

# Day Ahead Market Generator LBMP

		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion									
Generator Data		01/04/2025																													
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	55.60	52.89	50.80	51.96	52.17	53.49	53.52	58.07	60.96	63.26	67.64	66.13	66.87	65.45	71.29	74.20	84.84	108.37	99.34	89.43	86.98	76.34	73.05	68.23						
		3.64	3.32	3.19	3.44	3.41	3.54	3.72	4.10	4.22	4.63	4.98	4.99	4.98	4.86	5.08	5.15	5.33	6.33	6.09	5.17	4.81	4.75	4.68	4.45						
		0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.18	0.00	-1.92	-3.53	-7.34	-5.75	-6.63	-5.38	-10.94	-13.67	-21.49	-34.69	-27.05	-26.84	-26.84	-16.39	-13.27	-8.80					
74TH STREET_GT_1 24260	EST	55.76	53.04	50.94	52.10	52.37	53.64	53.62	58.23	61.07	63.45	72.11	82.80	72.80	76.25	71.35	76.92	85.08	108.66	99.61	89.72	87.22	82.75	73.25	68.42						
		3.79	3.47	3.33	3.59	3.61	3.69	3.82	4.26	4.33	4.79	5.14	5.15	5.08	5.02	5.08	5.21	5.51	6.53	6.29	5.40	4.98	4.91	4.85	4.62						
		0.00	0.00	0.00	0.00	0.00	-0.02	-0.18	0.00	-1.92	-3.55	-11.65	-22.26	-12.45	-16.02	-11.00	-16.34	-21.54	-34.78	-27.12	-26.91	-26.91	-22.63	-13.31	-8.82						
74TH STREET_GT_2 24261	EST	55.76	53.04	50.94	52.10	52.37	53.64	53.62	58.23	61.07	63.45	72.11	82.80	72.80	76.25	71.35	76.92	85.08	108.66	99.61	89.72	87.22	82.75	73.25	68.42						
		3.79	3.47	3.33	3.59	3.61	3.69	3.82	4.26	4.33	4.79	5.14	5.15	5.08	5.02	5.08	5.21	5.51	6.53	6.29	5.40	4.98	4.91	4.85	4.62						
		0.00	0.00	0.00	0.00	0.00	-0.02	-0.18	0.00	-1.92	-3.55	-11.65	-22.26	-12.45	-16.02	-11.00	-16.34	-21.54	-34.78	-27.12	-26.91	-26.91	-22.63	-13.31	-8.82						
ADK HUDSON___FALLS 24011	EST	55.86	53.19	51.09	51.96	52.32	53.92	54.21	58.07	67.50	74.84	72.79	70.65	69.73	71.92	76.76	117.17	155.10	198.86	189.20	177.49	175.18	133.64	116.51	97.06						
		3.90	3.62	3.48	3.44	3.56	3.89	3.82	4.10	4.44	4.57	4.48	4.54	4.48	4.47	4.48	4.54	4.82	5.66	5.56	4.82	4.59	4.53	4.41	4.29						
		0.00	0.00	0.00	0.00	0.00	-0.10	-0.77	0.00	-8.24	-15.17	-12.99	-10.72	-9.99	-12.24	-17.03	-57.25	-92.26	-125.85	-117.44	-115.26	-115.26	-73.91	-57.00	-37.79						
ADK RESOURCE___RCVRY 23798	EST	56.17	53.44	51.33	52.20	52.66	54.22	54.51	58.39	67.92	75.24	73.14	70.99	70.07	72.27	77.12	117.75	155.86	199.79	190.13	178.35	176.08	134.30	117.03	97.50						
		4.21	3.87	3.72	3.69	3.90	4.19	4.12	4.43	4.83	4.90	4.81	4.88	4.81	4.80	4.81	4.87	5.16	6.06	5.96	5.17	4.98	4.86	4.68	4.56						
		0.00	0.00	0.00	0.00	0.00	-0.10	-0.78	0.00	-8.28	-15.24	-13.01	-10.73	-10.00	-12.27	-17.05	-57.50	-92.67	-126.37	-117.97	-115.77	-115.77	-74.23	-57.26	-37.96						
ADK S GLENS___FALLS 24028	EST	55.86	53.19	51.09	51.96	52.32	53.92	54.21	58.07	67.50	74.84	72.79	70.65	69.73	71.92	76.76	117.17	155.10	198.86	189.20	177.49	175.18	133.64	116.51	97.06						
		3.90	3.62	3.48	3.44	3.56	3.89	3.82	4.10	4.44	4.57	4.48	4.54	4.48	4.47	4.48	4.54	4.82	5.66	5.56	4.82	4.59	4.53	4.41	4.29						
		0.00	0.00	0.00	0.00	0.00	-0.10	-0.77	0.00	-8.24	-15.17	-12.99	-10.72	-9.99	-12.24	-17.03	-57.25	-92.26	-125.85	-117.44	-115.26	-115.26	-73.91	-57.00	-37.79						
ADK_NYS___DAM 23527	EST	55.45	52.79	50.75	51.77	52.03	53.40	53.63	57.69	64.90	70.66	71.26	69.82	68.98	70.14	75.05	103.50	132.90	170.72	160.75	149.76	147.46	115.72	102.58	87.72						
		3.48	3.22	3.14	3.25	3.27	3.40	3.42	3.72	3.78	3.97	4.09	4.10	4.09	4.03	4.03	4.10	4.35	5.05	4.90	4.25	4.04	4.03	3.91	3.85						
		0.00	0.00	0.00	0.00	0.00	-0.08	-0.59	0.00	-6.30	-11.60	-11.85	-10.33	-9.63	-10.91	-15.76	-44.03	-70.52	-98.31	-89.65	-88.10	-88.10	-56.49	-43.57	-28.89						
AIR_PRODUCTS___DRP 24190	EST	53.99	51.56	49.56	50.50	50.81	52.03	52.09	56.02	61.93	66.70	69.14	68.24	67.40	67.91	73.04	93.73	117.82	152.14	141.74	131.45	129.23	103.40	92.70	80.83						
		2.03	1.98	1.95	1.99	2.05	2.05	1.98	2.05	1.97	2.15	2.38	2.44	2.43	2.37	2.38	2.22	2.32	2.69	2.58	2.24	2.10	2.15	2.09	2.31						
		0.00	0.00	0.00	0.00	0.00	-0.06	-0.48	0.00	-5.14	-9.45	-11.44	-10.42	-9.71	-10.33	-15.40	-36.14	-57.47	-82.09	-72.96	-71.80	-71.80	-46.04	-35.51	-23.54						
AKWESSNE_115KV_BK 355683	EST	52.02	49.67	47.66	48.47	48.71	49.87	49.47	53.81	54.65	54.55	54.55	54.61	54.54	54.60	54.54	54.49	56.92	66.21	65.34	56.67	54.61	54.71	54.71	54.82						
		0.05	0.10	0.05	-0.05	-0.05	-0.05	-0.15	-0.16	-0.16	-0.55	-0.77	-0.78	-0.72	-0.61	-0.72	-0.89	-1.10	-1.14	-0.86	-0.75	-0.72	-0.50	-0.39	-0.16						
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
ALBANY_1_SOLAR 323833	EST	54.56	52.05	50.04	50.99	51.29	52.47	52.40	56.45	61.46	65.35	68.65	68.07	67.25	67.40	72.57	88.28	108.73	140.52	130.07	120.05	117.87	96.24	87.33	77.38						
		2.60	2.48	2.43	2.47	2.53	2.50	2.38	2.48	2.36	2.37	2.43	2.49	2.49	2.49	2.54	2.55	2.73	3.17	3.05	2.70	2.60	2.60	2.59	2.75						
		0.00	0.00	0.00	0.00	0.00	-0.05	-0.40	0.00	-4.29	-7.89	-10.89	-10.19	-9.50	-9.70	-14.77	-30.36	-47.98	-70.01	-60.83	-59.94	-59.94	-38.43	-29.64	-19.65						
ALBANY_2_SOLAR 323834	EST	54.56	52.00	50.04	50.94	51.24	52.47	52.40	56.45	61.46	65.35	68.65	68.07	67.25	67.40	72.52	88.27	108.72	140.51	130.06	120.04	117.80	96.23	87.27	77.38						
		2.60	2.43	2.43	2.42	2.49	2.50	2.38	2.48	2.36	2.37	2.43	2.49	2.49	2.49	2.49	2.55	2.73	3.17	3.05	2.70	2.55	2.60	2.54	2.75						
		0.00	0.00	0.00	0.00	0.00	-0.05	-0.40	0.00	-4.29	-7.89	-10.89	-10.19	-9.50	-9.70	-14.77	-30.35	-47.97	-70.00	-60.81	-59.93	-59.93	-38.43	-29.64	-19.65						
ALBANY___1 23571	EST	53.99	51.56	49.56	50.50	50.81	52.03	52.09	56.02	61.93	66.70	69.14	68.24	67.40	67.91	73.04	93.73	117.82	152.14	141.74	131.45	129.23	103.40	92.70	80.83						
		2.03	1.98	1.95	1.99	2.05	2.05	1.98	2.05	1.97	2.15	2.38	2.44	2.43	2.37	2.38	2.22	2.32	2.69	2.58	2.24	2.10	2.15	2.09	2.31						
		0.00	0.00	0.00	0.00	0.00	-0.06	-0.48	0.00	-5.14	-9.45	-11.44	-10.42	-9.71	-10.33	-15.40	-36.14	-57.47	-82.09	-72.96	-71.80	-71.80	-46.04	-35.51	-23.54						



ALBANY___2 23572	53.99 2.03 0.00	51.56 1.98 0.00	49.56 1.95 0.00	50.50 1.99 0.00	50.81 2.05 0.00	52.03 2.05 -0.06	52.09 1.98 -0.48	56.02 2.05 0.00	61.93 1.97 -5.14	66.70 2.15 -9.45	69.14 2.38 -11.44	68.24 2.44 -10.42	67.40 2.43 -9.71	67.91 2.37 -10.33	73.04 2.38 -15.40	93.73 2.22 -36.14	117.82 2.32 -57.47	152.14 2.69 -82.09	141.74 2.58 -72.96	131.45 2.24 -71.80	129.23 2.10 -71.80	103.40 2.15 -46.04	92.70 2.09 -35.51	80.83 2.31 -23.54
ALBANY___3 23573	53.99 2.03 0.00	51.56 1.98 0.00	49.56 1.95 0.00	50.50 1.99 0.00	50.81 2.05 0.00	52.03 2.05 -0.06	52.09 1.98 -0.48	56.02 2.05 0.00	61.93 1.97 -5.14	66.70 2.15 -9.45	69.14 2.38 -11.44	68.24 2.44 -10.42	67.40 2.43 -9.71	67.91 2.37 -10.33	73.04 2.38 -15.40	93.73 2.22 -36.14	117.82 2.32 -57.47	152.14 2.69 -82.09	141.74 2.58 -72.96	131.45 2.24 -71.80	129.23 2.10 -71.80	103.40 2.15 -46.04	92.70 2.09 -35.51	80.83 2.31 -23.54
ALBANY___4 23574	53.99 2.03 0.00	51.56 1.98 0.00	49.56 1.95 0.00	50.50 1.99 0.00	50.81 2.05 0.00	52.03 2.05 -0.06	52.09 1.98 -0.48	56.02 2.05 0.00	61.93 1.97 -5.14	66.70 2.15 -9.45	69.14 2.38 -11.44	68.24 2.44 -10.42	67.40 2.43 -9.71	67.91 2.37 -10.33	73.04 2.38 -15.40	93.73 2.22 -36.14	117.82 2.32 -57.47	152.14 2.69 -82.09	141.74 2.58 -72.96	131.45 2.24 -71.80	129.23 2.10 -71.80	103.40 2.15 -46.04	92.70 2.09 -35.51	80.83 2.31 -23.54
ALBANY___LFGE 323615	54.36 2.39 0.00	51.81 2.23 0.00	49.85 2.24 0.00	50.80 2.28 0.00	51.10 2.34 0.00	52.34 2.35 -0.07	52.52 2.33 -0.57	56.40 2.43 0.00	63.28 2.41 -6.05	68.77 2.54 -11.14	69.99 2.76 -11.90	68.71 2.82 -10.51	67.87 2.82 -9.79	68.92 2.81 -10.90	73.90 2.76 -15.88	100.41 2.66 -42.37	128.50 2.73 -67.75	165.54 3.17 -95.02	155.35 3.05 -86.10	144.75 2.70 -84.64	142.51 2.55 -84.64	112.02 2.54 -54.27	99.49 2.54 -41.86	85.43 2.69 -27.75
ALCOA_PA_115KV_PL-6C 55860	52.02 0.05 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.47 -0.05 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	49.42 -0.20 0.00	53.81 -0.16 0.00	54.60 -0.22 0.00	54.49 -0.61 0.00	54.49 -0.83 0.00	54.55 -0.83 0.00	54.49 -0.77 0.00	54.49 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.94 0.00	56.86 -1.16 0.00	66.21 -1.14 0.00	65.34 -0.86 0.00	56.61 -0.80 0.00	54.61 -0.72 0.00	54.71 -0.50 0.00	54.71 -0.39 0.00	54.76 -0.22 0.00
ALCOA_RYNLDS___DRP 24188	52.02 0.05 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.47 -0.05 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	49.42 -0.20 0.00	53.81 -0.16 0.00	54.60 -0.22 0.00	54.49 -0.61 0.00	54.49 -0.83 0.00	54.55 -0.83 0.00	54.49 -0.77 0.00	54.49 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.94 0.00	56.86 -1.16 0.00	66.21 -1.14 0.00	65.34 -0.86 0.00	56.61 -0.80 0.00	54.61 -0.72 0.00	54.71 -0.50 0.00	54.71 -0.39 0.00	54.76 -0.22 0.00
ALCOA___DSASP 323711	52.02 0.05 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.47 -0.05 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	49.32 -0.30 0.00	53.81 -0.16 0.00	54.60 -0.22 0.00	54.49 -0.60 0.00	54.55 -0.77 0.00	54.61 -0.78 0.00	54.49 -0.77 0.00	54.49 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.94 0.00	56.86 -1.16 0.00	66.20 -1.15 0.00	65.34 -0.86 0.00	56.61 -0.80 0.00	54.61 -0.72 0.00	54.71 -0.50 0.00	54.77 -0.33 0.00	54.76 -0.22 0.00
ALLEGHENY___COGEN 23514	50.10 -1.87 0.00	47.89 -1.69 0.00	45.61 -2.00 0.00	46.38 -2.13 0.00	46.66 -2.10 0.00	47.73 -2.20 0.00	47.72 -1.94 -0.03	55.27 -2.22 -3.51	60.60 -1.97 -7.75	88.63 -1.87 -35.41	94.36 -1.72 -40.76	95.08 -1.72 -41.41	94.09 -2.21 -41.04	93.63 -2.37 -40.79	94.95 -2.32 -42.00	97.36 -1.61 -43.59	105.10 -0.81 -47.88	124.15 -0.74 -57.54	120.01 -0.73 -54.54	106.04 -0.80 -49.43	98.16 -0.72 -43.55	98.64 -1.21 -44.65	70.39 -1.60 -16.90	55.04 -1.60 -1.66
ALTAMONT_115KV_TB 2 55880	53.79 1.82 0.00	51.31 1.74 0.00	49.33 1.71 0.00	50.26 1.75 0.00	50.56 1.80 0.00	51.83 1.85 -0.05	51.82 1.79 -0.42	55.86 1.89 0.00	61.20 1.92 -4.47	65.35 2.04 -8.22	68.64 2.16 -11.16	67.95 2.16 -10.41	67.12 2.16 -9.70	67.32 2.15 -9.96	72.54 2.16 -15.12	89.13 2.16 -31.59	110.26 2.26 -49.98	142.69 2.63 -72.72	132.08 2.52 -63.37	122.08 2.24 -62.43	119.86 2.10 -62.43	97.34 2.10 -40.03	88.01 2.04 -30.88	77.54 2.09 -20.47
ALTONA_WT_PWR 323606	51.76 -0.21 0.00	49.37 -0.20 0.00	47.37 -0.24 0.00	48.12 -0.39 0.00	48.32 -0.44 0.00	49.47 -0.45 0.00	48.73 -0.89 0.00	53.21 -0.76 0.00	54.05 -0.77 0.00	53.94 -1.16 0.00	53.99 -1.33 0.00	54.00 -1.38 0.00	53.88 -1.38 0.00	53.88 -1.33 0.00	53.82 -1.44 0.00	53.83 -1.55 0.00	56.40 -1.62 0.00	65.80 -1.55 0.00	65.07 -1.13 0.00	56.44 -0.98 0.00	54.50 -0.83 0.00	54.60 -0.61 0.00	54.60 -0.50 0.00	54.93 -0.05 0.00
AMERICAN_REF_FUEL 24010	44.90 -7.07 0.00	43.18 -6.39 0.00	41.04 -6.57 0.00	41.68 -6.84 0.00	41.98 -6.78 0.00	42.84 -7.09 0.00	42.36 -7.29 -0.03	45.49 -7.72 0.76	45.81 -7.73 1.28	40.87 -7.33 6.90	40.82 -7.03 7.48	40.76 -6.98 7.65	40.59 -7.02 7.66	40.21 -7.34 7.65	40.65 -7.35 7.26	41.73 -7.09 6.55	45.28 -6.85 5.90	52.83 -8.89 5.63	51.16 -8.80 6.23	44.82 -7.46 5.14	44.76 -6.70 3.87	42.00 -7.12 6.08	46.96 -7.22 0.92	48.69 -7.75 -1.46
ARKWRIGHT___SUMMIT_WT_PWR 323751	45.21 -6.75 0.00	43.42 -6.15 0.00	41.23 -6.38 0.00	41.72 -6.79 0.00	42.13 -6.63 0.00	42.99 -6.94 0.00	42.56 -7.10 -0.03	46.10 -7.07 0.80	46.20 -7.29 1.33	39.92 -7.88 7.29	39.81 -7.69 7.82	39.69 -7.70 8.00	39.51 -7.74 8.01	39.07 -8.11 8.03	39.65 -8.07 7.54	40.77 -7.81 6.79	45.39 -6.62 6.01	53.81 -8.02 5.52	52.15 -7.75 6.30	45.62 -6.66 5.13	45.19 -6.36 3.78	42.38 -6.57 6.26	47.51 -6.78 0.80	49.59 -7.04 -1.65
ARTHUR KILL_GT_1 23520	69.94 4.06 -13.91	67.64 3.72 -14.35	67.63 3.67 -16.36	66.62 4.08 -14.03	66.67 4.10 -13.81	67.64 4.19 -13.53	67.64 4.31 -13.70	71.27 4.64 -12.66	72.27 4.61 -12.84	72.26 5.01 -12.15	102.27 5.26 -41.69	214.23 5.32 -153.53	113.56 5.19 -53.11	150.82 5.19 -90.43	71.68 5.14 -11.28	95.48 5.32 -34.79	185.43 5.75 -121.66	284.20 6.87 -209.98	275.14 6.62 -202.32	211.94 5.69 -148.84	253.93 5.26 -193.34	183.14 5.19 -122.74	73.48 5.07 -13.32	70.93 5.00 -10.95
ARTHUR_KILL_2 23512	69.78 3.90 -13.91	67.49 3.57 -14.35	67.49 3.52 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.11 4.48 -12.66	72.10 4.44 -12.84	72.10 4.85 -12.15	102.10 5.09 -41.69	214.07 5.15 -153.53	113.40 5.03 -53.11	150.66 5.02 -90.43	71.52 4.98 -11.28	95.31 5.15 -34.79	185.25 5.57 -121.66	284.00 6.67 -209.98	274.94 6.42 -202.32	211.77 5.51 -148.84	253.76 5.09 -193.34	182.97 5.02 -122.74	73.32 4.90 -13.32	70.77 4.84 -10.95
ARTHUR_KILL_3 23513	68.99 3.12 -13.91	66.69 2.77 -14.34	66.67 2.71 -16.35	65.61 3.06 -14.03	65.60 3.02 -13.82	66.60 3.15 -13.53	66.60 3.27 -13.71	70.31 3.67 -12.67	71.40 3.73 -12.85	71.39 4.13 -12.16	101.44 4.43 -41.69	213.35 4.43 -153.53	112.79 4.42 -53.11	150.00 4.36 -90.43	71.02 4.47 -11.28	94.70 4.54 -34.78	184.43 4.76 -121.64	282.96 5.66 -209.95	273.86 5.36 -202.30	210.89 4.65 -148.82	252.91 4.26 -193.32	182.19 4.25 -122.74	72.59 4.19 -13.30	69.94 4.01 -10.95



ARTHUR_KILL_COGEN 323718	69.94 4.06 -13.91	67.64 3.72 -14.35	67.63 3.67 -16.36	66.62 4.08 -14.03	66.67 4.10 -13.81	67.64 4.19 -13.53	67.64 4.31 -13.70	71.27 4.64 -12.66	72.27 4.61 -12.84	72.26 5.01 -12.15	102.27 5.26 -41.69	214.23 5.32 -153.53	113.56 5.19 -53.11	150.82 5.19 -90.43	71.68 5.14 -11.28	95.48 5.32 -34.79	185.43 5.75 -121.66	284.20 6.87 -209.98	275.14 6.62 -202.32	211.94 5.69 -148.84	253.93 5.26 -193.34	183.14 5.19 -122.74	73.48 5.07 -13.32	70.93 5.00 -10.95
ASHOKAN____ 23654	56.96 4.99 0.00	54.18 4.61 0.00	51.94 4.33 0.00	52.93 4.41 0.00	53.24 4.48 0.00	53.26 3.29 -0.04	53.08 3.13 -0.33	59.10 5.13 0.00	62.08 3.73 -3.53	65.78 4.19 -6.50	68.98 3.93 -9.73	68.50 3.88 -9.24	67.46 3.59 -8.61	67.35 3.54 -8.61	72.05 3.54 -13.25	84.43 3.93 -25.12	102.25 4.70 -39.53	132.00 6.13 -58.52	122.23 5.96 -50.07	111.97 5.17 -49.38	109.03 4.32 -49.38	91.02 4.14 -31.67	83.49 3.97 -24.42	75.08 3.90 -16.19
ASTORIA_EAST_ENERGY_CC1 323581	55.82 3.85 -0.01	53.10 3.52 -0.01	51.05 3.43 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.07 4.10 0.00	60.79 4.06 -1.92	63.21 4.57 -3.55	72.01 5.03 -11.65	82.75 5.09 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.98 -11.01	76.81 5.09 -16.34	85.09 5.52 -21.56	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.16 4.74 -13.32	68.55 4.73 -8.84
ASTORIA_EAST_ENERGY_CC2 323582	55.82 3.85 -0.01	53.10 3.52 -0.01	51.05 3.43 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.07 4.10 0.00	60.79 4.06 -1.92	63.21 4.57 -3.55	72.06 5.09 -11.65	82.81 5.15 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.98 -11.01	76.81 5.09 -16.34	85.15 5.57 -21.56	108.67 6.53 -34.79	99.62 6.29 -27.13	89.73 5.40 -26.92	87.28 5.03 -26.92	82.76 4.91 -22.64	73.21 4.79 -13.32	68.60 4.78 -8.84
ASTORIA_GT2_1 24094	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT2_2 24095	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT2_3 24096	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT2_4 24097	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT3_1 24098	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT3_2 24099	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT3_3 24100	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT3_4 24101	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT4_1 24102	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT4_2 24103	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT4_3 24104	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83



ASTORIA_GT4_4 24105	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.80 4.06 -1.92	63.22 4.57 -3.55	72.06 5.09 -11.65	82.75 5.10 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.97 -11.01	76.87 5.15 -16.34	85.14 5.57 -21.55	108.67 6.53 -34.79	99.55 6.22 -27.13	89.73 5.40 -26.92	87.23 4.98 -26.92	82.71 4.86 -22.64	73.37 4.96 -13.32	68.60 4.78 -8.83
ASTORIA_GT_1 23523	55.92 3.95 -0.01	53.20 3.62 -0.01	51.14 3.52 -0.01	52.21 3.69 -0.01	52.43 3.66 -0.01	53.74 3.79 -0.02	53.72 3.92 -0.18	58.23 4.26 0.00	60.90 4.16 -1.92	63.38 4.74 -3.55	72.17 5.20 -11.65	82.86 5.20 -22.27	72.86 5.14 -12.46	76.31 5.08 -16.03	71.35 5.08 -11.01	76.92 5.20 -16.34	85.27 5.69 -21.56	108.81 6.67 -34.79	99.75 6.42 -27.13	89.84 5.51 -26.92	87.39 5.15 -26.92	82.87 5.02 -22.64	73.32 4.90 -13.32	68.71 4.89 -8.84
ASTORIA_GT_10 24110	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	71.95 4.98 -11.65	82.69 5.04 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.54	108.54 6.40 -34.79	99.48 6.16 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.64 4.80 -22.63	73.14 4.74 -13.31	68.37 4.56 -8.82
ASTORIA_GT_11 24225	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	71.95 4.98 -11.65	82.69 5.04 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.54	108.54 6.40 -34.79	99.48 6.16 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.64 4.80 -22.63	73.14 4.74 -13.31	68.37 4.56 -8.82
ASTORIA_GT_12 24226	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	71.95 4.98 -11.65	82.69 5.04 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.54	108.54 6.40 -34.79	99.48 6.16 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.64 4.80 -22.63	73.14 4.74 -13.31	68.37 4.56 -8.82
ASTORIA_GT_13 24227	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	71.95 4.98 -11.65	82.69 5.04 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.54	108.54 6.40 -34.79	99.48 6.16 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.64 4.80 -22.63	73.14 4.74 -13.31	68.37 4.56 -8.82
ASTORIA_GT_5 24106	55.92 3.95 -0.01	53.25 3.67 -0.01	51.14 3.52 -0.01	52.21 3.69 -0.01	52.47 3.71 -0.01	53.74 3.79 -0.02	53.72 3.92 -0.18	58.23 4.26 0.00	60.91 4.17 -1.92	63.33 4.68 -3.55	72.12 5.14 -11.65	82.86 5.21 -22.27	72.86 5.14 -12.46	76.31 5.08 -16.03	71.36 5.08 -11.01	76.92 5.21 -16.34	85.26 5.69 -21.55	108.81 6.67 -34.79	99.68 6.36 -27.13	89.84 5.51 -26.92	87.34 5.09 -26.92	82.82 4.97 -22.64	73.48 5.07 -13.32	68.71 4.89 -8.83
ASTORIA_GT_7 24107	55.92 3.95 -0.01	53.25 3.67 -0.01	51.14 3.52 -0.01	52.21 3.69 -0.01	52.47 3.71 -0.01	53.74 3.79 -0.02	53.72 3.92 -0.18	58.23 4.26 0.00	60.91 4.17 -1.92	63.33 4.68 -3.55	72.12 5.14 -11.65	82.86 5.21 -22.27	72.86 5.14 -12.46	76.31 5.08 -16.03	71.36 5.08 -11.01	76.92 5.21 -16.34	85.26 5.69 -21.55	108.81 6.67 -34.79	99.68 6.36 -27.13	89.84 5.51 -26.92	87.34 5.09 -26.92	82.82 4.97 -22.64	73.48 5.07 -13.32	68.71 4.89 -8.83
ASTORIA_GT_8 24108	55.92 3.95 -0.01	53.25 3.67 -0.01	51.14 3.52 -0.01	52.21 3.69 -0.01	52.47 3.71 -0.01	53.74 3.79 -0.02	53.72 3.92 -0.18	58.23 4.26 0.00	60.91 4.17 -1.92	63.33 4.68 -3.55	72.12 5.14 -11.65	82.86 5.21 -22.27	72.86 5.14 -12.46	76.31 5.08 -16.03	71.36 5.08 -11.01	76.92 5.21 -16.34	85.26 5.69 -21.55	108.81 6.67 -34.79	99.68 6.36 -27.13	89.84 5.51 -26.92	87.34 5.09 -26.92	82.82 4.97 -22.64	73.48 5.07 -13.32	68.71 4.89 -8.83
ASTORIA___2 24149	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.11 3.59 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.67 3.87 -0.18	58.12 4.16 0.00	60.79 4.06 -1.92	63.27 4.63 -3.55	72.06 5.09 -11.65	82.81 5.15 -22.27	72.75 5.03 -12.46	76.20 4.97 -16.03	71.25 4.98 -11.01	76.81 5.09 -16.34	85.15 5.57 -21.56	108.67 6.53 -34.79	99.62 6.29 -27.13	89.73 5.40 -26.92	87.28 5.03 -26.92	82.76 4.91 -22.64	73.21 4.79 -13.32	68.60 4.78 -8.84
ASTORIA___3 23516	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	72.00 5.03 -11.65	82.69 5.04 -22.26	72.69 4.98 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	84.97 5.40 -21.55	108.54 6.40 -34.79	99.49 6.16 -27.13	89.61 5.28 -26.92	87.17 4.92 -26.92	82.70 4.86 -22.63	73.15 4.74 -13.32	68.43 4.62 -8.83
ASTORIA___4 23517	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	71.95 4.98 -11.65	82.69 5.04 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.54	108.54 6.40 -34.79	99.48 6.16 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.64 4.80 -22.63	73.14 4.74 -13.31	68.37 4.56 -8.82
ASTORIA___5 23518	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	72.00 5.03 -11.65	82.69 5.04 -22.26	72.69 4.98 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	84.97 5.40 -21.55	108.54 6.40 -34.79	99.49 6.16 -27.13	89.61 5.28 -26.92	87.17 4.92 -26.92	82.70 4.86 -22.63	73.15 4.74 -13.32	68.43 4.62 -8.83
AST_ENERGY_2_CC3 323677	55.30 3.33 0.00	52.60 3.02 0.00	50.56 2.95 0.00	51.72 3.20 0.00	51.93 3.17 0.00	53.24 3.29 -0.02	53.22 3.42 -0.18	57.80 3.83 0.00	60.63 3.89 -1.92	62.95 4.30 -3.55	71.45 4.48 -11.65	82.20 4.54 -22.27	72.25 4.53 -12.46	75.70 4.47 -16.03	70.90 4.64 -10.99	76.36 4.65 -16.34	84.48 4.93 -21.53	107.95 5.86 -34.74	98.92 5.62 -27.09	89.12 4.82 -26.88	86.69 4.48 -26.88	82.20 4.36 -22.63	72.81 4.41 -13.30	67.98 4.18 -8.82
AST_ENERGY_2_CC4 323678	55.30 3.33 0.00	52.60 3.02 0.00	50.56 2.95 0.00	51.72 3.20 0.00	51.93 3.17 0.00	53.24 3.29 -0.02	53.22 3.42 -0.18	57.80 3.83 0.00	60.63 3.89 -1.92	62.95 4.30 -3.55	71.45 4.48 -11.65	82.20 4.54 -22.27	72.25 4.53 -12.46	75.70 4.47 -16.03	70.90 4.64 -10.99	76.36 4.65 -16.34	84.48 4.93 -21.53	107.95 5.86 -34.74	98.92 5.62 -27.09	89.12 4.82 -26.88	86.69 4.48 -26.88	82.20 4.36 -22.63	72.81 4.41 -13.30	67.98 4.18 -8.82



ATHENS_STG_1 23668	54.05 2.08 0.00	51.50 1.93 0.00	49.56 1.95 0.00	50.55 2.04 0.00	50.81 2.05 0.00	52.04 2.10 -0.02	51.89 2.08 -0.18	56.23 2.27 0.00	59.09 2.30 -1.97	61.19 2.48 -3.62	67.07 2.66 -9.10	67.34 2.71 -9.24	66.53 2.65 -8.62	65.56 2.60 -7.76	70.55 2.65 -12.63	72.58 2.71 -14.49	82.86 2.84 -21.99	107.26 3.30 -36.61	97.01 3.18 -27.63	87.70 2.81 -27.48	85.41 2.60 -27.48	75.42 2.60 -17.62	71.22 2.54 -13.59	66.47 2.48 -9.01
ATHENS_STG_2 23670	54.05 2.08 0.00	51.50 1.93 0.00	49.56 1.95 0.00	50.55 2.04 0.00	50.81 2.05 0.00	52.04 2.10 -0.02	51.89 2.08 -0.18	56.23 2.27 0.00	59.09 2.30 -1.97	61.19 2.48 -3.62	67.07 2.66 -9.10	67.34 2.71 -9.24	66.53 2.65 -8.62	65.56 2.60 -7.76	70.55 2.65 -12.63	72.58 2.71 -14.49	82.86 2.84 -21.99	107.26 3.30 -36.61	97.01 3.18 -27.63	87.70 2.81 -27.48	85.41 2.60 -27.48	75.42 2.60 -17.62	71.22 2.54 -13.59	66.47 2.48 -9.01
ATHENS_STG_3 23677	54.05 2.08 0.00	51.50 1.93 0.00	49.56 1.95 0.00	50.55 2.04 0.00	50.81 2.05 0.00	52.04 2.10 -0.02	51.89 2.08 -0.18	56.23 2.27 0.00	59.09 2.30 -1.97	61.19 2.48 -3.62	67.07 2.66 -9.10	67.34 2.71 -9.24	66.53 2.65 -8.62	65.56 2.60 -7.76	70.55 2.65 -12.63	72.58 2.71 -14.49	82.86 2.84 -21.99	107.26 3.30 -36.61	97.01 3.18 -27.63	87.70 2.81 -27.48	85.41 2.60 -27.48	75.42 2.60 -17.62	71.22 2.54 -13.59	66.47 2.48 -9.01
AUBURN___LFGE 323710	50.98 -0.99 0.00	48.68 -0.89 0.00	46.66 -0.95 0.00	47.54 -0.97 0.00	47.78 -0.98 0.00	48.98 -0.95 0.00	48.80 -0.84 -0.02	53.21 -0.76 0.00	54.37 -0.71 -0.26	55.08 -0.50 -0.48	56.04 -0.33 -1.05	56.21 -0.22 -1.05	55.85 -0.39 -0.98	55.61 -0.50 -0.90	56.21 -0.50 -1.45	56.99 -0.28 -1.89	60.87 -0.06 -2.91	71.88 -0.13 -4.67	69.76 -0.07 -3.63	60.93 -0.11 -3.63	58.79 -0.17 -3.63	57.15 -0.39 -2.33	56.34 -0.55 -1.80	55.51 -0.66 -1.19
BABYLON_RES_REC 323704	68.11 5.10 -11.05	63.17 4.81 -8.79	52.24 4.62 -0.01	53.42 4.90 -0.01	54.30 4.88 -0.66	57.09 5.04 -2.12	62.06 5.16 -7.28	68.07 5.78 -8.33	70.88 5.81 -10.25	73.70 6.17 -12.43	86.84 6.41 -25.10	82.87 6.20 -21.28	79.08 6.13 -17.68	80.89 6.07 -19.61	84.37 6.46 -22.65	95.98 6.59 -34.02	128.31 6.96 -63.33	138.69 8.08 -63.27	134.21 7.81 -60.20	123.93 6.71 -59.80	113.86 6.36 -52.17	114.25 6.35 -52.70	90.44 6.33 -29.01	81.74 6.21 -20.55
BABYLON__69_KV_BK2 356345	68.64 5.82 -10.85	63.71 5.50 -8.63	52.91 5.28 -0.01	54.06 5.53 -0.01	54.97 5.56 -0.65	57.75 5.74 -2.08	62.63 5.85 -7.15	68.67 6.53 -8.17	71.50 6.58 -10.10	74.15 6.78 -12.27	87.26 7.08 -24.85	83.48 6.81 -21.28	79.81 6.96 -17.58	81.64 6.90 -19.53	85.05 7.35 -22.44	96.60 7.53 -33.70	128.36 9.09 -62.57	139.19 8.74 -62.75	134.54 7.52 -59.61	124.14 7.25 -59.20	114.29 7.25 -51.72	114.64 7.29 -52.15	91.03 7.22 -28.72	82.40 7.09 -20.33
BALL_HILL_WT_PWR 323825	46.15 -5.82 0.00	44.32 -5.26 0.00	42.14 -5.47 0.00	42.74 -5.77 0.00	43.05 -5.70 0.00	43.94 -5.99 0.00	43.50 -6.15 -0.03	46.14 -6.75 1.08	45.93 -6.96 1.93	38.19 -6.83 10.08	37.67 -6.64 11.01	37.61 -6.54 11.24	37.40 -6.63 11.23	37.02 -6.96 11.22	37.54 -6.91 10.81	38.52 -6.70 10.15	42.10 -6.27 9.66	49.82 -7.68 9.85	48.28 -7.48 10.43	42.13 -6.43 8.86	42.20 -6.09 7.04	39.18 -6.35 9.67	46.55 -6.50 2.05	50.35 -6.21 -1.58
BARON_WINDS___WT_PWR 323822	48.01 -3.95 0.00	45.96 -3.62 0.00	43.80 -3.81 0.00	44.54 -3.98 0.00	44.81 -3.95 0.00	45.84 -4.09 -0.01	45.59 -4.07 -0.04	43.86 -4.42 5.68	38.46 -4.88 11.48	-4.83 -4.57 55.35	-11.14 -4.43 62.03	-12.00 -4.26 63.12	-12.00 -4.47 62.79	-12.00 -4.58 62.62	-12.00 -4.70 62.56	-12.00 -4.48 62.89	-12.00 -4.35 65.67	-12.00 -4.85 74.50	-12.00 -4.77 73.43	-12.00 -4.19 65.23	-4.64 -4.26 55.71	-12.00 -4.42 62.79	30.60 -4.46 20.04	53.08 -4.07 -2.16
BARRETT_IC_1 23704	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_10 23701	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_11 23702	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_12 23703	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_2 23705	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_3 23706	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_4 23707	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99



BARRETT_IC_5 23708	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_6 23709	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_7 23710	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.48 4.14 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.36 5.01 -11.25	83.85 5.26 -23.27	81.99 5.32 -21.28	77.45 5.25 -16.94	79.34 5.08 -19.05	81.89 5.53 -21.10	92.55 5.54 -31.64	121.51 5.74 -57.74	133.28 6.47 -59.47	128.28 6.29 -55.79	118.33 5.51 -55.41	109.39 5.26 -48.80	109.14 5.30 -48.63	87.28 5.29 -26.90	79.24 5.28 -18.98
BARRETT_IC_8 23711	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT_IC_9 23700	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT___1 23545	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BARRETT___2 23546	65.75 4.21 -9.58	61.16 3.97 -7.62	51.63 4.00 -0.02	52.85 4.32 -0.02	53.43 4.10 -0.58	56.01 4.24 -1.85	60.32 4.37 -6.34	66.04 4.86 -7.22	68.84 4.88 -9.14	71.59 5.24 -11.25	84.02 5.42 -23.27	81.87 5.20 -21.28	77.34 5.14 -16.94	79.33 5.08 -19.05	81.88 5.53 -21.10	92.55 5.54 -31.64	121.52 5.75 -57.75	133.28 6.47 -59.47	128.28 6.29 -55.79	118.34 5.51 -55.41	109.39 5.26 -48.80	109.09 5.25 -48.63	87.29 5.29 -26.90	79.25 5.28 -18.99
BATAVIA__115KV_TB1 55881	47.39 -4.57 0.00	45.46 -4.11 0.00	43.28 -4.33 0.00	43.91 -4.61 0.00	44.27 -4.49 0.00	45.18 -4.74 0.00	44.68 -4.96 -0.03	48.14 -5.29 0.54	49.04 -4.93 0.85	45.72 -4.57 4.80	46.20 -4.09 5.03	46.14 -4.10 5.14	45.78 -4.31 5.17	45.37 -4.64 5.20	45.86 -4.64 4.76	47.02 -4.15 4.20	50.71 -3.83 3.49	59.50 -5.05 2.80	57.76 -4.90 3.54	50.35 -4.31 2.76	49.71 -3.76 1.86	47.14 -4.31 3.76	50.37 -4.52 0.21	51.37 -4.95 -1.34
BAYONEEC___CTG1 323682	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG10 323750	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG2 323683	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG3 323684	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG4 323685	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG5 323686	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG6 323687	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82



BAYONEEC___CTG7 323688	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG8 323689	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BAYONEEC___CTG9 323749	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.27 3.47 -0.18	57.86 3.89 0.00	60.69 3.95 -1.92	63.00 4.35 -3.55	71.74 4.65 -11.77	82.79 4.65 -22.75	72.52 4.64 -12.62	76.12 4.58 -16.33	70.95 4.69 -10.99	76.54 4.76 -16.40	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.69 4.48 -26.88	82.48 4.47 -22.80	72.81 4.41 -13.30	68.04 4.23 -8.82
BEACON___LESR 323632	54.82 2.86 0.00	52.20 2.63 0.00	50.23 2.62 0.00	51.13 2.62 0.00	51.49 2.73 0.00	52.78 2.79 -0.06	52.88 2.78 -0.49	56.83 2.86 0.00	62.93 2.90 -5.21	67.71 3.03 -9.58	70.05 3.26 -11.47	69.06 3.27 -10.41	68.22 3.26 -9.70	68.77 3.20 -10.36	73.82 3.15 -15.41	95.03 3.04 -36.61	119.48 3.19 -58.26	154.19 3.77 -83.07	143.81 3.64 -73.97	133.41 3.21 -72.78	131.16 3.04 -72.78	104.97 3.09 -46.67	94.12 3.03 -36.00	82.04 3.19 -23.87
BEAVER RIVER___HYD 24048	50.98 -0.99 0.00	48.78 -0.80 0.00	46.66 -0.95 0.00	47.54 -0.97 0.00	47.69 -1.07 0.00	48.82 -1.10 0.00	48.82 -0.80 0.00	53.27 -0.70 0.00	54.10 -0.71 0.00	54.38 -0.72 0.00	54.76 -0.83 -0.27	54.86 -0.83 -0.30	54.38 -1.16 -0.28	54.26 -1.16 -0.22	54.66 -0.99 -0.39	54.75 -0.66 -0.04	57.56 -0.47 0.00	67.38 -0.27 -0.30	65.80 -0.39 0.00	56.95 -0.46 0.00	54.78 -0.55 0.00	54.71 -0.50 0.00	54.55 -0.55 0.00	54.16 -0.82 0.00
BEEBEE_GT_13 23619	48.43 -3.53 0.00	46.35 -3.22 0.00	44.23 -3.38 0.00	45.02 -3.49 0.00	45.30 -3.46 0.00	46.33 -3.59 0.00	45.95 -3.67 0.00	49.81 -4.16 0.00	51.09 -3.73 0.00	51.69 -3.42 -0.01	53.22 -3.04 -0.95	53.45 -2.99 -1.05	53.09 -3.15 -0.98	52.55 -3.42 -0.76	53.18 -3.43 -1.35	52.47 -3.05 -0.14	55.25 -2.79 -0.01	64.69 -3.70 -1.04	62.57 -3.64 -0.01	54.21 -3.22 -0.01	52.52 -2.82 -0.01	51.96 -3.26 -0.01	51.68 -3.42 0.00	51.30 -3.68 0.00
BENSHRST_27_KV_BENSHRST_1 355998	70.19 4.31 -13.91	67.88 3.97 -14.35	67.78 3.81 -16.36	66.66 4.12 -14.03	66.72 4.14 -13.81	67.69 4.24 -13.53	67.69 4.37 -13.70	71.44 4.80 -12.66	72.54 4.88 -12.84	72.59 5.34 -12.15	102.65 5.64 -41.69	214.62 5.70 -153.53	113.95 5.58 -53.11	151.16 5.52 -90.43	72.07 5.53 -11.28	95.87 5.70 -34.79	185.83 6.15 -121.65	284.61 7.27 -209.98	275.61 7.08 -202.32	212.29 6.03 -148.84	254.31 5.64 -193.34	183.42 5.47 -122.74	73.64 5.23 -13.31	71.15 5.22 -10.94
BETHLEHEM___GRP 23843	53.99 2.03 0.00	51.56 1.98 0.00	49.56 1.95 0.00	50.50 1.99 0.00	50.81 2.05 0.00	52.03 2.05 -0.06	52.09 1.98 -0.48	56.02 2.05 0.00	61.93 1.97 -5.14	66.70 2.15 -9.45	69.14 2.38 -11.44	68.24 2.44 -10.42	67.40 2.43 -9.71	67.91 2.37 -10.33	73.04 2.38 -15.40	93.73 2.22 -36.14	117.82 2.32 -57.47	152.14 2.69 -82.09	141.74 2.58 -72.96	131.45 2.24 -71.80	129.23 2.10 -71.80	103.40 2.15 -46.04	92.70 2.09 -35.51	80.83 2.31 -23.54
BETHLEHEM___GS1 323560	53.99 2.02 0.00	51.50 1.93 0.00	49.56 1.95 0.00	50.50 1.99 0.00	50.81 2.05 0.00	52.03 2.05 -0.06	52.09 1.99 -0.48	56.02 2.05 0.00	61.92 1.97 -5.14	66.69 2.15 -9.45	69.14 2.38 -11.44	68.24 2.43 -10.42	67.40 2.43 -9.71	67.91 2.37 -10.33	73.03 2.37 -15.40	93.73 2.22 -36.14	117.82 2.32 -57.47	152.07 2.62 -82.09	141.74 2.58 -72.96	131.45 2.24 -71.80	129.23 2.10 -71.80	103.40 2.15 -46.04	92.70 2.09 -35.51	80.83 2.31 -23.54
BETHLEHEM___GS2 323561	53.99 2.02 0.00	51.50 1.93 0.00	49.56 1.95 0.00	50.50 1.99 0.00	50.81 2.05 0.00	52.03 2.05 -0.06	52.09 1.99 -0.48	56.02 2.05 0.00	61.92 1.97 -5.14	66.69 2.15 -9.45	69.14 2.38 -11.44	68.24 2.43 -10.42	67.40 2.43 -9.71	67.91 2.37 -10.33	73.03 2.37 -15.40	93.73 2.22 -36.14	117.82 2.32 -57.47	152.07 2.62 -82.09	141.74 2.58 -72.96	131.45 2.24 -71.80	129.23 2.10 -71.80	103.40 2.15 -46.04	92.70 2.09 -35.51	80.83 2.31 -23.54
BETHLEHEM___GS3 323562	53.99 2.02 0.00	51.50 1.93 0.00	49.56 1.95 0.00	50.50 1.99 0.00	50.81 2.05 0.00	52.03 2.05 -0.06	52.09 1.99 -0.48	56.02 2.05 0.00	61.92 1.97 -5.14	66.69 2.15 -9.45	69.14 2.38 -11.44	68.24 2.43 -10.42	67.40 2.43 -9.71	67.91 2.37 -10.33	73.03 2.37 -15.40	93.73 2.22 -36.14	117.82 2.32 -57.47	152.07 2.62 -82.09	141.74 2.58 -72.96	131.45 2.24 -71.80	129.23 2.10 -71.80	103.40 2.15 -46.04	92.70 2.09 -35.51	80.83 2.31 -23.54
BETHLEHEM___STEEL 23779	46.35 -5.61 0.00	44.57 -5.01 0.00	42.37 -5.24 0.00	42.98 -5.53 0.00	43.30 -5.46 0.00	44.19 -5.74 0.00	43.55 -6.10 -0.03	46.27 -6.69 1.00	46.09 -6.96 1.76	39.13 -6.67 9.30	38.83 -6.36 10.13	38.72 -6.31 10.35	38.51 -6.41 10.34	38.13 -6.74 10.34	38.66 -6.69 9.92	39.65 -6.48 9.24	43.02 -6.32 8.68	50.89 -7.75 8.72	49.32 -7.55 9.34	43.05 -6.49 7.88	43.00 -6.14 6.19	40.05 -6.40 8.75	46.81 -6.56 1.73	50.46 -6.10 -1.58
BETHLHEM_115KV_TB1 79974	53.99 2.03 0.00	51.51 1.93 0.00	49.52 1.90 0.00	50.46 1.94 0.00	50.76 2.00 0.00	51.98 2.00 -0.06	52.02 1.94 -0.47	55.97 2.00 0.00	61.76 1.97 -4.97	66.34 2.09 -9.15	69.07 2.38 -11.37	68.18 2.38 -10.41	67.34 2.38 -9.70	67.82 2.37 -10.24	72.91 2.32 -15.32	92.62 2.22 -35.03	116.00 2.32 -55.65	149.79 2.63 -79.81	139.41 2.58 -70.63	129.18 2.24 -69.52	126.95 2.10 -69.52	101.88 2.10 -44.58	91.57 2.09 -34.38	80.03 2.25 -22.80
BETHPAGE_CC_5 323564	68.27 4.68 -11.62	63.18 4.36 -9.24	51.91 4.29 -0.01	53.09 4.56 -0.01	53.99 4.54 -0.70	56.85 4.69 -2.23	61.98 4.72 -7.65	67.90 5.18 -8.75	70.71 5.21 -10.68	73.61 5.62 -12.89	86.99 5.86 -25.81	82.37 5.71 -21.28	78.87 5.64 -17.97	80.61 5.57 -19.83	84.42 5.92 -23.25	96.29 5.98 -34.94	129.77 6.27 -65.48	139.29 7.21 -64.73	135.05 6.95 -61.91	124.93 6.03 -61.49	114.50 5.70 -53.47	115.15 5.69 -54.26	90.58 5.68 -29.81	81.74 5.61 -21.15
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	46.56 -5.40 0.00	44.71 -4.86 0.00	42.52 -5.09 0.00	43.13 -5.39 0.00	43.44 -5.31 0.00	44.34 -5.59 0.00	43.75 -5.90 -0.03	46.55 -6.48 0.94	46.28 -6.91 1.63	39.76 -6.67 8.67	39.61 -6.31 9.41	39.46 -6.31 9.61	39.24 -6.41 9.61	38.91 -6.68 9.62	39.40 -6.69 9.17	40.42 -6.48 8.47	43.86 -6.32 7.84	51.96 -7.68 7.71	50.40 -7.41 8.38	43.97 -6.43 7.01	43.76 -6.14 5.43	40.83 -6.40 7.97	47.10 -6.56 1.44	50.70 -5.88 -1.60



BINGHAMTON___COGEN 23790	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.94 -0.74 -0.07	53.27 -0.70 0.00	54.67 -0.88 -0.73	55.77 -0.66 -1.33	57.45 -0.50 -2.63	57.54 -0.44 -2.60	57.13 -0.55 -2.42	56.82 -0.66 -2.27	58.28 -0.61 -3.63	60.21 -0.44 -5.27	65.90 -0.29 -8.17	79.80 -0.34 -12.79	76.17 -0.33 -10.30	67.28 -0.34 -10.21	65.10 -0.44 -10.21	61.20 -0.55 -6.54	59.49 -0.66 -5.05	57.78 -0.55 -3.35
BIXINCNT_115KV_LOAD 355685	45.89 -6.08 0.00	44.27 -5.30 0.00	42.09 -5.52 0.00	42.45 -6.06 0.00	42.81 -5.95 0.00	43.64 -6.29 0.00	43.15 -6.50 -0.04	46.18 -7.18 0.61	46.07 -7.84 0.90	42.09 -7.66 5.35	42.16 -7.58 5.58	42.08 -7.59 5.72	41.88 -7.63 5.76	41.47 -7.95 5.78	42.13 -7.90 5.23	43.31 -7.64 4.42	46.88 -7.72 3.42	55.97 -8.96 2.42	54.23 -8.61 3.36	47.54 -7.41 2.47	46.63 -7.25 1.45	44.03 -7.34 3.84	47.53 -7.66 -0.09	50.27 -6.43 -1.72
BLACK RIVER___HYD 24047	51.35 -0.62 0.00	49.17 -0.40 0.00	46.99 -0.62 0.00	47.84 -0.68 0.00	47.98 -0.78 0.00	49.07 -0.85 0.00	49.22 -0.40 0.00	53.75 -0.22 0.00	54.55 -0.27 0.00	54.93 -0.16 0.00	55.42 -0.28 -0.38	55.59 -0.22 -0.42	55.05 -0.61 -0.39	54.91 -0.61 -0.31	55.47 -0.33 -0.54	55.65 0.22 -0.05	58.60 0.58 0.00	68.71 0.94 -0.42	66.93 0.73 0.00	57.87 0.46 0.00	55.72 0.39 0.00	55.48 0.28 0.00	55.21 0.11 0.00	54.76 -0.22 0.00
BLACKRVR_115KV_TB2 79977	51.34 -0.62 0.00	49.18 -0.40 0.00	46.99 -0.62 0.00	47.84 -0.68 0.00	47.98 -0.78 0.00	49.07 -0.85 0.00	49.22 -0.40 0.00	53.75 -0.22 0.00	54.54 -0.27 0.00	54.93 -0.17 0.00	55.42 -0.28 -0.38	55.59 -0.22 -0.42	55.05 -0.61 -0.39	54.90 -0.61 -0.31	55.47 -0.33 -0.54	55.65 0.22 -0.05	58.60 0.58 0.00	68.71 0.94 -0.42	66.93 0.73 0.00	57.88 0.46 0.00	55.72 0.39 0.00	55.48 0.28 0.00	55.21 0.11 0.00	54.76 -0.22 0.00
BLISS_WT_PWR 323608	45.47 -6.50 0.00	43.87 -5.70 0.00	41.71 -5.91 0.00	42.02 -6.50 0.00	42.37 -6.39 0.00	43.19 -6.74 0.00	42.86 -6.80 -0.04	45.70 -7.66 0.61	45.63 -8.28 0.90	41.60 -8.15 5.35	41.55 -8.19 5.58	41.53 -8.14 5.72	41.27 -8.23 5.76	40.98 -8.45 5.78	41.57 -8.45 5.23	42.76 -8.20 4.42	46.19 -8.41 3.42	55.23 -9.70 2.42	53.51 -9.33 3.36	46.96 -7.98 2.47	46.13 -7.75 1.45	43.59 -7.78 3.84	47.20 -7.99 -0.09	49.88 -6.82 -1.72
BLUESTONE___WT_PWR 323821	53.78 1.82 0.00	51.56 1.98 0.00	49.23 1.62 0.00	50.17 1.65 0.00	50.27 1.51 0.00	51.49 1.55 -0.01	51.75 2.04 -0.10	56.34 2.37 0.00	58.19 2.30 -1.07	59.70 2.64 -1.96	60.96 2.66 -2.98	61.04 2.82 -2.84	60.33 2.43 -2.64	60.10 2.26 -2.63	61.81 2.49 -4.06	66.03 3.04 -7.61	73.42 3.42 -11.97	89.29 4.18 -17.77	85.16 3.84 -15.13	75.53 3.16 -14.96	73.22 2.93 -14.96	67.44 2.65 -9.59	65.03 2.54 -7.40	62.25 2.36 -4.91
BLUE_CIRC_CHEM_DRP 24182	54.10 2.13 0.00	51.60 2.03 0.00	49.61 2.00 0.00	50.55 2.04 0.00	50.81 2.05 0.00	52.07 2.10 -0.05	52.00 1.98 -0.40	56.02 2.05 0.00	61.06 1.97 -4.27	64.99 2.04 -7.85	68.39 2.16 -10.92	67.82 2.22 -10.22	67.00 2.21 -9.53	67.13 2.21 -9.72	72.28 2.21 -14.81	87.81 2.22 -30.22	108.09 2.32 -47.74	139.72 2.63 -69.74	129.23 2.52 -60.52	119.29 2.24 -59.64	117.13 2.16 -59.64	95.60 2.15 -38.24	86.74 2.15 -29.50	76.79 2.25 -19.56
BOC_GAS_DRP 24189	53.63 1.66 0.00	51.16 1.59 0.00	49.18 1.57 0.00	50.16 1.65 0.00	50.42 1.66 0.00	51.67 1.70 -0.05	51.64 1.64 -0.38	55.70 1.73 0.00	60.59 1.70 -4.07	64.46 1.87 -7.49	68.33 2.05 -10.97	67.80 2.05 -10.37	66.97 2.04 -9.67	66.91 1.99 -9.72	72.16 1.99 -14.91	86.26 1.99 -28.89	105.64 2.09 -45.53	136.83 2.36 -67.12	126.20 2.32 -57.68	116.30 2.01 -56.88	114.09 1.88 -56.88	93.55 1.88 -36.47	85.10 1.87 -28.13	75.56 1.92 -18.65
BOONVILLE_115KV_TB1 79983	52.49 0.52 0.00	50.17 0.59 0.00	48.09 0.48 0.00	49.00 0.49 0.00	49.15 0.39 0.00	50.37 0.45 0.00	50.31 0.69 0.00	54.83 0.86 0.00	55.70 0.88 0.00	56.09 0.99 0.00	56.49 0.94 -0.23	56.64 1.00 -0.26	56.28 0.77 -0.24	56.11 0.72 -0.19	56.48 0.88 -0.33	56.57 1.16 -0.03	59.36 1.33 0.00	69.29 1.68 -0.26	67.72 1.52 0.00	58.62 1.21 0.00	56.38 1.05 0.00	56.20 0.99 0.00	56.03 0.94 0.00	55.75 0.77 0.00
BORALEX_4TH_BRANCH 23824	55.45 3.48 0.00	52.79 3.22 0.00	50.75 3.14 0.00	51.77 3.25 0.00	52.03 3.27 0.00	53.40 3.39 -0.08	53.63 3.42 -0.59	57.69 3.72 0.00	64.90 3.78 -6.30	70.66 3.97 -11.60	71.26 4.09 -11.85	69.82 4.10 -10.33	68.98 4.09 -9.63	70.14 4.03 -10.91	75.05 4.03 -15.76	103.50 4.10 -44.03	132.90 4.35 -70.52	170.71 5.05 -98.31	160.75 4.90 -89.65	149.76 4.25 -88.10	147.47 4.04 -88.10	115.73 4.03 -56.49	102.58 3.91 -43.57	87.72 3.85 -28.89
BOWLINE___1 23526	54.72 2.75 0.00	52.10 2.53 0.00	50.09 2.47 0.00	51.13 2.62 0.00	51.39 2.63 0.00	52.64 2.69 -0.02	52.62 2.83 -0.17	56.99 3.02 0.00	59.58 2.90 -1.86	61.83 3.31 -3.42	66.37 3.54 -7.51	66.08 3.60 -7.10	65.76 3.54 -6.96	64.88 3.48 -6.19	69.40 3.54 -10.60	72.47 3.60 -13.50	82.68 3.83 -20.83	105.62 4.64 -33.62	96.86 4.44 -26.23	87.23 3.79 -26.02	84.78 3.43 -26.02	75.09 3.42 -16.46	71.33 3.36 -12.87	66.70 3.19 -8.53
BOWLINE___2 23595	54.67 2.70 0.00	52.05 2.48 0.00	50.04 2.43 0.00	51.08 2.57 0.00	51.34 2.58 0.00	52.59 2.64 -0.02	52.57 2.78 -0.17	56.93 2.97 0.00	59.58 2.90 -1.86	61.83 3.31 -3.42	66.37 3.54 -7.51	66.08 3.60 -7.10	65.76 3.54 -6.96	64.88 3.48 -6.19	69.40 3.54 -10.60	72.47 3.60 -13.50	82.68 3.83 -20.83	105.62 4.64 -33.63	96.86 4.44 -26.23	87.23 3.79 -26.02	84.79 3.43 -26.02	75.09 3.42 -16.46	71.33 3.36 -12.87	66.70 3.19 -8.53
BRADY___115KV_TB2 356060	52.17 0.21 0.00	49.87 0.30 0.00	47.80 0.19 0.00	48.61 0.10 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.67 0.05 0.00	54.08 0.11 0.00	54.82 0.00 0.00	54.71 -0.39 0.00	54.66 -0.66 0.00	54.72 -0.66 0.00	54.60 -0.66 0.00	54.60 -0.61 0.00	54.60 -0.66 0.00	54.71 -0.66 0.00	57.27 -0.75 0.00	66.74 -0.61 0.00	65.80 -0.40 0.00	57.01 -0.40 0.00	54.94 -0.39 0.00	55.04 -0.17 0.00	55.04 -0.06 0.00	55.04 0.05 0.00
BRANSCOMB___SOLAR 323811	55.24 3.28 0.00	52.60 3.02 0.00	50.56 2.95 0.00	51.47 2.96 0.00	51.83 3.07 0.00	53.26 3.24 -0.10	53.59 3.22 -0.75	57.43 3.46 0.00	66.37 3.62 -7.94	73.39 3.69 -14.60	71.78 3.65 -12.81	69.70 3.65 -10.66	68.85 3.65 -9.94	70.88 3.64 -12.03	75.79 3.70 -16.83	114.30 3.77 -55.15	150.84 4.00 -88.81	193.48 4.64 -121.48	183.80 4.56 -113.03	172.32 3.96 -110.95	170.09 3.81 -110.95	130.11 3.76 -71.14	113.66 3.69 -54.87	94.93 3.57 -36.38
BRENTWOD_69_KV_W. BRTWOOD 56703	67.99 5.72 -10.31	63.23 5.45 -8.20	52.81 5.19 -0.01	54.01 5.48 -0.01	54.89 5.51 -0.62	57.55 5.64 -1.98	62.18 5.76 -6.81	68.21 6.48 -7.77	71.04 6.52 -9.70	73.60 6.67 -11.84	86.48 6.97 -24.19	83.37 6.70 -21.28	79.48 6.91 -17.31	81.32 6.79 -19.33	84.37 7.24 -21.87	95.57 7.36 -32.83	125.92 7.37 -60.53	137.27 8.55 -61.37	132.40 8.21 -58.00	122.08 7.06 -57.60	112.73 6.92 -50.49	112.99 7.12 -50.66	90.16 7.11 -27.95	81.72 6.98 -19.76



BRISTLHL_115KV_TB1 79998	50.20 -1.77 0.00	47.89 -1.69 0.00	45.94 -1.67 0.00	46.82 -1.70 0.00	47.05 -1.71 0.00	48.18 -1.75 0.00	47.93 -1.69 0.00	52.24 -1.73 0.00	53.17 -1.64 0.00	53.61 -1.49 0.00	54.58 -1.33 -0.59	54.83 -1.22 -0.66	54.55 -1.33 -0.61	54.25 -1.44 -0.48	54.72 -1.38 -0.85	54.19 -1.27 -0.08	56.81 -1.22 0.00	66.52 -1.48 -0.65	64.74 -1.46 0.00	56.10 -1.32 0.00	54.06 -1.27 0.00	53.77 -1.44 0.00	53.61 -1.49 0.00	53.39 -1.59 0.00
BROOKHAVEN___DRP 24191	67.85 5.72 -10.17	63.06 5.40 -8.09	52.76 5.14 -0.01	53.91 5.39 -0.01	54.83 5.46 -0.61	57.47 5.59 -1.95	62.09 5.76 -6.71	68.10 6.48 -7.66	70.93 6.52 -9.59	73.43 6.61 -11.72	86.19 6.86 -24.01	83.26 6.59 -21.28	79.24 6.74 -17.24	81.10 6.62 -19.27	84.16 7.18 -21.72	95.33 7.36 -32.59	125.84 7.83 -59.98	137.57 9.23 -60.99	132.57 8.80 -57.56	122.05 7.46 -57.17	112.68 7.19 -50.16	112.70 7.23 -50.26	90.01 7.16 -27.75	81.62 7.04 -19.60
BROOKLYN_NAVY_YARD 23515	55.24 3.28 0.00	52.55 2.97 0.00	50.52 2.90 0.00	51.67 3.15 0.00	51.83 3.07 0.00	53.19 3.24 -0.02	53.22 3.42 -0.18	57.80 3.83 0.00	60.63 3.89 -1.92	62.95 4.30 -3.55	71.40 4.43 -11.65	82.14 4.48 -22.27	72.14 4.42 -12.46	75.59 4.36 -16.03	70.90 4.64 -10.99	76.25 4.54 -16.34	84.54 4.99 -21.53	108.02 5.93 -34.74	98.99 5.69 -27.09	89.17 4.88 -26.88	86.75 4.54 -26.88	82.15 4.31 -22.63	72.75 4.35 -13.30	67.93 4.13 -8.82
BROOKLYN___ARMY_DRP 323595	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
BROOKVLE_69_KV_TB1 55790	72.25 4.52 -15.76	66.33 4.21 -12.54	51.67 4.05 -0.02	52.85 4.32 -0.02	54.05 4.34 -0.95	57.39 4.44 -3.02	64.45 4.52 -10.31	70.81 4.97 -11.88	73.61 4.99 -13.80	76.71 5.40 -16.22	91.96 5.70 -30.94	82.32 5.65 -21.28	81.01 5.69 -20.06	82.20 5.58 -21.41	88.45 5.58 -27.60	102.69 5.70 -41.61	145.16 6.03 -81.10	149.73 7.00 -75.37	147.29 6.82 -74.27	137.05 5.86 -73.78	123.72 5.48 -62.91	126.32 5.47 -65.65	96.16 5.40 -35.66	85.73 5.22 -25.53
BROOME_2_LFGE 323671	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.99 -0.69 -0.07	53.21 -0.76 0.00	54.67 -0.88 -0.73	55.77 -0.66 -1.33	57.40 -0.55 -2.63	57.54 -0.45 -2.60	57.13 -0.55 -2.42	56.82 -0.66 -2.27	58.28 -0.61 -3.63	60.20 -0.44 -5.27	65.90 -0.29 -8.17	79.80 -0.34 -12.79	76.10 -0.39 -10.30	67.28 -0.34 -10.21	65.16 -0.38 -10.21	61.20 -0.55 -6.54	59.49 -0.66 -5.05	57.84 -0.50 -3.35
BROOME___LFGE 323600	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.99 -0.69 -0.07	53.21 -0.76 0.00	54.67 -0.88 -0.73	55.77 -0.66 -1.33	57.40 -0.55 -2.63	57.54 -0.45 -2.60	57.13 -0.55 -2.42	56.82 -0.66 -2.27	58.28 -0.61 -3.63	60.20 -0.44 -5.27	65.90 -0.29 -8.17	79.80 -0.34 -12.79	76.10 -0.39 -10.30	67.28 -0.34 -10.21	65.16 -0.38 -10.21	61.20 -0.55 -6.54	59.49 -0.66 -5.05	57.84 -0.50 -3.35
BROWNFLS_115KV_TB_3_5 80003	50.51 -1.46 0.00	48.28 -1.29 0.00	46.23 -1.38 0.00	47.06 -1.46 0.00	47.20 -1.56 0.00	48.33 -1.60 0.00	48.18 -1.44 0.00	52.57 -1.40 0.00	53.34 -1.48 0.00	53.44 -1.65 0.00	53.69 -1.83 -0.19	53.83 -1.77 -0.21	53.47 -1.99 -0.20	53.37 -1.99 -0.15	53.60 -1.93 -0.27	53.69 -1.72 -0.03	56.28 -1.74 0.00	65.81 -1.75 -0.21	64.48 -1.72 0.00	55.81 -1.61 0.00	53.78 -1.55 0.00	53.77 -1.44 0.00	53.66 -1.43 0.00	53.50 -1.48 0.00
BROWNSV1_27_KV_LOAD 356125	55.81 3.85 0.00	53.09 3.52 0.00	50.99 3.38 0.00	52.15 3.64 0.00	52.37 3.61 0.00	53.69 3.74 -0.02	53.67 3.87 -0.18	58.29 4.32 0.00	61.18 4.44 -1.92	63.55 4.90 -3.55	72.29 5.20 -11.77	83.35 5.21 -22.75	73.02 5.14 -12.62	76.62 5.08 -16.33	71.45 5.19 -10.99	77.04 5.26 -16.40	85.11 5.57 -21.52	108.69 6.60 -34.74	99.65 6.36 -27.09	89.75 5.45 -26.88	87.25 5.04 -26.88	83.03 5.02 -22.80	73.35 4.96 -13.30	68.53 4.73 -8.82
BURROWS___LYONSDAL 23803	52.12 0.16 0.00	49.82 0.25 0.00	47.75 0.14 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.97 0.35 0.00	54.45 0.49 0.00	55.31 0.49 0.00	55.70 0.61 0.00	56.11 0.55 -0.24	56.21 0.55 -0.27	55.84 0.33 -0.25	55.68 0.28 -0.19	56.05 0.44 -0.34	56.18 0.78 -0.03	58.95 0.93 0.00	68.83 1.21 -0.26	67.26 1.06 0.00	58.22 0.80 0.00	56.05 0.72 0.00	55.87 0.66 0.00	55.65 0.55 0.00	55.37 0.38 0.00
CAITHNESS_CC_1 323624	67.63 5.51 -10.16	62.86 5.20 -8.08	52.62 5.00 -0.01	53.77 5.24 -0.01	54.63 5.27 -0.61	57.32 5.44 -1.95	61.94 5.61 -6.71	67.94 6.31 -7.66	70.76 6.36 -9.58	73.48 6.66 -11.72	86.12 6.80 -24.00	83.26 6.59 -21.28	78.96 6.46 -17.23	80.93 6.46 -19.27	83.94 6.96 -21.71	95.16 7.20 -32.59	125.54 7.54 -59.98	137.22 8.89 -60.98	132.23 8.48 -57.55	121.81 7.23 -57.16	112.45 6.97 -50.15	112.42 6.96 -50.25	89.79 6.94 -27.75	81.41 6.82 -19.61
CALPINE BETH_PAGE_GT4 24209	68.97 4.73 -12.28	63.80 4.46 -9.77	51.91 4.29 -0.01	53.14 4.61 -0.01	54.08 4.58 -0.74	56.97 4.69 -2.36	62.31 4.61 -8.07	68.35 5.13 -9.25	71.15 5.15 -11.18	73.92 5.40 -13.42	87.64 5.70 -26.63	82.21 5.54 -21.28	79.20 5.64 -18.30	80.81 5.52 -20.08	85.06 5.86 -23.94	97.30 5.93 -36.00	132.19 6.21 -67.96	140.98 7.21 -66.42	137.03 6.95 -63.88	126.83 5.97 -63.44	115.95 5.64 -54.97	116.97 5.69 -56.07	91.45 5.62 -30.74	82.32 5.50 -21.84
CALPINE_BETH_PAGE_GT_4 323586	68.97 4.73 -12.28	63.75 4.41 -9.77	51.91 4.29 -0.01	53.09 4.56 -0.01	54.03 4.54 -0.74	56.97 4.69 -2.36	62.31 4.62 -8.07	68.35 5.13 -9.25	71.15 5.15 -11.18	74.08 5.56 -13.42	87.75 5.81 -26.63	82.37 5.71 -21.28	79.20 5.64 -18.30	80.81 5.52 -20.08	85.06 5.85 -23.94	97.30 5.93 -36.00	132.20 6.21 -67.97	140.91 7.14 -66.42	137.02 6.95 -63.88	126.83 5.97 -63.44	115.95 5.65 -54.97	116.91 5.63 -56.07	91.46 5.62 -30.74	82.33 5.50 -21.85
CALPINE_BP_GT1 23823	68.97 4.73 -12.28	63.75 4.41 -9.77	51.91 4.29 -0.01	53.09 4.56 -0.01	54.03 4.54 -0.74	56.97 4.69 -2.36	62.31 4.62 -8.07	68.35 5.13 -9.25	71.15 5.15 -11.18	74.08 5.56 -13.42	87.75 5.81 -26.63	82.37 5.71 -21.28	79.20 5.64 -18.30	80.81 5.52 -20.08	85.06 5.85 -23.94	97.30 5.93 -36.00	132.20 6.21 -67.97	140.91 7.14 -66.42	137.02 6.95 -63.88	126.83 5.97 -63.44	115.95 5.65 -54.97	116.91 5.63 -56.07	91.46 5.62 -30.74	82.33 5.50 -21.85
CALSPAN___DRP 24200	46.35 -5.61 0.00	44.57 -5.01 0.00	42.37 -5.24 0.00	42.98 -5.53 0.00	43.30 -5.46 0.00	44.19 -5.74 0.00	43.55 -6.10 -0.03	46.27 -6.69 1.00	46.09 -6.96 1.76	39.13 -6.67 9.30	38.83 -6.36 10.13	38.72 -6.31 10.35	38.51 -6.41 10.34	38.13 -6.74 10.34	38.66 -6.69 9.92	39.65 -6.48 9.24	43.02 -6.32 8.68	50.89 -7.75 8.72	49.32 -7.55 9.34	43.05 -6.49 7.88	43.00 -6.14 6.19	40.05 -6.40 8.75	46.81 -6.56 1.73	50.46 -6.10 -1.58



CALVERTON___SOLAR 323806	68.00 5.87 -10.17	63.16 5.50 -8.09	52.90 5.28 -0.01	54.05 5.53 -0.01	54.92 5.56 -0.61	57.62 5.74 -1.95	62.29 5.95 -6.72	68.32 6.69 -7.66	71.09 6.69 -9.59	73.82 7.00 -11.72	86.41 7.08 -24.01	83.53 6.87 -21.28	79.24 6.74 -17.24	81.27 6.79 -19.27	84.27 7.29 -21.72	95.56 7.59 -32.60	126.03 8.01 -60.00	137.85 9.50 -61.00	132.84 9.07 -57.57	122.29 7.70 -57.18	112.91 7.42 -50.16	112.88 7.40 -50.27	90.18 7.33 -27.76	81.85 7.26 -19.61
CANDIGU_WT_PWR 323617	48.01 -3.95 0.00	45.96 -3.62 0.00	43.80 -3.81 0.00	44.54 -3.98 0.00	44.81 -3.95 0.00	45.84 -4.09 -0.01	45.59 -4.07 -0.04	43.86 -4.42 5.68	38.46 -4.88 11.48	-4.83 -4.57 55.35	-11.14 -4.43 62.03	-12.00 -4.26 63.12	-12.00 -4.47 62.79	-12.00 -4.58 62.62	-12.00 -4.70 62.56	-12.00 -4.48 62.89	-12.00 -4.35 65.67	-12.00 -4.85 74.50	-12.00 -4.77 73.43	-12.00 -4.19 65.23	-4.64 -4.26 55.71	-12.00 -4.42 62.79	30.60 -4.46 20.04	53.08 -4.07 -2.16
CARR STREET_E_SYR 24060	50.57 -1.40 0.00	48.28 -1.29 0.00	46.33 -1.28 0.00	47.21 -1.31 0.00	47.44 -1.31 0.00	48.58 -1.35 0.00	48.38 -1.24 0.00	52.67 -1.30 0.00	53.56 -1.26 0.00	54.05 -1.05 0.00	55.06 -0.94 -0.68	55.25 -0.89 -0.75	55.02 -0.94 -0.70	54.70 -1.05 -0.55	55.23 -0.99 -0.97	54.58 -0.89 -0.10	57.27 -0.76 0.00	67.15 -0.94 -0.75	65.21 -0.99 0.00	56.56 -0.86 0.00	54.50 -0.83 0.00	54.21 -0.99 0.00	54.00 -1.10 0.00	53.82 -1.16 0.00
CARTHAGE___PAPER 23857	51.08 -0.88 0.00	48.88 -0.69 0.00	46.76 -0.86 0.00	47.64 -0.87 0.00	47.78 -0.97 0.00	48.92 -1.00 0.00	48.97 -0.65 0.00	53.48 -0.49 0.00	54.27 -0.55 0.00	54.55 -0.55 0.00	55.00 -0.66 -0.34	55.10 -0.66 -0.38	54.56 -1.05 -0.35	54.43 -1.05 -0.27	54.92 -0.83 -0.48	55.04 -0.38 -0.05	57.91 -0.12 0.00	67.92 0.20 -0.37	66.27 0.07 0.00	57.30 -0.11 0.00	55.11 -0.22 0.00	54.99 -0.22 0.00	54.77 -0.33 0.00	54.38 -0.60 0.00
CASSADAGA_WT_PWR 323784	45.21 -6.75 0.00	43.42 -6.15 0.00	41.23 -6.38 0.00	41.68 -6.84 0.00	42.13 -6.63 0.00	42.94 -6.99 0.00	42.56 -7.10 -0.03	46.80 -6.42 0.74	46.87 -6.74 1.20	40.35 -8.05 6.71	40.26 -7.91 7.15	40.21 -7.86 7.31	39.97 -7.96 7.33	39.52 -8.34 7.35	40.13 -8.29 6.85	41.37 -7.92 6.08	46.69 -6.09 5.24	55.47 -7.28 4.60	53.75 -7.02 5.43	47.05 -6.03 4.34	46.37 -5.87 3.09	43.66 -6.02 5.53	48.33 -6.23 0.54	49.77 -6.87 -1.67
CE_DUNWOOD___DRP 24194	55.14 3.17 0.00	52.50 2.92 0.00	50.42 2.81 0.00	51.52 3.01 0.00	51.83 3.07 0.00	53.04 3.10 -0.02	53.02 3.23 -0.18	57.53 3.56 0.00	60.29 3.56 -1.91	62.58 3.97 -3.52	67.21 4.26 -7.63	66.59 4.26 -6.94	66.55 4.26 -7.04	65.54 4.20 -6.14	70.42 4.26 -10.91	73.51 4.32 -13.82	84.02 4.58 -21.41	107.44 5.52 -34.57	98.39 5.23 -26.96	88.64 4.48 -26.75	86.17 4.09 -26.75	76.08 4.09 -16.79	72.35 4.02 -13.23	67.60 3.85 -8.77
CE_MILLWOOD___DRP 24193	55.03 3.07 0.00	52.40 2.83 0.00	50.37 2.76 0.00	51.47 2.96 0.00	51.73 2.97 0.00	52.99 3.05 -0.02	52.92 3.13 -0.18	57.42 3.45 0.00	60.18 3.45 -1.91	62.46 3.86 -3.51	67.12 4.15 -7.65	66.65 4.15 -7.11	66.43 4.09 -7.08	65.48 4.03 -6.24	70.22 4.09 -10.87	73.39 4.21 -13.80	83.83 4.47 -21.34	107.13 5.32 -34.46	98.17 5.10 -26.87	88.44 4.36 -26.66	85.98 3.98 -26.66	75.98 3.97 -16.80	72.19 3.91 -13.19	67.41 3.68 -8.74
CE_NYC2_DRP 24202	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.69 3.74 -0.02	53.62 3.82 -0.18	58.23 4.26 0.00	61.02 4.28 -1.92	63.39 4.74 -3.55	72.00 5.03 -11.65	82.75 5.10 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.81 5.09 -16.34	85.02 5.45 -21.54	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.70 4.86 -22.63	73.14 4.74 -13.31	68.42 4.62 -8.82
CE_NYC_DRP 24195	55.45 3.48 0.00	52.75 3.17 0.00	50.66 3.05 0.00	51.81 3.30 0.00	52.07 3.32 0.00	53.34 3.39 -0.02	53.32 3.52 -0.18	57.91 3.94 0.00	60.74 4.00 -1.92	63.10 4.46 -3.54	70.05 4.76 -9.97	76.00 4.76 -15.85	70.20 4.75 -10.19	71.73 4.64 -11.88	70.99 4.75 -10.98	75.49 4.82 -15.30	84.64 5.11 -21.51	108.15 6.06 -34.74	99.11 5.83 -27.09	89.29 5.00 -26.88	86.80 4.59 -26.88	79.99 4.58 -20.20	72.91 4.52 -13.29	68.08 4.29 -8.81
CHAFFEE___LFGE 323603	46.62 -5.35 0.00	44.81 -4.76 0.00	42.61 -5.00 0.00	43.18 -5.34 0.00	43.54 -5.22 0.00	44.44 -5.49 0.00	43.95 -5.70 -0.03	46.74 -6.42 0.80	46.69 -6.80 1.33	41.29 -6.50 7.31	41.18 -6.31 7.84	41.17 -6.20 8.01	40.93 -6.30 8.03	40.59 -6.57 8.04	41.13 -6.58 7.55	42.25 -6.31 6.81	45.78 -6.21 6.03	54.26 -7.54 5.55	52.52 -7.35 6.32	45.89 -6.37 5.15	45.50 -6.03 3.80	42.69 -6.24 6.27	47.89 -6.39 0.81	50.86 -5.77 -1.65
CHATEAUG_35_KV_LOAD 355732	51.60 -0.36 0.00	49.23 -0.35 0.00	47.23 -0.38 0.00	48.03 -0.49 0.00	48.17 -0.59 0.00	49.37 -0.55 0.00	48.82 -0.79 0.00	53.21 -0.76 0.00	54.05 -0.77 0.00	53.88 -1.21 0.00	53.88 -1.44 0.00	53.89 -1.50 0.00	53.82 -1.44 0.00	53.83 -1.38 0.00	53.77 -1.49 0.00	53.77 -1.61 0.00	56.34 -1.68 0.00	65.73 -1.62 0.00	65.01 -1.19 0.00	56.38 -1.03 0.00	54.45 -0.89 0.00	54.54 -0.66 0.00	54.55 -0.55 0.00	54.76 -0.22 0.00
CHATEAUG_WT_PWR 323614	51.45 -0.52 0.00	49.08 -0.50 0.00	47.09 -0.52 0.00	47.88 -0.63 0.00	48.08 -0.68 0.00	49.22 -0.70 0.00	48.57 -1.04 0.00	53.05 -0.92 0.00	53.89 -0.93 0.00	53.72 -1.38 0.00	53.77 -1.55 0.00	53.78 -1.61 0.00	53.66 -1.60 0.00	53.60 -1.60 0.00	53.60 -1.66 0.00	56.17 -1.77 0.00	65.60 -1.86 0.00	64.81 -1.75 0.00	56.27 -1.39 0.00	54.28 -1.15 0.00	54.38 -1.05 0.00	54.44 -0.83 0.00	54.65 -0.66 0.00	54.76 -0.33 0.00
CHAT_HIGH_FALL_HYD 323578	51.60 -0.36 0.00	49.23 -0.35 0.00	47.23 -0.38 0.00	48.03 -0.49 0.00	48.17 -0.59 0.00	49.37 -0.55 0.00	48.82 -0.79 0.00	53.21 -0.76 0.00	54.05 -0.77 0.00	53.88 -1.21 0.00	53.88 -1.44 0.00	53.89 -1.50 0.00	53.82 -1.44 0.00	53.83 -1.38 0.00	53.77 -1.49 0.00	53.77 -1.61 0.00	56.34 -1.68 0.00	65.73 -1.62 0.00	65.01 -1.19 0.00	56.38 -1.03 0.00	54.45 -0.89 0.00	54.54 -0.66 0.00	54.55 -0.55 0.00	54.76 -0.22 0.00
CHAUTAUQUA___LFGE 323629	45.94 -6.03 0.00	44.17 -5.40 0.00	41.94 -5.67 0.00	42.50 -6.02 0.00	42.86 -5.90 0.00	43.74 -6.19 0.00	43.30 -6.35 -0.03	46.34 -6.69 0.93	46.35 -6.85 1.62	39.42 -7.05 8.62	39.11 -6.86 9.35	39.02 -6.81 9.55	38.85 -6.85 9.55	38.42 -7.23 9.56	38.97 -7.18 9.10	40.05 -6.92 8.40	44.11 -6.15 7.76	52.27 -7.48 7.60	50.63 -7.28 8.28	44.24 -6.26 6.92	44.00 -5.98 5.35	41.13 -6.18 7.90	47.30 -6.39 1.40	50.28 -6.32 -1.61
CHERRYST_13_KV_LD 356241	55.55 3.59 0.00	52.84 3.27 0.00	50.80 3.19 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	58.07 4.10 0.00	60.91 4.17 -1.92	63.27 4.63 -3.54	70.22 4.92 -9.97	76.16 4.93 -15.85	70.37 4.92 -10.19	71.89 4.80 -11.88	71.16 4.92 -10.98	75.66 4.98 -15.30	84.82 5.28 -21.51	108.35 6.26 -34.74	99.31 6.02 -27.09	89.46 5.17 -26.88	86.97 4.76 -26.88	80.16 4.75 -20.20	73.07 4.68 -13.29	68.25 4.45 -8.81



CHESTROR_138KV_BK263 355645	54.51 2.55 0.00	51.90 2.33 0.00	49.90 2.29 0.00	50.94 2.43 0.00	51.20 2.44 0.00	52.44 2.50 -0.02	52.37 2.58 -0.17	56.77 2.81 0.00	59.40 2.80 -1.79	61.53 3.14 -3.29	65.95 3.37 -7.26	65.80 3.38 -7.03	65.33 3.32 -6.75	64.55 3.26 -6.09	68.74 3.32 -10.16	71.81 3.43 -13.01	81.75 3.71 -20.02	104.08 4.45 -32.29	95.64 4.24 -25.20	86.04 3.62 -25.01	83.66 3.32 -25.01	74.37 3.26 -15.91	70.66 3.20 -12.37	66.21 3.02 -8.20
CH_MIDHUDSON___DRP 24192	55.40 3.43 0.00	52.75 3.17 0.00	50.66 3.05 0.00	51.77 3.25 0.00	52.03 3.27 0.00	53.29 3.34 -0.02	53.23 3.42 -0.19	57.75 3.78 0.00	60.66 3.84 -2.00	63.02 4.24 -3.68	67.81 4.43 -8.06	67.89 4.43 -8.07	67.15 4.37 -7.52	66.44 4.31 -6.93	70.77 4.37 -11.14	74.45 4.49 -14.59	85.25 4.82 -22.41	109.11 5.79 -35.97	99.98 5.56 -28.22	90.17 4.77 -27.99	87.69 4.37 -27.99	77.46 4.31 -17.95	73.18 4.24 -13.84	68.23 4.07 -9.18
CH_MISC_IPPS 23765	55.66 3.69 0.00	52.94 3.37 0.00	50.85 3.24 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	57.96 3.99 0.00	60.90 4.11 -1.97	63.23 4.52 -3.62	67.88 4.65 -7.91	67.96 4.65 -7.92	67.23 4.58 -7.38	66.53 4.53 -6.80	70.73 4.53 -10.94	74.42 4.70 -14.34	85.15 5.11 -22.01	108.87 6.19 -35.33	99.89 5.96 -27.73	90.03 5.11 -27.50	87.48 4.65 -27.50	77.42 4.58 -17.63	73.16 4.46 -13.60	68.34 4.34 -9.02
CH_RES_BVR_FALLS 23983	51.66 -0.31 0.00	49.33 -0.25 0.00	47.37 -0.24 0.00	48.23 -0.29 0.00	48.42 -0.34 0.00	49.58 -0.35 0.00	49.17 -0.45 0.00	53.48 -0.49 0.00	54.27 -0.55 0.00	54.38 -0.72 0.00	54.49 -0.83 0.00	54.56 -0.83 0.00	54.43 -0.83 0.00	54.38 -0.83 0.00	54.43 -0.83 0.00	54.49 -0.89 0.00	57.04 -0.99 0.00	66.27 -1.08 0.00	65.27 -0.93 0.00	56.61 -0.80 0.00	54.56 -0.77 0.00	54.55 -0.66 0.00	54.55 -0.55 0.00	54.49 -0.50 0.00
CH_RES_NIAGARA 23895	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.67 -6.84 0.00	42.03 -6.73 0.00	42.84 -7.09 0.00	42.16 -7.49 -0.03	45.32 -7.88 0.76	45.79 -7.73 1.30	40.72 -7.33 7.05	40.71 -6.97 7.64	40.65 -6.92 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.91 -7.02 6.09	52.62 -8.89 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.97 -7.16 0.97	48.73 -7.70 -1.45
CH_RES_SYRACUSE 23985	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.49 -1.02 0.00	47.73 -1.03 0.00	48.87 -1.05 0.00	48.67 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.44 -0.66 0.00	55.52 -0.55 -0.76	55.78 -0.45 -0.84	55.49 -0.55 -0.79	55.21 -0.61 -0.61	55.73 -0.61 -1.08	54.98 -0.50 -0.11	57.68 -0.35 0.00	67.72 -0.47 -0.83	65.74 -0.46 0.00	56.95 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.38 -0.72 0.00	54.21 -0.77 0.00
CLINTON_WT_PWR 323605	51.45 -0.52 0.00	49.08 -0.50 0.00	47.09 -0.52 0.00	47.88 -0.63 0.00	48.08 -0.68 0.00	49.22 -0.70 0.00	48.57 -1.04 0.00	53.05 -0.92 0.00	53.89 -0.93 0.00	53.72 -1.38 0.00	53.77 -1.55 0.00	53.78 -1.61 0.00	53.66 -1.60 0.00	53.60 -1.60 0.00	53.60 -1.66 0.00	53.60 -1.77 0.00	56.17 -1.86 0.00	65.60 -1.75 0.00	64.81 -1.39 0.00	56.27 -1.15 0.00	54.28 -1.05 0.00	54.38 -0.83 0.00	54.44 -0.66 0.00	54.65 -0.33 0.00
CLINTON___LFGE 323618	52.33 0.37 0.00	49.92 0.35 0.00	47.90 0.29 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.12 -0.50 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.60 0.00	54.60 -0.72 0.00	54.66 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.98 -1.04 0.00	66.55 -0.81 0.00	65.87 -0.33 0.00	57.13 -0.29 0.00	55.11 -0.22 0.00	55.26 0.06 0.00	55.21 0.11 0.00	55.59 0.61 0.00
COBBLENY_34_KV_TB1 80064	46.61 -5.35 0.00	44.76 -4.81 0.00	42.56 -5.05 0.00	43.18 -5.34 0.00	43.54 -5.22 0.00	44.39 -5.54 0.00	43.80 -5.85 -0.03	46.74 -6.42 0.80	46.69 -6.80 1.33	41.29 -6.50 7.31	41.35 -6.14 7.84	41.22 -6.15 8.01	40.99 -6.24 8.03	40.65 -6.51 8.04	41.19 -6.52 7.55	42.25 -6.31 6.81	45.84 -6.15 6.03	54.33 -7.48 5.55	52.66 -7.22 6.32	46.00 -6.26 5.15	45.55 -5.98 3.80	42.69 -6.24 6.27	47.89 -6.39 0.81	50.80 -5.83 -1.65
COFFEEN___115KV_TB3 355620	51.65 -0.31 0.00	49.47 -0.10 0.00	47.28 -0.33 0.00	48.13 -0.39 0.00	48.22 -0.54 0.00	49.37 -0.55 0.00	49.57 -0.05 0.00	54.13 0.16 0.00	54.87 0.05 0.00	55.26 0.17 0.00	55.76 0.06 -0.39	55.93 0.11 -0.43	55.39 -0.28 -0.40	55.24 -0.28 -0.31	55.87 0.06 -0.55	56.04 0.61 -0.05	59.13 1.10 0.00	69.32 1.55 -0.43	67.52 1.32 0.00	58.33 0.92 0.00	56.16 0.83 0.00	55.87 0.66 0.00	55.59 0.50 0.00	55.09 0.11 0.00
COLDSPRG_115KV_BK1 355956	47.29 -4.68 0.00	45.41 -4.16 0.00	43.18 -4.43 0.00	43.71 -4.80 0.00	44.13 -4.63 0.00	44.99 -4.94 0.00	44.49 -5.16 -0.04	48.56 -4.97 0.44	48.63 -5.65 0.55	45.31 -6.12 3.68	45.84 -5.81 3.67	45.79 -5.82 3.78	45.57 -5.86 3.83	45.16 -6.18 3.87	45.85 -6.13 3.28	47.03 -5.93 2.42	51.71 -5.05 1.26	61.62 -5.86 -0.13	59.73 -5.56 0.91	52.27 -4.88 0.27	50.82 -4.98 1.80	48.27 -5.13 -0.82	50.47 -5.45 -0.82	51.89 -4.84 -1.75
COLONIE_LFGE___ 323577	54.67 2.70 0.00	52.10 2.53 0.00	50.09 2.47 0.00	51.04 2.52 0.00	51.34 2.58 0.00	52.70 2.69 -0.09	52.92 2.63 -0.67	56.83 2.86 0.00	64.85 2.90 -7.13	71.25 3.03 -13.12	70.84 3.15 -12.37	69.07 3.16 -10.53	68.23 3.15 -9.82	69.85 3.15 -11.50	74.70 3.09 -16.34	108.20 3.15 -49.67	141.13 3.31 -79.80	181.28 3.84 -110.09	171.47 3.77 -101.50	160.37 3.27 -99.68	158.11 3.10 -99.68	122.22 3.09 -63.92	107.43 3.03 -49.30	90.63 2.97 -32.69
COOPERNY_115KV_TB1 80082	53.73 1.77 0.00	51.21 1.64 0.00	49.23 1.62 0.00	50.21 1.70 0.00	50.46 1.71 0.00	51.69 1.75 -0.02	51.59 1.84 -0.14	55.97 2.00 0.00	58.27 1.97 -1.48	60.08 2.26 -2.72	63.79 2.43 -6.03	63.87 2.44 -6.05	63.27 2.38 -5.64	62.70 2.32 -5.18	65.98 2.38 -8.34	68.67 2.49 -10.80	77.32 2.73 -16.56	97.25 3.23 -26.67	90.17 3.11 -20.86	80.75 2.64 -20.69	78.40 2.38 -20.69	70.85 2.37 -13.27	67.65 2.31 -10.23	63.97 2.20 -6.79
COPENHAGEN_WT_PWR 323753	51.24 -0.73 0.00	49.08 -0.50 0.00	46.90 -0.71 0.00	47.74 -0.78 0.00	47.88 -0.88 0.00	49.03 -0.90 0.00	49.12 -0.50 0.00	53.59 -0.38 0.00	54.38 -0.44 0.00	54.82 -0.27 0.00	55.34 -0.38 -0.40	55.50 -0.33 -0.44	55.01 -0.66 -0.41	54.87 -0.66 -0.32	55.39 -0.44 -0.57	55.49 0.06 -0.06	58.43 0.41 0.00	68.46 0.67 -0.44	66.73 0.53 0.00	57.70 0.29 0.00	55.55 0.22 0.00	55.32 0.11 0.00	55.04 -0.06 0.00	54.65 -0.33 0.00
CORNELL_____ 23752	52.02 0.05 0.00	49.67 0.10 0.00	47.56 -0.05 0.00	48.47 -0.05 0.00	48.71 -0.05 0.00	49.88 -0.05 -0.01	49.81 0.15 -0.05	54.29 0.32 0.00	55.65 0.33 -0.50	56.51 0.50 -0.92	57.69 0.55 -1.81	57.84 0.66 -1.79	57.43 0.50 -1.67	57.16 0.39 -1.57	58.26 0.50 -2.50	59.76 0.78 -3.61	64.66 1.04 -5.59	77.39 1.28 -8.76	74.50 1.26 -7.05	65.37 0.98 -6.98	63.20 0.89 -6.98	60.29 0.61 -4.47	59.05 0.50 -3.45	57.71 0.44 -2.29



CORONA__69_KV_TB1 355595	73.48 4.57 -16.94	67.31 4.26 -13.48	51.77 4.14 -0.02	53.00 4.46 -0.02	54.17 4.39 -1.02	57.66 4.49 -3.25	65.30 4.61 -11.07	71.86 5.13 -12.76	74.72 5.21 -14.69	77.66 5.40 -17.16	93.47 5.75 -32.40	82.37 5.70 -21.28	81.66 5.75 -20.65	82.65 5.58 -21.86	90.01 5.91 -28.84	104.86 5.98 -43.50	149.88 6.32 -85.53	153.01 7.27 -78.39	151.06 7.08 -77.78	140.83 6.14 -77.27	126.67 5.75 -65.59	129.88 5.80 -68.87	98.15 5.73 -37.32	87.36 5.61 -26.77
CORTLAND__115KV_TB3 80093	51.71 -0.26 0.00	49.37 -0.20 0.00	47.33 -0.29 0.00	48.22 -0.29 0.00	48.47 -0.29 0.00	49.63 -0.30 0.00	49.46 -0.20 -0.04	53.91 -0.05 0.00	55.09 -0.11 -0.38	55.85 0.06 -0.70	56.96 0.17 -1.47	57.13 0.28 -1.47	56.74 0.11 -1.37	56.53 0.06 -1.27	57.41 0.11 -2.04	58.47 0.33 -2.77	62.81 0.52 -4.26	74.74 0.61 -6.78	72.12 0.60 -5.32	63.20 0.46 -5.33	60.99 0.33 -5.33	58.79 0.17 -3.41	57.79 0.06 -2.63	56.78 0.05 -1.75
COXSACKIE__GT 23611	56.65 4.68 0.00	53.98 4.41 0.00	51.80 4.19 0.00	52.69 4.17 0.00	53.05 4.29 0.00	53.97 4.00 -0.05	53.87 3.87 -0.38	58.55 4.58 0.00	63.18 4.28 -4.08	67.02 4.41 -7.52	69.92 4.15 -10.44	69.21 4.04 -9.78	68.24 3.87 -9.12	68.37 3.86 -9.30	73.29 3.87 -14.17	88.40 4.10 -28.93	108.50 4.76 -45.71	140.05 5.93 -66.77	129.90 5.76 -57.95	119.57 5.05 -57.10	116.92 4.48 -57.11	96.18 4.36 -36.62	87.58 4.24 -28.24	78.27 4.56 -18.73
CPV_VALLEY__CC1 323721	54.05 2.08 0.00	51.46 1.88 0.00	49.47 1.85 0.00	50.50 1.99 0.00	50.76 2.00 0.00	51.99 2.05 -0.02	51.91 2.13 -0.16	56.29 2.32 0.00	58.79 2.30 -1.67	60.81 2.64 -3.07	65.06 2.87 -6.86	65.15 2.88 -6.89	64.50 2.82 -6.42	63.86 2.76 -5.89	67.57 2.82 -9.50	70.50 2.93 -12.20	79.85 3.13 -18.69	101.28 3.77 -30.16	93.31 3.57 -23.54	83.87 3.10 -23.35	81.45 2.77 -23.35	72.94 2.76 -14.97	69.35 2.70 -11.55	65.17 2.53 -7.66
CPV_VALLEY__CC2 323722	54.05 2.08 0.00	51.46 1.88 0.00	49.47 1.85 0.00	50.50 1.99 0.00	50.76 2.00 0.00	51.99 2.05 -0.02	51.91 2.13 -0.16	56.29 2.32 0.00	58.79 2.30 -1.67	60.81 2.64 -3.07	65.06 2.87 -6.86	65.15 2.88 -6.89	64.50 2.82 -6.42	63.86 2.76 -5.89	67.57 2.82 -9.50	70.50 2.93 -12.20	79.85 3.13 -18.69	101.28 3.77 -30.16	93.31 3.57 -23.54	83.87 3.10 -23.35	81.45 2.77 -23.35	72.94 2.76 -14.97	69.35 2.70 -11.55	65.17 2.53 -7.66
CRESCENT__HYD 24018	54.67 2.70 0.00	52.10 2.53 0.00	50.09 2.47 0.00	51.04 2.52 0.00	51.34 2.58 0.00	52.70 2.69 -0.09	52.92 2.63 -0.67	56.83 2.86 0.00	64.85 2.90 -7.13	71.25 3.03 -13.12	70.84 3.15 -12.37	69.07 3.16 -10.53	68.23 3.15 -9.82	69.85 3.15 -11.50	74.70 3.09 -16.34	108.20 3.15 -49.67	141.13 3.31 -79.80	181.28 3.84 -110.09	171.47 3.77 -101.50	160.37 3.27 -99.68	158.11 3.10 -99.68	122.22 3.09 -63.92	107.43 3.03 -49.30	90.63 2.97 -32.69
CRICKET__VALLEY_CC1 323756	55.08 3.12 0.00	52.45 2.87 0.00	50.42 2.81 0.00	51.47 2.96 0.00	51.73 2.97 0.00	52.99 3.05 -0.03	52.95 3.13 -0.20	57.37 3.40 0.00	60.40 3.46 -2.13	62.76 3.75 -3.92	67.74 3.99 -8.43	67.86 4.04 -8.43	67.10 3.98 -7.86	66.38 3.92 -7.26	70.90 3.98 -11.66	74.91 4.04 -15.50	86.14 4.29 -23.82	110.49 5.05 -38.09	101.04 4.83 -30.01	91.31 4.14 -29.76	88.96 3.87 -29.76	78.15 3.86 -19.08	73.61 3.80 -14.72	68.42 3.68 -9.76
CRICKET__VALLEY_CC2 323757	55.08 3.12 0.00	52.45 2.87 0.00	50.42 2.81 0.00	51.47 2.96 0.00	51.73 2.97 0.00	52.99 3.05 -0.03	52.95 3.13 -0.20	57.37 3.40 0.00	60.40 3.46 -2.13	62.76 3.75 -3.92	67.74 3.99 -8.43	67.86 4.04 -8.43	67.10 3.98 -7.86	66.38 3.92 -7.26	70.90 3.98 -11.66	74.91 4.04 -15.50	86.14 4.29 -23.82	110.49 5.05 -38.09	101.04 4.83 -30.01	91.31 4.14 -29.76	88.96 3.87 -29.76	78.15 3.86 -19.08	73.61 3.80 -14.72	68.42 3.68 -9.76
CRICKET__VALLEY_CC3 323758	55.08 3.12 0.00	52.45 2.87 0.00	50.42 2.81 0.00	51.47 2.96 0.00	51.73 2.97 0.00	52.99 3.05 -0.03	52.95 3.13 -0.20	57.37 3.40 0.00	60.40 3.46 -2.13	62.76 3.75 -3.92	67.74 3.99 -8.43	67.86 4.04 -8.43	67.10 3.98 -7.86	66.38 3.92 -7.26	70.90 3.98 -11.66	74.91 4.04 -15.50	86.14 4.29 -23.82	110.49 5.05 -38.09	101.04 4.83 -30.01	91.31 4.14 -29.76	88.96 3.87 -29.76	78.15 3.86 -19.08	73.61 3.80 -14.72	68.42 3.68 -9.76
CRUCIBLE__METL_DRP 24180	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.50 -1.02 0.00	47.73 -1.02 0.00	48.87 -1.05 0.00	48.68 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.44 -0.66 0.00	55.52 -0.55 -0.76	55.79 -0.44 -0.84	55.49 -0.55 -0.79	55.21 -0.61 -0.61	55.73 -0.61 -1.08	54.98 -0.50 -0.11	57.68 -0.35 0.00	67.71 -0.47 -0.83	65.74 -0.46 0.00	56.96 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.44 -0.66 0.00	54.21 -0.77 0.00
DAHOWA__HYDRO 323763	55.45 3.48 0.00	52.79 3.22 0.00	50.70 3.09 0.00	51.62 3.11 0.00	52.03 3.27 0.00	53.52 3.49 -0.10	53.80 3.42 -0.76	57.64 3.67 0.00	66.76 3.89 -8.05	73.89 3.97 -14.82	72.13 3.93 -12.88	70.00 3.93 -10.68	69.14 3.92 -9.96	71.24 3.92 -12.11	76.09 3.92 -16.90	115.37 4.04 -55.95	152.45 4.29 -90.13	195.48 4.98 -123.15	185.81 4.90 -114.72	174.25 4.25 -112.59	172.02 4.09 -112.59	131.38 3.98 -72.20	114.69 3.91 -55.68	95.69 3.79 -36.92
DANC__LFGE 323619	50.87 -1.09 0.00	48.68 -0.89 0.00	46.56 -1.05 0.00	47.45 -1.07 0.00	47.64 -1.12 0.00	48.68 -1.25 0.00	48.67 -0.94 0.00	53.05 -0.92 0.00	53.89 -0.93 0.00	54.38 -0.72 0.00	55.07 -0.72 -0.47	55.30 -0.61 -0.52	54.86 -0.89 -0.49	54.70 -0.89 -0.38	55.16 -0.77 -0.67	55.06 -0.38 -0.07	57.85 -0.17 0.00	67.73 -0.13 -0.52	65.94 -0.26 0.00	57.07 -0.34 0.00	55.00 -0.33 0.00	54.82 -0.38 0.00	54.55 -0.55 0.00	54.21 -0.77 0.00
DANSKAMMER__1 23586	55.66 3.69 0.00	52.94 3.37 0.00	50.85 3.24 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	57.96 3.99 0.00	60.90 4.11 -1.97	63.23 4.52 -3.62	67.88 4.65 -7.91	67.96 4.65 -7.92	67.23 4.58 -7.38	66.53 4.53 -6.80	70.73 4.53 -10.94	74.42 4.70 -14.34	85.15 5.11 -22.01	108.87 6.19 -35.33	99.89 5.96 -27.73	90.03 5.11 -27.50	87.48 4.65 -27.50	77.42 4.58 -17.63	73.16 4.46 -13.60	68.34 4.34 -9.02
DANSKAMMER__2 23589	55.66 3.69 0.00	52.94 3.37 0.00	50.85 3.24 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	57.96 3.99 0.00	60.90 4.11 -1.97	63.23 4.52 -3.62	67.88 4.65 -7.91	67.96 4.65 -7.92	67.23 4.58 -7.38	66.53 4.53 -6.80	70.73 4.53 -10.94	74.42 4.70 -14.34	85.15 5.11 -22.01	108.87 6.19 -35.33	99.89 5.96 -27.73	90.03 5.11 -27.50	87.48 4.65 -27.50	77.42 4.58 -17.63	73.16 4.46 -13.60	68.34 4.34 -9.02
DANSKAMMER__3 23590	55.66 3.69 0.00	52.94 3.37 0.00	50.85 3.24 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	57.96 3.99 0.00	60.90 4.11 -1.97	63.23 4.52 -3.62	67.88 4.65 -7.91	67.96 4.65 -7.92	67.23 4.58 -7.38	66.53 4.53 -6.80	70.73 4.53 -10.94	74.42 4.70 -14.34	85.15 5.11 -22.01	108.87 6.19 -35.33	99.89 5.96 -27.73	90.03 5.11 -27.50	87.48 4.65 -27.50	77.42 4.58 -17.63	73.16 4.46 -13.60	68.34 4.34 -9.02



DANSKAMMER___4 23591	55.66 3.69 0.00	52.94 3.37 0.00	50.85 3.24 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	57.96 3.99 0.00	60.90 4.11 -1.97	63.23 4.52 -3.62	67.88 4.65 -7.91	67.96 4.65 -7.92	67.23 4.58 -7.38	66.53 4.53 -6.80	70.73 4.53 -10.94	74.42 4.70 -14.34	85.15 5.11 -22.01	108.87 6.19 -35.33	99.89 5.96 -27.73	90.03 5.11 -27.50	87.48 4.65 -27.50	77.42 4.58 -17.63	73.16 4.46 -13.60	68.34 4.34 -9.02
DANSKAMMER___DIESEL 23592	55.66 3.69 0.00	52.99 3.42 0.00	50.85 3.24 0.00	51.96 3.44 0.00	52.22 3.46 0.00	53.49 3.54 -0.02	53.43 3.62 -0.18	57.96 3.99 0.00	60.90 4.11 -1.97	63.23 4.52 -3.62	67.88 4.65 -7.91	67.96 4.65 -7.92	67.23 4.59 -7.38	66.53 4.53 -6.80	70.73 4.53 -10.94	74.42 4.71 -14.34	85.14 5.11 -22.01	108.88 6.20 -35.33	99.89 5.96 -27.73	90.03 5.11 -27.50	87.48 4.65 -27.50	77.42 4.58 -17.63	73.16 4.46 -13.60	68.34 4.34 -9.02
DARBY___SOLAR 323810	55.30 3.33 0.00	52.65 3.07 0.00	50.56 2.95 0.00	51.47 2.96 0.00	51.88 3.12 0.00	53.31 3.29 -0.10	53.59 3.22 -0.75	57.43 3.46 0.00	66.43 3.67 -7.94	73.46 3.75 -14.61	71.84 3.71 -12.81	69.76 3.71 -10.66	68.90 3.70 -9.94	70.94 3.70 -12.04	75.79 3.70 -16.83	114.39 3.82 -55.19	150.96 4.06 -88.88	193.63 4.71 -121.57	183.95 4.63 -113.12	172.46 4.02 -111.03	170.23 3.87 -111.03	130.21 3.81 -71.20	113.70 3.69 -54.91	95.02 3.63 -36.41
DASHVILLE___HYD 23610	56.54 4.57 0.00	53.84 4.26 0.00	51.61 4.00 0.00	52.69 4.17 0.00	52.95 4.19 0.00	54.10 4.14 -0.03	54.12 4.27 -0.23	58.93 4.97 0.00	62.21 4.93 -2.46	65.02 5.40 -4.53	69.04 5.37 -8.36	68.95 5.37 -8.19	68.09 5.19 -7.64	67.55 5.08 -7.26	71.88 5.14 -11.48	78.52 5.43 -17.72	91.66 6.09 -27.54	117.39 7.54 -42.50	108.27 7.28 -34.79	98.14 6.32 -34.40	95.32 5.59 -34.40	82.73 5.47 -22.06	77.40 5.29 -17.02	71.43 5.17 -11.28
DEERFIELD_69_KV_DEERFIELD LD 355887	68.27 6.13 -10.17	63.41 5.75 -8.09	53.10 5.48 -0.01	54.25 5.72 -0.01	55.22 5.85 -0.61	57.92 6.04 -1.95	62.54 6.20 -6.72	68.65 7.02 -7.66	71.42 7.02 -9.59	73.93 7.11 -11.73	86.47 7.14 -24.01	83.48 6.81 -21.28	79.46 6.96 -17.24	81.38 6.90 -19.27	84.44 7.46 -21.72	95.78 7.81 -32.60	126.44 8.41 -60.00	138.39 9.47 -61.00	133.24 9.47 -57.58	122.58 7.98 -57.18	113.13 7.64 -50.17	113.16 7.67 -50.28	90.34 7.49 -27.75	82.23 7.64 -19.61
DELAWARE___LFGE 323621	53.47 1.51 0.00	51.06 1.49 0.00	49.04 1.43 0.00	49.97 1.46 0.00	50.22 1.46 0.00	51.44 1.50 -0.02	51.36 1.59 -0.16	55.75 1.78 0.00	58.26 1.75 -1.68	60.17 1.98 -3.09	61.30 2.10 -3.88	61.10 2.16 -3.56	60.57 1.99 -3.32	60.63 1.93 -3.49	62.54 2.04 -5.23	69.50 2.27 -11.86	79.30 2.44 -18.83	97.30 2.90 -27.05	92.75 2.71 -23.83	83.30 2.35 -23.53	81.02 2.16 -23.53	72.33 2.04 -15.09	68.72 1.98 -11.64	64.57 1.87 -7.72
DERFIELD_115KV_TB7 355931	52.23 0.26 0.00	49.82 0.25 0.00	47.85 0.24 0.00	48.76 0.24 0.00	49.00 0.24 0.00	50.17 0.25 0.00	49.87 0.25 0.00	54.24 0.27 0.00	55.09 0.27 0.00	55.43 0.33 0.00	55.76 0.44 0.00	55.83 0.44 0.00	55.65 0.39 0.00	55.59 0.39 0.00	55.65 0.39 0.00	55.76 0.39 0.00	58.49 0.46 0.00	67.89 0.54 0.00	66.66 0.46 0.00	57.82 0.40 0.00	55.72 0.39 0.00	55.59 0.39 0.00	55.48 0.39 0.00	55.31 0.33 0.00
DOGLEVILLE___HYD 23807	52.54 0.57 0.00	50.12 0.55 0.00	48.14 0.52 0.00	49.05 0.53 0.00	49.25 0.49 0.00	50.42 0.50 0.00	50.16 0.55 0.00	54.56 0.59 0.00	55.48 0.66 0.00	55.81 0.71 0.00	56.04 0.72 0.00	56.16 0.78 0.00	55.98 0.72 0.00	55.87 0.66 0.00	55.98 0.72 0.00	56.26 0.88 0.00	58.95 0.93 0.00	68.42 1.07 0.00	67.19 0.99 0.00	58.22 0.80 0.00	56.11 0.77 0.00	55.98 0.77 0.00	55.87 0.77 0.00	55.81 0.83 0.00
DUNKIRK___115KV_TB_200 55889	46.04 -5.92 0.00	44.22 -5.35 0.00	42.04 -5.57 0.00	42.60 -5.92 0.00	42.96 -5.80 0.00	43.79 -6.14 0.00	43.20 -6.45 -0.03	46.38 -6.64 0.95	46.37 -6.80 1.66	39.34 -6.94 8.81	39.12 -6.64 9.56	38.97 -6.65 9.77	38.75 -6.74 9.77	38.31 -7.12 9.77	38.86 -7.07 9.32	39.94 -6.81 8.63	43.93 -6.09 8.00	51.99 -7.48 7.89	50.42 -7.22 8.56	44.04 -6.20 7.17	43.84 -5.92 5.57	40.90 -6.18 8.12	47.22 -6.39 1.49	50.27 -6.32 -1.61
DUNKIRK___1 23563	46.04 -5.92 0.00	44.22 -5.35 0.00	42.04 -5.57 0.00	42.60 -5.92 0.00	42.96 -5.80 0.00	43.79 -6.14 0.00	43.20 -6.45 -0.03	46.38 -6.64 0.95	46.37 -6.80 1.66	39.34 -6.94 8.81	39.12 -6.64 9.56	38.97 -6.65 9.77	38.75 -6.74 9.77	38.31 -7.12 9.77	38.86 -7.07 9.32	39.94 -6.81 8.63	43.93 -6.09 8.00	51.99 -7.48 7.89	50.42 -7.22 8.56	44.04 -6.20 7.17	43.84 -5.92 5.57	40.90 -6.18 8.12	47.22 -6.39 1.49	50.27 -6.32 -1.61
DUNKIRK___2 23564	46.04 -5.92 0.00	44.22 -5.35 0.00	42.04 -5.57 0.00	42.60 -5.92 0.00	42.96 -5.80 0.00	43.79 -6.14 0.00	43.20 -6.45 -0.03	46.38 -6.64 0.95	46.37 -6.80 1.66	39.34 -6.94 8.81	39.12 -6.64 9.56	38.97 -6.65 9.77	38.75 -6.74 9.77	38.31 -7.12 9.77	38.86 -7.07 9.32	39.94 -6.81 8.63	43.93 -6.09 8.00	51.99 -7.48 7.89	50.42 -7.22 8.56	44.04 -6.20 7.17	43.84 -5.92 5.57	40.90 -6.18 8.12	47.22 -6.39 1.49	50.27 -6.32 -1.61
DUNKIRK___3 23565	46.15 -5.82 0.00	44.32 -5.25 0.00	42.14 -5.48 0.00	42.69 -5.82 0.00	43.05 -5.70 0.00	43.94 -5.99 0.00	43.35 -6.30 -0.03	46.28 -6.64 1.05	46.10 -6.85 1.87	38.46 -6.83 9.80	38.15 -6.47 10.69	37.99 -6.48 10.92	37.77 -6.58 10.91	37.34 -6.96 10.91	37.87 -6.91 10.49	38.91 -6.65 9.82	42.58 -6.15 9.30	50.39 -7.54 9.42	48.89 -7.28 10.03	42.61 -6.32 8.49	42.63 -5.98 6.72	39.63 -6.24 9.34	46.78 -6.39 1.93	50.30 -6.27 -1.59
DUNKIRK___4 23566	46.15 -5.82 0.00	44.32 -5.25 0.00	42.14 -5.48 0.00	42.69 -5.82 0.00	43.05 -5.70 0.00	43.94 -5.99 0.00	43.35 -6.30 -0.03	46.28 -6.64 1.05	46.10 -6.85 1.87	38.46 -6.83 9.80	38.15 -6.47 10.69	37.99 -6.48 10.92	37.77 -6.58 10.91	37.34 -6.96 10.91	37.87 -6.91 10.49	38.91 -6.65 9.82	42.58 -6.15 9.30	50.39 -7.54 9.42	48.89 -7.28 10.03	42.61 -6.32 8.49	42.63 -5.98 6.72	39.63 -6.24 9.34	46.78 -6.39 1.93	50.30 -6.27 -1.59
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	55.45 3.48 0.00	52.75 3.17 0.00	50.66 3.05 0.00	51.81 3.30 0.00	52.07 3.32 0.00	53.34 3.39 -0.02	53.32 3.52 -0.18	57.85 3.89 0.00	60.69 3.95 -1.92	62.99 4.35 -3.54	69.74 4.65 -9.77	75.10 4.65 -15.06	69.76 4.59 -9.91	71.11 4.53 -11.38	70.83 4.59 -10.98	75.26 4.71 -15.18	84.54 4.99 -21.52	108.03 5.93 -34.75	98.99 5.69 -27.10	89.18 4.88 -26.89	86.70 4.48 -26.89	79.59 4.47 -19.91	72.80 4.41 -13.30	67.98 4.18 -8.82
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	55.14 3.17 0.00	52.50 2.92 0.00	50.42 2.81 0.00	51.47 2.96 0.00	51.73 2.97 0.00	53.04 3.10 -0.02	52.97 3.18 -0.18	57.42 3.45 0.00	60.29 3.56 -1.91	62.52 3.91 -3.51	67.08 4.09 -7.66	67.15 4.10 -7.67	66.44 4.03 -7.15	65.71 3.92 -6.59	69.83 3.98 -10.60	73.45 4.15 -13.92	83.93 4.53 -21.38	107.10 5.46 -34.29	98.36 5.23 -26.93	88.66 4.54 -26.71	86.08 4.04 -26.71	76.36 4.03 -17.13	72.22 3.91 -13.21	67.53 3.79 -8.76



E179THST_138_KV_TB4_REV_LBMP_J 345001	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.07 4.10 0.00	60.74 4.00 -1.92	63.11 4.46 -3.55	69.85 4.76 -9.77	75.26 4.82 -15.06	69.93 4.75 -9.91	71.27 4.69 -11.37	70.94 4.70 -10.98	75.37 4.82 -15.18	84.84 5.28 -21.54	108.33 6.20 -34.79	99.29 5.96 -27.13	89.50 5.17 -26.92	87.01 4.76 -26.92	79.71 4.58 -19.92	73.09 4.68 -13.31	68.31 4.51 -8.82
E179THST_13_KV_LOAD 356214	56.03 4.05 -0.01	53.35 3.77 -0.01	51.24 3.62 -0.01	52.31 3.78 -0.01	52.57 3.80 -0.01	53.84 3.89 -0.02	53.77 3.97 -0.18	58.29 4.32 0.00	61.02 4.28 -1.92	63.39 4.74 -3.55	70.12 5.03 -9.77	75.54 5.10 -15.06	70.20 5.03 -9.91	71.55 4.97 -11.37	71.22 4.97 -10.98	75.65 5.09 -15.18	85.13 5.57 -21.54	108.74 6.60 -34.79	99.62 6.29 -27.13	89.79 5.45 -26.92	87.28 5.04 -26.92	79.98 4.86 -19.92	73.36 4.96 -13.31	68.53 4.73 -8.82
EAST HAMPTON___GT 23717	67.96 5.82 -10.17	63.07 5.40 -8.09	52.76 5.14 -0.01	53.86 5.34 -0.01	54.83 5.46 -0.61	57.57 5.69 -1.95	62.24 5.90 -6.72	68.32 6.69 -7.66	71.09 6.69 -9.59	73.77 6.94 -11.73	86.02 6.69 -24.01	83.03 6.37 -21.28	78.74 6.24 -17.24	80.77 6.29 -19.27	83.89 6.91 -21.72	95.29 7.31 -32.60	125.98 7.95 -60.01	137.85 9.50 -61.00	132.65 8.87 -57.58	122.01 7.41 -57.18	112.58 7.08 -50.17	112.49 7.01 -50.28	89.74 6.89 -27.76	81.91 7.31 -19.62
EAST RIVER___6 23660	55.40 3.43 0.00	52.70 3.12 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.34 3.40 -0.02	53.32 3.52 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.16 4.52 -3.54	70.10 4.81 -9.97	76.05 4.82 -15.85	70.20 4.75 -10.19	71.78 4.69 -11.88	71.04 4.81 -10.98	75.60 4.93 -15.30	84.70 5.16 -21.52	108.08 5.99 -34.74	99.04 5.76 -27.09	89.23 4.94 -26.88	86.86 4.65 -26.88	79.99 4.58 -20.20	72.91 4.52 -13.30	68.09 4.29 -8.82
EAST RIVER___7 23524	55.40 3.43 0.00	52.70 3.12 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.34 3.40 -0.02	53.32 3.52 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.16 4.52 -3.54	70.10 4.81 -9.97	76.05 4.82 -15.85	70.20 4.75 -10.19	71.78 4.69 -11.88	71.04 4.81 -10.98	75.60 4.93 -15.30	84.70 5.16 -21.52	108.08 5.99 -34.74	99.04 5.76 -27.09	89.23 4.94 -26.88	86.86 4.65 -26.88	79.99 4.58 -20.20	72.91 4.52 -13.30	68.09 4.29 -8.82
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	55.14 3.17 0.00	52.50 2.92 0.00	50.42 2.81 0.00	51.52 3.01 0.00	51.83 3.07 0.00	53.04 3.10 -0.02	53.02 3.23 -0.18	57.53 3.56 0.00	60.29 3.56 -1.91	62.58 3.97 -3.52	67.21 4.26 -7.63	66.59 4.26 -6.94	66.55 4.26 -7.04	65.54 4.20 -6.14	70.42 4.26 -10.91	73.51 4.32 -13.82	84.02 4.58 -21.41	107.44 5.52 -34.57	98.39 5.23 -26.96	88.64 4.48 -26.75	86.17 4.09 -26.75	76.08 4.09 -16.79	72.35 4.02 -13.23	67.60 3.85 -8.77
EAST_HAMPTON___DIESEL 23722	67.85 5.72 -10.17	62.97 5.31 -8.09	52.66 5.04 -0.01	53.77 5.24 -0.01	54.73 5.36 -0.61	57.42 5.54 -1.95	62.09 5.75 -6.72	68.21 6.58 -7.66	70.98 6.58 -9.59	73.65 6.83 -11.73	85.86 6.52 -24.01	82.92 6.26 -21.28	78.58 6.08 -17.24	80.66 6.18 -19.27	83.72 6.74 -21.72	95.12 7.15 -32.60	125.81 7.78 -60.01	137.71 9.36 -61.00	132.45 8.67 -57.58	121.83 7.23 -57.18	112.41 6.92 -50.17	112.33 6.84 -50.28	89.58 6.72 -27.76	81.80 7.20 -19.62
EAST_POINT___SOLAR 323840	56.02 4.06 0.00	53.29 3.72 0.00	51.18 3.57 0.00	52.05 3.54 0.00	52.46 3.70 0.00	54.06 4.04 -0.10	54.43 4.07 -0.75	58.34 4.37 0.00	67.25 4.50 -7.93	73.61 3.91 -14.60	72.68 3.65 -13.70	69.98 2.93 -11.66	68.73 2.60 -10.87	70.99 3.03 -12.75	76.52 3.15 -18.11	114.90 4.26 -55.26	151.85 5.05 -88.78	195.85 6.06 -122.44	185.19 5.96 -113.03	173.55 5.22 -110.91	171.39 5.15 -110.91	131.30 4.97 -71.12	114.74 4.79 -54.85	95.91 4.56 -36.37
EAST_PULASKI___ESR 323781	50.57 -1.40 0.00	48.34 -1.24 0.00	46.33 -1.28 0.00	47.21 -1.31 0.00	47.39 -1.36 0.00	48.47 -1.45 0.00	48.33 -1.29 0.00	52.67 -1.30 0.00	53.50 -1.32 0.00	54.05 -1.05 0.00	54.92 -0.94 -0.54	55.10 -0.89 -0.60	54.77 -1.05 -0.56	54.54 -1.10 -0.43	55.04 -0.99 -0.77	54.68 -0.78 -0.08	57.39 -0.64 0.00	67.14 -0.81 -0.59	65.34 -0.86 0.00	56.61 -0.80 0.00	54.56 -0.77 0.00	54.32 -0.89 0.00	54.11 -0.99 0.00	53.82 -1.16 0.00
EAST_RIVER___1 323558	55.45 3.48 0.00	52.70 3.12 0.00	50.66 3.05 0.00	51.82 3.30 0.00	52.03 3.27 0.00	53.34 3.40 -0.02	53.32 3.52 -0.18	57.91 3.94 0.00	60.74 4.00 -1.92	63.10 4.46 -3.54	70.05 4.76 -9.97	76.00 4.76 -15.85	70.14 4.69 -10.19	71.73 4.64 -11.88	70.99 4.75 -10.98	75.49 4.82 -15.30	84.65 5.11 -21.52	108.15 6.06 -34.74	99.11 5.83 -27.09	89.28 4.99 -26.88	86.80 4.59 -26.88	79.99 4.58 -20.20	72.91 4.52 -13.30	68.09 4.29 -8.82
EAST_RIVER___2 323559	55.40 3.43 0.00	52.70 3.12 0.00	50.61 3.00 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.34 3.40 -0.02	53.32 3.52 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.16 4.52 -3.54	70.10 4.81 -9.97	76.05 4.82 -15.85	70.20 4.75 -10.19	71.78 4.69 -11.88	71.04 4.81 -10.98	75.60 4.93 -15.30	84.70 5.16 -21.52	108.08 5.99 -34.74	99.04 5.76 -27.09	89.23 4.94 -26.88	86.86 4.65 -26.88	79.99 4.58 -20.20	72.91 4.52 -13.30	68.09 4.29 -8.82
EAST___DELAWARE_HYD 23607	55.50 3.54 0.00	52.84 3.27 0.00	50.70 3.09 0.00	51.72 3.20 0.00	51.98 3.22 0.00	53.29 3.35 -0.02	53.32 3.52 -0.18	57.86 3.89 0.00	60.73 4.00 -1.91	62.96 4.35 -3.51	66.98 4.37 -7.29	67.01 4.37 -7.25	66.17 4.15 -6.76	65.58 4.09 -6.28	69.47 4.15 -10.06	73.73 4.48 -13.87	84.39 4.99 -21.38	107.42 6.19 -33.87	99.11 5.96 -26.95	89.29 5.17 -26.71	86.63 4.59 -26.71	76.80 4.47 -17.12	72.66 4.35 -13.21	67.97 4.23 -8.76
EIGHT_POINT___WT_PWR 323820	47.29 -4.68 0.00	45.11 -4.46 0.00	43.04 -4.57 0.00	43.71 -4.80 0.00	43.98 -4.78 0.00	44.99 -4.94 -0.01	44.94 -4.71 -0.04	52.39 -5.08 -3.49	56.96 -5.65 -7.79	85.36 -5.07 -35.33	91.19 -4.87 -40.74	92.11 -4.65 -41.38	91.34 -4.92 -41.00	90.88 -5.08 -40.75	91.86 -5.47 -42.07	93.96 -5.32 -43.90	101.35 -5.16 -48.49	120.16 -5.72 -58.53	116.02 -5.56 -55.38	102.79 -4.88 -50.25	94.81 -4.92 -44.41	95.33 -4.97 -45.10	67.65 -4.79 -17.35	52.76 -4.23 -2.01
ELBRIDGE_115KV_TB2 80188	50.62 -1.35 0.00	48.28 -1.29 0.00	46.33 -1.29 0.00	47.20 -1.31 0.00	47.44 -1.32 0.00	48.58 -1.35 0.00	48.33 -1.29 0.00	52.67 -1.30 0.00	53.56 -1.26 0.00	53.99 -1.10 0.00	55.18 -0.94 -0.80	55.39 -0.89 -0.89	55.15 -0.94 -0.83	54.80 -1.05 -0.65	55.36 -1.05 -1.15	54.60 -0.89 -0.11	57.27 -0.75 0.00	67.29 -0.94 -0.88	65.27 -0.93 0.00	56.55 -0.86 0.00	54.50 -0.83 0.00	54.21 -0.99 0.00	53.99 -1.10 0.00	53.83 -1.15 0.00
ELEC_TRO_TEK 24086	73.10 4.31 -16.82	66.97 4.02 -13.38	51.53 3.90 -0.02	52.75 4.22 -0.02	53.92 4.14 -1.02	57.39 4.24 -3.22	64.98 4.37 -10.99	71.50 4.86 -12.67	74.30 4.88 -14.60	77.34 5.18 -17.07	92.99 5.42 -32.25	81.99 5.32 -21.28	81.27 5.42 -20.59	82.32 5.30 -21.82	89.56 5.58 -28.72	104.34 5.65 -43.32	149.09 5.98 -85.09	152.31 6.87 -78.09	150.25 6.62 -77.43	140.08 5.74 -76.92	126.02 5.37 -65.32	129.17 5.41 -68.55	97.60 5.34 -37.16	86.85 5.22 -26.65



ELLENBURG_WT_PWR 323604	51.45 -0.52 0.00	49.08 -0.50 0.00	47.09 -0.52 0.00	47.88 -0.63 0.00	48.08 -0.68 0.00	49.22 -0.70 0.00	48.57 -1.04 0.00	53.05 -0.92 0.00	53.89 -0.93 0.00	53.72 -1.38 0.00	53.77 -1.55 0.00	53.78 -1.61 0.00	53.66 -1.60 0.00	53.60 -1.60 0.00	53.60 -1.66 0.00	53.60 -1.77 0.00	56.17 -1.86 0.00	65.60 -1.75 0.00	64.81 -1.39 0.00	56.27 -1.15 0.00	54.28 -1.05 0.00	54.38 -0.83 0.00	54.44 -0.66 0.00	54.65 -0.33 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	46.09 -5.87 0.00	44.27 -5.30 0.00	42.14 -5.48 0.00	42.69 -5.82 0.00	43.05 -5.70 0.00	43.94 -5.99 0.00	43.30 -6.35 -0.03	45.95 -6.96 1.06	45.85 -7.07 1.90	38.42 -6.78 9.90	38.07 -6.42 10.84	37.90 -6.42 11.06	37.69 -6.52 11.05	37.32 -6.85 11.04	37.81 -6.80 10.65	38.79 -6.59 10.00	42.12 -6.38 9.52	49.66 -7.95 9.74	48.16 -7.75 10.29	42.01 -6.66 8.75	42.17 -6.20 6.96	39.16 -6.51 9.53	46.45 -6.61 2.03	50.14 -6.38 -1.54
EMPIRE_CC_1 323656	54.15 2.18 0.00	51.61 2.03 0.00	49.66 2.05 0.00	50.60 2.08 0.00	50.90 2.14 0.00	52.16 2.19 -0.04	52.12 2.18 -0.32	56.23 2.27 0.00	60.47 2.25 -3.41	63.79 2.42 -6.27	68.30 2.49 -10.49	68.07 2.55 -10.14	67.25 2.54 -9.45	66.93 2.54 -9.19	72.04 2.43 -14.35	82.19 2.43 -24.38	98.59 2.44 -38.13	127.82 2.83 -57.64	117.14 2.72 -48.22	107.40 2.35 -47.63	105.17 2.22 -47.63	88.01 2.26 -30.54	80.97 2.31 -23.55	72.91 2.31 -15.62
EMPIRE_CC_2 323658	54.15 2.18 0.00	51.61 2.03 0.00	49.66 2.05 0.00	50.60 2.08 0.00	50.90 2.14 0.00	52.16 2.19 -0.04	52.12 2.18 -0.32	56.23 2.27 0.00	60.47 2.25 -3.41	63.79 2.42 -6.27	68.30 2.49 -10.49	68.07 2.55 -10.14	67.25 2.54 -9.45	66.93 2.54 -9.19	72.04 2.43 -14.35	82.19 2.43 -24.38	98.59 2.44 -38.13	127.82 2.83 -57.64	117.14 2.72 -48.22	107.40 2.35 -47.63	105.17 2.22 -47.63	88.01 2.26 -30.54	80.97 2.31 -23.55	72.91 2.31 -15.62
ENORWICH_115KV_TB1 80156	54.82 2.86 0.00	52.60 3.02 0.00	50.13 2.52 0.00	51.04 2.52 0.00	51.10 2.34 0.00	52.38 2.45 -0.01	52.78 3.08 -0.08	57.58 3.62 0.00	59.28 3.56 -0.89	60.59 3.86 -1.64	61.76 3.82 -2.62	61.83 3.93 -2.51	60.97 3.37 -2.34	60.71 3.20 -2.30	62.38 3.54 -3.58	66.01 4.26 -6.37	72.90 4.87 -10.00	88.26 5.93 -14.98	84.39 5.56 -12.63	74.50 4.59 -12.49	72.03 4.21 -12.49	66.97 3.75 -8.01	64.86 3.58 -6.18	62.38 3.30 -4.10
ERIE_ST_34_KV_TB1-2 80199	47.03 -4.94 0.00	45.16 -4.41 0.00	42.95 -4.67 0.00	43.57 -4.95 0.00	43.93 -4.83 0.00	44.79 -5.14 0.00	44.24 -5.41 -0.03	47.21 -5.88 0.87	46.64 -6.69 1.49	40.59 -6.50 8.00	40.47 -6.20 8.65	40.34 -6.20 8.84	40.17 -6.24 8.85	39.84 -6.51 8.85	40.40 -6.47 8.40	41.44 -6.26 7.68	44.82 -6.21 7.00	53.29 -7.34 6.72	51.69 -7.08 7.42	45.06 -6.20 6.15	44.56 -6.09 4.69	41.74 -6.29 7.17	47.44 -6.50 1.16	51.26 -5.33 -1.61
ERIE_WT_PWR 323693	46.35 -5.61 0.00	44.57 -5.00 0.00	42.37 -5.24 0.00	42.98 -5.53 0.00	43.30 -5.46 0.00	44.19 -5.74 0.00	43.74 -5.91 -0.03	46.27 -6.69 1.00	46.04 -7.02 1.76	39.07 -6.72 9.30	38.72 -6.47 10.13	38.61 -6.42 10.35	38.45 -6.47 10.34	38.07 -6.79 10.34	38.60 -6.74 9.92	39.60 -6.53 9.24	42.96 -6.38 8.68	50.82 -7.81 8.72	49.25 -7.61 9.34	42.94 -6.60 7.88	42.94 -6.20 6.19	40.05 -6.40 8.75	46.81 -6.56 1.73	50.51 -6.05 -1.58
ESPRGFLD_115KV_TB1 80157	54.10 2.13 0.00	51.60 2.03 0.00	49.52 1.90 0.00	50.41 1.89 0.00	50.66 1.90 0.00	52.09 2.10 -0.07	52.45 2.28 -0.55	56.50 2.54 0.00	63.32 2.63 -5.87	68.54 2.64 -10.80	60.25 2.54 -2.38	57.81 2.44 0.02	57.40 2.16 0.02	60.60 2.21 -3.18	59.95 2.38 -2.31	98.11 2.93 -39.80	127.04 3.31 -65.71	153.40 3.97 -82.07	153.65 3.84 -83.61	142.78 3.27 -82.09	140.57 3.15 -82.09	110.77 2.93 -52.64	98.45 2.75 -40.60	84.48 2.58 -26.92
ETNA_115_KV_TB1_REV_LBMP_C 345029	51.91 -0.05 0.00	49.57 0.00 0.00	47.52 -0.10 0.00	48.42 -0.10 0.00	48.61 -0.15 0.00	49.83 -0.10 -0.01	49.71 0.05 -0.05	54.24 0.27 0.00	55.54 0.22 -0.50	56.40 0.39 -0.92	57.57 0.44 -1.81	57.73 0.55 -1.79	57.32 0.39 -1.67	57.05 0.28 -1.57	58.15 0.39 -2.50	59.65 0.66 -3.61	64.54 0.93 -5.59	77.25 1.14 -8.76	74.37 1.13 -7.05	65.26 0.86 -6.98	63.09 0.77 -6.98	60.18 0.50 -4.47	58.94 0.39 -3.45	57.60 0.33 -2.29
ETNA____115KV_TB2 80207	51.91 -0.05 0.00	49.57 0.00 0.00	47.52 -0.10 0.00	48.42 -0.10 0.00	48.61 -0.15 0.00	49.83 -0.10 -0.01	49.71 0.05 -0.05	54.24 0.27 0.00	55.54 0.22 -0.50	56.40 0.39 -0.92	57.57 0.44 -1.81	57.73 0.55 -1.79	57.32 0.39 -1.67	57.05 0.28 -1.57	58.15 0.39 -2.50	59.65 0.66 -3.61	64.54 0.93 -5.59	77.25 1.14 -8.76	74.37 1.13 -7.05	65.26 0.86 -6.98	63.09 0.77 -6.98	60.18 0.50 -4.47	58.94 0.39 -3.45	57.60 0.33 -2.29
EUCLID____115KV_TB2 356179	50.36 -1.61 0.00	48.04 -1.54 0.00	46.09 -1.52 0.00	46.96 -1.55 0.00	47.25 -1.51 0.00	48.33 -1.60 0.00	48.08 -1.54 0.00	52.40 -1.57 0.00	53.28 -1.53 0.00	53.72 -1.38 0.00	54.73 -1.22 -0.63	54.93 -1.16 -0.70	54.65 -1.27 -0.66	54.39 -1.32 -0.51	54.89 -1.27 -0.90	54.30 -1.16 -0.09	56.92 -1.10 0.00	66.70 -1.35 -0.69	64.81 -1.39 0.00	56.21 -1.21 0.00	54.17 -1.16 0.00	53.88 -1.32 0.00	53.72 -1.38 0.00	53.50 -1.48 0.00
E_CANADA_CAP_HY 24051	54.93 2.96 0.00	52.30 2.72 0.00	50.23 2.62 0.00	51.08 2.57 0.00	51.49 2.73 0.00	53.01 3.00 -0.09	53.34 3.03 -0.70	57.26 3.29 0.00	65.69 3.46 -7.42	71.94 3.19 -13.65	72.20 2.99 -13.89	70.20 2.71 -12.10	69.03 2.49 -11.28	70.65 2.65 -12.79	76.49 2.76 -18.47	110.65 3.43 -51.84	144.89 3.83 -83.04	187.63 4.58 -115.70	176.41 4.50 -105.71	165.06 3.91 -103.73	163.05 3.99 -103.74	125.48 3.76 -66.52	109.98 3.58 -51.31	92.41 3.41 -34.02
E_CANADA_MHWK_HY 24050	52.54 0.57 0.00	50.12 0.55 0.00	48.14 0.52 0.00	49.05 0.53 0.00	49.25 0.49 0.00	50.42 0.50 0.00	50.16 0.55 0.00	54.56 0.59 0.00	55.48 0.66 0.00	55.81 0.71 0.00	56.04 0.72 0.00	56.16 0.78 0.00	55.98 0.72 0.00	55.87 0.66 0.00	55.98 0.72 0.00	56.26 0.88 0.00	58.95 0.93 0.00	68.42 1.07 0.00	67.19 0.99 0.00	58.22 0.80 0.00	56.11 0.77 0.00	55.98 0.77 0.00	55.87 0.77 0.00	55.81 0.83 0.00
E_FISHKILL____LBMP 23776	55.03 3.07 0.00	52.40 2.83 0.00	50.37 2.76 0.00	51.47 2.96 0.00	51.73 2.97 0.00	52.99 3.05 -0.02	52.93 3.13 -0.18	57.37 3.40 0.00	60.23 3.45 -1.96	62.50 3.80 -3.60	67.58 4.09 -8.17	67.97 4.10 -8.48	66.98 4.03 -7.69	66.35 3.97 -7.17	70.46 4.03 -11.17	73.88 4.15 -14.36	84.34 4.41 -21.90	107.91 5.19 -35.37	98.74 4.96 -27.58	89.09 4.31 -27.36	86.62 3.93 -27.36	76.82 3.92 -17.69	72.49 3.86 -13.53	67.64 3.68 -8.97
FALCON____SEABRD_CC1 323796	52.12 0.16 0.00	49.72 0.15 0.00	47.71 0.10 0.00	48.47 -0.05 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	48.88 -0.74 0.00	53.38 -0.59 0.00	54.22 -0.60 0.00	54.11 -0.99 0.00	54.16 -1.16 0.00	54.22 -1.17 0.00	54.04 -1.22 0.00	54.04 -1.16 0.00	53.99 -1.27 0.00	53.99 -1.38 0.00	56.58 -1.45 0.00	66.07 -1.28 0.00	65.34 -0.86 0.00	56.67 -0.75 0.00	54.67 -0.66 0.00	54.82 -0.38 0.00	54.82 -0.27 0.00	55.37 0.39 0.00



FALCON___SEABRD_CC2 323797	52.12 0.16 0.00	49.72 0.15 0.00	47.71 0.10 0.00	48.47 -0.05 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	48.88 -0.74 0.00	53.38 -0.59 0.00	54.22 -0.60 0.00	54.11 -0.99 0.00	54.16 -1.16 0.00	54.22 -1.17 0.00	54.04 -1.22 0.00	54.04 -1.16 0.00	53.99 -1.27 0.00	53.99 -1.38 0.00	56.58 -1.45 0.00	66.07 -1.28 0.00	65.34 -0.86 0.00	56.67 -0.75 0.00	54.67 -0.66 0.00	54.82 -0.38 0.00	54.82 -0.27 0.00	55.37 0.39 0.00
FAR ROCKAWAY___4 23548	72.26 4.99 -15.30	66.46 4.71 -12.17	52.20 4.57 -0.02	53.43 4.90 -0.02	54.51 4.83 -0.93	57.80 4.94 -2.94	64.70 5.06 -10.02	71.11 5.61 -11.53	73.98 5.70 -13.46	76.84 5.90 -15.85	91.94 6.25 -30.37	82.82 6.15 -21.28	81.33 6.24 -19.83	82.52 6.07 -21.24	88.85 6.47 -27.12	102.78 6.53 -40.87	144.34 6.96 -79.35	149.55 8.01 -74.18	146.84 7.75 -72.89	136.54 6.72 -72.41	123.55 6.36 -61.86	125.93 6.35 -64.37	96.38 6.28 -35.00	86.18 6.16 -25.04
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	55.45 3.48 0.00	52.75 3.17 0.00	50.71 3.09 0.00	51.86 3.35 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.17 4.52 -3.55	71.90 4.81 -11.77	82.96 4.82 -22.75	72.63 4.75 -12.62	76.23 4.69 -16.33	71.06 4.81 -10.99	76.65 4.87 -16.40	84.71 5.16 -21.52	108.22 6.13 -34.74	99.18 5.89 -27.09	89.35 5.05 -26.88	86.86 4.65 -26.88	82.65 4.64 -22.80	72.97 4.57 -13.30	68.14 4.34 -8.82
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	55.50 3.53 0.00	52.79 3.22 0.00	50.71 3.09 0.00	51.86 3.35 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.17 4.52 -3.55	71.90 4.81 -11.77	82.96 4.82 -22.75	72.63 4.75 -12.62	76.23 4.69 -16.33	71.06 4.81 -10.99	76.65 4.87 -16.40	84.71 5.16 -21.52	108.22 6.13 -34.74	99.18 5.89 -27.09	89.35 5.05 -26.88	86.86 4.65 -26.88	82.65 4.64 -22.80	72.97 4.57 -13.30	68.14 4.34 -8.82
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	55.45 3.48 0.00	52.75 3.17 0.00	50.66 3.05 0.00	51.86 3.35 0.00	52.07 3.32 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.91 3.94 0.00	60.74 4.00 -1.92	63.11 4.46 -3.55	71.85 4.76 -11.77	82.90 4.76 -22.75	72.63 4.75 -12.62	76.18 4.64 -16.33	71.01 4.75 -10.99	76.59 4.82 -16.40	84.65 5.11 -21.52	108.16 6.06 -34.74	99.12 5.83 -27.09	89.29 5.00 -26.88	86.80 4.59 -26.88	82.59 4.58 -22.80	72.97 4.57 -13.30	68.09 4.29 -8.82
FARRAGUT___LBMP 323566	55.40 3.43 0.00	52.70 3.12 0.00	50.66 3.05 0.00	51.81 3.30 0.00	52.07 3.32 0.00	53.34 3.39 -0.02	53.32 3.52 -0.18	57.91 3.94 0.00	60.74 4.00 -1.92	63.06 4.41 -3.55	71.79 4.70 -11.77	82.90 4.76 -22.75	72.58 4.70 -12.62	76.18 4.64 -16.33	71.01 4.75 -10.99	76.59 4.82 -16.40	84.59 5.05 -21.52	108.09 5.99 -34.74	99.05 5.76 -27.09	89.23 4.94 -26.88	86.75 4.54 -26.88	82.54 4.53 -22.80	72.91 4.52 -13.30	68.09 4.29 -8.82
FENNER___WINDPWR 24204	52.38 0.41 0.00	50.07 0.50 0.00	47.99 0.38 0.00	48.90 0.39 0.00	49.15 0.39 0.00	50.32 0.40 0.00	50.26 0.64 0.00	54.72 0.76 0.00	55.59 0.77 0.00	55.97 0.88 0.00	57.14 0.94 -0.88	57.36 1.00 -0.98	57.00 0.83 -0.91	56.69 0.77 -0.71	57.45 0.94 -1.25	56.66 1.16 -0.12	59.30 1.27 0.00	69.87 1.55 -0.97	67.59 1.39 0.00	58.56 1.15 0.00	56.38 1.05 0.00	56.08 0.88 0.00	55.87 0.77 0.00	55.70 0.71 0.00
FIBERTEK___ENERGY 23856	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.50 -1.02 0.00	47.73 -1.02 0.00	48.87 -1.05 0.00	48.68 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.44 -0.66 0.00	55.52 -0.55 -0.76	55.79 -0.44 -0.84	55.49 -0.55 -0.79	55.21 -0.61 -0.61	55.73 -0.61 -1.08	54.98 -0.50 -0.11	57.68 -0.35 0.00	67.71 -0.47 -0.83	65.74 -0.46 0.00	56.96 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.44 -0.66 0.00	54.21 -0.77 0.00
FITZPATRICK___ 23598	49.68 -2.29 0.00	47.44 -2.13 0.00	45.52 -2.09 0.00	46.38 -2.13 0.00	46.61 -2.14 0.00	47.73 -2.20 0.00	47.49 -2.13 0.00	51.65 -2.32 0.00	52.52 -2.30 0.00	52.89 -2.21 0.00	53.67 -2.10 -0.45	53.84 -2.05 -0.50	53.63 -2.10 -0.47	53.42 -2.15 -0.37	53.75 -2.16 -0.65	53.39 -2.05 -0.07	55.99 -2.03 0.00	65.43 -2.42 -0.50	63.75 -2.45 0.00	55.29 -2.12 0.00	53.29 -2.05 0.00	53.11 -2.10 0.00	52.89 -2.21 0.00	52.73 -2.26 0.00
FLOWRFLD_69_KV_BK1 356044	67.90 5.72 -10.21	63.10 5.40 -8.12	52.76 5.14 -0.01	53.96 5.43 -0.01	54.88 5.51 -0.61	57.53 5.64 -1.96	62.12 5.76 -6.74	68.19 6.53 -7.69	71.02 6.58 -9.62	73.58 6.72 -11.76	86.36 6.97 -24.06	83.37 6.70 -21.28	79.43 6.91 -17.26	81.29 6.79 -19.29	84.32 7.29 -21.77	95.52 7.48 -32.67	126.13 7.95 -60.16	137.69 9.23 -61.11	132.84 8.94 -57.70	122.31 7.58 -57.31	112.84 7.25 -50.26	112.89 7.29 -50.39	90.07 7.16 -27.81	81.67 7.04 -19.65
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	55.71 3.74 0.00	53.04 3.47 0.00	50.94 3.33 0.00	52.01 3.49 0.00	52.27 3.51 0.00	53.54 3.59 -0.02	53.52 3.72 -0.18	58.07 4.10 0.00	61.01 4.22 -1.97	63.29 4.57 -3.62	68.02 4.76 -7.94	68.11 4.76 -7.96	67.38 4.70 -7.42	66.62 4.58 -6.83	70.89 4.64 -10.99	74.55 4.82 -14.36	85.28 5.22 -22.04	109.08 6.33 -35.40	99.98 6.02 -27.76	90.17 5.22 -27.53	87.56 4.70 -27.53	77.50 4.64 -17.65	73.29 4.57 -13.62	68.41 4.40 -9.03
FORT ORANGE___ 23900	54.46 2.49 0.00	51.95 2.38 0.00	49.94 2.33 0.00	50.89 2.38 0.00	51.20 2.44 0.00	52.38 2.40 -0.06	52.48 2.38 -0.48	56.13 2.16 0.00	61.98 2.08 -5.08	66.64 2.21 -9.34	69.06 2.38 -11.36	68.11 2.38 -10.35	67.28 2.37 -9.65	67.83 2.37 -10.25	72.87 2.32 -15.29	93.31 2.22 -35.72	117.15 2.32 -56.80	151.30 2.76 -81.19	140.95 2.65 -72.10	130.73 2.35 -70.96	128.45 2.16 -70.96	102.92 2.21 -45.50	92.40 2.21 -35.09	80.94 2.69 -23.27
FORT_DRUM_COGEN 23780	51.24 -0.73 0.00	49.08 -0.50 0.00	46.90 -0.71 0.00	47.74 -0.78 0.00	47.88 -0.88 0.00	49.02 -0.90 0.00	49.17 -0.45 0.00	53.64 -0.32 0.00	54.43 -0.38 0.00	54.82 -0.28 0.00	55.30 -0.39 -0.37	55.47 -0.33 -0.41	54.93 -0.72 -0.39	54.79 -0.72 -0.30	55.29 -0.50 -0.53	55.48 0.06 -0.05	58.43 0.41 0.00	68.50 0.74 -0.41	66.79 0.60 0.00	57.70 0.29 0.00	55.55 0.22 0.00	55.32 0.11 0.00	55.10 0.00 0.00	54.60 -0.38 0.00
FOX_HILLS___ESR 323835	69.88 4.00 -13.91	67.64 3.72 -14.35	67.54 3.57 -16.36	66.52 3.98 -14.03	66.57 4.00 -13.81	67.54 4.09 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.21 4.55 -12.84	72.21 4.96 -12.15	102.27 5.26 -41.69	214.29 5.37 -153.53	113.62 5.25 -53.11	150.83 5.19 -90.43	71.68 5.14 -11.28	95.48 5.32 -34.79	185.42 5.74 -121.65	284.13 6.80 -209.98	275.14 6.62 -202.32	211.94 5.68 -148.84	253.93 5.26 -193.34	183.09 5.13 -122.74	73.20 4.79 -13.31	70.87 4.95 -10.94
FPL FAR_ROCK_GT1 24212	72.26 4.99 -15.30	66.41 4.66 -12.17	52.20 4.57 -0.02	53.39 4.85 -0.02	54.46 4.78 -0.93	57.80 4.94 -2.94	64.70 5.06 -10.02	71.11 5.61 -11.53	73.98 5.70 -13.46	77.00 6.06 -15.85	92.05 6.36 -30.37	82.87 6.20 -21.28	81.22 6.13 -19.83	82.52 6.07 -21.24	88.84 6.46 -27.12	102.77 6.53 -40.87	144.28 6.90 -79.36	149.54 8.01 -74.18	146.83 7.74 -72.89	136.54 6.71 -72.41	123.55 6.36 -61.86	125.87 6.29 -64.37	96.33 6.22 -35.01	86.18 6.16 -25.05



FPL FAR_ROCK_GT2 23815	72.26 4.99 -15.30	66.41 4.66 -12.17	52.20 4.57 -0.02	53.39 4.85 -0.02	54.46 4.78 -0.93	57.80 4.94 -2.94	64.70 5.06 -10.02	71.11 5.61 -11.53	73.98 5.70 -13.46	77.00 6.06 -15.85	92.05 6.36 -30.37	82.87 6.20 -21.28	81.22 6.13 -19.83	82.52 6.07 -21.24	88.84 6.46 -27.12	102.77 6.53 -40.87	144.28 6.90 -79.36	149.54 8.01 -74.18	146.83 7.74 -72.89	136.54 6.71 -72.41	123.55 6.36 -61.86	125.87 6.29 -64.37	96.33 6.22 -35.01	86.18 6.16 -25.05
FRANKLIN_FALL_HYD 24054	51.97 0.00 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.37 -0.15 0.00	48.51 -0.24 0.00	49.67 -0.25 0.00	49.17 -0.45 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.61 0.00	54.60 -0.72 0.00	54.67 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.92 -1.10 0.00	66.47 -0.88 0.00	65.87 -0.33 0.00	57.07 -0.34 0.00	55.00 -0.33 0.00	55.15 -0.06 0.00	55.10 0.00 0.00	55.20 0.22 0.00
FREEPORT_EQU_S_GT1 23764	69.77 4.73 -13.07	64.38 4.41 -10.40	51.91 4.29 -0.01	53.09 4.56 -0.01	54.08 4.54 -0.79	57.08 4.64 -2.51	62.97 4.76 -8.58	69.11 5.29 -9.85	71.91 5.32 -11.78	74.88 5.73 -14.06	88.90 5.98 -27.61	82.54 5.87 -21.28	79.76 5.80 -18.70	81.11 5.52 -20.38	85.89 5.85 -24.77	98.58 5.93 -37.27	135.06 6.09 -70.95	142.81 7.00 -68.45	139.25 6.82 -66.24	129.07 5.86 -65.79	117.64 5.53 -56.78	119.14 5.69 -58.25	92.63 5.68 -31.86	83.22 5.55 -22.69
FREEPORT___CT2 23818	69.77 4.73 -13.07	64.38 4.41 -10.40	51.91 4.29 -0.01	53.09 4.56 -0.01	54.08 4.54 -0.79	57.08 4.64 -2.51	62.97 4.76 -8.58	69.11 5.29 -9.85	71.91 5.32 -11.78	74.88 5.73 -14.06	88.90 5.98 -27.61	82.54 5.87 -21.28	79.76 5.80 -18.70	81.11 5.52 -20.38	85.89 5.85 -24.77	98.58 5.93 -37.27	135.06 6.09 -70.95	142.81 7.00 -68.45	139.25 6.82 -66.24	129.07 5.86 -65.79	117.64 5.53 -56.78	119.14 5.69 -58.25	92.63 5.68 -31.86	83.22 5.55 -22.69
FRESHKLS_33_KV_LOAD 356253	69.93 4.05 -13.91	67.69 3.77 -14.35	67.63 3.67 -16.36	66.66 4.12 -14.03	66.72 4.14 -13.81	67.64 4.19 -13.53	67.59 4.27 -13.70	71.27 4.64 -12.66	72.27 4.60 -12.84	72.26 5.01 -12.15	102.27 5.26 -41.69	214.23 5.32 -153.53	113.56 5.19 -53.11	150.83 5.19 -90.43	71.68 5.14 -11.28	95.48 5.32 -34.79	185.42 5.74 -121.65	284.20 6.87 -209.98	275.14 6.62 -202.32	211.94 5.68 -148.84	253.93 5.26 -193.34	183.14 5.19 -122.74	73.14 4.74 -13.31	70.87 4.95 -10.94
FULTON COGEN____ 23766	50.20 -1.77 0.00	47.89 -1.69 0.00	45.94 -1.67 0.00	46.82 -1.70 0.00	47.05 -1.71 0.00	48.18 -1.75 0.00	47.93 -1.69 0.00	52.24 -1.73 0.00	53.17 -1.64 0.00	53.61 -1.49 0.00	54.58 -1.33 -0.59	54.83 -1.22 -0.66	54.55 -1.33 -0.61	54.25 -1.44 -0.48	54.72 -1.38 -0.85	54.19 -1.27 -0.08	56.81 -1.22 0.00	66.52 -1.48 -0.65	64.74 -1.46 0.00	56.10 -1.32 0.00	54.06 -1.27 0.00	53.77 -1.44 0.00	53.61 -1.49 0.00	53.39 -1.59 0.00
FULTON___LFGE 323630	55.60 3.64 0.00	52.94 3.37 0.00	50.85 3.24 0.00	51.72 3.20 0.00	52.12 3.36 0.00	53.66 3.64 -0.10	54.05 3.67 -0.76	57.91 3.94 0.00	66.99 4.11 -8.06	73.84 3.91 -14.84	72.74 3.76 -13.66	70.48 3.55 -11.55	69.40 3.37 -10.77	71.43 3.48 -12.74	76.87 3.59 -18.02	115.59 4.10 -56.12	152.78 4.53 -90.23	196.87 5.39 -124.13	186.37 5.30 -114.87	174.78 4.65 -112.71	172.64 4.59 -112.72	131.90 4.42 -72.28	115.14 4.30 -55.75	96.07 4.13 -36.96
G.F.CEMENT___DRP 24184	55.86 3.90 0.00	53.19 3.62 0.00	51.09 3.48 0.00	51.96 3.44 0.00	52.32 3.56 0.00	53.92 3.89 -0.10	54.21 3.82 -0.77	58.07 4.10 0.00	67.50 4.44 -8.24	74.84 4.57 -15.17	72.79 4.48 -12.99	70.65 4.54 -10.72	69.73 4.48 -9.99	71.92 4.47 -12.24	76.76 4.48 -17.03	117.17 4.54 -57.25	155.10 4.82 -92.26	198.86 5.66 -125.85	189.20 5.56 -117.44	177.49 4.82 -115.26	175.18 4.59 -115.26	133.64 4.53 -73.91	116.51 4.41 -57.00	97.06 4.29 -37.79
GARDENVILLE___LBMP 24039	46.20 -5.77 0.00	44.42 -5.16 0.00	42.23 -5.38 0.00	42.84 -5.68 0.00	43.15 -5.61 0.00	44.04 -5.89 0.00	43.45 -6.20 -0.03	46.05 -6.75 1.17	45.67 -7.02 2.13	37.36 -6.72 11.01	36.88 -6.36 12.08	36.69 -6.37 12.33	36.49 -6.47 12.31	36.12 -6.79 12.30	36.62 -6.74 11.90	37.57 -6.53 11.27	40.84 -6.32 10.86	48.27 -7.81 11.27	46.85 -7.55 11.80	40.78 -6.55 10.09	41.07 -6.14 8.11	37.94 -6.46 10.81	46.09 -6.56 2.45	50.28 -6.27 -1.57
GARDNVLA_35_KV_LD 355827	46.46 -5.51 0.00	44.62 -4.96 0.00	42.42 -5.19 0.00	43.03 -5.48 0.00	43.39 -5.36 0.00	44.24 -5.69 0.00	43.65 -6.00 -0.03	46.39 -6.64 0.94	46.28 -6.91 1.63	39.82 -6.61 8.66	39.61 -6.31 9.40	39.52 -6.26 9.61	39.30 -6.35 9.61	38.92 -6.68 9.61	39.45 -6.63 9.18	40.47 -6.42 8.48	43.89 -6.27 7.87	51.91 -7.68 7.77	50.30 -7.48 8.42	43.88 -6.49 7.05	43.77 -6.09 5.48	40.81 -6.40 7.99	47.13 -6.50 1.46	50.57 -5.99 -1.58
GELCKHM___115KV_LOAD 80723	50.56 -1.40 0.00	48.23 -1.34 0.00	46.28 -1.33 0.00	47.16 -1.36 0.00	47.39 -1.37 0.00	48.53 -1.40 0.00	48.33 -1.29 0.00	52.62 -1.35 0.00	53.50 -1.32 0.00	53.99 -1.10 0.00	55.06 -0.94 -0.68	55.25 -0.89 -0.75	54.97 -0.99 -0.70	54.70 -1.05 -0.55	55.18 -1.05 -0.97	54.53 -0.94 -0.10	57.21 -0.81 0.00	67.09 -1.01 -0.75	65.14 -1.06 0.00	56.50 -0.92 0.00	54.45 -0.89 0.00	54.16 -1.05 0.00	53.99 -1.10 0.00	53.77 -1.21 0.00
GENERAL___MILLS 23808	46.35 -5.61 0.00	44.57 -5.01 0.00	42.37 -5.24 0.00	42.98 -5.53 0.00	43.30 -5.46 0.00	44.19 -5.74 0.00	43.55 -6.10 -0.03	46.27 -6.69 1.00	46.09 -6.96 1.76	39.13 -6.67 9.30	38.83 -6.36 10.13	38.72 -6.31 10.35	38.51 -6.41 10.34	38.13 -6.74 10.34	38.66 -6.69 9.92	39.65 -6.48 9.24	43.02 -6.32 8.68	50.89 -7.75 8.72	49.32 -7.55 9.34	43.05 -6.49 7.88	43.00 -6.14 6.19	40.05 -6.40 8.75	46.81 -6.56 1.73	50.46 -6.10 -1.58
GE_PLASTICS___DRP 24183	53.94 1.97 0.00	51.41 1.83 0.00	49.47 1.86 0.00	50.41 1.89 0.00	50.66 1.90 0.00	51.92 1.95 -0.06	51.92 1.89 -0.42	55.91 1.94 0.00	61.21 1.92 -4.47	65.42 2.09 -8.23	68.71 2.27 -11.12	68.01 2.27 -10.36	67.18 2.27 -9.65	67.34 2.21 -9.93	72.53 2.21 -15.06	89.17 2.16 -31.64	110.41 2.32 -50.06	142.75 2.63 -72.77	132.19 2.52 -63.48	122.19 2.24 -62.54	119.97 2.10 -62.54	97.41 2.10 -40.10	88.12 2.09 -30.93	77.69 2.20 -20.51
GILBOA___1 23756	53.52 1.56 0.00	51.06 1.49 0.00	49.23 1.62 0.00	50.17 1.65 0.00	50.46 1.71 0.00	51.69 1.75 -0.02	51.37 1.59 -0.16	55.69 1.73 0.00	58.24 1.70 -1.72	60.13 1.87 -3.16	65.37 2.05 -8.00	65.57 2.05 -8.13	64.83 1.99 -7.58	64.01 1.98 -6.82	68.36 1.99 -11.12	70.11 2.05 -12.69	79.47 2.20 -19.24	101.85 2.42 -32.08	92.69 2.32 -24.17	83.58 2.13 -24.04	81.36 1.99 -24.04	72.55 1.93 -15.41	68.91 1.93 -11.89	64.74 1.87 -7.88
GILBOA___2 23757	53.52 1.56 0.00	51.06 1.49 0.00	49.23 1.62 0.00	50.17 1.65 0.00	50.46 1.71 0.00	51.69 1.75 -0.02	51.37 1.59 -0.16	55.69 1.73 0.00	58.24 1.70 -1.72	60.13 1.87 -3.16	65.37 2.05 -8.00	65.57 2.05 -8.13	64.83 1.99 -7.58	64.01 1.98 -6.82	68.36 1.99 -11.12	70.11 2.05 -12.69	79.47 2.20 -19.24	101.85 2.42 -32.08	92.69 2.32 -24.17	83.58 2.13 -24.04	81.36 1.99 -24.04	72.55 1.93 -15.41	68.91 1.93 -11.89	64.74 1.87 -7.88



GILBOA___3 23758	53.52 1.56 0.00	51.06 1.49 0.00	49.23 1.62 0.00	50.17 1.65 0.00	50.46 1.71 0.00	51.69 1.75 -0.02	51.37 1.59 -0.16	55.69 1.73 0.00	58.24 1.70 -1.72	60.13 1.87 -3.16	65.37 2.05 -8.00	65.57 2.05 -8.13	64.83 1.99 -7.58	64.01 1.98 -6.82	68.36 1.99 -11.12	70.11 2.05 -12.69	79.47 2.20 -19.24	101.85 2.42 -32.08	92.69 2.32 -24.17	83.58 2.13 -24.04	81.36 1.99 -24.04	72.55 1.93 -15.41	68.91 1.93 -11.89	64.74 1.87 -7.88
GILBOA___4 23759	53.52 1.56 0.00	51.06 1.49 0.00	49.23 1.62 0.00	50.17 1.65 0.00	50.46 1.71 0.00	51.69 1.75 -0.02	51.37 1.59 -0.16	55.69 1.73 0.00	58.24 1.70 -1.72	60.13 1.87 -3.16	65.37 2.05 -8.00	65.57 2.05 -8.13	64.83 1.99 -7.58	64.01 1.98 -6.82	68.36 1.99 -11.12	70.11 2.05 -12.69	79.47 2.20 -19.24	101.85 2.42 -32.08	92.69 2.32 -24.17	83.58 2.13 -24.04	81.36 1.99 -24.04	72.55 1.93 -15.41	68.91 1.93 -11.89	64.74 1.87 -7.88
GILBOA___ 23599	53.53 1.56 0.00	51.06 1.49 0.00	49.23 1.62 0.00	50.16 1.65 0.00	50.46 1.71 0.00	51.69 1.75 -0.02	51.37 1.59 -0.16	55.70 1.73 0.00	58.24 1.70 -1.72	60.13 1.87 -3.16	65.37 2.05 -8.00	65.57 2.05 -8.13	64.89 2.04 -7.58	64.01 1.99 -6.82	68.37 1.99 -11.12	70.11 2.05 -12.69	79.47 2.20 -19.24	101.86 2.42 -32.08	92.69 2.32 -24.17	83.58 2.12 -24.04	81.36 1.99 -24.04	72.55 1.93 -15.41	68.92 1.93 -11.89	64.73 1.87 -7.88
GINNA___ 23603	46.77 -5.20 0.00	44.72 -4.86 0.00	42.71 -4.90 0.00	43.47 -5.05 0.00	43.74 -5.02 0.00	44.73 -5.19 0.00	44.51 -5.11 0.00	48.14 -5.83 0.00	49.45 -5.37 0.00	49.98 -5.12 -0.01	51.48 -4.76 -0.92	51.70 -4.71 -1.02	51.35 -4.86 -0.96	50.87 -5.08 -0.74	51.49 -5.08 -1.31	50.81 -4.71 -0.14	53.45 -4.59 -0.01	62.64 -5.72 -1.01	60.58 -5.63 -0.01	52.43 -5.00 -0.01	50.75 -4.59 -0.01	50.25 -4.97 -0.01	49.86 -5.24 0.00	49.60 -5.39 0.00
GLEN PARK___ 23778	51.50 -0.47 0.00	49.33 -0.25 0.00	47.14 -0.48 0.00	47.98 -0.53 0.00	48.12 -0.64 0.00	49.27 -0.65 0.00	49.42 -0.20 0.00	53.97 0.00 0.00	54.76 -0.05 0.00	55.10 0.00 0.00	55.59 -0.11 -0.38	55.76 -0.06 -0.43	55.22 -0.44 -0.40	55.13 -0.38 -0.31	55.70 -0.11 -0.55	55.87 0.44 -0.05	58.90 0.87 0.00	69.12 1.35 -0.42	67.32 1.12 0.00	58.16 0.74 0.00	56.00 0.67 0.00	55.70 0.50 0.00	55.43 0.33 0.00	54.93 -0.05 0.00
GLENDALE_27_KV_LOAD 356172	55.98 4.00 -0.01	53.25 3.67 -0.01	51.14 3.52 -0.01	52.31 3.78 -0.01	52.57 3.80 -0.01	53.84 3.89 -0.02	53.82 4.02 -0.18	58.45 4.48 0.00	61.24 4.50 -1.92	63.61 4.96 -3.55	72.22 5.26 -11.65	82.97 5.32 -22.26	72.96 5.25 -12.45	76.41 5.19 -16.02	71.46 5.19 -11.00	77.03 5.32 -16.34	85.31 5.74 -21.54	108.94 6.80 -34.79	99.88 6.55 -27.13	89.96 5.63 -26.92	87.45 5.20 -26.92	82.92 5.08 -22.63	73.36 4.96 -13.31	68.64 4.84 -8.82
GLENWOOD_IC_1_G5 23712	72.81 4.26 -16.58	66.73 3.97 -13.20	51.44 3.81 -0.02	52.61 4.08 -0.02	53.85 4.10 -1.00	57.30 4.19 -3.18	64.73 4.27 -10.84	71.05 4.59 -12.50	73.85 4.60 -14.42	77.10 5.12 -16.88	92.76 5.48 -31.96	82.04 5.37 -21.28	81.15 5.42 -20.47	82.23 5.30 -21.73	88.87 5.14 -28.47	103.52 5.21 -42.94	147.80 5.57 -84.21	151.30 6.47 -77.49	149.16 6.22 -76.73	139.04 5.40 -76.23	125.10 4.98 -64.79	128.09 4.97 -67.91	96.83 4.90 -36.83	86.11 4.73 -26.40
GLENWOOD_IC_2_G1 23688	56.57 3.90 -0.70	53.70 3.57 -0.56	51.09 3.47 0.00	52.25 3.74 0.00	52.50 3.70 -0.04	53.92 3.84 -0.16	54.22 3.97 -0.63	58.87 4.37 -0.53	61.66 4.39 -2.46	64.01 4.79 -4.12	72.68 5.09 -12.27	81.76 5.09 -21.28	72.76 5.03 -12.47	75.83 4.97 -15.66	72.10 5.08 -11.76	77.86 5.15 -17.34	87.72 5.45 -24.24	110.41 6.40 -36.66	101.63 6.16 -29.27	91.74 5.28 -29.05	88.82 4.92 -28.56	84.34 4.91 -24.22	74.28 4.85 -14.34	69.24 4.67 -9.59
GLENWOOD_IC_3_G1 23689	56.57 3.90 -0.70	53.70 3.57 -0.56	51.09 3.47 0.00	52.25 3.74 0.00	52.50 3.70 -0.04	53.92 3.84 -0.16	54.22 3.97 -0.63	58.87 4.37 -0.53	61.66 4.39 -2.46	64.01 4.79 -4.12	72.68 5.09 -12.27	81.76 5.09 -21.28	72.76 5.03 -12.47	75.83 4.97 -15.66	72.10 5.08 -11.76	77.86 5.15 -17.34	87.72 5.45 -24.24	110.41 6.40 -36.66	101.63 6.16 -29.27	91.74 5.28 -29.05	88.82 4.92 -28.56	84.34 4.91 -24.22	74.28 4.85 -14.34	69.24 4.67 -9.59
GLENWOOD___4 23550	72.81 4.26 -16.58	66.73 3.97 -13.20	51.44 3.81 -0.02	52.61 4.08 -0.02	53.85 4.10 -1.00	57.30 4.19 -3.18	64.73 4.27 -10.84	71.11 4.64 -12.50	73.96 4.71 -14.42	77.10 5.12 -16.88	92.76 5.48 -31.96	82.04 5.37 -21.28	81.15 5.42 -20.47	82.23 5.30 -21.73	88.98 5.25 -28.47	103.68 5.37 -42.94	147.92 5.69 -84.21	151.44 6.60 -77.49	149.35 6.42 -76.73	139.16 5.51 -76.23	125.27 5.15 -64.79	128.25 5.13 -67.91	96.99 5.07 -36.83	86.27 4.89 -26.40
GLENWOOD___5 23614	72.81 4.26 -16.58	66.73 3.97 -13.20	51.44 3.81 -0.02	52.61 4.08 -0.02	53.85 4.10 -1.00	57.30 4.19 -3.18	64.73 4.27 -10.84	71.11 4.64 -12.50	73.96 4.71 -14.42	77.10 5.12 -16.88	92.76 5.48 -31.96	82.04 5.37 -21.28	81.15 5.42 -20.47	82.23 5.30 -21.73	88.98 5.25 -28.47	103.68 5.37 -42.94	147.92 5.69 -84.21	151.44 6.60 -77.49	149.35 6.42 -76.73	139.16 5.51 -76.23	125.27 5.15 -64.79	128.25 5.13 -67.91	96.99 5.07 -36.83	86.27 4.89 -26.40
GLOBAL GREEN_PORT_GT1 23814	68.37 6.23 -10.17	63.46 5.80 -8.09	53.14 5.52 -0.01	54.25 5.72 -0.01	55.22 5.85 -0.61	57.97 6.09 -1.95	62.64 6.30 -6.72	68.75 7.12 -7.66	71.53 7.12 -9.59	74.21 7.39 -11.73	86.58 7.25 -24.01	83.59 6.92 -21.28	79.29 6.80 -17.24	81.32 6.84 -19.27	84.44 7.46 -21.72	95.79 7.81 -32.60	126.56 8.53 -60.01	138.53 10.17 -61.01	133.37 9.60 -57.58	122.64 8.04 -57.18	113.14 7.64 -50.17	113.10 7.62 -50.28	90.29 7.44 -27.76	82.35 7.75 -19.62
GLOBE___DSASP 323697	44.80 -7.17 0.00	43.08 -6.49 0.00	40.99 -6.62 0.00	41.63 -6.89 0.00	41.93 -6.83 0.00	42.79 -7.14 0.00	42.11 -7.54 -0.03	45.27 -7.93 0.76	45.74 -7.78 1.29	40.71 -7.38 7.00	40.76 -6.97 7.59	40.64 -6.98 7.77	40.42 -7.07 7.77	39.98 -7.45 7.77	40.48 -7.40 7.38	41.50 -7.20 6.68	44.97 -7.02 6.04	52.61 -8.96 5.78	51.07 -8.74 6.39	44.62 -7.52 5.27	44.54 -6.81 3.99	41.76 -7.23 6.21	46.93 -7.22 0.95	48.62 -7.81 -1.44
GOETHSLN___LBMP 323567	54.56 3.12 0.52	51.86 2.83 0.54	49.71 2.71 0.61	51.57 3.06 0.00	51.83 3.07 0.00	53.09 3.15 -0.02	53.07 3.27 -0.18	57.64 3.67 0.00	60.47 3.73 -1.92	62.78 4.13 -3.55	71.51 4.43 -11.77	82.63 4.49 -22.75	72.30 4.42 -12.62	75.90 4.36 -16.33	70.73 4.48 -10.99	76.32 4.54 -16.40	84.30 4.76 -21.52	107.75 5.66 -34.74	98.65 5.36 -27.09	88.89 4.59 -26.88	86.47 4.26 -26.88	82.26 4.25 -22.80	72.63 4.24 -13.30	67.81 4.01 -8.82
GOLAH___69_KV_TB 1_2 80279	48.02 -3.95 0.00	45.95 -3.62 0.00	43.95 -3.67 0.00	44.68 -3.83 0.00	45.00 -3.75 0.00	46.03 -3.89 0.00	45.60 -4.02 0.00	49.44 -4.53 0.00	50.71 -4.11 0.00	51.38 -3.75 -0.03	52.96 -3.32 -0.96	53.13 -3.32 -1.07	52.72 -3.54 -1.00	52.18 -3.81 -0.78	52.81 -3.81 -1.36	52.05 -3.49 -0.16	54.80 -3.25 -0.03	64.17 -4.24 -1.06	62.13 -4.10 -0.03	53.77 -3.67 -0.03	52.09 -3.26 -0.02	51.48 -3.75 -0.03	51.25 -3.86 -0.01	50.86 -4.12 0.00



GOODYEAR_LAKE_HYD 323669	53.79 1.82 0.00	51.36 1.78 0.00	49.28 1.67 0.00	50.21 1.70 0.00	50.46 1.71 0.00	51.76 1.80 -0.04	51.83 1.94 -0.28	56.18 2.21 0.00	60.01 2.25 -2.94	62.93 2.42 -5.40	61.29 2.49 -3.48	60.42 2.49 -2.54	59.89 2.27 -2.37	60.85 2.21 -3.43	62.06 2.38 -4.43	78.33 2.71 -20.25	93.93 3.02 -32.89	114.52 3.57 -43.60	111.33 3.38 -41.76	101.38 2.87 -41.09	99.08 2.66 -41.09	84.04 2.48 -26.35	77.79 2.37 -20.32	70.71 2.25 -13.48
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.89 -0.79 -0.07	53.21 -0.76 0.00	54.61 -0.93 -0.72	55.70 -0.72 -1.32	57.38 -0.55 -2.61	57.46 -0.50 -2.58	57.05 -0.61 -2.40	56.74 -0.72 -2.26	58.20 -0.66 -3.60	60.11 -0.50 -5.23	65.78 -0.35 -8.10	79.63 -0.40 -12.69	76.02 -0.40 -10.22	67.14 -0.40 -10.13	65.02 -0.44 -10.13	61.09 -0.61 -6.49	59.39 -0.72 -5.01	57.76 -0.55 -3.33
GOUDEY___7 23579	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.89 -0.79 -0.07	53.21 -0.76 0.00	54.61 -0.93 -0.72	55.70 -0.72 -1.32	57.38 -0.55 -2.61	57.46 -0.50 -2.58	57.05 -0.61 -2.40	56.74 -0.72 -2.26	58.20 -0.66 -3.60	60.11 -0.50 -5.23	65.78 -0.35 -8.10	79.63 -0.40 -12.69	76.02 -0.40 -10.22	67.14 -0.40 -10.13	65.02 -0.44 -10.13	61.09 -0.61 -6.49	59.39 -0.72 -5.01	57.76 -0.55 -3.33
GOUDEY___8 23580	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.89 -0.79 -0.07	53.21 -0.76 0.00	54.61 -0.93 -0.72	55.70 -0.72 -1.32	57.38 -0.55 -2.61	57.46 -0.50 -2.58	57.05 -0.61 -2.40	56.74 -0.72 -2.26	58.20 -0.66 -3.60	60.11 -0.50 -5.23	65.78 -0.35 -8.10	79.63 -0.40 -12.69	76.02 -0.40 -10.22	67.14 -0.40 -10.13	65.02 -0.44 -10.13	61.09 -0.61 -6.49	59.39 -0.72 -5.01	57.76 -0.55 -3.33
GOWANUS_GT1_1 24077	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT1_2 24078	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT1_3 24079	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT1_4 24080	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT1_5 24084	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT1_6 24111	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT1_7 24112	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT1_8 24113	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT2_1 24114	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT2_2 24115	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT2_3 24116	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95



GOWANUS_GT2_4 24117	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT2_5 24118	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT2_6 24119	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT2_7 24120	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT2_8 24121	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_1 24122	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_2 24123	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_3 24124	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_4 24125	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_5 24126	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_6 24127	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_7 24128	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT3_8 24129	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
GOWANUS_GT4_1 24130	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT4_2 24131	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94



GOWANUS_GT4_3 24132	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT4_4 24133	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT4_5 24134	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT4_6 24135	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT4_7 24136	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GOWANUS_GT4_8 24137	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GREENBSH_115KV_TB3 55895	54.15 2.18 0.00	51.65 2.08 0.00	49.66 2.05 0.00	50.60 2.09 0.00	50.85 2.10 0.00	52.13 2.15 -0.06	52.19 2.08 -0.49	56.07 2.10 0.00	62.11 2.08 -5.21	66.94 2.26 -9.58	69.28 2.49 -11.47	68.28 2.49 -10.41	67.45 2.49 -9.70	68.05 2.48 -10.36	73.11 2.43 -15.41	94.31 2.33 -36.61	118.72 2.44 -58.26	153.18 2.76 -83.07	142.88 2.71 -73.97	132.55 2.35 -72.78	130.33 2.21 -72.78	104.14 2.26 -46.67	93.30 2.20 -36.00	81.27 2.42 -23.87
GREENIDGE_115KV_TB5 80291	49.94 -2.03 0.00	47.69 -1.88 0.00	45.56 -2.05 0.00	46.38 -2.13 0.00	46.66 -2.10 0.00	47.73 -2.20 -0.01	47.62 -2.03 -0.04	53.43 -2.16 -1.62	56.07 -2.58 -3.83	69.58 -2.31 -16.80	72.92 -2.16 -19.75	73.44 -1.99 -20.05	72.86 -2.21 -19.81	72.47 -2.37 -19.64	73.58 -2.38 -20.69	75.21 -2.10 -21.94	81.09 -1.86 -24.92	96.28 -2.09 -31.01	92.96 -1.99 -28.74	81.97 -1.78 -26.34	77.19 -1.77 -23.63	75.97 -2.10 -22.86	62.38 -2.26 -9.54	54.76 -2.14 -1.92
GREENIDGE___3 23582	49.94 -2.03 0.00	47.69 -1.88 0.00	45.56 -2.05 0.00	46.38 -2.13 0.00	46.66 -2.10 0.00	47.73 -2.20 -0.01	47.62 -2.03 -0.04	53.43 -2.16 -1.62	56.07 -2.58 -3.83	69.58 -2.31 -16.80	72.92 -2.16 -19.75	73.44 -1.99 -20.05	72.86 -2.21 -19.81	72.47 -2.37 -19.64	73.58 -2.38 -20.69	75.21 -2.10 -21.94	81.09 -1.86 -24.92	96.28 -2.09 -31.01	92.96 -1.99 -28.74	81.97 -1.78 -26.34	77.19 -1.77 -23.63	75.97 -2.10 -22.86	62.38 -2.26 -9.54	54.76 -2.14 -1.92
GREENIDGE___4 23583	49.94 -2.03 0.00	47.69 -1.88 0.00	45.57 -2.05 0.00	46.38 -2.13 0.00	46.66 -2.10 0.00	47.78 -2.15 -0.01	47.72 -1.94 -0.04	53.54 -2.05 -1.62	56.02 -2.63 -3.83	69.58 -2.31 -16.80	72.86 -2.21 -19.75	73.39 -2.05 -20.05	72.86 -2.21 -19.81	72.47 -2.37 -19.64	73.58 -2.37 -20.69	75.16 -2.16 -21.94	81.08 -1.86 -24.92	96.28 -2.09 -31.01	92.96 -1.98 -28.74	81.97 -1.78 -26.34	77.18 -1.77 -23.63	75.97 -2.10 -22.86	62.38 -2.26 -9.54	55.20 -1.70 -1.92
GREENLWN_69_KV_BK 3 55738	66.86 4.52 -10.37	62.09 4.26 -8.25	51.72 4.09 -0.01	52.89 4.37 -0.01	53.77 4.39 -0.62	56.41 4.49 -1.99	61.08 4.61 -6.85	66.91 5.13 -7.81	69.77 5.21 -9.74	72.44 5.45 -11.89	85.34 5.75 -24.26	82.21 5.54 -21.28	78.29 5.69 -17.34	80.13 5.58 -19.35	83.11 5.91 -21.94	94.34 6.04 -32.93	125.17 6.38 -60.76	135.95 7.07 -61.52	131.40 7.02 -58.18	121.34 6.14 -57.78	111.77 5.81 -50.63	111.83 5.80 -50.83	88.87 5.73 -28.04	80.41 5.61 -19.82
GREENWD_138_KV_38B11_REV_LBMP_J 345004	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94
GRISSOM___SOLAR 323813	55.50 3.54 0.00	52.84 3.27 0.00	50.75 3.14 0.00	51.62 3.11 0.00	52.03 3.27 0.00	53.57 3.54 -0.10	53.91 3.52 -0.77	57.74 3.78 0.00	66.95 3.95 -8.18	73.95 3.80 -15.05	72.59 3.65 -13.61	70.32 3.49 -11.45	69.30 3.37 -10.67	71.42 3.48 -12.73	76.73 3.54 -17.93	116.27 3.99 -56.91	153.98 4.41 -91.55	198.22 5.19 -125.68	187.86 5.10 -116.56	176.26 4.48 -114.37	174.07 4.37 -114.37	132.79 4.25 -73.33	115.79 4.13 -56.56	96.44 3.96 -37.50
GROVEVILLE___HYD 323602	55.71 3.74 0.00	53.04 3.47 0.00	50.94 3.33 0.00	52.01 3.49 0.00	52.27 3.51 0.00	53.54 3.59 -0.02	53.52 3.72 -0.18	58.07 4.10 0.00	61.01 4.22 -1.97	63.29 4.57 -3.62	68.02 4.76 -7.94	68.11 4.76 -7.96	67.38 4.70 -7.42	66.62 4.58 -6.83	70.89 4.64 -10.99	74.55 4.82 -14.36	85.28 5.22 -22.04	109.08 6.33 -35.40	99.98 6.02 -27.76	90.17 5.22 -27.53	87.56 4.70 -27.53	77.50 4.64 -17.65	73.29 4.57 -13.62	68.41 4.40 -9.03
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.50 -1.02 0.00	47.73 -1.02 0.00	48.87 -1.05 0.00	48.68 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.44 -0.66 0.00	55.52 -0.55 -0.76	55.79 -0.44 -0.84	55.49 -0.55 -0.79	55.21 -0.61 -0.61	55.73 -0.61 -1.08	54.98 -0.50 -0.11	57.68 -0.35 0.00	67.71 -0.47 -0.83	65.74 -0.46 0.00	56.96 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.44 -0.66 0.00	54.21 -0.77 0.00



HAMLTNNY_34_KV_TB 80303	50.82 -1.14 0.00	48.53 -1.04 0.00	46.52 -1.10 0.00	47.40 -1.12 0.00	47.64 -1.12 0.00	48.77 -1.15 0.00	48.58 -1.04 0.00	52.94 -1.03 0.00	53.83 -0.99 0.00	54.33 -0.77 0.00	55.52 -0.61 -0.81	55.78 -0.50 -0.90	55.49 -0.61 -0.84	55.14 -0.72 -0.65	55.75 -0.66 -1.15	54.94 -0.55 -0.11	57.62 -0.41 0.00	67.70 -0.54 -0.89	65.67 -0.53 0.00	56.90 -0.52 0.00	54.83 -0.50 0.00	54.54 -0.66 0.00	54.33 -0.77 0.00	54.10 -0.88 0.00
HAMPSHIRE___PAPER_HYD 323593	50.51 -1.45 0.00	48.28 -1.29 0.00	46.23 -1.38 0.00	47.06 -1.45 0.00	47.20 -1.56 0.00	48.32 -1.60 0.00	48.13 -1.49 0.00	52.56 -1.40 0.00	53.34 -1.48 0.00	53.45 -1.65 0.00	53.74 -1.77 -0.19	53.82 -1.77 -0.21	53.47 -1.99 -0.20	53.37 -1.99 -0.15	53.65 -1.88 -0.27	53.69 -1.72 -0.03	56.28 -1.74 0.00	65.81 -1.75 -0.21	64.48 -1.72 0.00	55.81 -1.61 0.00	53.78 -1.55 0.00	53.77 -1.44 0.00	53.66 -1.43 0.00	53.50 -1.48 0.00
HARDSCRABBLE_WT_PWR 323673	52.07 0.10 0.00	49.67 0.10 0.00	47.66 0.05 0.00	48.56 0.05 0.00	48.76 0.00 0.00	49.92 0.00 0.00	49.72 0.10 0.00	54.08 0.11 0.00	54.93 0.11 0.00	55.32 0.22 0.00	55.54 0.22 0.00	55.66 0.28 0.00	55.43 0.17 0.00	55.37 0.17 0.00	55.48 0.22 0.00	55.71 0.33 0.00	58.43 0.41 0.00	67.83 0.47 0.00	66.53 0.33 0.00	57.65 0.23 0.00	55.55 0.22 0.00	55.48 0.28 0.00	55.37 0.28 0.00	55.26 0.28 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	54.93 2.96 0.00	52.30 2.73 0.00	50.23 2.62 0.00	51.28 2.77 0.00	51.59 2.83 0.00	52.79 2.85 -0.02	52.72 2.93 -0.17	57.21 3.24 0.00	59.86 3.23 -1.81	62.00 3.58 -3.32	66.46 3.82 -7.32	66.26 3.82 -7.05	65.82 3.76 -6.81	65.02 3.70 -6.12	69.29 3.76 -10.27	72.38 3.88 -13.13	82.43 4.18 -20.23	105.03 5.05 -32.63	96.50 4.83 -25.47	86.87 4.19 -25.27	84.36 3.76 -25.27	74.96 3.70 -16.05	71.23 3.64 -12.50	66.73 3.46 -8.29
HARSNRAD_115KV_TB1 81005	45.63 -6.34 0.00	43.82 -5.75 0.00	41.71 -5.90 0.00	42.30 -6.21 0.00	42.66 -6.09 0.00	43.49 -6.44 0.00	42.85 -6.80 -0.03	45.88 -7.34 0.75	46.37 -7.18 1.27	41.46 -6.78 6.86	41.56 -6.36 7.40	41.45 -6.37 7.56	41.17 -6.52 7.57	40.78 -6.85 7.58	41.29 -6.80 7.17	42.29 -6.53 6.55	45.77 -6.32 5.93	53.56 -8.15 5.64	51.98 -7.94 6.28	45.40 -6.83 5.19	45.26 -6.14 3.93	42.54 -6.57 6.09	47.54 -6.61 0.95	49.42 -6.98 -1.42
HARZA MOOSE___RIVER 24016	52.12 0.16 0.00	49.82 0.25 0.00	47.75 0.14 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.97 0.35 0.00	54.45 0.49 0.00	55.31 0.49 0.00	55.70 0.61 0.00	56.11 0.55 -0.24	56.21 0.55 -0.27	55.84 0.33 -0.25	55.68 0.28 -0.19	56.05 0.44 -0.34	56.18 0.78 -0.03	58.95 0.93 0.00	68.83 1.21 -0.26	67.26 1.06 0.00	58.22 0.80 0.00	56.05 0.72 0.00	55.87 0.66 0.00	55.65 0.55 0.00	55.37 0.38 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	50.56 -1.40 0.00	48.23 -1.34 0.00	46.28 -1.33 0.00	47.16 -1.36 0.00	47.39 -1.37 0.00	48.53 -1.40 0.00	48.33 -1.29 0.00	52.62 -1.35 0.00	53.50 -1.32 0.00	53.99 -1.10 0.00	55.06 -0.94 -0.68	55.26 -0.89 -0.76	54.98 -0.99 -0.71	54.71 -1.05 -0.55	55.19 -1.05 -0.98	54.59 -0.89 -0.10	57.21 -0.81 0.00	67.09 -1.01 -0.75	65.21 -0.99 0.00	56.50 -0.92 0.00	54.45 -0.89 0.00	54.16 -1.05 0.00	53.99 -1.10 0.00	53.77 -1.21 0.00
HELLGATE_13_KV_LD 55870	55.82 3.85 -0.01	53.10 3.52 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.69 3.74 -0.02	53.67 3.87 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	71.95 4.98 -11.65	82.69 5.04 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.54	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.64 4.80 -22.63	73.14 4.74 -13.31	68.42 4.62 -8.82
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	55.82 3.85 -0.01	53.10 3.52 -0.01	51.00 3.38 -0.01	52.16 3.64 -0.01	52.42 3.66 -0.01	53.69 3.74 -0.02	53.67 3.87 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	71.95 4.98 -11.65	82.69 5.04 -22.26	72.69 4.97 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.54	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.64 4.80 -22.63	73.14 4.74 -13.31	68.42 4.62 -8.82
HEMPSTEAD____ 23647	70.68 4.26 -14.45	65.04 3.97 -11.50	51.48 3.85 -0.01	52.70 4.17 -0.01	53.73 4.10 -0.87	56.94 4.24 -2.77	63.40 4.31 -9.47	69.66 4.80 -10.89	72.46 4.83 -12.81	75.50 5.24 -15.16	90.11 5.48 -29.31	82.10 5.43 -21.28	80.02 5.36 -19.40	81.36 5.25 -20.91	86.96 5.47 -26.22	100.41 5.54 -39.49	139.98 5.80 -76.15	146.08 6.73 -72.00	143.04 6.49 -70.35	132.93 5.63 -69.88	120.51 5.26 -59.92	122.54 5.30 -62.04	94.15 5.24 -33.81	84.24 5.11 -24.14
HEWLETT_69_KV_BK3 55828	72.00 4.73 -15.30	66.21 4.46 -12.17	51.96 4.33 -0.02	53.19 4.66 -0.02	54.27 4.58 -0.93	57.55 4.69 -2.94	64.45 4.81 -10.02	70.84 5.34 -11.53	73.70 5.43 -13.46	76.56 5.62 -15.85	91.66 5.97 -30.37	82.54 5.87 -21.28	81.00 5.91 -19.83	82.24 5.80 -21.24	88.57 6.19 -27.12	102.50 6.26 -40.87	143.99 6.61 -79.35	149.07 7.54 -74.18	146.44 7.35 -72.89	136.20 6.37 -72.41	123.22 6.03 -61.86	125.60 6.02 -64.37	96.05 5.95 -35.00	85.85 5.83 -25.04
HICKLING___1 23621	49.73 -2.23 0.00	47.54 -2.03 0.00	45.42 -2.19 0.00	46.23 -2.28 0.00	46.52 -2.24 0.00	47.58 -2.35 -0.01	47.34 -2.33 -0.05	52.29 -2.37 -0.69	54.02 -2.80 -2.00	60.39 -2.53 -7.82	62.68 -2.38 -9.74	63.02 -2.22 -9.85	62.55 -2.38 -9.67	62.24 -2.48 -9.51	63.36 -2.54 -10.65	65.04 -2.33 -11.99	70.58 -2.15 -14.70	84.61 -2.36 -19.62	81.27 -2.32 -17.39	71.67 -2.07 -16.32	68.34 -2.16 -15.17	65.84 -2.37 -13.01	59.21 -2.48 -6.59	55.33 -2.14 -2.49
HICKLING___2 23622	49.73 -2.23 0.00	47.54 -2.03 0.00	45.42 -2.19 0.00	46.23 -2.28 0.00	46.52 -2.24 0.00	47.58 -2.35 -0.01	47.34 -2.33 -0.05	52.29 -2.37 -0.69	54.02 -2.80 -2.00	60.39 -2.53 -7.82	62.68 -2.38 -9.74	63.02 -2.22 -9.85	62.55 -2.38 -9.67	62.24 -2.48 -9.51	63.36 -2.54 -10.65	65.04 -2.33 -11.99	70.58 -2.15 -14.70	84.61 -2.36 -19.62	81.27 -2.32 -17.39	71.67 -2.07 -16.32	68.34 -2.16 -15.17	65.84 -2.37 -13.01	59.21 -2.48 -6.59	55.33 -2.14 -2.49
HIGH FALLS___HY 23754	56.33 4.37 0.00	53.64 4.06 0.00	51.42 3.81 0.00	52.49 3.98 0.00	52.76 4.00 0.00	54.29 4.34 -0.03	54.35 4.52 -0.21	58.77 4.80 0.00	62.26 5.15 -2.29	64.87 5.56 -4.21	68.92 5.53 -8.06	68.81 5.48 -7.94	67.97 5.31 -7.40	67.44 5.24 -6.99	71.66 5.31 -11.10	77.54 5.65 -16.52	89.96 6.32 -25.61	115.07 7.88 -39.84	106.14 7.61 -32.33	95.95 6.55 -31.99	93.13 5.81 -31.99	81.41 5.69 -20.51	76.48 5.56 -15.82	70.86 5.39 -10.49
HIGH_RIVER___SOLAR 323847	54.41 2.44 0.00	51.85 2.28 0.00	49.80 2.19 0.00	50.75 2.23 0.00	51.05 2.29 0.00	52.47 2.45 -0.11	52.86 2.43 -0.81	56.56 2.59 0.00	66.11 2.69 -8.60	73.41 2.48 -15.83	71.10 2.32 -13.46	68.69 2.22 -11.08	67.69 2.10 -10.33	70.06 2.15 -12.70	75.16 2.27 -17.63	117.88 2.77 -59.74	157.46 3.13 -96.30	202.24 3.63 -131.25	192.39 3.57 -122.62	180.81 3.10 -120.30	178.67 3.04 -120.30	135.27 2.92 -77.14	117.46 2.86 -59.50	97.18 2.75 -39.45



HILLBURN___GT 23639	54.82 2.86 0.00	52.20 2.63 0.00	50.13 2.52 0.00	51.23 2.72 0.00	51.49 2.73 0.00	52.69 2.74 -0.02	52.72 2.93 -0.17	57.10 3.13 0.00	59.77 3.12 -1.83	61.99 3.53 -3.37	66.48 3.76 -7.40	66.23 3.77 -7.07	65.89 3.76 -6.87	65.06 3.70 -6.15	69.37 3.70 -10.41	72.48 3.82 -13.29	82.57 4.06 -20.48	105.32 4.91 -33.05	96.69 4.70 -25.79	87.02 4.02 -25.59	84.57 3.65 -25.59	75.08 3.64 -16.23	71.33 3.58 -12.66	66.73 3.35 -8.39
HILLSIDE_115KV_TB1 80332	49.42 -2.55 0.00	47.29 -2.28 0.00	45.23 -2.38 0.00	45.99 -2.52 0.00	46.27 -2.49 0.00	47.33 -2.60 -0.01	47.09 -2.58 -0.05	51.80 -2.70 -0.53	53.38 -3.12 -1.69	58.48 -2.92 -6.30	60.61 -2.77 -8.05	60.86 -2.66 -8.13	60.39 -2.82 -7.95	60.14 -2.87 -7.80	61.34 -2.87 -8.95	62.96 -2.71 -10.30	68.37 -2.61 -12.96	82.14 -2.90 -17.68	78.81 -2.85 -15.46	69.45 -2.58 -14.62	66.46 -2.60 -13.73	63.78 -2.76 -11.34	58.26 -2.92 -6.09	55.09 -2.47 -2.59
HISHELDN_WT_PWR 323625	46.20 -5.77 0.00	44.37 -5.20 0.00	42.18 -5.43 0.00	42.79 -5.73 0.00	43.10 -5.66 0.00	44.04 -5.89 0.00	43.65 -6.01 -0.04	44.53 -6.75 2.69	42.56 -6.96 5.29	22.46 -6.67 25.97	19.90 -6.47 28.95	19.48 -6.42 29.48	19.33 -6.58 29.35	19.13 -6.79 29.29	19.38 -6.85 29.03	20.04 -6.59 28.74	22.18 -6.38 29.46	26.88 -7.68 32.79	25.90 -7.55 32.75	22.04 -6.55 28.83	24.87 -6.14 24.32	20.38 -6.40 28.42	40.13 -6.50 8.46	50.54 -6.16 -1.71
HOLTSVILLE_IC_1 23690	67.58 5.46 -10.15	62.81 5.16 -8.08	52.57 4.95 -0.01	53.72 5.19 -0.01	54.59 5.22 -0.61	57.27 5.39 -1.95	61.88 5.56 -6.71	67.82 6.20 -7.65	70.64 6.25 -9.58	73.42 6.61 -11.71	86.06 6.75 -23.99	83.20 6.53 -21.28	78.95 6.46 -17.23	80.93 6.46 -19.27	83.87 6.91 -21.71	95.04 7.09 -32.58	125.40 7.43 -59.95	137.01 8.69 -60.97	132.07 8.34 -57.53	121.67 7.12 -57.14	112.27 6.80 -50.13	112.28 6.84 -50.23	89.67 6.83 -27.74	81.29 6.71 -19.60
HOLTSVILLE_IC_10 23699	67.95 5.77 -10.22	63.15 5.45 -8.13	52.81 5.19 -0.01	53.96 5.43 -0.01	54.88 5.51 -0.61	57.58 5.69 -1.96	62.22 5.85 -6.75	68.25 6.58 -7.70	71.02 6.58 -9.63	73.80 6.94 -11.77	86.47 7.08 -24.07	83.53 6.87 -21.28	79.32 6.80 -17.26	81.29 6.79 -19.29	84.33 7.29 -21.77	95.53 7.47 -32.68	126.10 7.89 -60.19	137.78 9.30 -61.13	132.85 8.93 -57.72	122.32 7.58 -57.33	112.91 7.30 -50.28	112.85 7.23 -50.41	90.14 7.22 -27.83	81.74 7.10 -19.67
HOLTSVILLE_IC_2 23691	67.58 5.46 -10.15	62.81 5.16 -8.08	52.57 4.95 -0.01	53.72 5.19 -0.01	54.59 5.22 -0.61	57.27 5.39 -1.95	61.88 5.56 -6.71	67.82 6.20 -7.65	70.64 6.25 -9.58	73.42 6.61 -11.71	86.06 6.75 -23.99	83.20 6.53 -21.28	78.95 6.46 -17.23	80.93 6.46 -19.27	83.87 6.91 -21.71	95.04 7.09 -32.58	125.40 7.43 -59.95	137.01 8.69 -60.97	132.07 8.34 -57.53	121.67 7.12 -57.14	112.27 6.80 -50.13	112.28 6.84 -50.23	89.67 6.83 -27.74	81.29 6.71 -19.60
HOLTSVILLE_IC_3 23692	67.58 5.46 -10.15	62.81 5.16 -8.08	52.57 4.95 -0.01	53.72 5.19 -0.01	54.59 5.22 -0.61	57.27 5.39 -1.95	61.88 5.56 -6.71	67.82 6.20 -7.65	70.64 6.25 -9.58	73.42 6.61 -11.71	86.06 6.75 -23.99	83.20 6.53 -21.28	78.95 6.46 -17.23	80.93 6.46 -19.27	83.87 6.91 -21.71	95.04 7.09 -32.58	125.40 7.43 -59.95	137.01 8.69 -60.97	132.07 8.34 -57.53	121.67 7.12 -57.14	112.27 6.80 -50.13	112.28 6.84 -50.23	89.67 6.83 -27.74	81.29 6.71 -19.60
HOLTSVILLE_IC_4 23693	67.58 5.46 -10.15	62.81 5.16 -8.08	52.57 4.95 -0.01	53.72 5.19 -0.01	54.59 5.22 -0.61	57.27 5.39 -1.95	61.88 5.56 -6.71	67.82 6.20 -7.65	70.64 6.25 -9.58	73.42 6.61 -11.71	86.06 6.75 -23.99	83.20 6.53 -21.28	78.95 6.46 -17.23	80.93 6.46 -19.27	83.87 6.91 -21.71	95.04 7.09 -32.58	125.40 7.43 -59.95	137.01 8.69 -60.97	132.07 8.34 -57.53	121.67 7.12 -57.14	112.27 6.80 -50.13	112.28 6.84 -50.23	89.67 6.83 -27.74	81.29 6.71 -19.60
HOLTSVILLE_IC_5 23694	67.58 5.46 -10.15	62.81 5.16 -8.08	52.57 4.95 -0.01	53.72 5.19 -0.01	54.59 5.22 -0.61	57.27 5.39 -1.95	61.88 5.56 -6.71	67.82 6.20 -7.65	70.64 6.25 -9.58	73.42 6.61 -11.71	86.06 6.75 -23.99	83.20 6.53 -21.28	78.95 6.46 -17.23	80.93 6.46 -19.27	83.87 6.91 -21.71	95.04 7.09 -32.58	125.40 7.43 -59.95	137.01 8.69 -60.97	132.07 8.34 -57.53	121.67 7.12 -57.14	112.27 6.80 -50.13	112.28 6.84 -50.23	89.67 6.83 -27.74	81.29 6.71 -19.60
HOLTSVILLE_IC_6 23695	67.95 5.77 -10.22	63.15 5.45 -8.13	52.81 5.19 -0.01	53.96 5.43 -0.01	54.88 5.51 -0.61	57.58 5.69 -1.96	62.22 5.85 -6.75	68.25 6.58 -7.70	71.02 6.58 -9.63	73.80 6.94 -11.77	86.47 7.08 -24.07	83.53 6.87 -21.28	79.32 6.80 -17.26	81.29 6.79 -19.29	84.33 7.29 -21.77	95.53 7.47 -32.68	126.10 7.89 -60.19	137.78 9.30 -61.13	132.85 8.93 -57.72	122.32 7.58 -57.33	112.91 7.30 -50.28	112.85 7.23 -50.41	90.14 7.22 -27.83	81.74 7.10 -19.67
HOLTSVILLE_IC_7 23696	67.95 5.77 -10.22	63.15 5.45 -8.13	52.81 5.19 -0.01	53.96 5.43 -0.01	54.88 5.51 -0.61	57.58 5.69 -1.96	62.22 5.85 -6.75	68.25 6.58 -7.70	71.02 6.58 -9.63	73.80 6.94 -11.77	86.47 7.08 -24.07	83.53 6.87 -21.28	79.32 6.80 -17.26	81.29 6.79 -19.29	84.33 7.29 -21.77	95.53 7.47 -32.68	126.10 7.89 -60.19	137.78 9.30 -61.13	132.85 8.93 -57.72	122.32 7.58 -57.33	112.91 7.30 -50.28	112.85 7.23 -50.41	90.14 7.22 -27.83	81.74 7.10 -19.67
HOLTSVILLE_IC_8 23697	67.95 5.77 -10.22	63.15 5.45 -8.13	52.81 5.19 -0.01	53.96 5.43 -0.01	54.88 5.51 -0.61	57.58 5.69 -1.96	62.22 5.85 -6.75	68.25 6.58 -7.70	71.02 6.58 -9.63	73.80 6.94 -11.77	86.47 7.08 -24.07	83.53 6.87 -21.28	79.32 6.80 -17.26	81.29 6.79 -19.29	84.33 7.29 -21.77	95.53 7.47 -32.68	126.10 7.89 -60.19	137.78 9.30 -61.13	132.85 8.93 -57.72	122.32 7.58 -57.33	112.91 7.30 -50.28	112.85 7.23 -50.41	90.14 7.22 -27.83	81.74 7.10 -19.67
HOLTSVILLE_IC_9 23698	67.95 5.77 -10.22	63.15 5.45 -8.13	52.81 5.19 -0.01	53.96 5.43 -0.01	54.88 5.51 -0.61	57.58 5.69 -1.96	62.22 5.85 -6.75	68.25 6.58 -7.70	71.02 6.58 -9.63	73.80 6.94 -11.77	86.47 7.08 -24.07	83.53 6.87 -21.28	79.32 6.80 -17.26	81.29 6.79 -19.29	84.33 7.29 -21.77	95.53 7.47 -32.68	126.10 7.89 -60.19	137.78 9.30 -61.13	132.85 8.93 -57.72	122.32 7.58 -57.33	112.91 7.30 -50.28	112.85 7.23 -50.41	90.14 7.22 -27.83	81.74 7.10 -19.67
HOMER_HL_115KV_TB2 355744	47.71 -4.26 0.00	45.80 -3.77 0.00	43.61 -4.00 0.00	44.20 -4.32 0.00	44.57 -4.19 0.00	45.48 -4.44 0.00	45.04 -4.61 -0.04	48.94 -4.86 0.18	48.59 -6.25 -0.02	47.78 -6.28 1.04	48.54 -6.14 0.65	48.59 -6.09 0.70	48.35 -6.13 0.78	48.13 -6.24 0.83	48.84 -6.24 0.17	50.05 -6.09 -0.77	54.19 -6.03 -2.20	64.93 -6.67 -4.25	62.80 -6.42 -3.02	54.95 -5.74 -3.28	52.93 -5.98 -3.58	50.69 -5.96 -1.44	50.82 -6.28 -2.01	52.29 -4.51 -1.81
HOWARD_WT_PWR 323690	47.19 -4.78 0.00	45.06 -4.51 0.00	42.99 -4.62 0.00	43.62 -4.90 0.00	43.93 -4.83 0.00	44.89 -5.04 -0.01	44.90 -4.76 -0.04	52.07 -5.13 -3.23	56.35 -5.70 -7.24	82.66 -5.18 -32.74	88.16 -4.98 -37.82	89.08 -4.71 -38.41	88.33 -4.97 -38.04	87.82 -5.19 -37.80	88.83 -5.53 -39.10	90.88 -5.37 -40.87	98.08 -5.22 -45.28	116.38 -5.79 -54.83	112.34 -5.63 -51.77	99.50 -4.94 -47.02	91.97 -4.98 -41.62	92.23 -5.02 -42.05	66.57 -4.85 -16.32	52.69 -4.34 -2.05



HQ_GEN_CEDARS 23644	51.86 -0.10 0.00	49.52 -0.05 0.00	47.52 -0.10 0.00	48.32 -0.19 0.00	48.51 -0.24 0.00	49.67 -0.25 0.00	49.27 -0.35 0.00	53.64 -0.32 0.00	54.43 -0.38 0.00	54.38 -0.72 0.00	54.38 -0.94 0.00	54.39 -1.00 0.00	54.32 -0.94 0.00	54.38 -0.83 0.00	54.32 -0.94 0.00	54.32 -1.05 0.00	56.75 -1.28 0.00	66.00 -1.35 0.00	65.14 -1.06 0.00	56.50 -0.92 0.00	54.45 -0.89 0.00	54.60 -0.61 0.00	54.60 -0.50 0.00	54.65 -0.33 0.00
HQ_GEN_CEDARS_PROXY 323590	51.86 -0.10 0.00	49.52 -0.05 0.00	47.52 -0.10 0.00	48.32 -0.19 0.00	48.52 -0.24 0.00	49.67 -0.25 0.00	49.22 -0.40 0.00	53.65 -0.32 0.00	54.44 -0.38 0.00	54.38 -0.72 0.00	54.38 -0.94 0.00	54.44 -0.94 0.00	54.32 -0.94 0.00	54.38 -0.83 0.00	54.32 -0.94 0.00	54.32 -1.05 0.00	56.75 -1.28 0.00	66.07 -1.28 0.00	65.14 -1.06 0.00	56.49 -0.92 0.00	54.44 -0.89 0.00	54.55 -0.66 0.00	54.60 -0.50 0.00	54.60 -0.38 0.00
HQ_GEN_IMPORT 323601	51.91 -0.05 0.00	49.52 -0.05 0.00	47.56 -0.05 0.00	48.42 -0.10 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	49.42 -0.20 0.00	53.81 -0.16 0.00	54.60 -0.22 0.00	54.60 -0.50 0.00	54.60 -0.72 0.00	54.61 -0.78 0.00	54.60 -0.66 0.00	54.60 -0.61 0.00	54.60 -0.66 0.00	54.60 -0.78 0.00	57.04 -0.99 0.00	66.27 -1.08 0.00	65.27 -0.93 0.00	56.61 -0.80 0.00	54.61 -0.72 0.00	54.60 -0.61 0.00	54.60 -0.50 0.00	54.60 -0.38 0.00
HQ_GEN_WHEEL 23651	51.91 -0.05 0.00	49.52 -0.05 0.00	47.56 -0.05 0.00	48.42 -0.10 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	49.42 -0.20 0.00	53.81 -0.16 0.00	54.60 -0.22 0.00	54.60 -0.50 0.00	54.60 -0.72 0.00	54.61 -0.78 0.00	54.60 -0.66 0.00	54.60 -0.61 0.00	54.60 -0.66 0.00	54.60 -0.78 0.00	57.04 -0.99 0.00	66.27 -1.08 0.00	65.27 -0.93 0.00	56.61 -0.80 0.00	54.61 -0.72 0.00	54.60 -0.61 0.00	54.60 -0.50 0.00	54.60 -0.38 0.00
HUDSON_AVE_GT_3 23810	55.45 3.48 0.00	52.75 3.17 0.00	50.71 3.09 0.00	51.86 3.35 0.00	52.12 3.36 0.00	53.39 3.44 0.00	53.37 3.57 -0.02	57.96 3.99 0.00	60.80 4.06 -1.92	63.17 4.52 -3.55	71.83 4.76 -11.75	82.90 4.82 -22.70	72.61 4.75 -12.60	76.19 4.69 -16.29	71.06 4.81 -10.99	76.64 4.87 -16.39	84.71 5.16 -21.52	108.22 6.13 -34.74	99.18 5.89 -27.09	89.35 5.05 -26.88	86.86 4.65 -26.88	82.63 4.64 -22.78	72.97 4.57 -13.30	68.14 4.34 -8.82
HUDSON_AVE_GT_4 23540	55.45 3.48 0.00	52.75 3.17 0.00	50.71 3.09 0.00	51.86 3.35 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.17 4.52 -3.55	71.83 4.76 -11.75	82.90 4.82 -22.70	72.61 4.75 -12.60	76.19 4.69 -16.29	71.06 4.81 -10.99	76.64 4.87 -16.39	84.71 5.16 -21.52	108.22 6.13 -34.74	99.18 5.89 -27.09	89.35 5.05 -26.88	86.86 4.65 -26.88	82.63 4.64 -22.78	72.97 4.57 -13.30	68.14 4.34 -8.82
HUDSON_AVE_GT_5 23657	55.45 3.48 0.00	52.75 3.17 0.00	50.71 3.09 0.00	51.86 3.35 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.17 4.52 -3.55	71.83 4.76 -11.75	82.90 4.82 -22.70	72.61 4.75 -12.60	76.19 4.69 -16.29	71.06 4.81 -10.99	76.64 4.87 -16.39	84.71 5.16 -21.52	108.22 6.13 -34.74	99.18 5.89 -27.09	89.35 5.05 -26.88	86.86 4.65 -26.88	82.63 4.64 -22.78	72.97 4.57 -13.30	68.14 4.34 -8.82
HUDSON_AVE_10 24168	55.24 3.27 0.00	52.55 2.97 0.00	50.52 2.90 0.00	51.72 3.20 0.00	51.93 3.17 0.00	53.19 3.24 -0.02	53.17 3.37 -0.18	57.80 3.83 0.00	60.63 3.89 -1.92	62.95 4.30 -3.55	71.46 4.48 -11.65	82.14 4.49 -22.27	72.20 4.48 -12.46	75.59 4.36 -16.03	70.90 4.64 -10.99	76.25 4.54 -16.34	84.53 4.99 -21.52	108.09 5.99 -34.74	99.05 5.76 -27.09	89.23 4.94 -26.88	86.75 4.54 -26.88	82.31 4.47 -22.63	72.80 4.41 -13.30	67.92 4.12 -8.82
HUDSON___115KV_TB 4 355613	55.29 3.33 0.00	52.75 3.17 0.00	50.66 3.05 0.00	51.57 3.06 0.00	51.88 3.12 0.00	52.97 3.00 -0.06	52.97 2.93 -0.43	57.10 3.13 0.00	62.31 2.96 -4.53	66.53 3.09 -8.34	69.34 3.10 -10.92	68.60 3.10 -10.11	67.67 2.98 -9.42	67.97 2.98 -9.78	73.01 2.98 -14.77	90.39 2.99 -32.02	112.08 3.31 -50.75	144.71 3.97 -73.39	134.41 3.84 -64.37	124.20 3.39 -63.39	121.82 3.10 -63.39	98.95 3.09 -40.65	89.48 3.03 -31.35	79.18 3.41 -20.79
HUNTER MOUNT___DRP 323613	55.66 3.69 0.00	53.04 3.47 0.00	50.94 3.33 0.00	51.86 3.35 0.00	52.17 3.41 0.00	53.02 3.05 -0.05	52.98 2.98 -0.38	57.53 3.56 0.00	62.08 3.18 -4.08	65.92 3.31 -7.52	69.03 3.26 -10.44	68.38 3.21 -9.78	67.47 3.09 -9.12	67.60 3.09 -9.30	72.47 3.04 -14.17	87.46 3.16 -28.93	107.28 3.54 -45.71	138.50 4.38 -66.77	128.38 4.24 -57.95	118.25 3.73 -57.10	115.81 3.38 -57.11	95.14 3.31 -36.62	86.59 3.25 -28.24	77.23 3.52 -18.73
HUNTINGTON_RES_REC 323705	67.32 5.10 -10.25	62.49 4.76 -8.16	52.19 4.57 -0.01	53.38 4.85 -0.01	54.20 4.83 -0.61	56.88 4.99 -1.97	61.55 5.16 -6.77	67.47 5.78 -7.73	70.28 5.81 -9.65	73.06 6.17 -11.79	85.85 6.41 -24.12	82.92 6.26 -21.28	78.68 6.13 -17.28	80.64 6.13 -19.31	83.65 6.57 -21.81	94.81 6.70 -32.74	125.49 7.13 -60.33	136.65 8.08 -61.22	131.97 7.94 -57.83	121.68 6.83 -57.44	112.22 6.53 -50.36	112.17 6.46 -50.51	89.42 6.44 -27.88	81.01 6.32 -19.71
HUNTLEY___63 23557	45.94 -6.03 0.00	44.17 -5.40 0.00	41.99 -5.62 0.00	42.60 -5.92 0.00	42.91 -5.85 0.00	43.79 -6.14 0.00	43.10 -6.55 -0.03	46.19 -6.96 0.82	46.51 -6.91 1.40	41.09 -6.50 7.51	41.10 -6.09 8.13	40.98 -6.09 8.31	40.75 -6.19 8.32	40.32 -6.57 8.32	40.83 -6.52 7.91	41.82 -6.31 7.24	45.31 -6.09 6.63	53.19 -7.75 6.42	51.61 -7.55 7.05	45.07 -6.49 5.85	44.93 -5.92 4.48	42.14 -6.29 6.77	47.57 -6.39 1.13	49.86 -6.60 -1.47
HUNTLEY___64 23558	45.94 -6.03 0.00	44.17 -5.40 0.00	41.99 -5.62 0.00	42.60 -5.92 0.00	42.91 -5.85 0.00	43.79 -6.14 0.00	43.10 -6.55 -0.03	46.19 -6.96 0.82	46.51 -6.91 1.40	41.09 -6.50 7.51	41.10 -6.09 8.13	40.98 -6.09 8.31	40.75 -6.19 8.32	40.32 -6.57 8.32	40.83 -6.52 7.91	41.82 -6.31 7.24	45.31 -6.09 6.63	53.19 -7.75 6.42	51.61 -7.55 7.05	45.07 -6.49 5.85	44.93 -5.92 4.48	42.14 -6.29 6.77	47.57 -6.39 1.13	49.86 -6.60 -1.47
HUNTLEY___65 23559	45.94 -6.03 0.00	44.17 -5.40 0.00	41.99 -5.62 0.00	42.60 -5.92 0.00	42.91 -5.85 0.00	43.79 -6.14 0.00	43.10 -6.55 -0.03	46.19 -6.96 0.82	46.51 -6.91 1.40	41.09 -6.50 7.51	41.10 -6.09 8.13	40.98 -6.09 8.31	40.75 -6.19 8.32	40.32 -6.57 8.32	40.83 -6.52 7.91	41.82 -6.31 7.24	45.31 -6.09 6.63	53.19 -7.75 6.42	51.61 -7.55 7.05	45.07 -6.49 5.85	44.93 -5.92 4.48	42.14 -6.29 6.77	47.57 -6.39 1.13	49.86 -6.60 -1.47
HUNTLEY___66 23560	45.94 -6.03 0.00	44.17 -5.40 0.00	41.99 -5.62 0.00	42.60 -5.92 0.00	42.91 -5.85 0.00	43.79 -6.14 0.00	43.10 -6.55 -0.03	46.19 -6.96 0.82	46.51 -6.91 1.40	41.09 -6.50 7.51	41.10 -6.09 8.13	40.98 -6.09 8.31	40.75 -6.19 8.32	40.32 -6.57 8.32	40.83 -6.52 7.91	41.82 -6.31 7.24	45.31 -6.09 6.63	53.19 -7.75 6.42	51.61 -7.55 7.05	45.07 -6.49 5.85	44.93 -5.92 4.48	42.14 -6.29 6.77	47.57 -6.39 1.13	49.86 -6.60 -1.47



HUNTLEY___67 23561	45.78 -6.18 0.00	44.02 -5.55 0.00	41.90 -5.71 0.00	42.50 -6.02 0.00	42.81 -5.95 0.00	43.69 -6.24 0.00	43.05 -6.60 -0.03	45.72 -7.29 0.96	45.77 -7.35 1.71	39.10 -7.00 9.00	38.86 -6.64 9.83	38.70 -6.65 10.04	38.49 -6.74 10.03	38.12 -7.07 10.02	38.61 -7.02 9.63	39.60 -6.81 8.96	42.98 -6.61 8.43	50.55 -8.28 8.51	49.05 -8.08 9.08	42.75 -7.00 7.66	42.88 -6.42 6.04	39.92 -6.79 8.50	46.57 -6.83 1.70	49.78 -6.71 -1.51
HUNTLEY___68 23562	45.78 -6.18 0.00	44.02 -5.55 0.00	41.90 -5.71 0.00	42.50 -6.02 0.00	42.81 -5.95 0.00	43.69 -6.24 0.00	43.05 -6.60 -0.03	45.72 -7.29 0.96	45.77 -7.35 1.71	39.10 -7.00 9.00	38.86 -6.64 9.83	38.70 -6.65 10.04	38.49 -6.74 10.03	38.12 -7.07 10.02	38.61 -7.02 9.63	39.60 -6.81 8.96	42.98 -6.61 8.43	50.55 -8.28 8.51	49.05 -8.08 9.08	42.75 -7.00 7.66	42.88 -6.42 6.04	39.92 -6.79 8.50	46.57 -6.83 1.70	49.78 -6.71 -1.51
HYLAND___LFG 323620	50.36 -1.61 0.00	48.09 -1.49 0.00	45.80 -1.81 0.00	46.57 -1.94 0.00	46.91 -1.85 0.00	47.93 -2.00 0.00	47.91 -1.74 -0.03	55.54 -1.94 -3.51	60.81 -1.76 -7.75	88.79 -1.71 -35.41	94.53 -1.55 -40.76	95.19 -1.61 -41.41	94.14 -2.16 -41.04	93.68 -2.32 -40.79	95.05 -2.21 -42.00	97.59 -1.38 -43.59	105.39 -0.52 -47.88	124.55 -0.34 -57.54	120.47 -0.26 -54.54	106.38 -0.46 -49.43	98.50 -0.38 -43.55	98.92 -0.94 -44.65	70.67 -1.32 -16.90	55.27 -1.37 -1.66
INDECK___CORINTH 23802	55.66 3.69 0.00	52.99 3.42 0.00	50.89 3.28 0.00	51.77 3.25 0.00	52.17 3.41 0.00	53.72 3.69 -0.10	54.02 3.62 -0.78	57.86 3.89 0.00	67.38 4.22 -8.34	74.80 4.35 -15.35	72.63 4.26 -13.05	70.45 4.32 -10.74	69.53 4.26 -10.01	71.77 4.25 -12.31	76.61 4.26 -17.09	117.62 4.32 -57.92	155.98 4.58 -93.37	200.00 5.39 -127.26	190.29 5.23 -118.86	178.65 4.60 -116.64	176.34 4.37 -116.64	134.31 4.31 -74.79	116.97 4.19 -57.69	97.30 4.07 -38.25
INDECK___ILION 23567	52.49 0.52 0.00	50.07 0.50 0.00	48.09 0.48 0.00	49.00 0.49 0.00	49.20 0.44 0.00	50.37 0.45 0.00	50.11 0.50 0.00	54.51 0.54 0.00	55.37 0.55 0.00	55.76 0.66 0.00	55.98 0.66 0.00	56.11 0.72 0.00	55.92 0.66 0.00	55.87 0.66 0.00	55.92 0.66 0.00	56.15 0.78 0.00	58.89 0.87 0.00	68.29 0.94 0.00	67.06 0.86 0.00	58.16 0.75 0.00	56.05 0.72 0.00	55.87 0.66 0.00	55.76 0.66 0.00	55.64 0.66 0.00
INDECK___OLEAN 23982	47.71 -4.26 0.00	45.80 -3.77 0.00	43.61 -4.00 0.00	44.25 -4.27 0.00	44.56 -4.19 0.00	45.48 -4.44 0.00	45.19 -4.47 -0.04	48.94 -4.86 0.18	48.59 -6.25 -0.02	47.78 -6.28 1.04	48.37 -6.31 0.65	48.59 -6.09 0.70	48.24 -6.24 0.78	48.13 -6.24 0.83	48.73 -6.35 0.17	50.00 -6.15 -0.77	53.96 -6.27 -2.20	64.73 -6.87 -4.25	62.53 -6.68 -3.02	54.78 -5.91 -3.28	52.88 -6.03 -3.58	50.69 -5.96 -1.44	51.05 -6.06 -2.01	52.35 -4.45 -1.81
INDECK___OSWEGO 23783	50.04 -1.92 0.00	47.79 -1.78 0.00	45.85 -1.76 0.00	46.72 -1.79 0.00	46.96 -1.80 0.00	48.03 -1.90 0.00	47.83 -1.78 0.00	52.08 -1.89 0.00	52.95 -1.86 0.00	53.39 -1.71 0.00	54.34 -1.55 -0.57	54.53 -1.49 -0.64	54.25 -1.60 -0.60	54.01 -1.65 -0.46	54.42 -1.66 -0.82	53.96 -1.49 -0.08	56.58 -1.45 0.00	66.23 -1.75 -0.63	64.48 -1.72 0.00	55.87 -1.55 0.00	53.84 -1.49 0.00	53.60 -1.60 0.00	53.39 -1.71 0.00	53.22 -1.76 0.00
INDECK___YERKES 23781	45.99 -5.97 0.00	44.22 -5.35 0.00	42.04 -5.57 0.00	42.59 -5.92 0.00	42.96 -5.80 0.00	43.83 -6.09 0.00	43.35 -6.30 -0.03	46.03 -7.12 0.82	46.57 -6.85 1.40	41.14 -6.45 7.51	40.99 -6.19 8.13	40.92 -6.15 8.31	40.76 -6.19 8.32	40.37 -6.51 8.32	40.88 -6.47 7.91	41.87 -6.26 7.24	45.36 -6.04 6.63	53.25 -7.68 6.42	51.61 -7.55 7.05	45.07 -6.49 5.85	44.98 -5.87 4.48	42.19 -6.24 6.77	47.58 -6.39 1.13	49.91 -6.54 -1.47
INDIAN POINT_GT_1 24139	54.98 3.01 0.00	52.35 2.78 0.00	50.33 2.71 0.00	51.38 2.86 0.00	51.68 2.93 0.00	52.89 2.95 -0.02	52.87 3.08 -0.18	57.31 3.35 0.00	60.06 3.34 -1.90	62.34 3.75 -3.49	66.98 4.04 -7.62	66.51 4.04 -7.08	66.34 4.03 -7.05	65.40 3.97 -6.22	70.12 4.03 -10.82	73.22 4.10 -13.74	83.62 4.35 -21.25	106.91 5.25 -34.31	97.99 5.03 -26.75	88.27 4.31 -26.54	85.80 3.93 -26.55	75.80 3.86 -16.73	72.03 3.80 -13.13	67.32 3.63 -8.70
INDIAN POINT_GT_2 23659	54.98 3.01 0.00	52.35 2.78 0.00	50.33 2.71 0.00	51.38 2.86 0.00	51.68 2.93 0.00	52.89 2.95 -0.02	52.87 3.08 -0.18	57.31 3.35 0.00	60.06 3.34 -1.90	62.34 3.75 -3.49	66.98 4.04 -7.62	66.51 4.04 -7.08	66.34 4.03 -7.05	65.40 3.97 -6.22	70.12 4.03 -10.82	73.22 4.10 -13.74	83.62 4.35 -21.25	106.91 5.25 -34.31	97.99 5.03 -26.75	88.27 4.31 -26.54	85.80 3.93 -26.55	75.80 3.86 -16.73	72.03 3.80 -13.13	67.32 3.63 -8.70
INDIAN POINT_GT_3 24019	54.98 3.01 0.00	52.35 2.78 0.00	50.33 2.71 0.00	51.38 2.86 0.00	51.68 2.93 0.00	52.89 2.95 -0.02	52.87 3.08 -0.18	57.31 3.35 0.00	60.06 3.34 -1.90	62.34 3.75 -3.49	66.98 4.04 -7.62	66.51 4.04 -7.08	66.34 4.03 -7.05	65.40 3.97 -6.22	70.12 4.03 -10.82	73.22 4.10 -13.74	83.62 4.35 -21.25	106.91 5.25 -34.31	97.99 5.03 -26.75	88.27 4.31 -26.54	85.80 3.93 -26.55	75.80 3.86 -16.73	72.03 3.80 -13.13	67.32 3.63 -8.70
INDIAN POINT___2 23530	54.87 2.91 0.00	52.20 2.63 0.00	50.18 2.57 0.00	51.28 2.76 0.00	51.54 2.78 0.00	52.79 2.84 -0.02	52.77 2.98 -0.18	57.21 3.24 0.00	59.92 3.23 -1.87	62.12 3.58 -3.44	66.71 3.87 -7.51	66.25 3.88 -6.99	66.08 3.87 -6.95	65.15 3.81 -6.13	69.80 3.87 -10.67	72.86 3.93 -13.56	83.17 4.18 -20.96	106.24 5.05 -33.84	97.42 4.83 -26.39	87.74 4.14 -26.19	85.28 3.76 -26.19	75.47 3.76 -16.51	71.74 3.69 -12.95	67.03 3.47 -8.59
INDIAN POINT___3 23531	54.93 2.96 0.00	52.30 2.73 0.00	50.23 2.62 0.00	51.33 2.81 0.00	51.59 2.83 0.00	52.84 2.90 -0.02	52.77 2.98 -0.18	57.26 3.29 0.00	60.01 3.29 -1.90	62.23 3.64 -3.49	66.89 3.93 -7.64	66.45 3.93 -7.13	66.25 3.92 -7.07	65.32 3.86 -6.25	69.96 3.87 -10.83	73.12 3.99 -13.76	83.53 4.24 -21.27	106.74 5.05 -34.34	97.81 4.83 -26.78	88.12 4.13 -26.57	85.66 3.76 -26.57	75.72 3.75 -16.76	71.93 3.69 -13.14	67.21 3.52 -8.71
INGHAM_C_115KV_TB7 356103	52.54 0.57 0.00	50.12 0.55 0.00	48.13 0.52 0.00	49.05 0.53 0.00	49.25 0.49 0.00	50.42 0.50 0.00	50.16 0.55 0.00	54.56 0.59 0.00	55.48 0.66 0.00	55.81 0.72 0.00	56.04 0.72 0.00	56.16 0.78 0.00	55.98 0.72 0.00	55.87 0.66 0.00	55.98 0.72 0.00	56.26 0.89 0.00	58.95 0.93 0.00	68.43 1.08 0.00	67.19 0.99 0.00	58.22 0.80 0.00	56.11 0.77 0.00	55.98 0.77 0.00	55.87 0.77 0.00	55.75 0.77 0.00
IP CORINTH___1 23988	55.66 3.69 0.00	52.99 3.42 0.00	50.90 3.29 0.00	51.77 3.25 0.00	52.12 3.36 0.00	53.72 3.69 -0.10	54.02 3.62 -0.78	57.85 3.89 0.00	67.38 4.22 -8.34	74.80 4.35 -15.35	72.63 4.26 -13.05	70.45 4.32 -10.74	69.53 4.26 -10.01	71.77 4.25 -12.31	76.61 4.26 -17.09	117.62 4.32 -57.92	155.98 4.58 -93.37	200.00 5.39 -127.26	190.36 5.30 -118.86	178.65 4.59 -116.64	176.34 4.37 -116.64	134.31 4.31 -74.79	116.92 4.13 -57.69	97.24 4.01 -38.25



IP___TICONDEROGA 23804	57.53 5.56 0.00	54.68 5.11 0.00	52.47 4.86 0.00	53.27 4.75 0.00	53.68 4.92 0.00	55.52 5.49 -0.10	55.80 5.41 -0.78	59.74 5.77 0.00	69.46 6.36 -8.28	76.78 6.45 -15.24	74.64 6.31 -13.01	72.48 6.37 -10.73	71.51 6.24 -10.00	73.71 6.24 -12.27	78.61 6.30 -17.05	119.19 6.31 -57.50	157.43 6.73 -92.67	201.60 7.88 -126.37	191.91 7.75 -117.97	179.90 6.72 -115.77	177.57 6.47 -115.77	135.73 6.29 -74.23	118.47 6.12 -57.26	98.94 5.99 -37.96
ISLIP_RES_REC 323679	68.20 5.97 -10.26	63.38 5.65 -8.16	53.00 5.38 -0.01	54.15 5.63 -0.01	55.07 5.70 -0.61	57.78 5.89 -1.97	62.44 6.05 -6.77	68.50 6.80 -7.73	71.33 6.85 -9.66	74.05 7.16 -11.80	86.80 7.36 -24.12	83.82 7.15 -21.28	79.56 7.02 -17.28	81.58 7.07 -19.31	84.65 7.57 -21.82	95.87 7.75 -32.74	126.60 8.24 -60.34	138.28 9.70 -61.23	133.38 9.34 -57.84	122.79 7.93 -57.45	113.28 7.58 -50.37	113.29 7.56 -50.52	90.48 7.49 -27.89	82.06 7.37 -19.71
JAMAICA__27_KV_LOAD 355505	55.29 3.33 0.00	52.55 2.97 0.00	50.56 2.95 0.00	51.77 3.25 0.00	51.98 3.22 0.00	53.19 3.24 -0.02	53.22 3.42 -0.18	57.85 3.89 0.00	60.74 4.00 -1.92	63.11 4.46 -3.55	71.23 4.26 -11.65	81.92 4.26 -22.27	71.92 4.20 -12.46	75.37 4.14 -16.03	71.01 4.75 -10.99	76.03 4.32 -16.34	84.82 5.28 -21.52	108.49 6.40 -34.74	99.45 6.16 -27.09	89.58 5.28 -26.88	87.08 4.87 -26.88	82.48 4.64 -22.63	72.91 4.52 -13.30	67.98 4.18 -8.82
JANIS___SOLAR 323808	53.42 1.45 0.00	51.11 1.54 0.00	48.85 1.24 0.00	49.73 1.21 0.00	49.88 1.12 0.00	51.13 1.20 -0.01	51.32 1.63 -0.07	56.02 2.05 0.00	57.45 1.92 -0.72	58.56 2.15 -1.31	59.62 2.05 -2.26	59.73 2.16 -2.19	59.07 1.77 -2.04	58.83 1.65 -1.97	60.29 1.93 -3.09	63.00 2.49 -5.13	69.05 3.02 -8.01	83.16 3.63 -12.18	79.82 3.51 -10.12	70.30 2.87 -10.01	68.00 2.66 -10.01	63.89 2.26 -6.42	62.14 2.09 -4.95	60.19 1.92 -3.28
JARVIS____ 23743	52.23 0.26 0.00	49.82 0.25 0.00	47.85 0.24 0.00	48.76 0.24 0.00	49.00 0.25 0.00	50.17 0.25 0.00	49.87 0.25 0.00	54.24 0.27 0.00	55.09 0.28 0.00	55.43 0.33 0.00	55.71 0.39 0.00	55.83 0.44 0.00	55.65 0.39 0.00	55.60 0.39 0.00	55.65 0.39 0.00	55.77 0.39 0.00	58.49 0.46 0.00	67.89 0.54 0.00	66.67 0.47 0.00	57.82 0.40 0.00	55.72 0.39 0.00	55.60 0.39 0.00	55.49 0.39 0.00	55.31 0.33 0.00
JENNISON___1 23625	53.73 1.77 0.00	51.46 1.88 0.00	49.18 1.57 0.00	50.12 1.60 0.00	50.22 1.46 0.00	51.48 1.55 -0.01	51.65 1.94 -0.10	56.29 2.32 0.00	58.14 2.25 -1.07	59.59 2.53 -1.96	60.90 2.60 -2.98	60.93 2.71 -2.84	60.22 2.32 -2.64	60.05 2.21 -2.63	61.76 2.43 -4.06	65.92 2.93 -7.61	73.30 3.31 -11.97	89.09 3.97 -17.77	85.03 3.71 -15.13	75.42 3.04 -14.96	73.11 2.82 -14.96	67.33 2.54 -9.59	64.92 2.42 -7.40	62.14 2.25 -4.91
JENNISON___2 23626	53.73 1.77 0.00	51.46 1.88 0.00	49.18 1.57 0.00	50.12 1.60 0.00	50.22 1.46 0.00	51.48 1.55 -0.01	51.65 1.94 -0.10	56.29 2.32 0.00	58.14 2.25 -1.07	59.59 2.53 -1.96	60.90 2.60 -2.98	60.93 2.71 -2.84	60.22 2.32 -2.64	60.05 2.21 -2.63	61.76 2.43 -4.06	65.92 2.93 -7.61	73.30 3.31 -11.97	89.09 3.97 -17.77	85.03 3.71 -15.13	75.42 3.04 -14.96	73.11 2.82 -14.96	67.33 2.54 -9.59	64.92 2.42 -7.40	62.14 2.25 -4.91
JERICHO_RISE_WT_PWR 323719	51.45 -0.52 0.00	49.08 -0.50 0.00	47.09 -0.52 0.00	47.88 -0.63 0.00	48.08 -0.68 0.00	49.22 -0.70 0.00	48.63 -0.99 0.00	53.05 -0.92 0.00	53.89 -0.93 0.00	53.77 -1.32 0.00	53.77 -1.55 0.00	53.78 -1.61 0.00	53.66 -1.60 0.00	53.66 -1.55 0.00	53.60 -1.66 0.00	53.60 -1.77 0.00	56.11 -1.91 0.00	65.53 -1.82 0.00	64.74 -1.46 0.00	56.15 -1.26 0.00	54.22 -1.11 0.00	54.32 -0.89 0.00	54.33 -0.77 0.00	54.54 -0.44 0.00
KATONAH___115KV_46KV_TB4 355592	55.60 3.64 0.00	52.89 3.32 0.00	50.80 3.19 0.00	51.96 3.44 0.00	52.22 3.46 0.00	53.44 3.49 -0.02	53.42 3.62 -0.18	58.02 4.05 0.00	60.83 4.06 -1.95	63.15 4.46 -3.59	68.10 4.76 -8.02	68.25 4.82 -8.05	67.51 4.75 -7.50	66.73 4.64 -6.88	71.05 4.70 -11.09	74.44 4.82 -14.25	85.02 5.16 -21.84	108.85 6.26 -35.23	99.65 5.96 -27.49	89.75 5.05 -27.28	87.26 4.65 -27.28	77.28 4.58 -17.49	73.11 4.52 -13.49	68.16 4.23 -8.95
KCE_NY_1 323755	55.24 3.28 0.00	52.60 3.02 0.00	50.56 2.95 0.00	51.47 2.96 0.00	51.83 3.07 0.00	53.27 3.24 -0.10	53.57 3.18 -0.77	57.37 3.40 0.00	66.63 3.62 -8.19	73.87 3.69 -15.08	71.99 3.71 -12.96	69.86 3.77 -10.71	68.95 3.70 -9.98	71.11 3.70 -12.21	75.96 3.70 -16.99	116.04 3.77 -56.90	153.71 4.00 -91.69	197.12 4.64 -125.12	187.47 4.56 -116.71	175.91 3.96 -114.54	173.68 3.81 -114.54	132.41 3.76 -73.44	115.44 3.69 -56.65	96.17 3.63 -37.56
KCE_NY_6_ESR 323823	46.35 -5.61 0.00	44.57 -5.00 0.00	42.37 -5.24 0.00	42.98 -5.53 0.00	43.30 -5.46 0.00	44.19 -5.74 0.00	43.74 -5.91 -0.03	46.27 -6.69 1.00	46.04 -7.02 1.76	39.07 -6.72 9.30	38.72 -6.47 10.13	38.61 -6.42 10.35	38.45 -6.47 10.34	38.07 -6.79 10.34	38.60 -6.74 9.92	39.60 -6.53 9.24	42.96 -6.38 8.68	50.82 -7.81 8.72	49.25 -7.61 9.34	42.94 -6.60 7.88	42.94 -6.20 6.19	40.05 -6.40 8.75	46.81 -6.56 1.73	50.51 -6.05 -1.58
KEDC_PORT_JEFF_GT2 24210	67.88 5.72 -10.20	63.04 5.36 -8.11	52.76 5.14 -0.01	53.91 5.38 -0.01	54.78 5.41 -0.61	57.47 5.59 -1.96	62.11 5.75 -6.74	68.13 6.47 -7.68	70.95 6.52 -9.61	73.73 6.89 -11.75	86.40 7.03 -24.05	83.53 6.87 -21.28	79.25 6.74 -17.25	81.22 6.73 -19.28	84.25 7.24 -21.75	95.45 7.42 -32.65	125.97 7.83 -60.12	137.59 9.16 -61.08	132.74 8.87 -57.67	122.21 7.52 -57.27	112.75 7.19 -50.23	112.74 7.17 -50.36	90.06 7.16 -27.80	81.67 7.04 -19.65
KEDC_PORT_JEFF_GT3 24211	67.88 5.72 -10.20	63.04 5.36 -8.11	52.76 5.14 -0.01	53.91 5.38 -0.01	54.78 5.41 -0.61	57.47 5.59 -1.96	62.11 5.75 -6.74	68.13 6.47 -7.68	70.95 6.52 -9.61	73.73 6.89 -11.75	86.40 7.03 -24.05	83.53 6.87 -21.28	79.25 6.74 -17.25	81.22 6.73 -19.28	84.25 7.24 -21.75	95.45 7.42 -32.65	125.97 7.83 -60.12	137.59 9.16 -61.08	132.74 8.87 -57.67	122.21 7.52 -57.27	112.75 7.19 -50.23	112.74 7.17 -50.36	90.06 7.16 -27.80	81.67 7.04 -19.65
KEDC_GLWD_GT4 24219	72.81 4.26 -16.58	66.68 3.92 -13.20	51.44 3.81 -0.02	52.61 4.08 -0.02	53.80 4.04 -1.00	57.24 4.14 -3.18	64.78 4.31 -10.84	71.05 4.58 -12.50	73.85 4.61 -14.42	76.99 5.01 -16.88	92.59 5.31 -31.96	82.10 5.43 -21.28	81.09 5.36 -20.47	82.24 5.30 -21.73	88.87 5.14 -28.47	103.52 5.20 -42.94	147.75 5.52 -84.21	151.30 6.47 -77.49	149.15 6.22 -76.73	138.98 5.34 -76.23	125.16 5.03 -64.79	128.09 4.97 -67.91	96.83 4.90 -36.83	86.17 4.78 -26.41
KEDC_GLWD_GT5 24220	72.81 4.26 -16.58	66.68 3.92 -13.20	51.44 3.81 -0.02	52.61 4.08 -0.02	53.80 4.04 -1.00	57.24 4.14 -3.18	64.78 4.31 -10.84	71.05 4.58 -12.50	73.85 4.61 -14.42	76.99 5.01 -16.88	92.59 5.31 -31.96	82.10 5.43 -21.28	81.09 5.36 -20.47	82.24 5.30 -21.73	88.87 5.14 -28.47	103.52 5.20 -42.94	147.75 5.52 -84.21	151.30 6.47 -77.49	149.15 6.22 -76.73	138.98 5.34 -76.23	125.16 5.03 -64.79	128.09 4.97 -67.91	96.83 4.90 -36.83	86.17 4.78 -26.41



KENSICO____ 23655	55.14 3.17 0.00	52.50 2.92 0.00	50.42 2.81 0.00	51.52 3.01 0.00	51.83 3.07 0.00	53.04 3.10 -0.02	53.02 3.23 -0.18	57.53 3.56 0.00	60.29 3.56 -1.91	62.58 3.97 -3.52	67.21 4.26 -7.63	66.59 4.26 -6.94	66.55 4.26 -7.04	65.54 4.20 -6.14	70.42 4.26 -10.91	73.51 4.32 -13.82	84.02 4.58 -21.41	107.44 5.52 -34.57	98.39 5.23 -26.96	88.64 4.48 -26.75	86.17 4.09 -26.75	76.08 4.09 -16.79	72.35 4.02 -13.23	67.60 3.85 -8.77
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	56.12 4.16 0.00	53.44 3.87 0.00	51.23 3.62 0.00	52.30 3.78 0.00	52.61 3.85 0.00	53.99 4.04 -0.03	53.98 4.17 -0.20	58.50 4.53 0.00	61.67 4.77 -2.08	64.05 5.12 -3.83	68.15 5.14 -7.68	68.10 5.10 -7.61	67.28 4.92 -7.10	66.71 4.86 -6.64	70.77 4.92 -10.59	75.72 5.26 -15.08	87.19 5.86 -23.31	111.27 7.27 -36.65	102.62 7.02 -29.40	92.62 6.09 -29.12	89.87 5.42 -29.12	79.18 5.30 -18.67	74.68 5.18 -14.40	69.53 5.00 -9.55
KIAC_JFK_GT1 23816	54.77 2.81 0.00	52.05 2.48 0.00	50.28 2.67 0.00	51.47 2.96 0.00	51.68 2.93 0.00	52.69 2.75 -0.02	52.73 2.93 -0.18	57.31 3.35 0.00	60.19 3.45 -1.92	62.56 3.91 -3.55	70.68 3.71 -11.65	81.37 3.71 -22.27	71.37 3.65 -12.46	74.82 3.59 -16.03	70.45 4.20 -10.99	75.48 3.77 -16.34	84.24 4.70 -21.52	107.75 5.66 -34.74	98.72 5.43 -27.09	88.95 4.65 -26.88	86.47 4.26 -26.88	81.87 4.03 -22.63	72.36 3.97 -13.30	67.43 3.63 -8.82
KIAC_JFK_GT2 23817	54.77 2.81 0.00	52.05 2.48 0.00	50.28 2.67 0.00	51.47 2.96 0.00	51.68 2.93 0.00	52.69 2.75 -0.02	52.73 2.93 -0.18	57.31 3.35 0.00	60.19 3.45 -1.92	62.56 3.91 -3.55	70.68 3.71 -11.65	81.37 3.71 -22.27	71.37 3.65 -12.46	74.82 3.59 -16.03	70.45 4.20 -10.99	75.48 3.77 -16.34	84.24 4.70 -21.52	107.75 5.66 -34.74	98.72 5.43 -27.09	88.95 4.65 -26.88	86.47 4.26 -26.88	81.87 4.03 -22.63	72.36 3.97 -13.30	67.43 3.63 -8.82
KIAC_JFK____ 323774	54.77 2.80 0.00	52.00 2.43 0.00	50.28 2.66 0.00	51.38 2.86 0.00	51.34 2.58 0.00	52.69 2.74 -0.02	52.73 2.93 -0.18	57.32 3.35 0.00	60.20 3.46 -1.92	62.56 3.91 -3.55	70.46 3.49 -11.65	81.37 3.71 -22.27	71.37 3.65 -12.46	74.82 3.59 -16.03	70.45 4.20 -10.99	75.48 3.77 -16.34	84.25 4.70 -21.53	107.75 5.66 -34.74	98.72 5.43 -27.09	88.95 4.65 -26.88	86.47 4.26 -26.88	81.38 3.54 -22.63	72.31 3.91 -13.30	67.43 3.63 -8.82
KINTIGH____ 23543	46.35 -5.61 0.00	44.47 -5.11 0.00	42.42 -5.19 0.00	43.08 -5.43 0.00	43.39 -5.36 0.00	44.29 -5.64 0.00	43.74 -5.90 -0.03	46.90 -6.58 0.48	47.89 -6.19 0.74	45.01 -5.84 4.25	45.72 -5.48 4.12	45.76 -5.91 4.19	45.44 -5.86 4.24	44.96 -5.91 4.34	45.68 -5.59 3.72	46.22 -5.40 3.56	49.74 -7.00 2.89	58.52 -6.88 1.83	56.43 -5.91 2.88	49.32 -5.26 2.18	48.70 -5.69 1.38	46.35 -5.67 3.17	49.38 -6.05 0.05	50.21 -1.28
KNTFSRNC_46_KV_46KV_LOAD 80397	52.33 0.36 0.00	49.92 0.35 0.00	47.90 0.29 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.22 -0.40 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.61 0.00	54.60 -0.72 0.00	54.67 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.98 -1.04 0.00	66.54 -0.81 0.00	65.87 -0.33 0.00	57.13 -0.29 0.00	55.11 -0.22 0.00	55.26 0.06 0.00	55.21 0.11 0.00	55.64 0.66 0.00
LACHUTE__HYDRO 323717	57.53 5.56 0.00	54.63 5.06 0.00	52.47 4.86 0.00	53.27 4.76 0.00	53.83 5.07 0.00	55.52 5.49 -0.10	55.81 5.41 -0.78	59.75 5.78 0.00	69.46 6.36 -8.28	76.83 6.50 -15.24	74.63 6.30 -13.01	72.48 6.37 -10.73	71.50 6.24 -10.00	73.71 6.24 -12.27	78.55 6.24 -17.05	119.18 6.31 -57.50	157.42 6.73 -92.67	201.53 7.81 -126.37	191.91 7.74 -117.97	179.90 6.71 -115.77	177.57 6.47 -115.77	135.73 6.29 -74.23	118.47 6.12 -57.26	98.94 5.99 -37.96
LAWRNCV_115KV_TB1 80681	50.98 -0.99 0.00	48.68 -0.89 0.00	46.71 -0.90 0.00	47.50 -1.02 0.00	47.69 -1.07 0.00	48.77 -1.15 0.00	48.43 -1.19 0.00	52.78 -1.19 0.00	53.56 -1.26 0.00	53.50 -1.60 0.00	53.44 -1.88 0.00	53.50 -1.88 0.00	53.38 -1.88 0.00	53.38 -1.82 0.00	53.38 -1.88 0.00	53.44 -1.94 0.00	55.82 -2.20 0.00	65.06 -2.29 0.00	64.21 -1.99 0.00	55.64 -1.78 0.00	53.62 -1.72 0.00	53.77 -1.44 0.00	53.72 -1.38 0.00	53.77 -1.21 0.00
LEDERLE____ 23769	54.93 2.96 0.00	52.35 2.78 0.00	50.28 2.67 0.00	51.33 2.81 0.00	51.64 2.88 0.00	52.84 2.90 -0.02	52.82 3.03 -0.17	57.26 3.29 0.00	59.90 3.23 -1.85	62.13 3.64 -3.40	66.65 3.87 -7.46	66.35 3.88 -7.09	66.05 3.87 -6.92	65.19 3.81 -6.18	69.59 3.81 -10.52	72.72 3.93 -13.41	82.89 4.18 -20.68	105.79 5.05 -33.38	97.08 4.83 -26.04	87.45 4.19 -25.84	84.93 3.76 -25.84	75.32 3.75 -16.36	71.57 3.69 -12.78	66.92 3.46 -8.47
LIGHTHSE_115KV_TB6 355974	50.67 -1.30 0.00	48.38 -1.19 0.00	46.37 -1.24 0.00	47.25 -1.26 0.00	47.44 -1.32 0.00	48.53 -1.40 0.00	48.38 -1.24 0.00	52.73 -1.24 0.00	53.61 -1.21 0.00	54.11 -0.99 0.00	55.02 -0.83 -0.53	55.20 -0.78 -0.59	54.81 -0.99 -0.55	54.64 -0.99 -0.42	55.07 -0.94 -0.75	54.79 -0.66 -0.07	57.44 -0.58 0.00	67.26 -0.67 -0.58	65.47 -0.73 0.00	56.67 -0.75 0.00	54.67 -0.66 0.00	54.49 -0.72 0.00	54.27 -0.83 0.00	53.94 -1.04 0.00
LINDEN COGEN____ 23786	54.51 3.07 0.52	51.81 2.77 0.54	49.71 2.71 0.61	30.40 3.01 21.12	31.95 2.97 19.78	33.28 3.10 19.74	35.39 3.27 17.50	37.39 3.62 20.19	37.39 3.67 21.10	37.39 4.13 21.84	39.28 4.43 20.47	39.28 4.43 20.54	39.28 4.36 20.35	39.28 4.31 20.23	39.28 4.42 20.40	38.99 4.48 20.87	39.86 4.70 22.86	42.14 5.59 30.79	39.86 5.36 31.70	39.86 4.59 22.15	39.86 4.20 19.67	39.86 4.19 19.54	38.99 4.19 20.29	37.36 3.96 21.58
LINDHRST_69_KV_BK1 356055	68.57 5.40 -11.20	63.59 5.11 -8.91	52.53 4.90 -0.01	53.72 5.19 -0.01	54.65 5.22 -0.67	57.42 5.34 -2.15	62.41 5.41 -7.38	68.51 6.10 -8.44	71.33 6.14 -10.37	73.99 6.34 -12.56	87.20 6.58 -25.29	83.09 6.42 -21.28	79.60 6.58 -17.76	81.33 6.46 -19.67	84.92 6.85 -22.81	96.62 6.98 -34.27	129.23 7.31 -63.90	139.50 8.49 -63.66	135.07 8.21 -60.66	124.73 7.06 -60.25	114.55 6.70 -52.52	115.11 6.79 -53.12	91.03 6.72 -29.22	82.23 6.54 -20.70
LIPA_MISC_IPP 23656	67.85 5.72 -10.17	63.06 5.40 -8.09	52.76 5.14 -0.01	53.91 5.39 -0.01	54.83 5.46 -0.61	57.47 5.59 -1.95	62.09 5.76 -6.71	68.10 6.48 -7.66	70.93 6.52 -9.59	73.43 6.61 -11.72	86.19 6.86 -24.01	83.26 6.59 -21.28	79.24 6.74 -17.24	81.10 6.62 -19.27	84.16 7.18 -21.72	95.33 7.36 -32.59	125.84 7.83 -59.98	137.57 9.23 -60.99	132.57 8.80 -57.56	122.05 7.46 -57.17	112.68 7.19 -50.16	112.70 7.23 -50.26	90.01 7.16 -27.75	81.62 7.04 -19.60
LISF__SOLAR 323691	67.96 5.82 -10.18	63.12 5.45 -8.10	52.86 5.24 -0.01	54.00 5.48 -0.01	54.88 5.51 -0.61	57.57 5.69 -1.96	62.24 5.90 -6.72	68.27 6.64 -7.67	71.04 6.63 -9.60	73.77 6.94 -11.73	86.42 7.08 -24.02	83.48 6.81 -21.28	79.19 6.68 -17.24	81.21 6.73 -19.28	84.23 7.24 -21.73	95.52 7.53 -32.61	126.01 7.95 -60.03	137.80 9.43 -61.02	132.80 9.00 -57.60	122.26 7.64 -57.21	112.87 7.36 -50.18	112.85 7.34 -50.30	90.14 7.27 -27.77	81.81 7.20 -19.62



LITTLE FALLS___HYD 24013	52.54 0.57 0.00	50.12 0.55 0.00	48.13 0.52 0.00	49.05 0.53 0.00	49.25 0.49 0.00	50.42 0.50 0.00	50.16 0.55 0.00	54.56 0.59 0.00	55.48 0.66 0.00	55.81 0.72 0.00	56.04 0.72 0.00	56.16 0.78 0.00	55.98 0.72 0.00	55.87 0.66 0.00	55.98 0.72 0.00	56.26 0.89 0.00	58.95 0.93 0.00	68.43 1.08 0.00	67.19 0.99 0.00	58.22 0.80 0.00	56.11 0.77 0.00	55.98 0.77 0.00	55.87 0.77 0.00	55.75 0.77 0.00
LITTLRIV_115KV_TB1 356100	51.65 -0.31 0.00	49.37 -0.20 0.00	47.33 -0.29 0.00	48.08 -0.44 0.00	48.27 -0.49 0.00	49.37 -0.55 0.00	49.12 -0.50 0.00	53.54 -0.43 0.00	54.33 -0.49 0.00	54.16 -0.94 0.00	54.10 -1.22 0.00	54.17 -1.22 0.00	53.99 -1.27 0.00	53.99 -1.21 0.00	54.04 -1.22 0.00	54.21 -1.16 0.00	56.69 -1.33 0.00	66.14 -1.21 0.00	65.21 -0.99 0.00	56.44 -0.98 0.00	54.39 -0.94 0.00	54.49 -0.72 0.00	54.49 -0.61 0.00	54.49 -0.49 0.00
LI_NEWBRDGE___DRP 323616	65.80 4.26 -9.57	61.20 4.02 -7.61	51.48 3.86 -0.01	52.70 4.17 -0.01	53.47 4.14 -0.57	56.01 4.24 -1.84	60.32 4.37 -6.33	66.03 4.86 -7.21	68.83 5.12 -9.14	71.46 5.42 -11.24	84.01 5.26 -23.27	81.93 5.42 -21.28	77.61 5.42 -16.94	79.55 5.30 -19.04	81.93 5.58 -21.09	92.66 5.65 -31.63	121.67 5.92 -57.73	133.61 6.80 -59.46	128.60 6.62 -55.78	118.56 5.74 -55.40	109.49 5.37 -48.80	109.24 5.41 -48.62	87.35 5.34 -26.90	79.18 5.22 -18.97
LOCKPORT_115KV_TB60_63_64 80432	45.63 -6.34 0.00	43.87 -5.70 0.00	41.71 -5.90 0.00	42.30 -6.21 0.00	42.66 -6.09 0.00	43.54 -6.39 0.00	42.90 -6.75 -0.03	46.04 -7.23 0.69	46.65 -7.02 1.15	42.22 -6.61 6.27	42.40 -6.20 6.72	42.31 -6.20 6.88	42.02 -6.35 6.89	41.63 -6.68 6.90	42.09 -6.69 6.49	43.15 -6.37 5.86	46.67 -6.15 5.21	54.59 -7.95 4.81	52.92 -7.81 5.47	46.29 -6.66 4.46	46.05 -5.98 3.31	43.34 -6.46 5.41	47.87 -6.50 0.72	49.46 -6.93 -1.40
LOCKPORT___CC1 323769	45.62 -6.34 0.00	43.87 -5.70 0.00	41.71 -5.91 0.00	42.30 -6.21 0.00	42.66 -6.10 0.00	43.54 -6.39 0.00	43.05 -6.60 -0.03	45.93 -7.29 0.75	46.37 -7.18 1.27	41.46 -6.78 6.86	41.45 -6.47 7.40	41.40 -6.42 7.56	41.17 -6.52 7.57	40.78 -6.85 7.58	41.23 -6.85 7.17	42.29 -6.53 6.55	45.77 -6.32 5.93	53.62 -8.08 5.64	51.91 -8.01 6.28	45.40 -6.83 5.19	45.26 -6.14 3.93	42.54 -6.57 6.09	47.42 -6.72 0.95	49.47 -6.93 -1.42
LOCKPORT___CC2 323770	45.62 -6.34 0.00	43.87 -5.70 0.00	41.71 -5.91 0.00	42.30 -6.21 0.00	42.66 -6.10 0.00	43.54 -6.39 0.00	43.05 -6.60 -0.03	45.93 -7.29 0.75	46.37 -7.18 1.27	41.46 -6.78 6.86	41.45 -6.47 7.40	41.40 -6.42 7.56	41.17 -6.52 7.57	40.78 -6.85 7.58	41.23 -6.85 7.17	42.29 -6.53 6.55	45.77 -6.32 5.93	53.62 -8.08 5.64	51.91 -8.01 6.28	45.40 -6.83 5.19	45.26 -6.14 3.93	42.54 -6.57 6.09	47.42 -6.72 0.95	49.47 -6.93 -1.42
LOCKPORT___CC3 323771	45.62 -6.34 0.00	43.87 -5.70 0.00	41.71 -5.91 0.00	42.30 -6.21 0.00	42.66 -6.10 0.00	43.54 -6.39 0.00	43.05 -6.60 -0.03	45.93 -7.29 0.75	46.37 -7.18 1.27	41.46 -6.78 6.86	41.45 -6.47 7.40	41.40 -6.42 7.56	41.17 -6.52 7.57	40.78 -6.85 7.58	41.23 -6.85 7.17	42.29 -6.53 6.55	45.77 -6.32 5.93	53.62 -8.08 5.64	51.91 -8.01 6.28	45.40 -6.83 5.19	45.26 -6.14 3.93	42.54 -6.57 6.09	47.42 -6.72 0.95	49.47 -6.93 -1.42
LONG_LAKE_PHOENIX 24014	50.20 -1.77 0.00	47.89 -1.69 0.00	45.94 -1.67 0.00	46.82 -1.70 0.00	47.05 -1.71 0.00	48.18 -1.75 0.00	47.93 -1.69 0.00	52.24 -1.73 0.00	53.17 -1.64 0.00	53.61 -1.49 0.00	54.58 -1.33 -0.59	54.83 -1.22 -0.66	54.55 -1.33 -0.61	54.25 -1.44 -0.48	54.72 -1.38 -0.85	54.19 -1.27 -0.08	56.81 -1.22 0.00	66.52 -1.48 -0.65	64.74 -1.46 0.00	56.10 -1.32 0.00	54.06 -1.27 0.00	53.77 -1.44 0.00	53.61 -1.49 0.00	53.39 -1.59 0.00
LOVETT___3 23632	54.72 2.75 0.00	52.10 2.53 0.00	50.09 2.48 0.00	51.18 2.67 0.00	51.44 2.68 0.00	52.64 2.70 -0.02	52.62 2.83 -0.17	56.99 3.02 0.00	59.63 2.96 -1.85	61.81 3.31 -3.41	66.40 3.60 -7.48	66.08 3.60 -7.09	65.79 3.59 -6.94	64.92 3.53 -6.18	69.41 3.59 -10.56	72.48 3.65 -13.45	82.67 3.89 -20.76	105.57 4.71 -33.50	96.77 4.44 -26.14	87.19 3.85 -25.93	84.75 3.49 -25.93	75.10 3.48 -16.41	71.28 3.36 -12.82	66.67 3.19 -8.50
LOVETT___4 23642	54.72 2.75 0.00	52.10 2.53 0.00	50.09 2.48 0.00	51.18 2.67 0.00	51.44 2.68 0.00	52.64 2.70 -0.02	52.62 2.83 -0.17	56.99 3.02 0.00	59.63 2.96 -1.85	61.81 3.31 -3.41	66.40 3.60 -7.48	66.08 3.60 -7.09	65.79 3.59 -6.94	64.92 3.53 -6.18	69.41 3.59 -10.56	72.48 3.65 -13.45	82.67 3.89 -20.76	105.57 4.71 -33.50	96.77 4.44 -26.14	87.19 3.85 -25.93	84.75 3.49 -25.93	75.10 3.48 -16.41	71.28 3.36 -12.82	66.67 3.19 -8.50
LOVETT___5 23593	54.72 2.75 0.00	52.10 2.53 0.00	50.09 2.48 0.00	51.18 2.67 0.00	51.44 2.68 0.00	52.64 2.70 -0.02	52.62 2.83 -0.17	56.99 3.02 0.00	59.63 2.96 -1.85	61.81 3.31 -3.41	66.40 3.60 -7.48	66.08 3.60 -7.09	65.79 3.59 -6.94	64.92 3.53 -6.18	69.41 3.59 -10.56	72.48 3.65 -13.45	82.67 3.89 -20.76	105.57 4.71 -33.50	96.77 4.44 -26.14	87.19 3.85 -25.93	84.75 3.49 -25.93	75.10 3.48 -16.41	71.28 3.36 -12.82	66.67 3.19 -8.50
LOWER RAQUET___HYD 24057	50.72 -1.25 0.00	48.43 -1.14 0.00	46.47 -1.14 0.00	47.21 -1.31 0.00	47.39 -1.36 0.00	48.53 -1.40 0.00	48.13 -1.49 0.00	52.51 -1.45 0.00	53.34 -1.48 0.00	53.22 -1.87 0.00	53.22 -2.10 0.00	53.28 -2.10 0.00	53.10 -2.16 0.00	53.11 -2.10 0.00	53.10 -2.16 0.00	53.16 -2.22 0.00	55.59 -2.43 0.00	64.79 -2.56 0.00	63.95 -2.25 0.00	55.40 -2.01 0.00	53.34 -1.99 0.00	53.49 -1.71 0.00	53.50 -1.60 0.00	53.50 -1.48 0.00
LOWER___HUDSON 24059	54.67 2.70 0.00	52.10 2.53 0.00	50.09 2.47 0.00	51.04 2.52 0.00	51.34 2.58 0.00	52.70 2.69 -0.09	52.92 2.63 -0.67	56.83 2.86 0.00	64.85 2.90 -7.13	71.25 3.03 -13.12	70.84 3.15 -12.37	69.07 3.16 -10.53	68.23 3.15 -9.82	69.85 3.15 -11.50	74.70 3.09 -16.34	108.20 3.15 -49.67	141.13 3.31 -79.80	181.28 3.84 -110.09	171.47 3.77 -101.50	160.37 3.27 -99.68	158.11 3.10 -99.68	122.22 3.09 -63.92	107.43 3.03 -49.30	90.63 2.97 -32.69
LOWVILLE_115KV_TB2 356335	51.55 -0.42 0.00	49.27 -0.30 0.00	47.18 -0.43 0.00	48.08 -0.44 0.00	48.22 -0.54 0.00	49.37 -0.55 0.00	49.42 -0.20 0.00	53.86 -0.11 0.00	54.71 -0.11 0.00	55.04 -0.06 0.00	55.41 -0.17 -0.26	55.56 -0.11 -0.29	55.08 -0.44 -0.27	54.92 -0.50 -0.21	55.35 -0.28 -0.37	55.47 0.06 -0.04	58.31 0.29 0.00	68.17 0.54 -0.28	66.60 0.40 0.00	57.59 0.17 0.00	55.44 0.11 0.00	55.32 0.11 0.00	55.10 0.00 0.00	54.76 -0.22 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	55.19 3.22 0.00	52.60 3.02 0.00	50.52 2.90 0.00	51.43 2.91 0.00	51.73 2.97 0.00	53.27 3.24 -0.10	53.56 3.18 -0.77	57.37 3.40 0.00	66.57 3.56 -8.19	73.86 3.69 -15.08	71.93 3.65 -12.96	69.81 3.71 -10.71	68.89 3.65 -9.98	71.06 3.64 -12.21	75.96 3.70 -16.99	116.04 3.77 -56.90	153.72 4.00 -91.69	197.12 4.65 -125.12	187.41 4.50 -116.71	175.91 3.96 -114.54	173.63 3.76 -114.54	132.35 3.70 -73.44	115.38 3.64 -56.65	96.11 3.57 -37.56



LUTHERNY_35_KV_BK2 355980	55.24 3.27 0.00	52.60 3.02 0.00	50.56 2.95 0.00	51.47 2.96 0.00	51.78 3.02 0.00	53.27 3.24 -0.10	53.56 3.18 -0.77	57.37 3.40 0.00	66.63 3.62 -8.19	73.86 3.69 -15.08	71.99 3.71 -12.96	69.86 3.77 -10.71	68.95 3.70 -9.98	71.11 3.70 -12.21	75.96 3.70 -16.99	116.04 3.77 -56.90	153.77 4.06 -91.69	197.12 4.65 -125.12	187.47 4.57 -116.71	175.91 3.96 -114.54	173.68 3.82 -114.54	132.41 3.75 -73.44	115.43 3.69 -56.65	96.11 3.57 -37.56
LWR___OSWEGATCHIE_HYD 23850	50.51 -1.46 0.00	48.28 -1.29 0.00	46.23 -1.38 0.00	47.06 -1.46 0.00	47.20 -1.56 0.00	48.33 -1.60 0.00	48.18 -1.44 0.00	52.57 -1.40 0.00	53.34 -1.48 0.00	53.44 -1.65 0.00	53.69 -1.83 -0.19	53.83 -1.77 -0.21	53.47 -1.99 -0.20	53.37 -1.99 -0.15	53.60 -1.93 -0.27	53.69 -1.72 -0.03	56.28 -1.74 0.00	65.81 -1.75 -0.21	64.48 -1.72 0.00	55.81 -1.61 0.00	53.78 -1.55 0.00	53.77 -1.44 0.00	53.66 -1.43 0.00	53.50 -1.48 0.00
LYONS_FALL_HYD 23570	52.12 0.16 0.00	49.82 0.25 0.00	47.75 0.14 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.97 0.35 0.00	54.45 0.48 0.00	55.31 0.49 0.00	55.70 0.61 0.00	56.11 0.55 -0.24	56.21 0.55 -0.27	55.84 0.33 -0.25	55.68 0.28 -0.19	56.04 0.44 -0.34	56.18 0.77 -0.03	58.95 0.93 0.00	68.83 1.21 -0.26	67.26 1.06 0.00	58.22 0.80 0.00	56.05 0.72 0.00	55.87 0.66 0.00	55.65 0.55 0.00	55.37 0.39 0.00
MADISON___COUNTY_LFGE 323628	52.90 0.94 0.00	50.56 0.99 0.00	48.47 0.86 0.00	49.39 0.87 0.00	49.64 0.88 0.00	50.87 0.95 0.00	50.81 1.19 0.00	55.37 1.40 0.00	56.24 1.43 0.00	56.58 1.49 0.00	57.29 1.55 -0.42	57.46 1.61 -0.47	57.14 1.44 -0.44	56.93 1.38 -0.34	57.41 1.55 -0.61	57.21 1.77 -0.06	60.00 1.97 0.00	70.11 2.29 -0.47	68.32 2.12 0.00	59.14 1.72 0.00	56.94 1.60 0.00	56.64 1.44 0.00	56.47 1.38 0.00	56.25 1.26 0.00
MALONE___115KV_TB1 356076	51.97 0.00 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.37 -0.15 0.00	48.51 -0.24 0.00	49.67 -0.25 0.00	49.17 -0.45 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.61 0.00	54.60 -0.72 0.00	54.67 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.92 -1.10 0.00	66.47 -0.88 0.00	65.87 -0.33 0.00	57.07 -0.34 0.00	55.00 -0.33 0.00	55.15 -0.06 0.00	55.10 0.00 0.00	55.20 0.22 0.00
MAPLEWOD_115KV_TB3 80458	54.46 2.49 0.00	51.90 2.33 0.00	49.94 2.33 0.00	50.84 2.33 0.00	51.15 2.39 0.00	52.49 2.50 -0.07	52.62 2.43 -0.57	56.50 2.54 0.00	63.47 2.58 -6.07	69.02 2.75 -11.17	70.09 2.88 -11.90	68.82 2.94 -10.49	67.97 2.93 -9.78	68.97 2.87 -10.90	74.01 2.87 -15.87	100.68 2.82 -42.48	128.92 2.96 -67.94	165.96 3.37 -95.24	155.85 3.31 -86.34	145.15 2.87 -84.87	142.91 2.71 -84.87	112.33 2.71 -54.42	99.77 2.70 -41.97	85.56 2.75 -27.83
MAPLE_RIDGE_WT_1 323574	51.55 -0.42 0.00	49.17 -0.40 0.00	47.23 -0.38 0.00	48.08 -0.44 0.00	48.27 -0.49 0.00	49.42 -0.50 0.00	49.02 -0.59 0.00	53.27 -0.70 0.00	54.10 -0.71 0.00	54.21 -0.88 0.00	54.33 -0.99 0.00	54.33 -1.05 0.00	54.21 -1.05 0.00	54.16 -1.05 0.00	54.21 -1.05 0.00	54.32 -1.05 0.00	56.92 -1.10 0.00	66.14 -1.21 0.00	65.07 -1.13 0.00	56.44 -0.98 0.00	54.39 -0.94 0.00	54.38 -0.83 0.00	54.38 -0.72 0.00	54.38 -0.60 0.00
MAPLE_RIDGE_WT_2 323611	51.55 -0.42 0.00	49.17 -0.40 0.00	47.23 -0.38 0.00	48.08 -0.44 0.00	48.27 -0.49 0.00	49.42 -0.50 0.00	49.02 -0.59 0.00	53.27 -0.70 0.00	54.10 -0.71 0.00	54.21 -0.88 0.00	54.33 -0.99 0.00	54.33 -1.05 0.00	54.21 -1.05 0.00	54.16 -1.05 0.00	54.21 -1.05 0.00	54.32 -1.05 0.00	56.92 -1.10 0.00	66.14 -1.21 0.00	65.07 -1.13 0.00	56.44 -0.98 0.00	54.39 -0.94 0.00	54.38 -0.83 0.00	54.38 -0.72 0.00	54.38 -0.60 0.00
MARBLE_RIVER_WT_PWR 323696	51.45 -0.52 0.00	49.08 -0.50 0.00	47.14 -0.48 0.00	47.88 -0.63 0.00	48.08 -0.68 0.00	49.22 -0.70 0.00	48.63 -0.99 0.00	53.05 -0.92 0.00	53.89 -0.93 0.00	53.77 -1.32 0.00	53.77 -1.55 0.00	53.78 -1.61 0.00	53.71 -1.55 0.00	53.66 -1.55 0.00	53.66 -1.60 0.00	53.66 -1.72 0.00	56.17 -1.86 0.00	65.60 -1.75 0.00	64.81 -1.39 0.00	56.21 -1.21 0.00	54.22 -1.11 0.00	54.38 -0.83 0.00	54.38 -0.72 0.00	54.60 -0.38 0.00
MARSHVLE_115KV_TB1 80742	55.24 3.27 0.00	52.60 3.02 0.00	50.52 2.90 0.00	51.33 2.81 0.00	51.64 2.88 0.00	53.31 3.29 -0.09	53.65 3.32 -0.71	57.58 3.62 0.00	66.18 3.78 -7.58	72.51 3.47 -13.94	72.42 3.26 -13.84	70.29 2.94 -11.97	69.13 2.71 -11.16	70.86 2.87 -12.78	76.66 3.04 -18.36	111.96 3.71 -52.88	146.99 4.18 -84.79	190.08 4.98 -117.75	179.10 4.96 -107.93	167.64 4.31 -105.92	165.56 4.32 -105.92	127.21 4.09 -67.92	111.39 3.91 -52.38	93.45 3.74 -34.73
MARSH_HILL_WT_PWR 323713	47.29 -4.68 0.00	45.11 -4.46 0.00	43.04 -4.57 0.00	43.71 -4.80 0.00	43.98 -4.78 0.00	44.99 -4.94 -0.01	44.94 -4.71 -0.04	52.39 -5.08 -3.50	56.96 -5.65 -7.79	85.37 -5.07 -35.34	91.20 -4.87 -40.75	92.13 -4.65 -41.39	91.35 -4.92 -41.01	90.89 -5.08 -40.76	91.87 -5.47 -42.08	93.97 -5.32 -43.91	101.36 -5.16 -48.50	120.17 -5.72 -58.55	116.03 -5.56 -55.39	102.80 -4.88 -50.26	94.83 -4.92 -44.42	95.34 -4.97 -45.11	67.66 -4.79 -17.35	52.76 -4.23 -2.01
MCINTYRE_115KV_TB2 80467	52.33 0.36 0.00	50.07 0.50 0.00	47.94 0.33 0.00	48.76 0.24 0.00	48.90 0.15 0.00	50.07 0.15 0.00	49.82 0.20 0.00	54.29 0.32 0.00	55.04 0.22 0.00	54.88 -0.22 0.00	54.77 -0.55 0.00	54.78 -0.61 0.00	54.65 -0.61 0.00	54.71 -0.50 0.00	54.71 -0.55 0.00	54.93 -0.44 0.00	57.44 -0.58 0.00	67.01 -0.34 0.00	66.07 -0.13 0.00	57.19 -0.23 0.00	55.11 -0.22 0.00	55.21 0.00 0.00	55.21 0.11 0.00	55.26 0.27 0.00
MECO_____69_KV_BK1 80468	56.44 4.47 0.00	53.74 4.16 0.00	51.61 4.00 0.00	52.40 3.88 0.00	52.76 4.00 0.00	54.52 4.49 -0.10	54.79 4.42 -0.76	58.72 4.75 0.00	67.94 5.04 -8.08	74.76 4.79 -14.87	73.56 4.59 -13.65	71.29 4.38 -11.53	70.21 4.20 -10.75	72.31 4.36 -12.74	77.74 4.48 -18.00	116.56 4.93 -56.26	154.00 5.51 -90.46	198.22 6.47 -124.40	187.79 6.42 -115.17	176.04 5.63 -113.00	173.81 5.48 -113.00	133.02 5.35 -72.46	116.16 5.18 -55.89	97.04 5.00 -37.05
MENANDS___115KV_TB5 355628	54.36 2.39 0.00	51.80 2.23 0.00	49.80 2.19 0.00	50.75 2.23 0.00	51.05 2.29 0.00	52.34 2.35 -0.07	52.45 2.28 -0.55	56.34 2.37 0.00	63.12 2.41 -5.89	68.47 2.53 -10.84	69.89 2.77 -11.81	68.63 2.77 -10.47	67.79 2.76 -9.76	68.75 2.76 -10.78	73.74 2.71 -15.77	99.23 2.60 -41.25	126.66 2.73 -65.90	163.20 3.17 -92.68	152.98 3.05 -83.74	142.39 2.64 -82.33	140.15 2.49 -82.33	110.54 2.54 -52.79	98.29 2.48 -40.72	84.62 2.64 -27.00
MG INDUSTRY___DRP 24185	54.10 2.13 0.00	51.60 2.03 0.00	49.61 2.00 0.00	50.55 2.04 0.00	50.81 2.05 0.00	52.07 2.10 -0.05	52.00 1.98 -0.40	56.02 2.05 0.00	61.06 1.97 -4.27	64.99 2.04 -7.85	68.39 2.16 -10.92	67.82 2.22 -10.22	67.00 2.21 -9.53	67.13 2.21 -9.72	72.28 2.21 -14.81	87.81 2.22 -30.22	108.09 2.32 -47.74	139.72 2.63 -69.74	129.23 2.52 -60.52	119.29 2.24 -59.64	117.13 2.16 -59.64	95.60 2.15 -38.24	86.74 2.15 -29.50	76.79 2.25 -19.56



MID___OSWEGATCHIE_HYD 23849	50.51 -1.46 0.00	48.28 -1.29 0.00	46.23 -1.38 0.00	47.06 -1.46 0.00	47.20 -1.56 0.00	48.33 -1.60 0.00	48.18 -1.44 0.00	52.57 -1.40 0.00	53.34 -1.48 0.00	53.44 -1.65 0.00	53.69 -1.83 -0.19	53.83 -1.77 -0.21	53.47 -1.99 -0.20	53.37 -1.99 -0.15	53.60 -1.93 -0.27	53.69 -1.72 -0.03	56.28 -1.74 0.00	65.81 -1.75 -0.21	64.48 -1.72 0.00	55.81 -1.61 0.00	53.78 -1.55 0.00	53.77 -1.44 0.00	53.66 -1.43 0.00	53.50 -1.48 0.00
MID___RAQUETTE_HYD 23851	50.72 -1.25 0.00	48.43 -1.14 0.00	46.47 -1.14 0.00	47.20 -1.31 0.00	47.39 -1.37 0.00	48.53 -1.40 0.00	48.18 -1.44 0.00	52.51 -1.46 0.00	53.34 -1.48 0.00	53.22 -1.87 0.00	53.16 -2.16 0.00	53.23 -2.16 0.00	53.11 -2.16 0.00	53.11 -2.10 0.00	53.11 -2.16 0.00	53.16 -2.22 0.00	55.59 -2.44 0.00	64.79 -2.56 0.00	63.95 -2.25 0.00	55.41 -2.01 0.00	53.39 -1.94 0.00	53.49 -1.71 0.00	53.50 -1.60 0.00	53.50 -1.48 0.00
MILLIKEN___1 23584	51.91 -0.05 0.00	49.57 0.00 0.00	47.47 -0.14 0.00	48.37 -0.15 0.00	48.61 -0.15 0.00	49.78 -0.15 -0.01	49.71 0.05 -0.04	54.24 0.27 0.00	55.48 0.22 -0.45	56.35 0.44 -0.82	57.46 0.50 -1.64	57.62 0.61 -1.62	57.22 0.44 -1.51	56.95 0.33 -1.42	57.96 0.44 -2.26	59.26 0.66 -3.22	63.93 0.93 -4.98	76.33 1.14 -7.83	73.60 1.13 -6.28	64.56 0.92 -6.22	62.33 0.77 -6.22	59.75 0.55 -3.99	58.62 0.44 -3.08	57.41 0.38 -2.04
MILLIKEN___2 23585	51.91 -0.05 0.00	49.57 0.00 0.00	47.47 -0.14 0.00	48.37 -0.15 0.00	48.61 -0.15 0.00	49.78 -0.15 -0.01	49.71 0.05 -0.04	54.24 0.27 0.00	55.48 0.22 -0.45	56.35 0.44 -0.82	57.46 0.50 -1.64	57.62 0.61 -1.62	57.22 0.44 -1.51	56.95 0.33 -1.42	57.96 0.44 -2.26	59.26 0.66 -3.22	63.93 0.93 -4.98	76.33 1.14 -7.83	73.60 1.13 -6.28	64.56 0.92 -6.22	62.33 0.77 -6.22	59.75 0.55 -3.99	58.62 0.44 -3.08	57.41 0.38 -2.04
MILLIKEN___DIESEL 23629	51.91 -0.05 0.00	49.57 0.00 0.00	47.47 -0.14 0.00	48.37 -0.15 0.00	48.61 -0.15 0.00	49.78 -0.15 -0.01	49.71 0.05 -0.04	54.24 0.27 0.00	55.48 0.22 -0.45	56.35 0.44 -0.82	57.46 0.50 -1.64	57.62 0.61 -1.62	57.22 0.44 -1.51	56.95 0.33 -1.42	57.96 0.44 -2.26	59.26 0.66 -3.22	63.93 0.93 -4.98	76.33 1.14 -7.83	73.60 1.13 -6.28	64.56 0.92 -6.22	62.33 0.77 -6.22	59.75 0.55 -3.99	58.62 0.44 -3.08	57.41 0.38 -2.04
MILLSEAT___LFGE 323607	46.88 -5.09 0.00	45.01 -4.56 0.00	42.80 -4.81 0.00	43.47 -5.05 0.00	43.78 -4.97 0.00	44.73 -5.19 0.00	44.34 -5.31 -0.03	47.55 -5.83 0.59	48.29 -5.59 0.93	44.69 -5.18 5.23	44.99 -4.81 5.52	44.97 -4.76 5.65	44.67 -4.92 5.67	44.27 -5.25 5.69	44.75 -5.25 5.26	45.88 -4.82 4.68	49.63 -4.41 3.99	58.17 -5.79 3.39	56.34 -5.76 4.10	49.17 -5.00 3.26	48.62 -4.43 2.28	46.05 -4.91 4.24	49.56 -5.18 0.36	50.84 -5.50 -1.36
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	55.03 3.07 0.00	52.40 2.83 0.00	50.37 2.76 0.00	51.47 2.96 0.00	51.73 2.97 0.00	52.99 3.05 -0.02	52.92 3.13 -0.18	57.42 3.45 0.00	60.18 3.45 -1.91	62.46 3.86 -3.51	67.12 4.15 -7.65	66.65 4.15 -7.11	66.43 4.09 -7.08	65.48 4.03 -6.24	70.22 4.09 -10.87	73.39 4.21 -13.80	83.83 4.47 -21.34	107.13 5.32 -34.46	98.17 5.10 -26.87	88.44 4.36 -26.66	85.98 3.98 -26.66	75.98 3.97 -16.80	72.19 3.91 -13.19	67.41 3.68 -8.74
MILLWOOD_13_KV_LOAD 356217	55.19 3.22 0.00	52.55 2.97 0.00	50.47 2.86 0.00	51.57 3.06 0.00	51.83 3.07 0.00	53.09 3.15 -0.02	53.02 3.23 -0.18	57.53 3.56 0.00	60.29 3.56 -1.91	62.57 3.97 -3.51	67.23 4.26 -7.65	66.76 4.26 -7.11	66.59 4.26 -7.08	65.59 4.14 -6.24	70.33 4.20 -10.87	73.50 4.32 -13.80	84.01 4.64 -21.34	107.33 5.52 -34.46	98.37 5.30 -26.87	88.61 4.54 -26.66	86.14 4.15 -26.66	76.09 4.09 -16.80	72.31 4.02 -13.19	67.52 3.79 -8.74
MODEL_CITY_ENERGY 24167	45.11 -6.86 0.00	43.37 -6.20 0.00	41.23 -6.38 0.00	41.82 -6.70 0.00	42.17 -6.58 0.00	43.04 -6.89 0.00	42.55 -7.10 -0.03	45.69 -7.56 0.73	46.10 -7.51 1.21	41.49 -7.05 6.56	41.48 -6.75 7.09	41.38 -6.76 7.25	41.20 -6.80 7.26	40.83 -7.12 7.26	41.27 -7.13 6.87	42.32 -6.87 6.18	45.88 -6.62 5.53	53.59 -8.55 5.20	51.91 -8.47 5.82	45.41 -7.24 4.77	45.35 -6.42 3.57	42.58 -6.90 5.72	47.28 -7.00 0.81	48.89 -7.53 -1.44
MODERN_LFGE___ 323580	45.11 -6.86 0.00	43.37 -6.20 0.00	41.23 -6.38 0.00	41.82 -6.70 0.00	42.17 -6.58 0.00	43.04 -6.89 0.00	42.55 -7.10 -0.03	45.69 -7.56 0.73	46.10 -7.51 1.21	41.49 -7.05 6.56	41.48 -6.75 7.09	41.38 -6.76 7.25	41.20 -6.80 7.26	40.83 -7.12 7.26	41.27 -7.13 6.87	42.32 -6.87 6.18	45.88 -6.62 5.53	53.59 -8.55 5.20	51.91 -8.47 5.82	45.41 -7.24 4.77	45.35 -6.42 3.57	42.58 -6.90 5.72	47.28 -7.00 0.81	48.89 -7.53 -1.44
MOHAWK_PAPER___DRP 24187	54.46 2.49 0.00	51.90 2.33 0.00	49.94 2.33 0.00	50.84 2.33 0.00	51.15 2.39 0.00	52.49 2.50 -0.07	52.62 2.43 -0.57	56.50 2.54 0.00	63.47 2.58 -6.07	69.02 2.75 -11.17	70.09 2.88 -11.90	68.82 2.94 -10.49	67.97 2.93 -9.78	68.97 2.87 -10.90	74.01 2.87 -15.87	100.68 2.82 -42.48	128.92 2.96 -67.94	165.96 3.37 -95.24	155.85 3.31 -86.34	145.15 2.87 -84.87	142.91 2.71 -84.87	112.33 2.71 -54.42	99.77 2.70 -41.97	85.56 2.75 -27.83
MOHICAN___35_KV_115KV_LD 80490	55.86 3.90 0.00	53.19 3.62 0.00	51.09 3.48 0.00	51.96 3.44 0.00	52.32 3.56 0.00	53.92 3.89 -0.10	54.21 3.82 -0.77	58.07 4.10 0.00	67.50 4.44 -8.24	74.84 4.57 -15.17	72.79 4.48 -12.99	70.65 4.54 -10.72	69.73 4.48 -9.99	71.92 4.47 -12.24	76.76 4.48 -17.03	117.17 4.54 -57.25	155.10 4.82 -92.26	198.86 5.66 -125.85	189.20 5.56 -117.44	177.49 4.82 -115.26	175.18 4.59 -115.26	133.64 4.53 -73.91	116.51 4.41 -57.00	97.06 4.29 -37.79
MONGAUP___HYD 23641	55.03 3.07 0.00	52.40 2.82 0.00	50.32 2.71 0.00	51.33 2.81 0.00	51.59 2.83 0.00	52.84 2.89 -0.02	52.46 2.68 -0.17	56.93 2.97 0.00	59.53 2.96 -1.76	61.86 3.53 -3.23	66.06 3.59 -7.14	65.88 3.55 -6.95	65.34 3.43 -6.65	64.58 3.37 -6.01	68.73 3.48 -9.99	71.54 3.38 -12.79	81.53 3.83 -19.68	103.34 4.25 -31.75	95.61 4.63 -24.78	86.02 4.02 -24.58	83.46 3.54 -24.58	74.39 3.54 -15.65	71.05 3.80 -12.16	66.73 3.68 -8.06
MONTAUK___DIESEL 23721	67.96 5.82 -10.17	63.12 5.45 -8.09	52.76 5.14 -0.01	53.86 5.34 -0.01	54.88 5.51 -0.61	57.57 5.69 -1.95	62.19 5.85 -6.72	68.32 6.69 -7.66	71.10 6.69 -9.59	73.54 6.72 -11.73	85.86 6.53 -24.01	82.93 6.26 -21.28	78.85 6.35 -17.24	80.77 6.29 -19.27	83.89 6.91 -21.72	95.29 7.31 -32.60	125.97 7.95 -60.00	137.85 9.50 -61.00	132.65 8.87 -57.58	122.01 7.41 -57.18	112.52 7.03 -50.17	112.55 7.07 -50.28	89.74 6.89 -27.75	81.90 7.31 -19.61
MOONROAD_115KV_HARTFLD_TB1-2 355988	45.21 -6.76 0.00	43.38 -6.20 0.00	41.18 -6.43 0.00	41.67 -6.84 0.00	42.13 -6.63 0.00	42.89 -7.04 0.00	42.36 -7.29 -0.03	46.80 -6.42 0.74	46.88 -6.74 1.20	40.35 -8.04 6.71	40.43 -7.74 7.15	40.26 -7.81 7.31	40.03 -7.90 7.33	39.52 -8.34 7.35	40.18 -8.23 6.85	41.37 -7.92 6.08	46.75 -6.03 5.24	55.54 -7.21 4.60	53.89 -6.88 5.43	47.10 -5.97 4.34	46.43 -5.81 3.09	43.66 -6.02 5.53	48.28 -6.28 0.54	49.72 -6.93 -1.67



MORRIS_RIDGE___SOLAR 323848	47.19 -4.78 0.00	45.21 -4.36 0.00	43.09 -4.52 0.00	43.71 -4.80 0.00	44.03 -4.73 0.00	44.98 -4.94 -0.01	44.74 -4.91 -0.04	43.73 -5.45 4.79	39.29 -5.86 9.66	2.94 -5.51 46.65	-2.32 -5.37 52.27	-3.02 -5.21 53.20	-3.07 -5.41 52.92	-3.15 -5.57 52.78	-3.13 -5.69 52.70	-2.93 -5.42 52.88	-2.38 -5.28 55.13	-1.23 -6.13 62.46	-1.43 -6.02 61.60	-2.49 -5.22 54.68	3.59 -5.09 46.66	-2.84 -5.30 52.75	33.02 -5.34 16.73	51.97 -4.95 -1.93
MORTIMER_115KV_TB3 55949	48.38 -3.59 0.00	46.25 -3.32 0.00	44.18 -3.43 0.00	44.97 -3.54 0.00	45.25 -3.51 0.00	46.28 -3.64 0.00	45.85 -3.77 0.00	49.76 -4.21 0.00	50.98 -3.84 0.00	51.59 -3.53 -0.02	53.18 -3.10 -0.96	53.40 -3.05 -1.06	52.99 -3.26 -0.99	52.50 -3.48 -0.78	53.14 -3.48 -1.36	52.37 -3.16 -0.15	55.15 -2.90 -0.02	64.57 -3.84 -1.06	62.45 -3.77 -0.03	54.11 -3.33 -0.02	52.42 -2.93 -0.02	51.86 -3.37 -0.02	51.63 -3.47 -0.01	51.24 -3.74 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	55.55 3.59 0.00	52.84 3.27 0.00	50.75 3.14 0.00	51.91 3.40 0.00	52.17 3.41 0.00	53.44 3.49 -0.02	53.42 3.62 -0.18	57.96 3.99 0.00	60.80 4.06 -1.93	63.17 4.52 -3.56	71.71 4.81 -11.58	82.21 4.82 -22.00	72.43 4.81 -12.36	75.80 4.75 -15.85	71.02 4.75 -11.01	76.55 4.87 -16.30	84.74 5.16 -21.55	108.28 6.13 -34.80	99.23 5.89 -27.14	89.39 5.05 -26.92	86.90 4.65 -26.92	82.39 4.64 -22.54	72.99 4.57 -13.32	68.15 4.34 -8.83
MUNSVILLE_WIND_PWR 323609	55.08 3.12 0.00	52.89 3.32 0.00	50.37 2.76 0.00	51.28 2.76 0.00	51.29 2.53 0.00	52.58 2.64 -0.01	53.12 3.42 -0.08	57.91 3.94 0.00	59.55 3.84 -0.89	60.92 4.19 -1.64	62.03 4.09 -2.62	62.16 4.27 -2.51	61.25 3.65 -2.34	60.93 3.42 -2.30	62.65 3.81 -3.58	66.34 4.59 -6.37	73.25 5.22 -10.00	88.66 6.33 -14.98	84.79 5.96 -12.63	74.79 4.88 -12.49	72.36 4.54 -12.49	67.24 4.03 -8.01	65.08 3.80 -6.18	62.60 3.52 -4.10
N SALMON___HYD 24042	51.97 0.00 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.37 -0.15 0.00	48.52 -0.24 0.00	49.67 -0.25 0.00	49.07 -0.54 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.60 0.00	54.66 -0.66 0.00	54.72 -0.66 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.92 -1.10 0.00	66.47 -0.88 0.00	65.87 -0.33 0.00	57.07 -0.34 0.00	54.95 -0.38 0.00	55.15 -0.06 0.00	55.10 0.00 0.00	55.20 0.22 0.00
N.AKRON__115KV_KNAPP 355671	46.77 -5.20 0.00	44.86 -4.71 0.00	42.71 -4.90 0.00	43.32 -5.19 0.00	43.69 -5.07 0.00	44.58 -5.34 0.00	43.99 -5.66 -0.03	47.31 -6.04 0.61	48.14 -5.70 0.98	44.29 -5.34 5.46	44.66 -4.87 5.79	44.59 -4.87 5.92	44.23 -5.08 5.94	43.83 -5.41 5.96	44.37 -5.36 5.53	45.45 -4.98 4.95	49.06 -4.70 4.26	57.52 -6.13 3.71	55.83 -5.96 4.41	48.72 -5.17 3.53	48.23 -4.59 2.51	45.63 -5.08 4.50	49.42 -5.23 0.44	50.63 -5.72 -1.37
N.BELMOR_69_KV_BK1 55787	70.12 4.63 -13.53	64.70 4.36 -10.77	51.82 4.19 -0.01	53.04 4.51 -0.01	54.06 4.49 -0.81	57.11 4.59 -2.60	63.16 4.66 -8.88	69.35 5.18 -10.20	72.15 5.21 -12.12	74.98 5.45 -14.43	89.14 5.64 -28.18	82.21 5.54 -21.28	79.83 5.64 -18.94	81.29 5.52 -20.56	86.32 5.80 -25.26	99.32 5.93 -38.02	136.86 6.15 -72.69	144.07 7.07 -69.65	140.64 6.82 -67.62	130.50 5.91 -67.17	118.75 5.59 -57.83	120.41 5.69 -59.52	93.23 5.62 -32.51	83.65 5.50 -23.17
N.E_GEN_SANDY PD 24062	76.30 3.01 -21.32	75.43 2.77 -23.08	71.80 2.71 -21.48	71.38 2.86 -20.00	73.00 2.88 -21.37	77.91 2.94 -25.04	84.10 3.03 -31.45	91.64 3.24 -34.44	85.76 3.29 -27.65	81.30 3.53 -22.67	89.70 3.71 -30.67	86.90 3.71 -27.80	86.80 3.70 -27.84	89.00 3.64 -30.15	91.40 3.65 -32.49	102.77 3.71 -43.68	119.53 3.95 -57.56	126.08 4.58 -54.15	116.10 4.44 -45.47	106.10 3.79 -44.90	103.82 3.59 -44.90	97.91 3.59 -39.12	94.97 3.53 -36.34	89.61 3.47 -31.16
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	54.82 2.86 0.00	52.20 2.63 0.00	50.18 2.57 0.00	51.23 2.72 0.00	51.49 2.73 0.00	52.74 2.80 -0.02	52.67 2.88 -0.17	57.10 3.13 0.00	59.74 3.07 -1.85	61.92 3.42 -3.41	66.50 3.71 -7.47	66.19 3.71 -7.09	65.89 3.70 -6.93	65.03 3.64 -6.18	69.45 3.65 -10.54	72.57 3.77 -13.43	82.75 4.00 -20.72	105.64 4.85 -33.44	96.92 4.63 -26.09	87.26 3.96 -25.88	84.81 3.60 -25.88	75.18 3.59 -16.39	71.37 3.47 -12.80	66.77 3.30 -8.49
N.QUEENS_27_KV_LOAD 356247	55.92 3.95 -0.01	53.25 3.67 -0.01	51.14 3.52 -0.01	52.21 3.69 -0.01	52.47 3.71 -0.01	53.74 3.79 -0.02	53.72 3.92 -0.18	58.23 4.26 0.00	60.91 4.17 -1.92	63.33 4.68 -3.55	72.12 5.14 -11.65	82.86 5.21 -22.27	72.86 5.14 -12.46	76.31 5.08 -16.03	71.36 5.08 -11.01	76.92 5.21 -16.34	85.26 5.69 -21.55	108.81 6.67 -34.79	99.68 6.36 -27.13	89.84 5.51 -26.92	87.34 5.09 -26.92	82.82 4.97 -22.64	73.48 5.07 -13.32	68.71 4.89 -8.83
N.TROY___115KV_TB1 355778	54.67 2.70 0.00	52.10 2.53 0.00	50.09 2.48 0.00	51.04 2.52 0.00	51.29 2.54 0.00	52.71 2.70 -0.09	52.92 2.63 -0.67	56.77 2.81 0.00	64.85 2.91 -7.13	71.25 3.03 -13.12	70.84 3.15 -12.37	69.08 3.16 -10.53	68.23 3.15 -9.82	69.85 3.15 -11.50	74.70 3.09 -16.34	108.21 3.16 -49.67	141.13 3.31 -79.80	181.28 3.84 -110.09	171.41 3.71 -101.50	160.37 3.27 -99.68	158.11 3.10 -99.68	122.22 3.09 -63.92	107.43 3.03 -49.30	90.64 2.97 -32.69
NARROWS_GT1_1 24228	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT1_2 24229	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT1_3 24230	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT1_4 24231	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95



NARROWS_GT1_5 24232	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT1_6 24233	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT1_7 24234	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT1_8 24235	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_1 24236	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_2 24237	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_3 24238	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_4 24239	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_5 24240	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_6 24241	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_7 24242	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NARROWS_GT2_8 24243	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	55.66 3.69 0.00	53.04 3.47 0.00	50.94 3.33 0.00	51.86 3.35 0.00	52.17 3.41 0.00	53.02 3.05 -0.05	52.98 2.98 -0.38	57.53 3.56 0.00	62.08 3.18 -4.08	65.92 3.31 -7.52	69.03 3.26 -10.44	68.38 3.21 -9.78	67.47 3.09 -9.12	67.60 3.09 -9.30	72.47 3.04 -14.17	87.46 3.16 -28.93	107.28 3.54 -45.71	138.50 4.38 -66.77	128.38 4.24 -57.95	118.25 3.73 -57.10	115.81 3.38 -57.11	95.14 3.31 -36.62	86.59 3.25 -28.24	77.23 3.52 -18.73
NCHELSEA_115KV_TR2 355582	55.66 3.69 0.00	52.99 3.42 0.00	50.90 3.29 0.00	51.96 3.44 0.00	52.22 3.46 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	58.02 4.05 0.00	60.90 4.11 -1.97	63.24 4.52 -3.62	67.95 4.70 -7.92	68.03 4.71 -7.93	67.24 4.59 -7.40	66.54 4.53 -6.81	70.81 4.59 -10.96	74.43 4.71 -14.35	85.16 5.11 -22.03	108.91 6.20 -35.37	99.91 5.96 -27.75	90.10 5.17 -27.52	87.50 4.65 -27.52	77.44 4.58 -17.65	73.23 4.52 -13.61	68.35 4.34 -9.03
NEG CAPITAL___MECHNVIL 23645	55.34 3.38 0.00	52.65 3.07 0.00	50.61 3.00 0.00	51.52 3.01 0.00	51.93 3.17 0.00	53.37 3.35 -0.10	53.64 3.27 -0.74	57.47 3.51 0.00	66.46 3.73 -7.91	73.45 3.80 -14.55	71.93 3.81 -12.79	69.92 3.88 -10.66	69.00 3.81 -9.93	71.03 3.81 -12.01	75.88 3.81 -16.81	114.22 3.87 -54.97	150.66 4.12 -88.51	193.24 4.78 -121.10	183.55 4.70 -112.65	172.06 4.08 -110.57	169.83 3.93 -110.57	129.97 3.86 -70.90	113.53 3.75 -54.69	94.92 3.68 -36.26



NEG CENTRAL_HIGH_ACRES 23767	48.12 -3.84 0.00	46.00 -3.57 0.00	43.99 -3.62 0.00	44.78 -3.73 0.00	45.05 -3.71 0.00	46.08 -3.84 0.00	45.85 -3.77 0.00	49.65 -4.32 0.00	50.87 -3.95 0.00	51.47 -3.64 -0.01	52.92 -3.32 -0.92	53.14 -3.27 -1.02	52.84 -3.37 -0.95	52.36 -3.59 -0.74	52.98 -3.59 -1.31	52.24 -3.27 -0.14	54.95 -3.08 -0.01	64.39 -3.97 -1.01	62.30 -3.91 -0.01	53.98 -3.44 -0.01	52.24 -3.10 -0.01	51.68 -3.53 -0.01	51.41 -3.69 0.00	51.13 -3.85 0.00
NEG CENTRAL___DRP 24199	50.36 -1.61 0.00	48.09 -1.49 0.00	46.04 -1.57 0.00	46.87 -1.65 0.00	47.15 -1.61 0.00	48.28 -1.65 0.00	48.10 -1.54 -0.02	52.76 -1.57 -0.36	54.19 -1.64 -1.01	57.68 -1.43 -4.01	59.13 -1.27 -5.08	59.37 -1.16 -5.15	58.98 -1.33 -5.05	58.72 -1.44 -4.95	59.39 -1.44 -5.57	60.25 -1.22 -6.09	64.45 -0.99 -7.41	76.17 -1.14 -9.96	73.80 -1.13 -8.72	64.59 -1.03 -8.21	61.89 -1.05 -7.61	60.46 -1.32 -6.58	56.96 -1.43 -3.29	54.71 -1.48 -1.21
NEG CENTRAL___INDECK 23768	49.68 -2.29 0.00	47.44 -2.13 0.00	45.23 -2.38 0.00	45.99 -2.52 0.00	46.27 -2.48 0.00	47.33 -2.60 0.00	47.27 -2.38 -0.03	54.80 -2.70 -3.53	60.14 -2.47 -7.79	88.40 -2.26 -35.57	94.22 -2.05 -40.94	94.99 -1.99 -41.60	94.11 -2.37 -41.22	93.64 -2.54 -40.98	94.86 -2.60 -42.19	97.17 -1.99 -43.79	104.72 -1.39 -48.09	123.59 -1.55 -57.78	119.45 -1.52 -54.77	105.63 -1.43 -49.64	97.74 -1.33 -43.74	98.23 -1.82 -44.85	69.97 -2.09 -16.97	54.55 -2.09 -1.66
NEG CENTRAL___SENECA 23627	50.10 -1.87 0.00	47.84 -1.74 0.00	45.75 -1.86 0.00	46.57 -1.94 0.00	46.86 -1.90 0.00	47.93 -2.00 0.00	47.81 -1.84 -0.03	52.61 -1.94 -0.58	54.20 -2.14 -1.52	59.53 -1.87 -6.30	61.32 -1.71 -7.72	61.66 -1.55 -7.83	61.19 -1.77 -7.70	60.86 -1.93 -7.59	61.62 -1.93 -8.30	62.67 -1.66 -8.96	67.23 -1.39 -10.60	79.62 -1.55 -13.82	77.04 -1.52 -12.37	67.56 -1.38 -11.52	64.49 -1.38 -10.55	63.03 -1.71 -9.53	57.67 -1.87 -4.45	54.53 -1.81 -1.37
NEG CENTRAL___STATE_STREET 24147	50.98 -0.99 0.00	48.68 -0.89 0.00	46.66 -0.95 0.00	47.54 -0.97 0.00	47.78 -0.98 0.00	48.98 -0.95 0.00	48.80 -0.84 -0.02	53.21 -0.76 0.00	54.37 -0.71 -0.26	55.08 -0.50 -0.48	56.04 -0.33 -1.05	56.21 -0.22 -1.05	55.85 -0.39 -0.98	55.61 -0.50 -0.90	56.21 -0.50 -1.45	56.99 -0.28 -1.89	60.87 -0.06 -2.91	71.88 -0.13 -4.67	69.76 -0.07 -3.63	60.93 -0.11 -3.63	58.79 -0.17 -3.63	57.15 -0.39 -2.33	56.34 -0.55 -1.80	55.51 -0.66 -1.19
NEG MILLWOOD___DRP 24198	55.86 3.90 0.00	53.19 3.62 0.00	51.04 3.43 0.00	52.20 3.69 0.00	52.42 3.66 0.00	53.69 3.74 -0.02	53.67 3.87 -0.18	58.29 4.32 0.00	61.11 4.33 -1.97	63.45 4.74 -3.62	68.35 5.03 -8.00	68.50 5.10 -8.02	67.71 4.97 -7.48	66.94 4.86 -6.87	71.25 4.92 -11.07	74.76 5.04 -14.34	85.48 5.45 -22.00	109.43 6.67 -35.41	100.26 6.36 -27.71	90.29 5.40 -27.48	87.79 4.98 -27.48	77.69 4.86 -17.62	73.48 4.79 -13.59	68.50 4.51 -9.01
NEG NORTH_FLCN_SEA 23793	52.12 0.16 0.00	49.72 0.15 0.00	47.71 0.10 0.00	48.47 -0.05 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	48.92 -0.69 0.00	53.37 -0.59 0.00	54.22 -0.60 0.00	54.11 -0.99 0.00	54.16 -1.16 0.00	54.17 -1.22 0.00	54.04 -1.22 0.00	54.05 -1.16 0.00	53.93 -1.33 0.00	53.99 -1.38 0.00	56.57 -1.45 0.00	66.07 -1.28 0.00	65.34 -0.86 0.00	56.67 -0.75 0.00	54.72 -0.61 0.00	54.82 -0.39 0.00	54.77 -0.33 0.00	55.37 0.38 0.00
NEG NORTH_KES_CHATEGAY 23792	51.60 -0.36 0.00	49.23 -0.35 0.00	47.23 -0.38 0.00	48.03 -0.49 0.00	48.17 -0.59 0.00	49.37 -0.55 0.00	48.82 -0.79 0.00	53.21 -0.76 0.00	54.05 -0.77 0.00	53.88 -1.21 0.00	53.88 -1.44 0.00	53.89 -1.50 0.00	53.82 -1.44 0.00	53.83 -1.38 0.00	53.77 -1.49 0.00	53.77 -1.61 0.00	56.34 -1.68 0.00	65.73 -1.62 0.00	65.01 -1.19 0.00	56.38 -1.03 0.00	54.45 -0.89 0.00	54.54 -0.66 0.00	54.55 -0.55 0.00	54.76 -0.22 0.00
NEG NORTH___ALICE_FALLS 23915	52.33 0.36 0.00	49.92 0.35 0.00	47.90 0.29 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.22 -0.40 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.61 0.00	54.60 -0.72 0.00	54.67 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.98 -1.04 0.00	66.54 -0.81 0.00	65.87 -0.33 0.00	57.13 -0.29 0.00	55.11 -0.22 0.00	55.26 0.06 0.00	55.21 0.11 0.00	55.64 0.66 0.00
NEG NORTH___LWR_SARANAC 23913	52.33 0.36 0.00	49.92 0.35 0.00	47.90 0.29 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.22 -0.40 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.61 0.00	54.60 -0.72 0.00	54.67 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.98 -1.04 0.00	66.54 -0.81 0.00	65.87 -0.33 0.00	57.13 -0.29 0.00	55.11 -0.22 0.00	55.26 0.06 0.00	55.21 0.11 0.00	55.64 0.66 0.00
NEG NORTH___PLATTSBURG 23628	52.33 0.37 0.00	49.92 0.35 0.00	47.90 0.29 0.00	48.66 0.15 0.00	48.81 0.05 0.00	49.97 0.05 0.00	49.12 -0.50 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.60 0.00	54.60 -0.72 0.00	54.66 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.77 0.00	54.32 -0.94 0.00	54.38 -1.00 0.00	56.98 -1.04 0.00	66.55 -0.81 0.00	65.87 -0.33 0.00	57.13 -0.29 0.00	55.11 -0.22 0.00	55.26 0.06 0.00	55.21 0.11 0.00	55.59 0.61 0.00
NEG WEST_LEA_LOCKPORT 23791	45.63 -6.34 0.00	43.82 -5.75 0.00	41.71 -5.90 0.00	42.30 -6.21 0.00	42.66 -6.09 0.00	43.49 -6.44 0.00	42.85 -6.80 -0.03	45.88 -7.34 0.75	46.37 -7.18 1.27	41.46 -6.78 6.86	41.56 -6.36 7.40	41.45 -6.37 7.56	41.17 -6.52 7.57	40.78 -6.85 7.58	41.29 -6.80 7.17	42.29 -6.53 6.55	45.77 -6.32 5.93	53.56 -8.15 5.64	51.98 -7.94 6.28	45.40 -6.83 5.19	45.26 -6.14 3.93	42.54 -6.57 6.09	47.54 -6.61 0.95	49.42 -6.98 -1.42
NEG WEST___LANCASTER 23811	47.29 -4.68 0.00	45.41 -4.16 0.00	43.23 -4.38 0.00	43.81 -4.71 0.00	44.18 -4.58 0.00	45.04 -4.89 0.00	44.54 -5.11 -0.03	47.70 -5.50 0.76	46.63 -6.96 1.23	41.35 -6.89 6.86	41.27 -6.75 7.30	41.21 -6.70 7.47	40.97 -6.80 7.50	40.85 -6.85 7.51	41.41 -6.85 7.00	42.45 -6.70 6.23	45.80 -6.85 5.38	55.01 -7.61 4.73	53.28 -7.35 5.57	46.41 -6.55 4.46	45.45 -6.70 3.19	42.80 -6.74 5.67	47.53 -7.00 0.57	51.62 -5.06 -1.69
NEG_PENN_ALLEGHNY 23528	51.24 -0.73 0.00	48.93 -0.65 0.00	46.90 -0.71 0.00	47.79 -0.73 0.00	48.03 -0.73 0.00	49.18 -0.75 -0.01	49.04 -0.65 -0.07	53.32 -0.65 0.00	54.73 -0.82 -0.73	55.88 -0.55 -1.33	57.50 -0.44 -2.62	57.65 -0.33 -2.59	57.18 -0.50 -2.42	56.92 -0.55 -2.27	58.33 -0.55 -3.62	60.26 -0.38 -5.27	65.95 -0.23 -8.16	79.92 -0.20 -12.77	76.22 -0.26 -10.29	67.38 -0.23 -10.20	65.20 -0.33 -10.20	61.24 -0.50 -6.53	59.59 -0.55 -5.05	57.89 -0.44 -3.35
NEG___GEN_MONROE 24207	48.02 -3.95 0.00	45.95 -3.62 0.00	43.95 -3.67 0.00	44.68 -3.83 0.00	45.00 -3.75 0.00	46.03 -3.89 0.00	45.60 -4.02 0.00	49.44 -4.53 0.00	50.71 -4.11 0.00	51.38 -3.75 -0.03	52.96 -3.32 -0.96	53.13 -3.32 -1.07	52.72 -3.54 -1.00	52.18 -3.81 -0.78	52.81 -3.81 -1.36	52.05 -3.49 -0.16	54.80 -3.25 -0.03	64.17 -4.24 -1.06	62.13 -4.10 -0.03	53.77 -3.67 -0.03	52.09 -3.26 -0.02	51.48 -3.75 -0.03	51.25 -3.86 -0.01	50.86 -4.12 0.00



NEPA___ENERGY 23901	46.15 -5.82 0.00	44.32 -5.25 0.00	42.14 -5.48 0.00	42.69 -5.82 0.00	43.05 -5.70 0.00	43.94 -5.99 0.00	43.35 -6.30 -0.03	46.28 -6.64 1.05	46.10 -6.85 1.87	38.46 -6.83 9.80	38.15 -6.47 10.69	37.99 -6.48 10.92	37.77 -6.58 10.91	37.34 -6.96 10.91	37.87 -6.91 10.49	38.91 -6.65 9.82	42.58 -6.15 9.30	50.39 -7.54 9.42	48.89 -7.28 10.03	42.61 -6.32 8.49	42.63 -5.98 6.72	39.63 -6.24 9.34	46.78 -6.39 1.93	50.30 -6.27 -1.59
NEVERSink___HYD 23608	55.55 3.58 0.00	52.89 3.32 0.00	50.75 3.14 0.00	51.77 3.25 0.00	52.03 3.27 0.00	53.34 3.40 -0.02	53.37 3.57 -0.18	57.91 3.94 0.00	60.77 4.06 -1.90	62.99 4.41 -3.49	66.99 4.43 -7.25	67.03 4.43 -7.21	66.18 4.20 -6.72	65.60 4.14 -6.25	69.46 4.20 -10.00	73.69 4.54 -13.77	84.29 5.05 -21.22	107.26 6.26 -33.64	98.98 6.02 -26.76	89.15 5.22 -26.51	86.49 4.65 -26.51	76.73 4.53 -17.00	72.62 4.41 -13.11	67.97 4.29 -8.69
NEWKRMKL_115KV_TB1 55635	54.25 2.29 0.00	51.75 2.18 0.00	49.75 2.14 0.00	50.70 2.18 0.00	51.00 2.24 0.00	52.29 2.30 -0.07	52.39 2.23 -0.54	56.23 2.27 0.00	62.85 2.30 -5.73	68.07 2.42 -10.54	69.72 2.66 -11.74	68.57 2.71 -10.47	67.73 2.71 -9.76	68.61 2.71 -10.70	73.62 2.65 -15.71	98.10 2.55 -40.17	124.82 2.67 -64.13	160.84 3.03 -90.46	150.58 2.91 -81.47	140.11 2.58 -80.11	137.87 2.43 -80.11	109.00 2.43 -51.37	97.14 2.42 -39.62	83.83 2.58 -26.27
NEWTON___FALLS_HYD 23847	50.51 -1.46 0.00	48.28 -1.29 0.00	46.23 -1.38 0.00	47.06 -1.46 0.00	47.20 -1.56 0.00	48.33 -1.60 0.00	48.18 -1.44 0.00	52.57 -1.40 0.00	53.34 -1.48 0.00	53.44 -1.65 0.00	53.69 -1.83 -0.19	53.83 -1.77 -0.21	53.47 -1.99 -0.20	53.37 -1.99 -0.15	53.60 -1.93 -0.27	53.69 -1.72 -0.03	56.28 -1.74 0.00	65.81 -1.75 -0.21	64.48 -1.72 0.00	55.81 -1.61 0.00	53.78 -1.55 0.00	53.77 -1.44 0.00	53.66 -1.43 0.00	53.50 -1.48 0.00
NGRID_A1_DSASP 323792	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.68 -6.84 0.00	42.03 -6.73 0.00	42.89 -7.04 0.00	42.36 -7.29 -0.03	44.79 -8.42 0.76	45.79 -7.73 1.30	40.67 -7.38 7.05	40.60 -7.08 7.64	40.54 -7.03 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.97 -6.96 6.09	52.69 -8.82 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.85 -7.27 0.97	48.73 -7.70 -1.45
NGRID_A2_DSASP 323793	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.68 -6.84 0.00	42.03 -6.73 0.00	42.89 -7.04 0.00	42.36 -7.29 -0.03	44.79 -8.42 0.76	45.79 -7.73 1.30	40.67 -7.38 7.05	40.60 -7.08 7.64	40.54 -7.03 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.97 -6.96 6.09	52.69 -8.82 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.85 -7.27 0.97	48.73 -7.70 -1.45
NGRID_A4_DSASP 323807	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.68 -6.84 0.00	42.03 -6.73 0.00	42.89 -7.04 0.00	42.36 -7.29 -0.03	44.79 -8.42 0.76	45.79 -7.73 1.30	40.67 -7.38 7.05	40.60 -7.08 7.64	40.54 -7.03 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.97 -6.96 6.09	52.69 -8.82 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.85 -7.27 0.97	48.73 -7.70 -1.45
NIAGARA_115E_LBMP 323715	44.74 -7.22 0.00	43.03 -6.54 0.00	40.95 -6.67 0.00	41.53 -6.99 0.00	41.88 -6.87 0.00	42.74 -7.19 0.00	42.25 -7.39 -0.03	45.45 -7.77 0.74	45.79 -7.78 1.24	41.07 -7.33 6.70	41.03 -7.03 7.27	40.92 -7.03 7.43	40.75 -7.07 7.44	40.37 -7.40 7.44	40.86 -7.35 7.05	41.89 -7.14 6.34	45.44 -6.91 5.68	53.00 -8.96 5.40	51.34 -8.87 5.99	44.97 -7.52 4.92	44.94 -6.70 3.69	42.16 -7.18 5.87	47.02 -7.22 0.86	48.52 -7.92 -1.45
NIAGARA_115W_LBMP 323714	44.79 -7.17 0.00	43.13 -6.44 0.00	40.99 -6.62 0.00	41.63 -6.89 0.00	41.93 -6.83 0.00	42.84 -7.09 0.00	42.30 -7.34 -0.03	44.74 -8.47 0.76	45.74 -7.78 1.29	40.71 -7.38 7.00	40.65 -7.08 7.59	40.53 -7.09 7.77	40.36 -7.13 7.77	39.98 -7.45 7.77	40.48 -7.40 7.38	41.50 -7.20 6.68	44.96 -7.02 6.04	52.67 -8.89 5.78	51.01 -8.80 6.39	44.62 -7.52 5.27	44.53 -6.81 3.99	41.82 -7.18 6.21	46.87 -7.27 0.95	48.62 -7.81 -1.44
NIAGARA_230_LBMP 323716	45.37 -6.60 0.00	43.62 -5.95 0.00	41.52 -6.09 0.00	42.16 -6.35 0.00	42.47 -6.29 0.00	43.34 -6.59 0.00	42.85 -6.80 -0.03	45.36 -7.88 0.72	45.87 -7.73 1.22	41.03 -7.38 6.68	40.99 -7.08 7.25	40.94 -7.03 7.41	40.77 -7.07 7.42	40.39 -7.40 7.42	40.88 -7.35 7.03	41.91 -7.14 6.32	45.40 -6.96 5.66	53.15 -8.82 5.38	51.49 -8.74 5.97	45.05 -7.46 4.90	44.90 -6.75 3.67	42.18 -7.18 5.85	46.98 -7.27 0.84	49.26 -7.15 -1.42
NIAGARA___115KV_198_GIBSON 55903	44.80 -7.17 0.00	43.08 -6.49 0.00	40.99 -6.62 0.00	41.63 -6.89 0.00	41.93 -6.83 0.00	42.79 -7.14 0.00	42.11 -7.54 -0.03	45.27 -7.93 0.76	45.74 -7.78 1.29	40.71 -7.38 7.00	40.76 -6.97 7.59	40.64 -6.98 7.77	40.42 -7.07 7.77	39.98 -7.45 7.77	40.48 -7.40 7.38	41.50 -7.20 6.68	44.97 -7.02 6.04	52.61 -8.96 5.78	51.07 -8.74 6.39	44.62 -7.52 5.27	44.54 -6.81 3.99	41.76 -7.23 6.21	46.93 -7.22 0.95	48.62 -7.81 -1.44
NIAGARA____ 23760	45.37 -6.60 0.00	43.62 -5.95 0.00	41.52 -6.09 0.00	42.16 -6.35 0.00	42.47 -6.29 0.00	43.34 -6.59 0.00	42.85 -6.80 -0.03	45.36 -7.88 0.73	45.87 -7.73 1.22	41.03 -7.38 6.68	40.99 -7.08 7.25	40.94 -7.03 7.41	40.77 -7.07 7.42	40.39 -7.40 7.42	40.88 -7.35 7.03	41.91 -7.14 6.32	45.40 -6.96 5.66	53.15 -8.82 5.38	51.49 -8.74 5.97	45.05 -7.46 4.91	44.90 -6.75 3.67	42.18 -7.18 5.85	46.98 -7.27 0.84	49.28 -7.15 -1.44
NINE_MILE_1 23575	49.68 -2.29 0.00	47.44 -2.13 0.00	45.52 -2.09 0.00	46.38 -2.13 0.00	46.61 -2.14 0.00	47.73 -2.20 0.00	47.49 -2.13 0.00	51.65 -2.32 0.00	52.52 -2.30 0.00	52.89 -2.21 0.00	53.69 -2.10 -0.47	53.86 -2.05 -0.52	53.65 -2.10 -0.49	53.43 -2.15 -0.38	53.77 -2.16 -0.67	53.39 -2.05 -0.07	55.99 -2.03 0.00	65.44 -2.42 -0.51	63.75 -2.45 0.00	55.29 -2.12 0.00	53.29 -2.05 0.00	53.05 -2.15 0.00	52.89 -2.21 0.00	52.73 -2.26 0.00
NINE_MILE_2 23744	49.68 -2.29 0.00	47.44 -2.13 0.00	45.52 -2.09 0.00	46.38 -2.13 0.00	46.61 -2.14 0.00	47.73 -2.20 0.00	47.49 -2.13 0.00	51.65 -2.32 0.00	52.52 -2.30 0.00	52.89 -2.21 0.00	53.68 -2.10 -0.47	53.86 -2.05 -0.52	53.65 -2.10 -0.48	53.43 -2.15 -0.38	53.77 -2.16 -0.67	53.39 -2.05 -0.07	55.99 -2.03 0.00	65.44 -2.42 -0.51	63.75 -2.45 0.00	55.29 -2.12 0.00	53.29 -2.05 0.00	53.05 -2.15 0.00	52.89 -2.21 0.00	52.73 -2.26 0.00
NM_CAPITAL___DRP 24208	54.25 2.29 0.00	51.75 2.18 0.00	49.75 2.14 0.00	50.70 2.18 0.00	51.00 2.24 0.00	52.29 2.30 -0.07	52.38 2.23 -0.53	56.29 2.32 0.00	62.78 2.30 -5.66	67.98 2.48 -10.41	69.66 2.66 -11.69	68.55 2.71 -10.45	67.71 2.71 -9.74	68.55 2.71 -10.64	73.56 2.65 -15.65	97.59 2.55 -39.67	123.99 2.67 -63.30	159.78 3.03 -89.40	149.58 2.98 -80.40	139.07 2.58 -79.07	136.83 2.43 -79.07	108.34 2.43 -50.70	96.63 2.42 -39.11	83.49 2.58 -25.93



NM_CENTRAL___DRP 24181	50.62 -1.35 0.00	48.33 -1.24 0.00	46.33 -1.29 0.00	47.20 -1.31 0.00	47.49 -1.27 0.00	48.62 -1.30 0.00	48.38 -1.24 0.00	52.73 -1.24 0.00	53.61 -1.21 0.00	54.11 -0.99 0.00	55.09 -0.89 -0.66	55.34 -0.78 -0.73	55.06 -0.88 -0.68	54.80 -0.94 -0.53	55.26 -0.94 -0.94	54.64 -0.83 -0.09	57.33 -0.70 0.00	67.20 -0.88 -0.72	65.27 -0.93 0.00	56.61 -0.80 0.00	54.56 -0.77 0.00	54.27 -0.94 0.00	54.05 -1.05 0.00	53.83 -1.15 0.00
NM_FRONTIER___DRP 24179	44.80 -7.17 0.00	43.08 -6.49 0.00	40.99 -6.62 0.00	41.63 -6.89 0.00	41.93 -6.83 0.00	42.79 -7.14 0.00	42.11 -7.54 -0.03	45.27 -7.93 0.76	45.74 -7.78 1.29	40.71 -7.38 7.00	40.76 -6.97 7.59	40.64 -6.98 7.77	40.42 -7.07 7.77	39.98 -7.45 7.77	40.48 -7.40 7.38	41.50 -7.20 6.68	44.97 -7.02 6.04	52.61 -8.96 5.78	51.07 -8.74 6.39	44.62 -7.52 5.27	44.54 -6.81 3.99	41.76 -7.23 6.21	46.93 -7.22 0.95	48.62 -7.81 -1.44
NM_ST_REGIS___HYD 24053	51.03 -0.94 0.00	48.78 -0.79 0.00	46.75 -0.86 0.00	47.50 -1.02 0.00	47.69 -1.07 0.00	48.82 -1.10 0.00	48.43 -1.19 0.00	52.83 -1.13 0.00	53.67 -1.15 0.00	53.55 -1.54 0.00	53.55 -1.77 0.00	53.61 -1.77 0.00	53.44 -1.82 0.00	53.44 -1.77 0.00	53.38 -1.88 0.00	53.44 -1.94 0.00	55.88 -2.15 0.00	65.20 -2.16 0.00	64.41 -1.79 0.00	55.81 -1.61 0.00	53.78 -1.55 0.00	53.94 -1.27 0.00	53.88 -1.21 0.00	53.94 -1.04 0.00
NORTHPORT___1 23551	67.26 5.25 -10.05	62.57 5.00 -7.99	52.48 4.86 -0.01	53.66 5.14 -0.01	54.48 5.12 -0.60	57.14 5.29 -1.93	61.67 5.41 -6.64	67.58 6.04 -7.57	70.40 6.08 -9.50	73.17 6.44 -11.63	85.81 6.64 -23.86	83.03 6.37 -21.28	78.73 6.30 -17.18	80.72 6.29 -19.23	83.59 6.74 -21.59	94.53 6.75 -32.40	124.52 6.96 -59.54	136.05 8.01 -60.69	131.08 7.68 -57.21	120.89 6.66 -56.82	111.63 6.42 -49.88	111.49 6.35 -49.94	89.18 6.50 -27.59	80.90 6.43 -19.48
NORTHPORT___2 23552	67.26 5.25 -10.05	62.57 5.00 -7.99	52.48 4.86 -0.01	53.66 5.14 -0.01	54.48 5.12 -0.60	57.14 5.29 -1.93	61.67 5.41 -6.64	67.58 6.04 -7.57	70.40 6.08 -9.50	73.17 6.44 -11.63	85.81 6.64 -23.86	83.03 6.37 -21.28	78.73 6.30 -17.18	80.72 6.29 -19.23	83.59 6.74 -21.59	94.53 6.75 -32.40	124.52 6.96 -59.54	136.05 8.01 -60.69	131.08 7.68 -57.21	120.89 6.66 -56.82	111.63 6.42 -49.88	111.49 6.35 -49.94	89.18 6.50 -27.59	80.90 6.43 -19.48
NORTHPORT___3 23553	66.51 4.41 -10.13	61.74 4.11 -8.06	51.57 3.95 -0.01	52.79 4.27 -0.01	53.60 4.24 -0.61	56.21 4.34 -1.95	60.82 4.51 -6.69	66.62 5.02 -7.63	69.42 5.04 -9.56	72.24 5.46 -11.69	84.98 5.70 -23.96	82.21 5.54 -21.28	77.95 5.47 -17.22	79.88 5.41 -19.26	82.69 5.75 -21.68	93.77 5.87 -32.53	124.02 6.15 -59.85	134.98 6.73 -60.90	130.40 6.76 -57.45	120.44 5.97 -57.06	111.05 5.65 -50.07	110.94 5.57 -50.16	88.36 5.56 -27.70	80.00 5.44 -19.57
NORTHPORT___4 23650	66.51 4.41 -10.13	61.74 4.11 -8.06	51.57 3.95 -0.01	52.79 4.27 -0.01	53.60 4.24 -0.61	56.21 4.34 -1.95	60.82 4.51 -6.69	66.62 5.02 -7.63	69.42 5.04 -9.56	72.24 5.46 -11.69	84.98 5.70 -23.96	82.21 5.54 -21.28	77.95 5.47 -17.22	79.88 5.41 -19.26	82.69 5.75 -21.68	93.77 5.87 -32.53	124.02 6.15 -59.85	134.98 6.73 -60.90	130.40 6.76 -57.45	120.44 5.97 -57.06	111.05 5.65 -50.07	110.94 5.57 -50.16	88.36 5.56 -27.70	80.00 5.44 -19.57
NORTHPORT___IC 23718	67.26 5.25 -10.05	62.62 5.06 -7.99	52.48 4.86 -0.01	53.67 5.14 -0.01	54.53 5.17 -0.60	57.15 5.29 -1.93	61.66 5.41 -6.64	67.58 6.04 -7.57	70.40 6.08 -9.50	72.95 6.23 -11.63	85.65 6.47 -23.86	82.93 6.26 -21.28	78.90 6.47 -17.18	80.73 6.29 -19.23	83.65 6.80 -21.59	94.53 6.76 -32.40	124.52 6.96 -59.53	136.05 8.01 -60.69	131.09 7.68 -57.21	120.89 6.66 -56.82	111.63 6.42 -49.88	111.55 6.40 -49.94	89.18 6.50 -27.58	80.89 6.43 -19.48
NORTH___COUNTRY_ESR 323785	51.45 -0.52 0.00	49.08 -0.50 0.00	47.09 -0.52 0.00	47.88 -0.63 0.00	48.08 -0.68 0.00	49.22 -0.70 0.00	48.63 -0.99 0.00	53.05 -0.92 0.00	53.89 -0.93 0.00	53.77 -1.32 0.00	53.77 -1.55 0.00	53.78 -1.61 0.00	53.66 -1.60 0.00	53.66 -1.55 0.00	53.60 -1.66 0.00	53.60 -1.77 0.00	56.11 -1.91 0.00	65.53 -1.82 0.00	64.74 -1.46 0.00	56.15 -1.26 0.00	54.22 -1.11 0.00	54.32 -0.89 0.00	54.33 -0.77 0.00	54.54 -0.44 0.00
NPX_GEN_1385_PROXY 323591	68.09 6.08 -10.05	64.71 6.40 -8.74	61.50 6.14 -7.74	61.10 6.45 -6.13	65.70 6.44 -10.51	70.00 6.64 -13.44	70.70 6.75 -14.33	79.49 7.50 -18.02	74.98 7.57 -12.59	74.71 7.99 -11.63	87.03 7.85 -23.86	83.82 7.15 -21.28	79.51 7.08 -17.18	81.50 7.07 -19.23	84.98 8.13 -21.59	95.20 7.42 -32.40	124.70 7.13 -59.54	136.12 8.08 -60.69	130.62 7.22 -57.21	120.89 6.66 -56.82	112.02 6.80 -49.88	111.38 6.24 -49.94	90.12 7.44 -27.59	82.00 7.53 -19.48
NPX_GEN_CSC 323557	68.11 5.97 -10.17	63.26 5.60 -8.09	53.00 5.38 -0.01	54.10 5.58 -0.01	55.02 5.65 -0.61	57.71 5.84 -1.95	62.39 6.05 -6.72	68.43 6.80 -7.66	71.26 6.85 -9.59	73.93 7.11 -11.72	86.57 7.25 -24.01	83.65 6.98 -21.28	79.35 6.85 -17.24	81.38 6.90 -19.27	84.39 7.41 -21.72	95.67 7.69 -32.60	126.21 8.18 -60.00	138.05 9.70 -61.00	133.11 9.34 -57.57	122.40 7.81 -57.18	113.02 7.52 -50.16	113.04 7.56 -50.27	90.29 7.44 -27.76	82.01 7.42 -19.61
NSINS_S___GLNS_FALLS 23858	55.86 3.90 0.00	53.14 3.57 0.00	51.04 3.43 0.00	51.91 3.40 0.00	52.27 3.51 0.00	53.92 3.89 -0.10	54.22 3.82 -0.78	58.07 4.10 0.00	67.54 4.44 -8.28	74.86 4.52 -15.24	72.81 4.48 -13.01	70.66 4.54 -10.73	69.74 4.48 -10.00	71.95 4.47 -12.27	76.79 4.48 -17.05	117.42 4.54 -57.51	155.53 4.82 -92.69	199.33 5.59 -126.39	189.68 5.49 -117.99	178.02 4.82 -115.78	175.71 4.59 -115.78	133.92 4.47 -74.25	116.71 4.35 -57.26	97.18 4.23 -37.97
NUCOR_STEEL___DRP 24197	51.08 -0.88 0.00	48.73 -0.84 0.00	46.75 -0.86 0.00	47.64 -0.87 0.00	47.88 -0.88 0.00	49.02 -0.90 0.00	48.82 -0.79 0.00	53.27 -0.70 0.00	54.16 -0.66 0.00	54.66 -0.44 0.00	55.95 -0.28 -0.90	56.17 -0.22 -1.01	55.87 -0.33 -0.94	55.49 -0.44 -0.73	56.16 -0.39 -1.29	55.28 -0.22 -0.13	57.97 -0.06 0.00	68.28 -0.07 -0.99	66.13 -0.07 0.00	57.30 -0.11 0.00	55.22 -0.11 0.00	54.87 -0.33 0.00	54.66 -0.44 0.00	54.43 -0.55 0.00
NUMBER_THREE_WT_PWR 323818	51.40 -0.57 0.00	49.17 -0.40 0.00	47.09 -0.52 0.00	47.93 -0.58 0.00	48.12 -0.64 0.00	49.27 -0.65 0.00	49.27 -0.34 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.93 -0.16 0.00	55.30 -0.28 -0.26	55.40 -0.28 -0.29	54.92 -0.61 -0.27	54.81 -0.61 -0.21	55.19 -0.44 -0.37	55.36 -0.06 -0.04	58.14 0.12 0.00	67.97 0.34 -0.28	66.46 0.27 0.00	57.47 0.06 0.00	55.33 0.00 0.00	55.15 -0.06 0.00	54.99 -0.11 0.00	54.65 -0.33 0.00
NYISO_LBMP_REFERENCE 24008	51.97 0.00 0.00	49.57 0.00 0.00	47.61 0.00 0.00	48.51 0.00 0.00	48.76 0.00 0.00	49.92 0.00 0.00	49.62 0.00 0.00	53.97 0.00 0.00	54.82 0.00 0.00	55.10 0.00 0.00	55.32 0.00 0.00	55.39 0.00 0.00	55.26 0.00 0.00	55.21 0.00 0.00	55.26 0.00 0.00	55.38 0.00 0.00	58.02 0.00 0.00	67.35 0.00 0.00	66.20 0.00 0.00	57.42 0.00 0.00	55.33 0.00 0.00	55.21 0.00 0.00	55.10 0.00 0.00	54.98 0.00 0.00



NYPA_BRENTWD____GT 24164	67.99 5.72 -10.31	63.18 5.40 -8.20	52.81 5.19 -0.01	53.96 5.43 -0.01	54.84 5.46 -0.62	57.54 5.64 -1.98	62.23 5.80 -6.81	68.21 6.47 -7.77	71.03 6.52 -9.70	73.82 6.89 -11.84	86.59 7.08 -24.19	83.53 6.87 -21.28	79.37 6.80 -17.31	81.32 6.79 -19.33	84.37 7.24 -21.87	95.57 7.37 -32.83	125.93 7.37 -60.54	137.27 8.55 -61.37	132.40 8.21 -58.00	122.08 7.06 -57.60	112.73 6.92 -50.49	112.94 7.07 -50.66	90.17 7.11 -27.96	81.73 6.98 -19.76
NYPA_GOWANUS____GT5 24156	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NYPA_GOWANUS____GT6 24157	69.98 4.10 -13.91	67.64 3.72 -14.35	67.58 3.62 -16.36	66.47 3.93 -14.03	66.47 3.90 -13.81	67.49 4.04 -13.53	67.54 4.22 -13.70	71.22 4.58 -12.66	72.27 4.61 -12.84	72.32 5.07 -12.15	102.44 5.42 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.80 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.66	284.27 6.94 -209.98	275.21 6.68 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.25 5.30 -122.74	73.54 5.12 -13.32	70.93 5.00 -10.95
NYPA_HARLEM__RVR__GT1 24160	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.79 4.06 -1.92	63.21 4.57 -3.55	70.25 4.98 -9.95	76.16 5.04 -15.74	70.39 4.98 -10.15	71.93 4.91 -11.81	71.16 4.92 -10.98	75.70 5.04 -15.29	85.03 5.45 -21.55	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	80.18 4.80 -20.17	73.09 4.68 -13.32	68.50 4.67 -8.85
NYPA_HARLEM__RVR__GT2 24161	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.79 4.06 -1.92	63.21 4.57 -3.55	70.25 4.98 -9.95	76.16 5.04 -15.74	70.39 4.98 -10.15	71.93 4.91 -11.81	71.16 4.92 -10.98	75.70 5.04 -15.29	85.03 5.45 -21.55	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	80.18 4.80 -20.17	73.09 4.68 -13.32	68.50 4.67 -8.85
NYPA_KENT____GT 24152	63.88 3.95 -7.97	61.41 3.62 -8.22	60.50 3.52 -9.37	60.34 3.79 -8.03	60.43 3.75 -7.91	61.57 3.90 -7.75	61.56 4.02 -7.92	65.65 4.43 -7.25	67.43 4.44 -8.18	68.48 4.90 -8.48	89.43 5.26 -28.85	158.12 5.32 -97.41	96.18 5.19 -35.73	118.96 5.14 -58.62	71.56 5.14 -11.16	87.54 5.26 -26.90	142.51 5.63 -78.86	209.11 6.67 -135.09	200.05 6.42 -127.43	159.65 5.51 -96.72	182.67 5.15 -122.20	140.23 5.08 -79.95	73.37 4.96 -13.32	69.87 4.84 -10.04
NYPA_POUCH1____GT 24155	69.88 4.00 -13.91	67.59 3.67 -14.35	67.54 3.57 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.58 -12.66	72.21 4.55 -12.84	72.21 4.96 -12.15	102.32 5.31 -41.69	214.28 5.37 -153.53	113.62 5.25 -53.11	150.82 5.19 -90.43	71.68 5.14 -11.28	95.48 5.32 -34.79	185.43 5.75 -121.66	284.13 6.80 -209.98	275.08 6.56 -202.32	211.89 5.63 -148.84	253.93 5.26 -193.34	183.14 5.19 -122.74	73.48 5.07 -13.32	70.88 4.95 -10.95
NYPA_VERNON____GT2 24162	57.84 3.85 -2.03	55.13 3.47 -2.09	53.37 3.38 -2.38	54.20 3.64 -2.04	54.38 3.61 -2.01	55.65 3.75 -1.98	55.63 3.87 -2.14	60.07 4.26 -1.84	62.61 4.28 -3.51	64.64 4.74 -4.80	76.41 5.09 -16.00	101.78 5.09 -41.30	78.64 5.03 -18.35	86.99 4.97 -26.81	71.28 4.98 -11.04	79.48 5.09 -19.01	99.54 5.45 -36.07	134.01 6.47 -60.20	124.96 6.22 -52.54	107.36 5.34 -44.60	111.37 4.98 -51.05	97.27 4.91 -37.15	73.20 4.79 -13.32	68.74 4.62 -9.14
NYPA_VERNON____GT3 24163	57.84 3.85 -2.03	55.13 3.47 -2.09	53.37 3.38 -2.38	54.20 3.64 -2.04	54.38 3.61 -2.01	55.65 3.75 -1.98	55.63 3.87 -2.14	60.07 4.26 -1.84	62.61 4.28 -3.51	64.64 4.74 -4.80	76.41 5.09 -16.00	101.78 5.09 -41.30	78.64 5.03 -18.35	86.99 4.97 -26.81	71.28 4.98 -11.04	79.48 5.09 -19.01	99.54 5.45 -36.07	134.01 6.47 -60.20	124.96 6.22 -52.54	107.36 5.34 -44.60	111.37 4.98 -51.05	97.27 4.91 -37.15	73.20 4.79 -13.32	68.74 4.62 -9.14
NYPA__ASTORIA_CC1 323568	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	72.00 5.03 -11.65	82.69 5.04 -22.26	72.69 4.98 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	84.97 5.40 -21.55	108.54 6.40 -34.79	99.49 6.16 -27.13	89.61 5.28 -26.92	87.17 4.92 -26.92	82.70 4.86 -22.63	73.15 4.74 -13.32	68.43 4.62 -8.83
NYPA__ASTORIA_CC2 323569	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	60.96 4.22 -1.92	63.33 4.68 -3.55	72.00 5.03 -11.65	82.69 5.04 -22.26	72.69 4.98 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	84.97 5.40 -21.55	108.54 6.40 -34.79	99.49 6.16 -27.13	89.61 5.28 -26.92	87.17 4.92 -26.92	82.70 4.86 -22.63	73.15 4.74 -13.32	68.43 4.62 -8.83
NYPA__HOLTSVILL 23794	67.58 5.46 -10.15	62.81 5.16 -8.08	52.57 4.95 -0.01	53.72 5.19 -0.01	54.59 5.22 -0.61	57.27 5.39 -1.95	61.88 5.56 -6.71	67.82 6.20 -7.65	70.64 6.25 -9.58	73.42 6.61 -11.71	86.06 6.75 -23.99	83.20 6.53 -21.28	78.95 6.46 -17.23	80.93 6.46 -19.27	83.87 6.91 -21.71	95.04 7.09 -32.58	125.40 7.43 -59.95	137.01 8.69 -60.97	132.07 8.34 -57.53	121.67 7.12 -57.14	112.27 6.80 -50.13	112.28 6.84 -50.23	89.67 6.83 -27.74	81.29 6.71 -19.60
NYPA__HELLGATE_GT1 24158	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.79 4.06 -1.92	63.21 4.57 -3.55	73.67 4.98 -13.36	89.24 5.04 -28.81	75.01 4.98 -14.77	80.36 4.91 -20.24	71.22 4.92 -11.04	77.81 5.04 -17.40	85.04 5.45 -21.56	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	85.12 4.80 -25.11	73.11 4.68 -13.33	68.49 4.67 -8.83
NYPA__HELLGATE_GT2 24159	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.12 4.16 0.00	60.79 4.06 -1.92	63.21 4.57 -3.55	73.67 4.98 -13.36	89.24 5.04 -28.81	75.01 4.98 -14.77	80.36 4.91 -20.24	71.22 4.92 -11.04	77.81 5.04 -17.40	85.04 5.45 -21.56	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	85.12 4.80 -25.11	73.11 4.68 -13.33	68.49 4.67 -8.83
NYS_BARGE__HYD 23848	45.62 -6.34 0.00	43.87 -5.70 0.00	41.71 -5.91 0.00	42.35 -6.16 0.00	42.66 -6.10 0.00	43.54 -6.39 0.00	43.05 -6.60 -0.03	46.15 -7.12 0.69	46.60 -7.07 1.15	42.22 -6.61 6.27	42.29 -6.31 6.72	42.20 -6.32 6.88	42.02 -6.35 6.89	41.57 -6.74 6.90	42.09 -6.69 6.49	43.15 -6.37 5.86	46.73 -6.09 5.21	54.66 -7.88 4.81	52.92 -7.81 5.47	46.29 -6.66 4.46	46.05 -5.98 3.31	43.40 -6.40 5.41	47.81 -6.56 0.72	49.46 -6.93 -1.40



OAK ORCHARD___HYD 24046	48.38 -3.59 0.00	46.30 -3.27 0.00	44.18 -3.43 0.00	44.98 -3.54 0.00	45.25 -3.51 0.00	46.28 -3.64 0.00	46.00 -3.62 0.00	49.70 -4.26 0.00	50.98 -3.84 0.00	51.59 -3.53 -0.02	53.13 -3.15 -0.96	53.30 -3.15 -1.06	52.99 -3.26 -0.99	52.45 -3.53 -0.78	53.14 -3.48 -1.36	52.38 -3.15 -0.15	55.21 -2.84 -0.02	64.64 -3.77 -1.06	62.46 -3.77 -0.03	54.11 -3.33 -0.02	52.47 -2.88 -0.02	51.92 -3.31 -0.02	51.58 -3.53 -0.01	51.24 -3.74 0.00
OAKDALE___35_KV_LOAD 356122	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.89 -0.79 -0.07	53.21 -0.76 0.00	54.63 -0.93 -0.74	55.73 -0.72 -1.35	57.38 -0.55 -2.61	57.46 -0.50 -2.57	57.05 -0.61 -2.40	56.75 -0.72 -2.26	58.19 -0.66 -3.60	60.21 -0.50 -5.34	65.95 -0.35 -8.28	79.84 -0.40 -12.90	76.17 -0.46 -10.44	67.36 -0.40 -10.34	65.18 -0.50 -10.34	61.23 -0.61 -6.63	59.50 -0.72 -5.12	57.77 -0.60 -3.40
OCC_CHEM___DRP 24175	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.67 -6.84 0.00	42.03 -6.73 0.00	42.84 -7.09 0.00	42.16 -7.49 -0.03	45.32 -7.88 0.76	45.79 -7.73 1.30	40.72 -7.33 7.05	40.71 -6.97 7.64	40.65 -6.92 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.91 -7.02 6.09	52.62 -8.89 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.97 -7.16 0.97	48.73 -7.70 -1.45
OH_GEN_PROXY 24063	45.52 -6.45 0.00	43.72 -5.85 0.00	41.61 -6.00 0.00	42.26 -6.26 0.00	42.57 -6.19 0.00	43.49 -6.44 0.00	43.00 -6.65 -0.03	45.60 -7.72 0.65	46.19 -7.57 1.06	42.00 -7.16 5.94	42.00 -6.92 6.40	41.96 -6.87 6.56	41.78 -6.91 6.57	41.41 -7.23 6.57	41.90 -7.18 6.18	42.96 -6.98 5.43	46.53 -6.79 4.71	54.47 -8.62 4.26	52.77 -8.54 4.89	46.19 -7.29 3.93	45.92 -6.59 2.83	43.25 -7.01 4.95	47.47 -7.11 0.52	49.43 -6.98 -1.43
OLIN_CORP_DRP 24177	44.90 -7.07 0.00	43.13 -6.44 0.00	41.04 -6.57 0.00	41.67 -6.84 0.00	41.98 -6.78 0.00	42.84 -7.09 0.00	42.16 -7.49 -0.03	45.33 -7.88 0.76	45.81 -7.73 1.28	40.93 -7.27 6.90	40.93 -6.92 7.48	40.87 -6.87 7.65	40.59 -7.07 7.66	40.21 -7.34 7.65	40.65 -7.35 7.26	41.73 -7.09 6.55	45.16 -6.96 5.90	52.76 -8.96 5.63	51.16 -8.80 6.23	44.76 -7.52 5.14	44.77 -6.70 3.87	42.00 -7.12 6.08	47.07 -7.11 0.92	48.64 -7.81 -1.46
OLIN_CORP_DSASP 323712	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.68 -6.84 0.00	42.03 -6.73 0.00	42.89 -7.29 0.00	42.36 -8.42 -0.03	44.79 -7.73 0.76	45.79 -7.73 1.30	40.67 -7.38 7.05	40.60 -7.08 7.64	40.54 -7.07 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.97 -6.96 6.09	52.69 -8.82 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.85 -7.27 0.97	48.73 -7.70 -1.45
ONEIDA_HERK_LFGE 323681	52.49 0.52 0.00	50.17 0.60 0.00	48.09 0.48 0.00	49.00 0.49 0.00	49.20 0.44 0.00	50.37 0.45 0.00	50.31 0.69 0.00	54.83 0.86 0.00	55.69 0.87 0.00	56.09 0.99 0.00	56.48 0.94 -0.22	56.63 1.00 -0.25	56.26 0.77 -0.23	56.10 0.72 -0.18	56.46 0.88 -0.32	56.57 1.16 -0.03	59.36 1.34 0.00	69.28 1.68 -0.24	67.72 1.52 0.00	58.62 1.21 0.00	56.38 1.05 0.00	56.20 0.99 0.00	56.03 0.94 0.00	55.75 0.77 0.00
ONEIDA___115KV_TB4 55905	52.90 0.94 0.00	50.56 0.99 0.00	48.47 0.86 0.00	49.39 0.87 0.00	49.64 0.88 0.00	50.87 0.95 0.00	50.81 1.19 0.00	55.37 1.40 0.00	56.24 1.43 0.00	56.58 1.49 0.00	57.29 1.55 -0.42	57.46 1.61 -0.47	57.14 1.44 -0.44	56.93 1.38 -0.34	57.41 1.55 -0.61	57.21 1.77 -0.06	60.00 1.97 0.00	70.11 2.29 -0.47	68.32 2.12 0.00	59.14 1.72 0.00	56.94 1.60 0.00	56.64 1.44 0.00	56.47 1.38 0.00	56.25 1.26 0.00
ONONDAGA_REF_OCCRA 23987	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.50 -1.02 0.00	47.73 -1.02 0.00	48.87 -1.05 0.00	48.68 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.38 -0.72 0.00	55.58 -0.55 -0.81	55.85 -0.44 -0.91	55.50 -0.61 -0.84	55.20 -0.66 -0.66	55.81 -0.61 -1.16	54.99 -0.50 -0.11	57.68 -0.35 0.00	67.77 -0.47 -0.90	65.74 -0.46 0.00	56.96 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.38 -0.72 0.00	54.21 -0.77 0.00
ONONDAGA___COGEN 23986	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.50 -1.02 0.00	47.73 -1.02 0.00	48.87 -1.05 0.00	48.68 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.44 -0.66 0.00	55.52 -0.55 -0.76	55.79 -0.44 -0.84	55.49 -0.55 -0.79	55.21 -0.61 -0.61	55.73 -0.61 -1.08	54.98 -0.50 -0.11	57.68 -0.35 0.00	67.71 -0.47 -0.83	65.74 -0.46 0.00	56.96 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.44 -0.66 0.00	54.21 -0.77 0.00
ONTARIO___LFGE 23819	50.10 -1.87 0.00	47.84 -1.74 0.00	45.75 -1.86 0.00	46.57 -1.94 0.00	46.86 -1.90 0.00	47.93 -2.00 0.00	47.86 -1.78 -0.03	52.66 -1.89 -0.58	54.15 -2.19 -1.52	59.53 -1.87 -6.30	61.32 -1.72 -7.72	61.61 -1.61 -7.83	61.19 -1.77 -7.70	60.86 -1.93 -7.59	61.62 -1.94 -8.30	62.67 -1.66 -8.96	67.23 -1.39 -10.60	79.56 -1.62 -13.82	77.04 -1.52 -12.37	67.56 -1.38 -11.52	64.50 -1.38 -10.55	63.03 -1.71 -9.53	57.67 -1.87 -4.45	54.81 -1.54 -1.37
ORANGEVILLE_WT_PWR 323706	46.35 -5.61 0.00	44.47 -5.10 0.00	42.32 -5.29 0.00	42.89 -5.63 0.00	43.20 -5.56 0.00	44.14 -5.79 0.00	43.80 -5.86 -0.04	44.14 -6.53 3.29	41.47 -6.80 6.54	16.70 -6.50 31.90	13.37 -6.31 35.64	12.90 -6.20 36.28	12.74 -6.41 36.11	12.55 -6.63 36.02	12.75 -6.69 35.82	13.28 -6.42 35.67	14.93 -6.27 36.82	18.57 -7.48 41.30	17.88 -7.28 41.04	14.85 -6.32 36.25	18.57 -6.03 30.73	13.57 -6.24 35.40	37.93 -6.33 10.83	50.76 -5.99 -1.77
ORANGEVILLE___ESR 323794	46.35 -5.61 0.00	44.47 -5.10 0.00	42.32 -5.29 0.00	42.89 -5.63 0.00	43.20 -5.56 0.00	44.14 -5.79 0.00	43.80 -5.86 -0.04	44.14 -6.53 3.29	41.47 -6.80 6.54	16.70 -6.50 31.90	13.37 -6.31 35.64	12.90 -6.20 36.28	12.74 -6.41 36.11	12.55 -6.63 36.02	12.75 -6.69 35.82	13.28 -6.42 35.67	14.93 -6.27 36.82	18.57 -7.48 41.30	17.88 -7.28 41.04	14.85 -6.32 36.25	18.57 -6.03 30.73	13.57 -6.24 35.40	37.93 -6.33 10.83	50.76 -5.99 -1.77
OSWEGATCHIE___HYD 24044	50.51 -1.45 0.00	48.28 -1.29 0.00	46.23 -1.38 0.00	47.06 -1.45 0.00	47.20 -1.56 0.00	48.32 -1.60 0.00	48.13 -1.49 0.00	52.56 -1.40 0.00	53.34 -1.48 0.00	53.45 -1.65 0.00	53.74 -1.77 -0.19	53.82 -1.77 -0.21	53.47 -1.99 -0.20	53.37 -1.99 -0.15	53.65 -1.88 -0.27	53.69 -1.72 -0.03	56.28 -1.74 0.00	65.81 -1.75 -0.21	64.48 -1.72 0.00	55.81 -1.61 0.00	53.78 -1.55 0.00	53.77 -1.44 0.00	53.66 -1.43 0.00	53.50 -1.48 0.00
OSWEGO___5 23606	50.10 -1.87 0.00	47.79 -1.78 0.00	45.85 -1.76 0.00	46.72 -1.79 0.00	46.96 -1.80 0.00	48.08 -1.85 0.00	47.83 -1.78 0.00	52.03 -1.94 0.00	52.90 -1.92 0.00	53.33 -1.77 0.00	54.19 -1.66 -0.53	54.37 -1.61 -0.59	54.10 -1.71 -0.55	53.87 -1.77 -0.43	54.31 -1.71 -0.76	53.84 -1.61 -0.08	56.46 -1.56 0.00	66.05 -1.89 -0.59	64.28 -1.92 0.00	55.75 -1.67 0.00	53.72 -1.61 0.00	53.49 -1.71 0.00	53.33 -1.77 0.00	53.17 -1.81 0.00



OSWEGO___6 23613	50.10 -1.87 0.00	47.79 -1.78 0.00	45.85 -1.76 0.00	46.72 -1.79 0.00	46.96 -1.80 0.00	48.08 -1.85 0.00	47.83 -1.78 0.00	52.03 -1.94 0.00	52.90 -1.92 0.00	53.33 -1.77 0.00	54.19 -1.66 -0.53	54.37 -1.61 -0.59	54.10 -1.71 -0.55	53.87 -1.77 -0.43	54.31 -1.71 -0.76	53.84 -1.61 -0.08	56.46 -1.56 0.00	66.05 -1.89 -0.59	64.28 -1.92 0.00	55.75 -1.67 0.00	53.72 -1.61 0.00	53.49 -1.71 0.00	53.33 -1.77 0.00	53.17 -1.81 0.00
OUTOKUMPU-AB___DRP 24206	45.94 -6.03 0.00	44.17 -5.40 0.00	41.99 -5.62 0.00	42.60 -5.92 0.00	42.91 -5.85 0.00	43.79 -6.14 0.00	43.10 -6.55 -0.03	46.19 -6.96 0.82	46.51 -6.91 1.40	41.09 -6.50 7.51	41.10 -6.09 8.13	40.98 -6.09 8.31	40.75 -6.19 8.32	40.32 -6.57 8.32	40.83 -6.52 7.91	41.82 -6.31 7.24	45.31 -6.09 6.63	53.19 -7.75 6.42	51.61 -7.55 7.05	45.07 -6.49 5.85	44.93 -5.92 4.48	42.14 -6.29 6.77	47.57 -6.39 1.13	49.86 -6.60 -1.47
OXBOW___BTM 323836	45.47 -6.50 0.00	43.72 -5.85 0.00	41.61 -6.00 0.00	42.21 -6.31 0.00	42.52 -6.24 0.00	43.39 -6.54 0.00	42.90 -6.75 -0.03	45.46 -7.72 0.79	46.23 -7.24 1.35	40.98 -6.83 7.28	40.84 -6.58 7.89	40.78 -6.54 8.07	40.67 -6.52 8.07	40.23 -6.90 8.07	40.73 -6.85 7.67	41.74 -6.65 6.99	45.22 -6.44 6.36	53.06 -8.15 6.14	51.37 -8.08 6.75	44.93 -6.89 5.60	44.82 -6.25 4.26	42.06 -6.63 6.52	47.27 -6.78 1.05	49.35 -7.09 -1.46
OXBOW____ 24026	45.47 -6.50 0.00	43.72 -5.85 0.00	41.61 -6.00 0.00	42.21 -6.31 0.00	42.52 -6.24 0.00	43.39 -6.54 0.00	42.70 -6.95 -0.03	45.78 -7.39 0.79	46.23 -7.24 1.35	40.98 -6.83 7.28	41.01 -6.42 7.89	40.89 -6.42 8.07	40.67 -6.52 8.07	40.23 -6.90 8.07	40.74 -6.85 7.67	41.74 -6.65 6.99	45.22 -6.44 6.36	53.00 -8.22 6.14	51.44 -8.01 6.75	44.93 -6.89 5.60	44.82 -6.25 4.26	42.06 -6.62 6.52	47.32 -6.72 1.05	49.35 -7.09 -1.46
OXY_CHEM_DSASP 323612	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.67 -6.84 0.00	42.03 -6.73 0.00	42.84 -7.09 0.00	42.16 -7.49 -0.03	45.32 -7.88 0.76	45.79 -7.73 1.30	40.72 -7.33 7.05	40.71 -6.97 7.64	40.65 -6.92 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.91 -7.02 6.09	52.62 -8.89 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.97 -7.16 0.97	48.73 -7.70 -1.45
OZONE_PARK_ESR 323760	55.81 3.85 0.00	53.09 3.52 0.00	50.99 3.38 0.00	52.15 3.64 0.00	52.42 3.66 0.00	53.69 3.74 -0.02	53.67 3.87 -0.18	58.29 4.32 0.00	61.18 4.44 -1.92	63.55 4.90 -3.55	72.29 5.20 -11.77	83.35 5.21 -22.75	73.02 5.14 -12.62	76.62 5.08 -16.33	71.45 5.19 -10.99	77.04 5.26 -16.40	85.17 5.63 -21.52	108.76 6.67 -34.74	99.71 6.42 -27.09	89.81 5.51 -26.88	87.30 5.09 -26.88	83.03 5.02 -22.80	73.41 5.01 -13.30	68.53 4.73 -8.82
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.67 -6.84 0.00	42.03 -6.73 0.00	42.84 -7.09 0.00	42.16 -7.49 -0.03	45.32 -7.88 0.76	45.79 -7.73 1.30	40.72 -7.33 7.05	40.71 -6.97 7.64	40.65 -6.92 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.91 -7.02 6.09	52.62 -8.89 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.97 -7.16 0.97	48.73 -7.70 -1.45
PACKARD__115KV_DUPONT_184 80571	44.90 -7.07 0.00	43.18 -6.39 0.00	41.09 -6.52 0.00	41.67 -6.84 0.00	42.03 -6.73 0.00	42.84 -7.09 0.00	42.16 -7.49 -0.03	45.32 -7.88 0.76	45.79 -7.73 1.30	40.72 -7.33 7.05	40.71 -6.97 7.64	40.65 -6.92 7.81	40.37 -7.07 7.82	39.99 -7.40 7.82	40.49 -7.35 7.43	41.50 -7.14 6.73	44.91 -7.02 6.09	52.62 -8.89 5.84	51.01 -8.74 6.45	44.57 -7.52 5.33	44.55 -6.75 4.03	41.77 -7.18 6.26	46.97 -7.16 0.97	48.73 -7.70 -1.45
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	55.82 3.85 -0.01	53.15 3.57 -0.01	51.05 3.43 -0.01	52.16 3.64 -0.01	52.37 3.61 -0.01	53.64 3.69 -0.02	53.57 3.77 -0.18	58.07 4.10 0.00	60.74 4.00 -1.92	63.11 4.46 -3.55	69.79 4.70 -9.77	75.21 4.76 -15.06	69.87 4.70 -9.91	71.22 4.64 -11.37	70.88 4.64 -10.98	75.37 4.82 -15.18	84.79 5.22 -21.54	108.33 6.20 -34.79	99.22 5.89 -27.13	89.44 5.11 -26.92	87.01 4.76 -26.92	79.65 4.53 -19.92	73.09 4.68 -13.31	68.26 4.45 -8.82
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	56.24 4.26 -0.01	53.55 3.97 -0.01	51.43 3.81 -0.01	52.55 4.03 -0.01	52.76 4.00 -0.01	54.04 4.09 -0.02	53.97 4.17 -0.18	58.50 4.53 0.00	61.18 4.44 -1.92	63.56 4.90 -3.55	70.29 5.20 -9.77	75.71 5.26 -15.06	70.37 5.19 -9.91	71.71 5.13 -11.37	71.38 5.14 -10.98	75.87 5.32 -15.18	85.37 5.80 -21.54	108.94 6.80 -34.79	99.82 6.49 -27.13	90.02 5.68 -26.92	87.50 5.26 -26.92	80.15 5.02 -19.92	73.58 5.18 -13.31	68.81 5.00 -8.82
PATROON__115KV_TB1 80586	54.36 2.39 0.00	51.85 2.28 0.00	49.85 2.24 0.00	50.79 2.28 0.00	51.05 2.29 0.00	52.34 2.35 -0.07	52.47 2.28 -0.57	56.34 2.37 0.00	63.28 2.41 -6.05	68.77 2.53 -11.14	69.99 2.77 -11.90	68.72 2.82 -10.51	67.87 2.82 -9.79	68.92 2.82 -10.90	73.90 2.76 -15.88	100.41 2.66 -42.37	128.56 2.79 -67.75	165.54 3.17 -95.02	155.35 3.05 -86.10	144.75 2.70 -84.64	142.51 2.55 -84.64	112.02 2.54 -54.27	99.49 2.53 -41.86	85.37 2.64 -27.75
PATTRSNVILLE__SOLAR 323815	54.25 2.28 0.00	51.70 2.13 0.00	49.70 2.09 0.00	50.60 2.08 0.00	50.95 2.20 0.00	52.33 2.30 -0.11	52.72 2.28 -0.82	56.40 2.43 0.00	66.03 2.52 -8.69	73.56 2.48 -15.98	71.18 2.43 -13.43	68.78 2.38 -11.01	67.85 2.32 -10.27	70.22 2.32 -12.69	75.21 2.37 -17.58	118.32 2.66 -60.28	158.19 2.96 -97.21	203.10 3.43 -132.32	193.35 3.37 -123.78	181.78 2.93 -121.43	179.59 2.82 -121.43	135.83 2.76 -77.87	117.85 2.70 -60.06	97.39 2.58 -39.82
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	47.03 -4.94 0.00	45.16 -4.41 0.00	42.95 -4.67 0.00	43.57 -4.95 0.00	43.88 -4.88 0.00	44.79 -5.14 0.00	44.24 -5.41 -0.03	47.24 -5.88 0.85	46.54 -6.85 1.43	40.70 -6.67 7.73	40.57 -6.42 8.33	40.44 -6.42 8.52	40.27 -6.47 8.53	39.99 -6.68 8.54	40.56 -6.63 8.07	41.56 -6.48 7.34	44.97 -6.44 6.61	53.62 -7.48 6.25	52.00 -7.22 6.99	45.29 -6.37 5.75	44.69 -6.31 4.33	41.93 -6.46 6.82	47.41 -6.67 1.02	51.28 -5.33 -1.63
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	55.86 3.90 0.00	53.19 3.62 0.00	51.04 3.43 0.00	52.20 3.69 0.00	52.42 3.66 0.00	53.69 3.74 -0.02	53.67 3.87 -0.18	58.29 4.32 0.00	61.11 4.33 -1.97	63.45 4.74 -3.62	68.35 5.03 -8.00	68.50 5.10 -8.02	67.71 4.97 -7.48	66.94 4.86 -6.87	71.25 4.92 -11.07	74.76 5.04 -14.34	85.48 5.45 -22.00	109.43 6.67 -35.41	100.26 6.36 -27.71	90.29 5.40 -27.48	87.79 4.98 -27.48	77.69 4.86 -17.62	73.48 4.79 -13.59	68.50 4.51 -9.01
PEEKSKILL____ 23653	54.98 3.01 0.00	52.35 2.77 0.00	50.32 2.71 0.00	51.38 2.86 0.00	51.63 2.88 0.00	52.89 2.94 -0.02	52.87 3.08 -0.18	57.32 3.35 0.00	60.06 3.34 -1.90	62.34 3.75 -3.49	66.98 4.04 -7.62	66.51 4.04 -7.08	66.34 4.03 -7.05	65.40 3.98 -6.22	70.11 4.03 -10.82	73.22 4.10 -13.74	83.63 4.35 -21.25	106.91 5.26 -34.31	97.98 5.03 -26.75	88.27 4.31 -26.54	85.81 3.93 -26.55	75.86 3.92 -16.73	72.02 3.80 -13.13	67.31 3.63 -8.70



PGE MADISON___WINDPWR 24146	55.08 3.12 0.00	52.89 3.32 0.00	50.37 2.76 0.00	51.28 2.76 0.00	51.29 2.53 0.00	52.58 2.64 -0.01	53.12 3.42 -0.08	57.91 3.94 0.00	59.55 3.84 -0.89	60.92 4.19 -1.64	62.03 4.09 -2.62	62.16 4.27 -2.51	61.25 3.65 -2.34	60.93 3.42 -2.30	62.65 3.81 -3.58	66.34 4.59 -6.37	73.25 5.22 -10.00	88.66 6.33 -14.98	84.79 5.96 -12.63	74.79 4.88 -12.49	72.36 4.54 -12.49	67.24 4.03 -8.01	65.08 3.80 -6.18	62.60 3.52 -4.10
PIERCEFIELD___HYD 23852	50.72 -1.25 0.00	48.43 -1.14 0.00	46.47 -1.14 0.00	47.20 -1.31 0.00	47.39 -1.37 0.00	48.53 -1.40 0.00	48.18 -1.44 0.00	52.51 -1.46 0.00	53.34 -1.48 0.00	53.22 -1.87 0.00	53.16 -2.16 0.00	53.23 -2.16 0.00	53.11 -2.16 0.00	53.11 -2.10 0.00	53.11 -2.16 0.00	53.16 -2.22 0.00	55.59 -2.44 0.00	64.79 -2.56 0.00	63.95 -2.25 0.00	55.41 -2.01 0.00	53.39 -1.94 0.00	53.49 -1.71 0.00	53.50 -1.60 0.00	53.50 -1.48 0.00
PINELAWN_CC_1 323563	68.11 5.10 -11.05	63.17 4.81 -8.79	52.24 4.62 -0.01	53.42 4.90 -0.01	54.30 4.88 -0.66	57.09 5.04 -2.12	62.06 5.16 -7.28	68.07 5.78 -8.33	70.88 5.81 -10.25	73.70 6.17 -12.43	86.84 6.41 -25.10	82.87 6.20 -21.28	79.08 6.13 -17.68	80.89 6.07 -19.61	84.37 6.46 -22.65	95.98 6.59 -34.02	128.31 6.96 -63.33	138.69 8.08 -63.27	134.21 7.81 -60.20	123.93 6.71 -59.80	113.86 6.36 -52.17	114.25 6.35 -52.70	90.44 6.33 -29.01	81.74 6.21 -20.55
PJM_GEN_HTP_PROXY 323702	55.34 3.38 0.00	52.65 3.07 0.00	50.56 2.95 0.00	51.72 3.20 0.00	51.93 3.17 0.00	53.24 3.29 -0.02	53.22 3.42 -0.18	57.80 3.83 0.00	60.63 3.89 -1.92	62.93 4.30 -3.53	67.25 4.59 -7.34	65.73 4.59 -5.75	66.48 4.58 -6.63	65.06 4.47 -5.38	70.79 4.58 -10.94	73.75 4.70 -13.67	84.44 4.93 -21.49	107.90 5.86 -34.69	98.88 5.62 -27.05	89.08 4.82 -26.84	86.60 4.43 -26.84	76.01 4.42 -16.39	72.72 4.35 -13.27	67.91 4.13 -8.80
PJM_GEN_KEystone 24065	34.38 -0.88 16.70	32.10 -0.80 16.68	31.46 -0.86 15.30	31.45 -0.87 16.19	32.35 -0.83 15.58	33.75 -0.90 15.28	43.03 -0.84 5.74	47.06 -1.03 5.88	40.89 -1.26 12.67	39.77 -0.94 14.39	40.12 -0.72 14.48	39.04 -0.66 15.68	37.00 -0.77 17.49	36.95 -0.83 17.43	37.00 -0.83 17.43	38.84 -0.66 15.87	46.58 -0.52 10.92	60.40 -0.61 6.34	53.90 -0.66 11.64	48.95 -0.63 7.83	47.60 -0.66 7.07	45.22 -0.77 9.21	42.58 -0.88 11.63	41.31 -0.66 13.01
PJM_GEN_NEPTUNE_PROXY 323594	65.12 4.26 -8.89	60.61 3.97 -7.07	51.47 3.85 -0.01	52.64 4.12 -0.01	53.39 4.10 -0.54	55.83 4.19 -1.71	59.88 4.37 -5.89	65.47 4.80 -6.70	68.32 4.88 -8.62	71.03 5.24 -10.70	83.22 5.48 -22.42	82.04 5.37 -21.28	77.16 5.31 -16.59	79.24 5.25 -18.79	81.16 5.53 -20.37	91.49 5.59 -30.53	119.09 5.92 -55.14	131.85 6.80 -57.70	126.48 6.56 -53.73	116.46 5.69 -53.36	107.93 5.37 -47.23	107.30 5.35 -46.74	86.32 5.29 -25.93	78.46 5.23 -18.26
PJM_GEN_VFT_PROXY 323633	54.51 3.07 0.52	51.81 2.77 0.54	49.71 2.71 0.61	30.40 3.01 21.12	31.95 2.97 19.78	33.28 3.10 19.74	35.39 3.27 17.50	37.39 3.62 20.19	37.39 3.67 21.10	37.39 4.13 21.84	39.28 4.43 20.47	39.28 4.43 20.54	39.28 4.36 20.35	39.28 4.31 20.23	39.28 4.42 20.40	38.99 4.48 20.87	39.86 4.70 22.86	42.14 5.59 30.79	39.86 5.36 31.70	39.86 4.59 22.15	39.86 4.20 19.67	39.86 4.19 19.54	38.99 4.19 20.29	37.36 3.96 21.58
PLATSBURG_115KV_PMLD1 355749	52.07 0.10 0.00	49.67 0.10 0.00	47.66 0.05 0.00	48.47 -0.05 0.00	48.61 -0.15 0.00	49.77 -0.15 0.00	48.97 -0.65 0.00	53.48 -0.49 0.00	54.27 -0.55 0.00	54.16 -0.94 0.00	54.21 -1.11 0.00	54.28 -1.11 0.00	54.10 -1.16 0.00	54.10 -1.10 0.00	54.04 -1.22 0.00	54.05 -1.33 0.00	56.63 -1.39 0.00	66.14 -1.21 0.00	65.40 -0.79 0.00	56.73 -0.69 0.00	54.78 -0.55 0.00	54.87 -0.33 0.00	54.88 -0.22 0.00	55.37 0.38 0.00
PLEASANTVLY___LBMP 24000	55.03 3.07 0.00	52.40 2.83 0.00	50.37 2.76 0.00	51.43 2.91 0.00	51.68 2.93 0.00	52.94 3.00 -0.02	52.88 3.08 -0.19	57.37 3.40 0.00	60.22 3.40 -2.01	62.53 3.75 -3.69	67.64 4.04 -8.28	67.74 4.04 -8.32	66.99 3.98 -7.75	66.23 3.92 -7.11	70.70 3.98 -11.46	74.12 4.10 -14.65	84.82 4.35 -22.44	108.72 5.12 -36.25	99.35 4.90 -28.25	89.70 4.25 -28.03	87.24 3.87 -28.03	77.05 3.86 -17.98	72.76 3.80 -13.87	67.80 3.63 -9.19
PLSNTVLE_13_KV_13.8KVDIST 80602	55.45 3.48 0.00	52.75 3.17 0.00	50.71 3.09 0.00	51.81 3.30 0.00	52.07 3.32 0.00	53.34 3.39 -0.02	53.32 3.52 -0.18	57.80 3.83 0.00	60.65 3.89 -1.94	62.97 4.30 -3.58	71.20 4.59 -11.28	80.69 4.60 -20.71	71.73 4.53 -11.94	74.70 4.47 -15.03	70.87 4.53 -11.08	76.21 4.65 -16.18	84.65 4.93 -21.70	108.24 5.86 -35.03	99.14 5.63 -27.32	89.34 4.82 -27.10	86.86 4.43 -27.10	81.72 4.36 -22.15	72.85 4.35 -13.41	67.99 4.12 -8.89
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	55.45 3.48 0.00	52.75 3.17 0.00	50.71 3.09 0.00	51.81 3.30 0.00	52.07 3.32 0.00	53.34 3.39 -0.02	53.32 3.52 -0.18	57.80 3.83 0.00	60.65 3.89 -1.94	62.97 4.30 -3.58	71.20 4.59 -11.28	80.69 4.60 -20.71	71.73 4.53 -11.94	74.70 4.47 -15.03	70.87 4.53 -11.08	76.21 4.65 -16.18	84.65 4.93 -21.70	108.24 5.86 -35.03	99.14 5.63 -27.32	89.34 4.82 -27.10	86.86 4.43 -27.10	81.72 4.36 -22.15	72.85 4.35 -13.41	67.99 4.12 -8.89
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	55.55 3.59 0.00	52.89 3.32 0.00	50.80 3.19 0.00	51.86 3.35 0.00	52.12 3.36 0.00	53.39 3.44 -0.03	53.33 3.52 -0.19	57.85 3.89 0.00	60.87 4.00 -2.05	63.22 4.35 -3.77	67.99 4.54 -8.13	68.06 4.54 -8.13	67.31 4.48 -7.58	66.56 4.36 -7.00	70.92 4.42 -11.24	74.89 4.60 -14.92	85.89 4.93 -22.93	110.03 5.99 -36.68	100.85 5.76 -28.89	91.00 4.94 -28.65	88.46 4.48 -28.65	77.99 4.42 -18.37	73.62 4.35 -14.17	68.61 4.23 -9.39
POLETTI___ 23519	55.34 3.38 0.00	52.65 3.07 0.00	50.56 2.95 0.00	51.72 3.20 0.00	51.98 3.22 0.00	53.24 3.29 -0.02	53.22 3.42 -0.18	57.80 3.83 0.00	60.63 3.89 -1.92	62.95 4.30 -3.55	71.51 4.54 -11.65	82.25 4.60 -22.27	72.25 4.53 -12.46	75.70 4.47 -16.03	70.90 4.64 -10.99	76.36 4.65 -16.34	84.53 4.99 -21.52	108.02 5.93 -34.74	98.92 5.63 -27.09	89.18 4.88 -26.88	86.69 4.48 -26.88	82.31 4.47 -22.63	72.80 4.41 -13.30	67.98 4.18 -8.82
POMONA___ESR 323819	54.82 2.86 0.00	52.15 2.58 0.00	50.18 2.57 0.00	51.23 2.72 0.00	51.49 2.73 0.00	52.69 2.74 -0.02	52.67 2.88 -0.17	57.10 3.13 0.00	59.74 3.07 -1.85	61.98 3.47 -3.41	66.50 3.71 -7.47	66.19 3.71 -7.09	65.84 3.65 -6.93	65.03 3.64 -6.18	69.45 3.65 -10.54	72.57 3.77 -13.43	82.74 4.00 -20.72	105.65 4.85 -33.44	96.92 4.63 -26.09	87.26 3.96 -25.88	84.81 3.59 -25.88	75.18 3.59 -16.39	71.43 3.53 -12.80	66.77 3.30 -8.49
PORT_JEFF_3 23555	67.80 5.67 -10.17	62.97 5.31 -8.09	52.72 5.10 -0.01	53.86 5.34 -0.01	54.78 5.41 -0.61	57.47 5.59 -1.95	62.04 5.70 -6.72	68.05 6.42 -7.66	70.88 6.47 -9.59	73.66 6.83 -11.73	86.30 6.97 -24.01	83.42 6.75 -21.28	79.18 6.68 -17.24	81.16 6.68 -19.27	84.17 7.18 -21.73	95.35 7.37 -32.60	125.76 7.72 -60.02	137.39 9.03 -61.01	132.52 8.74 -57.58	122.02 7.41 -57.19	112.64 7.14 -50.17	112.61 7.12 -50.28	89.92 7.05 -27.76	81.58 6.98 -19.62



PORT_JEFF_4 23616	67.80 5.67 -10.17	62.97 5.31 -8.09	52.72 5.10 -0.01	53.86 5.34 -0.01	54.78 5.41 -0.61	57.47 5.59 -1.95	62.04 5.70 -6.72	68.05 6.42 -7.66	70.88 6.47 -9.59	73.66 6.83 -11.73	86.30 6.97 -24.01	83.42 6.75 -21.28	79.18 6.68 -17.24	81.16 6.68 -19.27	84.17 7.18 -21.73	95.35 7.37 -32.60	125.76 7.72 -60.02	137.39 9.03 -61.01	132.52 8.74 -57.58	122.02 7.41 -57.19	112.64 7.14 -50.17	112.61 7.12 -50.28	89.92 7.05 -27.76	81.58 6.98 -19.62
PORT_JEFF_IC 23713	67.88 5.72 -10.20	63.09 5.40 -8.11	52.76 5.14 -0.01	53.91 5.39 -0.01	54.83 5.46 -0.61	57.52 5.64 -1.96	62.11 5.76 -6.74	68.13 6.48 -7.68	70.95 6.52 -9.61	73.51 6.67 -11.75	86.28 6.92 -24.05	83.37 6.70 -21.28	79.37 6.85 -17.25	81.23 6.74 -19.28	84.25 7.24 -21.75	95.44 7.42 -32.65	126.03 7.89 -60.11	137.66 9.23 -61.08	132.74 8.87 -57.67	122.21 7.52 -57.27	112.76 7.19 -50.23	112.80 7.23 -50.36	90.06 7.16 -27.80	81.66 7.04 -19.64
PPL PILGRIM_ST_GT1 24216	67.99 5.72 -10.31	63.18 5.40 -8.20	52.81 5.19 -0.01	53.96 5.43 -0.01	54.84 5.46 -0.62	57.54 5.64 -1.98	62.23 5.80 -6.81	68.21 6.47 -7.77	71.03 6.52 -9.70	73.82 6.89 -11.84	86.59 7.08 -24.19	83.53 6.87 -21.28	79.37 6.80 -17.31	81.32 6.79 -19.33	84.37 7.24 -21.87	95.57 7.37 -32.83	125.93 7.37 -60.54	137.27 8.55 -61.37	132.40 8.21 -58.00	122.08 7.06 -57.60	112.73 6.92 -50.49	112.94 7.07 -50.66	90.17 7.11 -27.96	81.73 6.98 -19.76
PPL PILGRIM_ST_GT2 24217	67.99 5.72 -10.31	63.18 5.40 -8.20	52.81 5.19 -0.01	53.96 5.43 -0.01	54.84 5.46 -0.62	57.54 5.64 -1.98	62.23 5.80 -6.81	68.21 6.47 -7.77	71.03 6.52 -9.70	73.82 6.89 -11.84	86.59 7.08 -24.19	83.53 6.87 -21.28	79.37 6.80 -17.31	81.32 6.79 -19.33	84.37 7.24 -21.87	95.57 7.37 -32.83	125.93 7.37 -60.54	137.27 8.55 -61.37	132.40 8.21 -58.00	122.08 7.06 -57.60	112.73 6.92 -50.49	112.94 7.07 -50.66	90.17 7.11 -27.96	81.73 6.98 -19.76
PPL_SHRM_GT3 24213	68.12 5.97 -10.18	63.32 5.65 -8.10	53.00 5.38 -0.01	54.15 5.63 -0.01	55.07 5.70 -0.61	57.77 5.89 -1.96	62.39 6.05 -6.73	68.49 6.85 -7.67	71.27 6.85 -9.60	73.99 7.16 -11.74	86.59 7.25 -24.03	83.70 7.03 -21.28	79.36 6.85 -17.24	81.38 6.90 -19.28	84.45 7.46 -21.74	95.75 7.75 -32.62	126.31 8.24 -60.05	138.15 9.76 -61.04	133.15 9.34 -57.61	122.50 7.87 -57.22	113.10 7.58 -50.19	113.08 7.56 -50.31	90.37 7.49 -27.78	82.03 7.42 -19.63
PPL_SHRM_GT4 24214	68.12 5.97 -10.18	63.32 5.65 -8.10	53.00 5.38 -0.01	54.15 5.63 -0.01	55.07 5.70 -0.61	57.77 5.89 -1.96	62.39 6.05 -6.73	68.49 6.85 -7.67	71.27 6.85 -9.60	73.99 7.16 -11.74	86.59 7.25 -24.03	83.70 7.03 -21.28	79.36 6.85 -17.24	81.38 6.90 -19.28	84.45 7.46 -21.74	95.75 7.75 -32.62	126.31 8.24 -60.05	138.15 9.76 -61.04	133.15 9.34 -57.61	122.50 7.87 -57.22	113.10 7.58 -50.19	113.08 7.56 -50.31	90.37 7.49 -27.78	82.03 7.42 -19.63
PROJECT___ORANGE 1 24174	50.67 -1.30 0.00	48.33 -1.24 0.00	46.37 -1.24 0.00	47.25 -1.26 0.00	47.49 -1.27 0.00	48.62 -1.30 0.00	48.43 -1.19 0.00	52.73 -1.24 0.00	53.61 -1.21 0.00	54.11 -0.99 0.00	55.16 -0.83 -0.67	55.41 -0.72 -0.74	55.12 -0.83 -0.69	54.81 -0.94 -0.54	55.33 -0.88 -0.95	54.69 -0.78 -0.09	57.33 -0.70 0.00	67.21 -0.88 -0.73	65.34 -0.86 0.00	56.67 -0.75 0.00	54.56 -0.77 0.00	54.27 -0.94 0.00	54.11 -0.99 0.00	53.88 -1.10 0.00
PROJECT___ORANGE 2 24166	50.67 -1.30 0.00	48.33 -1.24 0.00	46.37 -1.24 0.00	47.25 -1.26 0.00	47.49 -1.27 0.00	48.62 -1.30 0.00	48.43 -1.19 0.00	52.73 -1.24 0.00	53.61 -1.21 0.00	54.11 -0.99 0.00	55.16 -0.83 -0.67	55.41 -0.72 -0.74	55.12 -0.83 -0.69	54.81 -0.94 -0.54	55.33 -0.88 -0.95	54.69 -0.78 -0.09	57.33 -0.70 0.00	67.21 -0.88 -0.73	65.34 -0.86 0.00	56.67 -0.75 0.00	54.56 -0.77 0.00	54.27 -0.94 0.00	54.11 -0.99 0.00	53.88 -1.10 0.00
PUCKETT___SOLAR 323809	52.28 0.31 0.00	49.97 0.39 0.00	47.85 0.24 0.00	48.76 0.24 0.00	48.95 0.20 0.00	50.13 0.20 -0.01	50.14 0.45 -0.08	54.51 0.54 0.00	56.04 0.39 -0.84	57.29 0.66 -1.53	58.73 0.67 -2.74	58.83 0.78 -2.67	58.30 0.55 -2.49	58.09 0.50 -2.38	59.63 0.61 -3.76	62.26 0.88 -6.00	68.54 1.16 -9.35	83.10 1.42 -14.34	79.32 1.32 -11.80	70.19 1.09 -11.69	67.96 0.94 -11.69	63.41 0.72 -7.49	61.54 0.66 -5.78	59.48 0.66 -3.84
PYRITES___HYD 24023	52.02 0.05 0.00	49.77 0.20 0.00	47.66 0.05 0.00	48.47 -0.05 0.00	48.61 -0.15 0.00	49.72 -0.20 0.00	49.47 -0.15 0.00	53.91 -0.05 0.00	54.71 -0.11 0.00	54.55 -0.55 0.00	54.49 -0.83 0.00	54.55 -0.83 0.00	54.32 -0.94 0.00	54.38 -0.83 0.00	54.43 -0.83 0.00	54.60 -0.78 0.00	57.15 -0.87 0.00	66.68 -0.67 0.00	65.74 -0.46 0.00	56.90 -0.52 0.00	54.83 -0.50 0.00	54.87 -0.33 0.00	54.88 -0.22 0.00	54.87 -0.11 0.00
QUAKERRD_115KV_BK1 80622	47.86 -4.11 0.00	45.76 -3.82 0.00	43.75 -3.86 0.00	44.54 -3.98 0.00	44.81 -3.95 0.00	45.83 -4.09 0.00	45.45 -4.17 0.00	49.33 -4.64 0.00	50.54 -4.28 0.00	51.08 -4.02 -0.01	52.59 -3.65 -0.92	52.81 -3.60 -1.02	52.46 -3.76 -0.96	51.97 -3.97 -0.74	52.59 -3.98 -1.31	51.86 -3.65 -0.14	54.49 -3.54 -0.01	63.92 -4.45 -1.01	61.77 -4.44 -0.01	53.58 -3.85 -0.01	51.85 -3.49 -0.01	51.35 -3.86 -0.01	51.08 -4.02 0.00	50.75 -4.23 0.00
QUENSBRY_115KV_TB8 356137	55.97 4.00 0.00	53.24 3.67 0.00	51.13 3.52 0.00	52.01 3.49 0.00	52.37 3.61 0.00	54.02 3.99 -0.10	54.32 3.92 -0.78	58.18 4.21 0.00	67.68 4.55 -8.32	75.08 4.68 -15.30	73.00 4.65 -13.03	70.77 4.65 -10.73	69.85 4.59 -10.01	72.08 4.58 -12.29	76.92 4.59 -17.07	117.76 4.65 -57.73	156.01 4.93 -93.06	200.00 5.79 -126.86	190.35 5.69 -118.46	178.60 4.94 -116.25	176.28 4.70 -116.25	134.38 4.64 -74.54	117.05 4.46 -57.49	97.44 4.34 -38.12
RAMAPO___LBMP 323565	54.67 2.70 0.00	52.05 2.48 0.00	50.04 2.43 0.00	51.09 2.57 0.00	51.34 2.58 0.00	52.59 2.65 -0.02	52.52 2.73 -0.17	56.94 2.97 0.00	59.62 2.96 -1.85	61.80 3.31 -3.39	66.37 3.60 -7.45	66.07 3.60 -7.08	65.71 3.54 -6.91	64.85 3.48 -6.17	69.30 3.54 -10.50	72.42 3.65 -13.39	82.56 3.89 -20.65	105.33 4.65 -33.33	96.64 4.44 -26.00	87.00 3.79 -25.80	84.61 3.49 -25.80	74.97 3.42 -16.34	71.22 3.36 -12.76	66.63 3.19 -8.46
RANKINE____ 23646	46.35 -5.61 0.00	44.57 -5.01 0.00	42.37 -5.24 0.00	42.98 -5.53 0.00	43.30 -5.46 0.00	44.19 -5.74 0.00	43.55 -6.10 -0.03	46.27 -6.69 1.00	46.09 -6.96 1.76	39.13 -6.67 9.30	38.83 -6.36 10.13	38.72 -6.31 10.35	38.51 -6.41 10.34	38.13 -6.74 10.34	38.66 -6.69 9.92	39.65 -6.48 9.24	43.02 -6.32 8.68	50.89 -7.75 8.72	49.32 -7.55 9.34	43.05 -6.49 7.88	43.00 -6.14 6.19	40.05 -6.40 8.75	46.81 -6.56 1.73	50.46 -6.10 -1.58
RAVENSWOOD_GT2_1 24244	55.50 3.53 0.00	52.79 3.22 0.00	50.75 3.14 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.44 3.49 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.21 5.89 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82



RAVENSWOOD_GT2_2 24245	55.50 3.53 0.00	52.79 3.22 0.00	50.75 3.14 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.44 3.49 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.21 5.89 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD_GT2_3 24246	55.50 3.53 0.00	52.84 3.27 0.00	50.75 3.14 0.00	51.91 3.40 0.00	52.17 3.41 0.00	53.44 3.49 -0.02	53.42 3.62 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.17 4.52 -3.55	71.83 4.87 -11.65	82.52 4.87 -22.26	72.52 4.81 -12.45	75.97 4.75 -16.02	71.07 4.81 -11.00	76.64 4.93 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.21 5.89 -27.12	89.38 5.05 -26.91	86.94 4.70 -26.91	82.48 4.64 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD_GT2_4 24247	55.50 3.53 0.00	52.84 3.27 0.00	50.75 3.14 0.00	51.91 3.40 0.00	52.17 3.41 0.00	53.44 3.49 -0.02	53.42 3.62 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.17 4.52 -3.55	71.83 4.87 -11.65	82.52 4.87 -22.26	72.52 4.81 -12.45	75.97 4.75 -16.02	71.07 4.81 -11.00	76.64 4.93 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.21 5.89 -27.12	89.38 5.05 -26.91	86.94 4.70 -26.91	82.48 4.64 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD_GT3_1 24248	55.50 3.53 0.00	52.79 3.22 0.00	50.75 3.14 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.44 3.49 -0.02	53.42 3.62 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.21 5.89 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD_GT3_2 24249	55.50 3.53 0.00	52.79 3.22 0.00	50.75 3.14 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.44 3.49 -0.02	53.42 3.62 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.21 5.89 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD_GT3_3 24250	55.55 3.59 0.00	52.84 3.27 0.00	50.80 3.19 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	58.02 4.05 0.00	60.85 4.11 -1.92	63.22 4.57 -3.55	71.89 4.92 -11.65	82.58 4.93 -22.26	72.57 4.86 -12.45	76.03 4.80 -16.02	71.13 4.86 -11.00	76.69 4.98 -16.34	84.79 5.22 -21.54	108.33 6.20 -34.78	99.28 5.96 -27.12	89.43 5.11 -26.91	87.00 4.76 -26.91	82.53 4.69 -22.63	73.03 4.63 -13.31	68.20 4.40 -8.82
RAVENSWOOD_GT3_4 24251	55.55 3.59 0.00	52.84 3.27 0.00	50.80 3.19 0.00	51.96 3.44 0.00	52.17 3.41 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	58.02 4.05 0.00	60.85 4.11 -1.92	63.22 4.57 -3.55	71.89 4.92 -11.65	82.58 4.93 -22.26	72.57 4.86 -12.45	76.03 4.80 -16.02	71.13 4.86 -11.00	76.69 4.98 -16.34	84.79 5.22 -21.54	108.33 6.20 -34.78	99.28 5.96 -27.12	89.43 5.11 -26.91	87.00 4.76 -26.91	82.53 4.69 -22.63	73.03 4.63 -13.31	68.20 4.40 -8.82
RAVENSWOOD_GT_1 23729	57.84 3.85 -2.03	55.18 3.52 -2.09	53.37 3.38 -2.38	54.20 3.64 -2.04	54.43 3.66 -2.01	55.65 3.74 -1.98	55.63 3.87 -2.14	60.07 4.26 -1.84	62.60 4.28 -3.51	64.64 4.74 -4.80	76.41 5.09 -16.00	101.78 5.10 -41.30	78.64 5.03 -18.35	86.98 4.97 -26.81	71.28 4.97 -11.04	79.54 5.15 -19.01	99.59 5.51 -36.06	134.01 6.47 -60.20	124.96 6.22 -52.54	107.36 5.34 -44.60	111.36 4.98 -51.05	97.22 4.86 -37.15	73.14 4.74 -13.31	68.73 4.62 -9.13
RAVENSWOOD_GT_10 24258	55.50 3.53 0.00	52.79 3.22 0.00	50.71 3.09 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.15 5.83 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD_GT_11 24259	55.50 3.53 0.00	52.79 3.22 0.00	50.71 3.09 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.15 5.83 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD_GT_4 24252	56.98 3.48 -1.53	54.32 3.17 -1.58	52.51 3.09 -1.80	53.40 3.35 -1.54	53.59 3.32 -1.52	54.88 3.44 -1.51	54.86 3.57 -1.67	59.31 3.94 -1.40	61.95 4.00 -3.13	64.01 4.41 -4.50	75.10 4.81 -14.96	96.91 4.76 -36.76	76.95 4.75 -16.94	84.13 4.69 -24.24	71.05 4.75 -11.03	78.62 4.87 -18.37	95.73 5.11 -32.60	127.53 6.06 -54.12	118.49 5.83 -46.46	102.78 5.00 -40.37	105.20 4.59 -45.28	93.48 4.58 -33.69	72.92 4.52 -13.31	68.33 4.29 -9.06
RAVENSWOOD_GT_5 24254	56.98 3.48 -1.53	54.32 3.17 -1.58	52.51 3.09 -1.80	53.40 3.35 -1.54	53.59 3.32 -1.52	54.88 3.44 -1.51	54.86 3.57 -1.67	59.31 3.94 -1.40	61.95 4.00 -3.13	64.01 4.41 -4.50	75.10 4.81 -14.96	96.91 4.76 -36.76	76.95 4.75 -16.94	84.13 4.69 -24.24	71.05 4.75 -11.03	78.62 4.87 -18.37	95.73 5.11 -32.60	127.53 6.06 -54.12	118.49 5.83 -46.46	102.78 5.00 -40.37	105.20 4.59 -45.28	93.48 4.58 -33.69	72.92 4.52 -13.31	68.33 4.29 -9.06
RAVENSWOOD_GT_6 24253	56.98 3.48 -1.53	54.32 3.17 -1.58	52.51 3.09 -1.80	53.40 3.35 -1.54	53.59 3.32 -1.52	54.88 3.44 -1.51	54.86 3.57 -1.67	59.31 3.94 -1.40	61.95 4.00 -3.13	64.01 4.41 -4.50	75.10 4.81 -14.96	96.91 4.76 -36.76	76.95 4.75 -16.94	84.13 4.69 -24.24	71.05 4.75 -11.03	78.62 4.87 -18.37	95.73 5.11 -32.60	127.53 6.06 -54.12	118.49 5.83 -46.46	102.78 5.00 -40.37	105.20 4.59 -45.28	93.48 4.58 -33.69	72.92 4.52 -13.31	68.33 4.29 -9.06
RAVENSWOOD_GT_7 24255	56.98 3.48 -1.53	54.32 3.17 -1.58	52.51 3.09 -1.80	53.40 3.35 -1.54	53.59 3.32 -1.52	54.88 3.44 -1.51	54.86 3.57 -1.67	59.31 3.94 -1.40	61.95 4.00 -3.13	64.01 4.41 -4.50	75.10 4.81 -14.96	96.91 4.76 -36.76	76.95 4.75 -16.94	84.13 4.69 -24.24	71.05 4.75 -11.03	78.62 4.87 -18.37	95.73 5.11 -32.60	127.53 6.06 -54.12	118.49 5.83 -46.46	102.78 5.00 -40.37	105.20 4.59 -45.28	93.48 4.58 -33.69	72.92 4.52 -13.31	68.33 4.29 -9.06
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	55.50 3.53 0.00	52.79 3.22 0.00	50.71 3.09 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.15 5.83 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82



RAVENSWOOD_GT_9 24257	55.50 3.53 0.00	52.79 3.22 0.00	50.71 3.09 0.00	51.91 3.40 0.00	52.12 3.36 0.00	53.39 3.44 -0.02	53.37 3.57 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.78 4.81 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.92 4.69 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.54	108.26 6.13 -34.78	99.15 5.83 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.42 4.58 -22.63	72.98 4.57 -13.31	68.15 4.34 -8.82
RAVENSWOOD___1 23533	55.77 3.79 -0.01	53.05 3.47 -0.01	51.00 3.38 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.67 3.87 -0.18	58.23 4.26 0.00	61.02 4.28 -1.92	63.39 4.74 -3.55	72.00 5.03 -11.65	82.74 5.09 -22.26	72.69 4.98 -12.45	76.19 4.97 -16.02	71.18 4.92 -11.00	76.80 5.09 -16.34	85.02 5.45 -21.55	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.23 4.98 -26.92	82.70 4.86 -22.63	73.15 4.74 -13.32	68.43 4.62 -8.83
RAVENSWOOD___2 23534	55.77 3.79 -0.01	53.05 3.47 -0.01	50.95 3.33 -0.01	52.11 3.59 -0.01	52.32 3.56 -0.01	53.64 3.69 -0.02	53.62 3.82 -0.18	58.18 4.21 0.00	61.02 4.28 -1.92	63.33 4.68 -3.55	72.00 5.03 -11.65	82.74 5.09 -22.26	72.69 4.98 -12.45	76.14 4.91 -16.02	71.18 4.92 -11.00	76.75 5.04 -16.34	85.02 5.45 -21.55	108.60 6.47 -34.79	99.55 6.22 -27.13	89.67 5.34 -26.92	87.17 4.92 -26.92	82.70 4.86 -22.63	73.15 4.74 -13.32	68.43 4.62 -8.83
RAVENSWOOD___3 23535	55.50 3.54 0.00	52.79 3.22 0.00	50.75 3.14 0.00	51.91 3.39 0.00	52.08 3.32 0.00	53.39 3.44 -0.02	53.42 3.62 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.11 4.46 -3.55	71.84 4.87 -11.65	82.47 4.82 -22.26	72.52 4.81 -12.45	75.97 4.75 -16.02	71.02 4.75 -11.00	76.58 4.87 -16.34	84.73 5.16 -21.55	108.26 6.13 -34.78	99.21 5.89 -27.12	89.38 5.05 -26.91	86.89 4.65 -26.91	82.48 4.64 -22.63	72.93 4.52 -13.32	68.16 4.34 -8.83
RAVENSWOOD___4 23820	53.78 3.79 1.98	50.95 3.42 2.04	48.62 3.33 2.33	50.11 3.59 2.00	50.35 3.56 1.96	51.71 3.69 1.90	51.69 3.82 1.75	56.37 4.21 1.81	59.41 4.22 -0.37	62.10 4.68 -2.33	67.71 5.03 -7.35	63.94 5.04 -3.52	66.88 4.98 -6.64	65.51 4.91 -5.39	71.14 4.92 -10.96	74.11 5.04 -13.70	70.67 5.40 -7.25	83.52 6.40 -9.77	74.46 6.16 -2.11	72.20 5.28 -9.50	63.40 4.92 -3.15	68.40 4.86 -8.34	73.15 4.74 -13.32	68.07 4.56 -8.53
RCPL_TRUST___DRP 24196	55.40 3.43 0.00	52.70 3.12 0.00	50.66 3.05 0.00	51.77 3.25 0.00	52.03 3.27 0.00	53.29 3.34 -0.02	53.27 3.47 -0.18	57.85 3.89 0.00	60.69 3.95 -1.92	63.03 4.41 -3.53	67.37 4.70 -7.34	65.85 4.71 -5.75	66.59 4.70 -6.63	65.17 4.58 -5.38	70.96 4.75 -10.94	73.87 4.82 -13.67	84.56 5.05 -21.49	108.04 5.99 -34.69	99.01 5.76 -27.05	89.20 4.94 -26.84	86.71 4.54 -26.84	76.12 4.53 -16.39	72.89 4.52 -13.28	68.02 4.23 -8.80
RED___ROCHESTER 323720	48.69 -3.27 0.00	46.55 -3.03 0.00	44.42 -3.19 0.00	45.21 -3.30 0.00	45.49 -3.27 0.00	46.53 -3.40 0.00	46.24 -3.38 0.00	50.03 -3.94 0.00	51.37 -3.45 0.00	51.97 -3.14 -0.01	53.50 -2.76 -0.95	53.73 -2.71 -1.05	53.43 -2.82 -0.98	52.88 -3.09 -0.76	53.52 -3.09 -1.35	52.80 -2.71 -0.14	55.65 -2.38 -0.01	65.16 -3.23 -1.04	63.03 -3.18 -0.01	54.61 -2.81 -0.01	52.90 -2.43 -0.01	52.29 -2.93 -0.01	51.90 -3.20 0.00	51.63 -3.36 0.00
REGAN___SOLAR 323812	56.07 4.10 0.00	53.39 3.82 0.00	51.28 3.67 0.00	52.16 3.64 0.00	52.56 3.81 0.00	54.16 4.14 -0.10	54.50 4.12 -0.77	58.34 4.37 0.00	67.59 4.61 -8.16	74.52 4.41 -15.02	73.20 4.26 -13.62	70.95 4.10 -11.46	69.87 3.92 -10.69	71.97 4.03 -12.73	77.35 4.15 -17.95	116.75 4.59 -56.78	154.41 5.05 -91.34	198.78 5.99 -125.43	188.38 5.89 -116.29	176.69 5.17 -114.10	174.52 5.09 -114.10	133.28 4.91 -73.17	116.32 4.79 -56.43	97.02 4.62 -37.41
RENSSELAER___COGEN 23796	54.15 2.18 0.00	51.61 2.03 0.00	49.66 2.05 0.00	50.60 2.08 0.00	50.90 2.14 0.00	52.13 2.15 -0.06	52.19 2.08 -0.49	56.13 2.16 0.00	62.11 2.08 -5.21	66.94 2.26 -9.58	69.28 2.49 -11.47	68.29 2.49 -10.41	67.45 2.49 -9.70	68.05 2.49 -10.36	73.10 2.43 -15.41	94.31 2.33 -36.61	118.72 2.44 -58.26	153.18 2.76 -83.07	142.88 2.72 -73.97	132.55 2.35 -72.78	130.33 2.22 -72.78	104.14 2.26 -46.67	93.30 2.21 -36.00	81.26 2.42 -23.87
REPUBLIC_115KV_BARTNBRK 55605	57.79 5.82 0.00	54.93 5.35 0.00	52.71 5.09 0.00	53.46 4.95 0.00	53.93 5.17 0.00	55.82 5.79 -0.10	56.05 5.66 -0.78	60.07 6.10 0.00	69.84 6.74 -8.28	77.17 6.83 -15.24	75.02 6.69 -13.01	72.82 6.70 -10.73	71.84 6.58 -10.00	74.04 6.57 -12.27	78.94 6.63 -17.05	119.52 6.65 -57.50	157.78 7.08 -92.67	202.01 8.28 -126.37	192.31 8.14 -117.97	180.30 7.12 -115.77	177.90 6.81 -115.77	136.07 6.62 -74.23	118.80 6.45 -57.26	99.21 6.27 -37.96
REVERE_CPBR_DRP 24186	53.27 1.30 0.00	50.91 1.34 0.00	48.80 1.19 0.00	49.68 1.16 0.00	49.88 1.12 0.00	51.12 1.20 0.00	51.11 1.49 0.00	55.75 1.78 0.00	56.63 1.81 0.00	57.03 1.93 0.00	57.56 1.88 -0.36	57.78 1.99 -0.40	57.35 1.71 -0.37	57.21 1.71 -0.29	57.71 1.93 -0.52	57.64 2.22 -0.05	60.52 2.50 0.00	70.71 2.96 -0.40	68.91 2.71 0.00	59.60 2.18 0.00	57.38 2.05 0.00	57.08 1.88 0.00	56.92 1.82 0.00	56.58 1.59 0.00
REYNOLDS_115KV_TB3 80639	54.31 2.34 0.00	51.75 2.18 0.00	49.80 2.19 0.00	50.75 2.23 0.00	51.00 2.24 0.00	52.29 2.30 -0.07	52.43 2.28 -0.53	56.34 2.37 0.00	62.78 2.36 -5.60	67.94 2.53 -10.31	69.68 2.71 -11.65	68.58 2.77 -10.43	67.75 2.76 -9.72	68.50 2.71 -10.59	73.51 2.65 -15.60	97.27 2.60 -39.29	123.43 2.73 -62.68	159.06 3.10 -88.61	148.79 2.98 -79.61	138.30 2.58 -78.30	136.12 2.49 -78.30	107.90 2.48 -50.21	96.30 2.48 -38.72	83.24 2.58 -25.67
RIVERBAY____ 323610	56.24 4.26 -0.01	53.55 3.97 -0.01	51.43 3.81 -0.01	52.55 4.03 -0.01	52.76 4.00 -0.01	54.04 4.09 -0.02	53.97 4.17 -0.18	58.50 4.53 0.00	61.18 4.44 -1.92	63.56 4.90 -3.55	70.29 5.20 -9.77	75.71 5.26 -15.06	70.37 5.19 -9.91	71.71 5.13 -11.37	71.38 5.14 -10.98	75.87 5.32 -15.18	85.37 5.80 -21.54	108.94 6.80 -34.79	99.82 6.49 -27.13	90.02 5.68 -26.92	87.50 5.26 -26.92	80.15 5.02 -19.92	73.58 5.18 -13.31	68.81 5.00 -8.82
RIVERSIDE_115KV_TB3 55908	54.25 2.29 0.00	51.75 2.18 0.00	49.75 2.14 0.00	50.70 2.18 0.00	51.00 2.24 0.00	52.29 2.30 -0.07	52.38 2.23 -0.53	56.29 2.32 0.00	62.78 2.30 -5.66	67.98 2.48 -10.41	69.66 2.66 -11.69	68.55 2.71 -10.45	67.71 2.71 -9.74	68.55 2.71 -10.64	73.56 2.65 -15.65	97.59 2.55 -39.67	123.99 2.67 -63.30	159.78 3.03 -89.40	149.58 2.98 -80.40	139.07 2.58 -79.07	136.83 2.43 -79.07	108.34 2.43 -50.70	96.63 2.42 -39.11	83.49 2.58 -25.93
ROARING___BROOK_WT_PWR 323790	51.55 -0.42 0.00	49.17 -0.40 0.00	47.23 -0.38 0.00	48.08 -0.44 0.00	48.27 -0.49 0.00	49.42 -0.50 0.00	49.02 -0.59 0.00	53.27 -0.70 0.00	54.10 -0.71 0.00	54.21 -0.88 0.00	54.33 -0.99 0.00	54.33 -1.05 0.00	54.21 -1.05 0.00	54.16 -1.05 0.00	54.21 -1.05 0.00	54.32 -1.05 0.00	56.92 -1.10 0.00	66.14 -1.21 0.00	65.07 -1.13 0.00	56.44 -0.98 0.00	54.39 -0.94 0.00	54.38 -0.83 0.00	54.38 -0.72 0.00	54.38 -0.60 0.00



ROCHESRG_115KV_T4 355643	48.17 -3.79 0.00	46.10 -3.47 0.00	44.04 -3.57 0.00	44.78 -3.74 0.00	45.05 -3.71 0.00	46.08 -3.84 0.00	45.65 -3.97 0.00	49.54 -4.43 0.00	50.76 -4.06 0.00	51.36 -3.75 -0.01	52.90 -3.37 -0.95	53.12 -3.32 -1.06	52.71 -3.54 -0.99	52.22 -3.75 -0.77	52.86 -3.76 -1.35	52.08 -3.43 -0.14	54.84 -3.19 -0.01	64.22 -4.18 -1.05	62.11 -4.10 -0.01	53.81 -3.62 -0.01	52.13 -3.21 -0.01	51.63 -3.59 -0.01	51.41 -3.69 0.00	51.02 -3.96 0.00
ROCHESTER_9_IC 23652	48.43 -3.53 0.00	46.35 -3.22 0.00	44.23 -3.38 0.00	45.02 -3.49 0.00	45.30 -3.46 0.00	46.33 -3.59 0.00	45.95 -3.67 0.00	49.81 -4.16 0.00	51.09 -3.73 0.00	51.69 -3.42 -0.01	53.22 -3.04 -0.95	53.45 -2.99 -1.05	53.09 -3.15 -0.98	52.55 -3.42 -0.76	53.18 -3.43 -1.35	52.47 -3.05 -0.14	55.25 -2.79 -0.01	64.69 -3.70 -1.04	62.57 -3.64 -0.01	54.21 -3.22 -0.01	52.52 -2.82 -0.01	51.96 -3.26 -0.01	51.68 -3.42 0.00	51.30 -3.68 0.00
ROCKVIEW_13_KV_LD 356306	55.55 3.59 0.00	52.84 3.27 0.00	50.80 3.19 0.00	51.91 3.40 0.00	52.17 3.41 0.00	53.44 3.49 -0.02	53.42 3.62 -0.18	57.96 3.99 0.00	60.80 4.06 -1.92	63.10 4.46 -3.54	69.85 4.76 -9.77	75.21 4.76 -15.06	69.93 4.75 -9.91	71.28 4.69 -11.38	70.99 4.75 -10.98	75.37 4.82 -15.18	84.71 5.16 -21.52	108.30 6.20 -34.75	99.19 5.89 -27.10	89.35 5.05 -26.89	86.87 4.65 -26.89	79.70 4.58 -19.91	72.91 4.52 -13.30	68.09 4.29 -8.82
ROME____115KV_TB2 80656	53.27 1.30 0.00	50.91 1.34 0.00	48.80 1.19 0.00	49.68 1.16 0.00	49.88 1.12 0.00	51.12 1.20 0.00	51.11 1.49 0.00	55.75 1.78 0.00	56.63 1.81 0.00	57.03 1.93 0.00	57.56 1.88 -0.36	57.78 1.99 -0.40	57.35 1.71 -0.37	57.21 1.71 -0.29	57.71 1.93 -0.52	57.64 2.22 -0.05	60.52 2.50 0.00	70.71 2.96 -0.40	68.91 2.71 0.00	59.60 2.18 0.00	57.38 2.05 0.00	57.08 1.88 0.00	56.92 1.82 0.00	56.58 1.59 0.00
ROSETON___1 23587	54.87 2.91 0.00	52.25 2.68 0.00	50.23 2.62 0.00	51.28 2.76 0.00	51.54 2.78 0.00	52.79 2.84 -0.02	52.77 2.98 -0.18	57.21 3.24 0.00	60.01 3.29 -1.90	62.23 3.64 -3.50	67.08 3.87 -7.88	67.33 3.88 -8.07	66.47 3.81 -7.40	65.82 3.76 -6.85	69.91 3.81 -10.84	73.23 3.93 -13.92	83.48 4.18 -21.28	106.69 4.98 -34.36	97.76 4.77 -26.79	88.08 4.08 -26.58	85.68 3.76 -26.58	76.08 3.76 -17.12	71.94 3.69 -13.15	67.22 3.52 -8.72
ROSETON___2 23588	54.87 2.91 0.00	52.25 2.68 0.00	50.23 2.62 0.00	51.28 2.76 0.00	51.54 2.78 0.00	52.79 2.84 -0.02	52.77 2.98 -0.18	57.21 3.24 0.00	60.01 3.29 -1.90	62.23 3.64 -3.50	67.08 3.87 -7.88	67.33 3.88 -8.07	66.47 3.81 -7.40	65.82 3.76 -6.85	69.91 3.81 -10.84	73.23 3.93 -13.92	83.48 4.18 -21.28	106.69 4.98 -34.36	97.76 4.77 -26.79	88.08 4.08 -26.58	85.68 3.76 -26.58	76.08 3.76 -17.12	71.94 3.69 -13.15	67.22 3.52 -8.72
ROTTTRDAM_115KV_TB3 80664	53.84 1.87 0.00	51.31 1.74 0.00	49.33 1.71 0.00	50.26 1.75 0.00	50.56 1.80 0.00	51.93 1.90 -0.11	52.29 1.84 -0.83	55.97 2.00 0.00	65.79 2.08 -8.89	73.60 2.15 -16.35	70.90 2.21 -13.36	68.45 2.22 -10.85	67.53 2.16 -10.11	70.04 2.15 -12.68	74.86 2.16 -17.44	119.27 2.27 -61.63	159.92 2.44 -99.46	205.15 2.83 -134.97	195.56 2.71 -126.65	184.07 2.41 -124.25	181.85 2.27 -124.25	137.14 2.26 -79.67	118.75 2.20 -61.45	97.87 2.14 -40.74
RUSSELL___1 23602	48.69 -3.27 0.00	46.55 -3.02 0.00	44.42 -3.19 0.00	45.22 -3.30 0.00	45.49 -3.27 0.00	46.53 -3.39 0.00	46.14 -3.47 0.00	50.03 -3.94 0.00	51.37 -3.45 0.00	51.96 -3.14 -0.01	53.56 -2.71 -0.95	53.78 -2.66 -1.05	53.37 -2.87 -0.98	52.88 -3.09 -0.76	53.52 -3.09 -1.35	52.80 -2.71 -0.14	55.60 -2.44 -0.01	65.16 -3.23 -1.04	63.03 -3.18 -0.01	54.55 -2.87 -0.01	52.85 -2.49 -0.01	52.29 -2.93 -0.01	52.01 -3.09 0.00	51.57 -3.41 0.00
RUSSELL___2 23532	48.69 -3.27 0.00	46.55 -3.02 0.00	44.42 -3.19 0.00	45.22 -3.30 0.00	45.49 -3.27 0.00	46.53 -3.39 0.00	46.14 -3.47 0.00	50.03 -3.94 0.00	51.37 -3.45 0.00	51.96 -3.14 -0.01	53.56 -2.71 -0.95	53.78 -2.66 -1.05	53.37 -2.87 -0.98	52.88 -3.09 -0.76	53.52 -3.09 -1.35	52.80 -2.71 -0.14	55.60 -2.44 -0.01	65.16 -3.23 -1.04	63.03 -3.18 -0.01	54.55 -2.87 -0.01	52.85 -2.49 -0.01	52.29 -2.93 -0.01	52.01 -3.09 0.00	51.57 -3.41 0.00
RUSSELL___3 23549	48.69 -3.27 0.00	46.55 -3.02 0.00	44.42 -3.19 0.00	45.22 -3.30 0.00	45.49 -3.27 0.00	46.53 -3.39 0.00	46.14 -3.47 0.00	50.03 -3.94 0.00	51.37 -3.45 0.00	51.96 -3.14 -0.01	53.56 -2.71 -0.95	53.78 -2.66 -1.05	53.37 -2.87 -0.98	52.88 -3.09 -0.76	53.52 -3.09 -1.35	52.80 -2.71 -0.14	55.60 -2.44 -0.01	65.16 -3.23 -1.04	63.03 -3.18 -0.01	54.55 -2.87 -0.01	52.85 -2.49 -0.01	52.29 -2.93 -0.01	52.01 -3.09 0.00	51.57 -3.41 0.00
RUSSELL___4 23556	48.69 -3.27 0.00	46.55 -3.02 0.00	44.42 -3.19 0.00	45.22 -3.30 0.00	45.49 -3.27 0.00	46.53 -3.39 0.00	46.14 -3.47 0.00	50.03 -3.94 0.00	51.37 -3.45 0.00	51.96 -3.14 -0.01	53.56 -2.71 -0.95	53.78 -2.66 -1.05	53.37 -2.87 -0.98	52.88 -3.09 -0.76	53.52 -3.09 -1.35	52.80 -2.71 -0.14	55.60 -2.44 -0.01	65.16 -3.23 -1.04	63.03 -3.18 -0.01	54.55 -2.87 -0.01	52.85 -2.49 -0.01	52.29 -2.93 -0.01	52.01 -3.09 0.00	51.57 -3.41 0.00
RUSSELL___STATION 23914	48.69 -3.27 0.00	46.55 -3.02 0.00	44.42 -3.19 0.00	45.22 -3.30 0.00	45.49 -3.27 0.00	46.53 -3.39 0.00	46.14 -3.47 0.00	50.03 -3.94 0.00	51.37 -3.45 0.00	51.96 -3.14 -0.01	53.56 -2.71 -0.95	53.78 -2.66 -1.05	53.37 -2.87 -0.98	52.88 -3.09 -0.76	53.52 -3.09 -1.35	52.80 -2.71 -0.14	55.60 -2.44 -0.01	65.16 -3.23 -1.04	63.03 -3.18 -0.01	54.55 -2.87 -0.01	52.85 -2.49 -0.01	52.29 -2.93 -0.01	52.01 -3.09 0.00	51.57 -3.41 0.00
S SALMON___HYD 24043	50.67 -1.30 0.00	48.43 -1.14 0.00	46.37 -1.24 0.00	47.25 -1.26 0.00	47.44 -1.31 0.00	48.53 -1.40 0.00	48.38 -1.24 0.00	52.73 -1.24 0.00	53.61 -1.21 0.00	54.11 -0.99 0.00	54.96 -0.89 -0.53	55.20 -0.78 -0.59	54.81 -0.99 -0.55	54.64 -0.99 -0.42	55.07 -0.94 -0.75	54.79 -0.66 -0.07	57.50 -0.52 0.00	67.26 -0.67 -0.58	65.47 -0.73 0.00	56.67 -0.75 0.00	54.67 -0.66 0.00	54.49 -0.72 0.00	54.21 -0.88 0.00	53.94 -1.05 0.00
S.PERRY___115KV_TB1 80734	49.68 -2.29 0.00	47.44 -2.13 0.00	45.23 -2.38 0.00	45.99 -2.52 0.00	46.27 -2.49 0.00	47.33 -2.60 0.00	47.17 -2.48 -0.03	54.85 -2.64 -3.53	60.14 -2.47 -7.79	88.40 -2.26 -35.57	94.33 -1.94 -40.94	95.04 -1.94 -41.60	94.16 -2.32 -41.22	93.64 -2.54 -40.98	94.91 -2.54 -42.19	97.17 -1.99 -43.79	104.72 -1.39 -48.09	123.58 -1.55 -57.78	119.45 -1.52 -54.77	105.62 -1.44 -49.64	97.74 -1.33 -43.74	98.23 -1.82 -44.85	70.03 -2.04 -16.97	54.44 -2.20 -1.66
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	45.89 -6.08 0.00	44.12 -5.45 0.00	41.99 -5.62 0.00	42.60 -5.92 0.00	42.91 -5.85 0.00	43.79 -6.14 0.00	43.15 -6.50 -0.03	45.83 -7.18 0.96	45.88 -7.24 1.70	39.24 -6.89 8.97	39.00 -6.53 9.80	38.90 -6.48 10.01	38.63 -6.63 10.00	38.26 -6.96 9.99	38.75 -6.91 9.60	39.74 -6.70 8.93	43.12 -6.50 8.40	50.72 -8.15 8.48	49.21 -7.94 9.04	42.95 -6.83 7.63	43.01 -6.31 6.01	40.12 -6.62 8.47	46.69 -6.72 1.69	49.89 -6.60 -1.51



SAWYER___23_KV_LOAD 55526	45.89	44.12	41.99	42.60	42.91	43.79	43.15	45.83	45.88	39.24	39.00	38.90	38.63	38.26	38.75	39.74	43.12	50.72	49.21	42.95	43.01	40.12	46.69	49.89
	-6.08	-5.45	-5.62	-5.92	-5.85	-6.14	-6.50	-7.18	-7.24	-6.89	-6.53	-6.48	-6.63	-6.96	-6.91	-6.70	-6.50	-8.15	-7.94	-6.83	-6.31	-6.62	-6.72	-6.60
	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.96	1.70	8.97	9.80	10.01	10.00	9.99	9.60	8.93	8.40	8.48	9.04	7.63	6.01	8.47	1.69	-1.51
SELKIRK___I 23801	54.10	51.56	49.61	50.55	50.85	52.07	52.01	56.02	61.05	64.99	68.39	67.83	67.00	67.13	72.28	87.81	108.09	139.72	129.23	119.29	117.13	95.60	86.74	76.85
	2.13	1.98	2.00	2.04	2.10	2.10	1.99	2.05	1.97	2.04	2.16	2.22	2.21	2.21	2.21	2.22	2.32	2.62	2.51	2.24	2.16	2.15	2.15	2.31
	0.00	0.00	0.00	0.00	0.00	-0.05	-0.40	0.00	-4.27	-7.85	-10.92	-10.22	-9.53	-9.72	-14.81	-30.22	-47.74	-69.74	-60.52	-59.64	-59.64	-38.24	-29.50	-19.56
SELKIRK___II 23799	53.94	51.41	49.47	50.40	50.71	51.92	51.92	55.97	61.21	65.42	68.71	68.01	67.18	67.34	72.53	89.17	110.35	142.75	132.19	122.19	119.97	97.40	88.12	77.69
	1.97	1.84	1.85	1.89	1.95	1.95	1.89	2.00	1.92	2.09	2.27	2.27	2.27	2.21	2.21	2.16	2.26	2.62	2.51	2.24	2.10	2.10	2.09	2.20
	0.00	0.00	0.00	0.00	0.00	-0.06	-0.42	0.00	-4.47	-8.23	-11.12	-10.36	-9.65	-9.93	-15.06	-31.64	-50.06	-72.77	-63.48	-62.54	-62.54	-40.10	-30.93	-20.51
SENECA OSWGO___HYD 24041	50.20	47.89	45.94	46.82	47.05	48.17	47.98	52.24	53.12	53.61	54.58	54.77	54.55	54.25	54.73	54.19	56.80	66.52	64.74	56.10	54.06	53.77	53.61	53.39
	-1.77	-1.69	-1.67	-1.70	-1.71	-1.75	-1.64	-1.73	-1.70	-1.49	-1.33	-1.27	-1.33	-1.44	-1.38	-1.27	-1.22	-1.48	-1.46	-1.32	-1.27	-1.44	-1.49	-1.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.59	-0.66	-0.61	-0.48	-0.85	-0.08	0.00	-0.65	0.00	0.00	0.00	0.00	0.00	0.00
SENECA___115KV_TB3 355854	46.46	44.62	42.47	43.03	43.39	44.24	43.65	46.33	46.15	39.18	38.94	38.84	38.56	38.24	38.71	39.71	43.13	51.02	49.45	43.11	43.11	40.10	46.92	50.57
	-5.51	-4.96	-5.14	-5.48	-5.36	-5.69	-6.00	-6.64	-6.91	-6.61	-6.25	-6.20	-6.35	-6.62	-6.63	-6.42	-6.21	-7.61	-7.41	-6.43	-6.03	-6.35	-6.45	-5.99
	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	1.00	1.76	9.30	10.13	10.35	10.34	10.34	9.92	9.24	8.68	8.72	9.34	7.88	6.19	8.75	1.73	-1.58
SENECA___ENERGY 23797	50.04	47.79	45.71	46.57	46.86	47.98	47.86	52.27	53.56	56.15	57.44	57.66	57.28	57.03	57.67	58.50	62.58	73.98	71.68	62.71	60.21	58.70	56.03	54.42
	-1.92	-1.78	-1.91	-1.94	-1.90	-1.95	-1.78	-1.94	-2.03	-1.82	-1.66	-1.55	-1.71	-1.82	-1.61	-1.39	-1.62	-1.59	-1.43	-1.44	-1.71	-1.87	-1.76	-1.76
	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.24	-0.77	-2.87	-3.78	-3.82	-3.73	-3.64	-4.23	-4.73	-5.95	-8.24	-7.07	-6.72	-6.32	-5.20	-2.81	-1.20
SHOEMAKER___GT 23640	54.36	51.81	49.76	50.80	51.05	52.29	52.21	56.61	59.21	61.30	65.62	65.49	65.00	64.25	68.34	71.38	81.18	103.27	94.95	85.44	83.01	73.95	70.28	65.96
	2.39	2.23	2.14	2.28	2.29	2.35	2.43	2.64	2.63	2.97	3.15	3.16	3.09	3.03	3.09	3.21	3.48	4.18	3.97	3.44	3.10	3.09	3.03	2.91
	0.00	0.00	0.00	0.00	0.00	-0.02	-0.17	0.00	-1.76	-3.23	-7.14	-6.95	-6.65	-6.01	-9.99	-12.79	-19.68	-31.75	-24.78	-24.58	-24.58	-15.65	-12.16	-8.06
SHOEMAKR_138KV_BK 111 55601	54.36	51.80	49.75	50.79	51.05	52.29	52.16	56.61	59.20	61.23	65.57	65.46	64.97	64.22	68.28	71.30	81.05	102.99	94.78	85.28	82.85	73.80	70.15	65.85
	2.39	2.23	2.14	2.28	2.29	2.35	2.38	2.64	2.63	2.92	3.15	3.16	3.09	3.04	3.09	3.21	3.48	4.11	3.97	3.44	3.10	3.04	2.98	2.86
	0.00	0.00	0.00	0.00	0.00	-0.02	-0.16	0.00	-1.75	-3.21	-7.10	-6.92	-6.61	-5.98	-9.92	-12.71	-19.55	-31.54	-24.61	-24.42	-24.42	-15.55	-12.08	-8.01
SHOREHAM_IC_1 23715	68.12	63.32	53.00	54.15	55.07	57.77	62.39	68.49	71.27	73.99	86.59	83.70	79.36	81.38	84.45	95.75	126.31	138.15	133.15	122.50	113.10	113.08	90.37	82.03
	5.97	5.65	5.38	5.63	5.70	5.89	6.05	6.85	6.85	7.16	7.25	7.03	6.85	6.90	7.46	7.75	8.24	9.76	9.34	7.87	7.58	7.56	7.49	7.42
	-10.18	-8.10	-0.01	-0.01	-0.61	-1.96	-6.73	-7.67	-9.60	-11.74	-24.03	-21.28	-17.24	-19.28	-21.74	-32.62	-60.05	-61.04	-57.61	-57.22	-50.19	-50.31	-27.78	-19.63
SHOREHAM_IC_2 23716	68.12	63.32	53.00	54.15	55.07	57.77	62.39	68.49	71.27	73.99	86.59	83.70	79.36	81.38	84.45	95.75	126.31	138.15	133.15	122.50	113.10	113.08	90.37	82.03
	5.97	5.65	5.38	5.63	5.70	5.89	6.05	6.85	6.85	7.16	7.25	7.03	6.85	6.90	7.46	7.75	8.24	9.76	9.34	7.87	7.58	7.56	7.49	7.42
	-10.18	-8.10	-0.01	-0.01	-0.61	-1.96	-6.73	-7.67	-9.60	-11.74	-24.03	-21.28	-17.24	-19.28	-21.74	-32.62	-60.05	-61.04	-57.61	-57.22	-50.19	-50.31	-27.78	-19.63
SISSONVILLE____ 23735	50.72	48.43	46.47	47.20	47.39	48.53	48.18	52.51	53.34	53.22	53.16	53.23	53.11	53.11	53.11	53.16	55.59	64.79	63.95	55.41	53.39	53.49	53.50	53.50
	-1.25	-1.14	-1.14	-1.31	-1.37	-1.40	-1.44	-1.46	-1.48	-1.87	-2.16	-2.16	-2.16	-2.10	-2.16	-2.22	-2.44	-2.56	-2.25	-2.01	-1.94	-1.71	-1.60	-1.48
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS1 24169	49.63	47.39	45.47	46.33	46.57	47.63	47.44	51.59	52.46	52.84	53.63	53.81	53.59	53.38	53.72	53.34	55.94	65.38	63.69	55.24	53.23	53.00	52.84	52.68
	-2.34	-2.18	-2.14	-2.18	-2.19	-2.30	-2.18	-2.37	-2.36	-2.26	-2.16	-2.10	-2.16	-2.21	-2.21	-2.10	-2.09	-2.49	-2.52	-2.18	-2.10	-2.21	-2.26	-2.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	-0.53	-0.49	-0.38	-0.67	-0.07	0.00	-0.52	0.00	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS2 24170	49.63	47.39	45.47	46.33	46.57	47.63	47.44	51.59	52.46	52.84	53.63	53.81	53.59	53.38	53.72	53.34	55.94	65.38	63.69	55.24	53.23	53.00	52.84	52.68
	-2.34	-2.18	-2.14	-2.18	-2.19	-2.30	-2.18	-2.37	-2.36	-2.26	-2.16	-2.10	-2.16	-2.21	-2.21	-2.10	-2.09	-2.49	-2.52	-2.18	-2.10	-2.21	-2.26	-2.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	-0.53	-0.49	-0.38	-0.67	-0.07	0.00	-0.52	0.00	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS3 24171	49.63	47.39	45.47	46.33	46.57	47.63	47.44	51.59	52.46	52.84	53.63	53.81	53.59	53.38	53.72	53.34	55.94	65.38	63.69	55.24	53.23	53.00	52.84	52.68
	-2.34	-2.18	-2.14	-2.18	-2.19	-2.30	-2.18	-2.37	-2.36	-2.26	-2.16	-2.10	-2.16	-2.21	-2.21	-2.10	-2.09	-2.49	-2.52	-2.18	-2.10	-2.21	-2.26	-2.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	-0.53	-0.49	-0.38	-0.67	-0.07	0.00	-0.52	0.00	0.00	0.00	0.00	0.00	0.00
SITHE_IND_GS4 24172	49.63	47.39	45.47	46.33	46.57	47.63	47.44	51.59	52.46	52.84	53.63	53.81	53.59	53.38	53.72	53.34	55.94	65.38	63.69	55.24	53.23	53.00	52.84	52.68
	-2.34	-2.18	-2.14	-2.18	-2.19	-2.30	-2.18	-2.37	-2.36	-2.26	-2.16	-2.10	-2.16	-2.21	-2.21	-2.10	-2.09	-2.49	-2.52	-2.18	-2.10	-2.21	-2.26	-2.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.47	-0.53	-0.49	-0.38	-0.67	-0.07	0.00	-0.52	0.00	0.00	0.00	0.00	0.00	0.00



SITHE___BATAVIA 24024	47.55 -4.42 0.00	45.56 -4.01 0.00	43.37 -4.24 0.00	44.05 -4.46 0.00	44.37 -4.39 0.00	45.33 -4.59 0.00	44.98 -4.67 -0.03	48.34 -5.13 0.50	49.23 -4.82 0.76	46.28 -4.41 4.41	46.71 -4.04 4.57	46.66 -4.04 4.68	46.35 -4.20 4.71	45.94 -4.53 4.74	46.44 -4.53 4.29	47.58 -4.04 3.75	51.40 -3.60 3.02	60.31 -4.78 2.26	58.40 -4.77 3.03	50.98 -4.13 2.30	50.21 -3.65 1.47	47.69 -4.20 3.32	50.57 -4.46 0.07	51.52 -4.78 -1.32
SITHE___INDEPEND 23800	49.63 -2.34 0.00	47.34 -2.23 0.00	45.47 -2.14 0.00	46.33 -2.18 0.00	46.56 -2.19 0.00	47.63 -2.30 0.00	47.39 -2.23 0.00	51.59 -2.37 0.00	52.46 -2.36 0.00	52.84 -2.26 0.00	53.64 -2.16 -0.47	53.81 -2.10 -0.53	53.60 -2.16 -0.49	53.38 -2.21 -0.38	53.72 -2.21 -0.67	53.34 -2.10 -0.07	55.94 -2.09 0.00	65.38 -2.49 -0.52	63.69 -2.52 0.00	55.24 -2.18 0.00	53.23 -2.10 0.00	53.00 -2.21 0.00	52.89 -2.20 0.00	52.67 -2.31 0.00
SITHE___MASSENA 23902	51.97 0.00 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.42 -0.10 0.00	48.66 -0.10 0.00	49.77 -0.15 0.00	49.32 -0.30 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.60 0.00	54.55 -0.77 0.00	54.56 -0.83 0.00	54.49 -0.77 0.00	54.49 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.94 0.00	56.86 -1.16 0.00	66.20 -1.15 0.00	65.27 -0.93 0.00	56.61 -0.80 0.00	54.61 -0.72 0.00	54.71 -0.50 0.00	54.71 -0.38 0.00	54.76 -0.22 0.00
SITHE___OGDNSBRG 24021	52.28 0.31 0.00	49.97 0.40 0.00	47.90 0.29 0.00	48.71 0.19 0.00	48.90 0.15 0.00	50.07 0.15 0.00	49.77 0.15 0.00	54.24 0.27 0.00	54.98 0.16 0.00	54.82 -0.28 0.00	54.71 -0.61 0.00	54.78 -0.61 0.00	54.60 -0.66 0.00	54.65 -0.55 0.00	54.71 -0.55 0.00	54.88 -0.50 0.00	57.39 -0.64 0.00	66.95 -0.40 0.00	66.00 -0.20 0.00	57.13 -0.29 0.00	55.05 -0.28 0.00	55.15 -0.06 0.00	55.15 0.06 0.00	55.20 0.22 0.00
SITHE___STERLING 23777	52.90 0.94 0.00	50.56 0.99 0.00	48.47 0.86 0.00	49.39 0.87 0.00	49.64 0.88 0.00	50.87 0.95 0.00	50.81 1.19 0.00	55.37 1.40 0.00	56.24 1.42 0.00	56.59 1.49 0.00	57.24 1.49 -0.42	57.47 1.61 -0.47	57.08 1.38 -0.44	56.93 1.38 -0.34	57.41 1.55 -0.61	57.21 1.77 -0.06	60.00 1.97 0.00	70.11 2.29 -0.47	68.32 2.12 0.00	59.14 1.72 0.00	56.94 1.61 0.00	56.64 1.43 0.00	56.47 1.38 0.00	56.25 1.27 0.00
SLEIGHT__34_KV_TB1 80719	49.26 -2.70 0.00	47.04 -2.53 0.00	44.99 -2.62 0.00	45.80 -2.72 0.00	46.08 -2.68 0.00	47.18 -2.75 0.00	46.94 -2.68 0.00	51.05 -2.91 0.00	52.19 -2.63 0.00	52.79 -2.31 -0.01	54.25 -1.99 -0.92	54.52 -1.88 -1.02	54.11 -2.10 -0.95	53.68 -2.26 -0.74	54.30 -2.27 -1.31	53.52 -1.99 -0.14	56.23 -1.80 -0.01	66.07 -2.29 -1.01	63.96 -2.25 -0.01	55.36 -2.07 -0.01	53.51 -1.83 -0.01	53.00 -2.21 -0.01	52.73 -2.37 0.00	52.34 -2.64 0.00
SOUTH CAIRO___GT 23612	56.28 4.31 0.00	53.69 4.11 0.00	51.52 3.90 0.00	52.40 3.88 0.00	52.71 3.95 0.00	53.57 3.59 -0.05	53.57 3.57 -0.38	58.18 4.21 0.00	62.80 3.89 -4.08	66.63 4.02 -7.52	69.58 3.82 -10.44	68.93 3.77 -9.78	67.97 3.59 -9.12	68.09 3.59 -9.30	73.02 3.59 -14.17	88.07 3.77 -28.93	108.09 4.35 -45.71	139.51 5.39 -66.77	129.38 5.23 -57.95	119.11 4.59 -57.10	116.53 4.09 -57.11	95.80 3.97 -36.62	87.25 3.91 -28.24	77.94 4.23 -18.73
SOUTH HAMPTN___IC 23720	68.27 6.13 -10.17	63.41 5.75 -8.09	53.14 5.52 -0.01	54.25 5.72 -0.01	55.22 5.85 -0.61	57.92 6.04 -1.95	62.54 6.20 -6.72	68.64 7.01 -7.66	71.43 7.02 -9.59	74.10 7.27 -11.73	86.63 7.30 -24.01	83.76 7.09 -21.28	79.41 6.91 -17.24	81.49 7.01 -19.27	84.50 7.51 -21.72	95.84 7.86 -32.60	126.44 8.41 -60.01	138.32 9.97 -61.00	133.31 9.53 -57.58	122.58 7.98 -57.18	113.18 7.69 -50.17	113.15 7.67 -50.28	90.41 7.55 -27.76	82.24 7.64 -19.62
SOUTHDOW_115KV_TB1 355954	46.87 -5.09 0.00	45.01 -4.56 0.00	42.75 -4.86 0.00	43.23 -5.29 0.00	43.64 -5.12 0.00	44.49 -5.44 0.00	44.00 -5.66 -0.04	48.13 -5.29 0.55	48.34 -5.70 0.78	43.99 -6.34 4.77	44.37 -6.03 4.92	44.24 -6.09 5.05	44.04 -6.13 5.09	43.57 -6.51 5.12	44.23 -6.47 4.56	45.43 -6.20 3.74	50.28 -5.05 2.69	59.85 -5.93 1.57	58.03 -5.63 2.54	50.80 -4.88 1.73	49.60 -4.92 0.81	46.98 -5.08 3.15	50.03 -5.40 -0.33	51.42 -5.28 -1.72
SOUTHOLD_69_KV_BK 2 55809	68.37 6.24 -10.17	63.46 5.80 -8.09	53.14 5.52 -0.01	54.25 5.72 -0.01	55.27 5.90 -0.61	57.97 6.09 -1.95	62.59 6.25 -6.72	68.75 7.12 -7.66	71.53 7.13 -9.59	73.99 7.16 -11.73	86.41 7.08 -24.01	83.48 6.81 -21.28	79.41 6.91 -17.24	81.32 6.85 -19.27	84.44 7.46 -21.72	95.84 7.86 -32.60	126.55 8.53 -60.00	138.53 10.17 -61.01	133.38 9.60 -57.58	122.64 8.04 -57.18	113.13 7.64 -50.17	113.16 7.67 -50.28	90.29 7.44 -27.75	82.34 7.75 -19.61
SOUTHOLD___IC 23719	68.37 6.23 -10.17	63.46 5.80 -8.09	53.14 5.52 -0.01	54.25 5.72 -0.01	55.22 5.85 -0.61	57.97 6.09 -1.95	62.64 6.30 -6.72	68.75 7.12 -7.66	71.53 7.12 -9.59	74.21 7.39 -11.73	86.58 7.25 -24.01	83.59 6.92 -21.28	79.29 6.80 -17.24	81.32 6.84 -19.27	84.44 7.46 -21.72	95.79 7.81 -32.60	126.56 8.53 -60.01	138.53 10.17 -61.01	133.37 9.60 -57.58	122.64 8.04 -57.18	113.14 7.64 -50.17	113.10 7.62 -50.28	90.29 7.44 -27.76	82.35 7.75 -19.62
SOUTH_FORK_WT_PWR 323839	67.85 5.72 -10.17	62.97 5.31 -8.09	52.66 5.04 -0.01	53.77 5.24 -0.01	54.73 5.36 -0.61	57.42 5.54 -1.95	62.09 5.75 -6.72	68.21 6.58 -7.66	70.98 6.58 -9.59	73.65 6.83 -11.73	85.86 6.52 -24.01	82.92 6.26 -21.28	78.58 6.08 -17.24	80.66 6.18 -19.27	83.72 6.74 -21.72	95.12 7.15 -32.60	125.81 7.78 -60.01	137.71 9.36 -61.00	132.45 8.67 -57.58	121.83 7.23 -57.18	112.41 6.92 -50.17	112.33 6.84 -50.28	89.58 6.72 -27.76	81.80 7.20 -19.62
SPIERFLS_115KV_TB 1 80737	55.66 3.69 0.00	52.99 3.42 0.00	50.90 3.29 0.00	51.77 3.25 0.00	52.12 3.36 0.00	53.72 3.69 -0.10	54.02 3.62 -0.78	57.85 3.89 0.00	67.38 4.22 -8.34	74.80 4.35 -15.35	72.63 4.26 -13.05	70.45 4.32 -10.74	69.53 4.26 -10.01	71.77 4.25 -12.31	76.61 4.26 -17.09	117.62 4.32 -57.92	155.98 4.58 -93.37	200.00 5.39 -127.26	190.36 5.30 -118.86	178.65 4.59 -116.64	176.34 4.37 -116.64	134.31 4.31 -74.79	116.92 4.13 -57.69	97.24 4.01 -38.25
ST LAWRENCE____ 23600	51.71 -0.26 0.00	49.37 -0.20 0.00	47.37 -0.24 0.00	48.23 -0.29 0.00	48.47 -0.29 0.00	49.63 -0.30 0.00	49.17 -0.45 0.00	53.53 -0.43 0.00	54.38 -0.44 0.00	54.27 -0.82 0.00	54.27 -1.05 0.00	54.28 -1.11 0.00	54.27 -0.99 0.00	54.27 -0.94 0.00	54.27 -0.99 0.00	54.21 -1.17 0.00	56.69 -1.33 0.00	65.93 -1.42 0.00	64.94 -1.26 0.00	56.32 -1.09 0.00	54.34 -0.99 0.00	54.38 -0.83 0.00	54.44 -0.66 0.00	54.43 -0.55 0.00
STATE_CA_115KV_115_LB 55624	54.36 2.39 0.00	51.85 2.28 0.00	49.85 2.24 0.00	50.79 2.28 0.00	51.05 2.29 0.00	52.34 2.35 -0.08	52.52 2.33 -0.57	56.34 2.37 0.00	63.35 2.41 -6.12	68.89 2.53 -11.26	70.02 2.77 -11.93	68.72 2.82 -10.51	67.88 2.82 -9.80	68.96 2.82 -10.93	73.94 2.76 -15.91	100.84 2.66 -42.80	129.27 2.79 -68.46	166.42 3.17 -95.91	156.25 3.05 -87.00	145.63 2.70 -85.52	143.39 2.55 -85.52	112.58 2.54 -54.84	99.93 2.53 -42.29	85.66 2.64 -28.04



STATE_ST_34_KV_LOAD 55959	50.98 -0.99 0.00	48.68 -0.89 0.00	46.66 -0.95 0.00	47.54 -0.97 0.00	47.78 -0.98 0.00	48.98 -0.95 0.00	48.80 -0.84 -0.02	53.21 -0.76 0.00	54.37 -0.71 -0.26	55.08 -0.50 -0.48	56.04 -0.33 -1.05	56.21 -0.22 -1.05	55.85 -0.39 -0.98	55.61 -0.50 -0.90	56.21 -0.50 -1.45	56.99 -0.28 -1.89	60.87 -0.06 -2.91	71.88 -0.13 -4.67	69.76 -0.07 -3.63	60.93 -0.11 -3.63	58.79 -0.17 -3.63	57.15 -0.39 -2.33	56.34 -0.55 -1.80	55.51 -0.66 -1.19
STATION_5_MISC_HYD 23604	48.43 -3.54 0.00	46.35 -3.22 0.00	44.23 -3.38 0.00	45.02 -3.49 0.00	45.30 -3.46 0.00	46.33 -3.60 0.00	46.05 -3.57 0.00	49.76 -4.21 0.00	51.09 -3.73 0.00	51.69 -3.42 -0.01	53.17 -3.10 -0.95	53.39 -3.05 -1.05	53.10 -3.15 -0.98	52.55 -3.42 -0.76	53.24 -3.37 -1.35	52.47 -3.05 -0.14	55.25 -2.78 -0.01	64.76 -3.64 -1.04	62.57 -3.64 -0.01	54.21 -3.21 -0.01	52.52 -2.82 -0.01	51.96 -3.26 -0.01	51.63 -3.47 0.00	51.35 -3.63 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	49.63 -2.34 0.00	47.44 -2.13 0.00	45.33 -2.29 0.00	46.14 -2.38 0.00	46.47 -2.29 0.00	47.53 -2.40 0.00	47.24 -2.38 0.00	51.38 -2.59 0.00	52.46 -2.36 0.00	53.06 -2.04 0.00	54.54 -1.71 -0.93	54.76 -1.66 -1.04	54.35 -1.88 -0.97	53.92 -2.04 -0.75	54.55 -2.04 -1.33	53.79 -1.72 -0.14	56.58 -1.45 0.00	66.49 -1.89 -1.03	64.35 -1.85 -0.01	55.70 -1.72 0.00	53.79 -1.55 0.00	53.28 -1.93 0.00	53.00 -2.09 0.00	52.67 -2.31 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	48.33 -3.64 0.00	46.25 -3.32 0.00	44.18 -3.43 0.00	44.92 -3.59 0.00	45.25 -3.51 0.00	46.23 -3.69 0.00	45.90 -3.72 0.00	49.76 -4.21 0.00	51.04 -3.78 0.00	51.63 -3.47 -0.01	53.16 -3.10 -0.93	53.38 -3.05 -1.04	52.97 -3.26 -0.97	52.48 -3.48 -0.76	53.11 -3.48 -1.33	52.41 -3.10 -0.14	55.13 -2.90 -0.01	64.61 -3.77 -1.03	62.50 -3.71 -0.01	54.15 -3.27 -0.01	52.40 -2.93 -0.01	51.90 -3.31 -0.01	51.63 -3.47 0.00	51.24 -3.74 0.00
STA_56___34_KV_BUS2 355983	48.33 -3.64 0.00	46.25 -3.32 0.00	44.18 -3.43 0.00	44.92 -3.59 0.00	45.25 -3.51 0.00	46.23 -3.69 0.00	45.90 -3.72 0.00	49.76 -4.21 0.00	51.04 -3.78 0.00	51.63 -3.47 -0.01	53.16 -3.10 -0.93	53.38 -3.05 -1.04	52.97 -3.26 -0.97	52.48 -3.48 -0.76	53.11 -3.48 -1.33	52.41 -3.10 -0.14	55.13 -2.90 -0.01	64.61 -3.77 -1.03	62.50 -3.71 -0.01	54.15 -3.27 -0.01	52.40 -2.93 -0.01	51.90 -3.31 -0.01	51.63 -3.47 0.00	51.24 -3.74 0.00
STA_67___115KV_BK2 355882	48.33 -3.64 0.00	46.25 -3.32 0.00	44.14 -3.48 0.00	44.92 -3.59 0.00	45.20 -3.56 0.00	46.23 -3.69 0.00	45.85 -3.77 0.00	49.70 -4.26 0.00	50.93 -3.89 0.00	51.58 -3.53 -0.01	53.11 -3.15 -0.95	53.34 -3.10 -1.05	52.93 -3.32 -0.98	52.44 -3.53 -0.77	53.07 -3.54 -1.35	52.30 -3.21 -0.14	55.07 -2.96 -0.01	64.49 -3.91 -1.04	62.37 -3.84 -0.01	54.04 -3.39 -0.01	52.35 -2.99 -0.01	51.85 -3.37 -0.01	51.57 -3.53 0.00	51.19 -3.79 0.00
STA_7___115KV_9TRANS 80674	48.69 -3.27 0.00	46.55 -3.02 0.00	44.42 -3.19 0.00	45.22 -3.30 0.00	45.49 -3.27 0.00	46.53 -3.39 0.00	46.14 -3.47 0.00	50.03 -3.94 0.00	51.37 -3.45 0.00	51.96 -3.14 -0.01	53.56 -2.71 -0.95	53.78 -2.66 -1.05	53.37 -2.87 -0.98	52.88 -3.09 -0.76	53.52 -3.09 -1.35	52.80 -2.71 -0.14	55.60 -2.44 -0.01	65.16 -3.23 -1.04	63.03 -3.18 -0.01	54.55 -2.87 -0.01	52.85 -2.49 -0.01	52.29 -2.93 -0.01	52.01 -3.09 0.00	51.57 -3.41 0.00
STA_82___115KV_TB1 80780	48.33 -3.64 0.00	46.25 -3.32 0.00	44.18 -3.43 0.00	44.92 -3.59 0.00	45.25 -3.51 0.00	46.23 -3.69 0.00	45.85 -3.77 0.00	49.71 -4.26 0.00	50.98 -3.84 0.00	51.59 -3.53 -0.02	53.13 -3.15 -0.96	53.35 -3.10 -1.07	53.00 -3.26 -0.99	52.45 -3.53 -0.78	53.14 -3.48 -1.36	52.37 -3.16 -0.15	55.09 -2.96 -0.02	64.57 -3.84 -1.06	62.45 -3.77 -0.03	54.11 -3.33 -0.02	52.42 -2.93 -0.02	51.86 -3.37 -0.02	51.63 -3.47 -0.01	51.19 -3.79 0.00
STEEL___WIND 323596	46.35 -5.61 0.00	44.57 -5.00 0.00	42.37 -5.24 0.00	42.98 -5.53 0.00	43.30 -5.46 0.00	44.19 -5.74 0.00	43.74 -5.91 -0.03	46.27 -6.69 1.00	46.04 -7.02 1.76	39.07 -6.72 9.30	38.72 -6.47 10.13	38.61 -6.42 10.35	38.45 -6.47 10.34	38.07 -6.79 10.34	38.60 -6.74 9.92	39.60 -6.53 9.24	42.96 -6.38 8.68	50.82 -7.81 8.72	49.25 -7.61 9.34	42.94 -6.60 7.88	42.94 -6.20 6.19	40.05 -6.40 8.75	46.81 -6.56 1.73	50.51 -6.05 -1.58
STEPHTWN_115KV_BK_2 55603	54.82 2.86 0.00	52.25 2.68 0.00	50.23 2.62 0.00	51.13 2.62 0.00	51.44 2.68 0.00	52.78 2.80 -0.06	52.84 2.73 -0.49	56.83 2.86 0.00	62.93 2.91 -5.21	67.71 3.03 -9.58	70.05 3.26 -11.47	69.06 3.27 -10.41	68.22 3.26 -9.70	68.77 3.20 -10.36	73.83 3.15 -15.41	95.03 3.05 -36.61	119.54 3.25 -58.26	154.19 3.77 -83.07	143.81 3.64 -73.97	133.41 3.22 -72.78	131.16 3.04 -72.78	104.91 3.04 -46.67	94.12 3.03 -36.00	82.04 3.19 -23.87
STEUBEN_REC_LFGE 323667	47.65 -4.31 0.00	45.51 -4.06 0.00	43.42 -4.19 0.00	44.05 -4.46 0.00	44.37 -4.39 0.00	45.34 -4.59 -0.01	45.25 -4.42 -0.04	51.82 -4.59 -2.44	55.25 -5.15 -5.59	75.39 -4.63 -24.93	79.95 -4.37 -29.00	80.62 -4.21 -29.44	79.98 -4.42 -29.14	79.49 -4.64 -28.93	80.50 -4.92 -30.16	82.33 -4.82 -31.77	89.11 -4.53 -35.61	105.96 -5.05 -43.66	102.25 -4.83 -40.89	90.46 -4.25 -37.29	84.18 -4.37 -33.22	83.62 -4.47 -32.89	63.96 -4.35 -13.22	53.17 -3.96 -2.15
STILLWATER___SOLAR 323814	55.19 3.22 0.00	52.55 2.97 0.00	50.52 2.90 0.00	51.43 2.91 0.00	51.78 3.02 0.00	53.22 3.20 -0.10	53.50 3.13 -0.76	57.32 3.35 0.00	66.45 3.56 -8.07	73.58 3.64 -14.85	71.80 3.59 -12.89	69.73 3.65 -10.69	68.81 3.59 -9.96	70.92 3.59 -12.12	75.82 3.65 -16.91	115.15 3.71 -56.07	152.29 3.95 -90.32	195.32 4.58 -123.39	185.66 4.50 -114.96	174.15 3.91 -112.83	171.92 3.76 -112.83	131.26 3.70 -72.35	114.48 3.58 -55.80	95.50 3.52 -37.00
STONY___BROOK 24151	67.89 5.72 -10.21	63.05 5.36 -8.12	52.76 5.14 -0.01	53.91 5.38 -0.01	54.78 5.41 -0.61	57.47 5.59 -1.96	62.11 5.75 -6.74	68.13 6.47 -7.69	70.96 6.52 -9.62	73.74 6.89 -11.76	86.46 7.08 -24.06	83.53 6.87 -21.28	79.26 6.74 -17.26	81.28 6.79 -19.29	84.26 7.24 -21.76	95.51 7.47 -32.66	126.07 7.89 -60.15	137.68 9.23 -61.10	132.76 8.87 -57.69	122.29 7.58 -57.30	112.83 7.25 -50.25	112.82 7.23 -50.38	90.07 7.16 -27.82	81.68 7.04 -19.66
STURGEON_POOL_HYD 23609	56.59 4.63 0.00	53.89 4.31 0.00	51.66 4.05 0.00	52.78 4.27 0.00	53.05 4.29 0.00	54.50 4.54 -0.03	54.51 4.66 -0.23	59.04 5.07 0.00	62.61 5.37 -2.42	65.33 5.79 -4.44	69.43 5.81 -8.30	69.35 5.82 -8.15	68.49 5.64 -7.59	67.93 5.52 -7.21	72.25 5.58 -11.41	78.66 5.87 -17.41	91.62 6.56 -27.04	117.20 8.01 -41.83	108.09 7.75 -34.15	97.91 6.72 -33.78	95.08 5.98 -33.78	82.72 5.85 -21.66	77.53 5.73 -16.71	71.61 5.55 -11.08
ST_LAW_115_BK7_LBMP 345037	51.71 -0.26 0.00	49.33 -0.25 0.00	47.37 -0.24 0.00	48.23 -0.29 0.00	48.42 -0.34 0.00	49.58 -0.35 0.00	49.17 -0.45 0.00	53.53 -0.43 0.00	54.32 -0.49 0.00	54.21 -0.88 0.00	54.21 -1.11 0.00	54.22 -1.17 0.00	54.21 -1.05 0.00	54.21 -0.99 0.00	54.21 -1.05 0.00	54.16 -1.22 0.00	56.58 -1.45 0.00	65.80 -1.55 0.00	64.88 -1.32 0.00	56.27 -1.15 0.00	54.28 -1.05 0.00	54.32 -0.89 0.00	54.38 -0.72 0.00	54.43 -0.55 0.00



ST_LAW_115_BK8_LBMP 345038	51.71 -0.26 0.00	49.33 -0.25 0.00	47.37 -0.24 0.00	48.23 -0.29 0.00	48.42 -0.34 0.00	49.58 -0.35 0.00	49.17 -0.45 0.00	53.53 -0.43 0.00	54.32 -0.49 0.00	54.21 -0.88 0.00	54.21 -1.11 0.00	54.22 -1.17 0.00	54.21 -1.05 0.00	54.21 -0.99 0.00	54.21 -1.05 0.00	54.16 -1.22 0.00	56.58 -1.45 0.00	65.80 -1.55 0.00	64.88 -1.32 0.00	56.27 -1.15 0.00	54.28 -1.05 0.00	54.32 -0.89 0.00	54.38 -0.72 0.00	54.43 -0.55 0.00
ST_LAW_230_BK5_LBMP 345035	51.71 -0.26 0.00	49.37 -0.20 0.00	47.37 -0.24 0.00	48.23 -0.29 0.00	48.47 -0.29 0.00	49.63 -0.30 0.00	49.17 -0.45 0.00	53.53 -0.43 0.00	54.38 -0.44 0.00	54.27 -0.82 0.00	54.27 -1.05 0.00	54.28 -1.11 0.00	54.27 -0.99 0.00	54.27 -0.94 0.00	54.27 -0.99 0.00	54.21 -1.17 0.00	56.69 -1.33 0.00	65.93 -1.42 0.00	64.94 -1.26 0.00	56.32 -1.09 0.00	54.34 -0.99 0.00	54.38 -0.83 0.00	54.44 -0.66 0.00	54.43 -0.55 0.00
ST_LAW_230_BK6_LBMP 345036	51.71 -0.26 0.00	49.37 -0.20 0.00	47.37 -0.24 0.00	48.23 -0.29 0.00	48.47 -0.29 0.00	49.63 -0.30 0.00	49.17 -0.45 0.00	53.53 -0.43 0.00	54.38 -0.44 0.00	54.27 -0.82 0.00	54.27 -1.05 0.00	54.28 -1.11 0.00	54.27 -0.99 0.00	54.27 -0.94 0.00	54.27 -0.99 0.00	54.21 -1.17 0.00	56.69 -1.33 0.00	65.93 -1.42 0.00	64.94 -1.26 0.00	56.32 -1.09 0.00	54.34 -0.99 0.00	54.38 -0.83 0.00	54.44 -0.66 0.00	54.43 -0.55 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	54.62 2.65 0.00	52.00 2.43 0.00	49.94 2.33 0.00	50.99 2.47 0.00	51.29 2.54 0.00	52.49 2.55 -0.02	52.42 2.63 -0.17	56.88 2.91 0.00	59.52 2.91 -1.80	61.65 3.25 -3.31	66.09 3.49 -7.29	65.92 3.49 -7.05	65.46 3.43 -6.78	64.68 3.37 -6.10	68.90 3.43 -10.21	71.98 3.54 -13.06	81.91 3.77 -20.11	104.38 4.58 -32.45	95.90 4.37 -25.33	86.27 3.73 -25.13	83.83 3.38 -25.13	74.55 3.37 -15.98	70.83 3.31 -12.43	66.36 3.13 -8.24
SWANROAD_115KV_TB1 355699	44.85 -7.12 0.00	43.13 -6.44 0.00	41.04 -6.57 0.00	41.63 -6.89 0.00	41.93 -6.83 0.00	42.79 -7.14 0.00	42.11 -7.54 -0.03	45.35 -7.88 0.74	45.92 -7.67 1.23	41.19 -7.27 6.64	41.27 -6.86 7.19	41.22 -6.81 7.35	40.94 -6.96 7.36	40.51 -7.34 7.36	41.00 -7.29 6.97	42.02 -7.09 6.27	45.51 -6.90 5.61	53.15 -8.89 5.31	51.54 -8.74 5.92	45.09 -7.46 4.86	45.05 -6.64 3.64	42.28 -7.12 5.80	47.21 -7.05 0.84	48.56 -7.86 -1.44
SYNERGY___BIOGAS 323694	47.55 -4.42 0.00	45.56 -4.01 0.00	43.37 -4.24 0.00	44.05 -4.46 0.00	44.37 -4.39 0.00	45.33 -4.59 0.00	44.98 -4.67 -0.03	48.34 -5.13 0.50	49.23 -4.82 0.76	46.28 -4.41 4.41	46.71 -4.04 4.57	46.66 -4.04 4.68	46.35 -4.20 4.71	45.94 -4.53 4.74	46.44 -4.53 4.29	47.58 -4.04 3.75	51.40 -3.60 3.02	60.31 -4.78 2.26	58.40 -4.77 3.03	50.98 -4.13 2.30	50.21 -3.65 1.47	47.69 -4.20 3.32	50.57 -4.46 0.07	51.52 -4.78 -1.32
SYRACUSE___ENERGY_ST1 323597	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.50 -1.02 0.00	47.73 -1.02 0.00	48.87 -1.05 0.00	48.68 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.44 -0.66 0.00	55.52 -0.55 -0.76	55.79 -0.44 -0.84	55.49 -0.55 -0.79	55.21 -0.61 -0.61	55.73 -0.61 -1.08	54.98 -0.50 -0.11	57.68 -0.35 0.00	67.71 -0.47 -0.83	65.74 -0.46 0.00	56.96 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.44 -0.66 0.00	54.21 -0.77 0.00
SYRACUSE___ENERGY_ST2 323598	50.93 -1.04 0.00	48.58 -0.99 0.00	46.61 -1.00 0.00	47.50 -1.02 0.00	47.73 -1.02 0.00	48.87 -1.05 0.00	48.68 -0.94 0.00	53.05 -0.92 0.00	53.94 -0.88 0.00	54.44 -0.66 0.00	55.52 -0.55 -0.76	55.79 -0.44 -0.84	55.49 -0.55 -0.79	55.21 -0.61 -0.61	55.73 -0.61 -1.08	54.98 -0.50 -0.11	57.68 -0.35 0.00	67.71 -0.47 -0.83	65.74 -0.46 0.00	56.96 -0.46 0.00	54.89 -0.44 0.00	54.60 -0.61 0.00	54.44 -0.66 0.00	54.21 -0.77 0.00
SYRACUSE___POWER 24017	50.88 -1.09 0.00	48.53 -1.04 0.00	46.56 -1.05 0.00	47.45 -1.07 0.00	47.69 -1.07 0.00	48.82 -1.10 0.00	48.63 -0.99 0.00	53.00 -0.97 0.00	53.89 -0.93 0.00	54.38 -0.72 0.00	55.50 -0.61 -0.79	55.76 -0.50 -0.88	55.47 -0.61 -0.82	55.12 -0.72 -0.64	55.72 -0.66 -1.13	54.93 -0.55 -0.11	57.62 -0.41 0.00	67.68 -0.54 -0.87	65.67 -0.53 0.00	56.90 -0.52 0.00	54.83 -0.50 0.00	54.54 -0.66 0.00	54.33 -0.77 0.00	54.16 -0.82 0.00
TALLMAN___138KV_BK151 55660	54.77 2.81 0.00	52.15 2.58 0.00	50.09 2.48 0.00	51.18 2.67 0.00	51.44 2.68 0.00	52.69 2.75 -0.02	52.62 2.83 -0.17	57.04 3.08 0.00	59.73 3.07 -1.84	61.90 3.42 -3.39	66.47 3.71 -7.44	66.18 3.71 -7.08	65.81 3.65 -6.90	64.96 3.59 -6.17	69.39 3.65 -10.48	72.51 3.77 -13.37	82.64 4.00 -20.61	105.40 4.78 -33.27	96.72 4.57 -25.95	87.07 3.90 -25.75	84.62 3.54 -25.75	75.05 3.53 -16.32	71.30 3.47 -12.74	66.73 3.30 -8.44
TEALLAVE_115KV_TB7 355573	50.62 -1.35 0.00	48.33 -1.24 0.00	46.33 -1.29 0.00	47.20 -1.31 0.00	47.49 -1.27 0.00	48.62 -1.30 0.00	48.38 -1.24 0.00	52.73 -1.24 0.00	53.61 -1.21 0.00	54.11 -0.99 0.00	55.09 -0.89 -0.66	55.34 -0.78 -0.73	55.06 -0.88 -0.68	54.80 -0.94 -0.53	55.26 -0.94 -0.94	54.64 -0.83 -0.09	57.33 -0.70 0.00	67.20 -0.88 -0.72	65.27 -0.93 0.00	56.61 -0.80 0.00	54.56 -0.77 0.00	54.27 -0.94 0.00	54.05 -1.05 0.00	53.83 -1.15 0.00
TELGRAPH_34_KV_EAST 80808	46.46 -5.51 0.00	44.62 -4.96 0.00	42.42 -5.19 0.00	43.08 -5.43 0.00	43.39 -5.36 0.00	44.29 -5.64 0.00	43.74 -5.90 -0.03	47.05 -6.31 0.60	47.82 -6.03 0.97	44.01 -5.67 5.42	44.38 -5.20 5.74	44.31 -5.21 5.87	44.01 -5.36 5.89	43.55 -5.74 5.91	44.09 -5.69 5.48	45.11 -5.37 4.89	48.71 -5.11 4.21	57.11 -6.60 3.64	55.36 -6.49 4.35	48.32 -5.63 3.47	47.89 -4.98 2.46	45.29 -5.47 4.45	49.11 -5.56 0.42	50.30 -6.05 -1.36
TEMPLE___115KV_TB 2 55572	50.67 -1.30 0.00	48.33 -1.24 0.00	46.37 -1.24 0.00	47.25 -1.26 0.00	47.49 -1.27 0.00	48.62 -1.30 0.00	48.43 -1.19 0.00	52.73 -1.24 0.00	53.61 -1.21 0.00	54.11 -0.99 0.00	55.16 -0.83 -0.67	55.41 -0.72 -0.74	55.12 -0.83 -0.69	54.81 -0.94 -0.54	55.33 -0.88 -0.95	54.69 -0.78 -0.09	57.33 -0.70 0.00	67.21 -0.88 -0.73	65.34 -0.86 0.00	56.67 -0.75 0.00	54.56 -0.77 0.00	54.27 -0.94 0.00	54.11 -0.99 0.00	53.88 -1.10 0.00
TIANA____69_KV_BK 1 55817	68.27 6.13 -10.17	63.46 5.80 -8.09	53.14 5.52 -0.01	54.30 5.77 -0.01	55.27 5.90 -0.61	57.92 6.04 -1.95	62.54 6.20 -6.72	68.65 7.02 -7.66	71.42 7.02 -9.59	73.93 7.11 -11.73	86.58 7.25 -24.01	83.65 6.98 -21.28	79.63 7.13 -17.24	81.49 7.01 -19.27	84.55 7.57 -21.72	95.84 7.86 -32.60	126.50 8.47 -60.00	138.39 10.04 -61.01	133.31 9.53 -57.58	122.64 8.04 -57.18	113.24 7.75 -50.17	113.21 7.73 -50.28	90.45 7.60 -27.75	82.18 7.59 -19.61
TILDEN___115KV_TB1 80814	50.88 -1.09 0.00	48.53 -1.04 0.00	46.56 -1.05 0.00	47.45 -1.07 0.00	47.69 -1.07 0.00	48.82 -1.10 0.00	48.63 -0.99 0.00	53.00 -0.97 0.00	53.89 -0.93 0.00	54.38 -0.72 0.00	55.50 -0.61 -0.79	55.76 -0.50 -0.88	55.47 -0.61 -0.82	55.12 -0.72 -0.64	55.72 -0.66 -1.13	54.93 -0.55 -0.11	57.62 -0.41 0.00	67.68 -0.54 -0.87	65.67 -0.53 0.00	56.90 -0.52 0.00	54.83 -0.50 0.00	54.54 -0.66 0.00	54.33 -0.77 0.00	54.16 -0.82 0.00



TRIGEN___CC 323695	73.10 4.31 -16.82	66.97 4.02 -13.38	51.53 3.90 -0.02	52.75 4.22 -0.02	53.92 4.14 -1.02	57.39 4.24 -3.22	64.98 4.37 -10.99	71.50 4.86 -12.67	74.30 4.88 -14.60	77.34 5.18 -17.07	92.99 5.42 -32.25	81.99 5.32 -21.28	81.27 5.42 -20.59	82.32 5.30 -21.82	89.56 5.58 -28.72	104.34 5.65 -43.32	149.09 5.98 -85.09	152.31 6.87 -78.09	150.25 6.62 -77.43	140.08 5.74 -76.92	126.02 5.37 -65.32	129.17 5.41 -68.55	97.60 5.34 -37.16	86.85 5.22 -26.65
TRINITY___115KV___4 BK 55933	54.20 2.23 0.00	51.70 2.13 0.00	49.71 2.09 0.00	50.65 2.13 0.00	50.95 2.19 0.00	52.19 2.20 -0.07	52.30 2.18 -0.50	56.18 2.21 0.00	62.36 2.19 -5.34	67.30 2.37 -9.84	69.46 2.60 -11.54	68.47 2.66 -10.43	67.58 2.60 -9.72	68.25 2.59 -10.45	73.30 2.54 -15.50	95.37 2.44 -37.55	120.39 2.55 -59.81	155.34 2.96 -85.03	144.99 2.85 -75.95	134.60 2.47 -74.72	132.37 2.32 -74.72	105.49 2.37 -47.91	94.36 2.31 -36.95	81.96 2.47 -24.50
UNION___PROCESSING_DRP 323587	48.38 -3.59 0.00	46.25 -3.32 0.00	44.18 -3.43 0.00	44.97 -3.54 0.00	45.25 -3.51 0.00	46.28 -3.64 0.00	45.85 -3.77 0.00	49.76 -4.21 0.00	50.98 -3.84 0.00	51.59 -3.53 -0.02	53.18 -3.10 -0.96	53.40 -3.05 -1.06	52.99 -3.26 -0.99	52.50 -3.48 -0.78	53.14 -3.48 -1.36	52.37 -3.16 -0.15	55.15 -2.90 -0.02	64.57 -3.84 -1.06	62.45 -3.77 -0.03	54.11 -3.33 -0.02	52.42 -2.93 -0.02	51.86 -3.37 -0.02	51.63 -3.47 -0.01	51.24 -3.74 0.00
UPPER HUDSON___HYD 24058	55.66 3.69 0.00	52.99 3.42 0.00	50.89 3.28 0.00	51.77 3.25 0.00	52.17 3.41 0.00	53.72 3.69 -0.10	54.02 3.62 -0.78	57.86 3.89 0.00	67.38 4.22 -8.34	74.80 4.35 -15.35	72.63 4.26 -13.05	70.45 4.32 -10.74	69.53 4.26 -10.01	71.77 4.25 -12.31	76.61 4.26 -17.09	117.62 4.32 -57.92	155.98 4.58 -93.37	200.00 5.39 -127.26	190.29 5.23 -118.86	178.65 4.60 -116.64	176.34 4.37 -116.64	134.31 4.31 -74.79	116.97 4.19 -57.69	97.30 4.07 -38.25
UPPER RAQUET___HYD 24056	50.72 -1.25 0.00	48.43 -1.14 0.00	46.47 -1.14 0.00	47.21 -1.31 0.00	47.39 -1.36 0.00	48.53 -1.40 0.00	48.13 -1.49 0.00	52.51 -1.45 0.00	53.34 -1.48 0.00	53.22 -1.87 0.00	53.22 -2.10 0.00	53.28 -2.10 0.00	53.10 -2.16 0.00	53.11 -2.10 0.00	53.10 -2.16 0.00	53.16 -2.22 0.00	55.59 -2.43 0.00	64.79 -2.56 0.00	63.95 -2.25 0.00	55.40 -2.01 0.00	53.34 -1.99 0.00	53.49 -1.71 0.00	53.50 -1.60 0.00	53.50 -1.48 0.00
VALLEY44_115KV_TB2 355964	47.65 -4.31 0.00	45.76 -3.82 0.00	43.61 -4.00 0.00	44.20 -4.32 0.00	44.57 -4.19 0.00	45.48 -4.44 0.00	44.99 -4.66 -0.04	48.63 -4.97 0.37	48.18 -6.25 0.39	45.91 -6.23 2.97	46.45 -6.03 2.84	46.47 -5.98 2.94	46.19 -6.08 3.00	45.98 -6.18 3.04	46.66 -6.19 2.42	47.87 -5.98 1.52	51.73 -6.03 0.26	61.97 -6.74 -1.36	59.94 -6.49 -0.23	52.39 -5.80 -0.77	50.75 -5.98 -1.40	48.31 -6.02 0.88	50.00 -6.28 -1.19	52.22 -4.56 -1.80
VALLEY___115KV_TB 1-4 80826	52.17 0.21 0.00	49.77 0.20 0.00	47.80 0.19 0.00	48.71 0.19 0.00	48.90 0.15 0.00	50.07 0.15 0.00	49.82 0.20 0.00	54.18 0.22 0.00	55.09 0.27 0.00	55.48 0.39 0.00	55.76 0.44 0.00	55.83 0.44 0.00	55.65 0.39 0.00	55.54 0.33 0.00	55.65 0.39 0.00	55.93 0.55 0.00	58.60 0.58 0.00	68.02 0.67 0.00	66.73 0.53 0.00	57.82 0.40 0.00	55.72 0.39 0.00	55.59 0.39 0.00	55.48 0.39 0.00	55.42 0.44 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	54.93 2.96 0.00	52.55 2.97 0.00	50.37 2.76 0.00	51.33 2.81 0.00	51.49 2.73 0.00	52.79 2.85 -0.02	52.85 3.08 -0.16	57.42 3.45 0.00	60.01 3.51 -1.68	61.99 3.80 -3.09	63.13 3.93 -3.88	62.99 4.04 -3.56	62.33 3.76 -3.32	62.34 3.64 -3.49	64.36 3.87 -5.23	71.44 4.21 -11.86	81.38 4.53 -18.83	99.72 5.32 -27.05	95.06 5.03 -23.83	85.25 4.31 -23.53	82.90 4.04 -23.53	74.16 3.86 -15.09	70.54 3.80 -11.64	66.27 3.57 -7.72
VISCHER___FERRY HYD 24020	54.67 2.70 0.00	52.10 2.53 0.00	50.09 2.47 0.00	51.04 2.52 0.00	51.34 2.58 0.00	52.70 2.69 -0.09	52.92 2.63 -0.67	56.83 2.86 0.00	64.85 2.90 -7.13	71.25 3.03 -13.12	70.84 3.15 -12.37	69.07 3.16 -10.53	68.23 3.15 -9.82	69.85 3.15 -11.50	74.70 3.09 -16.34	108.20 3.15 -49.67	141.13 3.31 -79.80	181.28 3.84 -110.09	171.47 3.77 -101.50	160.37 3.27 -99.68	158.11 3.10 -99.68	122.22 3.09 -63.92	107.43 3.03 -49.30	90.63 2.97 -32.69
V_A_10_SYNC_DSASP 323832	46.35 -5.61 0.00	44.47 -5.10 0.00	42.42 -5.19 0.00	43.08 -5.43 0.00	43.39 -5.36 0.00	44.34 -5.59 0.00	43.89 -5.75 -0.03	46.79 -6.69 0.48	47.89 -6.19 0.74	45.01 -5.84 4.25	45.67 -5.53 4.12	45.71 -5.48 4.19	45.44 -5.58 4.24	44.96 -5.91 4.34	45.68 -5.86 3.72	46.22 -5.59 3.56	49.80 -5.34 2.89	58.59 -6.94 1.83	56.43 -6.89 2.88	49.38 -5.86 2.18	48.70 -5.26 1.38	46.35 -5.69 3.17	49.27 -5.78 0.05	50.27 -5.99 -1.28
V_CMM_10_SYNC_DSASP 323787	51.97 0.00 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.42 -0.10 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	49.37 -0.25 0.00	53.75 -0.22 0.00	54.60 -0.22 0.00	54.49 -0.60 0.00	54.55 -0.77 0.00	54.56 -0.83 0.00	54.49 -0.77 0.00	54.49 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.94 0.00	56.86 -1.16 0.00	66.14 -1.21 0.00	65.21 -0.99 0.00	56.56 -0.86 0.00	54.56 -0.77 0.00	54.65 -0.55 0.00	54.65 -0.44 0.00	54.71 -0.27 0.00
V_CMP_10_SYNC_DSASP 323788	52.07 0.10 0.00	49.67 0.10 0.00	47.66 0.05 0.00	48.47 -0.05 0.00	48.61 -0.15 0.00	49.77 -0.15 0.00	48.92 -0.69 0.00	53.48 -0.49 0.00	54.32 -0.49 0.00	54.16 -0.94 0.00	54.21 -1.11 0.00	54.28 -1.11 0.00	54.10 -1.16 0.00	54.10 -1.10 0.00	54.04 -1.22 0.00	54.05 -1.33 0.00	56.63 -1.39 0.00	66.14 -1.21 0.00	65.41 -0.79 0.00	56.73 -0.69 0.00	54.78 -0.55 0.00	54.88 -0.33 0.00	54.88 -0.22 0.00	55.31 0.33 0.00
V_D_10_SYNC_DSASP 323841	52.02 0.05 0.00	49.62 0.05 0.00	47.61 0.00 0.00	48.47 -0.05 0.00	48.66 -0.10 0.00	49.82 -0.10 0.00	49.32 -0.30 0.00	53.81 -0.16 0.00	54.60 -0.22 0.00	54.49 -0.60 0.00	54.55 -0.77 0.00	54.61 -0.78 0.00	54.49 -0.77 0.00	54.49 -0.72 0.00	54.49 -0.77 0.00	54.43 -0.94 0.00	56.86 -1.16 0.00	66.20 -1.15 0.00	65.34 -0.86 0.00	56.61 -0.80 0.00	54.61 -0.72 0.00	54.71 -0.50 0.00	54.77 -0.33 0.00	54.76 -0.22 0.00
V_E_10_SYNC_DSASP 323830	55.08 3.12 0.00	52.89 3.32 0.00	50.37 2.76 0.00	51.28 2.76 0.00	51.29 2.53 0.00	52.58 2.64 -0.01	53.12 3.42 -0.08	57.91 3.94 0.00	59.55 3.84 -0.89	60.92 4.19 -1.64	62.03 4.09 -2.62	62.16 4.27 -2.51	61.25 3.65 -2.34	60.93 3.42 -2.30	62.65 3.81 -3.58	66.34 4.59 -6.37	73.25 5.22 -10.00	88.66 6.33 -14.98	84.79 5.96 -12.63	74.79 4.88 -12.49	72.36 4.54 -12.49	67.24 4.03 -8.01	65.08 3.80 -6.18	62.60 3.52 -4.10
V_F_30_NSYNC___DSASP 323816	55.19 3.22 0.00	52.55 2.97 0.00	50.52 2.90 0.00	51.43 2.91 0.00	51.83 3.07 0.00	53.27 3.24 -0.10	53.57 3.18 -0.77	57.37 3.40 0.00	66.57 3.56 -8.19	73.87 3.69 -15.08	71.93 3.65 -12.96	69.81 3.71 -10.71	68.89 3.65 -9.98	71.06 3.64 -12.21	75.90 3.65 -16.99	116.04 3.77 -56.90	153.71 4.00 -91.69	197.06 4.58 -125.12	187.41 4.50 -116.71	175.91 3.96 -114.54	173.63 3.76 -114.54	132.35 3.70 -73.44	115.38 3.64 -56.65	96.11 3.57 -37.56



V_F_30_SYNC_DSASP 323786	54.36 2.39 0.00	51.85 2.28 0.00	49.85 2.24 0.00	50.79 2.28 0.00	51.05 2.29 0.00	52.34 2.35 -0.07	52.47 2.28 -0.57	56.34 2.37 0.00	63.28 2.41 -6.05	68.77 2.53 -11.14	69.99 2.77 -11.90	68.72 2.82 -10.51	67.87 2.82 -9.79	68.92 2.82 -10.90	73.90 2.76 -15.88	100.41 2.66 -42.37	128.56 2.79 -67.75	165.54 3.17 -95.02	155.35 3.05 -86.10	144.75 2.70 -84.64	142.51 2.55 -84.64	112.02 2.54 -54.27	99.49 2.53 -41.86	85.37 2.64 -27.75
V_XM_10_SYNC_DSASP 323789	52.07 0.10 0.00	49.67 0.10 0.00	47.66 0.05 0.00	48.47 -0.05 0.00	48.61 -0.15 0.00	49.77 -0.15 0.00	48.92 -0.69 0.00	53.48 -0.49 0.00	54.32 -0.49 0.00	54.16 -0.94 0.00	54.21 -1.11 0.00	54.28 -1.11 0.00	54.10 -1.16 0.00	54.10 -1.10 0.00	54.04 -1.22 0.00	54.05 -1.33 0.00	56.63 -1.39 0.00	66.14 -1.21 0.00	65.41 -0.79 0.00	56.73 -0.69 0.00	54.78 -0.55 0.00	54.88 -0.33 0.00	54.88 -0.22 0.00	55.31 0.33 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	54.88 2.91 0.00	52.30 2.73 0.00	50.23 2.62 0.00	51.33 2.81 0.00	51.59 2.83 0.00	52.79 2.85 -0.02	52.77 2.98 -0.17	57.15 3.18 0.00	59.85 3.18 -1.85	62.03 3.53 -3.41	66.61 3.82 -7.47	66.30 3.82 -7.09	65.95 3.76 -6.93	65.14 3.75 -6.18	69.56 3.76 -10.54	72.69 3.88 -13.43	82.87 4.12 -20.73	105.79 4.98 -33.45	97.06 4.77 -26.10	87.38 4.08 -25.89	84.93 3.71 -25.89	75.30 3.70 -16.39	71.48 3.58 -12.81	66.88 3.41 -8.49
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	55.40 3.43 0.00	52.70 3.12 0.00	50.66 3.05 0.00	51.77 3.25 0.00	52.03 3.27 0.00	53.29 3.34 -0.02	53.27 3.47 -0.18	57.85 3.89 0.00	60.69 3.95 -1.92	63.03 4.41 -3.53	67.37 4.70 -7.34	65.85 4.71 -5.75	66.59 4.70 -6.63	65.17 4.58 -5.38	70.96 4.75 -10.94	73.87 4.82 -13.67	84.56 5.05 -21.49	108.04 5.99 -34.69	99.01 5.76 -27.05	89.20 4.94 -26.84	86.71 4.54 -26.84	76.12 4.53 -16.39	72.89 4.52 -13.28	68.02 4.23 -8.80
W50THST__13_KV_LOAD 356117	55.60 3.64 0.00	52.89 3.32 0.00	50.85 3.24 0.00	51.96 3.44 0.00	52.22 3.46 0.00	53.54 3.59 -0.02	53.52 3.72 -0.18	58.12 4.16 0.00	60.96 4.22 -1.92	63.31 4.68 -3.53	67.70 5.03 -7.34	66.12 4.98 -5.75	66.87 4.97 -6.63	65.45 4.86 -5.38	71.34 5.14 -10.94	74.20 5.15 -13.67	84.85 5.34 -21.49	108.37 6.33 -34.69	99.34 6.09 -27.05	89.48 5.22 -26.84	86.99 4.81 -26.84	76.34 4.75 -16.39	73.22 4.85 -13.28	68.24 4.45 -8.80
WADING RIVER_IC_1 23522	68.11 5.97 -10.17	63.26 5.60 -8.09	53.00 5.38 -0.01	54.15 5.63 -0.01	55.07 5.70 -0.61	57.76 5.89 -1.95	62.39 6.05 -6.72	68.43 6.80 -7.66	71.26 6.85 -9.59	73.98 7.16 -11.72	86.57 7.25 -24.01	83.65 6.98 -21.28	79.35 6.85 -17.24	81.38 6.90 -19.27	84.44 7.46 -21.72	95.72 7.75 -32.60	126.26 8.24 -60.00	138.11 9.76 -61.00	133.10 9.34 -57.57	122.40 7.81 -57.18	113.07 7.58 -50.16	113.04 7.56 -50.27	90.35 7.49 -27.76	82.01 7.42 -19.61
WADING RIVER_IC_2 23547	68.11 5.97 -10.17	63.26 5.60 -8.09	53.00 5.38 -0.01	54.15 5.63 -0.01	55.07 5.70 -0.61	57.76 5.89 -1.95	62.39 6.05 -6.72	68.43 6.80 -7.66	71.26 6.85 -9.59	73.98 7.16 -11.72	86.57 7.25 -24.01	83.65 6.98 -21.28	79.35 6.85 -17.24	81.38 6.90 -19.27	84.44 7.46 -21.72	95.72 7.75 -32.60	126.26 8.24 -60.00	138.11 9.76 -61.00	133.10 9.34 -57.57	122.40 7.81 -57.18	113.07 7.58 -50.16	113.04 7.56 -50.27	90.35 7.49 -27.76	82.01 7.42 -19.61
WADING RIVER_IC_3 23601	68.11 5.97 -10.17	63.26 5.60 -8.09	53.00 5.38 -0.01	54.15 5.63 -0.01	55.07 5.70 -0.61	57.76 5.89 -1.95	62.39 6.05 -6.72	68.43 6.80 -7.66	71.26 6.85 -9.59	73.98 7.16 -11.72	86.57 7.25 -24.01	83.65 6.98 -21.28	79.35 6.85 -17.24	81.38 6.90 -19.27	84.44 7.46 -21.72	95.72 7.75 -32.60	126.26 8.24 -60.00	138.11 9.76 -61.00	133.10 9.34 -57.57	122.40 7.81 -57.18	113.07 7.58 -50.16	113.04 7.56 -50.27	90.35 7.49 -27.76	82.01 7.42 -19.61
WALDENNY_12_KV_BK2 80841	46.35 -5.61 0.00	44.57 -5.01 0.00	42.37 -5.24 0.00	42.94 -5.58 0.00	43.30 -5.46 0.00	44.14 -5.79 0.00	43.55 -6.10 -0.03	46.36 -6.64 0.97	46.26 -6.85 1.70	39.54 -6.56 9.00	39.38 -6.14 9.80	39.23 -6.15 10.01	39.01 -6.24 10.01	38.63 -6.57 10.01	39.15 -6.52 9.59	40.15 -6.31 8.91	43.54 -6.15 8.34	51.40 -7.61 8.33	49.83 -7.41 8.95	43.51 -6.37 7.54	43.45 -5.98 5.91	40.49 -6.29 8.42	47.07 -6.39 1.63	50.39 -6.16 -1.57
WALDEN__HYDRO 24148	55.14 3.17 0.00	52.50 2.92 0.00	50.42 2.81 0.00	51.47 2.96 0.00	51.78 3.02 0.00	53.04 3.10 -0.02	52.97 3.18 -0.18	57.48 3.51 0.00	60.29 3.56 -1.91	62.52 3.91 -3.51	67.08 4.09 -7.66	67.15 4.10 -7.67	66.44 4.03 -7.15	65.77 3.97 -6.59	69.83 3.98 -10.60	73.45 4.15 -13.92	83.93 4.53 -21.38	107.10 5.46 -34.29	98.43 5.30 -26.93	88.66 4.54 -26.71	86.14 4.09 -26.71	76.36 4.03 -17.13	72.27 3.97 -13.21	67.53 3.79 -8.76
WARRENSBURG____ 23737	55.66 3.69 0.00	52.99 3.42 0.00	50.89 3.28 0.00	51.77 3.25 0.00	52.17 3.41 0.00	53.72 3.69 -0.10	54.02 3.62 -0.78	57.86 3.89 0.00	67.38 4.22 -8.34	74.80 4.35 -15.35	72.63 4.26 -13.05	70.45 4.32 -10.74	69.53 4.26 -10.01	71.77 4.25 -12.31	76.61 4.26 -17.09	117.62 4.32 -57.92	155.98 4.58 -93.37	200.00 5.39 -127.26	190.29 5.23 -118.86	178.65 4.60 -116.64	176.34 4.37 -116.64	134.31 4.31 -74.79	116.97 4.19 -57.69	97.30 4.07 -38.25
WATERSIDE____6 8 9 23538	53.78 3.79 1.98	51.00 3.47 2.04	48.62 3.33 2.33	50.11 3.59 2.00	50.40 3.61 1.96	51.71 3.69 1.90	51.69 3.82 1.75	56.37 4.21 1.81	59.40 4.22 -0.37	62.11 4.68 -2.33	67.65 4.98 -7.35	63.94 5.04 -3.52	66.88 4.97 -6.64	65.51 4.91 -5.39	71.09 4.86 -10.96	74.11 5.04 -13.70	70.72 5.45 -7.24	83.52 6.40 -9.77	74.46 6.16 -2.11	72.20 5.28 -9.50	63.40 4.92 -3.15	68.35 4.80 -8.34	73.09 4.68 -13.31	68.07 4.56 -8.52
WATKINRD_115KV_LN8_ILLION 55919	52.49 0.52 0.00	50.07 0.50 0.00	48.09 0.48 0.00	49.00 0.49 0.00	49.20 0.44 0.00	50.37 0.45 0.00	50.11 0.50 0.00	54.51 0.54 0.00	55.37 0.55 0.00	55.76 0.66 0.00	55.98 0.66 0.00	56.11 0.72 0.00	55.92 0.66 0.00	55.87 0.66 0.00	55.92 0.66 0.00	56.15 0.78 0.00	58.89 0.87 0.00	68.29 0.94 0.00	67.06 0.86 0.00	58.16 0.75 0.00	56.05 0.72 0.00	55.87 0.66 0.00	55.76 0.66 0.00	55.64 0.66 0.00
WATSON__69_KV_BK 1 55734	68.45 6.03 -10.45	63.59 5.70 -8.31	53.10 5.48 -0.01	54.25 5.72 -0.01	55.19 5.80 -0.63	57.87 5.94 -2.01	62.57 6.05 -6.90	68.64 6.80 -7.87	71.47 6.85 -9.80	74.05 7.00 -11.95	86.98 7.30 -24.36	83.76 7.09 -21.28	79.88 7.24 -17.38	81.71 7.12 -19.38	84.91 7.63 -22.02	96.24 7.81 -33.05	127.21 8.12 -61.06	138.57 9.50 -61.73	133.75 9.14 -58.42	123.24 7.81 -58.02	113.66 7.52 -50.81	113.87 7.62 -51.05	90.74 7.49 -28.15	82.26 7.37 -19.91
WDELAWARE__HYD 323627	55.45 3.48 0.00	52.79 3.22 0.00	50.66 3.05 0.00	51.72 3.20 0.00	51.93 3.17 0.00	53.24 3.29 -0.02	53.32 3.52 -0.18	57.80 3.83 0.00	60.73 4.00 -1.91	62.96 4.35 -3.51	66.97 4.37 -7.28	66.95 4.32 -7.24	66.16 4.15 -6.75	65.57 4.09 -6.28	69.46 4.15 -10.05	73.66 4.43 -13.85	84.37 4.99 -21.35	107.38 6.19 -33.83	99.08 5.96 -26.92	89.26 5.17 -26.67	86.59 4.59 -26.67	76.78 4.47 -17.10	72.64 4.35 -13.19	67.96 4.23 -8.75



WEST BABYLON___IC 23714	68.69 5.66 -11.06	63.72 5.35 -8.80	52.76 5.14 -0.01	53.91 5.39 -0.01	54.83 5.41 -0.66	57.64 5.59 -2.12	62.56 5.66 -7.29	68.67 6.37 -8.33	71.49 6.41 -10.26	74.15 6.61 -12.44	87.29 6.86 -25.11	83.37 6.70 -21.28	79.74 6.80 -17.69	81.55 6.74 -19.61	85.10 7.18 -22.66	96.72 7.31 -34.03	129.04 7.66 -63.35	139.53 8.89 -63.29	135.03 8.61 -60.23	124.59 7.35 -59.82	114.55 7.03 -52.19	115.05 7.12 -52.72	91.16 7.05 -29.01	82.40 6.87 -20.55
WEST CANADA___HYD 24049	52.23 0.26 0.00	49.82 0.25 0.00	47.85 0.24 0.00	48.76 0.24 0.00	49.00 0.25 0.00	50.17 0.25 0.00	49.87 0.25 0.00	54.24 0.27 0.00	55.09 0.28 0.00	55.43 0.33 0.00	55.71 0.39 0.00	55.83 0.44 0.00	55.65 0.39 0.00	55.60 0.39 0.00	55.65 0.39 0.00	55.77 0.39 0.00	58.49 0.46 0.00	67.89 0.54 0.00	66.67 0.47 0.00	57.82 0.40 0.00	55.72 0.39 0.00	55.60 0.39 0.00	55.49 0.39 0.00	55.31 0.33 0.00
WESTERN_NY_WIND 24143	47.39 -4.57 0.00	45.46 -4.11 0.00	43.28 -4.33 0.00	43.91 -4.61 0.00	44.27 -4.49 0.00	45.18 -4.74 0.00	44.68 -4.96 -0.03	48.14 -5.29 0.54	49.04 -4.93 0.85	45.72 -4.57 4.80	46.20 -4.09 5.03	46.14 -4.10 5.14	45.78 -4.31 5.17	45.37 -4.64 5.20	45.86 -4.64 4.76	47.02 -4.15 4.20	50.71 -3.83 3.49	59.50 -5.05 2.80	57.76 -4.90 3.54	50.35 -4.31 2.76	49.71 -3.76 1.86	47.14 -4.31 3.76	50.37 -4.52 0.21	51.37 -4.95 -1.34
WESTOVER___LESR 323668	51.19 -0.78 0.00	48.88 -0.69 0.00	46.85 -0.76 0.00	47.74 -0.78 0.00	47.98 -0.78 0.00	49.13 -0.80 -0.01	48.89 -0.79 -0.07	53.21 -0.76 0.00	54.61 -0.93 -0.72	55.70 -0.72 -1.32	57.38 -0.55 -2.61	57.46 -0.50 -2.58	57.05 -0.61 -2.40	56.74 -0.72 -2.26	58.20 -0.66 -3.60	60.11 -0.50 -5.23	65.78 -0.35 -8.10	79.63 -0.40 -12.69	76.02 -0.40 -10.22	67.14 -0.40 -10.13	65.02 -0.44 -10.13	61.09 -0.61 -6.49	59.39 -0.72 -5.01	57.76 -0.55 -3.33
WETHRSFD_WT_PWR 323626	46.41 -5.56 0.00	44.52 -5.06 0.00	42.37 -5.24 0.00	42.94 -5.58 0.00	43.25 -5.51 0.00	44.19 -5.74 0.00	43.85 -5.81 -0.04	44.09 -6.42 3.45	41.20 -6.74 6.87	15.19 -6.45 33.46	11.67 -6.25 37.40	11.16 -6.15 38.08	11.02 -6.35 37.89	10.84 -6.57 37.80	11.02 -6.63 37.61	11.52 -6.37 37.49	13.06 -6.21 38.76	16.47 -7.34 43.54	15.76 -7.21 43.22	12.96 -6.26 38.20	16.94 -5.98 32.41	11.78 -6.18 37.24	37.36 -6.28 11.46	50.89 -5.88 -1.79
WHAVSTOR_138KV_BK127 55557	54.72 2.75 0.00	52.15 2.58 0.00	50.09 2.48 0.00	51.18 2.67 0.00	51.44 2.68 0.00	52.64 2.70 -0.02	52.62 2.83 -0.17	56.99 3.02 0.00	59.63 2.96 -1.85	61.87 3.36 -3.41	66.40 3.60 -7.48	66.08 3.60 -7.09	65.79 3.59 -6.94	64.92 3.53 -6.18	69.41 3.59 -10.56	72.48 3.65 -13.45	82.66 3.89 -20.75	105.55 4.71 -33.49	96.83 4.50 -26.13	87.18 3.85 -25.92	84.74 3.49 -25.92	75.09 3.48 -16.41	71.33 3.42 -12.82	66.67 3.19 -8.50
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	54.72 2.75 0.00	52.15 2.58 0.00	50.09 2.48 0.00	51.18 2.67 0.00	51.44 2.68 0.00	52.64 2.70 -0.02	52.62 2.83 -0.17	56.99 3.02 0.00	59.63 2.96 -1.85	61.87 3.36 -3.41	66.40 3.60 -7.48	66.08 3.60 -7.09	65.79 3.59 -6.94	64.92 3.53 -6.18	69.41 3.59 -10.56	72.48 3.65 -13.45	82.66 3.89 -20.75	105.55 4.71 -33.49	96.83 4.50 -26.13	87.18 3.85 -25.92	84.74 3.49 -25.92	75.09 3.48 -16.41	71.33 3.42 -12.82	66.67 3.19 -8.50
WHITEHAL_115KV_TB1 80871	56.64 4.68 0.00	53.89 4.31 0.00	51.71 4.09 0.00	52.54 4.03 0.00	52.95 4.19 0.00	54.67 4.64 -0.10	54.96 4.56 -0.78	58.88 4.91 0.00	68.47 5.37 -8.28	75.79 5.45 -15.24	73.70 5.37 -13.01	71.49 5.37 -10.73	70.57 5.31 -10.00	72.77 5.30 -12.27	77.61 5.31 -17.05	118.25 5.37 -57.50	156.44 5.74 -92.67	200.46 6.74 -126.37	190.79 6.62 -117.97	178.92 5.74 -115.77	176.58 5.48 -115.77	134.80 5.35 -74.23	117.53 5.18 -57.26	98.00 5.06 -37.96
WHITEPLN_13_KV_LOAD 356215	55.60 3.64 0.00	52.94 3.37 0.00	50.80 3.19 0.00	51.96 3.44 0.00	52.22 3.46 0.00	53.49 3.54 -0.02	53.47 3.67 -0.18	57.96 3.99 0.00	60.79 4.06 -1.91	63.08 4.46 -3.52	67.71 4.76 -7.63	67.15 4.82 -6.94	67.05 4.75 -7.04	66.04 4.69 -6.14	70.86 4.70 -10.91	74.01 4.82 -13.82	84.60 5.16 -21.41	108.18 6.26 -34.57	99.12 5.96 -26.96	89.22 5.05 -26.75	86.67 4.59 -26.75	76.52 4.53 -16.79	72.84 4.52 -13.23	68.04 4.29 -8.77
WM_FLOYD_69_KV_BK2 356380	68.02 5.87 -10.18	63.23 5.55 -8.10	52.91 5.28 -0.01	54.05 5.53 -0.01	55.02 5.66 -0.61	57.67 5.79 -1.96	62.30 5.95 -6.73	68.33 6.69 -7.67	71.16 6.74 -9.60	73.67 6.83 -11.74	86.38 7.03 -24.03	83.43 6.76 -21.28	79.41 6.91 -17.25	81.33 6.85 -19.28	84.35 7.35 -21.74	95.64 7.64 -32.62	126.20 8.12 -60.05	137.96 9.56 -61.04	132.95 9.14 -57.62	122.39 7.75 -57.23	112.94 7.41 -50.20	112.98 7.45 -50.32	90.25 7.38 -27.78	81.86 7.26 -19.62
WOODARD__115KV_TB2 355635	50.56 -1.40 0.00	48.28 -1.29 0.00	46.33 -1.29 0.00	47.20 -1.31 0.00	47.44 -1.32 0.00	48.58 -1.35 0.00	48.33 -1.29 0.00	52.67 -1.30 0.00	53.56 -1.26 0.00	53.99 -1.10 0.00	55.05 -0.94 -0.67	55.25 -0.89 -0.75	55.02 -0.94 -0.70	54.70 -1.05 -0.54	55.23 -0.99 -0.96	54.58 -0.89 -0.09	57.21 -0.81 0.00	67.08 -1.01 -0.74	65.21 -0.99 0.00	56.50 -0.92 0.00	54.45 -0.89 0.00	54.16 -1.05 0.00	53.99 -1.10 0.00	53.77 -1.21 0.00
YORK___WARBASSE 23770	69.99 4.11 -13.91	67.69 3.77 -14.35	67.59 3.62 -16.36	66.52 3.98 -14.03	66.52 3.95 -13.81	67.49 4.04 -13.53	67.49 4.17 -13.70	71.22 4.59 -12.66	72.32 4.66 -12.84	72.32 5.07 -12.15	102.38 5.37 -41.69	214.40 5.48 -153.53	113.73 5.36 -53.11	150.94 5.30 -90.43	71.79 5.25 -11.28	95.59 5.43 -34.79	185.54 5.86 -121.65	284.27 6.94 -209.98	275.27 6.75 -202.32	212.00 5.74 -148.84	254.04 5.37 -193.34	183.20 5.24 -122.74	73.36 4.96 -13.31	70.93 5.00 -10.94