.21 16.11 -4.01	180.88 11.50 -80.85	159.79 11.04 -63.20	128.29 10.73 -31.74	110.80 9.53 -19.07	106.15 8.93 -15.26	105.89 8.67 -15.36
LAWRNCV_115KV_TB1 80681	64.39 -0.32 0.00	62.56 -0.57 0.00	64.94 -0.66 0.00	65.07 -0.52 0.00	64.93 -0.72 0.00	61.69 -0.81 0.00	67.64 -2.31 0.00	78.65 -3.62 0.00	78.57 -3.79 0.00	76.20 -3.84 0.00	78.57 -3.62 0.00	71.94 -3.15 0.00	74.01 -2.76 0.00	75.23 -2.97 0.00	79.07 -3.04 0.00	80.23 -3.43 0.00	78.66 -3.71 0.00	86.34 -7.45 28.30	81.71 -4.69 2.12	80.93 -4.62 0.00	81.36 -4.46 0.00	79.57 -2.63 0.00	79.98 -1.97 0.00	80.22 -1.64 0.00
LEDERLE____ 23769	68.40 3.69 0.00	66.67 3.54 0.00	69.20 3.61 0.00	69.00 3.41 0.00	69.14 3.48 0.00	66.25 3.75 0.00	87.31 4.83 -12.53	106.18 6.17 -17.75	99.92 6.67 -10.89	86.68 6.64 0.00	90.54 7.07 -1.28	83.73 6.53 -2.11	83.56 6.68 -0.11	84.92 6.73 0.00	90.19 7.14 -0.94	97.48 7.53 -6.29	123.32 7.50 -33.46	165.83 10.99 -32.76	138.67 8.23 -41.91	126.74 7.96 -33.23	119.16 7.98 -25.36	102.73 6.99 -13.55	99.35 6.56 -10.84	98.83 6.06 -10.91
LIGHTHSE_115KV_TB6 355974	63.49 -1.23 0.00	61.93 -1.20 0.00	64.34 -1.25 0.00	64.34 -1.25 0.00	64.47 -1.18 0.00	61.57 -0.94 0.00	69.60 -0.35 0.00	81.86 -0.41 0.00	81.78 -0.58 0.00	79.08 -0.96 0.00	81.38 -0.90 -0.10	74.20 -1.05 -0.16	75.78 -1.00 -0.01	77.34 -0.86 0.00	81.44 -0.74 -0.07	83.73 -0.42 -0.49	83.19 -0.66 -1.48	118.93 -0.73 2.43	88.76 -0.27 -0.50	85.22 -0.34 -0.01	87.22 -0.34 -1.75	82.59 -0.66 -1.05	81.80 -0.98 -0.84	81.64 -1.06 -0.84
LINDEN COGEN____ 23786	68.60 3.88 0.00	66.86 3.72 0.00	69.26 3.67 0.00	69.26 3.67 0.00	69.20 3.54 0.00	66.51 4.00 0.00	87.98 5.04 -12.99	107.24 6.58 -18.39	100.97 7.33 -11.28	87.40 7.36 0.00	91.49 7.97 -1.34	84.56 7.28 -2.19	84.41 7.53 -0.11	85.71 7.51 0.00	91.14 8.05 -0.98	98.48 8.28 -6.54	126.09 8.49 -35.24	169.12 11.97 -35.06	141.60 8.94 -44.14	129.52 8.81 -35.15	121.03 8.76 -26.45	104.00 7.72 -14.08	100.51 7.29 -11.27	99.99 6.79 -11.34
LINDHRST_69_KV_BK1 356055	81.68 6.80 -10.17	79.13 6.57 -9.44	78.92 6.62 -6.70	78.74 6.43 -6.72	79.63 6.63 -7.34	85.93 6.69 -16.74	106.59 8.25 -28.39	127.84 10.45 -35.12	113.11 10.87 -19.89	95.76 10.48 -5.24	105.18 10.85 -12.14	95.79 9.84 -10.87	95.73 10.13 -8.82	96.73 10.17 -8.36	104.92 11.00 -11.81	117.61 11.63 -22.32	135.74 11.70 -41.68	179.45 17.09 -40.27	161.66 12.75 -60.38	146.31 12.32 -48.44	138.90 12.27 -40.80	128.03 11.01 -34.82	121.25 10.65 -28.65	110.88 10.15 -18.87
LIPA_MISC_IPP 23656	80.78 7.05 -9.01	78.29 6.82 -8.34	77.79 6.89 -5.32	77.61 6.69 -5.33	78.63 6.89 -6.08	86.45 7.00 -16.94	106.27 8.39 -27.92	125.87 10.69 -32.90	109.20 10.87 -15.97	94.52 10.32 -4.16	99.32 10.68 -6.44	90.99 9.61 -6.29	90.90 9.90 -4.23	91.92 9.77 -3.95	99.05 10.84 -6.10	111.40 11.46 -16.28	132.52 11.86 -38.29	177.20 17.58 -37.53	154.74 13.10 -53.11	139.74 12.75 -41.44	131.59 12.53 -33.24	125.79 11.18 -32.42	119.18 10.57 -26.65	107.80 10.48 -15.46
LISF__SOLAR 323691	80.98 7.25 -9.02	78.49 7.01 -8.35	77.94 7.02 -5.33	77.95 7.02 -5.34	78.78 7.03 -6.09	86.44 7.00 -16.94	106.34 8.46 -27.93	126.06 10.86 -32.93	109.33 10.95 -16.01	94.60 10.40 -4.17	99.55 10.85 -6.51	91.19 9.76 -6.34	91.11 10.05 -4.28	92.13 9.93 -4.00	99.28 11.01 -6.17	111.64 11.62 -16.35	132.64 11.94 -38.33	177.60 17.95 -37.56	155.09 13.37 -53.19	140.07 13.00 -41.53	131.85 12.70 -33.33	125.91 11.26 -32.45	119.45 10.82 -26.68	108.08 10.72 -15.50



LITTLE FALLS___HYD 24013	66.01 1.29 0.00	64.39 1.26 0.00	66.90 1.31 0.00	66.90 1.31 0.00	66.97 1.31 0.00	63.88 1.38 0.00	71.77 1.82 0.00	84.41 2.14 0.00	84.58 2.22 0.00	82.12 2.08 0.00	84.24 2.05 0.00	76.97 1.88 0.00	78.77 2.00 0.00	80.23 2.03 0.00	84.24 2.13 0.00	85.83 2.18 0.00	84.43 2.06 0.00	127.05 3.05 -1.91	90.97 2.30 -0.14	87.77 2.22 0.00	88.05 2.23 0.00	84.50 2.30 0.00	84.24 2.29 0.00	84.15 2.29 0.00
LITTLRIV_115KV_TB1 356100	65.10 0.39 0.00	63.26 0.13 0.00	65.59 0.00 0.00	65.79 0.20 0.00	65.66 0.00 0.00	62.57 0.06 0.00	68.55 -1.40 0.00	79.80 -2.47 0.00	79.80 -2.55 0.00	77.24 -2.80 0.00	79.56 -2.63 0.00	72.76 -2.33 0.00	74.85 -1.92 0.00	76.17 -2.03 0.00	80.06 -2.05 0.00	81.32 -2.34 0.00	79.73 -2.64 0.00	88.91 -5.49 27.68	83.09 -3.36 2.08	82.21 -3.34 0.00	82.64 -3.18 0.00	80.72 -1.48 0.00	81.05 -0.90 0.00	81.37 -0.49 0.00
LI_NEWBRDGE___DRP 323616	78.57 5.44 -8.42	76.23 5.30 -7.79	75.58 5.38 -4.61	75.46 5.25 -4.62	76.41 5.32 -5.44	84.99 5.44 -17.05	104.17 6.72 -27.50	122.14 8.47 -31.40	104.92 9.06 -13.50	92.53 8.88 -3.61	94.27 9.21 -2.87	86.92 8.41 -3.42	86.80 8.68 -1.35	88.07 8.68 -1.19	93.91 9.28 -2.52	105.82 9.70 -12.46	128.26 9.72 -36.17	171.94 14.04 -35.81	147.50 10.45 -48.53	132.79 10.18 -37.06	124.54 10.21 -28.51	122.17 9.21 -30.77	116.08 8.85 -25.28	103.52 8.35 -13.31
LOCKPORT_115KV_TB60_63_64 80432	57.47 -7.25 0.00	56.12 -7.01 0.00	57.92 -7.67 0.00	58.05 -7.54 0.00	58.17 -7.48 0.00	56.44 -6.06 0.00	65.12 -4.83 0.00	75.28 -6.99 0.00	75.16 -7.74 -0.55	71.87 -8.16 0.00	73.11 -9.29 -0.21	66.45 -8.94 -0.29	67.27 -9.52 -0.02	68.74 -9.46 0.00	72.06 -10.18 -0.13	74.91 -9.62 -0.87	75.73 -9.64 -3.00	107.46 -15.63 -1.00	82.53 -10.18 -4.19	78.46 -9.92 -2.83	79.30 -9.70 -3.18	74.99 -9.45 -2.24	74.16 -9.59 -1.80	75.24 -8.43 -1.81
LOCKPORT___CC1 323769	57.34 -7.38 0.00	56.00 -7.13 0.00	57.78 -7.81 0.00	57.92 -7.67 0.00	58.04 -7.62 0.00	56.07 -6.44 0.00	64.99 -4.96 0.00	75.03 -7.24 0.00	74.84 -8.07 -0.55	71.63 -8.40 0.00	72.87 -9.53 -0.21	66.07 -9.31 -0.29	67.04 -9.75 -0.02	68.50 -9.70 0.00	71.81 -10.43 -0.13	74.74 -9.79 -0.87	75.15 -10.22 -3.00	107.11 -15.99 -1.01	82.29 -10.45 -4.21	78.22 -10.18 -2.85	79.05 -9.95 -3.18	74.68 -9.78 -2.26	73.92 -9.84 -1.81	75.09 -8.59 -1.82
LOCKPORT___CC2 323770	57.34 -7.38 0.00	56.00 -7.13 0.00	57.78 -7.81 0.00	57.92 -7.67 0.00	58.04 -7.62 0.00	56.07 -6.44 0.00	64.99 -4.96 0.00	75.03 -7.24 0.00	74.84 -8.07 -0.55	71.63 -8.40 0.00	72.87 -9.53 -0.21	66.07 -9.31 -0.29	67.04 -9.75 -0.02	68.50 -9.70 0.00	71.81 -10.43 -0.13	74.74 -9.79 -0.87	75.15 -10.22 -3.00	107.11 -15.99 -1.01	82.29 -10.45 -4.21	78.22 -10.18 -2.85	79.05 -9.95 -3.18	74.68 -9.78 -2.26	73.92 -9.84 -1.81	75.09 -8.59 -1.82
LOCKPORT___CC3 323771	57.34 -7.38 0.00	56.00 -7.13 0.00	57.78 -7.81 0.00	57.92 -7.67 0.00	58.04 -7.62 0.00	56.07 -6.44 0.00	64.99 -4.96 0.00	75.03 -7.24 0.00	74.84 -8.07 -0.55	71.63 -8.40 0.00	72.87 -9.53 -0.21	66.07 -9.31 -0.29	67.04 -9.75 -0.02	68.50 -9.70 0.00	71.81 -10.43 -0.13	74.74 -9.79 -0.87	75.15 -10.22 -3.00	107.11 -15.99 -1.01	82.29 -10.45 -4.21	78.22 -10.18 -2.85	79.05 -9.95 -3.18	74.68 -9.78 -2.26	73.92 -9.84 -1.81	75.09 -8.59 -1.82
LONG_LAKE_PHOENIX 24014	62.97 -1.75 0.00	61.43 -1.70 0.00	63.82 -1.77 0.00	63.82 -1.77 0.00	63.95 -1.71 0.00	61.07 -1.44 0.00	69.04 -0.91 0.00	81.12 -1.15 0.00	81.04 -1.32 0.00	78.68 -1.36 0.00	80.82 -1.48 -0.11	73.77 -1.50 -0.18	75.17 -1.61 -0.01	76.71 -1.49 0.00	80.71 -1.48 -0.08	82.94 -1.25 -0.53	82.67 -1.32 -1.62	120.13 -1.95 0.00	88.13 -1.15 -0.75	84.45 -1.11 -0.01	86.54 -1.20 -1.92	81.95 -1.40 -1.15	81.31 -1.56 -0.92	81.23 -1.56 -0.93
LOVETT___3 23632	68.08 3.37 0.00	66.35 3.22 0.00	68.87 3.28 0.00	68.67 3.08 0.00	68.87 3.22 0.00	65.88 3.38 0.00	86.93 4.41 -12.57	105.75 5.68 -17.80	99.54 6.26 -10.93	86.28 6.24 0.00	90.22 6.74 -1.29	83.36 6.16 -2.11	83.25 6.37 -0.11	84.53 6.33 0.00	89.78 6.73 -0.94	97.08 7.11 -6.32	123.08 7.08 -33.63	165.32 10.26 -32.98	138.35 7.70 -42.13	126.41 7.44 -33.42	118.75 7.47 -25.47	102.37 6.58 -13.60	98.98 6.15 -10.88	98.46 5.65 -10.95
LOVETT___4 23642	68.08 3.37 0.00	66.35 3.22 0.00	68.87 3.28 0.00	68.67 3.08 0.00	68.87 3.22 0.00	65.88 3.38 0.00	86.93 4.41 -12.57	105.75 5.68 -17.80	99.54 6.26 -10.93	86.28 6.24 0.00	90.22 6.74 -1.29	83.36 6.16 -2.11	83.25 6.37 -0.11	84.53 6.33 0.00	89.78 6.73 -0.94	97.08 7.11 -6.32	123.08 7.08 -33.63	165.32 10.26 -32.98	138.35 7.70 -42.13	126.41 7.44 -33.42	118.75 7.47 -25.47	102.37 6.58 -13.60	98.98 6.15 -10.88	98.46 5.65 -10.95
LOVETT___5 23593	68.08 3.37 0.00	66.35 3.22 0.00	68.87 3.28 0.00	68.67 3.08 0.00	68.87 3.22 0.00	65.88 3.38 0.00	86.93 4.41 -12.57	105.75 5.68 -17.80	99.54 6.26 -10.93	86.28 6.24 0.00	90.22 6.74 -1.29	83.36 6.16 -2.11	83.25 6.37 -0.11	84.53 6.33 0.00	89.78 6.73 -0.94	97.08 7.11 -6.32	123.08 7.08 -33.63	165.32 10.26 -32.98	138.35 7.70 -42.13	126.41 7.44 -33.42	118.75 7.47 -25.47	102.37 6.58 -13.60	98.98 6.15 -10.88	98.46 5.65 -10.95
LOWER RAQUET___HYD 24057	64.33 -0.39 0.00	62.50 -0.63 0.00	64.81 -0.78 0.00	64.81 -0.78 0.00	64.87 -0.78 0.00	61.63 -0.88 0.00	67.44 -2.52 0.00	78.32 -3.95 0.00	78.24 -4.12 0.00	75.87 -4.17 0.00	78.24 -3.94 0.00	71.64 -3.45 0.00	73.70 -3.07 0.00	74.99 -3.21 0.00	78.82 -3.29 0.00	80.06 -3.59 0.00	78.42 -3.95 0.00	87.18 -7.82 27.10	81.09 -5.40 2.03	80.68 -4.87 0.00	80.76 -5.06 0.00	79.40 -2.80 0.00	79.90 -2.05 0.00	80.22 -1.64 0.00
LOWER___HUDSON 24059	68.14 3.43 0.00	66.48 3.34 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.20 3.54 0.00	65.88 3.37 0.00	191.09 4.06 -117.08	252.90 4.85 -165.78	174.11 5.02 -86.73	85.00 4.96 0.00	88.89 4.93 -1.78	82.43 4.43 -2.91	81.53 4.61 -0.15	82.81 4.61 0.00	88.33 4.93 -1.30	97.46 5.10 -8.70	113.83 5.03 -26.44	133.86 7.45 -4.32	165.60 5.58 -71.50	145.81 5.39 -54.87	122.39 5.32 -31.24	105.84 4.93 -18.71	101.76 4.83 -14.98	101.52 4.58 -15.07
LOWVILLE_115KV_TB2 356335	64.78 0.06 0.00	63.20 0.06 0.00	65.59 0.00 0.00	65.66 0.07 0.00	65.72 0.07 0.00	63.00 0.50 0.00	70.86 0.91 0.00	83.42 1.15 0.00	83.43 1.07 0.00	80.44 0.40 0.00	82.40 0.16 -0.05	75.25 0.08 -0.08	77.08 0.31 0.00	78.59 0.39 0.00	82.88 0.74 -0.04	84.91 1.00 -0.24	84.02 0.91 -0.74	117.39 1.83 6.53	89.97 1.59 0.15	87.01 1.45 -0.01	88.16 1.46 -0.88	84.12 1.40 -0.53	83.44 1.07 -0.42	83.27 0.98 -0.42
LUTHERFT_115KV_GLOB_FND_222 355753	68.73 4.01 0.00	66.92 3.79 0.00	69.66 4.07 0.00	69.53 3.94 0.00	69.73 4.07 0.00	66.38 3.88 0.00	214.37 4.90 -139.52	285.66 5.84 -197.55	190.96 5.85 -102.75	85.56 5.52 0.00	89.34 5.34 -1.81	82.86 4.81 -2.96	81.92 4.99 -0.15	83.36 5.16 0.00	88.85 5.42 -1.32	98.36 5.86 -8.85	114.85 6.01 -26.47	135.29 9.16 -4.05	175.38 6.73 -80.13	154.61 6.50 -62.56	123.96 6.44 -31.70	107.07 5.84 -19.04	102.76 5.57 -15.24	102.60 5.40 -15.33



LUTHERNY_35_KV_BK2 355980	68.79 4.08 0.00	66.98 3.85 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.44 3.94 0.00	214.44 4.97 -139.52	285.66 5.84 -197.55	190.96 5.85 -102.75	85.64 5.60 0.00	89.42 5.42 -1.81	82.93 4.88 -2.96	81.99 5.07 -0.15	83.36 5.16 0.00	88.93 5.50 -1.32	98.45 5.94 -8.85	114.93 6.10 -26.47	135.41 9.28 -4.05	175.47 6.82 -80.13	154.70 6.59 -62.56	123.96 6.44 -31.70	107.15 5.92 -19.04	102.84 5.65 -15.24	102.68 5.48 -15.33
LWR___OSWEGATCHIE_HYD 23850	64.13 -0.58 0.00	62.44 -0.69 0.00	64.80 -0.79 0.00	64.94 -0.66 0.00	64.87 -0.79 0.00	61.94 -0.56 0.00	68.83 -1.12 0.00	80.54 -1.73 0.00	80.46 -1.89 0.00	77.72 -2.32 0.00	79.92 -2.30 -0.04	73.05 -2.10 -0.06	75.01 -1.77 0.00	76.40 -1.80 0.00	80.49 -1.64 -0.03	82.16 -1.67 -0.18	81.02 -1.89 -0.55	100.74 -3.42 17.93	85.40 -2.04 1.09	83.50 -2.05 0.00	84.49 -1.97 -0.65	81.52 -1.07 -0.39	81.36 -0.90 -0.31	81.44 -0.74 -0.31
LYONS_FALL_HYD 23570	65.30 0.58 0.00	63.76 0.63 0.00	66.18 0.59 0.00	66.25 0.66 0.00	66.31 0.66 0.00	63.57 1.06 0.00	71.56 1.61 0.00	84.24 1.97 0.00	84.33 1.97 0.00	81.40 1.36 0.00	83.47 1.23 -0.05	76.14 0.97 -0.08	78.00 1.22 0.00	79.53 1.33 0.00	83.78 1.64 -0.03	85.82 1.93 -0.23	84.88 1.81 -0.70	121.54 3.05 3.60	90.97 2.39 -0.06	87.78 2.22 -0.01	88.97 2.32 -0.83	84.75 2.06 -0.50	84.15 1.80 -0.40	83.99 1.72 -0.40
MADISON___COUNTY_LFGE 323628	66.20 1.49 0.00	64.65 1.52 0.00	67.17 1.57 0.00	67.17 1.57 0.00	67.30 1.64 0.00	64.50 2.00 0.00	72.96 3.01 0.00	85.89 3.62 0.00	85.98 3.62 0.00	83.16 3.12 0.00	85.15 2.88 -0.09	77.71 2.48 -0.14	79.47 2.69 -0.01	81.09 2.89 0.00	85.37 3.20 -0.06	87.51 3.43 -0.42	86.93 3.29 -1.27	127.34 5.25 0.00	93.01 3.90 -0.59	89.24 3.68 -0.01	91.10 3.78 -1.50	86.39 3.29 -0.90	85.62 2.95 -0.72	85.53 2.95 -0.73
MALONE___115KV_TB1 356076	64.71 0.00 0.00	62.75 -0.38 0.00	65.13 -0.46 0.00	65.20 -0.39 0.00	65.07 -0.59 0.00	62.07 -0.44 0.00	68.20 -1.75 0.00	79.47 -2.80 0.00	79.39 -2.96 0.00	77.00 -3.04 0.00	79.72 -2.47 0.00	72.84 -2.25 0.00	74.62 -2.15 0.00	75.93 -2.27 0.00	79.73 -2.38 0.00	80.98 -2.68 0.00	79.81 -2.55 0.00	85.69 -4.52 31.89	82.51 -3.63 2.39	82.30 -3.25 0.00	82.39 -3.43 0.00	80.23 -1.97 0.00	80.47 -1.48 0.00	80.80 -1.06 0.00
MAPLEWOD_115KV_TB3 80458	67.76 3.04 0.00	66.10 2.97 0.00	68.74 3.15 0.00	68.67 3.08 0.00	68.81 3.15 0.00	65.50 3.00 0.00	166.69 3.50 -93.24	218.49 4.20 -132.02	156.36 4.36 -69.63	84.52 4.48 0.00	88.39 4.44 -1.77	82.04 4.05 -2.90	81.07 4.15 -0.15	82.42 4.22 0.00	87.75 4.35 -1.29	96.58 4.27 -8.66	112.23 4.04 -25.82	130.50 5.86 -2.55	154.21 4.34 -61.35	135.22 4.19 -45.47	121.03 4.21 -31.00	104.77 3.95 -18.63	101.04 4.18 -14.91	101.04 4.17 -15.00
MAPLE_RIDGE_WT_1 323574	63.35 -1.36 0.00	61.80 -1.33 0.00	64.21 -1.38 0.00	64.21 -1.38 0.00	64.27 -1.38 0.00	61.19 -1.32 0.00	68.07 -1.89 0.00	80.05 -2.22 0.00	80.14 -2.22 0.00	77.88 -2.16 0.00	80.05 -2.14 0.00	73.14 -1.95 0.00	74.77 -2.00 0.00	76.01 -2.19 0.00	79.81 -2.30 0.00	81.32 -2.34 0.00	80.06 -2.31 0.00	59.87 -3.54 58.67	81.47 -2.65 4.40	83.07 -2.48 0.00	83.42 -2.40 0.00	80.15 -2.05 0.00	80.15 -1.80 0.00	80.14 -1.72 0.00
MAPLE_RIDGE_WT_2 323611	63.35 -1.36 0.00	61.80 -1.33 0.00	64.21 -1.38 0.00	64.21 -1.38 0.00	64.27 -1.38 0.00	61.19 -1.32 0.00	68.07 -1.89 0.00	80.05 -2.22 0.00	80.14 -2.22 0.00	77.88 -2.16 0.00	80.05 -2.14 0.00	73.14 -1.95 0.00	74.77 -2.00 0.00	76.01 -2.19 0.00	79.81 -2.30 0.00	81.32 -2.34 0.00	80.06 -2.31 0.00	59.87 -3.54 58.67	81.47 -2.65 4.40	83.07 -2.48 0.00	83.42 -2.40 0.00	80.15 -2.05 0.00	80.15 -1.80 0.00	80.14 -1.72 0.00
MARBLE_RIVER_WT_PWR 323696	63.61 -1.10 0.00	61.80 -1.33 0.00	64.15 -1.44 0.00	64.02 -1.57 0.00	64.08 -1.58 0.00	61.00 -1.50 0.00	66.88 -3.08 0.00	77.99 -4.28 0.00	77.99 -4.37 0.00	75.71 -4.32 0.00	78.57 -3.61 0.00	71.79 -3.30 0.00	73.47 -3.30 0.00	74.76 -3.44 0.00	78.58 -3.53 0.00	79.89 -3.76 0.00	78.83 -3.54 0.00	81.81 -6.10 34.18	81.45 -4.51 2.56	81.27 -4.28 0.00	81.62 -4.20 0.00	78.91 -3.29 0.00	79.16 -2.79 0.00	79.57 -2.29 0.00
MARSHVLE_115KV_TB1 80742	68.66 3.95 0.00	66.79 3.66 0.00	69.46 3.87 0.00	69.46 3.87 0.00	69.66 4.01 0.00	66.57 4.06 0.00	205.50 5.74 -129.81	272.90 6.83 -183.80	184.10 6.26 -95.49	84.84 4.80 0.00	88.15 3.95 -2.02	81.41 3.00 -3.31	80.01 3.07 -0.17	81.87 3.68 0.00	87.61 4.02 -1.48	99.24 5.69 -9.89	118.21 6.18 -29.66	136.20 10.38 -3.73	172.80 7.70 -76.58	150.96 7.44 -57.97	128.47 7.21 -35.44	110.15 6.66 -21.29	104.97 5.98 -17.04	104.66 5.65 -17.15
MARSH_HILL_WT_PWR 323713	61.22 -3.50 0.00	59.72 -3.41 0.00	61.79 -3.81 0.00	61.92 -3.67 0.00	62.31 -3.35 0.00	60.32 -2.19 0.00	73.08 -0.35 -3.48	85.80 -1.40 -4.93	83.35 -1.98 -2.97	77.56 -2.48 0.00	78.38 -4.11 -0.30	71.04 -4.50 -0.46	72.27 -4.53 -0.03	73.82 -4.38 0.00	76.56 -5.75 -0.21	79.75 -5.27 -1.36	82.08 -4.94 -4.66	116.58 -6.95 -1.45	90.05 -4.69 -6.22	85.38 -4.28 -4.11	85.99 -4.80 -4.97	80.01 -5.34 -3.16	78.58 -5.90 -2.53	78.92 -5.48 -2.54
MCINTYRE_115KV_TB2 80467	65.56 0.84 0.00	63.76 0.63 0.00	66.05 0.46 0.00	66.25 0.66 0.00	66.05 0.39 0.00	63.00 0.50 0.00	69.11 -0.84 0.00	80.71 -1.56 0.00	80.63 -1.73 0.00	77.96 -2.08 0.00	80.30 -1.89 0.00	73.44 -1.65 0.00	75.39 -1.38 0.00	76.71 -1.49 0.00	80.71 -1.40 0.00	81.98 -1.67 0.00	80.56 -1.81 0.00	89.32 -4.15 28.62	83.81 -2.57 2.15	83.07 -2.48 0.00	83.50 -2.32 0.00	81.29 -0.90 0.00	81.54 -0.41 0.00	81.78 -0.08 0.00
MECO_____69_KV_BK1 80468	70.15 5.44 0.00	68.18 5.05 0.00	70.90 5.31 0.00	70.84 5.25 0.00	71.11 5.45 0.00	67.94 5.44 0.00	216.55 7.27 -139.33	288.10 8.56 -197.28	192.67 7.91 -102.41	86.68 6.64 0.00	90.05 5.92 -1.95	83.24 4.96 -3.19	82.00 5.07 -0.17	83.75 5.55 0.00	89.53 5.99 -1.42	100.55 7.36 -9.53	118.79 7.99 -28.43	138.90 13.06 -3.75	178.24 9.56 -80.15	156.57 9.32 -61.70	129.13 9.18 -34.13	111.02 8.30 -20.51	106.07 7.70 -16.42	105.83 7.45 -16.52
MENANDS___115KV_TB5 355628	67.56 2.85 0.00	65.91 2.78 0.00	68.54 2.95 0.00	68.48 2.89 0.00	68.61 2.95 0.00	65.25 2.75 0.00	160.72 3.15 -87.62	210.12 3.78 -124.07	152.00 4.04 -65.61	84.20 4.16 0.00	88.14 4.19 -1.76	81.74 3.75 -2.89	80.84 3.92 -0.15	82.19 3.99 0.00	87.34 3.94 -1.29	96.15 3.85 -8.64	111.53 3.46 -25.71	129.23 4.88 -2.26	151.17 3.63 -59.02	132.40 3.51 -43.34	120.26 3.52 -30.92	104.15 3.37 -18.58	100.59 3.77 -14.88	100.68 3.85 -14.97
MG INDUSTRY___DRP 24185	67.24 2.52 0.00	65.59 2.46 0.00	68.35 2.75 0.00	68.28 2.69 0.00	68.35 2.69 0.00	64.94 2.44 0.00	120.47 2.73 -47.79	153.14 3.21 -67.66	122.58 3.21 -37.01	83.24 3.20 0.00	87.03 3.12 -1.72	80.68 2.78 -2.82	79.76 2.84 -0.15	81.25 3.05 0.00	86.40 3.04 -1.26	95.08 3.01 -8.41	110.44 2.88 -25.19	127.73 4.15 -1.49	134.51 3.01 -42.98	117.50 3.08 -28.87	118.87 2.92 -30.13	103.25 2.96 -18.09	99.71 3.28 -14.48	99.87 3.44 -14.57



MID___OSWEGATCHIE_HYD 23849	64.13 -0.58 0.00	62.44 -0.69 0.00	64.80 -0.79 0.00	64.94 -0.66 0.00	64.87 -0.79 0.00	61.94 -0.56 0.00	68.83 -1.12 0.00	80.54 -1.73 0.00	80.46 -1.89 0.00	77.72 -2.32 0.00	79.92 -2.30 -0.04	73.05 -2.10 -0.06	75.01 -1.77 0.00	76.40 -1.80 0.00	80.49 -1.64 -0.03	82.16 -1.67 -0.18	81.02 -1.89 -0.55	100.74 -3.42 17.93	85.40 -2.04 1.09	83.50 -2.05 0.00	84.49 -1.97 -0.65	81.52 -1.07 -0.39	81.36 -0.90 -0.31	81.44 -0.74 -0.31
MID___RAQUETTE_HYD 23851	64.33 -0.39 0.00	62.50 -0.63 0.00	64.80 -0.79 0.00	64.94 -0.66 0.00	64.80 -0.85 0.00	61.63 -0.88 0.00	67.50 -2.45 0.00	78.32 -3.95 0.00	78.24 -4.12 0.00	75.88 -4.16 0.00	78.24 -3.95 0.00	71.56 -3.53 0.00	73.70 -3.07 0.00	74.99 -3.21 0.00	78.82 -3.28 0.00	79.98 -3.68 0.00	78.33 -4.04 0.00	87.18 -7.81 27.10	81.45 -5.05 2.03	80.67 -4.88 0.00	81.01 -4.81 0.00	79.40 -2.79 0.00	79.90 -2.05 0.00	80.22 -1.64 0.00
MILLIKEN___1 23584	65.49 0.78 0.00	63.89 0.76 0.00	66.38 0.79 0.00	66.31 0.72 0.00	66.51 0.85 0.00	63.75 1.25 0.00	76.39 2.59 -3.85	90.69 2.96 -5.46	88.31 2.72 -3.23	82.28 2.24 0.00	84.37 1.89 -0.29	76.92 1.35 -0.48	78.33 1.54 -0.03	80.00 1.80 0.00	84.21 1.89 -0.21	87.43 2.34 -1.43	89.62 2.39 -4.86	127.43 3.91 -1.43	98.17 3.19 -6.45	92.78 2.99 -4.23	93.88 2.83 -5.22	87.60 2.30 -3.10	86.31 1.88 -2.48	86.32 1.96 -2.49
MILLIKEN___2 23585	65.49 0.78 0.00	63.89 0.76 0.00	66.38 0.79 0.00	66.31 0.72 0.00	66.51 0.85 0.00	63.75 1.25 0.00	76.39 2.59 -3.85	90.69 2.96 -5.46	88.31 2.72 -3.23	82.28 2.24 0.00	84.37 1.89 -0.29	76.92 1.35 -0.48	78.33 1.54 -0.03	80.00 1.80 0.00	84.21 1.89 -0.21	87.43 2.34 -1.43	89.62 2.39 -4.86	127.43 3.91 -1.43	98.17 3.19 -6.45	92.78 2.99 -4.23	93.88 2.83 -5.22	87.60 2.30 -3.10	86.31 1.88 -2.48	86.32 1.96 -2.49
MILLIKEN___DIESEL 23629	65.49 0.78 0.00	63.89 0.76 0.00	66.38 0.79 0.00	66.31 0.72 0.00	66.51 0.85 0.00	63.75 1.25 0.00	76.39 2.59 -3.85	90.69 2.96 -5.46	88.31 2.72 -3.23	82.28 2.24 0.00	84.37 1.89 -0.29	76.92 1.35 -0.48	78.33 1.54 -0.03	80.00 1.80 0.00	84.21 1.89 -0.21	87.43 2.34 -1.43	89.62 2.39 -4.86	127.43 3.91 -1.43	98.17 3.19 -6.45	92.78 2.99 -4.23	93.88 2.83 -5.22	87.60 2.30 -3.10	86.31 1.88 -2.48	86.32 1.96 -2.49
MILLSEAT___LFGE 323607	59.08 -5.63 0.00	57.64 -5.49 0.00	59.56 -6.03 0.00	59.69 -5.90 0.00	59.81 -5.84 0.00	57.82 -4.69 0.00	67.15 -2.80 0.00	77.91 -4.36 0.00	77.70 -5.19 -0.53	74.27 -5.76 0.00	75.57 -6.82 -0.21	68.48 -6.91 -0.29	69.49 -7.30 -0.02	71.08 -7.12 0.00	74.52 -7.72 -0.13	77.67 -6.86 -0.87	77.93 -7.08 -2.64	111.15 -11.11 -0.18	85.08 -7.09 -3.64	80.79 -7.01 -2.25	82.16 -6.78 -3.12	77.56 -6.82 -2.18	76.65 -7.05 -1.74	77.47 -6.14 -1.75
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	68.66 3.95 0.00	66.92 3.79 0.00	69.46 3.87 0.00	69.26 3.67 0.00	69.40 3.74 0.00	66.44 3.94 0.00	87.92 5.04 -12.93	106.99 6.42 -18.31	100.59 7.00 -11.23	87.00 6.96 0.00	91.00 7.48 -1.33	84.10 6.83 -2.18	83.95 7.06 -0.11	85.24 7.04 0.00	90.55 7.47 -0.97	98.03 7.86 -6.51	125.30 7.91 -35.02	168.22 11.35 -34.78	140.89 8.50 -43.86	128.77 8.30 -34.92	120.46 8.32 -26.32	103.61 7.40 -14.01	100.05 6.88 -11.22	99.53 6.39 -11.29
MILLWOOD_13_KV_LOAD 356217	68.79 4.08 0.00	67.05 3.91 0.00	69.59 4.00 0.00	69.40 3.80 0.00	69.53 3.87 0.00	66.57 4.06 0.00	88.06 5.18 -12.93	107.24 6.66 -18.31	100.84 7.25 -11.23	87.16 7.12 0.00	91.16 7.64 -1.33	84.25 6.98 -2.18	84.10 7.22 -0.11	85.39 7.19 0.00	90.80 7.72 -0.97	98.28 8.11 -6.51	125.54 8.15 -35.02	168.59 11.72 -34.78	141.24 8.85 -43.86	129.11 8.64 -34.92	120.72 8.58 -26.32	103.86 7.64 -14.01	100.30 7.13 -11.22	99.78 6.63 -11.29
MODEL_CITY_ENERGY 24167	56.88 -7.83 0.00	55.62 -7.51 0.00	57.32 -8.27 0.00	57.46 -8.14 0.00	57.58 -8.08 0.00	55.63 -6.88 0.00	64.42 -5.53 0.00	74.37 -7.90 0.00	74.18 -8.73 -0.56	70.99 -9.04 0.00	72.29 -10.11 -0.22	65.55 -9.83 -0.29	66.50 -10.29 -0.02	67.96 -10.24 0.00	71.24 -11.00 -0.13	74.06 -10.46 -0.86	74.48 -10.87 -2.99	106.02 -17.09 -1.02	81.52 -11.24 -4.24	77.49 -10.95 -2.89	78.34 -10.64 -3.16	74.12 -10.36 -2.29	73.37 -10.41 -1.83	74.53 -9.17 -1.84
MODERN_LFGE___ 323580	56.88 -7.83 0.00	55.62 -7.51 0.00	57.32 -8.27 0.00	57.46 -8.14 0.00	57.58 -8.08 0.00	55.63 -6.88 0.00	64.42 -5.53 0.00	74.37 -7.90 0.00	74.18 -8.73 -0.56	70.99 -9.04 0.00	72.29 -10.11 -0.22	65.55 -9.83 -0.29	66.50 -10.29 -0.02	67.96 -10.24 0.00	71.24 -11.00 -0.13	74.06 -10.46 -0.86	74.48 -10.87 -2.99	106.02 -17.09 -1.02	81.52 -11.24 -4.24	77.49 -10.95 -2.89	78.34 -10.64 -3.16	74.12 -10.36 -2.29	73.37 -10.41 -1.83	74.53 -9.17 -1.84
MOHAWK_PAPER___DRP 24187	67.76 3.04 0.00	66.10 2.97 0.00	68.74 3.15 0.00	68.67 3.08 0.00	68.81 3.15 0.00	65.50 3.00 0.00	166.69 3.50 -93.24	218.49 4.20 -132.02	156.36 4.36 -69.63	84.52 4.48 0.00	88.39 4.44 -1.77	82.04 4.05 -2.90	81.07 4.15 -0.15	82.42 4.22 0.00	87.75 4.35 -1.29	96.58 4.27 -8.66	112.23 4.04 -25.82	130.50 5.86 -2.55	154.21 4.34 -61.35	135.22 4.19 -45.47	121.03 4.21 -31.00	104.77 3.95 -18.63	101.04 4.18 -14.91	101.04 4.17 -15.00
MOHICAN___35_KV_115KV_LD 80490	69.44 4.72 0.00	67.49 4.36 0.00	70.25 4.66 0.00	70.12 4.53 0.00	70.32 4.66 0.00	67.07 4.56 0.00	216.45 5.88 -140.62	288.46 7.08 -199.11	192.90 7.00 -103.54	86.52 6.48 0.00	90.32 6.33 -1.81	83.69 5.63 -2.97	82.76 5.83 -0.15	84.22 6.02 0.00	89.84 6.40 -1.32	99.46 6.94 -8.86	116.01 7.17 -26.47	137.35 11.23 -4.03	177.22 8.14 -80.55	156.36 7.87 -62.94	125.27 7.72 -31.73	108.16 6.90 -19.05	103.76 6.56 -15.25	103.51 6.30 -15.35
MONGAUP___HYD 23641	68.47 3.75 0.00	66.79 3.66 0.00	69.33 3.74 0.00	69.26 3.67 0.00	69.33 3.67 0.00	66.44 3.94 0.00	86.85 4.97 -11.94	104.68 5.51 -16.90	98.41 5.68 -10.37	85.96 5.92 0.00	89.00 5.59 -1.22	82.57 5.48 -2.00	82.56 5.68 -0.10	83.90 5.71 0.00	89.24 6.24 -0.89	95.82 6.19 -5.97	119.32 5.76 -31.19	160.95 9.03 -29.83	134.32 6.72 -39.07	122.67 6.33 -30.79	116.90 7.12 -23.96	101.23 6.17 -12.86	98.15 5.90 -10.29	97.70 5.49 -10.36
MONTAUK___DIESEL 23721	81.10 7.38 -9.01	78.55 7.07 -8.35	78.00 7.08 -5.32	77.81 6.89 -5.33	78.76 7.03 -6.08	86.70 7.25 -16.94	106.83 8.95 -27.92	126.70 11.52 -32.91	109.87 11.53 -15.99	95.00 10.81 -4.16	99.01 10.36 -6.47	90.41 9.01 -6.31	90.38 9.37 -4.25	91.47 9.31 -3.97	98.82 10.59 -6.12	111.43 11.46 -16.31	132.45 11.78 -38.30	177.45 17.82 -37.54	154.85 13.19 -53.14	139.68 12.66 -41.47	131.45 12.36 -33.28	125.56 10.93 -32.43	118.69 10.08 -26.66	108.06 10.72 -15.47
MOONROAD_115KV_HARTFLD_TB1-2 355988	59.28 -5.44 0.00	58.08 -5.05 0.00	58.18 -7.41 0.00	58.44 -7.15 0.00	60.21 -5.45 0.00	58.57 -3.94 0.00	68.06 -1.89 0.00	78.65 -3.62 0.00	78.63 -4.36 -0.64	75.24 -4.80 0.00	73.48 -8.96 -0.25	66.72 -8.71 -0.34	68.65 -8.14 -0.02	69.91 -8.29 0.00	72.00 -10.26 -0.15	74.71 -9.96 -1.01	78.27 -7.58 -3.48	112.40 -10.87 -1.17	85.82 -7.61 -4.91	81.78 -7.10 -3.33	81.61 -7.90 -3.68	76.83 -7.97 -2.60	73.54 -10.49 -2.08	76.75 -7.20 -2.09



MORRIS_RIDGE___SOLAR 323848	60.31 -4.40 0.00	58.96 -4.17 0.00	60.94 -4.66 0.00	61.07 -4.53 0.00	61.19 -4.47 0.00	59.07 -3.44 0.00	71.33 -1.96 -3.34	83.71 -3.29 -4.73	81.34 -3.87 -2.85	75.71 -4.32 0.00	76.56 -5.92 -0.29	69.51 -6.01 -0.43	70.89 -5.91 -0.02	72.33 -5.87 0.00	75.24 -7.06 -0.19	78.23 -6.70 -1.27	80.56 -6.18 -4.37	114.57 -8.91 -1.39	88.35 -6.11 -5.93	83.77 -5.73 -3.95	84.39 -6.09 -4.66	79.08 -6.17 -3.04	77.91 -6.48 -2.44	78.66 -5.65 -2.45
MORTIMER_115KV_TB3 55949	60.90 -3.82 0.00	59.34 -3.79 0.00	61.46 -4.13 0.00	61.52 -4.07 0.00	61.72 -3.94 0.00	59.44 -3.06 0.00	68.06 -1.89 0.00	79.55 -2.71 0.00	79.51 -3.29 -0.44	76.36 -3.68 0.00	78.50 -3.86 -0.18	71.48 -3.90 -0.30	72.18 -4.61 -0.02	73.74 -4.46 0.00	77.89 -4.35 -0.13	80.86 -3.68 -0.88	81.27 -3.79 -2.69	115.52 -6.71 -0.15	87.90 -3.90 -3.27	83.42 -4.02 -1.89	85.39 -3.60 -3.18	80.37 -3.70 -1.87	79.51 -3.93 -1.50	79.93 -3.44 -1.51
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	69.05 4.34 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.47 5.53 -12.99	107.82 7.16 -18.39	101.47 7.82 -11.29	87.80 7.76 0.00	91.91 8.38 -1.34	84.86 7.58 -2.19	84.79 7.91 -0.11	86.10 7.90 0.00	91.54 8.46 -0.98	99.07 8.87 -6.54	126.43 8.81 -35.25	169.85 12.70 -35.07	142.14 9.47 -44.14	129.95 9.24 -35.16	121.55 9.27 -26.46	104.50 8.22 -14.08	100.92 7.70 -11.27	100.41 7.20 -11.34
MUNSVILLE_WIND_PWR 323609	68.86 4.15 0.00	67.23 4.10 0.00	69.66 4.07 0.00	69.79 4.20 0.00	69.86 4.21 0.00	67.51 5.00 0.00	86.03 7.14 -8.94	103.65 8.72 -12.66	98.05 8.48 -7.21	87.08 7.04 0.00	88.96 6.33 -0.44	81.22 5.41 -0.72	82.80 5.99 -0.04	84.53 6.33 0.00	89.33 6.90 -0.32	93.49 7.69 -2.14	97.43 7.74 -7.33	137.60 13.19 -2.33	109.77 9.83 -11.42	102.74 9.24 -7.95	102.95 9.27 -7.86	95.09 8.22 -4.67	93.07 7.38 -3.74	93.15 7.53 -3.76
N SALMON___HYD 24042	64.71 0.00 0.00	62.76 -0.38 0.00	65.14 -0.46 0.00	65.06 -0.53 0.00	65.06 -0.59 0.00	62.07 -0.43 0.00	68.21 -1.75 0.00	79.47 -2.80 0.00	79.40 -2.96 0.00	77.00 -3.04 0.00	79.72 -2.46 0.00	72.84 -2.25 0.00	74.62 -2.15 0.00	75.93 -2.27 0.00	79.72 -2.38 0.00	81.06 -2.59 0.00	79.90 -2.47 0.00	85.69 -4.51 31.89	82.59 -3.54 2.39	82.30 -3.25 0.00	82.56 -3.26 0.00	80.31 -1.89 0.00	80.48 -1.47 0.00	80.79 -1.07 0.00
N.AKRON__115KV_KNAPP 355671	58.89 -5.82 0.00	57.51 -5.62 0.00	59.36 -6.23 0.00	59.49 -6.10 0.00	59.68 -5.97 0.00	57.88 -4.63 0.00	66.87 -3.08 0.00	77.58 -4.69 0.00	77.37 -5.52 -0.53	73.95 -6.08 0.00	75.25 -7.15 -0.21	68.33 -7.06 -0.29	69.27 -7.52 -0.02	70.85 -7.35 0.00	74.28 -7.96 -0.13	77.33 -7.19 -0.87	78.20 -7.17 -3.00	111.47 -11.60 -0.98	85.12 -7.52 -4.12	80.95 -7.36 -2.76	81.89 -7.12 -3.19	77.24 -7.15 -2.19	76.33 -7.38 -1.76	77.24 -6.39 -1.77
N.BELMOR_69_KV_BK1 55787	83.38 5.82 -12.84	80.70 5.62 -11.95	81.08 5.71 -9.79	80.91 5.51 -9.81	81.48 5.65 -10.18	85.00 5.81 -16.68	107.97 7.20 -30.82	133.72 9.05 -42.40	123.15 9.64 -31.16	97.05 9.36 -7.65	120.39 9.78 -28.42	107.96 8.94 -23.93	107.92 9.21 -21.94	108.38 9.23 -20.95	120.15 9.94 -28.10	134.00 10.46 -39.89	144.01 10.30 -51.34	185.20 15.02 -48.10	181.11 11.24 -81.34	164.83 10.86 -68.42	159.02 10.81 -62.39	134.87 9.78 -42.89	126.83 9.51 -35.38	119.57 9.00 -28.70
N.E_GEN_SANDY PD 24062	90.20 3.75 -21.73	87.20 3.66 -20.41	84.60 3.80 -15.21	83.30 3.80 -13.91	86.00 3.81 -16.54	95.97 3.69 -29.78	109.70 4.41 -35.34	138.63 5.34 -51.02	117.20 5.68 -29.16	93.79 5.77 -7.98	90.83 5.92 -2.72	85.43 5.41 -4.93	82.50 5.53 -0.20	83.75 5.55 0.00	90.10 5.92 -2.08	97.54 6.10 -7.78	118.92 6.01 -30.54	147.93 8.67 -17.17	140.90 6.55 -45.82	125.41 6.24 -33.62	121.34 6.26 -29.25	104.60 5.67 -16.73	100.84 5.49 -13.39	100.50 5.16 -13.48
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	68.21 3.49 0.00	66.48 3.35 0.00	69.00 3.41 0.00	68.81 3.21 0.00	68.94 3.28 0.00	66.00 3.50 0.00	87.05 4.55 -12.55	105.89 5.84 -17.78	99.61 6.34 -10.91	86.36 6.32 0.00	90.30 6.82 -1.29	83.43 6.23 -2.11	83.33 6.45 -0.11	84.69 6.49 0.00	89.95 6.90 -0.94	97.24 7.28 -6.30	123.16 7.25 -33.54	165.45 10.50 -32.87	138.42 7.88 -42.02	126.49 7.61 -33.33	118.87 7.64 -25.41	102.51 6.74 -13.57	99.12 6.31 -10.86	98.60 5.81 -10.93
N.QUEENS_27_KV_LOAD 356247	69.12 4.40 -0.01	67.35 4.23 0.01	69.72 4.13 0.00	69.53 3.94 0.00	69.73 4.07 0.00	66.87 4.38 0.01	88.40 5.46 -12.99	107.82 7.16 -18.39	101.54 7.91 -11.28	88.03 8.00 0.01	92.24 8.71 -1.34	85.16 7.88 -2.18	85.09 8.21 -0.11	86.32 8.13 0.01	91.88 8.79 -0.98	99.41 9.20 -6.55	126.76 9.14 -35.25	170.23 13.06 -35.07	142.41 9.74 -44.15	130.30 9.58 -35.17	121.90 9.61 -26.46	104.76 8.47 -14.09	101.18 7.95 -11.28	100.66 7.45 -11.35
N.TROY___115KV_TB1 355778	68.14 3.43 0.00	66.48 3.35 0.00	69.13 3.54 0.00	69.07 3.48 0.00	69.20 3.55 0.00	65.88 3.38 0.00	191.09 4.06 -117.08	252.90 4.85 -165.78	174.11 5.02 -86.73	85.00 4.96 0.00	88.89 4.93 -1.78	82.43 4.43 -2.91	81.53 4.61 -0.15	82.89 4.69 0.00	88.33 4.93 -1.30	97.46 5.10 -8.70	113.91 5.11 -26.44	133.86 7.45 -4.32	165.60 5.58 -71.50	145.81 5.39 -54.87	122.38 5.32 -31.24	105.84 4.93 -18.71	101.76 4.84 -14.98	101.52 4.58 -15.07
NARROWS_GT1_1 24228	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT1_2 24229	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT1_3 24230	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT1_4 24231	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99



NARROWS_GT1_5 24232	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT1_6 24233	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT1_7 24234	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT1_8 24235	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_1 24236	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_2 24237	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_3 24238	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_4 24239	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_5 24240	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_6 24241	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_7 24242	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NARROWS_GT2_8 24243	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	68.92 4.21 0.00	67.24 4.10 0.00	69.92 4.33 0.00	69.79 4.20 0.00	69.99 4.33 0.00	66.69 4.19 0.00	120.70 4.27 -46.48	152.85 -4.77 -65.81	122.90 4.61 -35.93	84.76 4.72 0.00	87.86 4.03 -1.64	81.31 3.53 -2.70	80.44 3.53 -0.14	82.34 4.14 0.00	87.17 3.86 -1.20	95.81 4.10 -8.05	113.95 4.94 -26.64	136.82 7.69 -7.04	138.00 4.78 -44.69	122.31 5.39 -31.37	119.70 4.55 -29.33	103.72 4.19 -17.33	100.57 4.75 -13.87	100.89 5.08 -13.96
NCHELSEA_115KV_TR2 355582	69.31 4.59 0.00	67.55 4.42 0.00	70.12 4.53 0.00	69.99 4.39 0.00	70.12 4.46 0.00	67.13 4.63 0.00	89.64 5.81 -13.89	109.09 7.16 -19.66	101.80 7.49 -11.95	87.32 7.28 0.00	91.17 7.64 -1.33	84.26 6.98 -2.19	84.03 7.14 -0.11	85.39 7.19 0.00	90.80 7.72 -0.98	98.47 8.28 -6.53	125.28 8.32 -34.59	168.12 12.33 -33.70	141.48 9.30 -43.66	129.06 8.90 -34.61	121.05 8.93 -26.31	104.24 7.97 -14.07	100.75 7.54 -11.26	100.31 7.12 -11.33
NEG CAPITAL___MECHNVIL 23645	68.86 4.15 0.00	67.05 3.92 0.00	69.79 4.20 0.00	69.73 4.13 0.00	69.86 4.21 0.00	66.56 4.06 0.00	208.43 5.04 -133.44	277.21 6.00 -188.93	186.77 6.01 -98.41	85.80 5.77 0.00	89.65 5.67 -1.80	83.15 5.11 -2.95	82.15 5.22 -0.15	83.59 5.39 0.00	89.08 5.66 -1.31	98.57 6.10 -8.80	115.37 6.26 -26.75	136.41 9.53 -4.80	173.69 6.99 -78.17	153.20 6.76 -60.89	124.04 6.61 -31.61	107.13 6.00 -18.94	102.93 5.82 -15.16	102.68 5.57 -15.25



NEG CENTRAL_HIGH_ACRES 23767	60.64 -4.07 0.00	59.09 -4.04 0.00	61.26 -4.33 0.00	61.33 -4.26 0.00	61.45 -4.20 0.00	59.01 -3.50 0.00	67.64 -2.31 0.00	79.23 -3.04 0.00	78.90 -3.46 0.00	76.20 -3.84 0.00	78.34 -4.03 -0.17	71.40 -3.98 -0.29	72.18 -4.60 -0.01	73.82 -4.38 0.00	77.88 -4.35 -0.13	80.77 -3.76 -0.87	80.98 -4.03 -2.65	115.61 -6.47 0.00	85.86 -3.89 -1.23	81.55 -4.02 -0.02	85.18 -3.77 -3.13	80.08 -3.94 -1.83	79.32 -4.10 -1.46	79.57 -3.76 -1.47
NEG CENTRAL___DRP 24199	63.68 -1.04 0.00	62.06 -1.07 0.00	64.41 -1.18 0.00	64.41 -1.18 0.00	64.67 -0.98 0.00	62.07 -0.44 0.00	70.86 0.91 0.00	83.01 0.74 0.00	83.27 0.41 -0.50	80.20 0.16 0.00	81.98 -0.41 -0.20	74.66 -0.75 -0.32	76.02 -0.77 -0.02	77.65 -0.55 0.00	81.60 -0.66 -0.14	84.29 -0.33 -0.97	85.05 -0.25 -2.93	121.65 -0.61 -0.17	92.28 0.09 -3.66	87.87 0.17 -2.15	89.20 -0.09 -3.46	83.96 -0.33 -2.09	82.88 -0.74 -1.67	83.05 -0.49 -1.68
NEG CENTRAL___INDECK 23768	63.16 -1.55 0.00	61.49 -1.64 0.00	63.69 -1.90 0.00	63.82 -1.77 0.00	64.02 -1.64 0.00	61.82 -0.69 0.00	71.63 1.68 0.00	81.45 -0.82 0.00	81.28 -1.73 -0.65	77.47 -2.56 0.00	78.91 -3.53 -0.25	71.57 -3.91 -0.39	72.50 -4.30 -0.02	74.21 -3.99 0.00	78.01 -4.27 -0.18	81.32 -3.51 -1.17	83.15 -3.21 -3.99	117.92 -5.37 -1.20	90.72 -3.01 -5.20	86.29 -2.65 -3.39	89.67 -0.43 -4.28	83.86 -0.98 -2.65	82.59 -1.47 -2.12	82.85 -1.15 -2.13
NEG CENTRAL___SENECA 23627	63.29 -1.42 0.00	61.74 -1.39 0.00	64.02 -1.57 0.00	64.02 -1.57 0.00	64.28 -1.38 0.00	61.88 -0.63 0.00	70.93 0.98 0.00	82.84 0.58 0.00	83.07 0.16 -0.55	79.88 -0.16 0.00	81.50 -0.90 -0.21	74.09 -1.35 -0.35	75.41 -1.38 -0.02	77.18 -1.02 0.00	80.95 -1.31 -0.16	83.70 -1.00 -1.04	85.09 -0.82 -3.54	121.27 -1.83 -1.01	92.47 -0.53 -4.47	88.07 -0.34 -2.86	88.87 -0.77 -3.82	83.64 -0.82 -2.26	82.45 -1.31 -1.81	82.70 -0.98 -1.82
NEG CENTRAL___STATE_STREET 24147	64.39 -0.32 0.00	62.82 -0.32 0.00	65.20 -0.39 0.00	65.20 -0.39 0.00	65.39 -0.26 0.00	62.63 0.13 0.00	71.35 1.40 0.00	83.83 1.56 0.00	84.34 1.48 -0.50	81.24 1.20 0.00	83.29 0.90 -0.20	75.86 0.45 -0.32	77.25 0.46 -0.02	78.90 0.70 0.00	82.99 0.74 -0.14	85.62 1.00 -0.96	86.26 0.99 -2.91	123.84 1.59 -0.17	93.68 1.50 -3.65	89.15 1.45 -2.15	90.46 1.20 -3.44	85.08 0.82 -2.06	84.01 0.41 -1.65	84.01 0.49 -1.66
NEG MILLWOOD___DRP 24198	69.57 4.85 0.00	67.80 4.67 0.00	70.38 4.79 0.00	70.18 4.59 0.00	70.32 4.66 0.00	67.32 4.81 0.00	89.56 6.02 -13.60	109.25 7.73 -19.25	102.18 8.07 -11.75	87.88 7.84 0.00	91.84 8.30 -1.35	84.81 7.51 -2.21	84.56 7.68 -0.12	85.94 7.74 0.00	91.39 8.29 -0.99	99.04 8.78 -6.60	126.79 9.06 -35.36	170.08 13.06 -34.93	142.91 9.91 -44.47	130.50 9.58 -35.37	122.10 9.61 -26.66	104.96 8.55 -14.21	101.36 8.03 -11.38	100.76 7.45 -11.45
NEG NORTH_FLCN_SEA 23793	64.33 -0.39 0.00	62.44 -0.69 0.00	64.80 -0.79 0.00	64.80 -0.79 0.00	64.74 -0.92 0.00	61.69 -0.81 0.00	67.29 -2.66 0.00	77.91 -4.36 0.00	77.83 -4.53 0.00	75.56 -4.48 0.00	78.98 -3.21 0.00	72.16 -2.93 0.00	73.85 -2.92 0.00	75.15 -3.05 0.00	78.99 -3.12 0.00	80.23 -3.43 0.00	79.24 -3.13 0.00	81.77 -6.23 34.10	80.92 -5.05 2.56	81.61 -3.94 0.00	81.01 -4.81 0.00	79.24 -2.96 0.00	79.57 -2.38 0.00	80.47 -1.39 0.00
NEG NORTH_KES_CHATEGAY 23792	63.74 -0.97 0.00	61.93 -1.20 0.00	64.21 -1.38 0.00	64.28 -1.31 0.00	64.21 -1.44 0.00	61.07 -1.44 0.00	67.01 -2.94 0.00	78.24 -4.03 0.00	78.16 -4.20 0.00	75.88 -4.16 0.00	78.65 -3.53 0.00	71.94 -3.15 0.00	73.62 -3.15 0.00	74.84 -3.36 0.00	78.66 -3.45 0.00	79.89 -3.76 0.00	78.91 -3.46 0.00	82.84 -5.74 33.51	81.32 -4.69 2.51	81.44 -4.11 0.00	81.44 -4.38 0.00	79.08 -3.12 0.00	79.33 -2.62 0.00	79.65 -2.21 0.00
NEG NORTH___ALICE_FALLS 23915	64.52 -0.19 0.00	62.63 -0.51 0.00	65.00 -0.59 0.00	65.00 -0.59 0.00	64.93 -0.72 0.00	61.94 -0.56 0.00	67.85 -2.10 0.00	78.73 -3.54 0.00	78.65 -3.71 0.00	76.36 -3.68 0.00	79.56 -2.63 0.00	72.61 -2.48 0.00	74.31 -2.46 0.00	75.62 -2.58 0.00	79.48 -2.63 0.00	80.73 -2.93 0.00	79.73 -2.64 0.00	83.08 -5.01 34.00	81.82 -4.16 2.55	82.21 -3.34 0.00	81.87 -3.95 0.00	79.82 -2.38 0.00	80.06 -1.88 0.00	80.80 -1.06 0.00
NEG NORTH___LWR_SARANAC 23913	64.52 -0.19 0.00	62.63 -0.51 0.00	65.00 -0.59 0.00	65.00 -0.59 0.00	64.93 -0.72 0.00	61.94 -0.56 0.00	67.85 -2.10 0.00	78.73 -3.54 0.00	78.65 -3.71 0.00	76.36 -3.68 0.00	79.56 -2.63 0.00	72.61 -2.48 0.00	74.31 -2.46 0.00	75.62 -2.58 0.00	79.48 -2.63 0.00	80.73 -2.93 0.00	79.73 -2.64 0.00	83.08 -5.01 34.00	81.82 -4.16 2.55	82.21 -3.34 0.00	81.87 -3.95 0.00	79.82 -2.38 0.00	80.06 -1.88 0.00	80.80 -1.06 0.00
NEG NORTH___PLATTSBURG 23628	64.52 -0.19 0.00	62.63 -0.51 0.00	65.00 -0.59 0.00	64.94 -0.66 0.00	64.94 -0.72 0.00	61.94 -0.56 0.00	67.78 -2.17 0.00	78.73 -3.54 0.00	78.65 -3.70 0.00	76.36 -3.68 0.00	79.56 -2.63 0.00	72.61 -2.48 0.00	74.31 -2.46 0.00	75.62 -2.58 0.00	79.48 -2.63 0.00	80.81 -2.84 0.00	79.81 -2.55 0.00	83.07 -5.01 34.00	82.52 -3.45 2.55	82.21 -3.34 0.00	82.56 -3.26 0.00	79.90 -2.30 0.00	80.07 -1.88 0.00	80.79 -1.07 0.00
NEG WEST_LEA_LOCKPORT 23791	57.34 -7.38 0.00	56.00 -7.13 0.00	57.79 -7.81 0.00	57.92 -7.67 0.00	58.04 -7.62 0.00	56.25 -6.25 0.00	64.91 -5.04 0.00	75.03 -7.24 0.00	74.84 -8.07 -0.55	71.63 -8.40 0.00	72.87 -9.53 -0.21	66.22 -9.16 -0.29	67.04 -9.75 -0.02	68.50 -9.70 0.00	71.81 -10.43 -0.13	74.65 -9.87 -0.87	75.49 -9.88 -3.00	107.10 -15.99 -1.01	82.20 -10.53 -4.21	78.22 -10.18 -2.85	79.04 -9.96 -3.18	74.76 -9.70 -2.26	73.93 -9.83 -1.81	75.09 -8.60 -1.82
NEG WEST___LANCASTER 23811	59.99 -4.72 0.00	58.65 -4.48 0.00	60.41 -5.18 0.00	60.48 -5.12 0.00	60.67 -4.99 0.00	58.75 -3.75 0.00	67.71 -2.24 0.00	77.74 -4.52 0.00	77.90 -5.11 -0.65	74.60 -5.44 0.00	72.49 -9.94 -0.25	65.97 -9.46 -0.35	69.96 -6.83 -0.02	71.40 -6.80 0.00	72.08 -10.18 -0.16	74.47 -10.21 -1.02	76.51 -9.39 -3.54	112.17 -11.11 -1.19	83.85 -9.65 -4.97	80.45 -8.47 -3.37	79.44 -10.13 -3.74	74.72 -10.11 -2.63	73.57 -10.49 -2.11	74.89 -9.09 -2.12
NEG_PENN_ALLEGHNY 23528	64.65 -0.06 0.00	63.13 0.00 0.00	65.59 0.00 0.00	65.59 0.00 0.00	65.72 0.07 0.00	62.82 0.31 0.00	77.30 1.40 -5.95	92.09 1.40 -8.42	88.70 1.31 -5.03	81.08 1.04 0.00	83.06 0.41 -0.46	75.98 0.15 -0.74	77.27 0.46 -0.04	78.82 0.62 0.00	82.85 0.41 -0.33	86.54 0.67 -2.22	90.69 0.74 -7.59	125.74 1.35 -2.30	99.87 1.15 -10.20	93.48 1.20 -6.74	94.90 0.95 -8.13	87.65 0.58 -4.87	86.10 0.25 -3.90	86.28 0.49 -3.92
NEG___GEN_MONROE 24207	60.70 -4.01 0.00	59.22 -3.91 0.00	61.33 -4.26 0.00	61.39 -4.20 0.00	61.59 -4.07 0.00	59.44 -3.06 0.00	67.99 -1.96 0.00	79.31 -2.96 0.00	79.26 -3.54 -0.45	75.96 -4.08 0.00	77.93 -4.44 -0.18	70.88 -4.51 -0.30	71.49 -5.30 -0.02	73.04 -5.16 0.00	76.99 -5.25 -0.13	79.94 -4.60 -0.88	80.44 -4.61 -2.69	114.42 -7.81 -0.15	87.30 -4.51 -3.29	82.84 -4.62 -1.91	84.70 -4.29 -3.17	79.73 -4.36 -1.89	79.03 -4.43 -1.51	79.61 -3.77 -1.52



NEPA__ENERGY 23901	58.89 -5.82 0.00	57.64 -5.49 0.00	59.10 -6.49 0.00	59.23 -6.36 0.00	59.68 -5.97 0.00	57.94 -4.56 0.00	67.01 -2.94 0.00	77.42 -4.85 0.00	77.37 -5.60 -0.61	74.03 -6.00 0.00	74.21 -8.22 -0.24	67.38 -8.03 -0.32	68.96 -7.83 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.82 -8.78 -0.95	77.42 -8.24 -3.29	110.88 -12.33 -1.12	84.70 -8.50 -4.67	80.69 -8.04 -3.19	80.88 -8.41 -3.47	76.39 -8.30 -2.50	74.85 -9.10 -2.00	76.42 -7.45 -2.01
NEVERSINK__HYD 23608	69.18 4.46 0.00	67.43 4.30 0.00	69.99 4.40 0.00	69.92 4.33 0.00	70.06 4.40 0.00	67.19 4.69 0.00	90.43 6.02 -14.46	109.90 7.15 -20.48	101.89 7.33 -12.20	86.92 6.88 0.00	90.47 7.07 -1.21	83.46 6.38 -1.99	83.40 6.52 -0.10	84.77 6.57 0.00	90.14 7.14 -0.89	97.38 7.78 -5.94	119.62 7.91 -29.34	160.43 12.33 -26.01	135.54 9.29 -37.72	123.44 8.64 -29.26	118.27 8.93 -23.52	102.81 7.81 -12.80	99.65 7.46 -10.24	99.21 7.04 -10.31
NEWKRMKL_115KV_TB1 55635	67.37 2.65 0.00	65.72 2.59 0.00	68.35 2.75 0.00	68.28 2.69 0.00	68.41 2.76 0.00	65.07 2.56 0.00	154.24 3.01 -81.28	200.98 3.62 -115.09	147.20 3.79 -61.05	83.96 3.92 0.00	87.89 3.95 -1.76	81.51 3.53 -2.89	80.53 3.61 -0.15	81.95 3.75 0.00	87.01 3.61 -1.29	95.64 3.35 -8.63	110.71 2.88 -25.46	127.59 3.91 -1.59	147.58 2.83 -56.22	129.11 2.82 -40.73	119.51 2.83 -30.85	103.64 2.88 -18.57	100.34 3.52 -14.86	100.58 3.77 -14.96
NEWTON__FALLS_HYD 23847	64.13 -0.58 0.00	62.44 -0.69 0.00	64.80 -0.79 0.00	64.94 -0.66 0.00	64.87 -0.79 0.00	61.94 -0.56 0.00	68.83 -1.12 0.00	80.54 -1.73 0.00	80.46 -1.89 0.00	77.72 -2.32 0.00	79.92 -2.30 -0.04	73.05 -2.10 -0.06	75.01 -1.77 0.00	76.40 -1.80 0.00	80.49 -1.64 -0.03	82.16 -1.67 -0.18	81.02 -1.89 -0.55	100.74 -3.42 17.93	85.40 -2.04 1.09	83.50 -2.05 0.00	84.49 -1.97 -0.65	81.52 -1.07 -0.39	81.36 -0.90 -0.31	81.44 -0.74 -0.31
NGRID_A1_DSASP 323792	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.45 -8.21 0.00	55.51 -7.00 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.21 -10.19 -0.22	65.61 -9.76 -0.28	66.28 -10.51 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	74.03 -10.46 -0.83	74.14 -11.12 -2.90	105.65 -17.46 -1.03	81.24 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.82 -3.05	73.98 -10.52 -2.30	73.30 -10.49 -1.84	74.55 -9.17 -1.85
NGRID_A2_DSASP 323793	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.45 -8.21 0.00	55.51 -7.00 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.21 -10.19 -0.22	65.61 -9.76 -0.28	66.28 -10.51 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	74.03 -10.46 -0.83	74.14 -11.12 -2.90	105.65 -17.46 -1.03	81.24 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.82 -3.05	73.98 -10.52 -2.30	73.30 -10.49 -1.84	74.55 -9.17 -1.85
NGRID_A4_DSASP 323807	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.45 -8.21 0.00	55.51 -7.00 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.21 -10.19 -0.22	65.61 -9.76 -0.28	66.28 -10.51 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	74.03 -10.46 -0.83	74.14 -11.12 -2.90	105.65 -17.46 -1.03	81.24 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.82 -3.05	73.98 -10.52 -2.30	73.30 -10.49 -1.84	74.55 -9.17 -1.85
NIAGARA_115E_LBMP 323715	56.56 -8.16 0.00	55.24 -7.89 0.00	57.00 -8.59 0.00	57.13 -8.46 0.00	57.19 -8.47 0.00	55.26 -7.25 0.00	63.94 -6.02 0.00	73.80 -8.47 0.00	73.61 -9.31 -0.56	70.51 -9.53 0.00	71.81 -10.60 -0.22	65.02 -10.36 -0.29	65.97 -10.82 -0.02	67.41 -10.79 0.00	70.75 -11.50 -0.13	73.56 -10.96 -0.86	73.91 -11.45 -2.99	105.17 -17.94 -1.03	80.93 -11.86 -4.27	76.83 -11.63 -2.92	77.73 -11.24 -3.15	73.57 -10.93 -2.31	72.82 -10.98 -1.85	74.06 -9.66 -1.86
NIAGARA_115W_LBMP 323714	56.69 -8.03 0.00	55.43 -7.70 0.00	57.13 -8.46 0.00	57.26 -8.33 0.00	57.38 -8.27 0.00	55.38 -7.13 0.00	64.01 -5.95 0.00	73.80 -8.47 0.00	73.69 -9.22 -0.56	70.59 -9.45 0.00	72.05 -10.36 -0.22	65.46 -9.91 -0.28	66.12 -10.67 -0.02	67.56 -10.63 0.00	70.99 -11.25 -0.13	73.86 -10.63 -0.83	73.97 -11.28 -2.88	105.41 -17.70 -1.03	81.05 -11.69 -4.21	76.99 -11.46 -2.90	77.87 -10.99 -3.03	73.81 -10.68 -2.30	73.22 -10.57 -1.84	74.38 -9.33 -1.85
NIAGARA_230_LBMP 323716	57.40 -7.31 0.00	56.06 -7.07 0.00	57.78 -7.81 0.00	57.92 -7.67 0.00	58.04 -7.62 0.00	56.00 -6.50 0.00	64.70 -5.25 0.00	74.62 -7.65 0.00	74.51 -8.40 -0.55	71.32 -8.72 0.00	72.79 -9.62 -0.21	66.12 -9.24 -0.27	66.89 -9.90 -0.02	68.34 -9.86 0.00	71.72 -10.51 -0.12	74.58 -9.87 -0.80	74.78 -10.38 -2.79	106.74 -16.36 -1.01	81.93 -10.71 -4.12	77.89 -10.53 -2.86	78.62 -10.13 -2.92	74.68 -9.78 -2.27	74.01 -9.75 -1.81	75.17 -8.52 -1.83
NIAGARA__115KV_198_GIBSON 55903	56.69 -8.02 0.00	55.43 -7.70 0.00	57.13 -8.46 0.00	57.26 -8.33 0.00	57.38 -8.27 0.00	55.63 -6.88 0.00	64.01 -5.95 0.00	73.80 -8.47 0.00	73.69 -9.22 -0.56	70.59 -9.44 0.00	72.05 -10.36 -0.22	65.46 -9.91 -0.28	66.12 -10.67 -0.02	67.56 -10.64 0.00	70.99 -11.25 -0.13	73.69 -10.79 -0.83	74.30 -10.95 -2.88	105.41 -17.70 -1.03	81.05 -11.69 -4.21	76.99 -11.46 -2.90	77.87 -10.99 -3.03	73.89 -10.60 -2.30	73.22 -10.57 -1.84	74.38 -9.33 -1.85
NIAGARA____ 23760	57.40 -7.31 0.00	56.06 -7.07 0.00	57.78 -7.81 0.00	57.92 -7.67 0.00	58.04 -7.62 0.00	56.00 -6.50 0.00	64.70 -5.25 0.00	74.62 -7.65 0.00	74.51 -8.40 -0.56	71.32 -8.72 0.00	72.79 -9.62 -0.22	66.13 -9.24 -0.28	66.89 -9.90 -0.02	68.34 -9.86 0.00	71.73 -10.51 -0.13	74.61 -9.87 -0.83	74.86 -10.38 -2.87	106.75 -16.36 -1.02	81.99 -10.71 -4.18	77.91 -10.53 -2.89	78.71 -10.13 -3.02	74.70 -9.78 -2.29	74.03 -9.75 -1.83	75.19 -8.52 -1.85
NINE_MILE_1 23575	62.00 -2.72 0.00	60.48 -2.65 0.00	62.84 -2.75 0.00	62.90 -2.69 0.00	62.96 -2.69 0.00	60.07 -2.44 0.00	67.71 -2.24 0.00	79.63 -2.64 0.00	79.56 -2.80 0.00	77.23 -2.80 0.00	79.31 -2.96 -0.08	72.44 -2.78 -0.13	73.86 -2.92 -0.01	75.31 -2.89 0.00	79.21 -2.95 -0.06	81.20 -2.84 -0.39	80.67 -2.89 -1.19	117.70 -4.39 0.00	86.16 -2.92 -0.55	82.65 -2.91 -0.01	84.39 -2.83 -1.40	80.15 -2.88 -0.83	79.67 -2.95 -0.66	79.58 -2.94 -0.67
NINE_MILE_2 23744	62.00 -2.72 0.00	60.48 -2.65 0.00	62.84 -2.75 0.00	62.90 -2.69 0.00	62.96 -2.69 0.00	60.07 -2.44 0.00	67.71 -2.24 0.00	79.63 -2.64 0.00	79.56 -2.80 0.00	77.23 -2.80 0.00	79.31 -2.96 -0.08	72.44 -2.78 -0.13	73.86 -2.92 -0.01	75.31 -2.89 0.00	79.21 -2.95 -0.06	81.20 -2.84 -0.39	80.66 -2.89 -1.18	117.70 -4.39 0.00	86.15 -2.92 -0.55	82.65 -2.91 -0.01	84.39 -2.83 -1.40	80.14 -2.88 -0.82	79.66 -2.95 -0.66	79.58 -2.94 -0.66
NM_CAPITAL__DRP 24208	67.43 2.72 0.00	65.78 2.65 0.00	68.41 2.82 0.00	68.35 2.75 0.00	68.48 2.82 0.00	65.13 2.63 0.00	151.38 3.01 -78.42	196.92 3.62 -111.03	145.24 3.87 -59.01	84.04 4.00 0.00	87.89 3.95 -1.76	81.58 3.60 -2.88	80.61 3.69 -0.15	81.95 3.75 0.00	87.17 3.78 -1.29	95.78 3.51 -8.61	110.98 3.13 -25.48	128.04 4.27 -1.68	146.86 3.19 -55.15	128.41 3.08 -39.78	119.70 3.09 -30.79	103.76 3.04 -18.52	100.38 3.61 -14.83	100.55 3.77 -14.92



NM_CENTRAL___DRP 24181	63.42 -1.29 0.00	61.87 -1.26 0.00	64.28 -1.31 0.00	64.28 -1.31 0.00	64.41 -1.25 0.00	61.57 -0.94 0.00	69.74 -0.21 0.00	82.02 -0.25 0.00	82.03 -0.33 0.00	79.56 -0.48 0.00	81.66 -0.66 -0.13	74.48 -0.83 -0.22	75.94 -0.84 -0.01	77.49 -0.70 0.00	81.55 -0.66 -0.10	83.89 -0.42 -0.65	83.86 -0.49 -1.99	121.23 -0.85 0.00	89.09 -0.35 -0.92	85.22 -0.34 -0.02	87.74 -0.43 -2.35	82.95 -0.66 -1.41	82.18 -0.90 -1.13	82.18 -0.82 -1.13
NM_FRONTIER___DRP 24179	56.69 -8.02 0.00	55.43 -7.70 0.00	57.13 -8.46 0.00	57.26 -8.33 0.00	57.38 -8.27 0.00	55.63 -6.88 0.00	64.01 -5.95 0.00	73.80 -8.47 0.00	73.69 -9.22 -0.56	70.59 -9.44 0.00	72.05 -10.36 -0.22	65.46 -9.91 -0.28	66.12 -10.67 -0.02	67.56 -10.64 0.00	70.99 -11.25 -0.13	73.69 -10.79 -0.83	74.30 -10.95 -2.88	105.41 -17.70 -1.03	81.05 -11.69 -4.21	76.99 -11.46 -2.90	77.87 -10.99 -3.03	73.89 -10.60 -2.30	73.22 -10.57 -1.84	74.38 -9.33 -1.85
NM_ST_REGIS___HYD 24053	64.39 -0.32 0.00	62.56 -0.57 0.00	64.87 -0.72 0.00	65.00 -0.59 0.00	64.87 -0.79 0.00	61.75 -0.75 0.00	67.64 -2.31 0.00	78.57 -3.70 0.00	78.49 -3.87 0.00	76.12 -3.92 0.00	78.57 -3.62 0.00	71.86 -3.23 0.00	73.93 -2.84 0.00	75.15 -3.05 0.00	78.99 -3.12 0.00	80.23 -3.43 0.00	78.66 -3.71 0.00	87.05 -6.96 28.08	81.73 -4.69 2.11	81.02 -4.53 0.00	81.36 -4.46 0.00	79.57 -2.63 0.00	79.98 -1.97 0.00	80.31 -1.56 0.00
NORTHPORT___1 23551	80.14 6.53 -8.89	77.81 6.44 -8.24	77.33 6.56 -5.18	77.27 6.49 -5.19	78.17 6.56 -5.95	86.16 6.69 -16.96	105.69 7.90 -27.84	125.07 10.20 -32.61	108.22 10.38 -15.48	94.09 10.00 -4.05	98.36 10.44 -5.74	90.42 9.61 -5.72	90.34 9.91 -3.66	91.45 9.85 -3.40	98.01 10.51 -5.39	110.14 10.96 -15.53	131.19 10.96 -37.87	175.14 15.86 -37.19	152.76 12.04 -52.20	137.94 11.81 -40.58	129.71 11.58 -32.31	124.65 10.36 -32.09	118.33 9.99 -26.38	106.38 9.49 -15.03
NORTHPORT___2 23552	80.14 6.53 -8.89	77.81 6.44 -8.24	77.33 6.56 -5.18	77.27 6.49 -5.19	78.17 6.56 -5.95	86.16 6.69 -16.96	105.69 7.90 -27.84	125.07 10.20 -32.61	108.22 10.38 -15.48	94.09 10.00 -4.05	98.36 10.44 -5.74	90.42 9.61 -5.72	90.34 9.91 -3.66	91.45 9.85 -3.40	98.01 10.51 -5.39	110.14 10.96 -15.53	131.19 10.96 -37.87	175.14 15.86 -37.19	152.76 12.04 -52.20	137.94 11.81 -40.58	129.71 11.58 -32.31	124.65 10.36 -32.09	118.33 9.99 -26.38	106.38 9.49 -15.03
NORTHPORT___3 23553	78.89 5.37 -8.81	76.47 5.18 -8.16	75.96 5.25 -5.12	75.97 5.25 -5.13	76.73 5.19 -5.89	84.73 5.38 -16.85	104.25 6.57 -27.72	122.71 7.98 -32.46	106.64 8.90 -15.38	92.84 8.80 -4.00	96.91 9.12 -5.60	88.96 8.26 -5.61	88.92 8.60 -3.55	90.10 8.60 -3.30	96.56 9.19 -5.26	108.63 9.62 -15.35	129.22 9.06 -37.79	172.03 12.82 -37.12	150.10 9.56 -52.01	135.29 9.33 -40.41	127.73 9.78 -32.13	123.24 9.12 -31.92	116.96 8.77 -26.24	105.07 8.26 -14.94
NORTHPORT___4 23650	78.89 5.37 -8.81	76.47 5.18 -8.16	75.96 5.25 -5.12	75.97 5.25 -5.13	76.73 5.19 -5.89	84.73 5.38 -16.85	104.25 6.57 -27.72	122.71 7.98 -32.46	106.64 8.90 -15.38	92.84 8.80 -4.00	96.91 9.12 -5.60	88.96 8.26 -5.61	88.92 8.60 -3.55	90.10 8.60 -3.30	96.56 9.19 -5.26	108.63 9.62 -15.35	129.22 9.06 -37.79	172.03 12.82 -37.12	150.10 9.56 -52.01	135.29 9.33 -40.41	127.73 9.78 -32.13	123.24 9.12 -31.92	116.96 8.77 -26.24	105.07 8.26 -14.94
NORTHPORT___IC 23718	80.21 6.60 -8.89	77.81 6.44 -8.24	77.33 6.56 -5.18	77.08 6.30 -5.19	78.17 6.57 -5.95	85.97 6.50 -16.96	105.63 7.83 -27.84	125.08 10.20 -32.61	108.38 10.54 -15.48	94.09 10.00 -4.05	98.36 10.44 -5.74	90.42 9.61 -5.72	90.33 9.90 -3.66	91.45 9.85 -3.40	98.01 10.51 -5.39	110.06 10.88 -15.53	131.36 11.12 -37.87	175.15 15.87 -37.19	152.77 12.04 -52.20	137.93 11.81 -40.58	129.80 11.67 -32.31	124.73 10.44 -32.09	118.33 10.00 -26.38	106.39 9.50 -15.03
NORTH___COUNTRY_ESR 323785	63.55 -1.16 0.00	61.74 -1.39 0.00	64.09 -1.51 0.00	64.02 -1.57 0.00	64.02 -1.64 0.00	60.94 -1.56 0.00	66.73 -3.22 0.00	77.99 -4.28 0.00	77.99 -4.37 0.00	75.71 -4.32 0.00	78.49 -3.70 0.00	71.71 -3.38 0.00	73.40 -3.38 0.00	74.68 -3.52 0.00	78.50 -3.61 0.00	79.81 -3.85 0.00	78.75 -3.62 0.00	82.50 -6.10 33.49	81.32 -4.69 2.51	81.19 -4.36 0.00	81.45 -4.37 0.00	78.83 -3.37 0.00	79.08 -2.87 0.00	79.41 -2.45 0.00
NPX_GEN_1385_PROXY 323591	80.21 6.60 -8.89	78.25 6.88 -8.24	77.65 6.89 -5.18	77.47 6.69 -5.19	78.96 7.35 -5.95	87.91 7.75 -17.66	105.35 8.25 -27.15	126.48 11.60 -32.61	108.54 10.70 -15.48	93.77 9.68 -4.05	98.45 10.52 -5.74	90.94 10.13 -5.72	90.72 10.29 -3.66	91.76 10.16 -3.40	97.93 10.43 -5.39	109.47 10.29 -15.53	130.70 10.46 -37.87	173.31 14.03 -37.19	152.23 11.50 -52.20	137.76 11.63 -40.58	128.94 10.81 -32.31	123.90 9.61 -32.09	117.51 9.18 -26.38	104.92 8.03 -15.03
NPX_GEN_CSC 323557	81.10 7.37 -9.01	78.61 7.13 -8.35	78.12 7.22 -5.32	78.14 7.22 -5.33	78.89 7.16 -6.08	87.32 7.18 -17.63	105.93 8.74 -27.23	126.36 11.19 -32.91	109.53 11.20 -15.98	94.92 10.73 -4.16	99.66 11.02 -6.45	91.22 9.83 -6.30	91.22 10.21 -4.24	92.25 10.09 -3.96	99.38 11.16 -6.11	111.83 11.87 -16.29	132.94 12.28 -38.30	178.06 18.44 -37.53	155.37 13.72 -53.12	140.35 13.34 -41.46	132.12 13.04 -33.26	126.13 11.51 -32.42	119.59 10.98 -26.66	108.30 10.97 -15.46
NSINS_S___GLNS_FALLS 23858	69.37 4.66 0.00	67.49 4.36 0.00	70.18 4.59 0.00	70.12 4.53 0.00	70.25 4.60 0.00	67.00 4.50 0.00	217.26 5.88 -141.44	289.53 6.99 -200.26	193.39 6.92 -104.12	86.52 6.48 0.00	90.24 6.25 -1.81	83.69 5.63 -2.97	82.68 5.76 -0.15	84.14 5.94 0.00	89.75 6.32 -1.32	99.38 6.86 -8.87	116.01 7.17 -26.47	137.33 11.23 -4.01	177.53 8.14 -80.86	156.55 7.79 -63.21	125.20 7.64 -31.75	108.17 6.90 -19.07	103.69 6.47 -15.26	103.44 6.22 -15.36
NUCOR_STEEL___DRP 24197	64.52 -0.19 0.00	62.94 -0.19 0.00	65.33 -0.26 0.00	65.39 -0.20 0.00	65.53 -0.13 0.00	62.75 0.25 0.00	71.28 1.33 0.00	83.83 1.56 0.00	84.16 1.32 -0.48	81.08 1.04 0.00	83.12 0.74 -0.19	75.77 0.38 -0.31	77.17 0.38 -0.02	78.82 0.63 0.00	82.99 0.74 -0.14	85.67 1.09 -0.92	86.25 1.07 -2.81	123.84 1.59 -0.16	93.54 1.50 -3.51	89.07 1.45 -2.06	90.43 1.29 -3.32	85.17 0.99 -1.99	84.20 0.66 -1.59	84.20 0.74 -1.60
NUMBER_THREE_WT_PWR 323818	64.65 -0.06 0.00	63.07 -0.06 0.00	65.46 -0.13 0.00	65.53 -0.07 0.00	65.59 -0.07 0.00	62.88 0.38 0.00	70.72 0.77 0.00	83.26 0.99 0.00	83.18 0.82 0.00	80.20 0.16 0.00	82.24 0.00 -0.05	75.10 -0.08 -0.08	76.93 0.15 0.00	78.43 0.24 0.00	82.72 0.58 -0.04	84.83 0.92 -0.25	83.85 0.74 -0.75	116.84 1.58 6.83	89.69 1.33 0.17	86.75 1.20 -0.01	87.90 1.20 -0.88	83.88 1.15 -0.53	83.28 0.90 -0.42	83.11 0.82 -0.43
NYISO_LBMP_REFERENCE 24008	64.71 0.00 0.00	63.13 0.00 0.00	65.59 0.00 0.00	65.59 0.00 0.00	65.66 0.00 0.00	62.50 0.00 0.00	69.95 0.00 0.00	82.27 0.00 0.00	82.36 0.00 0.00	80.04 0.00 0.00	82.19 0.00 0.00	75.09 0.00 0.00	76.77 0.00 0.00	78.20 0.00 0.00	82.11 0.00 0.00	83.66 0.00 0.00	82.37 0.00 0.00	122.09 0.00 0.00	88.53 0.00 0.00	85.55 0.00 0.00	85.82 0.00 0.00	82.20 0.00 0.00	81.95 0.00 0.00	81.86 0.00 0.00



NYPA_BRENTWD____GT 24164	80.98 7.12 -9.15	78.56 6.94 -8.48	78.10 7.02 -5.49	78.04 6.95 -5.50	78.85 6.96 -6.24	86.48 7.06 -16.92	106.58 8.60 -28.03	126.48 10.94 -33.27	110.04 11.11 -16.57	95.06 10.73 -4.29	100.68 11.18 -7.31	92.21 10.13 -6.99	92.14 10.44 -4.93	93.22 10.40 -4.62	100.33 11.25 -6.97	112.75 11.87 -17.22	133.12 11.94 -38.81	177.73 17.70 -37.95	156.03 13.27 -54.23	140.98 12.92 -42.51	132.92 12.70 -34.40	126.37 11.35 -32.82	119.84 10.90 -26.99	108.32 10.48 -15.98
NYPA_GOWANUS____GT5 24156	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NYPA_GOWANUS____GT6 24157	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.21 4.86 -39.70	112.48 5.13 -44.85	114.64 6.36 -38.33	150.05 8.15 -59.64	148.19 8.73 -57.10	143.68 8.65 -54.99	136.00 9.20 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.83 9.28 -43.45	188.74 9.70 -95.38	220.26 9.71 -128.18	201.66 14.03 -65.54	247.07 10.53 -148.02	234.85 10.26 -139.03	192.77 10.29 -96.66	181.24 9.12 -89.92	138.70 8.60 -48.15	114.88 8.03 -24.99
NYPA_HARLEM__RVR__GT1 24160	69.06 4.34 -0.01	67.29 4.17 0.01	69.65 4.07 0.01	69.65 4.07 0.01	69.65 4.01 0.01	66.87 4.37 0.01	88.32 5.39 -12.98	107.73 7.08 -18.38	101.37 7.74 -11.28	87.88 7.85 0.01	92.08 8.55 -1.34	85.01 7.74 -2.18	84.94 8.06 -0.11	86.25 8.06 0.01	91.63 8.54 -0.98	99.07 8.86 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.33 -35.17	121.64 9.36 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.49 7.28 -11.35
NYPA_HARLEM__RVR__GT2 24161	69.06 4.34 -0.01	67.29 4.17 0.01	69.65 4.07 0.01	69.65 4.07 0.01	69.65 4.01 0.01	66.87 4.37 0.01	88.32 5.39 -12.98	107.73 7.08 -18.38	101.37 7.74 -11.28	87.88 7.85 0.01	92.08 8.55 -1.34	85.01 7.74 -2.18	84.94 8.06 -0.11	86.25 8.06 0.01	91.63 8.54 -0.98	99.07 8.86 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.33 -35.17	121.64 9.36 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.49 7.28 -11.35
NYPA_KENT____GT 24152	94.95 4.98 -25.25	94.06 4.80 -26.13	93.92 4.79 -23.54	93.08 4.73 -22.77	93.05 4.66 -22.73	93.93 4.94 -26.49	103.53 6.08 -27.50	132.09 7.82 -42.01	129.18 8.48 -38.34	123.87 8.48 -35.36	122.89 9.04 -31.66	107.92 8.26 -24.57	109.20 8.52 -23.91	114.98 8.60 -28.18	121.50 9.11 -30.28	156.78 9.45 -63.67	186.84 9.47 -95.00	190.42 13.67 -54.66	204.27 10.26 -105.48	192.05 10.00 -96.50	163.68 9.95 -67.91	150.21 8.88 -59.14	125.38 8.44 -34.99	109.40 7.94 -19.60
NYPA_POUCH1____GT 24155	112.59 5.11 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.34 4.98 -39.77	110.28 4.93 -39.70	112.48 5.13 -44.85	114.58 6.30 -38.33	149.88 7.98 -59.64	147.94 8.48 -57.10	143.35 8.32 -54.99	135.67 8.88 -44.61	120.19 8.11 -36.99	122.26 8.37 -37.12	130.47 8.45 -43.82	134.51 8.95 -43.45	188.41 9.37 -95.38	219.93 9.39 -128.18	201.30 13.67 -65.54	246.81 10.26 -148.02	234.59 10.00 -139.03	192.52 10.04 -96.66	181.00 8.88 -89.92	138.46 8.36 -48.15	114.55 7.69 -24.99
NYPA_VERNON____GT2 24162	77.18 4.72 -7.74	75.44 4.55 -7.76	76.08 4.52 -5.96	75.88 4.52 -5.77	75.88 4.47 -5.76	75.44 4.81 -8.12	92.49 5.88 -16.66	114.29 7.65 -24.37	110.25 8.31 -19.58	104.08 8.32 -15.72	109.79 8.88 -18.72	95.35 8.11 -12.15	95.85 8.37 -10.71	99.19 8.45 -12.54	108.17 8.95 -17.11	124.91 9.28 -31.96	153.57 9.39 -61.82	179.41 13.55 -43.78	161.56 10.09 -62.94	149.34 9.83 -53.96	134.77 9.78 -39.17	119.26 8.71 -28.35	112.05 8.27 -21.83	103.86 7.78 -14.21
NYPA_VERNON____GT3 24163	77.18 4.72 -7.74	75.44 4.55 -7.76	76.08 4.52 -5.96	75.88 4.52 -5.77	75.88 4.47 -5.76	75.44 4.81 -8.12	92.49 5.88 -16.66	114.29 7.65 -24.37	110.25 8.31 -19.58	104.08 8.32 -15.72	109.79 8.88 -18.72	95.35 8.11 -12.15	95.85 8.37 -10.71	99.19 8.45 -12.54	108.17 8.95 -17.11	124.91 9.28 -31.96	153.57 9.39 -61.82	179.41 13.55 -43.78	161.56 10.09 -62.94	149.34 9.83 -53.96	134.77 9.78 -39.17	119.26 8.71 -28.35	112.05 8.27 -21.83	103.86 7.78 -14.21
NYPA__ASTORIA_CC1 323568	70.99 4.72 -1.55	69.00 4.55 -1.32	70.11 4.52 0.00	70.05 4.46 0.00	70.06 4.40 0.00	68.88 4.75 -1.63	88.74 5.80 -12.99	108.15 7.49 -18.39	103.54 8.23 -12.95	96.09 8.25 -7.80	103.51 8.80 -12.52	90.27 8.04 -7.14	90.44 8.29 -5.38	92.80 8.37 -6.23	102.00 8.87 -11.02	112.03 9.20 -19.17	140.11 9.30 -48.44	174.78 13.31 -39.39	146.34 9.91 -47.91	134.22 9.75 -38.92	124.52 9.69 -29.00	108.20 8.63 -17.38	106.66 8.19 -16.52	101.79 7.69 -12.24
NYPA__ASTORIA_CC2 323569	70.99 4.72 -1.55	69.00 4.55 -1.32	70.11 4.52 0.00	70.05 4.46 0.00	70.06 4.40 0.00	68.88 4.75 -1.63	88.74 5.80 -12.99	108.15 7.49 -18.39	103.54 8.23 -12.95	96.09 8.25 -7.80	103.51 8.80 -12.52	90.27 8.04 -7.14	90.44 8.29 -5.38	92.80 8.37 -6.23	102.00 8.87 -11.02	112.03 9.20 -19.17	140.11 9.30 -48.44	174.78 13.31 -39.39	146.34 9.91 -47.91	134.22 9.75 -38.92	124.52 9.69 -29.00	108.20 8.63 -17.38	106.66 8.19 -16.52	101.79 7.69 -12.24
NYPA__HOLTSVILL 23794	80.50 6.79 -9.00	78.03 6.57 -8.33	77.59 6.69 -5.30	77.53 6.62 -5.32	78.35 6.63 -6.07	86.07 6.62 -16.95	105.77 7.90 -27.92	125.34 10.20 -32.88	108.58 10.29 -15.92	94.11 9.92 -4.15	98.92 10.36 -6.38	90.79 9.46 -6.24	90.70 9.75 -4.18	91.79 9.69 -3.90	98.66 10.51 -6.04	111.00 11.13 -16.21	131.82 11.20 -38.25	176.19 16.60 -37.50	153.94 12.39 -53.03	139.06 12.14 -41.37	130.90 11.92 -33.16	125.19 10.61 -32.39	118.82 10.24 -26.63	107.35 10.07 -15.42
NYPA__HELLGATE_GT1 24158	69.06 4.34 -0.01	67.29 4.17 0.01	69.65 4.07 0.01	69.65 4.07 0.01	69.65 4.01 0.01	66.87 4.37 0.01	88.32 5.39 -12.98	107.73 7.08 -18.38	101.37 7.74 -11.28	87.88 7.85 0.01	92.08 8.55 -1.34	85.01 7.74 -2.18	84.94 8.06 -0.11	86.25 8.06 0.01	91.63 8.54 -0.98	99.07 8.86 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.33 -35.17	121.64 9.36 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.49 7.28 -11.35
NYPA__HELLGATE_GT2 24159	69.06 4.34 -0.01	67.29 4.17 0.01	69.65 4.07 0.01	69.65 4.07 0.01	69.65 4.01 0.01	66.87 4.37 0.01	88.32 5.39 -12.98	107.73 7.08 -18.38	101.37 7.74 -11.28	87.88 7.85 0.01	92.08 8.55 -1.34	85.01 7.74 -2.18	84.94 8.06 -0.11	86.25 8.06 0.01	91.63 8.54 -0.98	99.07 8.86 -6.55	126.60 8.98 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.33 -35.17	121.64 9.36 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.49 7.28 -11.35
NYS_BARGE__HYD 23848	57.47 -7.25 0.00	56.12 -7.01 0.00	57.92 -7.67 0.00	58.05 -7.54 0.00	58.17 -7.49 0.00	56.19 -6.31 0.00	65.19 -4.76 0.00	75.28 -6.99 0.00	75.16 -7.74 -0.55	71.87 -8.16 0.00	73.11 -9.29 -0.21	66.30 -9.09 -0.29	67.27 -9.52 -0.02	68.73 -9.46 0.00	72.06 -10.18 -0.13	74.99 -9.54 -0.87	75.40 -9.97 -3.00	107.58 -15.51 -1.00	82.54 -10.18 -4.19	78.46 -9.92 -2.83	79.30 -9.70 -3.18	74.91 -9.53 -2.24	74.16 -9.59 -1.80	75.24 -8.43 -1.81



OAK ORCHARD___HYD 24046	60.90 -3.82 0.00	59.35 -3.79 0.00	61.46 -4.13 0.00	61.59 -4.00 0.00	61.72 -3.94 0.00	59.32 -3.19 0.00	68.13 -1.82 0.00	79.56 -2.71 0.00	79.50 -3.30 -0.44	76.36 -3.68 0.00	78.50 -3.86 -0.18	71.48 -3.91 -0.30	72.18 -4.60 -0.02	73.74 -4.45 0.00	77.89 -4.35 -0.13	80.86 -3.68 -0.88	81.02 -4.03 -2.69	115.52 -6.71 -0.15	87.91 -3.89 -3.27	83.42 -4.02 -1.89	85.40 -3.60 -3.18	80.37 -3.70 -1.87	79.51 -3.93 -1.50	79.93 -3.44 -1.51
OAKDALE___35_KV_LOAD 356122	64.46 -0.26 0.00	62.94 -0.19 0.00	65.39 -0.20 0.00	65.39 -0.20 0.00	65.53 -0.13 0.00	62.63 0.13 0.00	77.23 1.12 -6.16	92.07 1.07 -8.73	88.45 0.91 -5.18	80.68 0.64 0.00	82.73 0.08 -0.46	75.75 -0.08 -0.74	76.96 0.15 -0.04	78.51 0.31 0.00	82.52 0.08 -0.33	86.19 0.33 -2.20	90.30 0.41 -7.53	125.24 0.85 -2.30	99.57 0.80 -10.25	93.13 0.77 -6.81	94.48 0.60 -8.06	87.28 0.25 -4.84	85.82 0.00 -3.87	86.00 0.25 -3.90
OCC_CHEM___DRP 24175	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.52 -8.14 0.00	55.69 -6.81 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.22 -10.19 -0.22	65.61 -9.76 -0.28	66.27 -10.52 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	73.87 -10.62 -0.83	74.47 -10.79 -2.90	105.66 -17.46 -1.03	81.23 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.81 -3.05	74.06 -10.44 -2.30	73.30 -10.49 -1.84	74.54 -9.17 -1.85
OH_GEN_PROXY 24063	57.53 -7.19 0.00	56.19 -6.94 0.00	57.98 -7.61 0.00	58.05 -7.54 0.00	58.17 -7.49 0.00	56.82 -6.38 -0.69	64.08 -5.18 0.69	59.04 -7.40 15.82	59.01 -8.15 15.19	59.01 -8.40 12.62	58.97 -9.37 13.85	58.94 -9.01 7.14	59.04 -9.60 8.13	58.97 -9.54 9.69	59.05 -10.18 12.87	59.49 -9.54 14.63	64.83 -9.97 7.57	79.34 -15.75 27.00	69.21 -10.27 9.05	67.45 -10.10 8.00	65.60 -9.79 10.43	61.25 -9.45 11.50	59.02 -9.50 13.42	73.61 -8.26 -0.01
OLIN_CORP_DRP 24177	56.69 -8.02 0.00	55.43 -7.70 0.00	57.13 -8.46 0.00	57.26 -8.33 0.00	57.38 -8.27 0.00	55.63 -6.88 0.00	64.08 -5.88 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.57	70.67 -9.36 0.00	71.97 -10.44 -0.22	65.40 -9.99 -0.29	66.20 -10.59 -0.02	67.64 -10.56 0.00	70.91 -11.33 -0.13	73.65 -10.88 -0.86	74.41 -10.95 -3.00	105.42 -17.70 -1.04	81.14 -11.69 -4.30	77.11 -11.38 -2.94	77.91 -11.07 -3.16	73.83 -10.69 -2.32	73.07 -10.74 -1.86	74.23 -9.50 -1.87
OLIN_CORP_DSASP 323712	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.45 -8.21 0.00	55.51 -7.00 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.21 -10.19 -0.22	65.61 -9.76 -0.28	66.28 -10.51 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	74.03 -10.46 -0.83	74.14 -11.12 -2.90	105.65 -17.46 -1.03	81.24 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.82 -3.05	73.98 -10.52 -2.30	73.30 -10.49 -1.84	74.55 -9.17 -1.85
ONEIDA_HERK_LFGE 323681	65.62 0.91 0.00	64.08 0.95 0.00	66.58 0.99 0.00	66.58 0.99 0.00	66.70 1.05 0.00	63.88 1.37 0.00	71.91 1.96 0.00	84.73 2.47 0.00	84.83 2.47 0.00	81.96 1.92 0.00	84.04 1.81 -0.04	76.66 1.50 -0.07	78.46 1.69 0.00	80.07 1.87 0.00	84.27 2.13 -0.03	86.21 2.34 -0.22	85.25 2.22 -0.66	123.94 3.79 1.94	91.60 2.92 -0.16	88.29 2.74 -0.01	89.34 2.75 -0.78	85.13 2.46 -0.46	84.53 2.21 -0.37	84.36 2.12 -0.37
ONEIDA___115KV_TB4 55905	66.20 1.49 0.00	64.65 1.52 0.00	67.17 1.57 0.00	67.17 1.57 0.00	67.30 1.64 0.00	64.50 2.00 0.00	72.96 3.01 0.00	85.89 3.62 0.00	85.98 3.62 0.00	83.16 3.12 0.00	85.15 2.88 -0.09	77.71 2.48 -0.14	79.47 2.69 -0.01	81.09 2.89 0.00	85.37 3.20 -0.06	87.51 3.43 -0.42	86.93 3.29 -1.27	127.34 5.25 0.00	93.01 3.90 -0.59	89.24 3.68 -0.01	91.10 3.78 -1.50	86.39 3.29 -0.90	85.62 2.95 -0.72	85.53 2.95 -0.73
ONONDAGA_REF_OCCRA 23987	63.94 -0.78 0.00	62.37 -0.76 0.00	64.74 -0.85 0.00	64.74 -0.85 0.00	64.93 -0.72 0.00	62.07 -0.44 0.00	70.30 0.35 0.00	82.68 0.41 0.00	82.60 0.25 0.00	80.12 0.08 0.00	82.27 -0.08 -0.17	75.06 -0.30 -0.27	76.48 -0.31 -0.01	78.04 -0.16 0.00	82.07 -0.16 -0.12	84.55 0.08 -0.81	84.92 0.08 -2.47	122.33 0.24 0.00	90.11 0.44 -1.14	85.91 0.34 -0.02	88.99 0.26 -2.92	83.95 0.00 -1.75	83.10 -0.25 -1.40	83.02 -0.25 -1.41
ONONDAGA___COGEN 23986	64.07 -0.65 0.00	62.50 -0.63 0.00	64.94 -0.66 0.00	64.94 -0.66 0.00	65.07 -0.59 0.00	62.19 -0.31 0.00	70.51 0.56 0.00	82.84 0.58 0.00	82.77 0.41 0.00	80.28 0.24 0.00	82.43 0.08 -0.16	75.20 -0.15 -0.26	76.63 -0.15 -0.01	78.20 0.00 0.00	82.31 0.08 -0.12	84.77 0.33 -0.77	84.97 0.25 -2.35	122.58 0.49 0.00	90.24 0.62 -1.09	86.17 0.60 -0.02	89.12 0.51 -2.78	84.11 0.25 -1.67	83.20 -0.08 -1.33	83.20 0.00 -1.34
ONTARIO___LFGE 23819	63.29 -1.42 0.00	61.74 -1.39 0.00	64.02 -1.57 0.00	64.09 -1.51 0.00	64.27 -1.38 0.00	61.82 -0.69 0.00	70.93 0.98 0.00	82.85 0.58 0.00	83.07 0.17 -0.55	79.88 -0.16 0.00	81.50 -0.90 -0.21	74.09 -1.35 -0.35	75.41 -1.38 -0.02	77.18 -1.02 0.00	80.95 -1.32 -0.16	83.86 -0.84 -1.04	85.01 -0.90 -3.54	121.27 -1.83 -1.01	92.56 -0.44 -4.47	88.07 -0.34 -2.86	88.86 -0.77 -3.82	83.48 -0.98 -2.26	82.45 -1.31 -1.81	82.71 -0.98 -1.82
ORANGEVILLE_WT_PWR 323706	59.02 -5.70 0.00	57.70 -5.43 0.00	59.56 -6.03 0.00	59.69 -5.90 0.00	59.81 -5.84 0.00	57.75 -4.75 0.00	66.66 -3.29 0.00	77.25 -5.02 0.00	77.45 -5.60 -0.69	74.12 -5.92 0.00	74.89 -7.56 -0.27	67.96 -7.51 -0.38	69.27 -7.52 -0.02	70.69 -7.51 0.00	73.50 -8.78 -0.17	76.50 -8.28 -1.13	78.26 -7.99 -3.88	111.40 -11.96 -1.27	85.74 -8.14 -5.36	81.37 -7.78 -3.60	81.87 -8.07 -4.12	77.02 -7.97 -2.79	75.91 -8.27 -2.24	76.91 -7.20 -2.25
ORANGEVILLE___ESR 323794	59.02 -5.70 0.00	57.70 -5.43 0.00	59.56 -6.03 0.00	59.69 -5.90 0.00	59.81 -5.84 0.00	57.75 -4.75 0.00	66.66 -3.29 0.00	77.25 -5.02 0.00	77.45 -5.60 -0.69	74.12 -5.92 0.00	74.89 -7.56 -0.27	67.96 -7.51 -0.38	69.27 -7.52 -0.02	70.69 -7.51 0.00	73.50 -8.78 -0.17	76.50 -8.28 -1.13	78.26 -7.99 -3.88	111.40 -11.96 -1.27	85.74 -8.14 -5.36	81.37 -7.78 -3.60	81.87 -8.07 -4.12	77.02 -7.97 -2.79	75.91 -8.27 -2.24	76.91 -7.20 -2.25
OSWEGATCHIE___HYD 24044	64.13 -0.58 0.00	62.44 -0.69 0.00	64.81 -0.78 0.00	64.87 -0.72 0.00	64.87 -0.78 0.00	61.94 -0.56 0.00	68.83 -1.12 0.00	80.54 -1.73 0.00	80.47 -1.89 0.00	77.71 -2.32 0.00	79.92 -2.30 -0.04	73.05 -2.10 -0.06	75.01 -1.76 0.00	76.40 -1.80 0.00	80.49 -1.64 -0.03	82.25 -1.59 -0.18	81.02 -1.89 -0.55	100.74 -3.42 17.93	85.22 -2.21 1.09	83.50 -2.05 0.00	84.32 -2.14 -0.65	81.51 -1.07 -0.39	81.28 -0.98 -0.31	81.44 -0.74 -0.31
OSWEGO___5 23606	62.39 -2.33 0.00	60.86 -2.27 0.00	63.23 -2.36 0.00	63.23 -2.36 0.00	63.36 -2.30 0.00	60.44 -2.06 0.00	68.13 -1.82 0.00	80.05 -2.22 0.00	80.05 -2.31 0.00	77.64 -2.40 0.00	79.80 -2.46 -0.08	72.82 -2.41 -0.13	74.25 -2.53 -0.01	75.69 -2.51 0.00	79.62 -2.55 -0.06	81.62 -2.43 -0.40	81.10 -2.47 -1.20	118.43 -3.66 0.00	86.60 -2.48 -0.56	83.16 -2.39 -0.01	84.84 -2.40 -1.42	80.57 -2.46 -0.84	80.08 -2.54 -0.67	80.00 -2.54 -0.67



OSWEGO___6 23613	62.39 -2.33 0.00	60.86 -2.27 0.00	63.23 -2.36 0.00	63.23 -2.36 0.00	63.36 -2.30 0.00	60.44 -2.06 0.00	68.13 -1.82 0.00	80.05 -2.22 0.00	80.05 -2.31 0.00	77.64 -2.40 0.00	79.80 -2.46 -0.08	72.82 -2.41 -0.13	74.25 -2.53 -0.01	75.69 -2.51 0.00	79.62 -2.55 -0.06	81.62 -2.43 -0.40	81.10 -2.47 -1.20	118.43 -3.66 0.00	86.60 -2.48 -0.56	83.16 -2.39 -0.01	84.84 -2.40 -1.42	80.57 -2.46 -0.84	80.08 -2.54 -0.67	80.00 -2.54 -0.67
OUTOKUMPU-AB___DRP 24206	58.11 -6.60 0.00	56.82 -6.31 0.00	58.64 -6.95 0.00	58.77 -6.82 0.00	58.83 -6.83 0.00	57.07 -5.44 0.00	65.89 -4.06 0.00	76.10 -6.17 0.00	76.01 -6.92 -0.57	72.75 -7.28 0.00	73.86 -8.55 -0.22	67.05 -8.33 -0.30	68.12 -8.68 -0.02	69.52 -8.68 0.00	72.72 -9.52 -0.14	75.58 -8.95 -0.88	76.44 -8.98 -3.05	108.85 -14.28 -1.05	83.40 -9.47 -4.34	79.36 -9.15 -2.96	80.02 -9.01 -3.22	75.74 -8.80 -2.34	74.81 -9.01 -1.87	75.97 -7.78 -1.88
OXBOW___BTM 323836	57.60 -7.12 0.00	56.25 -6.88 0.00	58.05 -7.54 0.00	58.18 -7.41 0.00	58.24 -7.42 0.00	56.25 -6.25 0.00	65.19 -4.76 0.00	75.19 -7.08 0.00	75.10 -7.83 -0.57	71.87 -8.16 0.00	73.21 -9.20 -0.22	66.44 -8.94 -0.29	67.34 -9.45 -0.02	68.73 -9.46 0.00	72.06 -10.18 -0.13	75.06 -9.45 -0.86	75.29 -10.05 -2.97	107.50 -15.63 -1.04	82.54 -10.27 -4.28	78.48 -10.01 -2.94	79.17 -9.79 -3.13	74.98 -9.53 -2.32	74.22 -9.59 -1.86	75.38 -8.35 -1.87
OXBOW____ 24026	57.53 -7.18 0.00	56.25 -6.88 0.00	58.05 -7.54 0.00	58.18 -7.41 0.00	58.24 -7.42 0.00	56.50 -6.00 0.00	65.12 -4.83 0.00	75.19 -7.08 0.00	75.10 -7.82 -0.57	71.87 -8.16 0.00	73.20 -9.21 -0.22	66.52 -8.86 -0.29	67.35 -9.44 -0.02	68.74 -9.46 0.00	72.06 -10.18 -0.13	74.89 -9.62 -0.86	75.62 -9.72 -2.97	107.50 -15.63 -1.04	82.54 -10.27 -4.28	78.48 -10.01 -2.94	79.17 -9.78 -3.13	75.07 -9.45 -2.32	74.22 -9.59 -1.86	75.38 -8.35 -1.87
OXY_CHEM_DSASP 323612	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.52 -8.14 0.00	55.69 -6.81 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.22 -10.19 -0.22	65.61 -9.76 -0.28	66.27 -10.52 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	73.87 -10.62 -0.83	74.47 -10.79 -2.90	105.66 -17.46 -1.03	81.23 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.81 -3.05	74.06 -10.44 -2.30	73.30 -10.49 -1.84	74.54 -9.17 -1.85
OZONE_PARK_ESR 323760	69.57 4.85 0.00	67.80 4.67 0.00	70.18 4.59 0.00	69.99 4.39 0.00	70.19 4.53 0.00	67.32 4.81 0.00	89.10 6.16 -12.99	108.64 7.98 -18.39	102.29 8.65 -11.28	88.68 8.64 0.00	92.73 9.21 -1.34	85.69 8.41 -2.19	85.56 8.68 -0.11	86.88 9.28 0.00	92.36 9.79 -0.98	99.99 9.79 -6.54	127.33 9.72 -35.24	171.19 14.04 -35.06	143.11 10.45 -44.14	130.97 10.27 -35.15	122.49 10.21 -26.45	105.40 9.12 -14.08	101.74 8.52 -11.27	101.22 8.02 -11.34
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.52 -8.14 0.00	55.69 -6.81 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.22 -10.19 -0.22	65.61 -9.76 -0.28	66.27 -10.52 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	73.87 -10.62 -0.83	74.47 -10.79 -2.90	105.66 -17.46 -1.03	81.23 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.81 -3.05	74.06 -10.44 -2.30	73.30 -10.49 -1.84	74.54 -9.17 -1.85
PACKARD__115KV_DUPONT_184 80571	56.82 -7.90 0.00	55.49 -7.64 0.00	57.26 -8.33 0.00	57.39 -8.20 0.00	57.52 -8.14 0.00	55.69 -6.81 0.00	64.15 -5.81 0.00	73.96 -8.31 0.00	73.86 -9.06 -0.56	70.75 -9.28 0.00	72.22 -10.19 -0.22	65.61 -9.76 -0.28	66.27 -10.52 -0.02	67.64 -10.56 0.00	71.07 -11.17 -0.13	73.87 -10.62 -0.83	74.47 -10.79 -2.90	105.66 -17.46 -1.03	81.23 -11.51 -4.22	77.16 -11.29 -2.91	78.05 -10.81 -3.05	74.06 -10.44 -2.30	73.30 -10.49 -1.84	74.54 -9.17 -1.85
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	69.12 4.40 -0.01	67.35 4.23 0.01	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.87 4.38 0.01	88.40 5.46 -12.99	107.82 7.16 -18.39	101.54 7.91 -11.28	87.95 7.92 0.01	92.00 8.47 -1.34	85.01 7.73 -2.18	84.86 7.98 -0.11	86.17 7.98 0.01	91.63 8.54 -0.98	99.16 8.95 -6.55	126.52 8.90 -35.25	169.98 12.82 -35.07	142.24 9.56 -44.15	130.04 9.32 -35.17	121.64 9.35 -26.46	104.59 8.30 -14.09	101.10 7.87 -11.28	100.58 7.37 -11.35
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	69.77 5.05 -0.01	68.05 4.92 0.01	70.44 4.85 0.00	70.25 4.66 0.00	70.45 4.79 0.00	67.56 5.06 0.01	89.10 6.16 -12.99	108.64 7.98 -18.39	102.28 8.65 -11.28	88.67 8.64 0.01	92.74 9.21 -1.34	85.61 8.33 -2.18	85.48 8.60 -0.11	86.79 8.60 0.01	92.29 9.20 -0.98	99.83 9.62 -6.55	127.26 9.64 -35.25	171.08 13.92 -35.07	143.03 10.36 -44.15	130.81 10.09 -35.17	122.41 10.13 -26.46	105.33 9.04 -14.09	101.83 8.60 -11.28	101.40 8.19 -11.35
PATROON__115KV_TB1 80586	67.50 2.78 0.00	65.85 2.71 0.00	68.48 2.89 0.00	68.41 2.82 0.00	68.48 2.82 0.00	65.19 2.69 0.00	162.82 3.15 -89.72	213.09 3.78 -127.03	153.41 3.95 -67.10	84.12 4.08 0.00	88.07 4.11 -1.77	81.67 3.68 -2.90	80.76 3.84 -0.15	82.11 3.91 0.00	87.26 3.86 -1.29	95.92 3.60 -8.66	111.13 3.13 -25.64	128.37 4.27 -2.01	151.43 3.19 -59.72	132.64 3.17 -43.93	119.97 3.18 -30.98	103.96 3.12 -18.63	100.55 3.69 -14.92	100.80 3.93 -15.01
PATTRSNVILLE__SOLAR 323815	67.50 2.78 0.00	65.78 2.65 0.00	68.47 2.88 0.00	68.47 2.88 0.00	68.54 2.89 0.00	65.32 2.82 0.00	224.24 3.64 -150.65	299.93 4.36 -213.31	197.28 4.28 -110.64	83.80 3.76 0.00	87.50 3.45 -1.86	81.15 3.01 -3.05	80.08 3.15 -0.16	81.56 3.36 0.00	87.08 3.61 -1.36	96.95 4.18 -9.11	113.80 4.44 -26.99	132.81 6.96 -3.77	178.07 5.13 -84.41	156.65 4.96 -66.14	123.28 4.89 -32.57	106.23 4.44 -19.59	101.81 4.18 -15.68	101.65 4.01 -15.78
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	59.60 -5.11 0.00	58.33 -4.80 0.00	60.08 -5.51 0.00	60.21 -5.38 0.00	60.34 -5.32 0.00	58.50 -4.00 0.00	67.50 -2.45 0.00	77.66 -4.61 0.00	77.71 -5.27 -0.63	74.44 -5.60 0.00	73.31 -9.12 -0.24	66.71 -8.71 -0.33	69.73 -7.06 -0.02	71.16 -7.04 0.00	72.65 -9.61 -0.15	75.18 -9.45 -0.98	76.86 -8.90 -3.38	111.76 -11.48 -1.15	84.19 -9.12 -4.79	80.59 -8.21 -3.25	80.04 -9.35 -3.58	75.37 -9.37 -2.55	74.24 -9.75 -2.04	75.48 -8.43 -2.05
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	69.57 4.85 0.00	67.80 4.67 0.00	70.38 4.79 0.00	70.18 4.59 0.00	70.32 4.66 0.00	67.32 4.81 0.00	89.56 6.02 -13.60	109.25 7.73 -19.25	102.18 8.07 -11.75	87.88 7.84 0.00	91.84 8.30 -1.35	84.81 7.51 -2.21	84.56 7.68 -0.12	85.94 7.74 0.00	91.39 8.29 -0.99	99.04 8.78 -6.60	126.79 9.06 -35.36	170.08 13.06 -34.93	142.91 9.91 -44.47	130.50 9.58 -35.37	122.10 9.61 -26.66	104.96 8.55 -14.21	101.36 8.03 -11.38	100.76 7.45 -11.45
PEEKSKILL____ 23653	68.47 3.75 0.00	66.73 3.60 0.00	69.26 3.67 0.00	69.26 3.67 0.00	69.27 3.61 0.00	66.32 3.81 0.00	87.61 4.82 -12.84	106.69 6.25 -18.18	100.27 6.75 -11.15	86.76 6.72 0.00	90.74 7.23 -1.32	83.86 6.61 -2.16	83.71 6.83 -0.11	85.08 6.88 0.00	90.38 7.31 -0.96	97.65 7.53 -6.46	124.69 7.66 -34.66	167.51 11.11 -34.32	140.26 8.32 -43.42	128.21 8.13 -34.53	119.98 8.06 -26.10	103.25 7.15 -13.91	99.80 6.72 -11.13	99.28 6.22 -11.20



PGE MADISON___WINDPWR 24146	68.86 4.15 0.00	67.23 4.10 0.00	69.66 4.07 0.00	69.79 4.20 0.00	69.86 4.21 0.00	67.51 5.00 0.00	86.03 7.14 -8.94	103.65 8.72 -12.66	98.05 8.48 -7.21	87.08 7.04 0.00	88.96 6.33 -0.44	81.22 5.41 -0.72	82.80 5.99 -0.04	84.53 6.33 0.00	89.33 6.90 -0.32	93.49 7.69 -2.14	97.43 7.74 -7.33	137.60 13.19 -2.33	109.77 9.83 -11.42	102.74 9.24 -7.95	102.95 9.27 -7.86	95.09 8.22 -4.67	93.07 7.38 -3.74	93.15 7.53 -3.76
PIERCEFIELD___HYD 23852	64.33 -0.39 0.00	62.50 -0.63 0.00	64.80 -0.79 0.00	64.94 -0.66 0.00	64.80 -0.85 0.00	61.63 -0.88 0.00	67.50 -2.45 0.00	78.32 -3.95 0.00	78.24 -4.12 0.00	75.88 -4.16 0.00	78.24 -3.95 0.00	71.56 -3.53 0.00	73.70 -3.07 0.00	74.99 -3.21 0.00	78.82 -3.28 0.00	79.98 -3.68 0.00	78.33 -4.04 0.00	87.18 -7.81 27.10	81.45 -5.05 2.03	80.67 -4.88 0.00	81.01 -4.81 0.00	79.40 -2.79 0.00	79.90 -2.05 0.00	80.22 -1.64 0.00
PINELAWN_CC_1 323563	81.02 6.41 -9.90	78.51 6.19 -9.19	78.26 6.30 -6.37	78.21 6.23 -6.39	78.94 6.24 -7.04	85.73 6.38 -16.84	106.42 7.76 -28.71	127.53 9.87 -35.40	112.48 10.21 -19.91	95.02 10.00 -4.98	104.69 10.36 -12.14	95.34 9.39 -10.87	95.27 9.67 -8.82	96.25 9.69 -8.36	104.43 10.51 -11.81	117.12 11.04 -22.42	134.42 10.38 -41.68	177.00 14.64 -40.27	159.94 10.97 -60.44	144.94 10.95 -48.44	137.52 10.90 -40.80	127.15 9.78 -35.17	120.98 10.08 -28.95	110.41 9.65 -18.89
PJM_GEN_HTP_PROXY 323702	68.98 4.27 0.00	67.23 4.10 0.00	69.73 4.13 0.00	69.66 4.07 0.00	69.66 4.01 0.00	67.51 4.31 -0.69	87.71 5.46 -12.30	107.73 7.08 -18.39	101.38 7.74 -11.28	87.80 7.76 0.00	91.91 8.39 -1.34	84.86 7.58 -2.19	84.79 7.91 -0.11	86.09 7.89 0.00	91.54 8.46 -0.98	98.90 8.70 -6.54	126.42 8.82 -35.24	169.72 12.58 -35.05	142.04 9.38 -44.13	129.86 9.16 -35.15	121.46 9.19 -26.45	104.34 8.06 -14.08	100.92 7.70 -11.27	100.32 7.12 -11.34
PJM_GEN_KEystone 24065	43.95 -0.71 20.05	42.21 -0.69 20.23	41.74 -1.38 22.47	41.74 -1.31 22.54	44.27 -1.31 20.07	48.77 -0.75 12.99	72.09 0.35 -1.79	89.89 -0.08 -7.70	66.76 -0.08 15.52	54.41 -0.24 25.39	50.56 -0.98 30.65	47.85 -1.12 26.11	45.62 -0.69 30.46	44.32 -0.63 33.25	43.76 -1.23 37.12	45.45 -0.92 37.29	59.35 -0.82 22.19	78.18 -0.98 42.93	71.07 -0.62 16.84	65.93 -0.51 19.11	60.62 -0.77 24.43	55.32 -1.15 25.73	51.83 -1.39 28.73	48.55 -0.33 32.98
PJM_GEN_NEPTUNE_PROXY 323594	72.50 5.44 -2.35	70.55 5.24 -2.18	72.35 5.38 -1.38	72.28 5.31 -1.38	72.49 5.25 -1.58	73.09 5.44 -5.15	92.89 6.65 -16.29	112.99 8.40 -22.33	103.91 8.90 -12.65	89.92 8.80 -1.07	94.18 9.12 -2.87	86.92 8.41 -3.42	86.79 8.67 -1.35	88.07 8.68 -1.19	93.82 9.19 -2.52	102.60 9.62 -9.33	128.00 9.47 -36.16	171.93 14.03 -35.81	145.64 10.35 -46.76	132.70 10.09 -37.06	124.45 10.12 -28.50	110.37 9.12 -19.04	106.16 8.77 -15.43	102.67 8.26 -12.54
PJM_GEN_VFT_PROXY 323633	68.60 3.88 0.00	66.86 3.72 0.00	69.26 3.67 0.00	69.26 3.67 0.00	69.20 3.54 0.00	67.20 4.00 -0.69	87.29 5.04 -12.30	107.24 6.58 -18.39	100.97 7.33 -11.28	87.40 7.36 0.00	91.49 7.97 -1.34	84.56 7.28 -2.19	84.41 7.53 -0.11	85.71 7.51 0.00	91.14 8.05 -0.98	98.48 8.28 -6.54	126.09 8.49 -35.24	169.12 11.97 -35.06	141.60 8.94 -44.14	129.52 8.81 -35.15	121.03 8.76 -26.45	104.00 7.72 -14.08	100.51 7.29 -11.27	99.99 6.79 -11.34
PLATSBURG_115KV_PMLD1 355749	64.26 -0.45 0.00	62.37 -0.76 0.00	64.74 -0.85 0.00	64.74 -0.85 0.00	64.67 -0.98 0.00	61.63 -0.88 0.00	67.36 -2.59 0.00	78.16 -4.11 0.00	78.16 -4.20 0.00	75.88 -4.16 0.00	79.15 -3.04 0.00	72.24 -2.85 0.00	73.93 -2.84 0.00	75.23 -2.97 0.00	79.07 -3.04 0.00	80.31 -3.35 0.00	79.32 -3.05 0.00	82.13 -5.86 34.10	81.19 -4.78 2.56	81.70 -3.85 0.00	81.36 -4.46 0.00	79.40 -2.79 0.00	79.66 -2.29 0.00	80.47 -1.39 0.00
PLEASANTVLY___LBMP 24000	68.47 3.75 0.00	66.79 3.66 0.00	69.33 3.74 0.00	69.20 3.61 0.00	69.33 3.68 0.00	66.25 3.75 0.00	88.16 4.69 -13.52	107.42 6.01 -19.15	100.61 6.51 -11.75	86.52 6.48 0.00	90.49 6.90 -1.40	83.69 6.31 -2.29	83.42 6.53 -0.12	84.69 6.49 0.00	90.03 6.90 -1.02	97.78 7.28 -6.84	127.04 7.25 -37.42	170.48 10.50 -37.89	143.26 7.88 -46.85	130.66 7.61 -37.50	121.24 7.64 -27.79	103.75 6.82 -14.73	100.13 6.39 -11.79	99.70 5.98 -11.87
PLSNTVLE_13_KV_13.8KVDIST 80602	68.86 4.14 0.00	67.17 4.04 0.00	69.66 4.07 0.00	69.46 3.87 0.00	69.66 4.01 0.00	66.63 4.13 0.00	88.27 5.25 -13.07	107.53 6.75 -18.51	101.05 7.33 -11.36	87.32 7.28 0.00	91.34 7.81 -1.34	84.43 7.13 -2.21	84.26 7.37 -0.11	85.55 7.35 0.00	90.89 7.80 -0.98	98.44 8.20 -6.58	126.16 8.24 -35.55	169.51 11.96 -35.46	141.99 8.94 -44.53	129.68 8.64 -35.49	121.13 8.67 -26.65	104.02 7.64 -14.18	100.51 7.21 -11.35	99.99 6.71 -11.42
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	68.86 4.14 0.00	67.17 4.04 0.00	69.66 4.07 0.00	69.46 3.87 0.00	69.66 4.01 0.00	66.63 4.13 0.00	88.27 5.25 -13.07	107.53 6.75 -18.51	101.05 7.33 -11.36	87.32 7.28 0.00	91.34 7.81 -1.34	84.43 7.13 -2.21	84.26 7.37 -0.11	85.55 7.35 0.00	90.89 7.80 -0.98	98.44 8.20 -6.58	126.16 8.24 -35.55	169.51 11.96 -35.46	141.99 8.94 -44.53	129.68 8.64 -35.49	121.13 8.67 -26.65	104.02 7.64 -14.18	100.51 7.21 -11.35	99.99 6.71 -11.42
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	69.12 4.40 0.00	67.43 4.29 0.00	69.99 4.39 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.94 4.44 0.00	90.46 5.53 -14.98	110.31 6.83 -21.22	102.47 7.25 -12.87	87.08 7.04 0.00	90.95 7.40 -1.37	84.02 6.68 -2.24	83.80 6.91 -0.12	85.16 6.96 0.00	90.58 7.47 -1.00	98.30 7.95 -6.70	125.50 7.99 -35.14	167.79 11.84 -33.86	142.01 8.85 -44.63	129.32 8.47 -35.30	121.22 8.50 -26.91	104.18 7.56 -14.42	100.70 7.21 -11.54	100.27 6.79 -11.61
POLETTI___ 23519	66.70 4.14 2.15	66.70 3.98 0.41	66.64 3.94 2.89	66.51 3.74 2.82	66.64 3.81 2.82	66.58 4.13 0.05	66.64 5.32 8.63	107.55 6.91 -18.37	101.29 7.66 -11.27	87.63 7.60 0.02	91.83 8.30 -1.34	84.86 7.58 -2.19	84.72 7.83 -0.11	86.02 7.82 0.00	91.46 8.38 -0.98	98.98 8.78 -6.54	126.34 8.73 -35.24	169.72 12.58 -35.06	141.96 9.30 -44.14	129.86 9.15 -35.15	121.46 9.18 -26.45	104.33 8.06 -14.08	100.84 7.62 -11.27	100.32 7.12 -11.34
POMONA___ESR 323819	68.21 3.49 0.00	66.48 3.34 0.00	69.00 3.41 0.00	68.93 3.34 0.00	68.94 3.28 0.00	66.13 3.62 0.00	87.05 4.54 -12.55	105.89 5.84 -17.78	99.61 6.34 -10.91	86.36 6.32 0.00	90.29 6.82 -1.29	83.43 6.23 -2.11	83.33 6.45 -0.11	84.69 6.49 0.00	89.95 6.90 -0.94	97.07 7.11 -6.30	123.16 7.25 -33.54	165.46 10.50 -32.87	138.42 7.88 -42.02	126.49 7.61 -33.33	118.87 7.64 -25.41	102.51 6.74 -13.57	99.12 6.31 -10.86	98.60 5.81 -10.93
PORT_JEFF_3 23555	80.78 7.05 -9.01	78.30 6.82 -8.35	77.80 6.89 -5.32	77.81 6.89 -5.33	78.63 6.89 -6.08	86.32 6.88 -16.94	106.20 8.32 -27.92	125.80 10.62 -32.91	109.13 10.79 -15.99	94.60 10.40 -4.16	99.42 10.76 -6.47	91.16 9.76 -6.31	91.15 10.13 -4.25	92.18 10.01 -3.97	99.16 10.92 -6.13	111.52 11.55 -16.31	132.37 11.69 -38.31	176.85 17.22 -37.54	154.50 12.83 -53.14	139.69 12.66 -41.48	131.54 12.44 -33.28	125.72 11.09 -32.43	119.26 10.65 -26.66	107.82 10.48 -15.47



PORT_JEFF_4 23616	80.78 7.05 -9.01	78.30 6.82 -8.35	77.80 6.89 -5.32	77.81 6.89 -5.33	78.63 6.89 -6.08	86.32 6.88 -16.94	106.20 8.32 -27.92	125.80 10.62 -32.91	109.13 10.79 -15.99	94.60 10.40 -4.16	99.42 10.76 -6.47	91.16 9.76 -6.31	91.15 10.13 -4.25	92.18 10.01 -3.97	99.16 10.92 -6.13	111.52 11.55 -16.31	132.37 11.69 -38.31	176.85 17.22 -37.54	154.50 12.83 -53.14	139.69 12.66 -41.48	131.54 12.44 -33.28	125.72 11.09 -32.43	119.26 10.65 -26.66	107.82 10.48 -15.47
PORT_JEFF_IC 23713	80.86 7.12 -9.03	78.38 6.88 -8.37	77.89 6.95 -5.35	77.71 6.76 -5.36	78.66 6.89 -6.11	86.44 7.00 -16.93	106.35 8.46 -27.94	125.93 10.69 -32.97	109.48 11.04 -16.09	94.70 10.48 -4.18	99.65 10.85 -6.61	91.35 9.84 -6.43	91.27 10.13 -4.36	92.29 10.01 -4.08	99.38 11.00 -6.27	111.75 11.63 -16.46	132.78 12.03 -38.39	176.91 17.21 -37.61	154.69 12.84 -53.32	139.95 12.75 -41.65	131.90 12.62 -33.47	126.03 11.34 -32.49	119.48 10.82 -26.71	107.98 10.56 -15.56
PPL PILGRIM_ST_GT1 24216	80.98 7.12 -9.15	78.56 6.94 -8.48	78.10 7.02 -5.49	78.04 6.95 -5.50	78.85 6.96 -6.24	86.48 7.06 -16.92	106.58 8.60 -28.03	126.48 10.94 -33.27	110.04 11.11 -16.57	95.06 10.73 -4.29	100.68 11.18 -7.31	92.21 10.13 -6.99	92.14 10.44 -4.93	93.22 10.40 -4.62	100.33 11.25 -6.97	112.75 11.87 -17.22	133.12 11.94 -38.81	177.73 17.70 -37.95	156.03 13.27 -54.23	140.98 12.92 -42.51	132.92 12.70 -34.40	126.37 11.35 -32.82	119.84 10.90 -26.99	108.32 10.48 -15.98
PPL PILGRIM_ST_GT2 24217	80.98 7.12 -9.15	78.56 6.94 -8.48	78.10 7.02 -5.49	78.04 6.95 -5.50	78.85 6.96 -6.24	86.48 7.06 -16.92	106.58 8.60 -28.03	126.48 10.94 -33.27	110.04 11.11 -16.57	95.06 10.73 -4.29	100.68 11.18 -7.31	92.21 10.13 -6.99	92.14 10.44 -4.93	93.22 10.40 -4.62	100.33 11.25 -6.97	112.75 11.87 -17.22	133.12 11.94 -38.81	177.73 17.70 -37.95	156.03 13.27 -54.23	140.98 12.92 -42.51	132.92 12.70 -34.40	126.37 11.35 -32.82	119.84 10.90 -26.99	108.32 10.48 -15.98
PPL_SHRM_GT3 24213	81.17 7.44 -9.02	78.68 7.19 -8.36	78.20 7.28 -5.33	78.15 7.22 -5.34	78.97 7.22 -6.09	86.69 7.25 -16.94	106.63 8.74 -27.93	126.48 11.27 -32.94	109.58 11.20 -16.03	94.94 10.73 -4.17	99.73 11.02 -6.53	91.28 9.83 -6.36	91.28 10.21 -4.30	92.31 10.09 -4.02	99.54 11.25 -6.19	111.99 11.96 -16.38	132.99 12.28 -38.34	178.21 18.55 -37.57	155.55 13.80 -53.22	140.53 13.43 -41.55	132.22 13.04 -33.36	126.25 11.59 -32.45	119.69 11.06 -26.69	108.34 10.97 -15.51
PPL_SHRM_GT4 24214	81.17 7.44 -9.02	78.68 7.19 -8.36	78.20 7.28 -5.33	78.15 7.22 -5.34	78.97 7.22 -6.09	86.69 7.25 -16.94	106.63 8.74 -27.93	126.48 11.27 -32.94	109.58 11.20 -16.03	94.94 10.73 -4.17	99.73 11.02 -6.53	91.28 9.83 -6.36	91.28 10.21 -4.30	92.31 10.09 -4.02	99.54 11.25 -6.19	111.99 11.96 -16.38	132.99 12.28 -38.34	178.21 18.55 -37.57	155.55 13.80 -53.22	140.53 13.43 -41.55	132.22 13.04 -33.36	126.25 11.59 -32.45	119.69 11.06 -26.69	108.34 10.97 -15.51
PROJECT___ORANGE 1 24174	63.49 -1.23 0.00	61.93 -1.20 0.00	64.34 -1.25 0.00	64.34 -1.25 0.00	64.47 -1.18 0.00	61.63 -0.88 0.00	69.81 -0.14 0.00	82.10 -0.16 0.00	82.11 -0.25 0.00	79.64 -0.40 0.00	81.75 -0.58 -0.14	74.56 -0.75 -0.22	76.02 -0.77 -0.01	77.57 -0.63 0.00	81.55 -0.66 -0.10	83.90 -0.42 -0.66	83.98 -0.41 -2.02	121.36 -0.73 0.00	89.20 -0.27 -0.94	85.31 -0.26 -0.02	87.86 -0.34 -2.39	83.05 -0.58 -1.43	82.27 -0.82 -1.14	82.28 -0.74 -1.15
PROJECT___ORANGE 2 24166	63.49 -1.23 0.00	61.93 -1.20 0.00	64.34 -1.25 0.00	64.34 -1.25 0.00	64.47 -1.18 0.00	61.63 -0.88 0.00	69.81 -0.14 0.00	82.10 -0.16 0.00	82.11 -0.25 0.00	79.64 -0.40 0.00	81.75 -0.58 -0.14	74.56 -0.75 -0.22	76.02 -0.77 -0.01	77.57 -0.63 0.00	81.55 -0.66 -0.10	83.90 -0.42 -0.66	83.98 -0.41 -2.02	121.36 -0.73 0.00	89.20 -0.27 -0.94	85.31 -0.26 -0.02	87.86 -0.34 -2.39	83.05 -0.58 -1.43	82.27 -0.82 -1.14	82.28 -0.74 -1.15
PUCKETT___SOLAR 323809	65.75 1.03 0.00	64.20 1.07 0.00	66.64 1.05 0.00	66.71 1.11 0.00	66.77 1.12 0.00	64.00 1.50 0.00	80.28 2.80 -7.53	96.13 3.21 -10.66	91.53 2.96 -6.21	82.44 2.40 0.00	84.47 1.81 -0.47	77.21 1.35 -0.76	78.50 1.69 -0.04	80.07 1.87 0.00	84.34 1.89 -0.34	88.28 2.34 -2.28	92.63 2.47 -7.79	128.78 4.27 -2.42	102.98 3.28 -11.18	96.19 3.08 -7.57	97.09 2.92 -8.35	89.57 2.39 -4.99	87.91 1.96 -3.99	88.09 2.21 -4.02
PYRITES___HYD 24023	65.43 0.71 0.00	63.64 0.51 0.00	65.98 0.39 0.00	66.18 0.59 0.00	66.05 0.39 0.00	63.00 0.50 0.00	69.11 -0.84 0.00	80.46 -1.81 0.00	80.46 -1.89 0.00	77.80 -2.24 0.00	80.13 -2.05 0.00	73.29 -1.80 0.00	75.39 -1.38 0.00	76.63 -1.56 0.00	80.63 -1.48 0.00	81.90 -1.76 0.00	80.39 -1.98 0.00	89.96 -4.27 27.85	83.96 -2.48 2.09	82.98 -2.57 0.00	83.42 -2.40 0.00	81.38 -0.82 0.00	81.62 -0.33 0.00	81.94 0.08 0.00
QUAKERRD_115KV_BK1 80622	60.18 -4.53 0.00	58.65 -4.48 0.00	60.80 -4.79 0.00	60.87 -4.72 0.00	61.06 -4.60 0.00	58.69 -3.81 0.00	67.08 -2.87 0.00	78.48 -3.78 0.00	78.16 -4.20 0.00	75.56 -4.48 0.00	77.68 -4.68 -0.17	70.80 -4.58 -0.29	71.57 -5.22 -0.01	73.12 -5.08 0.00	77.15 -5.09 -0.13	80.01 -4.52 -0.87	80.47 -4.53 -2.63	114.40 -7.69 0.00	84.96 -4.78 -1.22	80.78 -4.79 -0.02	84.38 -4.55 -3.11	79.40 -4.60 -1.81	78.64 -4.75 -1.45	78.90 -4.42 -1.46
QUENSBRY_115KV_TB8 356137	69.50 4.79 0.00	67.55 4.42 0.00	70.25 4.66 0.00	70.18 4.59 0.00	70.38 4.73 0.00	67.07 4.56 0.00	218.11 6.02 -142.15	290.69 7.16 -201.27	194.06 7.08 -104.62	86.68 6.64 0.00	90.41 6.41 -1.81	83.84 5.78 -2.97	82.84 5.91 -0.15	84.30 6.10 0.00	89.84 6.40 -1.32	99.56 7.03 -8.87	116.17 7.33 -26.48	137.56 11.48 -4.00	177.98 8.32 -81.13	157.04 8.04 -63.45	125.39 7.81 -31.76	108.27 6.99 -19.08	103.78 6.56 -15.27	103.61 6.39 -15.37
RAMAPO___LBMP 323565	68.08 3.37 0.00	66.35 3.22 0.00	68.87 3.28 0.00	68.74 3.15 0.00	68.87 3.22 0.00	65.88 3.38 0.00	86.87 4.41 -12.51	105.66 5.68 -17.71	99.40 6.18 -10.87	86.20 6.16 0.00	90.13 6.66 -1.28	83.28 6.08 -2.10	83.18 6.30 -0.11	84.45 6.26 0.00	89.70 6.65 -0.94	96.97 7.03 -6.28	122.76 7.00 -33.39	164.89 10.13 -32.67	137.97 7.61 -41.83	126.16 7.44 -33.16	118.52 7.38 -25.32	102.22 6.49 -13.52	98.92 6.15 -10.83	98.40 5.65 -10.89
RANKINE____ 23646	58.83 -5.89 0.00	57.51 -5.62 0.00	59.29 -6.30 0.00	59.43 -6.17 0.00	59.55 -6.11 0.00	57.75 -4.75 0.00	66.66 -3.29 0.00	76.92 -5.35 0.00	76.96 -6.01 -0.61	73.63 -6.40 0.00	74.04 -8.38 -0.24	67.22 -8.18 -0.32	68.88 -7.91 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.82 -8.78 -0.94	77.07 -8.57 -3.27	110.26 -12.94 -1.12	84.23 -8.94 -4.65	80.25 -8.47 -3.17	80.52 -8.75 -3.45	76.05 -8.63 -2.48	75.01 -8.93 -1.99	76.25 -7.61 -2.00
RAVENSWOOD_GT2_1 24244	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.47 5.53 -12.99	107.82 7.16 -18.39	101.47 7.82 -11.29	87.88 7.84 0.00	91.99 8.47 -1.34	84.94 7.66 -2.19	84.87 7.98 -0.11	86.17 7.98 0.00	91.62 8.54 -0.98	99.15 8.95 -6.54	126.51 8.90 -35.24	169.97 12.82 -35.07	142.23 9.56 -44.14	130.03 9.32 -35.16	121.63 9.35 -26.46	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.29 -11.34



RAVENSWOOD_GT2_2 24245	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.47 5.53 -12.99	107.82 7.16 -18.39	101.47 7.82 -11.29	87.88 7.84 0.00	91.99 8.47 -1.34	84.94 7.66 -2.19	84.87 7.98 -0.11	86.17 7.98 0.00	91.62 8.54 -0.98	99.15 8.95 -6.54	126.51 8.90 -35.24	169.97 12.82 -35.07	142.23 9.56 -44.14	130.03 9.32 -35.16	121.63 9.35 -26.46	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.29 -11.34
RAVENSWOOD_GT2_3 24246	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.66 4.07 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.90 7.24 -18.39	101.55 7.91 -11.29	87.96 7.92 0.00	91.99 8.47 -1.34	85.01 7.73 -2.19	84.87 7.98 -0.11	86.17 7.98 0.00	91.62 8.54 -0.98	99.15 8.95 -6.54	126.59 8.98 -35.24	169.97 12.82 -35.07	142.23 9.56 -44.14	130.12 9.41 -35.16	121.63 9.35 -26.46	104.58 8.30 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
RAVENSWOOD_GT2_4 24247	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.66 4.07 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.54 5.60 -12.99	107.90 7.24 -18.39	101.55 7.91 -11.29	87.96 7.92 0.00	91.99 8.47 -1.34	85.01 7.73 -2.19	84.87 7.98 -0.11	86.17 7.98 0.00	91.62 8.54 -0.98	99.15 8.95 -6.54	126.59 8.98 -35.24	169.97 12.82 -35.07	142.23 9.56 -44.14	130.12 9.41 -35.16	121.63 9.35 -26.46	104.58 8.30 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
RAVENSWOOD_GT3_1 24248	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.47 5.53 -12.99	107.82 7.16 -18.39	101.55 7.91 -11.29	87.88 7.84 0.00	91.99 8.47 -1.34	84.94 7.66 -2.19	84.87 7.98 -0.11	86.17 7.98 0.00	91.62 8.54 -0.98	99.15 8.95 -6.54	126.51 8.90 -35.24	169.97 12.82 -35.07	142.23 9.56 -44.14	130.03 9.32 -35.16	121.63 9.35 -26.46	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.29 -11.34
RAVENSWOOD_GT3_2 24249	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.47 5.53 -12.99	107.82 7.16 -18.39	101.55 7.91 -11.29	87.88 7.84 0.00	91.99 8.47 -1.34	84.94 7.66 -2.19	84.87 7.98 -0.11	86.17 7.98 0.00	91.62 8.54 -0.98	99.15 8.95 -6.54	126.51 8.90 -35.24	169.97 12.82 -35.07	142.23 9.56 -44.14	130.03 9.32 -35.16	121.63 9.35 -26.46	104.58 8.30 -14.08	101.01 7.79 -11.27	100.49 7.29 -11.34
RAVENSWOOD_GT3_3 24250	69.18 4.47 0.00	67.43 4.29 0.00	69.85 4.26 0.00	69.72 4.13 0.00	69.86 4.20 0.00	66.94 4.44 0.00	88.61 5.67 -12.99	107.98 7.32 -18.39	101.63 7.99 -11.29	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	84.95 8.06 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.22 13.06 -35.07	142.32 9.65 -44.14	130.20 9.50 -35.16	121.72 9.44 -26.46	104.66 8.38 -14.08	101.17 7.95 -11.27	100.57 7.37 -11.34
RAVENSWOOD_GT3_4 24251	69.18 4.47 0.00	67.43 4.29 0.00	69.85 4.26 0.00	69.72 4.13 0.00	69.86 4.20 0.00	66.94 4.44 0.00	88.61 5.67 -12.99	107.98 7.32 -18.39	101.63 7.99 -11.29	88.04 8.00 0.00	92.07 8.55 -1.34	85.09 7.81 -2.19	84.95 8.06 -0.11	86.25 8.05 0.00	91.71 8.62 -0.98	99.32 9.12 -6.54	126.67 9.06 -35.24	170.22 13.06 -35.07	142.32 9.65 -44.14	130.20 9.50 -35.16	121.72 9.44 -26.46	104.66 8.38 -14.08	101.17 7.95 -11.27	100.57 7.37 -11.34
RAVENSWOOD_GT_1 23729	77.18 4.72 -7.74	75.44 4.55 -7.76	76.08 4.53 -5.96	75.75 4.39 -5.77	75.88 4.46 -5.76	75.38 4.75 -8.12	92.49 5.88 -16.66	114.29 7.65 -24.37	110.26 8.32 -19.58	104.08 8.32 -15.72	109.78 8.88 -18.72	95.35 8.11 -12.15	95.85 8.37 -10.71	99.11 8.37 -12.54	108.17 8.95 -17.11	125.07 9.45 -31.96	153.58 9.39 -61.82	179.42 13.55 -43.78	161.56 10.09 -62.94	149.35 9.84 -53.96	134.77 9.78 -39.17	119.26 8.71 -28.35	112.05 8.28 -21.83	103.85 7.78 -14.21
RAVENSWOOD_GT_10 24258	68.89 4.34 0.16	67.23 4.23 0.13	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.72 4.38 0.16	88.47 5.53 -12.99	107.82 7.16 -18.39	101.30 7.82 -11.12	87.09 7.84 0.79	90.78 8.38 -0.21	84.44 7.66 -1.69	84.34 7.98 0.42	85.47 7.90 0.63	90.53 8.46 0.04	97.87 8.95 -5.26	125.17 8.90 -33.91	169.54 12.82 -34.63	141.85 9.56 -43.76	129.65 9.32 -34.78	121.29 9.27 -26.20	104.17 8.22 -13.75	100.48 7.79 -10.74	100.40 7.29 -11.25
RAVENSWOOD_GT_11 24259	68.89 4.34 0.16	67.23 4.23 0.13	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.72 4.38 0.16	88.47 5.53 -12.99	107.82 7.16 -18.39	101.30 7.82 -11.12	87.09 7.84 0.79	90.78 8.38 -0.21	84.44 7.66 -1.69	84.34 7.98 0.42	85.47 7.90 0.63	90.53 8.46 0.04	97.87 8.95 -5.26	125.17 8.90 -33.91	169.54 12.82 -34.63	141.85 9.56 -43.76	129.65 9.32 -34.78	121.29 9.27 -26.20	104.17 8.22 -13.75	100.48 7.79 -10.74	100.40 7.29 -11.25
RAVENSWOOD_GT_4 24252	72.56 4.34 -3.51	71.19 4.17 -3.89	74.26 4.13 -4.54	73.92 3.94 -4.39	74.11 4.07 -4.38	70.50 4.31 -3.69	91.27 5.53 -15.79	112.37 7.16 -22.95	105.23 7.82 -15.05	87.81 7.76 -0.01	87.99 8.38 2.58	84.86 7.58 -2.18	84.79 7.91 -0.11	86.09 7.90 0.01	88.42 8.46 2.14	99.06 8.87 -6.53	126.43 8.81 -35.25	169.86 12.70 -35.07	150.68 9.47 -52.69	138.49 9.24 -43.70	127.32 9.27 -32.23	110.31 8.22 -19.90	100.92 7.70 -11.27	101.22 7.20 -12.15
RAVENSWOOD_GT_5 24254	72.56 4.34 -3.51	71.19 4.17 -3.89	74.26 4.13 -4.54	73.92 3.94 -4.39	74.11 4.07 -4.38	70.50 4.31 -3.69	91.27 5.53 -15.79	112.37 7.16 -22.95	105.23 7.82 -15.05	87.81 7.76 -0.01	87.99 8.38 2.58	84.86 7.58 -2.18	84.79 7.91 -0.11	86.09 7.90 0.01	88.42 8.46 2.14	99.06 8.87 -6.53	126.43 8.81 -35.25	169.86 12.70 -35.07	150.68 9.47 -52.69	138.49 9.24 -43.70	127.32 9.27 -32.23	110.31 8.22 -19.90	100.92 7.70 -11.27	101.22 7.20 -12.15
RAVENSWOOD_GT_6 24253	72.56 4.34 -3.51	71.19 4.17 -3.89	74.26 4.13 -4.54	73.92 3.94 -4.39	74.11 4.07 -4.38	70.50 4.31 -3.69	91.27 5.53 -15.79	112.37 7.16 -22.95	105.23 7.82 -15.05	87.81 7.76 -0.01	87.99 8.38 2.58	84.86 7.58 -2.18	84.79 7.91 -0.11	86.09 7.90 0.01	88.42 8.46 2.14	99.06 8.87 -6.53	126.43 8.81 -35.25	169.86 12.70 -35.07	150.68 9.47 -52.69	138.49 9.24 -43.70	127.32 9.27 -32.23	110.31 8.22 -19.90	100.92 7.70 -11.27	101.22 7.20 -12.15
RAVENSWOOD_GT_7 24255	72.56 4.34 -3.51	71.19 4.17 -3.89	74.26 4.13 -4.54	73.92 3.94 -4.39	74.11 4.07 -4.38	70.50 4.31 -3.69	91.27 5.53 -15.79	112.37 7.16 -22.95	105.23 7.82 -15.05	87.81 7.76 -0.01	87.99 8.38 2.58	84.86 7.58 -2.18	84.79 7.91 -0.11	86.09 7.90 0.01	88.42 8.46 2.14	99.06 8.87 -6.53	126.43 8.81 -35.25	169.86 12.70 -35.07	150.68 9.47 -52.69	138.49 9.24 -43.70	127.32 9.27 -32.23	110.31 8.22 -19.90	100.92 7.70 -11.27	101.22 7.20 -12.15
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	68.89 4.34 0.16	67.23 4.23 0.13	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.72 4.38 0.16	88.47 5.53 -12.99	107.82 7.16 -18.39	101.30 7.82 -11.12	87.09 7.84 0.79	90.78 8.38 -0.21	84.44 7.66 -1.69	84.34 7.98 0.42	85.47 7.90 0.63	90.53 8.46 0.04	97.87 8.95 -5.26	125.17 8.90 -33.91	169.54 12.82 -34.63	141.85 9.56 -43.76	129.65 9.32 -34.78	121.29 9.27 -26.20	104.17 8.22 -13.75	100.48 7.79 -10.74	100.40 7.29 -11.25



RAVENSWOOD_GT_9 24257	68.89 4.34 0.16	67.23 4.23 0.13	69.79 4.20 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.72 4.38 0.16	88.47 5.53 -12.99	107.82 7.16 -18.39	101.30 7.82 -11.12	87.09 7.84 0.79	90.78 8.38 -0.21	84.44 7.66 -1.69	84.34 7.98 0.42	85.47 7.90 0.63	90.53 8.46 0.04	97.87 8.95 -5.26	125.17 8.90 -33.91	169.54 12.82 -34.63	141.85 9.56 -43.76	129.65 9.32 -34.78	121.29 9.27 -26.20	104.17 8.22 -13.75	100.48 7.79 -10.74	100.40 7.29 -11.25
RAVENSWOOD___1 23533	70.99 4.72 -1.56	69.00 4.55 -1.32	70.11 4.52 0.00	70.11 4.52 0.00	70.06 4.40 0.00	68.88 4.75 -1.63	88.82 5.88 -12.99	108.22 7.56 -18.39	103.62 8.31 -12.95	96.10 8.25 -7.81	103.60 8.88 -12.54	90.35 8.11 -7.15	90.53 8.37 -5.38	92.81 8.37 -6.24	102.09 8.95 -11.03	112.04 9.20 -19.18	140.13 9.30 -48.45	174.91 13.43 -39.39	146.44 10.00 -47.91	134.23 9.75 -38.93	124.61 9.78 -29.01	108.29 8.71 -17.38	106.67 8.19 -16.52	101.80 7.69 -12.24
RAVENSWOOD___2 23534	70.99 4.72 -1.55	69.00 4.55 -1.32	70.11 4.52 0.00	70.05 4.46 0.00	70.06 4.40 0.00	68.88 4.75 -1.63	88.74 5.80 -12.99	108.22 7.56 -18.39	103.54 8.23 -12.95	96.07 8.25 -7.78	103.48 8.80 -12.49	90.26 8.04 -7.13	90.51 8.37 -5.37	92.79 8.37 -6.22	101.98 8.87 -11.00	112.00 9.20 -19.14	140.08 9.30 -48.40	174.89 13.43 -39.38	146.42 10.00 -47.90	134.21 9.75 -38.91	124.60 9.78 -29.00	108.19 8.63 -17.37	106.65 8.19 -16.50	101.79 7.69 -12.24
RAVENSWOOD___3 23535	69.12 4.40 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.79 4.20 0.00	69.80 4.14 0.00	66.94 4.44 0.00	88.54 5.60 -12.99	107.90 7.24 -18.39	101.55 7.91 -11.29	87.89 7.85 0.00	91.99 8.47 -1.34	85.02 7.74 -2.19	84.87 7.98 -0.11	86.18 7.98 0.00	91.62 8.54 -0.98	98.98 8.78 -6.54	126.51 8.90 -35.24	169.97 12.82 -35.07	142.23 9.56 -44.14	130.03 9.33 -35.16	121.63 9.36 -26.46	104.50 8.22 -14.08	101.01 7.79 -11.27	100.49 7.28 -11.34
RAVENSWOOD___4 23820	64.83 4.66 4.54	62.59 4.48 5.03	64.18 4.46 5.87	64.37 4.46 5.68	64.39 4.40 5.67	62.49 4.75 4.77	85.12 5.80 -9.37	102.33 7.56 -12.50	97.01 8.23 -6.42	88.28 8.25 0.01	97.39 8.80 -6.40	85.33 8.04 -2.20	85.19 8.29 -0.12	86.58 8.37 -0.01	95.99 8.87 -5.01	99.41 9.20 -6.55	126.91 9.30 -35.24	170.46 13.31 -35.06	131.62 10.00 -33.09	119.41 9.75 -24.11	114.51 9.69 -18.99	97.39 8.63 -6.56	101.42 8.19 -11.28	99.85 7.69 -10.30
RCPI_TRUST___DRP 24196	69.05 4.34 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.53 5.60 -12.99	107.90 7.24 -18.39	101.55 7.91 -11.28	87.96 7.92 0.00	92.15 8.63 -1.34	85.09 7.81 -2.19	84.95 8.06 -0.11	86.25 8.05 0.00	91.79 8.70 -0.98	99.32 9.12 -6.54	126.58 8.98 -35.24	170.08 12.94 -35.05	142.22 9.56 -44.13	130.02 9.32 -35.15	121.63 9.35 -26.45	104.58 8.30 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
RED___ROCHESTER 323720	61.28 -3.43 0.00	59.72 -3.41 0.00	61.86 -3.74 0.00	61.92 -3.67 0.00	62.11 -3.55 0.00	59.69 -2.81 0.00	68.62 -1.33 0.00	80.22 -2.05 0.00	80.24 -2.55 -0.44	77.00 -3.04 0.00	79.16 -3.21 -0.18	72.01 -3.38 -0.30	72.72 -4.07 -0.02	74.37 -3.83 0.00	78.46 -3.78 -0.13	81.53 -3.01 -0.89	81.76 -3.30 -2.69	116.62 -5.61 -0.15	88.68 -3.10 -3.26	84.18 -3.25 -1.88	86.17 -2.83 -3.18	80.93 -3.12 -1.86	80.15 -3.28 -1.49	80.49 -2.87 -1.50
REGAN___SOLAR 323812	69.70 4.98 0.00	67.80 4.67 0.00	70.51 4.92 0.00	70.51 4.92 0.00	70.64 4.99 0.00	67.51 5.00 0.00	217.40 6.65 -140.80	289.53 7.90 -199.36	193.16 7.33 -103.48	86.20 6.16 0.00	89.71 5.59 -1.93	82.92 4.66 -3.17	81.78 4.84 -0.17	83.44 5.24 0.00	89.11 5.59 -1.41	100.00 6.86 -9.48	117.94 7.33 -28.24	137.93 12.09 -3.75	178.08 8.85 -80.71	156.46 8.64 -62.28	128.16 8.42 -33.92	110.32 7.72 -20.39	105.40 7.13 -16.32	105.17 6.88 -16.43
RENSSELAER___COGEN 23796	67.17 2.46 0.00	65.53 2.40 0.00	68.15 2.56 0.00	68.15 2.56 0.00	68.21 2.56 0.00	64.88 2.37 0.00	138.70 2.66 -66.10	179.06 3.21 -93.59	135.91 3.38 -50.17	83.56 3.52 0.00	87.47 3.53 -1.75	81.11 3.15 -2.87	80.22 3.30 -0.15	81.56 3.36 0.00	86.59 3.20 -1.28	95.15 2.93 -8.57	110.03 2.47 -25.20	126.37 3.30 -0.99	140.92 2.39 -50.00	123.00 2.39 -35.06	118.83 2.40 -30.61	103.09 2.46 -18.43	99.90 3.19 -14.75	100.22 3.52 -14.85
REPUBLIC_115KV_BARTNBRK 55605	71.77 7.05 0.00	69.51 6.38 0.00	72.28 6.69 0.00	72.15 6.56 0.00	72.42 6.76 0.00	69.19 6.69 0.00	220.18 8.81 -141.41	293.11 10.61 -200.23	196.83 10.38 -104.10	89.64 9.60 0.00	93.20 9.21 -1.81	86.32 8.26 -2.97	85.22 8.29 -0.15	86.88 8.68 0.00	92.63 9.20 -1.32	102.65 10.12 -8.87	119.47 10.63 -26.47	143.07 16.97 -4.01	181.50 12.13 -80.85	160.39 11.63 -63.20	128.89 11.33 -31.74	111.29 10.03 -19.07	106.55 9.34 -15.26	106.31 9.09 -15.36
REVERE_CPPR_DRP 24186	66.66 1.94 0.00	65.09 1.96 0.00	67.56 1.97 0.00	67.56 1.97 0.00	67.76 2.10 0.00	65.00 2.50 0.00	73.45 3.50 0.00	86.55 4.28 0.00	86.64 4.28 0.00	83.64 3.60 0.00	85.71 3.45 -0.07	78.21 3.00 -0.12	80.08 3.30 -0.01	81.72 3.52 0.00	86.02 3.86 -0.05	88.20 4.18 -0.35	87.48 4.04 -1.08	128.56 6.47 0.00	93.89 4.87 -0.50	90.18 4.62 -0.01	91.73 4.63 -1.27	87.15 4.19 -0.76	86.33 3.77 -0.61	86.24 3.77 -0.61
REYNOLDS_115KV_TB3 80639	67.63 2.91 0.00	66.04 2.90 0.00	68.67 3.08 0.00	68.61 3.02 0.00	68.74 3.09 0.00	65.38 2.88 0.00	159.64 3.29 -86.40	208.47 3.87 -122.33	151.31 4.20 -64.75	84.44 4.40 0.00	88.30 4.36 -1.76	81.88 3.90 -2.88	80.99 4.07 -0.15	82.27 4.07 0.00	87.58 4.19 -1.29	96.45 4.18 -8.61	112.48 3.95 -26.16	131.14 5.62 -3.43	151.85 4.16 -59.16	133.18 4.02 -43.61	120.77 4.03 -30.92	104.50 3.78 -18.52	100.79 4.02 -14.82	100.71 3.93 -14.92
RIVERBAY____ 323610	69.77 5.05 -0.01	68.05 4.92 0.01	70.44 4.85 0.00	70.25 4.66 0.00	70.45 4.79 0.00	67.56 5.06 0.01	89.10 6.16 -12.99	108.64 7.98 -18.39	102.28 8.65 -11.28	88.67 8.64 0.01	92.74 9.21 -1.34	85.61 8.33 -2.18	85.48 8.60 -0.11	86.79 8.60 0.01	92.29 9.20 -0.98	99.83 9.62 -6.55	127.26 9.64 -35.25	171.08 13.92 -35.07	143.03 10.36 -44.15	130.81 10.09 -35.17	122.41 10.13 -26.46	105.33 9.04 -14.09	101.83 8.60 -11.28	101.40 8.19 -11.35
RIVERSDE_115KV_TB3 55908	67.43 2.72 0.00	65.78 2.65 0.00	68.41 2.82 0.00	68.35 2.75 0.00	68.48 2.82 0.00	65.13 2.63 0.00	151.38 3.01 -78.42	196.92 3.62 -111.03	145.24 3.87 -59.01	84.04 4.00 0.00	87.89 3.95 -1.76	81.58 3.60 -2.88	80.61 3.69 -0.15	81.95 3.75 0.00	87.17 3.78 -1.29	95.78 3.51 -8.61	110.98 3.13 -25.48	128.04 4.27 -1.68	146.86 3.19 -55.15	128.41 3.08 -39.78	119.70 3.09 -30.79	103.76 3.04 -18.52	100.38 3.61 -14.83	100.55 3.77 -14.92
ROARING___BROOK_WT_PWR 323790	63.35 -1.36 0.00	61.80 -1.33 0.00	64.21 -1.38 0.00	64.21 -1.38 0.00	64.27 -1.38 0.00	61.19 -1.32 0.00	68.07 -1.89 0.00	80.05 -2.22 0.00	80.14 -2.22 0.00	77.88 -2.16 0.00	80.05 -2.14 0.00	73.14 -1.95 0.00	74.77 -2.00 0.00	76.01 -2.19 0.00	79.81 -2.30 0.00	81.32 -2.34 0.00	80.06 -2.31 0.00	59.87 -3.54 58.67	81.47 -2.65 4.40	83.07 -2.48 0.00	83.42 -2.40 0.00	80.15 -2.05 0.00	80.15 -1.80 0.00	80.14 -1.72 0.00



ROCHESRG_115KV_T4 355643	60.64 -4.08 0.00	59.09 -4.04 0.00	61.20 -4.39 0.00	61.33 -4.26 0.00	61.45 -4.20 0.00	59.19 -3.31 0.00	67.71 -2.24 0.00	79.06 -3.21 0.00	78.65 -3.71 0.00	75.96 -4.08 0.00	78.09 -4.27 -0.17	71.18 -4.20 -0.30	71.80 -4.99 -0.01	73.35 -4.85 0.00	77.48 -4.76 -0.13	80.44 -4.10 -0.88	80.86 -4.20 -2.69	114.64 -7.45 0.00	85.34 -4.43 -1.24	81.12 -4.45 -0.02	84.96 -4.03 -3.18	79.93 -4.11 -1.84	79.08 -4.34 -1.47	79.58 -3.77 -1.48
ROCHESTER_9_IC 23652	60.96 -3.75 0.00	59.47 -3.66 0.00	61.59 -4.00 0.00	61.66 -3.94 0.00	61.78 -3.87 0.00	59.57 -2.94 0.00	68.20 -1.75 0.00	79.72 -2.55 0.00	79.67 -3.13 -0.44	76.52 -3.52 0.00	78.67 -3.70 -0.18	71.63 -3.75 -0.30	72.33 -4.45 -0.02	73.90 -4.30 0.00	78.05 -4.19 -0.13	81.03 -3.51 -0.89	81.43 -3.62 -2.69	115.76 -6.47 -0.15	88.07 -3.72 -3.26	83.66 -3.76 -1.88	85.57 -3.43 -3.18	80.52 -3.53 -1.86	79.67 -3.77 -1.49	80.08 -3.27 -1.50
ROCKVIEW_13_KV_LD 356306	69.12 4.40 0.00	67.36 4.23 0.00	69.85 4.26 0.00	69.66 4.07 0.00	69.79 4.14 0.00	66.82 4.31 0.00	88.54 5.60 -12.99	107.82 7.16 -18.39	101.38 7.74 -11.29	87.72 7.68 0.00	91.83 8.30 -1.34	84.86 7.58 -2.19	84.72 7.83 -0.11	86.02 7.82 0.00	91.46 8.38 -0.98	98.98 8.78 -6.54	126.34 8.73 -35.24	169.97 12.82 -35.06	142.14 9.47 -44.14	129.94 9.24 -35.16	121.46 9.18 -26.45	104.42 8.14 -14.08	100.92 7.70 -11.27	100.32 7.12 -11.34
ROME____115KV_TB2 80656	66.66 1.94 0.00	65.09 1.96 0.00	67.56 1.97 0.00	67.56 1.97 0.00	67.76 2.10 0.00	65.00 2.50 0.00	73.45 3.50 0.00	86.55 4.28 0.00	86.64 4.28 0.00	83.64 3.60 0.00	85.71 3.45 -0.07	78.21 3.00 -0.12	80.08 3.30 -0.01	81.72 3.52 0.00	86.02 3.86 -0.05	88.20 4.18 -0.35	87.48 4.04 -1.08	128.56 6.47 0.00	93.89 4.87 -0.50	90.18 4.62 -0.01	91.73 4.63 -1.27	87.15 4.19 -0.76	86.33 3.77 -0.61	86.24 3.77 -0.61
ROSETON___1 23587	68.34 3.62 0.00	66.60 3.47 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.13 3.48 0.00	66.13 3.62 0.00	87.36 4.54 -12.86	106.32 5.84 -18.21	99.87 6.34 -11.17	86.28 6.25 0.00	90.25 6.74 -1.32	83.41 6.16 -2.17	83.25 6.37 -0.11	84.53 6.33 0.00	89.81 6.73 -0.97	97.16 7.03 -6.47	124.19 7.08 -34.74	166.76 10.26 -34.41	139.73 7.70 -43.51	127.60 7.44 -34.61	119.43 7.46 -26.15	102.71 6.58 -13.93	99.32 6.23 -11.15	98.89 5.81 -11.22
ROSETON___2 23588	68.34 3.62 0.00	66.60 3.47 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.13 3.48 0.00	66.13 3.62 0.00	87.36 4.54 -12.86	106.32 5.84 -18.21	99.87 6.34 -11.17	86.28 6.25 0.00	90.25 6.74 -1.32	83.41 6.16 -2.17	83.25 6.37 -0.11	84.53 6.33 0.00	89.81 6.73 -0.97	97.16 7.03 -6.47	124.19 7.08 -34.74	166.76 10.26 -34.41	139.73 7.70 -43.51	127.60 7.44 -34.61	119.43 7.46 -26.15	102.71 6.58 -13.93	99.32 6.23 -11.15	98.89 5.81 -11.22
ROTRDAM_115KV_TB3 80664	67.04 2.33 0.00	65.34 2.21 0.00	68.02 2.43 0.00	67.95 2.36 0.00	68.09 2.43 0.00	64.75 2.25 0.00	227.31 2.94 -154.42	304.46 3.54 -218.65	199.29 3.54 -113.39	83.40 3.36 0.00	87.39 3.37 -1.83	81.10 3.00 -3.00	80.00 3.07 -0.16	81.40 3.21 0.00	86.81 3.37 -1.34	96.30 3.68 -8.97	112.66 3.79 -26.50	131.48 5.62 -3.77	178.52 4.16 -85.83	157.19 4.02 -67.62	121.90 4.03 -32.05	105.18 3.70 -19.28	100.91 3.52 -15.43	100.75 3.36 -15.53
RUSSELL___1 23602	61.28 -3.43 0.00	59.72 -3.41 0.00	61.85 -3.74 0.00	61.92 -3.67 0.00	62.11 -3.55 0.00	59.88 -2.63 0.00	68.62 -1.33 0.00	80.21 -2.06 0.00	80.24 -2.55 -0.44	77.00 -3.04 0.00	79.16 -3.21 -0.18	72.01 -3.38 -0.30	72.79 -3.99 -0.02	74.37 -3.83 0.00	78.46 -3.78 -0.13	81.53 -3.01 -0.89	82.01 -3.05 -2.69	116.62 -5.62 -0.15	88.69 -3.10 -3.26	84.26 -3.17 -1.88	86.17 -2.83 -3.18	81.01 -3.04 -1.86	80.16 -3.28 -1.49	80.49 -2.87 -1.50
RUSSELL___2 23532	61.28 -3.43 0.00	59.72 -3.41 0.00	61.85 -3.74 0.00	61.92 -3.67 0.00	62.11 -3.55 0.00	59.88 -2.63 0.00	68.62 -1.33 0.00	80.21 -2.06 0.00	80.24 -2.55 -0.44	77.00 -3.04 0.00	79.16 -3.21 -0.18	72.01 -3.38 -0.30	72.79 -3.99 -0.02	74.37 -3.83 0.00	78.46 -3.78 -0.13	81.53 -3.01 -0.89	82.01 -3.05 -2.69	116.62 -5.62 -0.15	88.69 -3.10 -3.26	84.26 -3.17 -1.88	86.17 -2.83 -3.18	81.01 -3.04 -1.86	80.16 -3.28 -1.49	80.49 -2.87 -1.50
RUSSELL___3 23549	61.28 -3.43 0.00	59.72 -3.41 0.00	61.85 -3.74 0.00	61.92 -3.67 0.00	62.11 -3.55 0.00	59.88 -2.63 0.00	68.62 -1.33 0.00	80.21 -2.06 0.00	80.24 -2.55 -0.44	77.00 -3.04 0.00	79.16 -3.21 -0.18	72.01 -3.38 -0.30	72.79 -3.99 -0.02	74.37 -3.83 0.00	78.46 -3.78 -0.13	81.53 -3.01 -0.89	82.01 -3.05 -2.69	116.62 -5.62 -0.15	88.69 -3.10 -3.26	84.26 -3.17 -1.88	86.17 -2.83 -3.18	81.01 -3.04 -1.86	80.16 -3.28 -1.49	80.49 -2.87 -1.50
RUSSELL___4 23556	61.28 -3.43 0.00	59.72 -3.41 0.00	61.85 -3.74 0.00	61.92 -3.67 0.00	62.11 -3.55 0.00	59.88 -2.63 0.00	68.62 -1.33 0.00	80.21 -2.06 0.00	80.24 -2.55 -0.44	77.00 -3.04 0.00	79.16 -3.21 -0.18	72.01 -3.38 -0.30	72.79 -3.99 -0.02	74.37 -3.83 0.00	78.46 -3.78 -0.13	81.53 -3.01 -0.89	82.01 -3.05 -2.69	116.62 -5.62 -0.15	88.69 -3.10 -3.26	84.26 -3.17 -1.88	86.17 -2.83 -3.18	81.01 -3.04 -1.86	80.16 -3.28 -1.49	80.49 -2.87 -1.50
RUSSELL___STATION 23914	61.28 -3.43 0.00	59.72 -3.41 0.00	61.85 -3.74 0.00	61.92 -3.67 0.00	62.11 -3.55 0.00	59.88 -2.63 0.00	68.62 -1.33 0.00	80.21 -2.06 0.00	80.24 -2.55 -0.44	77.00 -3.04 0.00	79.16 -3.21 -0.18	72.01 -3.38 -0.30	72.79 -3.99 -0.02	74.37 -3.83 0.00	78.46 -3.78 -0.13	81.53 -3.01 -0.89	82.01 -3.05 -2.69	116.62 -5.62 -0.15	88.69 -3.10 -3.26	84.26 -3.17 -1.88	86.17 -2.83 -3.18	81.01 -3.04 -1.86	80.16 -3.28 -1.49	80.49 -2.87 -1.50
S SALMON___HYD 24043	63.48 -1.23 0.00	61.93 -1.20 0.00	64.34 -1.25 0.00	64.41 -1.18 0.00	64.48 -1.18 0.00	61.50 -1.00 0.00	69.60 -0.35 0.00	81.86 -0.41 0.00	81.78 -0.57 0.00	79.08 -0.96 0.00	81.39 -0.90 -0.10	74.27 -0.98 -0.16	75.78 -1.00 -0.01	77.34 -0.86 0.00	81.44 -0.74 -0.07	83.73 -0.42 -0.49	83.10 -0.74 -1.48	118.93 -0.73 2.43	88.76 -0.26 -0.50	85.22 -0.34 -0.01	87.14 -0.43 -1.75	82.58 -0.66 -1.05	81.81 -0.98 -0.84	81.64 -1.07 -0.84
S.PERRY__115KV_TB1 80734	63.16 -1.55 0.00	61.49 -1.64 0.00	63.69 -1.90 0.00	63.75 -1.84 0.00	64.08 -1.58 0.00	61.94 -0.56 0.00	71.56 1.61 0.00	81.45 -0.82 0.00	81.28 -1.73 -0.65	77.48 -2.56 0.00	78.91 -3.53 -0.25	71.58 -3.90 -0.39	72.49 -4.30 -0.02	74.21 -3.99 0.00	78.01 -4.27 -0.18	81.23 -3.60 -1.17	83.31 -3.05 -3.99	117.91 -5.37 -1.20	91.07 -2.66 -5.20	86.29 -2.65 -3.39	89.67 -0.43 -4.28	83.94 -0.90 -2.65	82.59 -1.48 -2.12	82.85 -1.15 -2.13
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	58.18 -6.54 0.00	56.82 -6.31 0.00	58.57 -7.02 0.00	58.70 -6.89 0.00	58.89 -6.76 0.00	57.07 -5.44 0.00	65.75 -4.20 0.00	75.93 -6.33 0.00	75.86 -7.08 -0.58	72.67 -7.36 0.00	73.62 -8.79 -0.23	66.90 -8.49 -0.30	68.04 -8.75 -0.02	69.52 -8.68 0.00	72.56 -9.69 -0.14	75.41 -9.12 -0.88	76.35 -9.06 -3.04	108.75 -14.41 -1.07	83.37 -9.56 -4.40	79.33 -9.24 -3.02	79.84 -9.18 -3.20	75.62 -8.96 -2.38	74.68 -9.18 -1.91	75.92 -7.86 -1.92



SAWYER___23_KV_LOAD 55526	58.18 -6.54 0.00	56.82 -6.31 0.00	58.57 -7.02 0.00	58.70 -6.89 0.00	58.89 -6.76 0.00	57.07 -5.44 0.00	65.75 -4.20 0.00	75.93 -6.33 0.00	75.86 -7.08 -0.58	72.67 -7.36 0.00	73.62 -8.79 -0.23	66.90 -8.49 -0.30	68.04 -8.75 -0.02	69.52 -8.68 0.00	72.56 -9.69 -0.14	75.41 -9.12 -0.88	76.35 -9.06 -3.04	108.75 -14.41 -1.07	83.37 -9.56 -4.40	79.33 -9.24 -3.02	79.84 -9.18 -3.20	75.62 -8.96 -2.38	74.68 -9.18 -1.91	75.92 -7.86 -1.92
SELKIRK___I 23801	67.24 2.52 0.00	65.59 2.46 0.00	68.35 2.75 0.00	68.28 2.69 0.00	68.35 2.69 0.00	64.94 2.44 0.00	120.46 2.73 -47.79	153.14 3.21 -67.66	122.58 3.21 -37.01	83.24 3.20 0.00	87.03 3.12 -1.72	80.69 2.78 -2.82	79.76 2.84 -0.15	81.25 3.05 0.00	86.40 3.04 -1.26	95.08 3.01 -8.41	110.44 2.88 -25.19	127.61 4.02 -1.49	134.51 3.01 -42.98	117.49 3.08 -28.87	118.87 2.92 -30.13	103.24 2.95 -18.09	99.71 3.28 -14.48	99.87 3.44 -14.57
SELKIRK___II 23799	66.98 2.26 0.00	65.40 2.27 0.00	68.08 2.49 0.00	68.02 2.43 0.00	68.09 2.43 0.00	64.75 2.25 0.00	123.85 2.59 -51.31	157.97 3.05 -72.65	125.14 3.21 -39.58	83.40 3.36 0.00	87.22 3.29 -1.74	80.95 3.01 -2.85	79.99 3.07 -0.15	81.41 3.21 0.00	86.50 3.12 -1.27	95.19 3.01 -8.52	110.02 2.80 -24.85	126.12 3.91 -0.12	135.17 2.83 -43.81	117.84 2.91 -29.38	119.04 2.83 -30.40	103.32 2.80 -18.33	99.73 3.11 -14.67	99.90 3.28 -14.76
SENECA OSWGO___HYD 24041	62.97 -1.74 0.00	61.43 -1.70 0.00	63.82 -1.77 0.00	63.89 -1.71 0.00	63.95 -1.71 0.00	61.07 -1.44 0.00	69.04 -0.91 0.00	81.12 -1.15 0.00	81.04 -1.32 0.00	78.68 -1.36 0.00	80.82 -1.48 -0.11	73.77 -1.50 -0.18	75.16 -1.62 -0.01	76.71 -1.49 0.00	80.71 -1.48 -0.08	82.94 -1.25 -0.53	82.67 -1.32 -1.62	120.13 -1.96 0.00	88.12 -1.15 -0.75	84.45 -1.11 -0.01	86.54 -1.20 -1.92	81.95 -1.40 -1.15	81.31 -1.56 -0.92	81.23 -1.56 -0.93
SENECA___115KV_TB3 355854	58.89 -5.82 0.00	57.64 -5.49 0.00	59.36 -6.23 0.00	59.49 -6.10 0.00	59.68 -5.97 0.00	57.82 -4.69 0.00	66.80 -3.15 0.00	77.09 -5.18 0.00	77.12 -5.85 -0.61	73.79 -6.24 0.00	74.21 -8.22 -0.24	67.37 -8.03 -0.32	69.04 -7.75 -0.02	70.46 -7.74 0.00	73.14 -9.11 -0.15	75.98 -8.62 -0.94	77.24 -8.40 -3.27	110.51 -12.70 -1.12	84.41 -8.76 -4.65	80.42 -8.30 -3.17	80.61 -8.67 -3.45	76.22 -8.47 -2.48	75.17 -8.77 -1.99	76.33 -7.53 -2.00
SENECA___ENERGY 23797	63.23 -1.49 0.00	61.62 -1.52 0.00	63.95 -1.64 0.00	64.02 -1.57 0.00	64.21 -1.44 0.00	61.63 -0.88 0.00	70.37 0.42 0.00	82.43 0.16 0.00	82.70 -0.16 -0.50	79.64 -0.40 0.00	81.40 -0.98 -0.20	74.21 -1.20 -0.32	75.48 -1.31 -0.02	77.10 -1.09 0.00	81.02 -1.23 -0.14	83.79 -0.84 -0.96	84.47 -0.82 -2.93	120.80 -1.46 -0.17	91.75 -0.43 -3.66	87.27 -0.69 -2.15	88.59 -0.98 -3.46	83.29 -1.23 -2.07	82.38 -1.66 -1.67	82.47 -1.07 -1.67
SHOEMAKER___GT 23640	67.76 3.04 0.00	66.10 2.97 0.00	68.61 3.02 0.00	68.61 3.02 0.00	68.68 3.02 0.00	65.63 3.12 0.00	85.87 3.99 -11.94	104.19 5.02 -16.90	98.08 5.35 -10.37	85.32 5.28 0.00	88.92 5.51 -1.22	82.12 5.03 -2.00	82.10 5.22 -0.10	83.52 5.32 0.00	88.59 5.59 -0.89	95.48 5.85 -5.97	119.49 5.93 -31.19	160.71 8.80 -29.83	134.24 6.64 -39.07	122.67 6.33 -30.79	116.22 6.44 -23.96	100.73 5.67 -12.86	97.57 5.32 -10.29	97.21 4.99 -10.36
SHOEMAKR_138KV_BK 111 55601	67.69 2.98 0.00	66.04 2.90 0.00	68.61 3.02 0.00	68.48 2.89 0.00	68.61 2.95 0.00	65.57 3.06 0.00	85.79 3.99 -11.85	103.99 4.94 -16.78	98.01 5.35 -10.30	85.32 5.28 0.00	88.99 5.59 -1.21	82.18 5.11 -1.99	82.17 5.30 -0.10	83.52 5.32 0.00	88.58 5.58 -0.89	95.61 6.02 -5.93	119.29 6.01 -30.91	160.36 8.79 -29.48	133.89 6.64 -38.73	122.37 6.33 -30.49	116.05 6.44 -23.79	100.65 5.67 -12.78	97.50 5.33 -10.23	97.06 4.91 -10.29
SHOREHAM_IC_1 23715	81.17 7.44 -9.02	78.68 7.19 -8.36	78.20 7.28 -5.33	78.15 7.22 -5.34	78.97 7.22 -6.09	86.69 7.25 -16.94	106.63 8.74 -27.93	126.48 11.27 -32.94	109.58 11.20 -16.03	94.94 10.73 -4.17	99.73 11.02 -6.53	91.28 9.83 -6.36	91.28 10.21 -4.30	92.31 10.09 -4.02	99.54 11.25 -6.19	111.99 11.96 -16.38	132.99 12.28 -38.34	178.21 18.55 -37.57	155.55 13.80 -53.22	140.53 13.43 -41.55	132.22 13.04 -33.36	126.25 11.59 -32.45	119.69 11.06 -26.69	108.34 10.97 -15.51
SHOREHAM_IC_2 23716	81.17 7.44 -9.02	78.68 7.19 -8.36	78.20 7.28 -5.33	78.15 7.22 -5.34	78.97 7.22 -6.09	86.69 7.25 -16.94	106.63 8.74 -27.93	126.48 11.27 -32.94	109.58 11.20 -16.03	94.94 10.73 -4.17	99.73 11.02 -6.53	91.28 9.83 -6.36	91.28 10.21 -4.30	92.31 10.09 -4.02	99.54 11.25 -6.19	111.99 11.96 -16.38	132.99 12.28 -38.34	178.21 18.55 -37.57	155.55 13.80 -53.22	140.53 13.43 -41.55	132.22 13.04 -33.36	126.25 11.59 -32.45	119.69 11.06 -26.69	108.34 10.97 -15.51
SISSONVILLE___ 23735	64.33 -0.39 0.00	62.50 -0.63 0.00	64.80 -0.79 0.00	64.94 -0.66 0.00	64.80 -0.85 0.00	61.63 -0.88 0.00	67.50 -2.45 0.00	78.32 -3.95 0.00	78.24 -4.12 0.00	75.88 -4.16 0.00	78.24 -3.95 0.00	71.56 -3.53 0.00	73.70 -3.07 0.00	74.99 -3.21 0.00	78.82 -3.28 0.00	79.98 -3.68 0.00	78.33 -4.04 0.00	87.18 -7.81 27.10	81.45 -5.05 2.03	80.67 -4.88 0.00	81.01 -4.81 0.00	79.40 -2.79 0.00	79.90 -2.05 0.00	80.22 -1.64 0.00
SITHE_IND_GS1 24169	61.93 -2.78 0.00	60.42 -2.71 0.00	62.77 -2.82 0.00	62.84 -2.75 0.00	62.90 -2.76 0.00	60.00 -2.50 0.00	67.64 -2.31 0.00	79.56 -2.71 0.00	79.56 -2.80 0.00	77.16 -2.88 0.00	79.31 -2.96 -0.08	72.37 -2.85 -0.13	73.78 -3.00 -0.01	75.23 -2.97 0.00	79.13 -3.04 -0.06	81.13 -2.93 -0.40	80.62 -2.96 -1.21	117.57 -4.51 0.00	86.08 -3.01 -0.56	82.56 -3.00 -0.01	84.33 -2.92 -1.43	80.09 -2.96 -0.84	79.59 -3.03 -0.68	79.51 -3.03 -0.68
SITHE_IND_GS2 24170	61.93 -2.78 0.00	60.42 -2.71 0.00	62.77 -2.82 0.00	62.84 -2.75 0.00	62.90 -2.76 0.00	60.00 -2.50 0.00	67.64 -2.31 0.00	79.56 -2.71 0.00	79.56 -2.80 0.00	77.16 -2.88 0.00	79.31 -2.96 -0.08	72.37 -2.85 -0.13	73.78 -3.00 -0.01	75.23 -2.97 0.00	79.13 -3.04 -0.06	81.13 -2.93 -0.40	80.62 -2.96 -1.21	117.57 -4.51 0.00	86.08 -3.01 -0.56	82.56 -3.00 -0.01	84.33 -2.92 -1.43	80.09 -2.96 -0.84	79.59 -3.03 -0.68	79.51 -3.03 -0.68
SITHE_IND_GS3 24171	61.93 -2.78 0.00	60.42 -2.71 0.00	62.77 -2.82 0.00	62.84 -2.75 0.00	62.90 -2.76 0.00	60.00 -2.50 0.00	67.64 -2.31 0.00	79.56 -2.71 0.00	79.56 -2.80 0.00	77.16 -2.88 0.00	79.31 -2.96 -0.08	72.37 -2.85 -0.13	73.78 -3.00 -0.01	75.23 -2.97 0.00	79.13 -3.04 -0.06	81.13 -2.93 -0.40	80.62 -2.96 -1.21	117.57 -4.51 0.00	86.08 -3.01 -0.56	82.56 -3.00 -0.01	84.33 -2.92 -1.43	80.09 -2.96 -0.84	79.59 -3.03 -0.68	79.51 -3.03 -0.68
SITHE_IND_GS4 24172	61.93 -2.78 0.00	60.42 -2.71 0.00	62.77 -2.82 0.00	62.84 -2.75 0.00	62.90 -2.76 0.00	60.00 -2.50 0.00	67.64 -2.31 0.00	79.56 -2.71 0.00	79.56 -2.80 0.00	77.16 -2.88 0.00	79.31 -2.96 -0.08	72.37 -2.85 -0.13	73.78 -3.00 -0.01	75.23 -2.97 0.00	79.13 -3.04 -0.06	81.13 -2.93 -0.40	80.62 -2.96 -1.21	117.57 -4.51 0.00	86.08 -3.01 -0.56	82.56 -3.00 -0.01	84.33 -2.92 -1.43	80.09 -2.96 -0.84	79.59 -3.03 -0.68	79.51 -3.03 -0.68



SITHE___BATAVIA 24024	59.93 -4.79 0.00	58.40 -4.74 0.00	60.34 -5.25 0.00	60.54 -5.05 0.00	60.66 -4.99 0.00	58.63 -3.88 0.00	68.07 -1.89 0.00	79.14 -3.13 0.00	78.92 -3.95 -0.51	75.39 -4.64 0.00	76.72 -5.67 -0.20	69.60 -5.78 -0.29	70.64 -6.14 -0.02	72.25 -5.95 0.00	75.84 -6.40 -0.13	79.01 -5.52 -0.87	79.25 -5.77 -2.65	113.35 -8.91 -0.17	86.53 -5.57 -3.58	82.18 -5.56 -2.19	83.63 -5.32 -3.13	78.82 -5.51 -2.13	77.84 -5.82 -1.70	78.58 -5.00 -1.71
SITHE___INDEPEND 23800	61.93 -2.78 0.00	60.42 -2.71 0.00	62.77 -2.82 0.00	62.77 -2.82 0.00	62.90 -2.76 0.00	60.00 -2.50 0.00	67.64 -2.31 0.00	79.55 -2.71 0.00	79.56 -2.80 0.00	77.16 -2.88 0.00	79.31 -2.96 -0.08	72.37 -2.85 -0.13	73.78 -2.99 -0.01	75.23 -2.97 0.00	79.13 -3.04 -0.06	81.13 -2.93 -0.40	80.69 -2.88 -1.21	117.57 -4.52 0.00	86.08 -3.01 -0.56	82.57 -2.99 -0.01	84.33 -2.92 -1.43	80.08 -2.96 -0.84	79.59 -3.03 -0.68	79.51 -3.03 -0.68
SITHE___MASSENA 23902	64.71 0.00 0.00	62.94 -0.19 0.00	65.26 -0.33 0.00	65.26 -0.33 0.00	65.26 -0.39 0.00	62.07 -0.43 0.00	68.27 -1.68 0.00	79.88 -2.39 0.00	79.89 -2.47 0.00	77.56 -2.48 0.00	79.97 -2.22 0.00	73.22 -1.87 0.00	75.01 -1.76 0.00	76.25 -1.95 0.00	80.06 -2.05 0.00	81.32 -2.34 0.00	79.98 -2.39 0.00	84.03 -5.25 32.81	82.43 -3.63 2.46	82.30 -3.25 0.00	82.38 -3.44 0.00	80.31 -1.89 0.00	80.39 -1.56 0.00	80.55 -1.31 0.00
SITHE___OGDNSBRG 24021	65.43 0.71 0.00	63.64 0.51 0.00	65.98 0.39 0.00	66.12 0.52 0.00	65.98 0.33 0.00	62.88 0.38 0.00	69.04 -0.91 0.00	80.62 -1.65 0.00	80.55 -1.81 0.00	77.96 -2.08 0.00	80.30 -1.89 0.00	73.44 -1.65 0.00	75.39 -1.38 0.00	76.63 -1.56 0.00	80.63 -1.48 0.00	81.90 -1.76 0.00	80.56 -1.81 0.00	88.50 -4.27 29.32	83.67 -2.66 2.20	82.98 -2.57 0.00	83.42 -2.40 0.00	81.21 -0.99 0.00	81.46 -0.49 0.00	81.62 -0.25 0.00
SITHE___STERLING 23777	66.20 1.49 0.00	64.64 1.51 0.00	67.16 1.57 0.00	67.23 1.64 0.00	67.30 1.64 0.00	64.50 2.00 0.00	72.96 3.01 0.00	85.88 3.62 0.00	85.98 3.62 0.00	83.16 3.12 0.00	85.15 2.88 -0.09	77.70 2.47 -0.14	79.46 2.69 -0.01	81.09 2.90 0.00	85.37 3.20 -0.06	87.51 3.43 -0.42	86.94 3.30 -1.27	127.33 5.25 0.00	93.01 3.89 -0.59	89.24 3.68 -0.01	91.01 3.69 -1.50	86.39 3.29 -0.90	85.62 2.95 -0.72	85.53 2.94 -0.73
SLEIGHT__34_KV_TB1 80719	62.06 -2.65 0.00	60.48 -2.65 0.00	62.71 -2.89 0.00	62.77 -2.82 0.00	62.96 -2.69 0.00	60.57 -1.94 0.00	69.25 -0.70 0.00	81.20 -1.07 0.00	81.32 -1.48 -0.44	78.20 -1.84 0.00	80.39 -1.97 -0.18	73.21 -2.18 -0.29	74.18 -2.61 -0.01	75.85 -2.35 0.00	79.94 -2.30 -0.13	82.78 -1.76 -0.88	83.23 -1.81 -2.67	118.94 -3.30 -0.15	90.09 -1.68 -3.25	85.63 -1.80 -1.88	87.26 -1.72 -3.16	82.16 -1.89 -1.85	81.22 -2.21 -1.48	81.39 -1.96 -1.49
SOUTH CAIRO___GT 23612	69.70 4.98 0.00	67.99 4.86 0.00	70.71 5.12 0.00	70.58 4.98 0.00	70.78 5.12 0.00	67.57 5.06 0.00	121.68 5.25 -46.48	153.92 5.84 -65.81	123.80 5.52 -35.93	85.56 5.52 0.00	88.43 4.60 -1.64	81.77 3.98 -2.70	80.90 3.99 -0.14	82.81 4.61 0.00	87.83 4.52 -1.20	96.64 4.94 -8.05	114.85 5.85 -26.64	138.53 9.40 -7.04	139.15 5.93 -44.69	123.33 6.42 -31.37	120.82 5.66 -29.33	104.70 5.18 -17.33	101.56 5.74 -13.87	101.96 6.14 -13.96
SOUTH HAMPTN___IC 23720	81.36 7.63 -9.01	78.86 7.38 -8.35	78.39 7.47 -5.32	78.33 7.41 -5.33	79.16 7.42 -6.08	86.88 7.43 -16.94	106.97 9.09 -27.92	126.86 11.68 -32.91	109.96 11.61 -15.98	95.25 11.05 -4.16	99.83 11.18 -6.46	91.38 9.99 -6.31	91.31 10.29 -4.25	92.41 10.24 -3.97	99.64 11.41 -6.12	112.09 12.13 -16.31	133.11 12.44 -38.30	178.55 18.92 -37.54	155.74 14.08 -53.14	140.63 13.60 -41.47	132.30 13.21 -33.27	126.29 11.67 -32.43	119.76 11.14 -26.66	108.55 11.22 -15.47
SOUTHDOW_115KV_TB1 355954	60.64 -4.08 0.00	59.34 -3.79 0.00	60.15 -5.44 0.00	60.41 -5.18 0.00	61.45 -4.20 0.00	59.75 -2.75 0.00	69.53 -0.42 0.00	80.21 -2.06 0.00	80.30 -2.72 -0.66	76.84 -3.20 0.00	75.46 -6.99 -0.25	68.53 -6.91 -0.35	70.88 -5.91 -0.02	72.18 -6.02 0.00	74.14 -8.13 -0.16	76.92 -7.78 -1.04	79.72 -6.26 -3.61	114.87 -8.42 -1.21	87.48 -6.11 -5.06	83.41 -5.56 -3.43	83.03 -6.61 -3.82	78.13 -6.74 -2.67	75.56 -8.52 -2.14	77.95 -6.06 -2.15
SOUTHOLD_69_KV_BK 2 55809	81.56 7.83 -9.01	78.93 7.45 -8.35	78.46 7.54 -5.32	78.27 7.35 -5.33	79.22 7.48 -6.08	87.13 7.69 -16.94	107.32 9.44 -27.93	127.28 12.09 -32.91	110.45 12.11 -15.99	95.48 11.29 -4.16	99.75 11.10 -6.47	91.09 9.69 -6.31	91.08 10.06 -4.25	92.18 10.01 -3.97	99.56 11.33 -6.12	112.18 12.21 -16.31	133.28 12.60 -38.31	178.67 19.05 -37.54	155.83 14.16 -53.14	140.63 13.60 -41.48	132.31 13.22 -33.28	126.38 11.75 -32.43	119.51 10.90 -26.66	108.63 11.30 -15.47
SOUTHOLD___IC 23719	81.55 7.83 -9.01	78.93 7.45 -8.35	78.45 7.54 -5.32	78.40 7.47 -5.33	79.22 7.48 -6.08	87.01 7.56 -16.94	107.25 9.38 -27.93	127.28 12.10 -32.91	110.37 12.02 -15.99	95.49 11.29 -4.16	99.75 11.09 -6.47	91.09 9.69 -6.31	91.07 10.05 -4.25	92.18 10.01 -3.97	99.57 11.33 -6.12	112.09 12.13 -16.31	133.11 12.44 -38.31	178.67 19.04 -37.54	155.83 14.16 -53.14	140.71 13.68 -41.48	132.31 13.21 -33.28	126.22 11.59 -32.43	119.51 10.90 -26.66	108.71 11.37 -15.47
SOUTH_FORK_WT_PWR 323839	80.97 7.25 -9.01	78.42 6.94 -8.35	77.86 6.95 -5.32	77.87 6.95 -5.33	78.63 6.89 -6.08	86.45 7.00 -16.94	106.62 8.74 -27.92	126.54 11.36 -32.91	109.63 11.28 -15.99	94.84 10.65 -4.16	98.84 10.19 -6.47	90.25 8.86 -6.31	90.15 9.13 -4.25	91.39 9.22 -3.97	98.66 10.43 -6.12	111.18 11.21 -16.31	132.04 11.37 -38.30	177.08 17.46 -37.54	154.68 13.02 -53.14	139.60 12.58 -41.47	131.20 12.10 -33.28	125.15 10.52 -32.43	118.44 9.83 -26.66	107.90 10.56 -15.47
SPIERFLS_115KV_TB 1 80737	69.12 4.40 0.00	67.17 4.04 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.75 4.25 0.00	218.23 5.53 -142.75	291.06 6.66 -202.13	194.00 6.59 -105.06	86.12 6.08 0.00	89.92 5.92 -1.81	83.39 5.33 -2.97	82.38 5.45 -0.15	83.83 5.63 0.00	89.43 5.99 -1.33	99.06 6.53 -8.88	115.60 6.75 -26.48	136.70 10.62 -3.99	177.59 7.70 -81.36	156.65 7.44 -63.66	124.81 7.21 -31.78	107.78 6.49 -19.09	103.38 6.15 -15.28	103.13 5.89 -15.38
ST LAWRENCE____ 23600	64.19 -0.52 0.00	62.50 -0.63 0.00	64.81 -0.78 0.00	64.81 -0.78 0.00	64.87 -0.78 0.00	61.63 -0.88 0.00	67.92 -2.03 0.00	79.63 -2.64 0.00	79.64 -2.72 0.00	77.40 -2.64 0.00	79.72 -2.46 0.00	72.99 -2.10 0.00	74.70 -2.07 0.00	75.93 -2.27 0.00	79.72 -2.38 0.00	80.98 -2.68 0.00	79.81 -2.55 0.00	83.74 -4.15 34.20	82.59 -3.36 2.57	82.47 -3.08 0.00	82.65 -3.17 0.00	79.81 -2.39 0.00	79.90 -2.05 0.00	79.98 -1.88 0.00
STATE_CA_115KV_115_LB 55624	67.50 2.78 0.00	65.85 2.71 0.00	68.48 2.89 0.00	68.41 2.82 0.00	68.55 2.89 0.00	65.19 2.69 0.00	164.37 3.15 -91.27	215.29 3.78 -129.23	154.52 3.95 -68.21	84.12 4.08 0.00	88.07 4.11 -1.77	81.75 3.75 -2.90	80.76 3.84 -0.15	82.11 3.91 0.00	87.26 3.86 -1.29	95.93 3.60 -8.67	111.16 3.13 -25.66	128.44 4.27 -2.07	152.07 3.19 -60.36	133.23 3.17 -44.51	120.00 3.18 -31.00	103.97 3.12 -18.65	100.56 3.69 -14.93	100.81 3.93 -15.02



STATE_ST_34_KV_LOAD 55959	64.39 -0.32 0.00	62.82 -0.32 0.00	65.20 -0.39 0.00	65.20 -0.39 0.00	65.39 -0.26 0.00	62.63 0.13 0.00	71.35 1.40 0.00	83.83 1.56 0.00	84.34 1.48 -0.50	81.24 1.20 0.00	83.29 0.90 -0.20	75.86 0.45 -0.32	77.25 0.46 -0.02	78.90 0.70 0.00	82.99 0.74 -0.14	85.62 1.00 -0.96	86.26 0.99 -0.91	123.84 1.59 -0.17	93.68 1.50 -0.35	89.15 1.45 -0.215	90.46 1.20 -0.344	85.08 0.82 -0.206	84.01 0.41 -0.165	84.01 0.49 -0.166
STATION 5_MISC_HYD 23604	60.96 -3.76 0.00	59.47 -3.66 0.00	61.59 -4.00 0.00	61.66 -3.93 0.00	61.78 -3.87 0.00	59.44 -3.06 0.00	68.21 -1.75 0.00	79.72 -2.55 0.00	79.67 -3.13 -0.44	76.52 -3.52 0.00	78.67 -3.70 -0.18	71.63 -3.75 -0.30	72.33 -4.45 -0.02	73.90 -4.30 0.00	77.97 -4.27 -0.13	81.03 -3.51 -0.89	81.19 -3.87 -0.69	115.76 -6.47 -0.15	88.07 -3.71 -0.326	83.58 -3.85 -0.188	85.56 -3.44 -0.318	80.44 -3.61 -0.186	79.67 -3.77 -0.149	80.08 -3.28 -0.150
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	62.58 -2.14 0.00	60.99 -2.15 0.00	63.23 -2.36 0.00	63.30 -2.30 0.00	63.49 -2.17 0.00	61.13 -1.38 0.00	69.95 0.00 0.00	81.94 -0.33 0.00	82.07 -0.74 -0.45	78.84 -1.20 0.00	80.81 -1.56 -0.18	73.59 -1.80 -0.30	74.56 -2.23 -0.02	76.24 -1.95 0.00	80.27 -1.97 -0.13	83.21 -1.34 -0.90	83.77 -1.32 -0.72	119.67 -2.56 -0.15	90.70 -1.15 -0.333	86.28 -1.20 -0.193	87.84 -1.20 -0.322	82.62 -1.48 -0.190	81.67 -1.80 -0.152	81.92 -1.47 -0.153
STA_56_34_KV_BUS2_REV_LBMP_B 345033	60.83 -3.88 0.00	59.28 -3.85 0.00	61.46 -4.13 0.00	61.52 -4.07 0.00	61.65 -4.01 0.00	59.38 -3.13 0.00	67.99 -1.96 0.00	79.47 -2.80 0.00	79.06 -3.29 0.00	76.44 -3.60 0.00	78.50 -3.86 -0.17	71.55 -3.83 -0.29	72.26 -4.53 -0.01	73.82 -4.38 0.00	77.89 -4.35 -0.13	80.85 -3.68 -0.88	81.33 -3.71 -0.67	115.62 -6.47 0.00	85.95 -3.81 -0.123	81.64 -3.94 -0.02	85.37 -3.60 -0.315	80.34 -3.70 -0.184	79.49 -3.93 -0.148	79.83 -3.52 -0.149
STA_56___34_KV_BUS2 355983	60.83 -3.88 0.00	59.28 -3.85 0.00	61.46 -4.13 0.00	61.52 -4.07 0.00	61.65 -4.01 0.00	59.38 -3.13 0.00	67.99 -1.96 0.00	79.47 -2.80 0.00	79.06 -3.29 0.00	76.44 -3.60 0.00	78.50 -3.86 -0.17	71.55 -3.83 -0.29	72.26 -4.53 -0.01	73.82 -4.38 0.00	77.89 -4.35 -0.13	80.85 -3.68 -0.88	81.33 -3.71 -0.67	115.62 -6.47 0.00	85.95 -3.81 -0.123	81.64 -3.94 -0.02	85.37 -3.60 -0.315	80.34 -3.70 -0.184	79.49 -3.93 -0.148	79.83 -3.52 -0.149
STA_67___115KV_BK2 355882	60.83 -3.88 0.00	59.28 -3.85 0.00	61.39 -4.20 0.00	61.52 -4.07 0.00	61.65 -4.01 0.00	59.38 -3.13 0.00	67.99 -1.96 0.00	79.47 -2.80 0.00	79.42 -3.38 -0.44	76.28 -3.76 0.00	78.42 -3.95 -0.18	71.41 -3.98 -0.30	72.10 -4.68 -0.02	73.74 -4.46 0.00	77.81 -4.43 -0.13	80.78 -3.76 -0.89	81.19 -3.87 -0.69	115.40 -6.84 -0.15	87.80 -3.98 -0.326	83.32 -4.11 -0.188	85.31 -3.69 -0.318	80.27 -3.78 -0.185	79.42 -4.02 -0.148	79.92 -3.44 -0.149
STA_7___115KV_9TRANS 80674	61.28 -3.43 0.00	59.72 -3.41 0.00	61.85 -3.74 0.00	61.92 -3.67 0.00	62.11 -3.55 0.00	59.88 -2.63 0.00	68.62 -1.33 0.00	80.21 -2.06 0.00	80.24 -2.55 -0.44	77.00 -3.04 0.00	79.16 -3.21 -0.18	72.01 -3.38 -0.30	72.79 -3.99 -0.02	74.37 -3.83 0.00	78.46 -3.78 -0.13	81.53 -3.01 -0.89	82.01 -3.05 -0.69	116.62 -5.62 -0.15	88.69 -3.10 -0.326	84.26 -3.17 -0.188	86.17 -2.83 -0.318	81.01 -3.04 -0.186	80.16 -3.28 -0.149	80.49 -2.87 -0.150
STA_82___115KV_TB1 80780	60.90 -3.82 0.00	59.34 -3.79 0.00	61.46 -4.13 0.00	61.52 -4.07 0.00	61.72 -3.94 0.00	59.44 -3.06 0.00	68.06 -1.89 0.00	79.47 -2.80 0.00	79.51 -3.29 -0.44	76.36 -3.68 0.00	78.50 -3.86 -0.18	71.48 -3.90 -0.30	72.18 -4.61 -0.02	73.74 -4.46 0.00	77.81 -4.43 -0.13	80.78 -3.76 -0.89	81.27 -3.79 -0.69	115.52 -6.71 -0.15	87.90 -3.90 -0.327	83.42 -4.02 -0.189	85.40 -3.60 -0.318	80.37 -3.70 -0.187	79.51 -3.93 -0.149	79.93 -3.44 -0.150
STEEL___WIND 323596	58.83 -5.89 0.00	57.51 -5.62 0.00	59.29 -6.30 0.00	59.42 -6.17 0.00	59.55 -6.10 0.00	57.57 -4.94 0.00	66.73 -3.22 0.00	77.00 -5.27 0.00	76.96 -6.01 -0.61	73.63 -6.41 0.00	74.04 -8.38 -0.24	67.23 -8.18 -0.32	68.96 -7.83 -0.02	70.38 -7.82 0.00	72.98 -9.28 -0.15	75.90 -8.70 -0.94	76.90 -8.73 -0.327	110.39 -12.82 -0.112	84.32 -8.85 -0.465	80.25 -8.47 -0.317	80.52 -8.75 -0.345	76.05 -8.63 -0.248	75.01 -8.93 -0.199	76.25 -7.61 -0.200
STEPHTWN_115KV_BK_2 55603	68.08 3.37 0.00	66.35 3.22 0.00	69.00 3.41 0.00	68.87 3.28 0.00	69.07 3.41 0.00	65.75 3.25 0.00	139.89 3.85 -66.10	180.46 4.61 -93.59	137.23 4.69 -50.17	84.84 4.80 0.00	88.62 4.68 -0.175	82.24 4.28 -0.287	81.30 4.38 -0.15	82.66 4.46 0.00	87.74 4.35 -0.128	96.41 4.18 -0.857	111.43 3.87 -0.2520	128.57 5.49 -0.99	142.51 3.98 -50.00	124.54 3.94 -35.06	120.29 3.86 -30.61	104.49 3.86 -0.1843	101.13 4.43 -0.1475	101.37 4.67 -0.1485
STEUBEN_REC_LFGE 323667	61.67 -3.04 0.00	60.17 -2.97 0.00	62.25 -3.35 0.00	62.38 -3.21 0.00	62.77 -2.89 0.00	60.88 -1.63 0.00	73.95 0.28 -3.72	86.88 -0.66 -5.27	84.29 -1.24 -3.17	78.20 -1.84 0.00	78.97 -3.53 -0.32	71.60 -3.98 -0.49	72.88 -3.92 -0.03	74.52 -3.68 0.00	77.32 -5.01 -0.22	80.53 -4.60 -0.147	83.28 -4.12 -0.503	117.77 -5.86 -0.155	91.31 -3.90 -0.668	86.44 -3.51 -0.440	87.08 -4.12 -0.538	81.04 -4.52 -0.336	79.40 -5.24 -0.269	79.82 -4.75 -0.271
STILLWATER___SOLAR 323814	68.66 3.95 0.00	66.92 3.79 0.00	69.59 4.00 0.00	69.59 4.00 0.00	69.66 4.01 0.00	66.38 3.88 0.00	211.67 4.82 -136.90	281.86 5.76 -193.84	189.00 5.76 -100.88	85.48 5.45 0.00	89.33 5.34 -0.180	82.78 4.73 -0.296	81.84 4.92 -0.15	83.28 5.08 0.00	88.76 5.33 -0.132	98.34 5.85 -0.883	114.77 5.93 -0.2647	135.34 9.16 -0.409	174.37 6.72 -0.7912	153.64 6.42 -0.6167	123.81 6.35 -0.3164	106.94 5.75 -0.1899	102.73 5.58 -0.1520	102.48 5.32 -0.1530
STONY___BROOK 24151	80.87 7.12 -9.04	78.39 6.88 -8.37	77.89 6.95 -5.35	77.84 6.89 -5.37	78.66 6.89 -6.11	86.37 6.94 -16.93	106.28 8.39 -27.94	126.02 10.77 -32.98	109.42 10.95 -16.11	94.79 10.56 -0.19	99.77 10.93 -0.665	91.45 9.91 -0.645	91.37 10.21 -0.439	92.40 10.09 -0.411	99.42 11.01 -0.630	111.87 11.71 -0.1650	132.72 11.94 -0.3841	177.17 17.46 -0.3763	154.91 13.02 -0.5337	140.16 12.92 -0.4169	132.03 12.70 -0.3351	126.05 11.35 -0.3250	119.49 10.82 -0.2672	108.00 10.56 -0.1558
STURGEON_POOL_HYD 23609	70.54 5.82 0.00	68.75 5.62 0.00	71.30 5.71 0.00	71.10 5.51 0.00	71.30 5.65 0.00	68.44 5.94 0.00	98.82 7.62 -21.24	121.47 9.13 -30.07	109.06 9.39 -17.31	88.84 8.80 0.00	92.85 9.29 -0.137	85.67 8.33 -0.225	85.41 8.52 -0.12	86.72 8.52 0.00	92.47 9.36 -0.100	100.57 10.21 -0.671	124.00 10.21 -0.3142	163.45 15.63 -0.2574	142.67 11.86 -0.4228	128.95 10.95 -0.3245	123.37 11.33 -0.2622	106.59 9.95 -0.1444	103.02 9.51 -0.1156	102.50 9.00 -0.1163
ST_LAW_115_BK7_LBMP 345037	64.19 -0.52 0.00	62.50 -0.63 0.00	64.81 -0.78 0.00	64.81 -0.78 0.00	64.80 -0.86 0.00	61.63 -0.88 0.00	67.78 -2.17 0.00	79.47 -2.80 0.00	79.47 -2.88 0.00	77.23 -2.80 0.00	79.56 -2.63 0.00	72.84 -2.25 0.00	74.54 -2.23 0.00	75.77 -2.42 0.00	79.65 -2.46 0.00	80.81 -2.84 0.00	79.65 -2.72 0.00	83.58 -4.51 0.00	82.34 -3.63 0.00	82.21 -3.34 0.00	82.47 -3.35 0.00	79.73 -2.46 0.00	79.74 -2.21 0.00	79.90 -1.97 0.00



ST_LAW_115_BK8_LBMP 345038	64.19 -0.52 0.00	62.50 -0.63 0.00	64.81 -0.78 0.00	64.81 -0.78 0.00	64.80 -0.86 0.00	61.63 -0.88 0.00	67.78 -2.17 0.00	79.47 -2.80 0.00	79.47 -2.88 0.00	77.23 -2.80 0.00	79.56 -2.63 0.00	72.84 -2.25 0.00	74.54 -2.23 0.00	75.77 -2.42 0.00	79.65 -2.46 0.00	80.81 -2.84 0.00	79.65 -2.72 0.00	83.58 -4.51 33.99	82.34 -3.63 2.55	82.21 -3.34 0.00	82.47 -3.35 0.00	79.73 -2.46 0.00	79.74 -2.21 0.00	79.90 -1.97 0.00
ST_LAW_230_BK5_LBMP 345035	64.19 -0.52 0.00	62.50 -0.63 0.00	64.81 -0.78 0.00	64.81 -0.78 0.00	64.87 -0.78 0.00	61.63 -0.88 0.00	67.92 -2.03 0.00	79.63 -2.64 0.00	79.64 -2.72 0.00	77.40 -2.64 0.00	79.72 -2.46 0.00	72.99 -2.10 0.00	74.70 -2.07 0.00	75.93 -2.27 0.00	79.72 -2.38 0.00	80.98 -2.68 0.00	79.81 -2.55 0.00	83.23 -4.15 34.70	82.56 -3.36 2.60	82.47 -3.08 0.00	82.65 -3.17 0.00	79.81 -2.39 0.00	79.90 -2.05 0.00	79.98 -1.88 0.00
ST_LAW_230_BK6_LBMP 345036	64.19 -0.52 0.00	62.50 -0.63 0.00	64.81 -0.78 0.00	64.81 -0.78 0.00	64.87 -0.78 0.00	61.63 -0.88 0.00	67.92 -2.03 0.00	79.63 -2.64 0.00	79.64 -2.72 0.00	77.40 -2.64 0.00	79.72 -2.46 0.00	72.99 -2.10 0.00	74.70 -2.07 0.00	75.93 -2.27 0.00	79.72 -2.38 0.00	80.98 -2.68 0.00	79.81 -2.55 0.00	83.23 -4.15 34.70	82.56 -3.36 2.60	82.47 -3.08 0.00	82.65 -3.17 0.00	79.81 -2.39 0.00	79.90 -2.05 0.00	79.98 -1.88 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	68.02 3.30 0.00	66.29 3.16 0.00	68.81 3.21 0.00	68.67 3.08 0.00	68.81 3.15 0.00	65.82 3.31 0.00	86.43 4.27 -12.21	104.99 5.43 -17.29	98.90 5.93 -10.61	85.88 5.84 0.00	89.68 6.25 -1.25	82.84 5.71 -2.04	82.79 5.91 -0.11	84.06 5.86 0.00	89.34 6.32 -0.91	96.45 6.69 -6.10	121.14 6.67 -32.10	162.85 9.77 -30.99	136.10 7.35 -40.23	124.43 7.10 -31.78	117.39 7.04 -24.54	101.59 6.25 -13.14	98.37 5.90 -10.52	97.85 5.40 -10.59
SWANROAD_115KV_TB1 355699	56.63 -8.09 0.00	55.37 -7.77 0.00	57.06 -8.53 0.00	57.20 -8.40 0.00	57.32 -8.34 0.00	55.57 -6.94 0.00	64.08 -5.88 0.00	73.96 -8.31 0.00	73.78 -9.14 -0.56	70.67 -9.36 0.00	71.89 -10.52 -0.22	65.32 -10.06 -0.29	66.12 -10.67 -0.02	67.56 -10.64 0.00	70.83 -11.41 -0.13	73.56 -10.96 -0.86	74.32 -11.04 -2.99	105.41 -17.70 -1.03	81.01 -11.77 -4.26	77.08 -11.38 -2.90	77.90 -11.07 -3.15	73.73 -10.77 -2.30	72.97 -10.82 -1.84	74.13 -9.58 -1.85
SYNERGY___BIOGAS 323694	59.93 -4.79 0.00	58.40 -4.74 0.00	60.34 -5.25 0.00	60.54 -5.05 0.00	60.66 -4.99 0.00	58.63 -3.88 0.00	68.07 -1.89 0.00	79.14 -3.13 0.00	78.92 -3.95 -0.51	75.39 -4.64 0.00	76.72 -5.67 -0.20	69.60 -5.78 -0.29	70.64 -6.14 -0.02	72.25 -5.95 0.00	75.84 -6.40 -0.13	79.01 -5.52 -0.87	79.25 -5.77 -2.65	113.35 -8.91 -0.17	86.53 -5.57 -3.58	82.18 -5.56 -2.19	83.63 -5.32 -3.13	78.82 -5.51 -2.13	77.84 -5.82 -1.70	78.58 -5.00 -1.71
SYRACUSE___ENERGY_ST1 323597	64.07 -0.65 0.00	62.50 -0.63 0.00	64.94 -0.66 0.00	64.94 -0.66 0.00	65.07 -0.59 0.00	62.19 -0.31 0.00	70.51 0.56 0.00	82.84 0.58 0.00	82.77 0.41 0.00	80.28 0.24 0.00	82.43 0.08 -0.16	75.20 -0.15 -0.26	76.63 -0.15 -0.01	78.20 0.00 0.00	82.31 0.08 -0.12	84.77 0.33 -0.77	84.97 0.25 -2.35	122.58 0.49 0.00	90.24 0.62 -1.09	86.17 0.60 -0.02	89.12 0.51 -2.78	84.11 0.25 -1.67	83.20 -0.08 -1.33	83.20 0.00 -1.34
SYRACUSE___ENERGY_ST2 323598	64.07 -0.65 0.00	62.50 -0.63 0.00	64.94 -0.66 0.00	64.94 -0.66 0.00	65.07 -0.59 0.00	62.19 -0.31 0.00	70.51 0.56 0.00	82.84 0.58 0.00	82.77 0.41 0.00	80.28 0.24 0.00	82.43 0.08 -0.16	75.20 -0.15 -0.26	76.63 -0.15 -0.01	78.20 0.00 0.00	82.31 0.08 -0.12	84.77 0.33 -0.77	84.97 0.25 -2.35	122.58 0.49 0.00	90.24 0.62 -1.09	86.17 0.60 -0.02	89.12 0.51 -2.78	84.11 0.25 -1.67	83.20 -0.08 -1.33	83.20 0.00 -1.34
SYRACUSE___POWER 24017	63.87 -0.84 0.00	62.31 -0.82 0.00	64.67 -0.92 0.00	64.67 -0.92 0.00	64.87 -0.79 0.00	62.00 -0.50 0.00	70.23 0.28 0.00	82.60 0.33 0.00	82.52 0.16 0.00	80.04 0.00 0.00	82.18 -0.16 -0.16	74.98 -0.38 -0.26	76.40 -0.38 -0.01	77.96 -0.23 0.00	81.98 -0.25 -0.12	84.53 0.08 -0.79	84.76 0.00 -2.40	122.21 0.12 0.00	89.99 0.35 -1.11	85.83 0.26 -0.02	88.82 0.17 -2.83	83.81 -0.08 -1.70	82.98 -0.33 -1.36	82.90 -0.33 -1.37
TALLMAN___138KV_BK151 55660	68.14 3.43 0.00	66.42 3.28 0.00	68.94 3.35 0.00	68.81 3.21 0.00	68.94 3.28 0.00	66.00 3.50 0.00	86.99 4.55 -12.49	105.80 5.84 -17.69	99.55 6.34 -10.85	86.36 6.32 0.00	90.29 6.82 -1.28	83.42 6.23 -2.10	83.33 6.45 -0.11	84.61 6.41 0.00	89.94 6.90 -0.94	97.12 7.19 -6.27	122.91 7.25 -33.29	165.12 10.50 -32.54	138.11 7.88 -41.70	126.22 7.61 -33.05	118.72 7.64 -25.26	102.43 6.74 -13.49	99.06 6.31 -10.80	98.46 5.73 -10.87
TEALLAVE_115KV_TB7 355573	63.42 -1.29 0.00	61.87 -1.26 0.00	64.28 -1.31 0.00	64.28 -1.31 0.00	64.41 -1.25 0.00	61.57 -0.94 0.00	69.74 -0.21 0.00	82.02 -0.25 0.00	82.03 -0.33 0.00	79.56 -0.48 0.00	81.66 -0.66 -0.13	74.48 -0.83 -0.22	75.94 -0.84 -0.01	77.49 -0.70 0.00	81.55 -0.66 -0.10	83.89 -0.42 -0.65	83.86 -0.49 -1.99	121.23 -0.85 0.00	89.09 -0.35 -0.92	85.22 -0.34 -0.02	87.74 -0.43 -2.35	82.95 -0.66 -1.41	82.18 -0.90 -1.13	82.18 -0.82 -1.13
TELGRAPH_34_KV_EAST 80808	58.50 -6.21 0.00	57.13 -6.00 0.00	58.97 -6.62 0.00	59.10 -6.49 0.00	59.29 -6.37 0.00	57.44 -5.06 0.00	66.31 -3.64 0.00	76.92 -5.35 0.00	76.71 -6.18 -0.53	73.39 -6.64 0.00	74.75 -7.64 -0.21	67.87 -7.51 -0.29	68.80 -7.98 -0.02	70.30 -7.90 0.00	73.70 -8.54 -0.13	76.67 -7.86 -0.87	77.54 -7.82 -3.00	110.36 -12.70 -0.97	84.41 -8.23 -4.11	80.26 -8.04 -2.76	81.20 -7.81 -3.19	76.58 -7.81 -2.19	75.75 -7.95 -1.75	76.67 -6.96 -1.76
TEMPLE___115KV_TB 2 55572	63.49 -1.23 0.00	61.93 -1.20 0.00	64.34 -1.25 0.00	64.34 -1.25 0.00	64.47 -1.18 0.00	61.63 -0.88 0.00	69.81 -0.14 0.00	82.10 -0.16 0.00	82.11 -0.25 0.00	79.64 -0.40 0.00	81.75 -0.58 -0.14	74.56 -0.75 -0.22	76.02 -0.77 -0.01	77.57 -0.63 0.00	81.55 -0.66 -0.10	83.90 -0.42 -0.66	83.98 -0.41 -2.02	121.36 -0.73 0.00	89.20 -0.27 -0.94	85.31 -0.26 -0.02	87.86 -0.34 -2.39	83.05 -0.58 -1.43	82.27 -0.82 -1.14	82.28 -0.74 -1.15
TIANA____69_KV_BK 1 55817	81.36 7.64 -9.01	78.87 7.39 -8.35	78.32 7.41 -5.32	78.20 7.28 -5.33	79.16 7.42 -6.08	87.01 7.56 -16.94	107.04 9.16 -27.93	126.78 11.60 -32.91	110.12 11.78 -15.99	95.24 11.05 -4.16	99.92 11.26 -6.47	91.46 10.06 -6.31	91.38 10.36 -4.25	92.41 10.24 -3.97	99.65 11.41 -6.12	112.18 12.21 -16.31	133.36 12.68 -38.31	178.55 18.92 -37.54	155.74 14.08 -53.14	140.63 13.60 -41.47	132.49 13.39 -33.28	126.55 11.92 -32.43	119.84 11.23 -26.66	108.55 11.21 -15.47
TILDEN___115KV_TB1 80814	63.87 -0.84 0.00	62.31 -0.82 0.00	64.67 -0.92 0.00	64.67 -0.92 0.00	64.87 -0.79 0.00	62.00 -0.50 0.00	70.23 0.28 0.00	82.60 0.33 0.00	82.52 0.16 0.00	80.04 0.00 0.00	82.18 -0.16 -0.16	74.98 -0.38 -0.26	76.40 -0.38 -0.01	77.96 -0.23 0.00	81.98 -0.25 -0.12	84.53 0.08 -0.79	84.76 0.00 -2.40	122.21 0.12 0.00	89.99 0.35 -1.11	85.83 0.26 -0.02	88.82 0.17 -2.83	83.81 -0.08 -1.70	82.98 -0.33 -1.36	82.90 -0.33 -1.37



TRIGEN___CC 323695	83.15 5.50 -12.93	80.49 5.30 -12.05	81.59 5.38 -10.62	81.48 5.25 -10.64	81.75 5.32 -10.78	82.16 5.44 -14.22	107.37 6.72 -30.71	136.40 8.47 -45.66	129.80 9.14 -38.30	97.31 8.96 -8.31	130.47 9.37 -38.91	116.01 8.56 -32.36	116.00 8.83 -30.40	116.11 8.84 -29.08	130.17 9.44 -38.62	144.25 9.87 -50.72	149.83 9.88 -57.58	189.52 14.28 -53.15	193.73 10.62 -94.58	177.20 10.35 -81.30	172.51 10.38 -76.31	137.72 9.29 -46.23	129.03 8.93 -38.15	125.21 8.43 -34.92
TRINITY___115KV___4 BK 55933	67.30 2.59 0.00	65.66 2.53 0.00	68.28 2.69 0.00	68.21 2.62 0.00	68.35 2.69 0.00	65.00 2.50 0.00	143.69 2.87 -70.87	186.07 3.46 -100.34	139.66 3.71 -53.60	83.88 3.84 0.00	87.72 3.78 -1.75	81.42 3.45 -2.88	80.45 3.53 -0.15	81.80 3.60 0.00	86.92 3.53 -1.28	95.51 3.26 -8.59	110.53 2.88 -25.28	127.04 3.78 -1.17	143.31 2.83 -51.96	125.21 2.82 -36.84	119.34 2.83 -30.69	103.47 2.79 -18.48	100.18 3.44 -14.79	100.43 3.68 -14.88
UNION___PROCESSING_DRP 323587	60.90 -3.82 0.00	59.34 -3.79 0.00	61.46 -4.13 0.00	61.52 -4.07 0.00	61.72 -3.94 0.00	59.44 -3.06 0.00	68.06 -1.89 0.00	79.55 -2.71 0.00	79.51 -3.29 -0.44	76.36 -3.68 0.00	78.50 -3.86 -0.18	71.48 -3.90 -0.30	72.18 -4.61 -0.02	73.74 -4.46 0.00	77.89 -4.35 -0.13	80.86 -3.68 -0.88	81.27 -3.79 -2.69	115.52 -6.71 -0.15	87.90 -3.90 -3.27	83.42 -4.02 -1.89	85.39 -3.60 -3.18	80.37 -3.70 -1.87	79.51 -3.93 -1.50	79.93 -3.44 -1.51
UPPER HUDSON___HYD 24058	69.12 4.40 0.00	67.18 4.04 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.76 4.25 0.00	218.23 5.52 -142.75	291.06 6.66 -202.13	194.01 6.59 -105.06	86.12 6.08 0.00	89.92 5.92 -1.81	83.39 5.33 -2.97	82.38 5.45 -0.15	83.83 5.63 0.00	89.42 5.99 -1.33	99.06 6.53 -8.88	115.60 6.76 -26.48	136.69 10.62 -3.99	177.59 7.70 -81.36	156.65 7.44 -63.66	124.81 7.21 -31.78	107.78 6.49 -19.09	103.38 6.15 -15.28	103.13 5.90 -15.38
UPPER RAQUET___HYD 24056	64.33 -0.39 0.00	62.50 -0.63 0.00	64.81 -0.78 0.00	64.81 -0.78 0.00	64.87 -0.78 0.00	61.63 -0.88 0.00	67.44 -2.52 0.00	78.32 -3.95 0.00	78.24 -4.12 0.00	75.87 -4.17 0.00	78.24 -3.94 0.00	71.64 -3.45 0.00	73.70 -3.07 0.00	74.99 -3.21 0.00	78.82 -3.29 0.00	80.06 -3.59 0.00	78.42 -3.95 0.00	87.18 -7.82 27.10	81.09 -5.40 2.03	80.68 -4.87 0.00	80.76 -5.06 0.00	79.40 -2.80 0.00	79.90 -2.05 0.00	80.22 -1.64 0.00
VALLEY44_115KV_TB2 355964	60.51 -4.21 0.00	59.22 -3.91 0.00	60.93 -4.66 0.00	61.07 -4.53 0.00	61.26 -4.40 0.00	59.19 -3.31 0.00	68.20 -1.75 0.00	78.32 -3.95 0.00	78.60 -4.45 -0.69	75.24 -4.80 0.00	73.58 -8.88 -0.26	66.98 -8.49 -0.37	70.65 -6.14 -0.02	72.10 -6.10 0.00	73.16 -9.11 -0.17	75.64 -9.12 -1.10	77.77 -8.40 -3.80	113.46 -9.89 -1.26	85.23 -8.59 -5.29	81.59 -7.53 -3.57	80.75 -9.10 -4.03	75.85 -9.12 -2.77	74.66 -9.51 -2.22	76.15 -7.94 -2.23
VALLEY___115KV_TB 1-4 80826	65.30 0.58 0.00	63.70 0.57 0.00	66.25 0.66 0.00	66.18 0.59 0.00	66.31 0.66 0.00	63.25 0.75 0.00	71.07 1.12 0.00	83.59 1.32 0.00	83.84 1.48 0.00	81.40 1.36 0.00	83.59 1.40 0.00	76.37 1.28 0.00	78.08 1.31 0.00	79.53 1.33 0.00	83.50 1.40 0.00	85.08 1.42 0.00	83.69 1.32 0.00	125.96 1.95 -1.91	90.17 1.50 -0.14	87.00 1.45 0.00	87.28 1.46 0.00	83.68 1.48 0.00	83.42 1.48 0.00	83.33 1.47 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	68.40 3.69 0.00	66.92 3.79 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.73 4.07 0.00	66.63 4.13 0.00	94.68 5.39 -19.34	116.32 6.66 -27.38	104.41 6.92 -15.14	86.20 6.16 0.00	88.88 6.08 -0.61	81.42 5.33 -1.00	82.50 5.68 -0.05	83.99 5.79 0.00	88.63 6.08 -0.44	93.16 6.53 -2.97	98.96 6.42 -10.17	135.73 10.13 -3.51	115.61 7.70 -19.38	107.29 7.44 -14.29	104.27 7.55 -10.90	95.46 6.82 -6.44	93.50 6.39 -5.16	93.35 6.30 -5.19
VISCHER___FERRY HYD 24020	68.14 3.43 0.00	66.48 3.34 0.00	69.13 3.54 0.00	69.13 3.54 0.00	69.20 3.54 0.00	65.88 3.37 0.00	191.09 4.06 -117.08	252.90 4.85 -165.78	174.11 5.02 -86.73	85.00 4.96 0.00	88.89 4.93 -1.78	82.43 4.43 -2.91	81.53 4.61 -0.15	82.81 4.61 0.00	88.33 4.93 -1.30	97.46 5.10 -8.70	113.83 5.03 -26.44	133.86 7.45 -4.32	165.60 5.58 -71.50	145.81 5.39 -54.87	122.39 5.32 -31.24	105.84 4.93 -18.71	101.76 4.83 -14.98	101.52 4.58 -15.07
V_A_10_SYNC_DSASP 323832	58.50 -6.21 0.00	57.13 -6.00 0.00	59.03 -6.56 0.00	59.17 -6.43 0.00	59.22 -6.43 0.00	57.07 -5.44 0.00	65.76 -4.20 0.00	76.27 -6.00 0.00	76.19 -6.67 -0.50	73.07 -6.96 0.00	75.15 -7.23 -0.20	68.39 -7.06 -0.36	68.73 -8.06 -0.02	70.22 -7.98 0.00	74.22 -8.04 -0.16	77.37 -7.36 -1.08	77.73 -7.91 -3.27	109.31 -12.94 -0.17	84.26 -8.06 -3.79	79.62 -8.04 -2.12	82.22 -7.47 -3.87	76.95 -7.32 -2.07	76.23 -7.38 -1.65	77.14 -6.39 -1.66
V_CMM_10_SYNC_DSASP 323787	64.52 -0.19 0.00	62.76 -0.38 0.00	65.06 -0.53 0.00	65.06 -0.53 0.00	65.13 -0.53 0.00	61.88 -0.62 0.00	68.13 -1.82 0.00	79.80 -2.47 0.00	79.80 -2.55 0.00	77.56 -2.48 0.00	79.97 -2.22 0.00	73.22 -1.87 0.00	74.86 -1.92 0.00	76.17 -2.03 0.00	79.97 -2.14 0.00	81.15 -2.51 0.00	79.98 -2.39 0.00	84.07 -4.03 33.99	82.70 -3.27 2.55	82.55 -3.00 0.00	82.81 -3.01 0.00	80.06 -2.14 0.00	80.15 -1.80 0.00	80.22 -1.64 0.00
V_CMP_10_SYNC_DSASP 323788	64.26 -0.45 0.00	62.38 -0.75 0.00	64.74 -0.85 0.00	64.67 -0.92 0.00	64.67 -0.98 0.00	61.63 -0.88 0.00	67.36 -2.59 0.00	78.16 -4.11 0.00	78.16 -4.20 0.00	75.87 -4.17 0.00	79.15 -3.04 0.00	72.24 -2.85 0.00	73.93 -2.84 0.00	75.23 -2.97 0.00	79.07 -3.04 0.00	80.39 -3.26 0.00	79.41 -2.96 0.00	82.13 -5.86 34.10	81.99 -3.98 2.56	81.79 -3.76 0.00	82.13 -3.69 0.00	79.40 -2.80 0.00	79.66 -2.29 0.00	80.47 -1.39 0.00
V_D_10_SYNC_DSASP 323841	64.71 0.00 0.00	62.94 -0.19 0.00	65.26 -0.33 0.00	65.26 -0.33 0.00	65.26 -0.39 0.00	62.07 -0.43 0.00	68.35 -1.61 0.00	79.88 -2.39 0.00	79.89 -2.47 0.00	77.64 -2.40 0.00	79.97 -2.22 0.00	73.22 -1.87 0.00	75.01 -1.76 0.00	76.25 -1.95 0.00	80.06 -2.05 0.00	81.32 -2.34 0.00	79.98 -2.39 0.00	84.07 -5.12 32.89	82.43 -3.63 2.47	82.39 -3.16 0.00	82.47 -3.35 0.00	80.31 -1.89 0.00	80.39 -1.56 0.00	80.55 -1.31 0.00
V_E_10_SYNC_DSASP 323830	68.86 4.15 0.00	67.23 4.10 0.00	69.66 4.07 0.00	69.79 4.20 0.00	69.86 4.21 0.00	67.51 5.00 0.00	86.03 7.14 -8.94	103.65 8.72 -12.66	98.05 8.48 -7.21	87.08 7.04 0.00	88.96 6.33 -0.44	81.22 5.41 -0.72	82.80 5.99 -0.04	84.53 6.33 0.00	89.33 6.90 -0.32	93.49 7.69 -2.14	97.43 7.74 -7.33	137.60 13.19 -2.33	109.77 9.83 -11.42	102.74 9.24 -7.95	102.95 9.27 -7.86	95.09 8.22 -4.67	93.07 7.38 -3.74	93.15 7.53 -3.76
V_F_30_NSYNC___DSASP 323816	68.73 4.01 0.00	66.92 3.79 0.00	69.66 4.07 0.00	69.59 4.00 0.00	69.66 4.01 0.00	66.38 3.88 0.00	214.37 4.89 -139.52	285.66 5.84 -197.55	190.96 5.85 -102.75	85.56 5.52 0.00	89.33 5.34 -1.81	82.86 4.81 -2.96	81.91 4.99 -0.15	83.28 5.08 0.00	88.85 5.42 -1.32	98.36 5.85 -8.85	114.85 6.01 -26.47	135.29 9.16 -4.05	175.38 6.72 -80.13	154.61 6.50 -62.56	123.96 6.44 -31.70	107.07 5.84 -19.04	102.76 5.58 -15.24	102.60 5.40 -15.33



V_F_30_SYNC_DSASP 323786	67.50 2.78 0.00	65.85 2.71 0.00	68.48 2.89 0.00	68.41 2.82 0.00	68.48 2.82 0.00	65.19 2.69 0.00	162.82 3.15 -89.72	213.09 3.78 -127.03	153.41 3.95 -67.10	84.12 4.08 0.00	88.07 4.11 -1.77	81.67 3.68 -2.90	80.76 3.84 -0.15	82.11 3.91 0.00	87.26 3.86 -1.29	95.92 3.60 -8.66	111.13 3.13 -25.64	128.37 4.27 -2.01	151.43 3.19 -59.72	132.64 3.17 -43.93	119.97 3.18 -30.98	103.96 3.12 -18.63	100.55 3.69 -14.92	100.80 3.93 -15.01
V_XM_10_SYNC_DSASP 323789	64.26 -0.45 0.00	62.38 -0.75 0.00	64.74 -0.85 0.00	64.67 -0.92 0.00	64.67 -0.98 0.00	61.63 -0.88 0.00	67.36 -2.59 0.00	78.16 -4.11 0.00	78.16 -4.20 0.00	75.87 -4.17 0.00	79.15 -3.04 0.00	72.24 -2.85 0.00	73.93 -2.84 0.00	75.23 -2.97 0.00	79.07 -3.04 0.00	80.39 -3.26 0.00	79.41 -2.96 0.00	82.13 -5.86 34.10	81.99 -3.98 2.56	81.79 -3.76 0.00	82.13 -3.69 0.00	79.40 -2.80 0.00	79.66 -2.29 0.00	80.47 -1.39 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	68.34 3.62 0.00	66.60 3.47 0.00	69.13 3.54 0.00	68.94 3.35 0.00	69.07 3.41 0.00	66.13 3.63 0.00	87.20 4.69 -12.56	106.05 6.01 -17.78	99.86 6.59 -10.91	86.60 6.56 0.00	90.46 6.99 -1.29	83.58 6.38 -2.11	83.48 6.60 -0.11	84.85 6.65 0.00	90.11 7.06 -0.94	97.32 7.36 -6.30	123.34 7.41 -33.56	165.72 10.74 -32.88	138.62 8.06 -42.04	126.68 7.79 -33.34	119.05 7.81 -25.42	102.68 6.90 -13.57	99.29 6.47 -10.87	98.77 5.98 -10.93
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	69.05 4.34 0.00	67.36 4.23 0.00	69.79 4.20 0.00	69.59 4.00 0.00	69.79 4.14 0.00	66.88 4.38 0.00	88.53 5.60 -12.99	107.90 7.24 -18.39	101.55 7.91 -11.28	87.96 7.92 0.00	92.15 8.63 -1.34	85.09 7.81 -2.19	84.95 8.06 -0.11	86.25 8.05 0.00	91.79 8.70 -0.98	99.32 9.12 -6.54	126.58 8.98 -35.24	170.08 12.94 -35.05	142.22 9.56 -44.13	130.02 9.32 -35.15	121.63 9.35 -26.45	104.58 8.30 -14.08	101.09 7.87 -11.27	100.49 7.29 -11.34
W50THST__13_KV_LOAD 356117	69.37 4.66 0.00	67.61 4.48 0.00	70.05 4.46 0.00	69.85 4.26 0.00	70.06 4.40 0.00	67.19 4.69 0.00	88.88 5.95 -12.99	108.39 7.73 -18.39	102.12 8.48 -11.28	88.60 8.56 0.00	92.81 9.29 -1.34	85.69 8.41 -2.19	85.56 8.68 -0.11	86.88 8.68 0.00	92.45 9.36 -0.98	99.99 9.79 -6.54	127.24 9.64 -35.24	170.94 13.80 -35.05	142.75 10.09 -44.13	130.54 9.84 -35.15	122.14 9.87 -26.45	104.99 8.71 -14.08	101.66 8.44 -11.27	100.90 7.69 -11.34
WADING RIVER_IC_1 23522	81.16 7.44 -9.01	78.61 7.13 -8.35	78.12 7.22 -5.32	78.14 7.22 -5.33	78.89 7.16 -6.08	86.69 7.25 -16.94	106.62 8.74 -27.92	126.45 11.27 -32.91	109.62 11.28 -15.97	94.92 10.73 -4.16	99.73 11.09 -6.45	91.30 9.91 -6.30	91.22 10.21 -4.23	92.25 10.09 -3.96	99.47 11.25 -6.11	111.91 11.96 -16.29	132.94 12.28 -38.30	178.17 18.55 -37.53	155.45 13.80 -53.12	140.44 13.43 -41.45	132.11 13.04 -33.25	126.21 11.59 -32.42	119.67 11.06 -26.66	108.30 10.97 -15.46
WADING RIVER_IC_2 23547	81.16 7.44 -9.01	78.61 7.13 -8.35	78.12 7.22 -5.32	78.14 7.22 -5.33	78.89 7.16 -6.08	86.69 7.25 -16.94	106.62 8.74 -27.92	126.45 11.27 -32.91	109.62 11.28 -15.97	94.92 10.73 -4.16	99.73 11.09 -6.45	91.30 9.91 -6.30	91.22 10.21 -4.23	92.25 10.09 -3.96	99.47 11.25 -6.11	111.91 11.96 -16.29	132.94 12.28 -38.30	178.17 18.55 -37.53	155.45 13.80 -53.12	140.44 13.43 -41.45	132.11 13.04 -33.25	126.21 11.59 -32.42	119.67 11.06 -26.66	108.30 10.97 -15.46
WADING RIVER_IC_3 23601	81.16 7.44 -9.01	78.61 7.13 -8.35	78.12 7.22 -5.32	78.14 7.22 -5.33	78.89 7.16 -6.08	86.69 7.25 -16.94	106.62 8.74 -27.92	126.45 11.27 -32.91	109.62 11.28 -15.97	94.92 10.73 -4.16	99.73 11.09 -6.45	91.30 9.91 -6.30	91.22 10.21 -4.23	92.25 10.09 -3.96	99.47 11.25 -6.11	111.91 11.96 -16.29	132.94 12.28 -38.30	178.17 18.55 -37.53	155.45 13.80 -53.12	140.44 13.43 -41.45	132.11 13.04 -33.25	126.21 11.59 -32.42	119.67 11.06 -26.66	108.30 10.97 -15.46
WALDENNY_12_KV_BK2 80841	58.76 -5.95 0.00	57.45 -5.68 0.00	59.23 -6.36 0.00	59.36 -6.23 0.00	59.48 -6.17 0.00	57.69 -4.81 0.00	66.66 -3.29 0.00	77.00 -5.27 0.00	76.95 -6.01 -0.61	73.71 -6.32 0.00	74.20 -8.22 -0.23	67.45 -7.96 -0.32	68.96 -7.83 -0.02	70.38 -7.82 0.00	73.14 -9.11 -0.14	75.97 -8.62 -0.93	77.12 -8.48 -3.24	110.25 -12.94 -1.11	84.28 -8.85 -4.60	80.30 -8.38 -3.14	80.57 -8.67 -3.42	76.11 -8.55 -2.46	75.15 -8.77 -1.97	76.31 -7.53 -1.98
WALDEN__HYDRO 24148	68.73 4.01 0.00	66.98 3.85 0.00	69.53 3.94 0.00	69.33 3.74 0.00	69.53 3.87 0.00	66.57 4.06 0.00	88.67 5.18 -13.54	107.85 6.42 -19.17	100.74 6.75 -11.63	86.68 6.64 0.00	90.46 6.99 -1.29	83.59 6.38 -2.12	83.41 6.53 -0.11	84.77 6.57 0.00	90.11 7.06 -0.94	97.50 7.53 -6.32	122.98 7.58 -33.03	164.98 11.23 -31.66	138.75 8.50 -41.73	126.53 8.04 -32.94	119.33 8.15 -25.36	103.03 7.23 -13.60	99.64 6.80 -10.89	99.20 6.39 -10.96
WARRENSBURG____ 23737	69.12 4.40 0.00	67.18 4.04 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.99 4.33 0.00	66.76 4.25 0.00	218.23 5.52 -142.75	291.06 6.66 -202.13	194.01 6.59 -105.06	86.12 6.08 0.00	89.92 5.92 -1.81	83.39 5.33 -2.97	82.38 5.45 -0.15	83.83 5.63 0.00	89.42 5.99 -1.33	99.06 6.53 -8.88	115.60 6.76 -26.48	136.69 10.62 -3.99	177.59 7.70 -81.36	156.65 7.44 -63.66	124.81 7.21 -31.78	107.78 6.49 -19.09	103.38 6.15 -15.28	103.13 5.90 -15.38
WATERSIDE____6 8 9 23538	64.83 4.66 4.54	62.59 4.48 5.03	64.18 4.46 5.87	64.24 4.33 5.68	64.39 4.40 5.67	62.43 4.69 4.77	85.13 5.81 -9.37	102.34 7.57 -12.50	97.01 8.24 -6.42	88.27 8.24 0.01	97.39 8.79 -6.40	85.32 8.03 -2.20	85.18 8.29 -0.12	86.50 8.29 -0.01	95.99 8.87 -5.01	99.49 9.29 -6.55	126.83 9.23 -35.24	170.45 13.31 -35.06	131.62 10.00 -33.09	119.41 9.75 -24.11	114.59 9.78 -18.99	97.47 8.71 -6.56	101.42 8.19 -11.28	99.85 7.69 -10.30
WATKINRD_115KV_LN8_ILLION 55919	65.56 0.84 0.00	63.95 0.82 0.00	66.44 0.85 0.00	66.44 0.85 0.00	66.51 0.85 0.00	63.44 0.94 0.00	71.28 1.33 0.00	83.83 1.56 0.00	84.00 1.65 0.00	81.56 1.52 0.00	83.67 1.48 0.00	76.44 1.35 0.00	78.23 1.46 0.00	79.68 1.49 0.00	83.67 1.56 0.00	85.33 1.67 0.00	83.93 1.56 0.00	126.32 2.32 -1.91	90.44 1.77 -0.14	87.26 1.71 0.00	87.54 1.72 0.00	83.84 1.64 0.00	83.59 1.64 0.00	83.42 1.56 0.00
WATSON__69_KV_BK 1 55734	81.52 7.51 -9.30	79.08 7.32 -8.62	78.67 7.41 -5.67	78.49 7.22 -5.68	79.41 7.35 -6.40	86.84 7.44 -16.90	107.19 9.09 -28.14	127.44 11.52 -33.65	111.32 11.78 -17.19	95.67 11.21 -4.43	101.98 11.59 -8.21	93.23 10.44 -7.71	93.25 10.82 -5.65	94.23 10.71 -5.32	101.72 11.74 -7.87	114.30 12.46 -18.17	134.47 12.77 -39.34	179.27 18.80 -38.38	157.97 14.08 -55.37	142.76 13.60 -43.61	134.79 13.39 -35.58	127.52 12.08 -33.24	120.76 11.47 -27.34	109.51 11.13 -16.52
WDELAWARE__HYD 323627	69.05 4.34 0.00	67.36 4.23 0.00	69.92 4.33 0.00	69.85 4.26 0.00	69.92 4.27 0.00	67.13 4.63 0.00	90.41 5.88 -14.58	110.00 7.08 -20.65	101.90 7.25 -12.30	86.84 6.80 0.00	90.39 6.98 -1.22	83.40 6.31 -2.00	83.33 6.45 -0.10	84.69 6.49 0.00	90.06 7.06 -0.89	97.32 7.69 -5.97	119.68 7.83 -29.48	160.45 12.21 -26.16	135.65 9.21 -37.92	123.53 8.55 -29.42	118.29 8.84 -23.63	102.78 7.72 -12.85	99.62 7.38 -10.29	99.17 6.95 -10.35



WEST BABYLON___IC 23714	81.64 7.05 -9.87	79.18 6.88 -9.16	78.90 6.95 -6.36	78.72 6.76 -6.37	79.58 6.89 -7.03	86.29 7.00 -16.79	107.22 8.60 -28.66	128.48 10.86 -35.36	113.55 11.28 -19.91	95.81 10.81 -4.97	105.51 11.18 -12.14	96.09 10.14 -10.87	96.03 10.44 -8.82	96.96 10.40 -8.36	105.25 11.33 -11.81	118.11 12.05 -22.40	136.15 12.11 -41.68	179.94 17.58 -40.27	162.06 13.10 -60.43	146.74 12.75 -48.44	139.24 12.62 -40.80	128.74 11.43 -35.12	121.84 10.98 -28.91	111.31 10.56 -18.89
WEST CANADA___HYD 24049	65.04 0.33 0.00	63.45 0.32 0.00	65.99 0.40 0.00	65.99 0.40 0.00	66.05 0.40 0.00	62.95 0.44 0.00	70.58 0.63 0.00	83.09 0.82 0.00	83.18 0.82 0.00	80.84 0.80 0.00	82.93 0.74 0.00	75.76 0.67 0.00	77.54 0.77 0.00	78.98 0.78 0.00	82.93 0.82 0.00	84.58 0.92 0.00	83.19 0.82 0.00	125.22 1.22 -1.91	89.64 0.98 -0.14	86.49 0.94 0.00	86.77 0.95 0.00	83.02 0.82 0.00	82.77 0.82 0.00	82.60 0.74 0.00
WESTERN_NY_WIND 24143	59.73 -4.98 0.00	58.27 -4.86 0.00	60.21 -5.38 0.00	60.34 -5.25 0.00	60.54 -5.12 0.00	58.69 -3.81 0.00	67.85 -2.10 0.00	78.90 -3.37 0.00	78.68 -4.20 -0.52	75.16 -4.88 0.00	76.56 -5.84 -0.20	69.45 -5.93 -0.29	70.42 -6.37 -0.02	72.02 -6.18 0.00	75.59 -6.65 -0.13	78.76 -5.77 -0.87	79.33 -5.68 -2.65	112.98 -9.28 -0.17	86.29 -5.84 -3.61	81.95 -5.82 -2.22	83.37 -5.58 -3.13	78.60 -5.75 -2.15	77.61 -6.06 -1.72	78.44 -5.16 -1.73
WESTOVER___LESR 323668	64.52 -0.19 0.00	63.01 -0.13 0.00	65.39 -0.20 0.00	65.33 -0.26 0.00	65.53 -0.13 0.00	62.63 0.13 0.00	77.04 1.19 -5.90	91.70 1.07 -8.36	88.25 0.91 -4.99	80.68 0.64 0.00	82.65 0.00 -0.46	75.60 -0.23 -0.74	76.89 0.08 -0.04	78.43 0.23 0.00	82.44 0.00 -0.33	86.11 0.25 -2.21	90.23 0.33 -7.54	125.23 0.85 -2.29	99.36 0.71 -10.13	93.01 0.77 -6.69	94.41 0.51 -8.08	87.21 0.16 -4.84	85.74 -0.08 -3.88	85.93 0.16 -3.90
WETHRSFD_WT_PWR 323626	59.08 -5.63 0.00	57.77 -5.37 0.00	59.69 -5.90 0.00	59.75 -5.84 0.00	59.94 -5.71 0.00	57.82 -4.69 0.00	66.80 -3.15 0.00	77.41 -4.85 0.00	77.62 -5.44 -0.70	74.20 -5.84 0.00	74.98 -7.48 -0.27	68.04 -7.44 -0.39	69.42 -7.37 -0.02	70.77 -7.43 0.00	73.66 -8.62 -0.17	76.60 -8.20 -1.14	78.39 -7.91 -3.93	111.65 -11.72 -1.28	85.98 -7.97 -5.42	81.57 -7.61 -3.64	82.11 -7.89 -4.18	77.21 -7.81 -2.82	76.09 -8.11 -2.26	77.01 -7.12 -2.27
WHAVSTOR_138KV_BK127 55557	68.08 3.37 0.00	66.35 3.22 0.00	68.87 3.28 0.00	68.67 3.08 0.00	68.87 3.22 0.00	65.88 3.38 0.00	86.93 4.41 -12.57	105.74 5.68 -17.80	99.54 6.26 -10.92	86.28 6.24 0.00	90.22 6.74 -1.29	83.36 6.16 -2.11	83.25 6.37 -0.11	84.53 6.33 0.00	89.78 6.73 -0.94	97.08 7.11 -6.31	123.06 7.08 -33.61	165.30 10.26 -32.95	138.33 7.70 -42.10	126.39 7.44 -33.40	118.74 7.47 -25.45	102.37 6.58 -13.59	98.97 6.15 -10.88	98.46 5.65 -10.95
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	68.08 3.37 0.00	66.35 3.22 0.00	68.87 3.28 0.00	68.67 3.08 0.00	68.87 3.22 0.00	65.88 3.38 0.00	86.93 4.41 -12.57	105.74 5.68 -17.80	99.54 6.26 -10.92	86.28 6.24 0.00	90.22 6.74 -1.29	83.36 6.16 -2.11	83.25 6.37 -0.11	84.53 6.33 0.00	89.78 6.73 -0.94	97.08 7.11 -6.31	123.06 7.08 -33.61	165.30 10.26 -32.95	138.33 7.70 -42.10	126.39 7.44 -33.40	118.74 7.47 -25.45	102.37 6.58 -13.59	98.97 6.15 -10.88	98.46 5.65 -10.95
WHITEHAL_115KV_TB1 80871	70.34 5.63 0.00	68.25 5.11 0.00	71.04 5.44 0.00	70.90 5.31 0.00	71.11 5.45 0.00	67.88 5.38 0.00	218.43 7.07 -141.41	290.97 8.47 -200.23	194.78 8.32 -104.10	87.72 7.68 0.00	91.39 7.40 -1.81	84.67 6.61 -2.97	83.68 6.76 -0.15	85.24 7.04 0.00	90.82 7.39 -1.32	100.72 8.20 -8.87	117.41 8.57 -26.47	139.65 13.55 -4.01	179.11 9.74 -80.85	158.16 9.41 -63.20	126.66 9.10 -31.74	109.40 8.14 -19.07	104.83 7.62 -15.26	104.59 7.37 -15.36
WHITEPLN_13_KV_LOAD 356215	69.37 4.66 0.00	67.61 4.48 0.00	70.12 4.53 0.00	69.92 4.33 0.00	70.06 4.40 0.00	67.07 4.56 0.00	88.86 5.95 -12.96	108.19 7.57 -18.36	101.94 8.32 -11.26	88.12 8.08 0.00	92.23 8.71 -1.33	85.23 7.96 -2.19	85.18 8.29 -0.11	86.41 8.21 0.00	91.87 8.79 -0.97	99.47 9.29 -6.53	126.83 9.31 -35.15	170.83 13.80 -34.95	142.64 10.09 -44.03	130.45 9.84 -35.06	121.92 9.70 -26.40	104.80 8.55 -14.05	101.23 8.03 -11.25	100.63 7.45 -11.32
WM_FLOYD_69_KV_BK2 356380	81.05 7.31 -9.02	78.56 7.07 -8.36	78.08 7.15 -5.34	77.89 6.95 -5.35	78.84 7.09 -6.10	86.69 7.25 -16.94	106.56 8.67 -27.93	126.32 11.11 -32.95	109.60 11.20 -16.04	94.78 10.56 -4.17	99.75 11.01 -6.55	91.30 9.84 -6.38	91.30 10.21 -4.32	92.24 10.01 -4.03	99.48 11.17 -6.21	111.85 11.80 -16.40	133.00 12.27 -38.36	177.86 18.19 -37.58	155.41 13.63 -53.25	140.30 13.17 -41.58	132.17 12.96 -33.39	126.26 11.59 -32.47	119.63 10.98 -26.70	108.27 10.89 -15.52
WOODARD__115KV_TB2 355635	63.42 -1.29 0.00	61.87 -1.26 0.00	64.28 -1.31 0.00	64.21 -1.38 0.00	64.41 -1.25 0.00	61.50 -1.00 0.00	69.60 -0.35 0.00	81.86 -0.41 0.00	81.78 -0.58 0.00	79.40 -0.64 0.00	81.50 -0.82 -0.14	74.41 -0.90 -0.22	75.79 -1.00 -0.01	77.34 -0.86 0.00	81.39 -0.82 -0.10	83.74 -0.59 -0.67	83.74 -0.66 -2.03	121.11 -0.98 0.00	89.02 -0.44 -0.94	85.05 -0.51 -0.02	87.71 -0.51 -2.40	82.90 -0.74 -1.44	82.12 -0.98 -1.15	82.04 -0.98 -1.16
YORK___WARBASSE 23770	112.65 5.18 -42.76	112.62 4.99 -44.50	111.69 4.98 -41.12	110.14 4.79 -39.77	110.21 4.86 -39.70	112.42 5.06 -44.85	114.65 6.37 -38.33	150.05 8.14 -59.64	148.19 8.73 -57.10	143.67 8.64 -54.99	136.00 9.21 -44.61	120.49 8.41 -36.99	122.64 8.75 -37.12	130.78 8.76 -43.82	134.84 9.28 -43.45	188.83 9.79 -95.38	220.26 9.72 -128.18	201.67 14.04 -65.54	247.08 10.53 -148.02	234.85 10.27 -139.03	192.78 10.30 -96.66	181.33 9.21 -89.92	138.70 8.60 -48.15	114.88 8.02 -24.99