

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$		--- Marginal Cost of Losses										--- Marginal Cost of Congestion										03/06/2025			
Generator Data																									
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
59TH STREET_GT_1 24138		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		101.69	77.55	80.92	92.08	66.21	48.63	77.03	60.97	60.44	60.34	47.99	47.64	48.45	52.60	54.72	84.22	82.52	102.47	108.17	128.91	82.75	87.40	84.12	65.90
		1.23	-0.34	-0.67	-0.48	-0.38	-0.08	0.14	1.54	3.14	2.54	2.61	2.46	2.30	2.42	2.49	3.64	3.19	4.22	1.16	1.21	1.45	1.38	1.94	1.60
		-66.04	-88.76	-106.23	-113.01	-80.25	-51.32	-73.98	-27.49	-1.33	-13.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.28	-83.18	-102.06	-50.87	-58.74	-44.81	-31.64
74TH STREET_GT_1 24260		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		101.86	77.50	80.83	92.05	66.20	48.62	77.04	61.07	60.63	60.47	48.14	47.79	48.61	52.80	54.92	84.53	82.82	102.84	108.31	129.03	82.89	87.52	84.23	65.98
		1.39	-0.39	-0.78	-0.52	-0.40	-0.09	0.15	1.65	3.34	2.67	2.76	2.62	2.45	2.61	2.69	3.95	3.49	4.58	1.29	1.32	1.59	1.49	2.05	1.67
		-66.04	-88.76	-106.24	-113.02	-80.26	-51.33	-73.98	-27.49	-1.33	-13.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.28	-83.19	-102.06	-50.88	-58.74	-44.82	-31.64
74TH STREET_GT_2 24261		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		101.86	77.50	80.83	92.05	66.20	48.62	77.04	61.07	60.63	60.47	48.14	47.79	48.61	52.80	54.92	84.53	82.82	102.84	108.31	129.03	82.89	87.52	84.23	65.98
		1.39	-0.39	-0.78	-0.52	-0.40	-0.09	0.15	1.65	3.34	2.67	2.76	2.62	2.45	2.61	2.69	3.95	3.49	4.58	1.29	1.32	1.59	1.49	2.05	1.67
		-66.04	-88.76	-106.24	-113.02	-80.26	-51.33	-73.98	-27.49	-1.33	-13.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.28	-83.19	-102.06	-50.88	-58.74	-44.82	-31.64
ADK HUDSON___FALLS 24011		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		119.61	98.57	105.42	118.40	85.03	60.98	95.41	69.59	63.70	118.62	49.59	49.60	50.38	54.80	57.32	88.92	87.79	109.54	129.82	155.32	96.80	103.11	96.75	75.26
		3.08	-0.91	-2.02	-1.66	-1.08	-0.21	0.28	3.33	6.08	4.63	4.20	4.43	4.23	4.62	5.09	8.34	8.46	10.49	2.50	2.71	3.08	2.74	3.57	3.19
		-82.11	-110.35	-132.08	-140.51	-99.77	-63.80	-92.22	-34.32	-1.66	-69.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.08	-103.49	-126.97	-63.30	-73.09	-55.82	-39.41
ADK RESOURCE___RCVRY 23798		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		120.01	98.51	105.23	118.26	84.95	60.98	95.47	69.99	64.47	119.28	49.92	50.07	50.77	55.26	57.89	89.86	88.82	110.82	130.12	155.67	97.17	103.46	97.21	75.69
		3.46	-1.01	-2.26	-1.85	-1.19	-0.23	0.31	3.72	6.85	5.15	4.53	4.90	4.62	5.08	5.66	9.27	9.49	11.77	2.77	3.01	3.43	3.07	4.01	3.60
		-82.13	-110.39	-132.12	-140.56	-99.80	-63.82	-92.25	-34.33	-1.66	-70.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.08	-103.52	-127.02	-63.32	-73.12	-55.84	-39.42
ADK S GLENS___FALLS 24028		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		119.61	98.57	105.42	118.40	85.03	60.98	95.41	69.59	63.70	118.62	49.59	49.60	50.38	54.80	57.32	88.92	87.79	109.54	129.82	155.32	96.80	103.11	96.75	75.26
		3.08	-0.91	-2.02	-1.66	-1.08	-0.21	0.28	3.33	6.08	4.63	4.20	4.43	4.23	4.62	5.09	8.34	8.46	10.49	2.50	2.71	3.08	2.74	3.57	3.19
		-82.11	-110.35	-132.08	-140.51	-99.77	-63.80	-92.22	-34.32	-1.66	-69.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.08	-103.49	-126.97	-63.30	-73.09	-55.82	-39.41
ADK_NYS___DAM 23527		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		115.57	95.84	102.65	115.21	82.74	59.27	92.35	66.77	60.75	105.00	48.49	48.07	48.86	52.81	54.57	84.24	83.03	103.23	125.30	150.00	93.20	99.48	93.34	72.60
		1.41	-0.45	-0.97	-0.79	-0.49	-0.08	0.14	1.66	3.20	2.89	3.10	2.90	2.71	2.62	2.35	3.66	3.70	4.29	1.06	1.16	1.37	1.28	1.79	1.68
		-79.73	-107.16	-128.27	-136.45	-96.89	-61.96	-89.31	-33.18	-1.60	-58.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.96	-100.41	-123.20	-61.41	-70.92	-54.19	-38.26
AIR_PRODUCTS___DRP 24190		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		115.31	96.14	103.17	115.68	83.03	59.37	92.77	66.19	59.14	83.62	46.71	46.46	47.36	51.59	53.96	83.30	81.93	102.26	125.20	149.87	92.97	99.20	92.86	72.07
		1.04	-0.29	-0.63	-0.50	-0.33	-0.06	0.08	0.82	1.56	1.27	1.32	1.29	1.21	1.41	1.73	2.72	2.60	3.33	0.86	0.89	1.07	0.94	1.29	1.13
		-79.84	-107.30	-128.43	-136.63	-97.02	-62.04	-89.78	-33.44	-1.62	-38.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.96	-100.52	-123.33	-61.48	-70.99	-54.21	-38.27
AKWESSNE_115KV_BK 355683		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		34.47	-10.93	-24.84	-20.63	-13.81	-2.63	2.92	32.05	56.22	44.15	45.54	45.34	46.50	50.54	52.44	80.95	79.89	95.44	23.78	24.14	20.33	24.37	36.91	32.80
		0.04	-0.06	-0.20	-0.18	-0.15	-0.02	0.01	0.11	0.26	0.16	0.15	0.17	0.34	0.36	0.21	0.37	0.56	0.47	-0.05	-0.01	0.00	0.08	0.10	0.14
		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	1.49	10.09	2.99	0.55	0.00
ALBANY_1_SOLAR 323833		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		114.33	94.26	100.80	113.21	81.28	58.32	91.28	65.97	59.61	75.56	47.03	46.78	47.68	51.96	54.32	83.93	82.64	103.14	123.78	148.09	92.24	98.26	92.24	71.68
		1.39	-0.40	-0.88	-0.72	-0.48	-0.09	0.11	1.16	2.06	1.69	1.64	1.61	1.52	1.77	2.10	3.34	3.32	4.26	1.08	1.13	1.34	1.16	1.57	1.38
		-78.52	-105.54	-126.32	-134.38	-95.42	-61.02	-88.26	-32.87	-1.59	-29.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.90	-98.88	-121.31	-60.47	-69.83	-53.31	-37.64
ALBANY_2_SOLAR 323834		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		114.34	94.27	100.81	113.23	81.29	58.33	91.29	65.96	59.61	75.54	47.02	46.76	47.67	51.93	54.30	83.91	82.62	103.08	123.79	148.10	92.23	98.26	92.24	71.68
		1.39	-0.40	-0.88	-0.71	-0.47	-0.09	0.11	1.15	2.05	1.68	1.63	1.59	1.51	1.75	2.08	3.32	3.29	4.21	1.08	1.13	1.33	1.15	1.56	1.37
		-78.53	-105.54	-126.33	-134.39	-95.43	-61.02	-88.27	-32.87	-1.59	-29.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.90	-98.89	-121.33	-60.48	-69.83	-53.32	-37.65
ALBANY___1 23571		EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
		115.31	96.14	103.17	115.68	83.03	59.37	92.77	66.19	59.14	83.62	46.71	46.46	47.36	51.59	53.96	83.30	81.93	102.26	125.20	149.87	92.97	99.20	92.86	72.07
		1.04	-0.29	-0.63	-0.50	-0.33	-0.06	0.08	0.82	1.56	1.27	1.32	1.29	1.21	1.41	1.73	2.72	2.60	3.33	0.86	0.89	1.07	0.94	1.29	1.13
		-79.84	-107.30	-128.43	-136.63	-97.02	-62.04	-89.78	-33.44	-1.62	-38.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.96	-100.52	-123.33	-61.48	-70.99	-54.21	-38.27

ALBANY___2 23572	115.31 1.04 -79.84	96.14 -0.29 -107.30	103.17 -0.63 -128.43	115.68 -0.50 -136.63	83.03 -0.33 -97.02	59.37 -0.06 -62.04	92.77 0.08 -89.78	66.19 0.82 -33.44	59.14 1.56 -1.62	83.62 1.27 -38.36	46.71 1.32 0.00	46.46 1.29 0.00	47.36 1.21 0.00	51.59 1.41 0.00	53.96 1.73 0.00	83.30 2.72 0.00	81.93 2.60 0.00	102.26 3.33 -3.96	125.20 0.86 -100.52	149.87 0.89 -123.33	92.97 1.07 -61.48	99.20 0.94 -70.99	92.86 1.29 -54.21	72.07 1.13 -38.27
ALBANY___3 23573	115.31 1.04 -79.84	96.14 -0.29 -107.30	103.17 -0.63 -128.43	115.68 -0.50 -136.63	83.03 -0.33 -97.02	59.37 -0.06 -62.04	92.77 0.08 -89.78	66.19 0.82 -33.44	59.14 1.56 -1.62	83.62 1.27 -38.36	46.71 1.32 0.00	46.46 1.29 0.00	47.36 1.21 0.00	51.59 1.41 0.00	53.96 1.73 0.00	83.30 2.72 0.00	81.93 2.60 0.00	102.26 3.33 -3.96	125.20 0.86 -100.52	149.87 0.89 -123.33	92.97 1.07 -61.48	99.20 0.94 -70.99	92.86 1.29 -54.21	72.07 1.13 -38.27
ALBANY___4 23574	115.31 1.04 -79.84	96.14 -0.29 -107.30	103.17 -0.63 -128.43	115.68 -0.50 -136.63	83.03 -0.33 -97.02	59.37 -0.06 -62.04	92.77 0.08 -89.78	66.19 0.82 -33.44	59.14 1.56 -1.62	83.62 1.27 -38.36	46.71 1.32 0.00	46.46 1.29 0.00	47.36 1.21 0.00	51.59 1.41 0.00	53.96 1.73 0.00	83.30 2.72 0.00	81.93 2.60 0.00	102.26 3.33 -3.96	125.20 0.86 -100.52	149.87 0.89 -123.33	92.97 1.07 -61.48	99.20 0.94 -70.99	92.86 1.29 -54.21	72.07 1.13 -38.27
ALBANY___LFGE 323615	117.09 1.43 -81.24	97.91 -0.41 -109.19	105.16 -0.89 -130.69	117.85 -0.73 -139.03	84.58 -0.48 -98.72	60.43 -0.09 -63.13	94.39 0.11 -91.38	67.18 1.21 -34.04	59.86 2.25 -1.65	103.19 1.84 -57.36	47.28 1.89 0.00	47.06 1.89 0.00	47.98 1.82 0.00	52.27 2.09 0.00	54.71 2.48 0.00	84.50 3.92 0.00	83.15 3.82 0.00	103.84 4.83 -4.03	127.36 1.22 -102.31	152.46 1.28 -125.53	94.52 1.53 -62.58	100.86 1.32 -72.26	94.35 1.80 -55.18	73.20 1.57 -38.96
ALCOA_PA_115KV_PL-6C 55860	34.59 0.17 0.00	-10.97 -0.10 0.00	-24.93 -0.29 0.00	-20.71 -0.26 0.00	-13.86 -0.20 0.00	-2.64 -0.03 0.00	2.93 0.02 0.00	32.17 0.23 0.00	56.43 0.47 0.00	44.31 0.32 0.00	45.69 0.30 0.00	45.53 0.35 0.00	46.67 0.52 0.00	50.72 0.54 0.00	52.64 0.41 0.00	81.26 0.67 0.00	80.18 0.85 0.00	95.76 0.79 0.00	23.86 0.03 0.00	24.23 0.08 1.49	20.43 0.10 10.09	24.47 0.18 2.99	37.05 0.24 0.55	32.92 0.26 0.00
ALCOA_RYNLDS___DRP 24188	34.59 0.17 0.00	-10.97 -0.10 0.00	-24.93 -0.29 0.00	-20.71 -0.26 0.00	-13.86 -0.20 0.00	-2.64 -0.03 0.00	2.93 0.02 0.00	32.17 0.23 0.00	56.43 0.47 0.00	44.31 0.32 0.00	45.69 0.30 0.00	45.53 0.35 0.00	46.67 0.52 0.00	50.72 0.54 0.00	52.64 0.41 0.00	81.26 0.67 0.00	80.18 0.85 0.00	95.76 0.79 0.00	23.86 0.03 0.00	24.23 0.08 1.49	20.43 0.10 10.09	24.47 0.18 2.99	37.05 0.24 0.55	32.92 0.26 0.00
ALCOA___DSASP 323711	34.59 0.17 0.00	-10.97 -0.10 0.00	-24.93 -0.29 0.00	-20.71 -0.26 0.00	-13.86 -0.20 0.00	-2.64 -0.03 0.00	2.93 0.03 0.00	32.17 0.23 0.00	56.43 0.47 0.00	44.31 0.32 0.00	45.69 0.30 0.00	45.52 0.35 0.00	46.67 0.52 0.00	50.72 0.54 0.00	52.64 0.41 0.00	81.25 0.66 0.00	80.18 0.85 0.00	95.76 0.79 0.00	23.86 0.03 0.00	24.23 0.08 1.49	20.43 0.10 10.09	24.47 0.18 2.99	37.04 0.23 0.55	32.92 0.26 0.00
ALLEGHENY___COGEN 23514	46.53 -0.64 -12.74	6.43 0.17 -17.13	-3.82 0.31 -20.50	1.41 0.05 -21.81	1.92 0.09 -15.49	7.86 0.01 -10.46	23.20 0.01 -20.28	62.55 0.16 -30.46	90.35 -0.01 -34.40	76.95 -0.13 -33.10	75.63 -0.99 -31.23	74.09 -1.14 -30.06	78.39 -1.20 -33.43	83.64 -0.77 -34.23	83.17 -0.80 -31.74	115.08 -1.24 -35.74	115.75 -0.74 -37.16	137.51 -0.53 -43.06	71.15 0.13 -47.19	79.38 0.13 -53.61	69.45 0.01 -39.02	58.27 -0.10 -31.09	68.46 0.02 -31.08	50.53 -0.10 -17.96
ALTAMONT_115KV_TB 2 55880	115.19 0.87 -79.90	96.28 -0.24 -107.39	103.39 -0.51 -128.53	115.89 -0.40 -136.74	83.17 -0.26 -97.09	59.44 -0.05 -62.09	92.79 0.06 -89.82	66.07 0.69 -33.45	58.88 1.30 -1.62	77.23 1.05 -32.19	46.46 1.07 0.00	46.21 1.04 0.00	47.09 0.93 0.00	51.26 1.08 0.00	53.53 1.31 0.00	82.65 2.07 0.00	81.29 1.96 0.00	101.48 2.54 -3.96	125.12 0.68 -100.61	149.79 0.70 -123.44	92.80 0.84 -61.53	99.07 0.74 -71.05	92.63 1.02 -54.25	71.84 0.88 -38.30
ALTONA_WT_PWR 323606	33.90 -0.52 0.00	-11.01 -0.14 0.00	-25.43 -0.79 0.00	-21.10 -0.65 0.00	-14.11 -0.45 0.00	-2.64 -0.03 0.00	2.82 -0.09 0.00	31.18 -0.75 0.00	54.78 -1.18 0.00	43.02 -0.97 0.00	44.18 -1.21 0.00	44.08 -1.09 0.00	45.15 -1.00 0.00	48.90 -1.28 0.00	50.39 -1.84 0.00	78.00 -2.58 0.00	77.33 -1.99 0.00	92.60 -2.38 0.00	22.89 -0.94 0.00	22.44 -0.96 2.24	7.86 -1.19 21.37	21.93 -0.86 4.49	35.14 -1.39 0.83	27.19 -1.20 4.28
AMERICAN_REF_FUEL 24010	42.71 -3.21 -11.49	5.37 0.79 -15.45	-4.85 1.30 -18.49	0.07 0.85 -19.67	0.88 0.58 -13.96	6.31 0.12 -8.80	14.25 -0.21 -11.55	28.84 -2.28 0.82	44.73 -3.85 7.37	35.91 -2.68 5.41	35.35 -3.09 6.96	35.48 -3.01 6.69	35.51 -3.21 7.43	39.03 -3.54 7.61	40.94 -4.23 7.06	65.59 -7.05 7.94	64.29 -6.78 8.26	77.76 -8.36 8.86	29.14 -2.26 -7.57	33.54 -2.35 -10.24	29.95 -2.84 -2.37	30.61 -2.51 -5.84	37.34 -2.84 -2.82	33.25 -2.29 -2.88
ARKWRIGHT___SUMMIT_WT_PWR 323751	44.93 -2.16 -12.66	6.87 0.72 -17.02	-3.15 1.12 -20.37	2.06 0.83 -21.67	2.28 0.55 -15.39	7.27 0.10 -9.78	16.31 -0.14 -13.54	33.22 -1.19 -2.47	51.75 -0.64 3.57	43.38 -0.12 0.49	41.29 -0.60 3.50	41.30 -0.52 3.35	41.63 -0.81 3.72	45.27 -1.10 3.81	47.05 -1.64 3.53	73.65 -2.96 3.98	72.38 -2.82 4.13	86.86 -4.02 4.09	35.24 -1.10 -12.51	40.40 -1.07 -15.83	35.50 -1.44 -6.52	35.08 -1.29 -9.08	42.21 -1.27 -6.12	36.43 -0.99 -4.76
ARTHUR KILL_GT_1 23520	103.49 1.33 -67.74	77.86 -0.38 -89.11	80.94 -0.67 -106.24	92.16 -0.42 -113.02	68.21 -0.38 -82.26	59.58 -0.09 -62.28	88.02 0.16 -84.96	61.82 1.60 -28.28	62.62 3.10 -3.57	64.00 2.39 -17.62	60.13 2.78 -11.95	60.12 2.46 -12.49	62.59 2.34 -14.10	60.80 2.59 -8.03	67.45 2.67 -12.55	85.61 3.35 -1.67	82.25 2.95 0.03	102.63 4.37 -3.28	112.73 1.28 -87.62	128.97 1.26 -102.06	87.24 1.57 -55.25	87.46 1.43 -58.75	94.30 2.03 -54.91	70.31 1.68 -35.97
ARTHUR_KILL_2 23512	103.40 1.24 -67.74	77.89 -0.35 -89.11	81.00 -0.60 -106.24	92.21 -0.36 -113.02	68.25 -0.35 -82.26	59.59 -0.08 -62.28	88.02 0.15 -84.96	61.73 1.51 -28.28	62.46 2.94 -3.57	63.89 2.28 -17.62	60.00 2.66 -11.95	60.02 2.36 -12.49	62.50 2.25 -14.10	60.68 2.47 -8.03	67.31 2.54 -12.55	85.40 3.14 -1.67	82.01 2.71 0.03	102.33 4.07 -3.28	112.64 1.19 -87.62	128.89 1.18 -102.06	87.14 1.47 -55.25	87.37 1.35 -58.75	94.18 1.91 -54.91	70.21 1.58 -35.97
ARTHUR_KILL_3 23513	103.09 0.93 -67.73	77.99 -0.24 -89.10	81.16 -0.44 -106.24	92.34 -0.23 -113.02	66.39 -0.20 -80.25	59.56 -0.05 -62.23	88.54 0.11 -85.52	61.37 1.15 -28.28	62.02 2.41 -3.65	63.53 1.93 -17.61	59.45 1.98 -12.08	59.84 1.85 -12.82	62.35 1.67 -14.53	60.37 1.75 -8.44	67.15 1.81 -13.11	84.95 2.63 -1.73	81.43 2.13 0.03	101.16 2.91 -3.28	107.90 0.89 -83.18	128.59 0.89 -102.06	82.65 1.08 -51.14	87.07 1.05 -58.74	83.64 1.47 -44.81	65.65 1.19 -31.80

ARTHUR_KILL_COGEN 323718	103.49 1.33 -67.74	77.86 -0.38 -89.11	80.94 -0.67 -106.24	92.16 -0.42 -113.02	68.21 -0.38 -82.26	59.58 -0.09 -62.28	88.02 0.16 -84.96	61.82 1.60 -28.28	62.62 3.10 -3.57	64.00 2.39 -17.62	60.13 2.78 -11.95	60.12 2.46 -12.49	62.59 2.34 -14.10	60.80 2.59 -8.03	67.45 2.67 -12.55	85.61 3.35 -1.67	82.25 2.95 0.03	102.63 4.37 -3.28	112.73 1.28 -87.62	128.97 1.26 -102.06	87.24 1.57 -55.25	87.46 1.43 -58.75	94.30 2.03 -54.91	70.31 1.68 -35.97
ASHOKAN____ 23654	109.33 1.68 -73.22	87.08 -0.47 -98.41	92.16 -0.98 -117.79	104.07 -0.79 -125.30	74.78 -0.53 -88.98	54.18 -0.11 -56.90	85.28 0.15 -82.23	64.29 1.75 -30.60	61.18 3.74 -1.48	71.25 2.75 -24.51	48.36 2.97 0.00	48.04 2.87 0.00	48.89 2.73 0.00	53.47 3.29 0.00	55.63 3.40 0.00	85.97 5.38 0.00	84.71 5.39 0.00	105.53 6.92 -3.63	117.69 1.63 -92.23	140.52 1.72 -113.16	88.84 2.01 -56.41	94.18 1.77 -65.13	89.45 2.37 -49.72	69.67 1.91 -35.10
ASTORIA_EAST_ENERGY_CC1 323581	101.47 1.00 -66.04	77.62 -0.27 -88.76	81.09 -0.51 -106.24	92.26 -0.31 -113.02	66.32 -0.27 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.76 1.33 -27.49	60.10 2.81 -1.33	60.03 2.22 -13.82	47.74 2.36 0.00	47.36 2.19 0.00	48.13 1.97 0.00	52.34 2.16 0.00	54.40 2.17 0.00	83.60 3.02 0.00	81.92 2.59 0.00	101.80 3.54 -3.28	108.06 1.04 -83.19	128.77 1.06 -102.06	82.58 1.28 -50.88	87.25 1.23 -58.74	83.91 1.74 -44.82	65.69 1.39 -31.64
ASTORIA_EAST_ENERGY_CC2 323582	101.47 1.00 -66.04	77.62 -0.27 -88.76	81.09 -0.51 -106.24	92.26 -0.31 -113.02	66.32 -0.27 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.76 1.33 -27.49	60.10 2.81 -1.33	60.03 2.22 -13.82	47.74 2.36 0.00	47.36 2.19 0.00	48.13 1.97 0.00	52.34 2.16 0.00	54.40 2.17 0.00	83.60 3.02 0.00	81.92 2.59 0.00	101.80 3.54 -3.28	108.06 1.04 -83.19	128.77 1.06 -102.06	82.58 1.28 -50.88	87.25 1.23 -58.74	83.91 1.74 -44.82	65.69 1.39 -31.64
ASTORIA_GT2_1 24094	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT2_2 24095	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT2_3 24096	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT2_4 24097	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT3_1 24098	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT3_2 24099	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT3_3 24100	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT3_4 24101	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT4_1 24102	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT4_2 24103	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT4_3 24104	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64

ASTORIA_GT4_4 24105	101.48 1.02 -66.04	77.62 -0.27 -88.76	81.07 -0.53 -106.24	92.25 -0.32 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.35 -27.49	60.12 2.83 -1.33	60.05 2.25 -13.82	47.78 2.39 0.00	47.40 2.23 0.00	48.17 2.01 0.00	52.38 2.20 0.00	54.47 2.24 0.00	83.68 3.10 0.00	81.97 2.64 0.00	101.87 3.61 -3.28	108.07 1.05 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.71 1.41 -31.64
ASTORIA_GT_1 23523	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.22 -0.35 -113.02	66.30 -0.30 -80.26	48.63 -0.09 -51.33	77.01 0.12 -73.98	60.83 1.41 -27.49	60.22 2.93 -1.33	60.13 2.32 -13.82	47.85 2.46 0.00	47.46 2.29 0.00	48.24 2.08 0.00	52.46 2.28 0.00	54.51 2.28 0.00	83.80 3.22 0.00	82.10 2.77 0.00	102.05 3.80 -3.28	108.12 1.10 -83.19	128.84 1.13 -102.06	82.65 1.35 -50.88	87.31 1.29 -58.74	84.01 1.83 -44.82	65.76 1.45 -31.64
ASTORIA_GT_10 24110	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.22 2.41 -13.82	47.94 2.55 0.00	47.56 2.39 0.00	48.39 2.23 0.00	52.58 2.40 0.00	54.70 2.47 0.00	84.10 3.51 0.00	82.38 3.06 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.06 1.89 -44.82	65.82 1.52 -31.64
ASTORIA_GT_11 24225	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.22 2.41 -13.82	47.94 2.55 0.00	47.56 2.39 0.00	48.39 2.23 0.00	52.58 2.40 0.00	54.70 2.47 0.00	84.10 3.51 0.00	82.38 3.06 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.06 1.89 -44.82	65.82 1.52 -31.64
ASTORIA_GT_12 24226	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.22 2.41 -13.82	47.94 2.55 0.00	47.56 2.39 0.00	48.39 2.23 0.00	52.58 2.40 0.00	54.70 2.47 0.00	84.10 3.51 0.00	82.38 3.06 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.06 1.89 -44.82	65.82 1.52 -31.64
ASTORIA_GT_13 24227	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.22 2.41 -13.82	47.94 2.55 0.00	47.56 2.39 0.00	48.39 2.23 0.00	52.58 2.40 0.00	54.70 2.47 0.00	84.10 3.51 0.00	82.38 3.06 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.06 1.89 -44.82	65.82 1.52 -31.64
ASTORIA_GT_5 24106	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.22 -0.35 -113.02	66.30 -0.30 -80.26	48.63 -0.09 -51.33	77.01 0.12 -73.98	60.83 1.41 -27.49	60.22 2.93 -1.33	60.13 2.33 -13.82	47.86 2.47 0.00	47.48 2.31 0.00	48.25 2.09 0.00	52.47 2.29 0.00	54.56 2.33 0.00	83.83 3.25 0.00	82.12 2.79 0.00	102.05 3.80 -3.28	108.12 1.10 -83.19	128.84 1.13 -102.06	82.65 1.35 -50.88	87.31 1.29 -58.74	84.01 1.83 -44.82	65.76 1.45 -31.64
ASTORIA_GT_7 24107	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.22 -0.35 -113.02	66.30 -0.30 -80.26	48.63 -0.09 -51.33	77.01 0.12 -73.98	60.83 1.41 -27.49	60.22 2.93 -1.33	60.13 2.33 -13.82	47.86 2.47 0.00	47.48 2.31 0.00	48.25 2.09 0.00	52.47 2.29 0.00	54.56 2.33 0.00	83.83 3.25 0.00	82.12 2.79 0.00	102.05 3.80 -3.28	108.12 1.10 -83.19	128.84 1.13 -102.06	82.65 1.35 -50.88	87.31 1.29 -58.74	84.01 1.83 -44.82	65.76 1.45 -31.64
ASTORIA_GT_8 24108	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.22 -0.35 -113.02	66.30 -0.30 -80.26	48.63 -0.09 -51.33	77.01 0.12 -73.98	60.83 1.41 -27.49	60.22 2.93 -1.33	60.13 2.33 -13.82	47.86 2.47 0.00	47.48 2.31 0.00	48.25 2.09 0.00	52.47 2.29 0.00	54.56 2.33 0.00	83.83 3.25 0.00	82.12 2.79 0.00	102.05 3.80 -3.28	108.12 1.10 -83.19	128.84 1.13 -102.06	82.65 1.35 -50.88	87.31 1.29 -58.74	84.01 1.83 -44.82	65.76 1.45 -31.64
ASTORIA___2 24149	101.48 1.01 -66.04	77.62 -0.28 -88.76	81.07 -0.53 -106.24	92.25 -0.33 -113.02	66.32 -0.28 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.34 -27.49	60.12 2.83 -1.33	60.05 2.24 -13.82	47.76 2.37 0.00	47.39 2.22 0.00	48.16 2.00 0.00	52.37 2.19 0.00	54.42 2.19 0.00	83.65 3.06 0.00	81.96 2.63 0.00	101.87 3.62 -3.28	108.07 1.06 -83.19	128.79 1.08 -102.06	82.59 1.29 -50.88	87.26 1.24 -58.74	83.95 1.77 -44.82	65.72 1.41 -31.64
ASTORIA___3 23516	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.21 2.40 -13.82	47.92 2.53 0.00	47.55 2.38 0.00	48.37 2.22 0.00	52.57 2.39 0.00	54.68 2.45 0.00	84.08 3.49 0.00	82.37 3.04 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.07 1.89 -44.82	65.82 1.52 -31.64
ASTORIA___4 23517	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.22 2.41 -13.82	47.94 2.55 0.00	47.56 2.39 0.00	48.39 2.23 0.00	52.58 2.40 0.00	54.70 2.47 0.00	84.10 3.51 0.00	82.38 3.06 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.06 1.89 -44.82	65.82 1.52 -31.64
ASTORIA___5 23518	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.21 2.40 -13.82	47.92 2.53 0.00	47.55 2.38 0.00	48.37 2.22 0.00	52.57 2.39 0.00	54.68 2.45 0.00	84.08 3.49 0.00	82.37 3.04 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.07 1.89 -44.82	65.82 1.52 -31.64
AST_ENERGY_2_CC3 323677	101.58 1.12 -66.04	77.59 -0.31 -88.76	81.01 -0.59 -106.24	92.20 -0.37 -113.02	66.30 -0.29 -80.25	48.65 -0.07 -51.32	77.02 0.13 -73.98	60.78 1.35 -27.49	60.08 2.79 -1.33	60.05 2.24 -13.82	47.63 2.24 0.00	47.28 2.11 0.00	48.07 1.92 0.00	52.21 2.03 0.00	54.31 2.09 0.00	83.61 3.02 0.00	81.89 2.56 0.00	101.71 3.46 -3.28	108.03 1.02 -83.18	128.74 1.03 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.95 1.77 -44.81	65.75 1.44 -31.64
AST_ENERGY_2_CC4 323678	101.58 1.12 -66.04	77.59 -0.31 -88.76	81.01 -0.59 -106.24	92.20 -0.37 -113.02	66.30 -0.29 -80.25	48.65 -0.07 -51.32	77.02 0.13 -73.98	60.78 1.35 -27.49	60.08 2.79 -1.33	60.05 2.24 -13.82	47.63 2.24 0.00	47.28 2.11 0.00	48.07 1.92 0.00	52.21 2.03 0.00	54.31 2.09 0.00	83.61 3.02 0.00	81.89 2.56 0.00	101.71 3.46 -3.28	108.03 1.02 -83.18	128.74 1.03 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.95 1.77 -44.81	65.75 1.44 -31.64

ATHENS_STG_1 23668	107.22 0.87 -71.92	85.57 -0.23 -96.67	90.59 -0.47 -115.70	102.28 -0.35 -123.08	73.50 -0.24 -87.40	53.24 -0.04 -55.89	83.70 0.07 -80.73	62.70 0.73 -30.03	58.87 1.45 -1.46	57.97 1.18 -12.81	46.62 1.23 0.00	46.33 1.16 0.00	47.20 1.04 0.00	51.30 1.12 0.00	53.47 1.24 0.00	82.47 1.88 0.00	80.97 1.65 0.00	100.76 2.22 -3.57	115.04 0.63 -90.59	137.43 0.64 -111.14	86.61 0.78 -55.40	91.95 0.70 -63.97	87.15 0.97 -48.82	67.95 0.81 -34.47
ATHENS_STG_2 23670	107.22 0.87 -71.92	85.57 -0.23 -96.67	90.59 -0.47 -115.70	102.28 -0.35 -123.08	73.50 -0.24 -87.40	53.24 -0.04 -55.89	83.70 0.07 -80.73	62.70 0.73 -30.03	58.87 1.45 -1.46	57.97 1.18 -12.81	46.62 1.23 0.00	46.33 1.16 0.00	47.20 1.04 0.00	51.30 1.12 0.00	53.47 1.24 0.00	82.47 1.88 0.00	80.97 1.65 0.00	100.76 2.22 -3.57	115.04 0.63 -90.59	137.43 0.64 -111.14	86.61 0.78 -55.40	91.95 0.70 -63.97	87.15 0.97 -48.82	67.95 0.81 -34.47
ATHENS_STG_3 23677	107.22 0.87 -71.92	85.57 -0.23 -96.67	90.59 -0.47 -115.70	102.28 -0.35 -123.08	73.50 -0.24 -87.40	53.24 -0.04 -55.89	83.70 0.07 -80.73	62.70 0.73 -30.03	58.87 1.45 -1.46	57.97 1.18 -12.81	46.62 1.23 0.00	46.33 1.16 0.00	47.20 1.04 0.00	51.30 1.12 0.00	53.47 1.24 0.00	82.47 1.88 0.00	80.97 1.65 0.00	100.76 2.22 -3.57	115.04 0.63 -90.59	137.43 0.64 -111.14	86.61 0.78 -55.40	91.95 0.70 -63.97	87.15 0.97 -48.82	67.95 0.81 -34.47
AUBURN___LFGE 323710	43.86 -0.29 -9.72	2.27 0.07 -13.07	-8.90 0.10 -15.64	-3.77 0.04 -16.64	-1.82 0.02 -11.82	4.96 0.01 -7.56	13.82 -0.01 -10.91	35.93 -0.07 -4.06	55.81 -0.34 -0.20	44.86 -0.25 -1.12	45.10 -0.28 0.00	44.89 -0.28 0.00	45.82 -0.34 0.00	49.83 -0.35 0.00	51.80 -0.43 0.00	79.87 -0.71 0.00	78.78 -0.55 0.00	94.89 -0.57 -0.48	36.08 0.00 -12.25	40.85 0.01 -15.20	39.00 -0.07 -8.65	36.11 -0.16 -8.99	43.80 -0.23 -6.67	37.19 -0.13 -4.66
BABYLON_RES_REC 323704	101.84 1.38 -66.03	77.36 -0.51 -88.75	80.52 -1.06 -106.22	91.80 -0.75 -113.00	66.02 -0.56 -80.24	48.61 -0.10 -51.31	77.02 0.15 -73.97	60.93 1.51 -27.48	60.42 3.13 -1.33	60.15 2.35 -13.81	48.14 2.76 0.00	48.03 2.86 0.00	48.62 2.47 0.00	53.04 2.86 0.00	54.93 2.70 0.00	84.48 3.90 0.00	82.87 3.54 0.00	102.55 4.30 -3.28	108.23 1.23 -83.17	129.07 1.38 -102.04	83.02 1.73 -50.87	87.67 1.66 -58.73	84.34 2.17 -44.81	66.17 1.63 -31.88
BABYLON__69_KV_BK2 356345	102.18 1.73 -66.03	77.25 -0.63 -88.75	80.28 -1.31 -106.22	91.59 -0.96 -113.00	65.88 -0.70 -80.24	48.58 -0.13 -51.31	77.04 0.17 -73.97	61.19 1.77 -27.48	60.87 3.58 -1.33	60.48 2.68 -13.81	48.53 3.14 0.00	48.43 3.27 0.00	49.04 2.88 0.00	53.52 3.34 0.00	55.48 3.25 0.00	85.30 4.71 0.00	83.59 4.26 0.00	103.20 4.95 -3.28	108.42 1.42 -83.17	129.34 1.65 -102.04	83.33 2.04 -50.87	87.95 1.94 -58.73	84.69 2.53 -44.81	66.43 1.92 -31.85
BALL_HILL_WT_PWR 323825	44.82 -1.89 -12.28	6.14 0.50 -16.51	-4.20 0.68 -19.76	1.02 0.45 -21.02	1.58 0.31 -14.92	6.90 0.06 -9.45	15.60 -0.10 -12.79	31.94 -0.97 -0.97	49.40 -1.17 5.39	39.77 -0.64 3.58	39.20 -1.03 5.16	39.32 -0.90 4.96	39.57 -1.09 5.49	43.20 -1.36 5.63	45.14 -1.87 5.22	71.37 -3.34 5.87	70.05 -3.17 6.11	84.24 -4.38 6.36	33.01 -1.20 -10.38	37.89 -1.20 -13.45	33.54 -1.56 -4.68	33.61 -1.37 -7.70	40.68 -1.35 -4.67	35.52 -1.10 -3.95
BARON_WINDS___WT_PWR 323822	48.54 -1.71 -15.82	11.06 0.67 -21.27	2.32 1.50 -25.46	7.76 1.13 -27.08	6.40 0.83 -19.23	8.56 0.16 -11.01	6.66 -0.15 -3.90	-21.31 -1.60 51.65	-25.75 -2.90 78.81	-24.76 -2.41 66.34	-29.58 -2.60 72.37	-26.91 -2.43 69.66	-33.86 -2.56 77.46	-31.98 -2.85 79.30	-24.35 -3.03 73.54	-7.03 -4.82 82.80	-11.39 -4.63 86.10	-8.44 -5.89 97.52	-29.67 -1.29 52.20	-29.88 -1.41 54.11	-26.84 -1.80 55.46	-6.07 -1.67 31.68	-6.00 -2.15 41.21	10.79 -2.00 19.87
BARRETT_IC_1 23704	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_10 23701	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_11 23702	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_12 23703	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_2 23705	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_3 23706	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_4 23707	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75

BARRETT_IC_5 23708	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_6 23709	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_7 23710	101.55 1.09 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.99 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.86 2.47 0.00	47.72 2.55 0.00	48.34 2.18 0.00	52.71 2.53 0.00	54.63 2.40 0.00	83.99 3.40 0.00	82.28 2.95 0.00	101.92 3.67 -3.28	108.02 1.02 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_8 23711	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT_IC_9 23700	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT___1 23545	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BARRETT___2 23546	101.54 1.08 -66.03	77.49 -0.38 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.62 1.19 -27.48	59.96 2.67 -1.33	59.95 2.14 -13.81	47.85 2.47 0.00	47.70 2.53 0.00	48.32 2.17 0.00	52.71 2.53 0.00	54.62 2.39 0.00	83.99 3.40 0.00	82.27 2.94 0.00	101.90 3.65 -3.28	108.01 1.01 -83.17	128.82 1.13 -102.04	82.76 1.47 -50.87	87.43 1.42 -58.73	84.01 1.85 -44.81	68.83 1.41 -34.75
BATAVIA___115KV_TB1 55881	43.58 -1.53 -10.68	3.78 0.31 -14.35	-7.11 0.35 -17.17	-2.09 0.09 -18.27	-0.64 0.05 -12.97	5.59 0.00 -8.19	13.78 -0.05 -10.92	31.50 -0.44 0.00	49.46 -0.68 5.83	39.60 -0.27 4.12	39.16 -0.70 5.53	39.14 -0.72 5.31	39.48 -0.78 5.90	43.47 -0.67 6.04	45.49 -1.14 5.60	72.22 -2.05 6.31	70.97 -1.79 6.56	85.86 -2.16 6.96	31.16 -0.63 -7.96	35.56 -0.61 -10.53	32.65 -0.85 -3.07	32.45 -0.85 -6.02	39.90 -0.75 -3.29	35.12 -0.57 -3.03
BAYONEEC___CTG1 323682	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG10 323750	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG2 323683	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG3 323684	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG4 323685	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG5 323686	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG6 323687	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64

BAYONEEC___CTG7 323688	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG8 323689	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BAYONEEC___CTG9 323749	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.03 -0.56 -106.24	92.23 -0.34 -113.02	66.32 -0.28 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.75 1.32 -27.49	60.03 2.74 -1.33	60.01 2.20 -13.82	46.59 2.25 1.04	47.29 2.12 0.00	48.10 1.94 0.00	52.23 2.05 0.00	54.34 2.11 0.00	83.66 3.07 0.00	81.81 2.58 0.10	101.74 3.48 -3.28	108.04 1.03 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.86 1.69 -44.81	65.68 1.38 -31.64
BEACON___LESR 323632	115.51 1.38 -79.71	95.88 -0.37 -107.13	102.77 -0.82 -128.23	115.27 -0.69 -136.41	82.77 -0.44 -96.86	59.25 -0.08 -61.94	92.65 0.11 -89.64	66.50 1.18 -33.39	59.72 2.14 -1.62	82.72 1.73 -37.00	47.20 1.81 0.00	46.92 1.74 0.00	47.91 1.75 0.00	52.27 2.09 0.00	54.54 2.31 0.00	84.25 3.67 0.00	82.89 3.56 0.00	103.49 4.56 -3.96	125.39 1.20 -100.36	150.05 1.28 -123.14	93.27 1.46 -61.38	99.46 1.31 -70.88	93.23 1.75 -54.12	72.39 1.52 -38.21
BEAVER RIVER___HYD 24048	39.37 1.21 -3.74	-6.20 -0.34 -5.02	-19.03 -0.40 -6.01	-14.57 -0.51 -6.39	-9.45 -0.33 -4.54	0.24 -0.06 -2.90	7.20 0.10 -4.19	34.28 0.78 -1.56	56.41 0.38 -0.08	44.09 -0.33 -0.43	45.48 0.09 0.00	45.73 0.56 0.00	45.69 -0.46 0.00	49.24 -0.94 0.00	51.62 -0.60 0.00	81.09 0.50 0.00	80.37 1.04 0.00	96.82 1.66 -0.19	29.14 0.60 -4.71	34.79 0.82 -8.33	51.52 0.98 -20.12	36.74 1.04 -8.43	41.76 0.92 -3.48	34.95 0.50 -1.79
BEEBEE_GT_13 23619	42.41 -1.52 -9.51	2.27 0.36 -12.78	-8.68 0.67 -15.29	-3.77 0.41 -16.27	-1.84 0.27 -11.55	4.82 0.05 -7.39	13.50 -0.07 -10.67	35.17 -0.74 -3.97	54.83 -1.32 -0.19	44.25 -0.84 -1.09	44.32 -1.07 0.00	44.18 -0.99 0.00	45.11 -1.04 0.00	49.11 -1.08 0.00	50.78 -1.45 0.00	78.12 -2.47 0.00	77.03 -2.29 0.00	92.67 -2.78 -0.47	35.07 -0.73 -11.98	39.60 -0.75 -14.70	36.77 -0.98 -7.33	34.80 -0.94 -8.46	42.79 -1.02 -6.46	36.38 -0.84 -4.56
BENSHRST_27_KV_BENSHRST_1 355998	103.77 1.61 -67.74	77.78 -0.46 -89.11	80.69 -0.91 -106.24	91.95 -0.62 -113.02	68.11 -0.49 -82.26	59.56 -0.11 -62.28	88.05 0.18 -84.96	62.13 1.91 -28.28	63.71 3.76 -3.99	65.21 2.94 -18.28	60.52 3.18 -11.95	60.62 2.96 -12.49	63.10 2.85 -14.10	61.32 3.11 -8.03	67.98 3.20 -12.55	86.71 4.45 -1.68	83.32 3.99 0.00	103.60 5.34 -3.28	112.94 1.50 -87.62	129.23 1.52 -102.06	87.51 1.84 -55.25	87.73 1.71 -58.75	94.66 2.39 -54.91	70.58 1.95 -35.97
BETHLEHEM___GRP 23843	115.31 1.04 -79.84	96.14 -0.29 -107.30	103.17 -0.63 -128.43	115.68 -0.50 -136.63	83.03 -0.33 -97.02	59.37 -0.06 -62.04	92.77 0.08 -89.78	66.19 0.82 -33.44	59.14 1.56 -1.62	83.62 1.27 -38.36	46.71 1.32 0.00	46.46 1.29 0.00	47.36 1.21 0.00	51.59 1.41 0.00	53.96 1.73 0.00	83.30 2.72 0.00	81.93 2.60 0.00	102.26 3.33 -3.96	125.20 0.86 -100.52	149.87 0.89 -123.33	92.97 1.07 -61.48	99.20 0.94 -70.99	92.86 1.29 -54.21	72.07 1.13 -38.27
BETHLEHEM___GS1 323560	115.31 1.04 -79.84	96.14 -0.29 -107.30	103.17 -0.62 -128.43	115.68 -0.50 -136.63	83.03 -0.33 -97.02	59.37 -0.06 -62.04	92.77 0.08 -89.78	66.19 0.82 -33.44	59.13 1.56 -1.62	83.62 1.27 -38.36	46.70 1.31 0.00	46.45 1.27 0.00	47.35 1.20 0.00	51.59 1.41 0.00	53.96 1.73 0.00	83.30 2.71 0.00	81.92 2.59 0.00	102.23 3.29 -3.96	125.20 0.86 -100.52	149.87 0.89 -123.33	92.97 1.07 -61.48	99.20 0.94 -70.99	92.86 1.29 -54.21	72.07 1.13 -38.27
BETHLEHEM___GS2 323561	115.31 1.04 -79.84	96.14 -0.29 -107.30	103.17 -0.62 -128.43	115.68 -0.50 -136.63	83.03 -0.33 -97.02	59.37 -0.06 -62.04	92.77 0.08 -89.78	66.19 0.82 -33.44	59.13 1.56 -1.62	83.62 1.27 -38.36	46.70 1.31 0.00	46.45 1.27 0.00	47.35 1.20 0.00	51.59 1.41 0.00	53.96 1.73 0.00	83.30 2.71 0.00	81.92 2.59 0.00	102.23 3.29 -3.96	125.20 0.86 -100.52	149.87 0.89 -123.33	92.97 1.07 -61.48	99.20 0.94 -70.99	92.86 1.29 -54.21	72.07 1.13 -38.27
BETHLEHEM___GS3 323562	115.31 1.04 -79.84	96.14 -0.29 -107.30	103.17 -0.62 -128.43	115.68 -0.50 -136.63	83.03 -0.33 -97.02	59.37 -0.06 -62.04	92.77 0.08 -89.78	66.19 0.82 -33.44	59.13 1.56 -1.62	83.62 1.27 -38.36	46.70 1.31 0.00	46.45 1.27 0.00	47.35 1.20 0.00	51.59 1.41 0.00	53.96 1.73 0.00	83.30 2.71 0.00	81.92 2.59 0.00	102.23 3.29 -3.96	125.20 0.86 -100.52	149.87 0.89 -123.33	92.97 1.07 -61.48	99.20 0.94 -70.99	92.86 1.29 -54.21	72.07 1.13 -38.27
BETHLEHEM___STEEL 23779	44.73 -1.83 -12.12	5.84 0.42 -16.30	-4.55 0.59 -19.51	0.61 0.31 -20.75	1.29 0.22 -14.73	6.75 0.04 -9.32	15.38 -0.09 -12.56	31.73 -0.88 -0.68	48.94 -1.32 5.71	39.41 -0.71 3.88	38.85 -1.09 5.45	38.93 -1.01 5.23	39.18 -1.17 5.81	42.87 -1.35 5.95	44.75 -1.96 5.52	70.95 -3.42 6.21	69.65 -3.21 6.46	83.88 -4.31 6.78	32.50 -1.20 -9.87	37.31 -1.20 -12.86	33.16 -1.53 -4.27	33.28 -1.36 -7.36	40.37 -1.33 -4.34	35.38 -1.03 -3.76
BETHLHEM_115KV_TB1 79974	114.88 0.89 -79.56	95.82 -0.25 -106.94	102.83 -0.53 -128.00	115.30 -0.41 -136.16	82.75 -0.27 -96.69	59.17 -0.05 -61.83	92.41 0.06 -89.45	65.94 0.69 -33.31	58.91 1.33 -1.61	73.13 1.10 -28.04	46.52 1.13 0.00	46.28 1.11 0.00	47.16 1.01 0.00	51.33 1.15 0.00	53.64 1.41 0.00	82.76 2.17 0.00	81.37 2.05 0.00	101.59 2.67 -3.95	124.72 0.70 -100.19	149.29 0.72 -122.93	92.57 0.87 -61.28	98.81 0.77 -70.76	92.44 1.05 -54.02	71.72 0.91 -38.14
BETHPAGE_CC_5 323564	101.83 1.38 -66.03	77.38 -0.50 -88.75	80.57 -1.01 -106.22	91.83 -0.73 -113.00	66.04 -0.54 -80.24	48.61 -0.10 -51.31	77.01 0.14 -73.97	60.92 1.50 -27.48	60.46 3.17 -1.33	60.23 2.43 -13.81	48.17 2.78 0.00	48.05 2.88 0.00	48.64 2.49 0.00	53.07 2.89 0.00	54.98 2.75 0.00	84.43 3.84 0.00	82.82 3.49 0.00	102.56 4.30 -3.28	108.22 1.22 -83.17	129.05 1.36 -102.04	82.96 1.67 -50.87	87.61 1.61 -58.73	84.26 2.09 -44.81	66.19 1.58 -31.96
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	45.04 -1.65 -12.27	6.00 0.38 -16.49	-4.40 0.50 -19.74	0.79 0.25 -21.00	1.43 0.18 -14.91	6.87 0.03 -9.44	15.62 -0.08 -12.80	32.22 -0.77 -1.04	49.56 -1.11 5.29	39.94 -0.56 3.49	39.40 -0.92 5.06	39.44 -0.87 4.87	39.72 -1.03 5.40	43.46 -1.19 5.53	45.32 -1.78 5.13	71.69 -3.12 5.78	70.40 -2.92 6.01	84.75 -3.98 6.25	33.16 -1.11 -10.43	38.04 -1.10 -13.50	33.75 -1.42 -4.74	33.74 -1.27 -7.73	40.85 -1.22 -4.71	35.69 -0.95 -3.97

BINGHAMTON___COGEN 23790	56.16 -0.19 -21.92	18.70 0.11 -29.47	10.83 0.20 -35.27	17.21 0.13 -37.52	13.07 0.09 -26.64	14.45 0.01 -17.04	27.52 0.00 -24.61	41.15 0.06 -9.15	56.57 0.17 -0.44	49.37 0.12 -5.25	45.48 0.09 0.00	45.33 0.16 0.00	46.25 0.10 0.00	50.18 0.00 0.00	52.11 -0.12 0.00	80.32 -0.26 0.00	79.02 -0.30 0.00	95.52 -0.54 -1.09	51.40 -0.03 -27.61	59.48 -0.03 -33.87	47.19 -0.12 -16.89	46.64 -0.13 -19.50	52.15 -0.09 -14.88	43.01 -0.16 -10.50
BIXINCNT_115KV_LOAD 355685	46.17 -1.19 -12.93	6.90 0.39 -17.38	-3.19 0.65 -20.80	2.19 0.51 -22.13	2.54 0.50 -15.71	7.47 0.08 -9.99	16.74 -0.14 -13.98	33.81 -1.28 -3.16	50.99 -2.19 2.78	42.78 -1.47 -0.26	40.80 -1.81 2.78	40.88 -1.62 2.67	41.30 -1.89 2.97	45.08 -2.06 3.04	46.82 -2.59 2.81	73.09 -4.32 3.17	71.65 -4.38 3.30	86.37 -5.48 3.12	35.98 -1.38 -13.53	41.24 -1.38 -16.99	35.98 -1.81 -7.37	35.34 -1.69 -9.75	42.31 -1.85 -6.79	36.29 -1.52 -5.15
BLACK RIVER___HYD 24047	40.14 0.88 -4.83	-4.60 -0.22 -6.49	-17.00 -0.14 -7.77	-12.45 -0.27 -8.27	-7.99 -0.21 -5.87	1.09 -0.05 -3.75	8.43 0.11 -5.42	34.72 0.77 -2.02	56.31 0.25 -0.10	44.16 -0.39 -0.55	45.25 -0.14 0.00	45.39 0.22 0.00	45.56 -0.60 0.00	49.32 -0.86 0.00	51.55 -0.67 0.00	81.15 0.56 0.00	80.53 1.20 0.00	97.34 2.13 -0.24	30.65 0.74 -6.08	35.84 0.90 -9.29	47.51 1.03 -16.06	36.17 0.94 -7.95	42.10 0.79 -3.96	35.37 0.39 -2.32
BLACKRVR_115KV_TB2 79977	40.14 0.88 -4.83	-4.60 -0.22 -6.49	-17.00 -0.13 -7.77	-12.45 -0.27 -8.27	-7.99 -0.21 -5.87	1.09 -0.05 -3.75	8.43 0.11 -5.42	34.72 0.77 -2.02	56.31 0.25 -0.10	44.16 -0.39 -0.55	45.24 -0.15 0.00	45.38 0.21 0.00	45.54 -0.61 0.00	49.31 -0.88 0.00	51.54 -0.68 0.00	81.14 0.55 0.00	80.53 1.20 0.00	97.31 2.10 -0.24	30.65 0.74 -6.08	35.83 0.90 -9.29	47.51 1.03 -16.06	36.17 0.94 -7.95	42.10 0.78 -3.96	35.37 0.39 -2.32
BLISS_WT_PWR 323608	46.10 -1.26 -12.93	6.95 0.45 -17.38	-3.05 0.79 -20.80	2.35 0.67 -22.13	2.69 0.64 -15.71	7.50 0.11 -9.99	16.70 -0.18 -13.98	33.47 -1.63 -3.16	50.37 -2.81 2.78	42.30 -1.95 -0.26	40.33 -2.28 2.78	40.45 -2.06 2.67	40.80 -2.39 2.97	44.57 -2.58 3.04	46.30 -3.11 2.81	72.26 -5.15 3.17	70.79 -5.24 3.30	85.45 -6.40 3.12	35.76 -1.60 -13.53	40.99 -1.63 -16.99	35.68 -2.12 -7.37	35.07 -1.96 -9.75	41.91 -2.24 -6.79	35.94 -1.87 -5.15
BLUESTONE___WT_PWR 323821	58.58 0.64 -23.52	20.69 -0.05 -31.62	13.34 0.13 -37.84	19.85 0.05 -40.26	14.88 -0.05 -28.59	15.73 0.05 -18.28	29.26 0.52 -26.40	42.28 1.40 -9.82	57.84 0.67 -0.48	52.34 0.67 -7.68	46.21 0.82 0.00	45.62 0.45 0.00	47.01 0.85 0.00	50.11 -0.07 0.00	51.88 -0.34 0.00	79.52 -1.07 0.00	77.25 -2.08 0.00	93.83 -2.31 -1.17	52.99 -0.46 -29.62	61.46 -0.53 -36.35	47.83 -0.72 -18.12	47.45 -0.75 -20.92	52.30 -1.02 -15.97	42.79 -1.15 -11.27
BLUE_CIRC_CHEM_DRP 24182	114.26 1.12 -78.72	94.61 -0.32 -105.80	101.30 -0.69 -126.63	113.71 -0.56 -134.72	81.63 -0.37 -95.66	58.50 -0.07 -61.17	91.48 0.08 -88.49	65.78 0.89 -32.95	59.18 1.63 -1.60	75.00 1.32 -29.69	46.72 1.33 0.00	46.48 1.30 0.00	47.37 1.22 0.00	51.58 1.40 0.00	53.92 1.69 0.00	83.26 2.67 0.00	81.93 2.60 0.00	102.21 3.33 -3.91	123.80 0.85 -99.13	148.15 0.89 -121.62	92.11 1.06 -60.63	98.21 0.92 -70.01	92.07 1.26 -53.45	71.51 1.11 -37.74
BOC_GAS_DRP 24189	114.76 0.77 -79.56	95.86 -0.21 -106.94	102.92 -0.44 -128.00	115.37 -0.34 -136.16	82.81 -0.22 -96.69	59.18 -0.04 -61.83	92.40 0.05 -89.45	65.81 0.56 -33.31	58.66 1.09 -1.61	72.92 0.89 -28.04	46.33 0.94 0.00	46.07 0.90 0.00	46.96 0.80 0.00	51.11 0.93 0.00	53.40 1.17 0.00	82.38 1.80 0.00	80.98 1.65 0.00	101.08 2.15 -3.95	124.59 0.58 -100.19	149.16 0.59 -122.93	92.42 0.72 -61.28	98.67 0.64 -70.76	92.27 0.89 -54.02	71.59 0.78 -38.14
BOONVILLE_115KV_TB1 79983	38.38 0.98 -2.97	-7.16 -0.28 -3.99	-20.28 -0.41 -4.78	-15.80 -0.43 -5.08	-10.34 -0.29 -3.61	-0.36 -0.06 -2.31	6.34 0.09 -3.33	34.04 0.86 -1.24	57.17 1.15 -0.06	44.92 0.59 -0.34	46.26 0.87 0.00	46.30 1.12 0.00	46.74 0.58 0.00	50.58 0.40 0.00	52.89 0.66 0.00	82.21 1.63 0.00	81.20 1.87 0.00	97.52 2.39 -0.15	28.27 0.70 -3.74	31.99 0.79 -5.56	40.21 0.93 -8.86	32.74 0.88 -4.59	40.68 0.94 -2.38	34.72 0.63 -1.42
BORALEX_4TH_BRANCH 23824	115.57 1.41 -79.73	95.84 -0.45 -107.16	102.65 -0.97 -128.27	115.21 -0.79 -136.45	82.74 -0.49 -96.89	59.27 -0.08 -61.96	92.35 0.14 -89.31	66.77 1.65 -33.18	60.76 3.20 -1.60	105.00 2.89 -58.12	48.49 3.10 0.00	48.08 2.91 0.00	48.87 2.71 0.00	52.81 2.63 0.00	54.57 2.34 0.00	84.26 3.67 0.00	83.02 3.70 0.00	103.23 4.30 -3.96	125.31 1.07 -100.41	150.00 1.16 -123.20	93.20 1.37 -61.41	99.48 1.28 -70.92	93.34 1.79 -54.19	72.60 1.68 -38.26
BOWLINE___1 23526	98.52 0.84 -63.26	73.92 -0.23 -85.02	76.65 -0.48 -101.76	87.48 -0.33 -108.26	62.97 -0.25 -76.87	46.50 -0.05 -49.16	73.88 0.10 -70.87	59.39 1.11 -26.34	59.37 2.13 -1.28	58.84 1.67 -13.18	47.13 1.74 0.00	46.80 1.62 0.00	47.64 1.48 0.00	51.77 1.59 0.00	53.91 1.68 0.00	83.14 2.55 0.00	81.48 2.15 0.00	101.06 2.94 -3.14	104.37 0.86 -79.68	124.29 0.88 -97.77	80.21 1.05 -48.73	84.51 0.96 -56.27	81.57 1.28 -42.93	64.01 1.04 -30.31
BOWLINE___2 23595	98.53 0.84 -63.26	73.93 -0.23 -85.03	76.66 -0.48 -101.77	87.49 -0.33 -108.27	62.98 -0.25 -76.88	46.50 -0.05 -49.17	73.88 0.10 -70.88	59.39 1.11 -26.34	59.37 2.14 -1.28	58.84 1.67 -13.18	47.13 1.74 0.00	46.80 1.62 0.00	47.64 1.48 0.00	51.78 1.60 0.00	53.91 1.68 0.00	83.14 2.55 0.00	81.48 2.15 0.00	101.06 2.94 -3.14	104.38 0.86 -79.69	124.30 0.88 -97.77	80.21 1.06 -48.74	84.52 0.96 -56.27	81.58 1.28 -42.93	64.02 1.04 -30.31
BRADY___115KV_TB2 356060	41.66 4.62 -2.61	-8.83 -1.47 -3.51	-23.69 -3.26 -4.20	-18.85 -2.87 -4.47	-12.23 -1.75 -3.18	-0.88 -0.30 -2.03	6.18 0.34 -2.93	36.55 3.52 -1.09	60.87 4.86 -0.05	47.22 2.93 -0.30	48.23 2.84 0.00	48.02 2.85 0.00	47.92 1.77 0.00	51.51 1.33 0.00	54.70 2.47 0.00	86.70 6.11 0.00	86.48 7.15 0.00	105.62 10.51 -0.13	29.91 2.79 -3.29	40.01 3.68 -10.69	81.92 4.35 -47.15	47.30 4.40 -15.62	46.97 5.38 -4.23	38.44 4.39 -1.39
BRANSCOMB___SOLAR 323811	118.36 2.05 -81.89	98.59 -0.60 -110.06	105.77 -1.32 -131.73	118.61 -1.08 -140.14	85.15 -0.70 -99.51	60.89 -0.14 -63.63	95.07 0.19 -91.97	68.34 2.17 -34.23	61.53 3.92 -1.66	115.87 3.08 -68.80	48.28 2.89 0.00	48.07 2.90 0.00	48.94 2.79 0.00	53.22 3.04 0.00	55.54 3.32 0.00	86.02 5.44 0.00	84.81 5.48 0.00	105.90 6.86 -4.07	128.71 1.68 -103.20	154.07 1.81 -126.61	95.62 2.08 -63.12	102.01 1.85 -72.88	95.47 2.44 -55.66	74.14 2.17 -39.30
BRENTWOD_69_KV_W. BRTWOOD 56703	102.05 1.59 -66.03	77.29 -0.59 -88.75	80.37 -1.21 -106.22	91.67 -0.88 -113.00	65.92 -0.66 -80.24	48.59 -0.12 -51.31	77.03 0.16 -73.97	61.02 1.60 -27.48	60.53 3.24 -1.33	60.26 2.45 -13.81	48.33 2.94 0.00	48.27 3.09 0.00	48.82 2.67 0.00	53.29 3.11 0.00	55.22 3.00 0.00	84.90 4.32 0.00	83.13 3.80 0.00	102.10 3.85 -3.28	108.16 1.16 -83.17	129.16 1.48 -102.04	83.13 1.84 -50.87	87.79 1.78 -58.73	84.48 2.31 -44.81	66.19 1.75 -31.77

BRISTLHL_115KV_TB1 79998	41.23 -0.26 -7.06	-1.29 0.09 -9.50	-13.06 0.21 -11.36	-8.23 0.13 -12.09	-4.98 0.09 -8.59	2.89 0.01 -5.49	10.83 0.00 -7.93	34.80 -0.09 -2.95	55.63 -0.47 -0.14	44.41 -0.39 -0.81	45.02 -0.37 0.00	44.85 -0.32 0.00	45.71 -0.44 0.00	49.79 -0.39 0.00	51.77 -0.46 0.00	80.03 -0.55 0.00	79.05 -0.28 0.00	95.17 -0.16 -0.35	32.84 0.11 -8.90	37.08 0.13 -11.30	38.54 0.07 -8.05	34.29 -0.04 -7.06	42.13 -0.17 -4.94	35.83 -0.22 -3.39
BROOKHAVEN___DRP 24191	101.55 1.10 -66.03	77.31 -0.56 -88.75	80.42 -1.16 -106.22	91.73 -0.82 -113.00	65.98 -0.61 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.45 1.03 -27.48	59.58 2.29 -1.33	59.51 1.70 -13.81	47.79 2.40 0.00	47.75 2.58 0.00	48.23 2.08 0.00	52.85 2.67 0.00	54.79 2.56 0.00	84.19 3.60 0.00	82.17 2.85 0.00	101.71 3.46 -3.28	107.95 0.95 -83.17	128.76 1.07 -102.04	82.59 1.30 -50.87	87.29 1.28 -58.73	83.77 1.60 -44.81	65.54 1.13 -31.75
BROOKLYN_NAVY_YARD 23515	101.55 1.08 -66.04	77.60 -0.29 -88.76	81.06 -0.54 -106.24	92.27 -0.29 -113.02	66.33 -0.26 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.76 1.34 -27.49	60.01 2.71 -1.33	60.00 2.19 -13.82	47.62 2.23 0.00	47.30 2.13 0.00	48.09 1.93 0.00	52.21 2.03 0.00	54.34 2.12 0.00	83.68 3.10 0.00	81.95 2.62 0.00	101.76 3.50 -3.28	108.06 1.04 -83.18	128.77 1.06 -102.06	82.57 1.27 -50.88	87.25 1.23 -58.74	83.91 1.73 -44.81	65.72 1.42 -31.64
BROOKLYN___ARMY_DRP 323595	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
BROOKVLE_69_KV_TB1 55790	101.95 1.49 -66.03	77.37 -0.50 -88.75	80.55 -1.03 -106.22	91.81 -0.74 -113.00	66.03 -0.55 -80.24	48.60 -0.10 -51.31	77.02 0.15 -73.97	61.06 1.64 -27.48	60.69 3.40 -1.33	60.45 2.64 -13.81	48.36 2.97 0.00	48.21 3.04 0.00	48.85 2.70 0.00	53.23 3.06 0.00	55.19 2.97 0.00	84.86 4.27 0.00	83.26 3.94 0.00	103.17 4.92 -3.28	108.35 1.36 -83.17	129.17 1.49 -102.04	83.13 1.84 -50.87	87.75 1.74 -58.73	84.43 2.27 -44.81	66.59 1.76 -32.17
BROOME_2_LFGE 323671	56.15 -0.20 -21.92	18.70 0.11 -29.47	10.83 0.20 -35.27	17.21 0.13 -37.52	13.08 0.09 -26.64	14.45 0.02 -17.04	27.52 0.00 -24.61	41.14 0.05 -9.15	56.58 0.17 -0.44	49.36 0.12 -5.25	45.47 0.08 0.00	45.33 0.16 0.00	46.25 0.10 0.00	50.18 0.00 0.00	52.10 -0.12 0.00	80.32 -0.26 0.00	79.02 -0.31 0.00	95.51 -0.55 -1.09	51.40 -0.04 -27.61	59.48 -0.03 -33.87	47.19 -0.12 -16.89	46.65 -0.13 -19.50	52.15 -0.09 -14.88	43.01 -0.16 -10.50
BROOME___LFGE 323600	56.15 -0.20 -21.92	18.70 0.11 -29.47	10.83 0.20 -35.27	17.21 0.13 -37.52	13.08 0.09 -26.64	14.45 0.02 -17.04	27.52 0.00 -24.61	41.14 0.05 -9.15	56.58 0.17 -0.44	49.36 0.12 -5.25	45.47 0.08 0.00	45.33 0.16 0.00	46.25 0.10 0.00	50.18 0.00 0.00	52.10 -0.12 0.00	80.32 -0.26 0.00	79.02 -0.31 0.00	95.51 -0.55 -1.09	51.40 -0.04 -27.61	59.48 -0.03 -33.87	47.19 -0.12 -16.89	46.65 -0.13 -19.50	52.15 -0.09 -14.88	43.01 -0.16 -10.50
BROWNFLS_115KV_TB_3_5 80003	39.66 2.05 -3.19	-7.22 -0.64 -4.29	-20.70 -1.20 -5.14	-16.14 -1.15 -5.47	-10.44 -0.66 -3.88	-0.23 -0.11 -2.48	6.63 0.13 -3.58	34.47 1.20 -1.33	57.11 1.08 -0.06	44.64 0.28 -0.37	45.94 0.55 0.00	45.96 0.79 0.00	46.04 -0.12 0.00	49.56 -0.62 0.00	52.08 -0.15 0.00	81.85 1.27 0.00	81.09 1.76 0.00	97.99 2.85 -0.16	28.71 0.86 -4.02	36.45 1.34 -9.47	65.25 1.60 -33.23	40.97 1.79 -11.90	43.15 1.94 -3.85	35.71 1.42 -1.63
BROWNSV1_27_KV_LOAD 356125	101.93 1.46 -66.04	77.48 -0.41 -88.76	80.78 -0.82 -106.24	92.01 -0.56 -113.02	66.17 -0.42 -80.25	48.62 -0.10 -51.32	77.04 0.16 -73.98	61.14 1.71 -27.49	60.74 3.45 -1.33	60.56 2.75 -13.82	48.20 2.81 0.00	47.83 2.66 0.00	48.66 2.51 0.00	52.85 2.67 0.00	55.00 2.77 0.00	84.66 4.07 0.00	82.94 3.61 0.00	102.97 4.72 -3.28	108.35 1.34 -83.18	129.08 1.38 -102.06	82.96 1.66 -50.88	87.60 1.58 -58.74	84.34 2.17 -44.81	66.07 1.77 -31.64
BURROWS___LYONSDAL 23803	38.50 0.95 -3.12	-6.95 -0.27 -4.19	-19.93 -0.31 -5.02	-15.50 -0.39 -5.34	-10.13 -0.26 -3.79	-0.23 -0.05 -2.43	6.50 0.09 -3.50	34.01 0.77 -1.30	56.85 0.82 -0.06	44.57 0.23 -0.36	45.98 0.59 0.00	46.12 0.95 0.00	46.41 0.25 0.00	50.14 -0.04 0.00	52.46 0.24 0.00	81.75 1.16 0.00	80.81 1.49 0.00	97.05 1.91 -0.15	28.37 0.61 -3.93	32.46 0.71 -6.10	42.33 0.85 -11.07	33.46 0.84 -5.34	40.77 0.81 -2.59	34.64 0.48 -1.50
CAITHNESS_CC_1 323624	101.54 1.08 -66.03	77.34 -0.54 -88.75	80.47 -1.11 -106.22	91.77 -0.78 -113.00	66.01 -0.57 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.48 1.06 -27.48	59.62 2.32 -1.33	59.54 1.74 -13.81	47.77 2.38 0.00	47.72 2.55 0.00	48.22 2.06 0.00	52.81 2.63 0.00	54.73 2.50 0.00	84.09 3.50 0.00	82.15 2.82 0.00	101.67 3.42 -3.28	107.95 0.95 -83.17	128.77 1.08 -102.04	82.63 1.34 -50.87	87.33 1.32 -58.73	83.82 1.65 -44.81	65.59 1.18 -31.75
CALPINE BETH_PAGE_GT4 24209	101.84 1.38 -66.03	77.38 -0.49 -88.75	80.57 -1.01 -106.22	91.83 -0.72 -113.00	66.04 -0.54 -80.24	48.61 -0.10 -51.31	77.01 0.14 -73.97	60.93 1.51 -27.48	60.47 3.18 -1.33	60.26 2.45 -13.81	48.19 2.80 0.00	48.05 2.88 0.00	48.66 2.51 0.00	53.08 2.90 0.00	55.00 2.77 0.00	84.39 3.80 0.00	82.73 3.40 0.00	102.50 4.25 -3.28	108.20 1.20 -83.17	129.04 1.35 -102.04	82.92 1.63 -50.87	87.56 1.55 -58.73	84.18 2.01 -44.81	66.22 1.51 -32.04
CALPINE_BETH_PAGE_GT_4 323586	101.84 1.38 -66.03	77.38 -0.49 -88.75	80.57 -1.01 -106.22	91.83 -0.72 -113.00	66.04 -0.54 -80.24	48.61 -0.10 -51.31	77.01 0.14 -73.97	60.93 1.51 -27.48	60.46 3.17 -1.33	60.26 2.46 -13.81	48.18 2.79 0.00	48.05 2.88 0.00	48.65 2.50 0.00	53.07 2.89 0.00	54.97 2.75 0.00	84.37 3.78 0.00	82.73 3.40 0.00	102.49 4.23 -3.28	108.20 1.20 -83.17	129.04 1.35 -102.04	82.91 1.62 -50.87	87.56 1.55 -58.73	84.18 2.02 -44.81	66.22 1.51 -32.04
CALPINE_BP_GT1 23823	101.84 1.38 -66.03	77.38 -0.49 -88.75	80.57 -1.01 -106.22	91.83 -0.72 -113.00	66.04 -0.54 -80.24	48.61 -0.10 -51.31	77.01 0.14 -73.97	60.93 1.51 -27.48	60.46 3.17 -1.33	60.26 2.46 -13.81	48.18 2.79 0.00	48.05 2.88 0.00	48.65 2.50 0.00	53.07 2.89 0.00	54.97 2.75 0.00	84.37 3.78 0.00	82.73 3.40 0.00	102.49 4.23 -3.28	108.20 1.20 -83.17	129.04 1.35 -102.04	82.91 1.62 -50.87	87.56 1.55 -58.73	84.18 2.02 -44.81	66.22 1.51 -32.04
CALSPAN___DRP 24200	44.73 -1.83 -12.12	5.84 0.42 -16.30	-4.55 0.59 -19.51	0.61 0.31 -20.75	1.29 0.22 -14.73	6.75 0.04 -9.32	15.38 -0.09 -12.56	31.73 -0.88 -0.68	48.94 -1.32 5.71	39.41 -0.71 3.88	38.85 -1.09 5.45	38.93 -1.01 5.23	39.18 -1.17 5.81	42.87 -1.35 5.95	44.75 -1.96 5.52	70.95 -3.42 6.21	69.71 -3.21 6.41	83.88 -4.31 6.78	32.50 -1.20 -9.87	37.31 -1.20 -12.86	33.16 -1.53 -4.27	33.28 -1.36 -7.36	40.37 -1.33 -4.34	35.38 -1.03 -3.76

CALVERTON___SOLAR 323806	101.62 1.16 -66.03	77.29 -0.59 -88.75	80.36 -1.22 -106.22	91.67 -0.88 -113.00	65.95 -0.64 -80.24	48.63 -0.08 -51.31	76.98 0.11 -73.97	60.44 1.02 -27.48	59.54 2.25 -1.33	59.48 1.68 -13.81	47.79 2.40 0.00	47.76 2.59 0.00	48.25 2.10 0.00	52.88 2.70 0.00	54.85 2.62 0.00	84.27 3.68 0.00	82.25 2.92 0.00	101.83 3.57 -3.28	107.95 0.94 -83.17	128.75 1.07 -102.04	82.56 1.27 -50.87	87.27 1.26 -58.73	83.73 1.56 -44.81	65.49 1.08 -31.75
CANDIGU_WT_PWR 323617	48.54 -1.71 -15.82	11.06 0.67 -21.27	2.32 1.50 -25.46	7.76 1.13 -27.08	6.40 0.83 -19.23	8.56 0.16 -11.01	6.66 -0.15 -3.90	-21.31 -1.60 51.65	-25.75 -2.90 78.81	-24.76 -2.41 66.34	-29.58 -2.60 72.37	-26.91 -2.43 69.66	-33.86 -2.56 77.46	-31.98 -2.85 79.30	-24.35 -3.03 73.54	-7.03 -4.82 82.80	-11.39 -4.63 86.10	-8.44 -5.89 97.52	-29.67 -1.29 52.20	-29.88 -1.41 54.11	-26.84 -1.80 55.46	-6.07 -1.67 31.68	-6.00 -2.15 41.21	10.79 -2.00 19.87
CARR STREET_E_SYR 24060	41.22 -0.65 -7.45	-0.66 0.21 -10.01	-12.23 0.44 -11.98	-7.38 0.32 -12.74	-4.39 0.22 -9.05	3.22 0.04 -5.79	11.21 -0.05 -8.36	34.53 -0.51 -3.11	55.02 -1.09 -0.15	44.03 -0.81 -0.85	44.55 -0.84 0.00	44.37 -0.80 0.00	45.27 -0.89 0.00	49.22 -0.96 0.00	51.18 -1.05 0.00	78.93 -1.65 0.00	77.77 -1.56 0.00	93.53 -1.82 -0.37	32.87 -0.33 -9.38	37.02 -0.35 -11.73	37.21 -0.48 -7.27	33.85 -0.51 -7.08	41.77 -0.73 -5.14	35.58 -0.65 -3.57
CARTHAGE___PAPER 23857	40.11 1.28 -4.41	-5.31 -0.36 -5.92	-17.99 -0.45 -7.09	-13.44 -0.54 -7.54	-8.68 -0.37 -5.36	0.74 -0.08 -3.43	7.98 0.13 -4.95	34.78 1.00 -1.84	56.70 0.65 -0.09	44.38 -0.11 -0.51	45.58 0.19 0.00	45.82 0.65 0.00	45.93 -0.23 0.00	49.58 -0.60 0.00	51.89 -0.34 0.00	81.68 1.09 0.00	81.08 1.75 0.00	97.84 2.64 -0.22	30.23 0.85 -5.55	35.61 1.05 -8.92	49.29 1.24 -17.63	36.62 1.21 -8.13	42.28 1.15 -3.77	35.47 0.69 -2.11
CASSADAGA_WT_PWR 323784	45.22 -1.95 -12.74	6.97 0.71 -17.13	-3.03 1.11 -20.50	2.19 0.83 -21.81	2.38 0.56 -15.48	7.34 0.10 -9.84	16.48 -0.13 -13.70	33.67 -1.07 -2.81	52.86 0.05 3.15	44.40 0.52 0.11	42.37 0.10 3.12	42.41 0.24 2.99	42.82 -0.02 3.32	46.55 -0.23 3.40	48.38 -0.69 3.15	75.53 -1.51 3.55	74.18 -1.46 3.69	89.00 -2.40 3.58	36.14 -0.67 -12.98	41.38 -0.62 -16.36	36.43 -0.93 -6.93	35.83 -0.84 -9.39	43.15 -0.65 -6.43	37.12 -0.49 -4.94
CE_DUNWOOD___DRP 24194	101.41 1.07 -65.91	77.41 -0.30 -88.58	80.79 -0.60 -106.03	91.92 -0.43 -112.79	66.13 -0.31 -80.10	48.54 -0.07 -51.22	76.86 0.12 -73.83	60.69 1.32 -27.44	59.92 2.63 -1.33	59.87 2.09 -13.79	47.57 2.18 0.00	47.24 2.06 0.00	48.04 1.89 0.00	52.20 2.01 0.00	54.32 2.10 0.00	83.68 3.10 0.00	82.05 2.72 0.00	101.86 3.62 -3.27	107.88 1.03 -83.02	128.56 1.06 -101.86	82.47 1.28 -50.78	87.08 1.18 -58.63	83.67 1.58 -44.72	65.54 1.29 -31.58
CE_MILLWOOD___DRP 24193	101.25 1.03 -65.79	77.26 -0.29 -88.43	80.62 -0.58 -105.84	91.73 -0.41 -112.59	65.99 -0.30 -79.95	48.46 -0.06 -51.13	76.72 0.12 -73.70	60.59 1.27 -27.38	59.81 2.52 -1.33	59.76 2.00 -13.77	47.48 2.09 0.00	47.14 1.97 0.00	47.95 1.79 0.00	52.10 1.92 0.00	54.21 1.99 0.00	83.54 2.96 0.00	81.94 2.61 0.00	101.74 3.49 -3.27	107.69 0.99 -82.87	128.34 1.02 -101.68	82.33 1.23 -50.69	86.93 1.14 -58.52	83.52 1.52 -44.64	65.43 1.24 -31.52
CE_NYC2_DRP 24202	101.71 1.24 -66.04	77.55 -0.34 -88.76	80.93 -0.67 -106.24	92.16 -0.41 -113.02	66.27 -0.33 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.94 1.51 -27.49	60.39 3.09 -1.33	60.27 2.46 -13.82	47.98 2.60 0.00	47.60 2.43 0.00	48.43 2.27 0.00	52.63 2.45 0.00	54.75 2.53 0.00	84.18 3.59 0.00	82.46 3.14 0.00	102.44 4.18 -3.28	108.22 1.21 -83.19	128.93 1.22 -102.06	82.76 1.46 -50.88	87.40 1.38 -58.74	84.08 1.90 -44.82	65.85 1.54 -31.64
CE_NYC_DRP 24195	101.60 1.14 -66.04	77.57 -0.31 -88.76	80.99 -0.61 -106.24	92.17 -0.39 -113.02	66.28 -0.31 -80.25	48.64 -0.07 -51.32	77.02 0.13 -73.98	60.83 1.40 -27.49	60.19 2.90 -1.33	60.13 2.32 -13.82	47.77 2.38 0.00	47.42 2.25 0.00	48.23 2.08 0.00	52.37 2.19 0.00	54.49 2.26 0.00	83.87 3.29 0.00	82.14 2.81 0.00	102.03 3.78 -3.28	108.11 1.09 -83.18	128.81 1.11 -102.06	82.64 1.34 -50.88	87.30 1.29 -58.74	83.96 1.79 -44.81	65.76 1.46 -31.64
CHAFFEE___LFGE 323603	45.40 -1.56 -12.53	6.30 0.34 -16.84	-4.09 0.40 -20.15	1.14 0.16 -21.44	1.67 0.11 -15.22	7.07 0.02 -9.66	16.11 -0.06 -13.27	33.31 -0.57 -1.94	51.05 -0.69 4.22	41.26 -0.22 2.52	40.74 -0.56 4.09	40.77 -0.47 3.93	41.14 -0.65 4.37	44.92 -0.80 4.47	46.73 -1.35 4.14	73.41 -2.51 4.67	72.11 -2.36 4.85	86.76 -3.30 4.92	34.62 -0.94 -11.72	39.66 -0.93 -14.95	35.03 -1.23 -5.84	34.76 -1.09 -8.57	41.99 -0.95 -5.58	36.40 -0.73 -4.46
CHATEAUG_35_KV_LOAD 355732	34.26 -0.16 0.00	-10.94 -0.07 0.00	-25.03 -0.40 0.00	-20.84 -0.39 0.00	-13.95 -0.29 0.00	-2.63 -0.02 0.00	2.89 -0.02 0.00	31.70 -0.24 0.00	55.53 -0.43 0.00	43.50 -0.49 0.00	44.73 -0.66 0.00	44.57 -0.60 0.00	45.73 -0.42 0.00	49.61 -0.57 0.00	51.39 -0.84 0.00	79.43 -1.16 0.00	78.63 -0.70 0.00	94.21 -0.76 0.00	23.41 -0.42 0.00	22.43 -0.37 2.84	11.25 -0.45 18.72	21.33 -0.26 5.69	35.86 -0.45 1.05	32.64 -0.37 -0.34
CHATEAUG_WT_PWR 323614	34.12 -0.31 0.00	-10.92 -0.04 0.00	-24.98 -0.35 0.00	-20.77 -0.32 0.00	-13.91 -0.25 0.00	-2.62 -0.01 0.00	2.87 -0.04 0.00	31.50 -0.43 0.00	55.27 -0.69 0.00	43.35 -0.64 0.00	44.59 -0.80 0.00	44.45 -0.72 0.00	45.58 -0.57 0.00	49.44 -0.75 0.00	51.18 -1.05 0.00	79.09 -1.50 0.00	78.17 -1.16 0.00	93.55 -1.43 0.00	23.25 -0.58 0.00	22.99 -0.57 2.08	10.38 -0.70 19.35	22.63 -0.48 4.17	35.83 -0.76 0.77	28.40 -0.64 3.63
CHAT_HIGH_FALL_HYD 323578	34.26 -0.16 0.00	-10.94 -0.07 0.00	-25.03 -0.40 0.00	-20.84 -0.39 0.00	-13.95 -0.29 0.00	-2.63 -0.02 0.00	2.89 -0.02 0.00	31.70 -0.24 0.00	55.53 -0.43 0.00	43.50 -0.49 0.00	44.73 -0.66 0.00	44.57 -0.60 0.00	45.73 -0.42 0.00	49.61 -0.57 0.00	51.39 -0.84 0.00	79.43 -1.16 0.00	78.63 -0.70 0.00	94.21 -0.76 0.00	23.41 -0.42 0.00	22.43 -0.37 2.84	11.25 -0.45 18.72	21.33 -0.26 5.69	35.86 -0.45 1.05	32.64 -0.37 -0.34
CHAUTAUQUA___LFGE 323629	45.16 -1.75 -12.48	6.45 0.54 -16.78	-3.81 0.74 -20.08	1.43 0.52 -21.36	1.86 0.35 -15.17	7.08 0.06 -9.62	15.99 -0.09 -13.18	32.85 -0.80 -1.71	50.98 -0.48 4.50	41.13 -0.09 2.77	40.54 -0.51 4.34	40.61 -0.39 4.17	40.91 -0.62 4.62	44.56 -0.89 4.74	46.44 -1.40 4.39	73.08 -2.57 4.94	71.76 -2.42 5.14	86.16 -3.56 5.25	34.30 -0.97 -11.44	39.33 -0.95 -14.64	34.73 -1.29 -5.59	34.53 -1.14 -8.39	41.70 -1.05 -5.39	36.17 -0.84 -4.35
CHERRYST_13_KV_LD 356241	101.69 1.23 -66.04	77.55 -0.34 -88.76	80.92 -0.68 -106.24	92.12 -0.44 -113.02	66.24 -0.35 -80.25	48.63 -0.08 -51.32	77.03 0.14 -73.98	60.93 1.51 -27.49	60.38 3.09 -1.33	60.28 2.48 -13.82	47.93 2.54 0.00	47.58 2.41 0.00	48.40 2.25 0.00	52.55 2.37 0.00	54.68 2.45 0.00	84.17 3.59 0.00	82.42 3.10 0.00	102.37 4.12 -3.28	108.18 1.16 -83.18	128.89 1.19 -102.06	82.73 1.44 -50.88	87.39 1.37 -58.74	84.07 1.90 -44.81	65.86 1.55 -31.64

CHESTROR_138KV_BK263 355645	95.83 0.79 -60.61	70.38 -0.22 -81.47	72.42 -0.44 -97.51	82.96 -0.32 -103.73	59.77 -0.23 -73.66	44.45 -0.05 -47.11	70.91 0.09 -67.92	58.18 1.00 -25.24	59.12 1.94 -1.22	58.05 1.48 -12.58	46.94 1.55 0.00	46.62 1.44 0.00	47.44 1.29 0.00	51.53 1.35 0.00	53.72 1.49 0.00	82.89 2.30 0.00	81.35 2.02 0.00	100.74 2.75 -3.01	100.99 0.80 -76.36	120.15 0.82 -93.68	78.11 0.98 -46.70	82.08 0.88 -53.92	79.67 1.18 -41.14	62.67 0.96 -29.04
CH_MIDHUDSON___DRP 24192	102.20 1.16 -66.62	78.34 -0.32 -89.54	81.87 -0.66 -107.17	93.07 -0.49 -114.01	66.96 -0.33 -80.96	49.10 -0.07 -51.77	77.66 0.12 -74.64	60.98 1.31 -27.74	59.90 2.60 -1.35	60.11 2.07 -14.05	47.53 2.14 0.00	47.23 2.06 0.00	48.04 1.88 0.00	52.19 2.00 0.00	54.32 2.09 0.00	83.76 3.18 0.00	82.20 2.88 0.00	102.08 3.80 -3.31	108.93 1.06 -84.05	129.87 1.10 -103.12	83.13 1.30 -51.40	87.81 1.18 -59.35	84.22 1.57 -45.28	65.94 1.30 -31.97
CH_MISC_IPPS 23765	101.20 1.30 -65.47	76.75 -0.37 -87.99	79.91 -0.77 -105.32	91.01 -0.58 -112.04	65.50 -0.40 -79.56	48.19 -0.09 -50.88	76.40 0.13 -73.36	60.68 1.48 -27.26	60.20 2.92 -1.32	60.15 2.32 -13.84	47.79 2.40 0.00	47.46 2.29 0.00	48.28 2.13 0.00	52.49 2.30 0.00	54.64 2.41 0.00	84.30 3.71 0.00	82.69 3.36 0.00	102.63 4.40 -3.25	107.58 1.21 -82.55	128.19 1.26 -101.28	82.41 1.50 -50.49	86.92 1.35 -58.29	83.62 1.79 -44.47	65.55 1.48 -31.40
CH_RES_BVR_FALLS 23983	34.13 -0.29 0.00	-10.83 0.04 0.00	-24.32 0.32 0.00	-20.15 0.30 0.00	-13.49 0.17 0.00	-2.58 0.03 0.00	2.88 -0.03 0.00	31.54 -0.39 0.00	55.30 -0.66 0.00	43.27 -0.72 0.00	44.64 -0.75 0.00	44.59 -0.58 0.00	45.56 -0.60 0.00	49.47 -0.71 0.00	51.38 -0.85 0.00	79.57 -1.02 0.00	78.36 -0.97 0.00	93.45 -1.53 0.00	23.37 -0.46 0.00	24.23 -0.49 0.92	23.62 -0.58 6.22	25.00 -0.43 1.84	36.39 -0.63 0.34	32.18 -0.48 0.00
CH_RES_NIAGARA 23895	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.90 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.53 -3.86 7.57	35.70 -2.70 5.59	35.12 -3.14 7.13	35.26 -3.06 6.86	35.29 -3.24 7.62	38.80 -3.58 7.80	40.70 -4.30 7.23	65.32 -6.86 8.14	64.00 -8.50 8.47	77.37 -2.31 9.10	28.81 -2.37 -7.30	33.21 -2.37 -9.93	29.71 -2.86 -2.15	30.39 -2.55 -5.66	37.15 -2.86 -2.65	33.16 -2.28 -2.78
CH_RES_SYRACUSE 23985	42.26 -0.33 -8.16	0.21 0.11 -10.97	-11.30 0.21 -13.13	-6.34 0.14 -13.97	-3.64 0.10 -9.92	3.75 0.01 -6.34	12.06 -0.01 -9.16	35.15 -0.19 -3.41	55.57 -0.56 -0.16	44.53 -0.40 -0.94	44.96 -0.42 0.00	44.79 -0.38 0.00	45.68 -0.48 0.00	49.66 -0.52 0.00	51.64 -0.59 0.00	79.68 -0.91 0.00	78.57 -0.76 0.00	94.65 -0.73 -0.40	34.06 -0.05 -10.28	38.42 -0.06 -12.83	38.04 -0.13 -7.75	34.77 -0.21 -7.69	42.66 -0.32 -5.62	36.26 -0.32 -3.91
CLINTON_WT_PWR 323605	34.12 -0.31 0.00	-10.92 -0.04 0.00	-24.98 -0.35 0.00	-20.77 -0.32 0.00	-13.91 -0.25 0.00	-2.62 -0.01 0.00	2.87 -0.04 0.00	31.50 -0.43 0.00	55.27 -0.69 0.00	43.35 -0.64 0.00	44.59 -0.80 0.00	44.45 -0.72 0.00	45.58 -0.57 0.00	49.44 -0.75 0.00	51.18 -1.05 0.00	79.09 -1.50 0.00	78.17 -1.16 0.00	93.55 -1.43 0.00	23.25 -0.58 0.00	22.99 -0.57 2.08	10.38 -0.70 19.35	22.63 -0.48 4.17	35.83 -0.76 0.77	28.40 -0.64 3.63
CLINTON___LFGE 323618	34.41 -0.02 0.00	-11.09 -0.22 0.00	-25.50 -0.87 0.00	-21.18 -0.73 0.00	-14.18 -0.52 0.00	-2.66 -0.06 0.00	2.89 -0.02 0.00	31.83 -0.10 0.00	55.87 -0.09 0.00	43.84 -0.15 0.00	44.94 -0.45 0.00	44.78 -0.39 0.00	45.88 -0.27 0.00	49.78 -0.40 0.00	51.35 -0.88 0.00	79.51 -1.08 0.00	78.91 -0.42 0.00	94.63 -0.35 0.00	23.44 -0.39 0.00	22.94 -0.36 2.34	17.64 -0.48 12.30	22.36 -0.24 4.68	35.97 -0.52 0.87	34.64 -0.43 -2.41
COBBLENY_34_KV_TB1 80064	45.41 -1.55 -12.53	6.30 0.34 -16.84	-4.09 0.40 -20.15	1.15 0.16 -21.44	1.67 0.11 -15.22	7.07 0.02 -9.66	16.12 -0.06 -13.27	33.31 -0.56 -1.94	51.02 -0.72 4.22	41.22 -0.25 2.52	40.68 -0.62 4.09	40.69 -0.55 3.93	41.09 -0.70 4.37	44.87 -0.84 4.47	46.66 -1.42 4.14	73.35 -2.58 4.67	72.05 -2.43 4.85	86.69 -3.36 4.92	34.60 -0.96 -11.72	39.65 -0.94 -14.95	35.04 -1.22 -5.84	34.75 -1.11 -8.57	41.97 -0.98 -5.58	36.38 -0.74 -4.46
COFFEEN___115KV_TB3 355620	40.43 1.10 -4.91	-4.56 -0.28 -6.59	-17.04 -0.30 -7.89	-12.45 -0.40 -8.39	-8.00 -0.30 -5.96	1.13 -0.07 -3.81	8.54 0.13 -5.51	35.02 1.03 -2.05	56.77 0.71 -0.10	44.49 -0.06 -0.56	45.58 0.19 0.00	45.68 0.51 0.00	45.85 -0.30 0.00	49.73 -0.45 0.00	51.88 -0.34 0.00	81.82 1.23 0.00	81.26 1.93 0.00	98.31 3.09 -0.24	31.00 0.99 -6.18	36.17 1.17 -9.36	47.55 1.35 -15.78	36.40 1.20 -7.92	42.47 1.12 -3.99	35.68 0.67 -2.35
COLDSPRG_115KV_BK1 355956	46.83 -0.75 -13.15	7.05 0.24 -17.68	-3.33 0.14 -21.16	2.05 -0.01 -22.51	2.32 0.00 -15.98	7.61 -0.01 -10.22	17.66 -0.01 -14.76	37.68 0.25 -5.49	57.61 1.38 -0.27	48.38 1.39 -3.00	46.48 1.09 0.00	46.46 1.29 0.00	47.31 1.16 0.00	51.31 1.13 0.00	52.89 0.66 0.00	81.20 0.61 0.00	79.82 0.49 0.00	95.61 -0.02 -0.65	40.38 -0.03 -16.58	46.03 0.04 -20.34	40.43 -0.13 -10.14	38.84 -0.15 -11.71	46.59 0.29 -8.93	39.26 0.29 -6.31
COLONIE_LFGE___ 323577	116.73 1.19 -81.11	97.80 -0.35 -109.01	105.10 -0.74 -130.48	117.76 -0.59 -138.81	84.53 -0.37 -98.56	60.35 -0.07 -63.03	94.11 0.11 -91.09	67.07 1.23 -33.90	59.92 2.32 -1.64	109.16 1.93 -63.24	47.31 1.92 0.00	46.98 1.81 0.00	47.86 1.71 0.00	52.00 1.82 0.00	54.21 1.99 0.00	83.74 3.16 0.00	82.43 3.11 0.00	102.91 3.91 -4.03	126.98 0.99 -102.16	152.04 1.05 -125.34	94.14 1.24 -62.48	100.54 1.11 -72.15	93.98 1.51 -55.11	72.93 1.35 -38.91
COOPERNY_115KV_TB1 80082	84.52 0.57 -49.52	55.54 -0.15 -66.56	54.73 -0.30 -79.67	64.09 -0.22 -84.75	46.36 -0.16 -60.18	35.84 -0.04 -38.49	58.48 0.07 -55.51	53.29 0.72 -20.64	58.34 1.38 -1.00	55.36 1.07 -10.31	46.52 1.13 0.00	46.22 1.04 0.00	47.08 0.92 0.00	51.14 0.96 0.00	53.28 1.06 0.00	82.20 1.62 0.00	80.71 1.38 0.00	99.32 1.89 -2.46	86.78 0.56 -62.39	102.78 0.59 -76.54	69.27 0.70 -38.16	71.96 0.63 -44.06	71.81 0.84 -33.61	57.07 0.68 -23.73
COPENHAGEN_WT_PWR 323753	39.88 0.41 -5.04	-4.16 -0.06 -6.77	-16.27 0.27 -8.11	-11.75 0.07 -8.62	-7.52 0.02 -6.12	1.29 -0.02 -3.92	8.63 0.06 -5.65	34.34 0.29 -2.11	55.48 -0.58 -0.10	43.55 -1.02 -0.58	44.57 -0.82 0.00	44.69 -0.48 0.00	44.89 -1.27 0.00	48.65 -1.52 0.00	50.84 -1.39 0.00	79.92 -0.67 0.00	79.26 -0.07 0.00	95.80 0.58 -0.25	30.53 0.36 -6.35	35.59 0.47 -9.47	46.22 0.51 -15.29	35.60 0.46 -7.86	41.58 0.17 -4.05	34.95 -0.13 -2.42
CORNELL_____ 23752	50.34 0.18 -15.74	10.26 -0.03 -21.16	0.59 -0.10 -25.32	6.38 -0.11 -26.94	5.39 -0.08 -19.13	9.66 -0.02 -12.29	21.24 0.04 -18.29	41.59 0.46 -9.19	60.46 0.62 -3.87	51.39 0.48 -6.92	49.11 0.47 -3.25	48.78 0.48 -3.13	50.10 0.47 -3.48	54.17 0.43 -3.56	55.93 0.40 -3.30	84.96 0.66 -3.72	83.95 0.76 -3.86	101.20 1.03 -5.19	47.32 0.43 -23.06	53.94 0.45 -27.85	46.03 0.45 -15.16	43.64 0.31 -16.05	50.78 0.40 -13.02	41.70 0.27 -8.78

CORONA V_69_KV_TB1 355595	101.82 1.36 -66.03	77.42 -0.46 -88.75	80.64 -0.94 -106.22	91.88 -0.67 -113.00	66.08 -0.51 -80.24	48.61 -0.10 -51.31	77.02 0.14 -73.97	60.93 1.51 -27.48	60.42 3.13 -1.33	60.28 2.47 -13.81	48.17 2.78 0.00	48.01 2.84 0.00	48.63 2.47 0.00	53.02 2.84 0.00	54.97 2.74 0.00	84.56 3.97 0.00	82.99 3.66 0.00	102.86 4.61 -3.28	108.27 1.27 -83.17	129.07 1.39 -102.04	83.03 1.74 -50.87	87.67 1.66 -58.73	84.33 2.17 -44.81	67.94 1.69 -33.59
CORTLAND_115KV_TB3 80093	47.46 0.05 -12.99	6.60 0.01 -17.46	-3.74 0.01 -20.89	1.76 -0.02 -22.23	2.11 -0.01 -15.78	7.48 -0.01 -10.09	17.50 0.02 -14.58	37.60 0.24 -5.42	56.55 0.32 -0.26	47.23 0.25 -2.98	45.63 0.25 0.00	45.48 0.31 0.00	46.39 0.23 0.00	50.36 0.18 0.00	52.39 0.16 0.00	80.87 0.28 0.00	79.66 0.34 0.00	96.06 0.44 -0.64	40.42 0.23 -16.36	46.14 0.25 -20.25	41.86 0.21 -11.23	39.33 0.13 -11.91	46.41 0.17 -8.88	38.95 0.06 -6.22
COXSACKIE__GT 23611	113.01 2.33 -76.26	90.94 -0.68 -102.50	96.55 -1.49 -122.67	108.82 -1.24 -130.50	78.18 -0.83 -92.67	56.49 -0.16 -59.26	88.80 0.21 -85.69	66.15 2.31 -31.90	61.76 4.26 -1.55	75.90 3.38 -28.53	48.62 3.23 0.00	48.30 3.13 0.00	49.23 3.07 0.00	53.87 3.69 0.00	56.45 4.22 0.00	87.38 6.79 0.00	86.30 6.98 0.00	107.65 8.89 -3.78	122.08 2.22 -96.04	145.77 2.30 -117.83	91.80 2.64 -58.74	97.39 2.29 -67.82	92.17 3.03 -51.78	71.79 2.57 -36.56
CPV_VALLEY__CC1 323721	91.66 0.55 -56.69	65.17 -0.14 -76.19	66.27 -0.28 -91.19	76.38 -0.18 -97.01	55.09 -0.14 -68.89	41.41 -0.04 -44.05	66.50 0.07 -63.52	56.31 0.76 -23.61	58.58 1.48 -1.15	56.87 1.15 -11.73	46.61 1.22 0.00	46.31 1.13 0.00	47.15 0.99 0.00	51.20 1.03 0.00	53.33 1.11 0.00	82.25 1.67 0.00	80.72 1.39 0.00	99.76 1.97 -2.81	95.83 0.60 -71.40	113.86 0.61 -87.61	74.81 0.72 -43.67	78.36 0.66 -50.43	76.71 0.88 -38.47	60.53 0.71 -27.16
CPV_VALLEY__CC2 323722	91.66 0.55 -56.69	65.17 -0.14 -76.19	66.27 -0.28 -91.19	76.38 -0.18 -97.01	55.09 -0.14 -68.89	41.41 -0.04 -44.05	66.50 0.07 -63.52	56.31 0.76 -23.61	58.58 1.48 -1.15	56.87 1.15 -11.73	46.61 1.22 0.00	46.31 1.13 0.00	47.15 0.99 0.00	51.20 1.03 0.00	53.33 1.11 0.00	82.25 1.67 0.00	80.72 1.39 0.00	99.76 1.97 -2.81	95.83 0.60 -71.40	113.86 0.61 -87.61	74.81 0.72 -43.67	78.36 0.66 -50.43	76.71 0.88 -38.47	60.53 0.71 -27.16
CRESCENT__HYD 24018	116.73 1.19 -81.11	97.80 -0.35 -109.01	105.10 -0.74 -130.48	117.76 -0.59 -138.81	84.53 -0.37 -98.56	60.35 -0.07 -63.03	94.11 0.11 -91.09	67.07 1.23 -33.90	59.92 2.32 -1.64	109.16 1.93 -63.24	47.31 1.92 0.00	46.98 1.81 0.00	47.86 1.71 0.00	52.00 1.82 0.00	54.21 1.99 0.00	83.74 3.16 0.00	82.43 3.11 0.00	102.91 3.91 -4.03	126.98 0.99 -102.16	152.04 1.05 -125.34	94.14 1.24 -62.48	100.54 1.11 -72.15	93.98 1.51 -55.11	72.93 1.35 -38.91
CRICKET__VALLEY_CC1 323756	104.32 0.88 -69.02	81.66 -0.23 -92.76	85.94 -0.44 -111.03	97.35 -0.32 -118.11	70.03 -0.19 -83.88	50.99 -0.04 -53.64	80.12 0.09 -77.13	61.61 1.06 -28.62	59.55 2.20 -1.39	61.56 1.78 -15.79	47.22 1.83 0.00	46.89 1.72 0.00	47.65 1.49 0.00	51.65 1.47 0.00	53.64 1.41 0.00	82.71 2.13 0.00	81.33 2.00 0.00	101.10 2.70 -3.43	111.51 0.77 -86.91	133.07 0.79 -106.63	84.50 0.93 -53.16	89.48 0.84 -61.37	85.27 1.10 -46.80	66.66 0.95 -33.04
CRICKET__VALLEY_CC2 323757	104.32 0.88 -69.02	81.66 -0.23 -92.76	85.94 -0.44 -111.03	97.35 -0.32 -118.11	70.03 -0.19 -83.88	50.99 -0.04 -53.64	80.12 0.09 -77.13	61.61 1.06 -28.62	59.55 2.20 -1.39	61.56 1.78 -15.79	47.22 1.83 0.00	46.89 1.72 0.00	47.65 1.49 0.00	51.65 1.47 0.00	53.64 1.41 0.00	82.71 2.13 0.00	81.33 2.00 0.00	101.10 2.70 -3.43	111.51 0.77 -86.91	133.07 0.79 -106.63	84.50 0.93 -53.16	89.48 0.84 -61.37	85.27 1.10 -46.80	66.66 0.95 -33.04
CRICKET__VALLEY_CC3 323758	104.32 0.88 -69.02	81.66 -0.23 -92.76	85.94 -0.44 -111.03	97.35 -0.32 -118.11	70.03 -0.19 -83.88	50.99 -0.04 -53.64	80.12 0.09 -77.13	61.61 1.06 -28.62	59.55 2.20 -1.39	61.56 1.78 -15.79	47.22 1.83 0.00	46.89 1.72 0.00	47.65 1.49 0.00	51.65 1.47 0.00	53.64 1.41 0.00	82.71 2.13 0.00	81.33 2.00 0.00	101.10 2.70 -3.43	111.51 0.77 -86.91	133.07 0.79 -106.63	84.50 0.93 -53.16	89.48 0.84 -61.37	85.27 1.10 -46.80	66.66 0.95 -33.04
CRUCIBLE_METL_DRP 24180	42.26 -0.33 -8.16	0.21 0.11 -10.97	-11.30 0.21 -13.13	-6.34 0.14 -13.97	-3.64 0.10 -9.92	3.75 0.01 -6.34	12.06 -0.01 -9.16	35.16 -0.19 -3.41	55.57 -0.56 -0.16	44.53 -0.40 -0.94	44.96 -0.43 0.00	44.78 -0.40 0.00	45.68 -0.48 0.00	49.65 -0.53 0.00	51.63 -0.59 0.00	79.67 -0.91 0.00	78.57 -0.76 0.00	94.64 -0.74 -0.40	34.06 -0.05 -10.28	38.42 -0.06 -12.83	38.04 -0.13 -7.75	34.77 -0.20 -7.69	42.66 -0.33 -5.62	36.26 -0.32 -3.91
DAHOWA__HYDRO 323763	118.70 2.31 -81.97	98.62 -0.68 -110.17	105.73 -1.50 -131.87	118.61 -1.22 -140.28	85.16 -0.79 -99.61	60.94 -0.16 -63.70	95.19 0.21 -92.07	68.66 2.46 -34.26	62.08 4.46 -1.66	116.72 3.47 -69.25	48.62 3.23 0.00	48.47 3.30 0.00	49.33 3.17 0.00	53.62 3.44 0.00	55.99 3.76 0.00	86.76 6.18 0.00	85.58 6.25 0.00	106.85 7.80 -4.07	129.03 1.90 -103.31	154.44 2.05 -126.75	95.95 2.34 -63.18	102.33 2.09 -72.96	95.82 2.73 -55.72	74.44 2.44 -39.34
DANC__LFGE 323619	40.28 0.08 -5.77	-3.10 0.02 -7.75	-15.06 0.30 -9.28	-10.44 0.14 -9.87	-6.57 0.08 -7.01	1.88 0.00 -4.48	9.41 0.03 -6.47	34.40 0.06 -2.41	55.40 -0.68 -0.12	43.76 -0.89 -0.66	44.63 -0.76 0.00	44.63 -0.54 0.00	45.09 -1.07 0.00	48.99 -1.20 0.00	51.10 -1.12 0.00	79.85 -0.74 0.00	79.08 -0.25 0.00	95.44 0.18 -0.29	31.33 0.23 -7.27	36.07 0.31 -10.12	43.31 0.31 -12.59	35.06 0.24 -7.54	41.73 0.01 -4.36	35.24 -0.19 -2.77
DANSKAMMER__1 23586	101.20 1.30 -65.47	76.75 -0.37 -87.99	79.91 -0.77 -105.32	91.01 -0.58 -112.04	65.50 -0.40 -79.56	48.19 -0.09 -50.88	76.40 0.13 -73.36	60.68 1.48 -27.26	60.20 2.92 -1.32	60.15 2.32 -13.84	47.79 2.40 0.00	47.46 2.29 0.00	48.28 2.13 0.00	52.49 2.30 0.00	54.64 2.41 0.00	84.30 3.71 0.00	82.69 3.36 0.00	102.63 4.40 -3.25	107.58 1.21 -82.55	128.19 1.26 -101.28	82.41 1.50 -50.49	86.92 1.35 -58.29	83.62 1.79 -44.47	65.55 1.48 -31.40
DANSKAMMER__2 23589	101.20 1.30 -65.47	76.75 -0.37 -87.99	79.91 -0.77 -105.32	91.01 -0.58 -112.04	65.50 -0.40 -79.56	48.19 -0.09 -50.88	76.40 0.13 -73.36	60.68 1.48 -27.26	60.20 2.92 -1.32	60.15 2.32 -13.84	47.79 2.40 0.00	47.46 2.29 0.00	48.28 2.13 0.00	52.49 2.30 0.00	54.64 2.41 0.00	84.30 3.71 0.00	82.69 3.36 0.00	102.63 4.40 -3.25	107.58 1.21 -82.55	128.19 1.26 -101.28	82.41 1.50 -50.49	86.92 1.35 -58.29	83.62 1.79 -44.47	65.55 1.48 -31.40
DANSKAMMER__3 23590	101.20 1.30 -65.47	76.75 -0.37 -87.99	79.91 -0.77 -105.32	91.01 -0.58 -112.04	65.50 -0.40 -79.56	48.19 -0.09 -50.88	76.40 0.13 -73.36	60.68 1.48 -27.26	60.20 2.92 -1.32	60.15 2.32 -13.84	47.79 2.40 0.00	47.46 2.29 0.00	48.28 2.13 0.00	52.49 2.30 0.00	54.64 2.41 0.00	84.30 3.71 0.00	82.69 3.36 0.00	102.63 4.40 -3.25	107.58 1.21 -82.55	128.19 1.26 -101.28	82.41 1.50 -50.49	86.92 1.35 -58.29	83.62 1.79 -44.47	65.55 1.48 -31.40

DANSKAMMER___4 23591	101.20 1.30 -65.47	76.75 -0.37 -87.99	79.91 -0.77 -105.32	91.01 -0.58 -112.04	65.50 -0.40 -79.56	48.19 -0.09 -50.88	76.40 0.13 -73.36	60.68 1.48 -27.26	60.20 2.92 -1.32	60.15 2.32 -13.84	47.79 2.40 0.00	47.46 2.29 0.00	48.28 2.13 0.00	52.49 2.30 0.00	54.64 2.41 0.00	84.30 3.71 0.00	82.69 3.36 0.00	102.63 4.40 -3.25	107.58 1.21 -82.55	128.19 1.26 -101.28	82.41 1.50 -50.49	86.92 1.35 -58.29	83.62 1.79 -44.47	65.55 1.48 -31.40
DANSKAMMER___DIESEL 23592	101.20 1.30 -65.47	76.75 -0.37 -87.99	79.91 -0.77 -105.32	91.01 -0.58 -112.04	65.50 -0.40 -79.56	48.19 -0.09 -50.88	76.40 0.13 -73.36	60.68 1.48 -27.26	60.21 2.92 -1.32	60.15 2.32 -13.84	47.79 2.41 0.00	47.47 2.29 0.00	48.28 2.13 0.00	52.49 2.31 0.00	54.65 2.43 0.00	84.33 3.74 0.00	82.69 3.37 0.00	102.62 4.39 -3.25	107.59 1.21 -82.55	128.19 1.26 -101.28	82.41 1.51 -50.49	86.92 1.35 -58.29	83.62 1.79 -44.47	65.55 1.48 -31.40
DARBY___SOLAR 323810	118.47 2.15 -81.89	98.56 -0.63 -110.06	105.71 -1.39 -131.74	118.56 -1.14 -140.14	85.11 -0.74 -99.51	60.88 -0.14 -63.64	95.08 0.20 -91.97	68.44 2.27 -34.23	61.72 4.11 -1.66	116.03 3.22 -68.82	48.39 3.00 0.00	48.21 3.04 0.00	49.07 2.92 0.00	53.36 3.18 0.00	55.70 3.47 0.00	86.30 5.71 0.00	85.07 5.75 0.00	106.24 7.19 -4.07	128.79 1.75 -103.20	154.16 1.89 -126.62	95.71 2.17 -63.12	102.09 1.93 -72.89	95.57 2.54 -55.67	74.23 2.26 -39.30
DASHVILLE___HYD 23610	102.83 1.08 -67.32	79.32 -0.29 -90.48	83.07 -0.59 -108.30	94.32 -0.44 -115.21	67.85 -0.30 -81.81	49.65 -0.06 -52.32	78.52 0.10 -75.51	61.17 1.16 -28.08	59.78 2.46 -1.36	62.57 1.87 -16.70	47.42 2.03 0.00	47.12 1.95 0.00	47.93 1.78 0.00	52.16 1.98 0.00	54.31 2.09 0.00	83.78 3.20 0.00	82.20 2.87 0.00	102.07 3.76 -3.34	109.63 0.97 -84.84	130.73 1.00 -104.09	83.51 1.20 -51.89	88.26 1.08 -59.91	84.52 1.45 -45.72	66.11 1.17 -32.28
DEERFIELD_69_KV_DEERFIELD LD 355887	102.06 1.60 -66.03	77.13 -0.74 -88.75	80.00 -1.58 -106.22	91.38 -1.17 -113.00	65.81 -0.77 -80.24	48.63 -0.08 -51.31	76.96 0.09 -73.97	60.15 0.73 -27.48	59.17 1.88 -1.33	59.35 1.55 -13.81	47.89 2.50 0.00	47.97 2.80 0.00	48.45 2.30 0.00	53.16 2.99 0.00	55.42 3.20 0.00	85.28 4.69 0.00	83.18 3.86 0.00	102.73 4.48 -3.28	107.79 0.79 -83.17	128.57 0.88 -102.04	82.34 1.04 -50.87	87.05 1.04 -58.73	83.41 1.24 -44.81	65.22 0.81 -31.75
DELAWARE___LFGE 323621	63.95 0.78 -28.75	27.56 -0.20 -38.64	21.16 -0.44 -46.24	28.39 -0.36 -49.19	21.02 -0.25 -34.93	19.68 -0.05 -22.34	35.24 0.07 -32.26	44.73 0.79 -12.00	58.00 1.46 -0.58	57.13 1.14 -12.00	46.59 1.20 0.00	46.28 1.11 0.00	47.22 1.07 0.00	51.30 1.12 0.00	53.42 1.20 0.00	82.36 1.78 0.00	80.89 1.56 0.00	98.44 2.03 -1.43	60.62 0.59 -36.20	70.67 0.61 -44.42	53.29 0.73 -22.14	53.47 0.63 -25.56	57.74 0.87 -19.51	47.14 0.70 -13.78
DERFIELD_115KV_TB7 355931	35.75 0.24 -1.09	-9.47 -0.06 -1.46	-22.97 -0.08 -1.75	-18.63 -0.04 -1.86	-12.35 -0.01 -1.32	-1.77 -0.01 -0.84	4.14 0.01 -1.22	32.53 0.14 -0.45	56.26 0.28 -0.02	44.29 0.18 -0.12	45.61 0.22 0.00	45.38 0.21 0.00	46.29 0.13 0.00	50.33 0.15 0.00	52.43 0.20 0.00	80.92 0.34 0.00	79.60 0.27 0.00	95.44 0.41 -0.05	25.33 0.14 -1.37	27.45 0.13 -1.68	31.41 0.15 -0.83	28.38 0.14 -0.97	38.29 0.19 -0.74	33.34 0.16 -0.52
DOGLEVILLE___HYD 23807	35.98 0.47 -1.09	-9.53 -0.12 -1.46	-23.14 -0.25 -1.75	-18.65 -0.06 -1.86	-12.33 0.02 -1.32	-1.77 0.00 -0.84	4.18 0.06 -1.22	32.89 0.50 -0.45	56.91 0.93 -0.02	44.75 0.63 -0.12	45.75 0.36 0.00	45.11 -0.06 0.00	46.13 -0.02 0.00	50.26 0.08 0.00	52.50 0.28 0.00	81.15 0.57 0.00	79.89 0.56 0.00	96.30 1.27 -0.05	25.61 0.41 -1.37	27.76 0.44 -1.68	31.72 0.46 -0.83	28.65 0.41 -0.97	38.59 0.49 -0.74	33.53 0.35 -0.52
DUNKIRK___115KV_TB_200 55889	45.17 -1.71 -12.46	6.40 0.52 -16.74	-3.90 0.69 -20.04	1.34 0.47 -21.32	1.80 0.32 -15.14	7.05 0.06 -9.60	15.94 -0.09 -13.13	32.79 -0.75 -1.61	50.79 -0.54 4.63	40.94 -0.17 2.89	40.33 -0.60 4.46	40.40 -0.49 4.28	40.72 -0.68 4.75	44.38 -0.94 4.86	46.25 -1.46 4.51	72.85 -2.65 5.08	71.57 -2.48 5.28	85.88 -3.69 5.41	34.13 -1.00 -11.29	39.15 -0.97 -14.47	34.60 -1.29 -5.46	34.42 -1.15 -8.29	41.57 -1.08 -5.28	36.10 -0.86 -4.30
DUNKIRK___1 23563	45.17 -1.71 -12.46	6.40 0.52 -16.74	-3.90 0.69 -20.04	1.34 0.47 -21.32	1.80 0.32 -15.14	7.05 0.06 -9.60	15.94 -0.09 -13.13	32.79 -0.75 -1.61	50.79 -0.54 4.63	40.94 -0.17 2.89	40.33 -0.60 4.46	40.40 -0.49 4.28	40.72 -0.68 4.75	44.38 -0.94 4.86	46.25 -1.46 4.51	72.85 -2.65 5.08	71.57 -2.48 5.28	85.88 -3.69 5.41	34.13 -1.00 -11.29	39.15 -0.97 -14.47	34.60 -1.29 -5.46	34.42 -1.15 -8.29	41.57 -1.08 -5.28	36.10 -0.86 -4.30
DUNKIRK___2 23564	45.17 -1.71 -12.46	6.40 0.52 -16.74	-3.90 0.69 -20.04	1.34 0.47 -21.32	1.80 0.32 -15.14	7.05 0.06 -9.60	15.94 -0.09 -13.13	32.79 -0.75 -1.61	50.79 -0.54 4.63	40.94 -0.17 2.89	40.33 -0.60 4.46	40.40 -0.49 4.28	40.72 -0.68 4.75	44.38 -0.94 4.86	46.25 -1.46 4.51	72.85 -2.65 5.08	71.57 -2.48 5.28	85.88 -3.69 5.41	34.13 -1.00 -11.29	39.15 -0.97 -14.47	34.60 -1.29 -5.46	34.42 -1.15 -8.29	41.57 -1.08 -5.28	36.10 -0.86 -4.30
DUNKIRK___3 23565	45.08 -1.74 -12.39	6.28 0.49 -16.65	-4.04 0.66 -19.93	1.18 0.43 -21.21	1.69 0.29 -15.06	6.99 0.05 -9.54	15.78 -0.09 -12.96	32.32 -0.82 -1.20	49.96 -0.86 5.14	40.21 -0.43 3.35	39.63 -0.83 4.93	39.73 -0.71 4.73	40.02 -0.89 5.24	43.68 -1.13 5.37	45.58 -1.67 4.98	72.01 -2.97 5.60	70.69 -2.81 5.83	84.93 -4.01 6.04	33.51 -1.08 -10.76	38.45 -1.07 -13.88	34.01 -1.40 -4.99	33.98 -1.25 -7.95	41.08 -1.19 -4.91	35.79 -0.97 -4.09
DUNKIRK___4 23566	45.08 -1.74 -12.39	6.28 0.49 -16.65	-4.04 0.66 -19.93	1.18 0.43 -21.21	1.69 0.29 -15.06	6.99 0.05 -9.54	15.78 -0.09 -12.96	32.32 -0.82 -1.20	49.96 -0.86 5.14	40.21 -0.43 3.35	39.63 -0.83 4.93	39.73 -0.71 4.73	40.02 -0.89 5.24	43.68 -1.13 5.37	45.58 -1.67 4.98	72.01 -2.97 5.60	70.69 -2.81 5.83	84.93 -4.01 6.04	33.51 -1.08 -10.76	38.45 -1.07 -13.88	34.01 -1.40 -4.99	33.98 -1.25 -7.95	41.08 -1.19 -4.91	35.79 -0.97 -4.09
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	101.59 1.11 -66.05	77.59 -0.31 -88.78	80.99 -0.63 -106.26	92.15 -0.44 -113.04	66.28 -0.33 -80.27	48.65 -0.07 -51.33	77.02 0.12 -73.99	60.79 1.36 -27.50	60.04 2.74 -1.33	59.99 2.18 -13.82	47.67 2.28 0.00	47.32 2.15 0.00	48.13 1.98 0.00	52.30 2.12 0.00	54.41 2.19 0.00	83.80 3.22 0.00	82.18 2.85 0.00	102.03 3.78 -3.28	108.10 1.07 -83.20	128.82 1.10 -102.08	82.63 1.32 -50.89	87.26 1.23 -58.75	83.83 1.65 -44.82	65.65 1.34 -31.65
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	98.83 1.03 -63.37	74.02 -0.29 -85.17	76.72 -0.59 -101.94	87.57 -0.43 -108.45	63.04 -0.31 -77.01	46.57 -0.07 -49.25	74.03 0.11 -71.01	59.56 1.23 -26.39	59.70 2.46 -1.28	59.45 2.00 -13.46	47.47 2.08 0.00	47.13 1.96 0.00	47.93 1.78 0.00	52.10 1.91 0.00	54.27 2.05 0.00	83.78 3.20 0.00	82.02 2.70 0.00	101.64 3.51 -3.15	104.69 0.99 -79.87	124.67 1.03 -97.99	80.49 1.23 -48.85	84.78 1.10 -56.40	81.85 1.46 -43.03	64.24 1.20 -30.38

E179THST_138_KV_TB4_REV_LBMP_J 345001	101.65 1.18 -66.04	77.57 -0.33 -88.76	80.96 -0.65 -106.24	92.19 -0.38 -113.02	66.28 -0.32 -80.26	48.63 -0.08 -51.33	77.01 0.12 -73.98	60.80 1.38 -27.49	60.17 2.88 -1.33	60.07 2.26 -13.82	47.80 2.41 0.00	47.43 2.26 0.00	48.24 2.09 0.00	52.43 2.25 0.00	54.55 2.32 0.00	83.84 3.25 0.00	82.13 2.80 0.00	102.06 3.81 -3.28	108.15 1.13 -83.19	128.86 1.15 -102.06	82.68 1.38 -50.88	87.34 1.32 -58.74	84.06 1.89 -44.82	65.84 1.53 -31.64
E179THST_13_KV_LOAD 356214	101.80 1.33 -66.04	77.52 -0.37 -88.76	80.86 -0.74 -106.24	92.12 -0.45 -113.02	66.24 -0.36 -80.26	48.63 -0.09 -51.33	77.02 0.13 -73.98	60.94 1.51 -27.49	60.40 3.11 -1.33	60.28 2.47 -13.82	47.99 2.60 0.00	47.62 2.45 0.00	48.46 2.30 0.00	52.67 2.49 0.00	54.78 2.55 0.00	84.20 3.62 0.00	82.48 3.15 0.00	102.49 4.24 -3.28	108.26 1.24 -83.19	128.98 1.27 -102.06	82.82 1.52 -50.88	87.47 1.45 -58.74	84.25 2.07 -44.82	65.99 1.68 -31.64
EAST HAMPTON___GT 23717	102.41 1.96 -66.03	77.03 -0.85 -88.75	79.77 -1.81 -106.22	91.17 -1.38 -113.00	65.76 -0.83 -80.24	48.65 -0.05 -51.31	76.90 0.03 -73.97	59.52 0.09 -27.48	58.25 0.96 -1.33	58.87 1.06 -13.81	47.64 2.25 0.00	47.89 2.72 0.00	48.44 2.29 0.00	53.20 3.02 0.00	55.76 3.54 0.00	85.95 5.37 0.00	83.91 4.58 0.00	103.20 4.95 -3.28	107.39 0.39 -83.17	128.10 0.41 -102.04	81.78 0.49 -50.87	86.54 0.54 -58.73	82.69 0.52 -44.81	64.57 0.16 -31.75
EAST RIVER___6 23660	101.60 1.14 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.32 -80.25	48.64 -0.08 -51.32	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.13 2.33 -13.82	47.78 2.39 0.00	47.43 2.26 0.00	48.24 2.08 0.00	52.39 2.20 0.00	54.49 2.26 0.00	83.88 3.29 0.00	82.13 2.80 0.00	102.02 3.76 -3.28	108.11 1.10 -83.18	128.81 1.10 -102.06	82.65 1.35 -50.88	87.31 1.30 -58.74	83.99 1.82 -44.81	65.79 1.49 -31.64
EAST RIVER___7 23524	101.60 1.14 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.32 -80.25	48.64 -0.08 -51.32	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.13 2.33 -13.82	47.78 2.39 0.00	47.43 2.26 0.00	48.24 2.08 0.00	52.39 2.20 0.00	54.49 2.26 0.00	83.88 3.29 0.00	82.13 2.80 0.00	102.02 3.76 -3.28	108.11 1.10 -83.18	128.81 1.10 -102.06	82.65 1.35 -50.88	87.31 1.30 -58.74	83.99 1.82 -44.81	65.79 1.49 -31.64
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	101.41 1.07 -65.91	77.41 -0.30 -88.58	80.79 -0.60 -106.03	91.92 -0.43 -112.79	66.13 -0.31 -80.10	48.54 -0.07 -51.22	76.86 0.12 -73.83	60.69 1.32 -27.44	59.92 2.63 -1.33	59.87 2.09 -13.79	47.57 2.18 0.00	47.24 2.06 0.00	48.04 1.89 0.00	52.20 2.01 0.00	54.32 2.10 0.00	83.68 3.10 0.00	82.05 2.72 0.00	101.86 3.62 -3.27	107.88 1.03 -83.02	128.56 1.06 -101.86	82.47 1.28 -50.78	87.08 1.18 -58.63	83.67 1.58 -44.72	65.54 1.29 -31.58
EAST_HAMPTON___DIESEL 23722	102.41 1.96 -66.03	77.03 -0.85 -88.75	79.77 -1.82 -106.22	91.17 -1.38 -113.00	65.76 -0.82 -80.24	48.66 -0.05 -51.31	76.89 0.02 -73.97	59.40 -0.02 -27.48	58.05 0.76 -1.33	58.76 0.96 -13.81	47.56 2.17 0.00	47.83 2.66 0.00	48.38 2.23 0.00	53.15 2.97 0.00	55.75 3.52 0.00	85.92 5.34 0.00	83.90 4.57 0.00	103.13 4.87 -3.28	107.30 0.30 -83.17	128.01 0.32 -102.04	81.68 0.39 -50.87	86.45 0.44 -58.73	82.55 0.38 -44.81	64.46 0.05 -31.75
EAST_POINT___SOLAR 323840	126.69 2.07 -90.20	109.71 -0.65 -121.22	118.97 -1.48 -145.10	132.71 -1.20 -154.35	95.14 -0.81 -109.60	67.31 -0.17 -70.09	104.48 0.22 -101.35	71.86 2.19 -37.73	61.32 3.54 -1.83	117.64 2.46 -71.19	47.79 2.40 0.00	46.65 1.48 0.00	47.99 1.83 0.00	52.74 2.56 0.00	55.09 2.86 0.00	85.18 4.59 0.00	84.19 4.86 0.00	105.98 6.52 -4.48	139.23 1.76 -113.64	166.91 1.85 -139.42	102.11 2.19 -69.50	109.41 1.88 -80.25	101.06 2.42 -61.28	77.92 2.00 -43.26
EAST_PULASKI___ESR 323781	40.90 -0.05 -6.52	-2.08 0.03 -8.77	-13.95 0.19 -10.49	-9.21 0.08 -11.16	-5.68 0.05 -7.93	2.46 0.00 -5.07	10.25 0.02 -7.32	34.71 0.05 -2.72	55.66 -0.43 -0.13	44.25 -0.49 -0.75	44.98 -0.41 0.00	44.89 -0.28 0.00	45.57 -0.59 0.00	49.63 -0.55 0.00	51.68 -0.55 0.00	80.29 -0.30 0.00	79.38 0.05 0.00	95.68 0.39 -0.32	32.31 0.27 -8.22	36.79 0.32 -10.82	40.74 0.31 -10.01	34.76 0.20 -7.28	42.11 0.05 -4.70	35.72 -0.07 -3.13
EAST_RIVER___1 323558	101.60 1.14 -66.04	77.58 -0.31 -88.76	80.99 -0.61 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.25	48.64 -0.08 -51.32	77.02 0.13 -73.98	60.83 1.40 -27.49	60.19 2.90 -1.33	60.13 2.32 -13.82	47.77 2.38 0.00	47.41 2.24 0.00	48.22 2.06 0.00	52.36 2.18 0.00	54.47 2.24 0.00	83.87 3.28 0.00	82.12 2.80 0.00	102.01 3.75 -3.28	108.11 1.09 -83.18	128.81 1.11 -102.06	82.64 1.34 -50.88	87.30 1.29 -58.74	83.96 1.79 -44.81	65.76 1.46 -31.64
EAST_RIVER___2 323559	101.60 1.14 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.32 -80.25	48.64 -0.08 -51.32	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.13 2.33 -13.82	47.78 2.39 0.00	47.43 2.26 0.00	48.24 2.08 0.00	52.39 2.20 0.00	54.49 2.26 0.00	83.88 3.29 0.00	82.13 2.80 0.00	102.02 3.76 -3.28	108.11 1.10 -83.18	128.81 1.10 -102.06	82.65 1.35 -50.88	87.31 1.30 -58.74	83.99 1.82 -44.81	65.79 1.49 -31.64
EAST___DELAWARE_HYD 23607	95.99 1.83 -59.74	68.89 -0.54 -80.30	70.30 -1.17 -96.10	80.85 -0.93 -102.24	58.29 -0.65 -72.60	43.69 -0.13 -46.43	70.06 0.19 -66.97	58.84 2.01 -24.90	60.92 3.76 -1.21	60.11 2.93 -13.19	48.40 3.01 0.00	48.07 2.90 0.00	48.82 2.66 0.00	53.05 2.87 0.00	55.40 3.18 0.00	85.59 5.00 0.00	84.04 4.71 0.00	104.03 6.09 -2.97	100.73 1.62 -75.28	119.71 1.70 -92.36	78.46 1.99 -46.04	82.20 1.76 -53.16	80.28 2.35 -40.56	63.28 1.98 -28.64
EIGHT_POINT___WT_PWR 323820	46.87 -2.35 -14.79	9.91 0.90 -19.89	1.22 2.06 -23.80	6.46 1.59 -25.32	5.43 1.11 -17.98	9.66 0.22 -12.05	25.27 -0.20 -22.56	60.87 -2.29 -31.22	85.80 -4.48 -34.31	73.70 -3.77 -33.47	72.49 -4.01 -31.11	71.20 -3.91 -29.94	75.41 -4.05 -33.30	79.85 -4.43 -34.09	79.20 -4.65 -31.62	108.80 -7.38 -35.60	109.41 -6.93 -37.02	129.58 -8.40 -43.00	71.59 -1.89 -49.65	80.19 -2.09 -56.64	68.29 -2.62 -40.48	57.64 -2.47 -32.83	66.70 -3.04 -32.38	48.85 -2.71 -18.89
ELBRIDGE_115KV_TB2 80188	42.31 -0.63 -8.51	0.76 0.19 -11.43	-10.55 0.40 -13.69	-5.60 0.29 -14.56	-3.12 0.20 -10.34	4.04 0.04 -6.61	12.41 -0.04 -9.55	35.00 -0.49 -3.55	55.07 -1.06 -0.17	44.17 -0.80 -0.97	44.55 -0.84 0.00	44.35 -0.82 0.00	45.26 -0.90 0.00	49.22 -0.97 0.00	51.16 -1.06 0.00	78.89 -1.70 0.00	77.75 -1.58 0.00	93.58 -1.82 -0.42	34.22 -0.33 -10.72	38.64 -0.35 -13.34	37.78 -0.47 -7.83	34.73 -0.50 -7.94	42.51 -0.70 -5.85	36.14 -0.60 -4.08
ELEC_TRO_TEK 24086	101.69 1.23 -66.03	77.45 -0.42 -88.75	80.72 -0.86 -106.22	91.95 -0.60 -113.00	66.13 -0.45 -80.24	48.62 -0.09 -51.31	77.00 0.13 -73.97	60.83 1.40 -27.48	60.23 2.93 -1.33	60.11 2.31 -13.81	47.99 2.60 0.00	47.82 2.65 0.00	48.46 2.31 0.00	52.82 2.64 0.00	54.76 2.54 0.00	84.23 3.65 0.00	82.60 3.28 0.00	102.39 4.14 -3.28	108.16 1.16 -83.17	128.95 1.26 -102.04	82.86 1.57 -50.87	87.52 1.51 -58.73	84.14 1.97 -44.81	66.72 1.52 -32.53

ELLENBURG_WT_PWR 323604	34.12 -0.31 0.00	-10.92 -0.04 0.00	-24.98 -0.35 0.00	-20.77 -0.32 0.00	-13.91 -0.25 0.00	-2.62 -0.01 0.00	2.87 -0.04 0.00	31.50 -0.43 0.00	55.27 -0.69 0.00	43.35 -0.64 0.00	44.59 -0.80 0.00	44.45 -0.72 0.00	45.58 -0.57 0.00	49.44 -0.75 0.00	51.18 -1.05 0.00	79.09 -1.50 0.00	78.17 -1.16 0.00	93.55 -1.43 0.00	23.25 -0.58 0.00	22.99 -0.57 2.08	10.38 -0.70 19.35	22.63 -0.48 4.17	35.83 -0.76 0.77	28.40 -0.64 3.63
ELM_ST_23_KV_LD_REV_LBMP_A 345012	44.14 -2.15 -11.86	5.58 0.51 -15.94	-4.76 0.81 -19.07	0.32 0.48 -20.29	1.07 0.33 -14.40	6.56 0.06 -9.10	14.93 -0.12 -12.14	30.81 -1.18 -0.05	47.72 -1.83 6.41	38.36 -1.11 4.52	37.82 -1.48 6.08	37.90 -1.42 5.85	38.09 -1.57 6.49	41.73 -1.80 6.65	43.65 -2.42 6.17	69.51 -4.14 6.94	68.19 -3.92 7.22	82.22 -5.11 7.65	31.32 -1.42 -8.91	35.97 -1.44 -11.76	32.10 -1.79 -3.47	32.40 -1.60 -6.72	39.43 -1.63 -3.70	34.77 -1.28 -3.39
EMPIRE_CC_1 323656	112.37 0.65 -77.29	92.86 -0.16 -103.89	99.38 -0.32 -124.34	111.59 -0.24 -132.28	80.12 -0.14 -93.92	57.43 -0.02 -60.07	90.32 0.04 -87.37	64.90 0.32 -32.65	58.26 0.72 -1.58	69.72 0.62 -25.11	46.06 0.67 0.00	45.80 0.63 0.00	46.71 0.55 0.00	50.89 0.71 0.00	53.42 1.19 0.00	82.42 1.84 0.00	81.00 1.68 0.00	100.96 2.15 -3.84	121.70 0.54 -97.33	145.60 0.54 -119.41	90.66 0.71 -59.53	96.62 0.61 -68.74	90.75 0.88 -52.51	70.57 0.83 -37.08
EMPIRE_CC_2 323658	112.37 0.65 -77.29	92.86 -0.16 -103.89	99.38 -0.32 -124.34	111.59 -0.24 -132.28	80.12 -0.14 -93.92	57.43 -0.02 -60.07	90.32 0.04 -87.37	64.90 0.32 -32.65	58.26 0.72 -1.58	69.72 0.62 -25.11	46.06 0.67 0.00	45.80 0.63 0.00	46.71 0.55 0.00	50.89 0.71 0.00	53.42 1.19 0.00	82.42 1.84 0.00	81.00 1.68 0.00	100.96 2.15 -3.84	121.70 0.54 -97.33	145.60 0.54 -119.41	90.66 0.71 -59.53	96.62 0.61 -68.74	90.75 0.88 -52.51	70.57 0.83 -37.08
ENORWICH_115KV_TB1 80156	56.61 1.08 -21.10	17.24 -0.25 -28.36	8.70 -0.61 -33.95	15.09 -0.57 -36.11	11.60 -0.38 -25.65	13.75 -0.07 -16.43	27.02 0.11 -24.00	43.79 1.70 -10.15	60.89 2.68 -2.25	54.13 2.05 -8.09	49.04 1.98 -1.67	48.38 1.61 -1.60	49.82 1.89 -1.78	53.68 1.68 -1.83	55.36 1.45 -1.69	84.76 2.27 -1.90	83.31 2.00 -1.98	101.11 2.83 -3.31	52.93 0.87 -28.23	60.98 0.92 -34.41	49.19 0.96 -17.81	47.83 0.73 -19.82	53.86 0.98 -15.52	43.98 0.57 -10.74
ERIE_ST__34_KV_TB1-2 80199	45.34 -1.38 -12.30	5.95 0.30 -16.52	-4.53 0.33 -19.78	0.68 0.09 -21.04	1.35 0.07 -14.94	6.86 0.01 -9.46	15.65 -0.06 -12.80	32.44 -0.47 -0.98	49.97 -0.59 5.40	40.25 -0.16 3.58	39.72 -0.51 5.16	39.74 -0.47 4.96	40.06 -0.58 5.51	43.79 -0.75 5.64	45.68 -1.31 5.23	72.30 -2.40 5.90	70.96 -2.24 6.13	85.42 -3.17 6.39	33.28 -0.91 -10.36	38.18 -0.89 -13.43	33.92 -1.16 -4.66	33.93 -1.04 -7.69	41.09 -0.93 -4.65	35.87 -0.73 -3.94
ERIE_WT_PWR 323693	44.72 -1.83 -12.12	5.83 0.41 -16.30	-4.55 0.58 -19.51	0.60 0.31 -20.75	1.29 0.22 -14.73	6.75 0.04 -9.32	15.38 -0.09 -12.56	31.73 -0.88 -0.68	48.96 -1.30 5.71	39.44 -0.67 3.88	38.92 -1.02 5.45	38.99 -0.94 5.23	39.23 -1.12 5.81	42.91 -1.32 5.95	44.83 -1.88 5.52	71.01 -3.37 6.21	69.71 -3.15 6.46	83.97 -4.23 6.78	32.52 -1.18 -9.87	37.31 -1.20 -12.86	33.14 -1.55 -4.27	33.30 -1.34 -7.36	40.40 -1.30 -4.34	35.40 -1.02 -3.76
ESPRGFLD_115KV_TB1 80157	35.63 1.20 0.00	-11.24 -0.37 0.00	-25.51 -0.87 0.00	-21.15 -0.70 0.00	-14.13 -0.47 0.00	-2.71 -0.10 0.00	3.04 0.13 0.00	33.37 1.44 0.00	58.23 2.27 0.00	89.23 1.63 -43.61	47.09 1.70 0.00	46.56 1.39 0.00	47.63 1.47 0.00	51.84 1.66 0.00	53.94 1.71 0.00	83.00 2.42 0.00	81.70 2.37 0.00	98.02 3.04 0.00	24.70 0.87 0.00	26.56 0.92 0.00	31.52 1.10 0.00	28.18 0.91 0.00	38.55 1.19 0.00	33.60 0.93 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	50.25 0.14 -15.68	10.19 -0.02 -21.08	0.51 -0.08 -25.23	6.30 -0.09 -26.84	5.34 -0.06 -19.06	9.61 -0.02 -12.24	21.07 0.04 -18.12	41.08 0.42 -8.73	59.80 0.56 -3.28	50.81 0.43 -6.39	48.50 0.40 -2.71	48.20 0.42 -2.61	49.46 0.41 -2.90	53.51 0.37 -2.96	55.29 0.32 -2.75	84.21 0.53 -3.09	83.19 0.65 -3.22	100.31 0.88 -4.45	46.66 0.38 -22.45	53.22 0.40 -27.17	45.41 0.39 -14.61	43.20 0.27 -15.66	50.30 0.35 -12.59	41.42 0.21 -8.54
ETNA____115KV_TB2 80207	50.25 0.14 -15.68	10.19 -0.02 -21.08	0.51 -0.08 -25.23	6.30 -0.09 -26.84	5.34 -0.06 -19.06	9.61 -0.02 -12.24	21.07 0.04 -18.12	41.08 0.42 -8.73	59.80 0.56 -3.28	50.81 0.43 -6.39	48.50 0.40 -2.71	48.20 0.42 -2.61	49.46 0.41 -2.90	53.51 0.37 -2.96	55.29 0.32 -2.75	84.21 0.53 -3.09	83.19 0.65 -3.22	100.31 0.88 -4.45	46.66 0.38 -22.45	53.22 0.40 -27.17	45.41 0.39 -14.61	43.20 0.27 -15.66	50.30 0.35 -12.59	41.42 0.21 -8.54
EUCLID____115KV_TB2 356179	40.73 -0.81 -7.11	-1.06 0.25 -9.56	-12.65 0.54 -11.44	-7.86 0.42 -12.17	-4.73 0.28 -8.64	2.97 0.05 -5.53	10.83 -0.06 -7.98	34.21 -0.69 -2.97	54.69 -1.42 -0.14	43.73 -1.07 -0.82	44.27 -1.12 0.00	44.08 -1.09 0.00	44.97 -1.18 0.00	48.91 -1.27 0.00	50.85 -1.37 0.00	78.43 -2.15 0.00	77.29 -2.04 0.00	92.95 -2.38 -0.35	32.31 -0.48 -8.96	36.37 -0.51 -11.23	36.85 -0.65 -7.08	33.42 -0.66 -6.80	41.35 -0.93 -4.92	35.25 -0.82 -3.41
E_CANADA_CAP_HY 24051	129.72 1.57 -93.72	114.58 -0.51 -125.96	124.93 -1.20 -150.77	138.99 -0.95 -160.39	99.61 -0.62 -113.89	70.09 -0.13 -72.83	108.38 0.17 -105.30	72.87 1.73 -39.20	60.52 2.66 -1.90	113.17 1.87 -67.31	47.26 1.87 0.00	46.60 1.43 0.00	47.65 1.50 0.00	52.04 1.86 0.00	54.23 2.01 0.00	83.45 2.86 0.00	82.25 2.92 0.00	103.50 3.87 -4.65	142.92 1.06 -118.03	171.55 1.10 -144.81	103.94 1.33 -72.19	111.80 1.16 -83.35	102.51 1.51 -63.64	78.85 1.25 -44.93
E_CANADA_MHWK_HY 24050	35.98 0.47 -1.09	-9.53 -0.12 -1.46	-23.14 -0.25 -1.75	-18.65 -0.06 -1.86	-12.33 0.02 -1.32	-1.77 0.00 -0.84	4.18 0.06 -1.22	32.89 0.50 -0.45	56.91 0.93 -0.02	44.75 0.63 -0.12	45.75 0.36 0.00	45.11 -0.06 0.00	46.13 -0.02 0.00	50.26 0.08 0.00	52.50 0.28 0.00	81.15 0.57 0.00	79.89 0.56 0.00	96.30 1.27 -0.05	25.61 0.41 -1.37	27.76 0.44 -1.68	31.72 0.46 -0.83	28.65 0.41 -0.97	38.59 0.49 -0.74	33.53 0.35 -0.52
E_FISHKILL____LBMP 23776	102.41 0.96 -67.03	78.95 -0.26 -90.09	82.66 -0.53 -107.82	93.88 -0.37 -114.70	67.53 -0.26 -81.45	49.43 -0.06 -52.09	78.09 0.10 -75.08	60.96 1.13 -27.90	59.58 2.27 -1.35	59.79 1.80 -14.00	47.28 1.90 0.00	46.96 1.79 0.00	47.75 1.60 0.00	51.87 1.69 0.00	53.98 1.75 0.00	83.21 2.62 0.00	81.65 2.32 0.00	101.42 3.11 -3.33	109.14 0.88 -84.43	130.14 0.91 -103.59	83.15 1.09 -51.64	87.90 1.00 -59.62	84.19 1.34 -45.48	65.88 1.11 -32.11
FALCON____SEABRD_CC1 323796	34.21 -0.22 0.00	-11.06 -0.19 0.00	-25.47 -0.83 0.00	-21.16 -0.71 0.00	-14.15 -0.49 0.00	-2.66 -0.05 0.00	2.86 -0.05 0.00	31.58 -0.36 0.00	55.44 -0.52 0.00	43.51 -0.49 0.00	44.65 -0.74 0.00	44.55 -0.62 0.00	45.62 -0.53 0.00	49.45 -0.73 0.00	51.04 -1.19 0.00	78.96 -1.63 0.00	78.29 -1.04 0.00	93.77 -1.21 0.00	23.20 -0.63 0.00	22.76 -0.63 2.24	8.42 -0.81 21.20	22.27 -0.52 4.49	35.63 -0.90 0.83	27.75 -0.76 4.15

FALCON___SEABRD_CC2 323797	34.21 -0.22 0.00	-11.06 -0.19 0.00	-25.47 -0.83 0.00	-21.16 -0.71 0.00	-14.15 -0.49 0.00	-2.66 -0.05 0.00	2.86 -0.05 0.00	31.58 -0.36 0.00	55.44 -0.52 0.00	43.51 -0.49 0.00	44.65 -0.74 0.00	44.55 -0.62 0.00	45.62 -0.53 0.00	49.45 -0.73 0.00	51.04 -1.19 0.00	78.96 -1.63 0.00	78.29 -1.04 0.00	93.77 -1.21 0.00	23.20 -0.63 0.00	22.76 -0.63 2.24	8.42 -0.81 21.20	22.27 -0.52 4.49	35.63 -0.90 0.83	27.75 -0.76 4.15
FAR ROCKAWAY___4 23548	102.07 1.61 -66.03	77.34 -0.53 -88.75	80.47 -1.11 -106.22	91.74 -0.81 -113.00	65.99 -0.60 -80.24	48.59 -0.11 -51.31	77.04 0.16 -73.97	61.18 1.76 -27.48	60.82 3.53 -1.33	60.60 2.80 -13.81	48.49 3.10 0.00	48.34 3.17 0.00	48.96 2.80 0.00	53.42 3.24 0.00	55.35 3.12 0.00	85.20 4.61 0.00	83.67 4.34 0.00	103.66 5.41 -3.28	108.49 1.49 -83.17	129.30 1.61 -102.04	83.29 2.00 -50.87	87.90 1.90 -58.73	84.65 2.49 -44.81	68.35 1.97 -33.71
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	101.64 1.17 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.25	48.64 -0.07 -51.32	77.02 0.14 -73.98	60.85 1.42 -27.49	60.23 2.93 -1.33	60.15 2.35 -13.82	47.80 2.42 0.00	47.45 2.28 0.00	48.27 2.11 0.00	52.41 2.22 0.00	54.53 2.30 0.00	83.94 3.35 0.00	82.20 2.87 0.00	102.08 3.83 -3.28	108.12 1.11 -83.18	128.83 1.12 -102.06	82.66 1.36 -50.88	87.32 1.31 -58.74	83.99 1.81 -44.81	65.77 1.47 -31.64
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	101.66 1.19 -66.04	77.56 -0.33 -88.76	80.96 -0.64 -106.24	92.16 -0.41 -113.02	66.27 -0.32 -80.25	48.64 -0.08 -51.32	77.02 0.13 -73.98	60.87 1.44 -27.49	60.24 2.95 -1.33	60.18 2.37 -13.82	47.82 2.43 0.00	47.45 2.28 0.00	48.27 2.12 0.00	52.41 2.23 0.00	54.54 2.31 0.00	83.95 3.37 0.00	82.23 2.90 0.00	102.13 3.88 -3.28	108.13 1.12 -83.18	128.84 1.14 -102.06	82.68 1.38 -50.88	87.34 1.32 -58.74	84.00 1.83 -44.81	65.79 1.49 -31.64
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	101.62 1.15 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.39 -113.02	66.28 -0.31 -80.25	48.64 -0.07 -51.32	77.02 0.13 -73.98	60.83 1.41 -27.49	60.20 2.91 -1.33	60.13 2.33 -13.82	47.79 2.40 0.00	47.43 2.26 0.00	48.24 2.09 0.00	52.39 2.21 0.00	54.52 2.29 0.00	83.90 3.31 0.00	82.17 2.85 0.00	102.05 3.80 -3.28	108.11 1.10 -83.18	128.82 1.12 -102.06	82.65 1.35 -50.88	87.31 1.29 -58.74	83.96 1.79 -44.81	65.76 1.46 -31.64
FARRAGUT___LBMP 323566	101.59 1.13 -66.04	77.58 -0.31 -88.76	81.00 -0.60 -106.24	92.19 -0.38 -113.02	66.30 -0.30 -80.25	48.65 -0.07 -51.32	77.02 0.13 -73.98	60.81 1.38 -27.49	60.14 2.85 -1.33	60.09 2.28 -13.82	47.73 2.34 0.00	47.38 2.21 0.00	48.19 2.04 0.00	52.32 2.14 0.00	54.45 2.22 0.00	83.81 3.22 0.00	82.08 2.75 0.00	101.94 3.68 -3.28	108.09 1.08 -83.18	128.79 1.09 -102.06	82.62 1.32 -50.88	87.29 1.27 -58.74	83.93 1.76 -44.81	65.73 1.43 -31.64
FENNER___WINDPWR 24204	43.76 0.41 -8.93	1.01 -0.12 -12.00	-10.52 -0.25 -14.37	-5.40 -0.23 -15.29	-2.98 -0.17 -10.85	4.29 -0.04 -6.94	12.99 0.06 -10.03	36.25 0.58 -3.73	57.01 0.87 -0.18	45.63 0.61 -1.02	46.13 0.74 0.00	45.96 0.79 0.00	46.75 0.60 0.00	50.72 0.54 0.00	52.87 0.64 0.00	81.65 1.07 0.00	80.52 1.19 0.00	96.86 1.45 -0.44	35.52 0.43 -11.25	40.20 0.46 -14.09	39.77 0.49 -8.85	36.21 0.41 -8.53	44.01 0.48 -6.17	37.25 0.31 -4.28
FIBERTEK___ENERGY 23856	42.26 -0.33 -8.16	0.21 0.11 -10.97	-11.30 0.21 -13.13	-6.34 0.14 -13.97	-3.64 0.10 -9.92	3.75 0.01 -6.34	12.06 -0.01 -9.16	35.16 -0.19 -3.41	55.57 -0.56 -0.16	44.53 -0.40 -0.94	44.96 -0.43 0.00	44.78 -0.40 0.00	45.68 -0.48 0.00	49.65 -0.53 0.00	51.63 -0.59 0.00	79.67 -0.91 0.00	78.57 -0.76 0.00	94.64 -0.74 -0.40	34.06 -0.05 -10.28	38.42 -0.06 -12.83	38.04 -0.13 -7.75	34.77 -0.20 -7.69	42.66 -0.33 -5.62	36.26 -0.32 -3.91
FITZPATRICK____ 23598	38.42 -1.16 -5.15	-3.59 0.36 -6.93	-15.56 0.79 -8.29	-11.00 0.63 -8.82	-6.97 0.43 -6.26	1.48 0.08 -4.01	8.59 -0.10 -5.78	32.96 -1.13 -2.15	53.88 -2.19 -0.10	42.91 -1.68 -0.59	43.65 -1.74 0.00	43.45 -1.73 0.00	44.35 -1.81 0.00	48.21 -1.97 0.00	50.14 -2.09 0.00	77.32 -3.27 0.00	76.13 -3.20 0.00	91.45 -3.78 -0.26	29.48 -0.84 -6.49	32.71 -0.89 -7.97	33.29 -1.10 -3.97	30.82 -1.04 -4.59	39.42 -1.45 -3.50	33.88 -1.25 -2.47
FLOWRFLD_69_KV_BK1 356044	101.77 1.32 -66.03	77.30 -0.57 -88.75	80.40 -1.19 -106.22	91.70 -0.84 -113.00	65.96 -0.63 -80.24	48.61 -0.09 -51.31	77.01 0.14 -73.97	60.81 1.39 -27.48	60.19 2.90 -1.33	59.96 2.15 -13.81	48.13 2.74 0.00	48.04 2.87 0.00	48.61 2.45 0.00	53.20 3.02 0.00	55.12 2.89 0.00	84.72 4.13 0.00	82.85 3.52 0.00	102.61 4.35 -3.28	108.22 1.22 -83.17	129.05 1.36 -102.04	82.97 1.68 -50.87	87.64 1.63 -58.73	84.25 2.09 -44.81	65.96 1.54 -31.76
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	101.56 1.37 -65.76	77.13 -0.39 -88.39	80.34 -0.81 -105.79	91.48 -0.61 -112.54	65.83 -0.42 -79.92	48.41 -0.09 -51.11	76.73 0.14 -73.68	60.87 1.55 -27.38	60.33 3.05 -1.33	60.28 2.41 -13.88	47.89 2.50 0.00	47.56 2.38 0.00	48.38 2.22 0.00	52.58 2.40 0.00	54.76 2.53 0.00	84.47 3.89 0.00	82.87 3.54 0.00	102.84 4.59 -3.27	108.01 1.27 -82.91	128.69 1.32 -101.72	82.70 1.57 -50.71	87.24 1.41 -58.55	83.91 1.88 -44.67	65.75 1.55 -31.54
FORT ORANGE____ 23900	115.07 1.25 -79.39	95.48 -0.35 -106.70	102.31 -0.76 -127.71	114.80 -0.61 -135.86	82.41 -0.40 -96.47	59.01 -0.08 -61.69	92.27 0.10 -89.27	66.24 1.05 -33.25	59.53 1.96 -1.61	81.58 1.59 -36.00	47.01 1.62 0.00	46.74 1.57 0.00	47.64 1.48 0.00	51.92 1.74 0.00	54.32 2.10 0.00	83.89 3.30 0.00	82.57 3.25 0.00	103.05 4.14 -3.94	124.85 1.06 -99.96	149.39 1.10 -122.64	92.87 1.32 -61.14	99.03 1.15 -70.60	92.83 1.57 -53.90	72.08 1.36 -38.06
FORT_DRUM_COGEN 23780	40.10 0.92 -4.75	-4.72 -0.23 -6.39	-17.15 -0.16 -7.64	-12.61 -0.29 -8.13	-8.11 -0.22 -5.77	1.03 -0.05 -3.69	8.35 0.10 -5.33	34.71 0.79 -1.98	56.35 0.29 -0.10	44.17 -0.36 -0.54	45.28 -0.11 0.00	45.44 0.27 0.00	45.60 -0.56 0.00	49.35 -0.84 0.00	51.59 -0.64 0.00	81.21 0.62 0.00	80.58 1.26 0.00	97.36 2.15 -0.24	30.56 0.74 -5.98	35.77 0.91 -9.22	47.83 1.05 -16.35	36.23 0.97 -7.98	42.10 0.83 -3.92	35.35 0.41 -2.28
FOX_HILLS___ESR 323835	103.53 1.37 -67.74	77.85 -0.38 -89.11	80.89 -0.72 -106.24	92.12 -0.45 -113.02	68.20 -0.39 -82.26	59.58 -0.09 -62.28	88.02 0.15 -84.96	61.87 1.64 -28.28	62.77 3.24 -3.57	64.13 2.52 -17.62	60.18 2.84 -11.95	60.23 2.57 -12.49	62.71 2.46 -14.10	60.90 2.69 -8.03	67.56 2.78 -12.55	85.90 3.64 -1.68	82.48 3.18 0.02	102.72 4.46 -3.28	112.74 1.30 -87.62	128.99 1.29 -102.06	87.24 1.57 -55.25	87.49 1.46 -58.75	94.34 2.06 -54.91	70.34 1.70 -35.97
FPL FAR_ROCK_GT1 24212	102.06 1.60 -66.03	77.34 -0.53 -88.75	80.47 -1.11 -106.22	91.74 -0.81 -113.00	65.99 -0.60 -80.24	48.59 -0.11 -51.31	77.04 0.16 -73.97	61.18 1.76 -27.48	60.81 3.52 -1.33	60.61 2.80 -13.81	48.48 3.09 0.00	48.33 3.16 0.00	48.95 2.80 0.00	53.41 3.23 0.00	55.35 3.13 0.00	85.18 4.59 0.00	83.66 4.33 0.00	103.66 5.41 -3.28	108.49 1.49 -83.17	129.30 1.61 -102.04	83.29 2.00 -50.87	87.90 1.90 -58.73	84.66 2.49 -44.81	68.35 1.97 -33.71

FPL FAR_ROCK_GT2 23815	102.06 1.60 -66.03	77.34 -0.53 -88.75	80.47 -1.11 -106.22	91.74 -0.81 -113.00	65.99 -0.60 -80.24	48.59 -0.11 -51.31	77.04 0.16 -73.97	61.18 1.76 -27.48	60.81 3.52 -1.33	60.61 2.80 -13.81	48.48 3.09 0.00	48.33 3.16 0.00	48.95 2.80 0.00	53.41 3.23 0.00	55.35 3.13 0.00	85.18 4.59 0.00	83.66 4.33 0.00	103.66 5.41 -3.28	108.49 1.49 -83.17	129.30 1.61 -102.04	83.29 2.00 -50.87	87.90 1.90 -58.73	84.66 2.49 -44.81	68.35 1.97 -33.71
FRANKLIN_FALL_HYD 24054	36.60 1.03 -1.14	-9.76 -0.42 -1.54	-23.88 -1.07 -1.84	-19.46 -0.96 -1.95	-12.90 -0.63 -1.39	-1.81 -0.09 -0.89	4.26 0.07 -1.28	33.14 0.73 -0.48	57.06 1.08 -0.02	44.69 0.57 -0.13	45.81 0.42 0.00	45.61 0.44 0.00	46.58 0.43 0.00	50.44 0.26 0.00	52.47 0.24 0.00	81.64 1.05 0.00	80.87 1.54 0.00	97.25 2.22 -0.06	25.70 0.43 -1.44	40.13 0.70 -13.78	113.67 0.83 -82.42	53.30 0.98 -25.04	43.70 1.12 -5.22	34.38 0.91 -0.80
FREEPORT_EQUS_GT1 23764	101.83 1.38 -66.03	77.40 -0.48 -88.75	80.60 -0.98 -106.22	91.85 -0.70 -113.00	66.06 -0.52 -80.24	48.61 -0.10 -51.31	77.00 0.12 -73.97	60.81 1.39 -27.48	60.44 3.15 -1.33	60.26 2.46 -13.81	48.14 2.75 0.00	48.00 2.83 0.00	48.61 2.46 0.00	53.03 2.85 0.00	54.98 2.76 0.00	84.45 3.87 0.00	82.69 3.36 0.00	102.45 4.19 -3.28	108.19 1.19 -83.17	129.10 1.41 -102.04	83.03 1.74 -50.87	87.67 1.66 -58.73	84.33 2.16 -44.81	66.70 1.64 -32.39
FREEPORT___CT2 23818	101.83 1.38 -66.03	77.40 -0.48 -88.75	80.60 -0.98 -106.22	91.85 -0.70 -113.00	66.06 -0.52 -80.24	48.61 -0.10 -51.31	77.00 0.12 -73.97	60.81 1.39 -27.48	60.44 3.15 -1.33	60.26 2.46 -13.81	48.14 2.75 0.00	48.00 2.83 0.00	48.61 2.46 0.00	53.03 2.85 0.00	54.98 2.76 0.00	84.45 3.87 0.00	82.69 3.36 0.00	102.45 4.19 -3.28	108.19 1.19 -83.17	129.10 1.41 -102.04	83.03 1.74 -50.87	87.67 1.66 -58.73	84.33 2.16 -44.81	66.70 1.64 -32.39
FRESHKLS_33_KV_LOAD 356253	103.50 1.34 -67.74	77.86 -0.38 -89.11	80.94 -0.67 -106.24	92.16 -0.42 -113.02	68.21 -0.38 -82.26	59.58 -0.09 -62.28	88.02 0.16 -84.96	61.82 1.60 -28.28	62.63 3.11 -3.57	64.01 2.40 -17.62	60.13 2.79 -11.95	60.13 2.47 -12.49	62.62 2.36 -14.10	60.81 2.60 -8.03	67.48 2.70 -12.55	85.65 3.39 -1.68	82.27 2.97 0.02	102.66 4.40 -3.28	112.73 1.28 -87.62	128.97 1.27 -102.06	87.24 1.57 -55.25	87.46 1.43 -58.75	94.29 2.02 -54.91	70.31 1.68 -35.97
FULTON COGEN____ 23766	41.23 -0.26 -7.06	-1.29 0.09 -9.50	-13.06 0.21 -11.36	-8.23 0.13 -12.09	-4.98 0.09 -8.59	2.89 0.01 -5.49	10.83 0.00 -7.93	34.80 -0.09 -2.95	55.63 -0.47 -0.14	44.41 -0.39 -0.81	45.02 -0.37 0.00	44.85 -0.32 0.00	45.71 -0.44 0.00	49.79 -0.39 0.00	51.77 -0.46 0.00	80.03 -0.55 0.00	79.05 -0.28 0.00	95.17 -0.16 -0.35	32.84 0.11 -8.90	37.08 0.13 -11.30	38.54 0.07 -8.05	34.29 -0.04 -7.06	42.13 -0.17 -4.94	35.83 -0.22 -3.39
FULTON___LFGE 323630	125.53 1.80 -89.31	108.60 -0.56 -120.03	117.76 -1.27 -143.67	131.37 -1.02 -152.84	94.18 -0.69 -108.53	66.65 -0.14 -69.40	103.44 0.18 -100.35	71.15 1.85 -37.36	60.70 2.93 -1.81	118.25 2.09 -72.17	47.32 1.93 0.00	46.69 1.52 0.00	47.68 1.53 0.00	52.16 1.98 0.00	54.54 2.31 0.00	84.25 3.66 0.00	83.30 3.98 0.00	104.77 5.35 -4.43	137.81 1.47 -112.52	165.23 1.54 -138.05	101.06 1.82 -68.82	108.30 1.56 -79.46	100.06 2.02 -60.67	77.19 1.69 -42.84
G.F.CEMENT___DRP 24184	119.61 3.08 -82.11	98.57 -0.91 -110.35	105.42 -2.02 -132.08	118.40 -1.66 -140.51	85.03 -1.08 -99.77	60.98 -0.21 -63.80	95.41 0.28 -92.22	69.59 3.33 -34.32	63.70 6.08 -1.66	118.62 4.63 -69.99	49.59 4.20 0.00	49.60 4.43 0.00	50.38 4.23 0.00	54.80 4.62 0.00	57.32 5.09 0.00	88.92 8.34 0.00	87.79 8.46 0.00	109.54 10.49 -4.08	129.82 2.50 -103.49	155.32 2.71 -126.97	96.80 3.08 -63.30	103.11 2.74 -73.09	96.75 3.57 -55.82	75.26 3.19 -39.41
GARDENVILLE___LBMP 24039	44.47 -1.96 -12.01	5.73 0.47 -16.14	-4.63 0.69 -19.32	0.50 0.39 -20.55	1.20 0.27 -14.59	6.67 0.05 -9.23	15.18 -0.10 -12.38	31.30 -1.02 -0.40	48.41 -1.52 6.03	38.93 -0.89 4.17	38.38 -1.27 5.74	38.48 -1.18 5.51	38.69 -1.34 6.12	42.36 -1.55 6.27	44.27 -2.15 5.81	70.31 -3.73 6.54	69.00 -3.52 6.81	83.15 -4.65 7.17	31.98 -1.29 -9.44	36.72 -1.30 -12.37	32.70 -1.64 -3.92	32.89 -1.46 -7.08	39.95 -1.46 -4.05	35.10 -1.15 -3.59
GARDNVLA_35_KV_LD 355827	44.89 -1.72 -12.19	5.89 0.38 -16.38	-4.52 0.52 -19.60	0.65 0.25 -20.86	1.32 0.18 -14.81	6.80 0.03 -9.37	15.48 -0.08 -12.66	31.99 -0.77 -0.82	49.30 -1.11 5.55	39.71 -0.56 3.72	39.17 -0.92 5.30	39.22 -0.86 5.09	39.49 -1.01 5.65	43.21 -1.19 5.79	45.08 -1.78 5.37	71.40 -3.15 6.04	70.12 -2.92 6.28	84.42 -3.98 6.57	32.80 -1.12 -10.10	37.64 -1.12 -13.12	33.45 -1.43 -4.46	33.51 -1.27 -7.51	40.63 -1.22 -4.48	35.56 -0.94 -3.84
GELCKHM___115KV_LOAD 80723	41.28 -0.65 -7.50	-0.58 0.20 -10.09	-12.13 0.43 -12.07	-7.29 0.32 -12.84	-4.32 0.22 -9.12	3.26 0.04 -5.83	11.28 -0.05 -8.42	34.54 -0.53 -3.14	54.98 -1.14 -0.15	44.00 -0.85 -0.86	44.49 -0.89 0.00	44.30 -0.87 0.00	45.20 -0.95 0.00	49.15 -1.04 0.00	51.10 -1.12 0.00	78.84 -1.75 0.00	77.71 -1.62 0.00	93.52 -1.83 -0.37	32.94 -0.34 -9.45	37.12 -0.35 -11.83	37.26 -0.48 -7.32	33.90 -0.51 -7.13	41.81 -0.73 -5.18	35.61 -0.65 -3.60
GENERAL___MILLS 23808	44.73 -1.83 -12.12	5.84 0.42 -16.30	-4.55 0.59 -19.51	0.61 0.31 -20.75	1.29 0.22 -14.73	6.75 0.04 -9.32	15.38 -0.09 -12.56	31.73 -0.88 -0.68	48.94 -1.32 5.71	39.41 -0.71 3.88	38.85 -1.09 5.45	38.93 -1.01 5.23	39.18 -1.17 5.81	42.87 -1.35 5.95	44.75 -1.96 5.52	70.95 -3.42 6.21	69.65 -3.21 6.46	83.88 -4.31 6.78	32.50 -1.20 -9.87	37.31 -1.20 -12.86	33.16 -1.53 -4.27	33.28 -1.36 -7.36	40.37 -1.33 -4.34	35.38 -1.03 -3.76
GE_PLASTICS___DRP 24183	114.83 0.94 -79.46	95.67 -0.26 -106.80	102.64 -0.55 -127.83	115.10 -0.44 -135.99	82.62 -0.29 -96.56	59.09 -0.05 -61.75	92.31 0.07 -89.34	65.93 0.72 -33.27	58.97 1.40 -1.61	76.37 1.14 -31.24	46.57 1.18 0.00	46.31 1.14 0.00	47.21 1.05 0.00	51.41 1.23 0.00	53.74 1.51 0.00	82.92 2.33 0.00	81.54 2.21 0.00	101.78 2.86 -3.94	124.63 0.74 -100.06	149.18 0.77 -122.76	92.55 0.93 -61.20	98.76 0.82 -70.67	92.44 1.12 -53.95	71.73 0.98 -38.10
GILBOA___1 23756	98.54 0.86 -63.25	73.94 -0.21 -85.02	76.68 -0.44 -101.75	87.45 -0.34 -108.25	62.98 -0.22 -76.87	46.50 -0.04 -49.16	74.00 0.05 -71.04	58.90 0.52 -26.44	58.30 1.06 -1.28	55.80 0.88 -10.93	46.37 0.98 0.00	46.10 0.93 0.00	46.97 0.82 0.00	51.07 0.89 0.00	53.24 1.02 0.00	82.12 1.53 0.00	80.56 1.23 0.00	99.76 1.64 -3.14	103.97 0.48 -79.67	123.87 0.48 -97.75	79.77 0.62 -48.72	84.07 0.53 -56.26	81.09 0.79 -42.94	63.65 0.66 -30.32
GILBOA___2 23757	98.54 0.86 -63.25	73.94 -0.21 -85.02	76.68 -0.44 -101.75	87.45 -0.34 -108.25	62.98 -0.22 -76.87	46.50 -0.04 -49.16	74.00 0.05 -71.04	58.90 0.52 -26.44	58.30 1.06 -1.28	55.80 0.88 -10.93	46.37 0.98 0.00	46.10 0.93 0.00	46.97 0.82 0.00	51.07 0.89 0.00	53.24 1.02 0.00	82.12 1.53 0.00	80.56 1.23 0.00	99.76 1.64 -3.14	103.97 0.48 -79.67	123.87 0.48 -97.75	79.77 0.62 -48.72	84.07 0.53 -56.26	81.09 0.79 -42.94	63.65 0.66 -30.32

GILBOA___3 23758	98.54 0.86 -63.25	73.94 -0.21 -85.02	76.68 -0.44 -101.75	87.45 -0.34 -108.25	62.98 -0.22 -76.87	46.50 -0.04 -49.16	74.00 0.05 -71.04	58.90 0.52 -26.44	58.30 1.06 -1.28	55.80 0.88 -10.93	46.37 0.98 0.00	46.10 0.93 0.00	46.97 0.82 0.00	51.07 0.89 0.00	53.24 1.02 0.00	82.12 1.53 0.00	80.56 1.23 0.00	99.76 1.64 -3.14	103.97 0.48 -79.67	123.87 0.48 -97.75	79.77 0.62 -48.72	84.07 0.53 -56.26	81.09 0.79 -42.94	63.65 0.66 -30.32
GILBOA___4 23759	98.54 0.86 -63.25	73.94 -0.21 -85.02	76.68 -0.44 -101.75	87.45 -0.34 -108.25	62.98 -0.22 -76.87	46.50 -0.04 -49.16	74.00 0.05 -71.04	58.90 0.52 -26.44	58.30 1.06 -1.28	55.80 0.88 -10.93	46.37 0.98 0.00	46.10 0.93 0.00	46.97 0.82 0.00	51.07 0.89 0.00	53.24 1.02 0.00	82.12 1.53 0.00	80.56 1.23 0.00	99.76 1.64 -3.14	103.97 0.48 -79.67	123.87 0.48 -97.75	79.77 0.62 -48.72	84.07 0.53 -56.26	81.09 0.79 -42.94	63.65 0.66 -30.32
GILBOA___ 23599	98.54 0.87 -63.25	73.94 -0.21 -85.02	76.68 -0.44 -101.75	87.46 -0.34 -108.25	62.98 -0.22 -76.87	46.50 -0.04 -49.16	74.00 0.05 -71.04	58.91 0.53 -26.44	58.30 1.06 -1.28	55.80 0.88 -10.93	46.38 0.99 0.00	46.10 0.93 0.00	46.98 0.82 0.00	51.07 0.89 0.00	53.24 1.01 0.00	82.12 1.54 0.00	80.57 1.24 0.00	99.76 1.64 -3.14	103.97 0.48 -79.67	123.87 0.48 -97.75	79.77 0.62 -48.72	84.08 0.54 -56.26	81.09 0.79 -42.94	63.65 0.66 -30.32
GINNA___ 23603	40.88 -2.78 -9.24	2.33 0.79 -12.41	-8.13 1.65 -14.86	-3.39 1.25 -15.81	-1.61 0.83 -11.22	4.72 0.15 -7.18	13.09 -0.18 -10.37	33.83 -1.96 -3.86	52.61 -3.54 -0.19	42.45 -2.60 -1.06	42.57 -2.82 0.00	42.42 -2.75 0.00	43.33 -2.82 0.00	47.14 -3.04 0.00	48.83 -3.40 0.00	75.11 -5.47 0.00	74.04 -5.28 0.00	89.09 -6.35 -0.46	33.88 -1.59 -11.64	38.23 -1.70 -14.28	35.43 -2.11 -7.12	33.54 -1.95 -8.22	41.12 -2.51 -6.27	34.94 -2.15 -4.43
GLEN PARK___ 23778	40.34 1.03 -4.89	-4.57 -0.26 -6.57	-17.03 -0.25 -7.86	-12.45 -0.36 -8.36	-8.00 -0.27 -5.94	1.12 -0.07 -3.80	8.51 0.12 -5.49	34.93 0.96 -2.04	56.64 0.58 -0.10	44.40 -0.15 -0.56	45.49 0.10 0.00	45.61 0.43 0.00	45.77 -0.39 0.00	49.60 -0.58 0.00	51.79 -0.44 0.00	81.63 1.04 0.00	81.06 1.73 0.00	98.05 2.83 -0.24	30.90 0.92 -6.16	36.08 1.09 -9.34	47.54 1.26 -15.86	36.33 1.13 -7.92	42.38 1.04 -3.98	35.60 0.59 -2.34
GLENDALE_27_KV_LOAD 356172	101.85 1.38 -66.04	77.51 -0.38 -88.76	80.85 -0.75 -106.24	92.09 -0.48 -113.02	66.22 -0.38 -80.26	48.62 0.15 -51.33	77.04 0.15 -73.98	61.08 1.65 -27.49	60.65 3.36 -1.33	60.48 2.67 -13.82	48.19 2.80 0.00	47.82 2.65 0.00	48.64 2.49 0.00	52.87 2.68 0.00	55.00 2.77 0.00	84.55 3.97 0.00	82.84 3.52 0.00	102.90 4.65 -3.28	108.36 1.34 -83.19	129.06 1.35 -102.06	82.91 1.61 -50.88	87.53 1.51 -58.74	84.26 2.08 -44.82	65.99 1.68 -31.64
GLENWOOD_IC_1_G5 23712	101.85 1.39 -66.03	77.40 -0.47 -88.75	80.62 -0.96 -106.22	91.86 -0.69 -113.00	66.07 -0.51 -80.24	48.61 -0.10 -51.31	77.02 0.14 -73.97	60.97 1.55 -27.48	60.50 3.21 -1.33	60.32 2.52 -13.81	48.22 2.83 0.00	48.06 2.89 0.00	48.71 2.55 0.00	53.07 2.89 0.00	55.02 2.80 0.00	84.62 4.04 0.00	83.00 3.67 0.00	102.88 4.62 -3.28	108.28 1.28 -83.17	129.09 1.40 -102.04	83.03 1.74 -50.87	87.67 1.66 -58.73	84.32 2.16 -44.81	66.48 1.66 -32.15
GLENWOOD_IC_2_G1 23688	101.76 1.31 -66.03	77.43 -0.44 -88.75	80.68 -0.90 -106.22	91.91 -0.64 -113.00	66.10 -0.48 -80.24	48.62 -0.09 -51.31	77.01 0.14 -73.97	60.90 1.47 -27.48	60.34 3.05 -1.33	60.20 2.40 -13.81	48.08 2.69 0.00	47.91 2.73 0.00	48.54 2.39 0.00	52.90 2.72 0.00	54.85 2.63 0.00	84.39 3.81 0.00	82.76 3.43 0.00	102.61 4.36 -3.28	108.21 1.21 -83.17	129.01 1.33 -102.04	82.93 1.64 -50.87	87.58 1.57 -58.73	84.22 2.05 -44.81	66.12 1.59 -31.87
GLENWOOD_IC_3_G1 23689	101.76 1.31 -66.03	77.43 -0.44 -88.75	80.68 -0.90 -106.22	91.91 -0.64 -113.00	66.10 -0.48 -80.24	48.62 -0.09 -51.31	77.01 0.14 -73.97	60.90 1.47 -27.48	60.34 3.05 -1.33	60.20 2.40 -13.81	48.08 2.69 0.00	47.91 2.73 0.00	48.54 2.39 0.00	52.90 2.72 0.00	54.85 2.63 0.00	84.39 3.81 0.00	82.76 3.43 0.00	102.61 4.36 -3.28	108.21 1.21 -83.17	129.01 1.33 -102.04	82.93 1.64 -50.87	87.58 1.57 -58.73	84.22 2.05 -44.81	66.12 1.59 -31.87
GLENWOOD___4 23550	101.85 1.39 -66.03	77.40 -0.47 -88.75	80.62 -0.96 -106.22	91.86 -0.69 -113.00	66.07 -0.51 -80.24	48.61 -0.10 -51.31	77.02 0.14 -73.97	60.97 1.55 -27.48	60.50 3.21 -1.33	60.32 2.52 -13.81	48.22 2.83 0.00	48.06 2.89 0.00	48.71 2.55 0.00	53.07 2.89 0.00	55.02 2.80 0.00	84.62 4.04 0.00	83.00 3.67 0.00	102.88 4.62 -3.28	108.28 1.28 -83.17	129.09 1.40 -102.04	83.03 1.74 -50.87	87.67 1.66 -58.73	84.32 2.16 -44.81	66.48 1.66 -32.15
GLENWOOD___5 23614	101.85 1.39 -66.03	77.40 -0.47 -88.75	80.62 -0.96 -106.22	91.86 -0.69 -113.00	66.07 -0.51 -80.24	48.61 -0.10 -51.31	77.02 0.14 -73.97	60.97 1.55 -27.48	60.50 3.21 -1.33	60.32 2.52 -13.81	48.22 2.83 0.00	48.06 2.89 0.00	48.71 2.55 0.00	53.07 2.89 0.00	55.02 2.80 0.00	84.62 4.04 0.00	83.00 3.67 0.00	102.88 4.62 -3.28	108.28 1.28 -83.17	129.09 1.40 -102.04	83.03 1.74 -50.87	87.67 1.66 -58.73	84.32 2.16 -44.81	66.48 1.66 -32.15
GLOBAL GREEN_PORT_GT1 23814	102.37 1.91 -66.03	77.05 -0.83 -88.75	79.81 -1.77 -106.22	91.21 -1.34 -113.00	65.74 -0.84 -80.24	48.63 -0.07 -51.31	76.95 0.07 -73.97	59.98 0.56 -27.48	58.98 1.69 -1.33	59.31 1.51 -13.81	47.91 2.53 0.00	48.12 2.95 0.00	48.63 2.47 0.00	53.37 3.19 0.00	55.81 3.59 0.00	86.02 5.43 0.00	83.95 4.62 0.00	103.45 5.20 -3.28	107.72 0.72 -83.17	128.47 0.78 -102.04	82.22 0.93 -50.87	86.93 0.92 -58.73	83.22 1.05 -44.81	65.04 0.63 -31.75
GLOBE___DSASP 323697	42.52 -3.31 -11.40	5.25 0.80 -15.33	-4.89 1.41 -18.34	0.01 0.95 -19.51	0.83 0.63 -13.86	6.26 0.12 -8.75	14.14 -0.22 -11.45	28.61 -2.35 0.97	44.38 -3.98 7.61	35.58 -2.79 5.62	34.99 -3.23 7.17	35.13 -3.15 6.89	35.16 -3.34 7.65	38.66 -3.68 7.84	40.56 -4.40 7.27	65.11 -7.29 8.18	63.80 -7.01 8.51	77.17 -8.66 9.15	28.72 -2.35 -7.25	33.10 -2.42 -9.88	29.62 -2.91 -2.11	30.31 -2.60 -5.63	37.05 -2.92 -2.61	33.08 -2.34 -2.76
GOETHSLN___LBMP 323567	101.39 0.92 -66.04	77.65 -0.24 -88.76	81.16 -0.44 -106.24	92.34 -0.23 -113.02	66.39 -0.20 -80.25	48.66 -0.05 -51.32	77.00 0.11 -73.98	60.57 1.15 -27.49	59.22 2.41 -0.86	58.84 1.92 -12.93	47.20 1.98 0.17	47.02 1.85 0.00	47.83 1.68 0.00	51.93 1.75 0.00	54.05 1.82 0.00	83.22 2.63 0.00	81.34 2.11 0.10	101.17 2.92 -3.28	107.90 0.89 -83.18	128.59 0.88 -102.06	82.38 1.08 -50.88	87.07 1.05 -58.74	83.63 1.45 -44.81	65.48 1.18 -31.64
GOLAH___69_KV_TB 1_2 80279	42.62 -1.43 -9.62	2.38 0.32 -12.93	-8.69 0.47 -15.47	-3.79 0.20 -16.46	-1.85 0.12 -11.69	4.85 0.02 -7.45	13.36 -0.05 -10.50	34.22 -0.49 -2.77	53.57 -0.89 1.50	43.07 -0.52 0.39	43.01 -0.83 1.55	42.85 -0.84 1.49	43.64 -0.87 1.65	47.66 -0.83 1.69	49.48 -1.18 1.56	76.74 -2.08 1.76	75.61 -1.89 1.83	91.13 -2.23 1.61	33.82 -0.60 -10.59	38.25 -0.60 -13.21	35.58 -0.81 -5.97	34.06 -0.81 -7.59	41.97 -0.82 -5.43	36.04 -0.65 -4.03

GOODYEAR_LAKE_HYD 323669	56.08 1.05 -20.60	16.52 -0.30 -27.69	7.83 -0.67 -33.14	14.26 -0.55 -35.25	10.99 -0.39 -25.03	13.32 -0.08 -16.01	26.13 0.10 -23.12	41.73 1.19 -8.60	58.46 2.08 -0.42	67.05 1.58 -21.48	47.06 1.66 0.00	46.66 1.49 0.00	47.68 1.53 0.00	51.80 1.62 0.00	53.95 1.72 0.00	83.12 2.53 0.00	81.71 2.38 0.00	99.01 3.01 -1.02	50.62 0.85 -25.94	58.37 0.90 -31.82	47.35 1.06 -15.86	46.49 0.89 -18.32	52.55 1.20 -13.98	43.50 0.96 -9.87
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	56.05 -0.16 -21.79	18.52 0.10 -29.29	10.58 0.17 -35.05	16.96 0.11 -37.29	12.90 0.08 -26.48	14.34 0.01 -16.93	27.37 0.01 -24.46	41.13 0.09 -9.10	56.62 0.22 -0.44	49.37 0.16 -5.22	45.51 0.12 0.00	45.39 0.22 0.00	46.32 0.17 0.00	50.24 0.06 0.00	52.17 -0.06 0.00	80.40 -0.19 0.00	79.11 -0.22 0.00	95.54 -0.52 -1.08	51.24 -0.02 -27.44	59.29 -0.02 -33.66	47.11 -0.10 -16.78	46.55 -0.11 -19.38	52.09 -0.06 -14.79	42.97 -0.13 -10.44
GOUDEY___7 23579	56.05 -0.16 -21.79	18.52 0.10 -29.29	10.58 0.17 -35.05	16.96 0.11 -37.29	12.90 0.08 -26.48	14.34 0.01 -16.93	27.37 0.01 -24.46	41.13 0.09 -9.10	56.62 0.22 -0.44	49.37 0.16 -5.22	45.51 0.12 0.00	45.39 0.22 0.00	46.32 0.17 0.00	50.24 0.06 0.00	52.17 -0.06 0.00	80.40 -0.19 0.00	79.11 -0.22 0.00	95.54 -0.52 -1.08	51.24 -0.02 -27.44	59.29 -0.02 -33.66	47.11 -0.10 -16.78	46.55 -0.11 -19.38	52.09 -0.06 -14.79	42.97 -0.13 -10.44
GOUDEY___8 23580	56.05 -0.16 -21.79	18.52 0.10 -29.29	10.58 0.17 -35.05	16.96 0.11 -37.29	12.90 0.08 -26.48	14.34 0.01 -16.93	27.37 0.01 -24.46	41.13 0.09 -9.10	56.62 0.22 -0.44	49.37 0.16 -5.22	45.51 0.12 0.00	45.39 0.22 0.00	46.32 0.17 0.00	50.24 0.06 0.00	52.17 -0.06 0.00	80.40 -0.19 0.00	79.11 -0.22 0.00	95.54 -0.52 -1.08	51.24 -0.02 -27.44	59.29 -0.02 -33.66	47.11 -0.10 -16.78	46.55 -0.11 -19.38	52.09 -0.06 -14.79	42.97 -0.13 -10.44
GOWANUS_GT1_1 24077	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT1_2 24078	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT1_3 24079	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT1_4 24080	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT1_5 24084	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT1_6 24111	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT1_7 24112	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT1_8 24113	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.84 3.52 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.43 2.16 -54.91	70.40 1.77 -35.97
GOWANUS_GT2_1 24114	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT2_2 24115	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT2_3 24116	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97

GOWANUS_GT2_4 24117	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT2_5 24118	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT2_6 24119	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT2_7 24120	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT2_8 24121	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_1 24122	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_2 24123	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_3 24124	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_4 24125	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_5 24126	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_6 24127	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_7 24128	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT3_8 24129	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.23 3.97 -1.68	82.82 3.49 0.00	102.98 4.72 -3.28	112.80 1.35 -87.62	129.06 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT4_1 24130	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT4_2 24131	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97

GOWANUS_GT4_3 24132	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT4_4 24133	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT4_5 24134	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT4_6 24135	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT4_7 24136	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GOWANUS_GT4_8 24137	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GREENBSH_115KV_TB3 55895	115.22 1.08 -79.71	95.96 -0.30 -107.13	102.94 -0.64 -128.23	115.44 -0.52 -136.41	82.86 -0.34 -96.86	59.27 -0.06 -61.94	92.62 0.08 -89.64	66.17 0.85 -33.39	59.20 1.62 -1.62	82.31 1.32 -37.00	46.75 1.37 0.00	46.50 1.33 0.00	47.41 1.25 0.00	51.64 1.46 0.00	54.01 1.78 0.00	83.38 2.79 0.00	82.00 2.68 0.00	102.36 3.43 -3.96	125.08 0.89 -100.36	149.70 0.92 -123.14	92.91 1.10 -61.38	99.12 0.96 -70.88	92.81 1.33 -54.12	72.03 1.16 -38.21
GREENDGE_115KV_TB5 80291	47.75 -0.81 -14.14	8.40 0.27 -19.00	-1.37 0.53 -22.74	4.10 0.36 -24.19	3.77 0.25 -17.18	8.65 0.04 -11.22	21.29 -0.02 -18.41	48.30 -0.22 -16.59	69.89 -0.87 -14.80	59.39 -0.69 -16.09	58.05 -0.62 -13.28	57.47 -0.48 -12.78	59.78 -0.59 -14.21	63.90 -0.83 -14.55	64.74 -0.98 -13.49	94.08 -1.70 -15.19	93.48 -1.64 -15.80	111.44 -2.28 -18.74	54.68 -0.19 -31.04	61.66 -0.24 -36.26	53.38 -0.34 -23.30	47.83 -0.41 -20.97	55.98 -0.51 -19.13	43.97 -0.51 -11.81
GREENIDGE___3 23582	47.75 -0.81 -14.14	8.40 0.27 -19.00	-1.37 0.53 -22.74	4.10 0.36 -24.19	3.77 0.25 -17.18	8.65 0.04 -11.22	21.29 -0.02 -18.41	48.30 -0.22 -16.59	69.89 -0.87 -14.80	59.39 -0.69 -16.09	58.05 -0.62 -13.28	57.47 -0.48 -12.78	59.78 -0.59 -14.21	63.90 -0.83 -14.55	64.74 -0.98 -13.49	94.08 -1.70 -15.19	93.48 -1.64 -15.80	111.44 -2.28 -18.74	54.68 -0.19 -31.04	61.66 -0.24 -36.26	53.38 -0.34 -23.30	47.83 -0.41 -20.97	55.98 -0.51 -19.13	43.97 -0.51 -11.81
GREENIDGE___4 23583	47.75 -0.81 -14.14	8.40 0.27 -19.00	-1.37 0.53 -22.74	4.10 0.36 -24.19	3.77 0.25 -17.18	8.65 0.04 -11.22	21.29 -0.02 -18.41	48.30 -0.23 -16.59	69.87 -0.89 -14.80	59.41 -0.67 -16.09	58.06 -0.60 -13.28	57.48 -0.47 -12.78	59.79 -0.58 -14.21	63.91 -0.82 -14.55	64.74 -0.98 -13.49	94.09 -1.69 -15.19	93.44 -1.68 -15.80	111.45 -2.26 -18.74	54.67 -0.19 -31.04	61.66 -0.24 -36.26	53.38 -0.34 -23.30	47.83 -0.42 -20.97	55.98 -0.51 -19.13	43.97 -0.50 -11.81
GREENLWN_69_KV_BK 3 55738	101.57 1.11 -66.03	77.43 -0.44 -88.75	80.70 -0.88 -106.22	91.94 -0.61 -113.00	66.11 -0.47 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.70 1.28 -27.48	59.94 2.65 -1.33	59.87 2.06 -13.81	47.90 2.51 0.00	47.86 2.68 0.00	48.46 2.31 0.00	52.74 2.56 0.00	54.50 2.27 0.00	83.77 3.18 0.00	82.13 2.80 0.00	101.80 3.55 -3.28	107.99 0.99 -83.17	128.78 1.10 -102.04	82.75 1.46 -50.87	87.49 1.48 -58.73	84.10 1.94 -44.81	65.89 1.46 -31.77
GREENWD_138_KV_38B11_REV_LBMP_J 345004	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
GRISSOM___SOLAR 323813	124.70 1.78 -88.50	107.52 -0.55 -118.94	116.49 -1.23 -142.36	130.01 -0.99 -151.45	93.21 -0.67 -107.54	66.02 -0.14 -68.77	102.52 0.17 -99.44	70.72 1.77 -37.02	60.55 2.80 -1.79	119.04 1.99 -73.06	47.18 1.79 0.00	46.60 1.43 0.00	47.54 1.39 0.00	52.04 1.86 0.00	54.46 2.23 0.00	84.20 3.61 0.00	83.28 3.95 0.00	104.74 5.36 -4.39	136.81 1.46 -111.52	164.01 1.54 -136.83	100.44 1.81 -68.21	107.59 1.55 -78.76	99.53 2.03 -60.13	76.83 1.71 -42.46
GROVEVILLE___HYD 323602	101.56 1.37 -65.76	77.13 -0.39 -88.39	80.34 -0.81 -105.79	91.48 -0.61 -112.54	65.83 -0.42 -79.92	48.41 -0.09 -51.11	76.73 0.14 -73.68	60.87 1.55 -27.38	60.33 3.05 -1.33	60.28 2.41 -13.88	47.89 2.50 0.00	47.56 2.38 0.00	48.38 2.22 0.00	52.58 2.40 0.00	54.76 2.53 0.00	84.47 3.89 0.00	82.87 3.54 0.00	102.84 4.59 -3.27	108.01 1.27 -82.91	128.69 1.32 -101.72	82.70 1.57 -50.71	87.24 1.41 -58.55	83.91 1.88 -44.67	65.75 1.55 -31.54
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	42.26 -0.33 -8.16	0.21 0.11 -10.97	-11.30 0.21 -13.13	-6.34 0.14 -13.97	-3.64 0.10 -9.92	3.75 0.01 -6.34	12.06 -0.01 -9.16	35.16 -0.19 -3.41	55.57 -0.56 -0.16	44.53 -0.40 -0.94	44.96 -0.43 0.00	44.78 -0.40 0.00	45.68 -0.48 0.00	49.65 -0.53 0.00	51.63 -0.59 0.00	79.67 -0.91 0.00	78.57 -0.76 0.00	94.64 -0.74 -0.40	34.06 -0.05 -10.28	38.42 -0.06 -12.83	38.04 -0.13 -7.75	34.77 -0.20 -7.69	42.66 -0.33 -5.62	36.26 -0.32 -3.91

HAMLTNNY_34_KV_TB 80303	42.53 -0.42 -8.53	0.71 0.12 -11.46	-10.68 0.24 -13.72	-5.70 0.16 -14.59	-3.19 0.11 -10.36	4.04 0.02 -6.63	12.46 -0.02 -9.57	35.26 -0.23 -3.56	55.52 -0.61 -0.17	44.51 -0.46 -0.98	44.87 -0.52 0.00	44.68 -0.49 0.00	45.59 -0.57 0.00	49.62 -0.56 0.00	51.55 -0.67 0.00	79.56 -1.02 0.00	78.42 -0.90 0.00	94.43 -0.97 -0.42	34.45 -0.12 -10.74	38.90 -0.11 -13.37	38.05 -0.21 -7.84	34.96 -0.27 -7.96	42.81 -0.41 -5.86	36.39 -0.36 -4.09
HAMPSHIRE___PAPER_HYD 323593	39.66 2.05 -3.19	-7.22 -0.64 -4.29	-20.70 -1.20 -5.14	-16.14 -1.15 -5.47	-10.44 -0.66 -3.88	-0.23 -0.11 -2.48	6.63 0.13 -3.58	34.47 1.20 -1.33	57.11 1.08 -0.06	44.64 0.28 -0.37	45.94 0.55 0.00	45.97 0.80 0.00	46.04 -0.12 0.00	49.55 -0.63 0.00	52.08 -0.15 0.00	81.85 1.27 0.00	81.09 1.76 0.00	97.99 2.85 -0.16	28.71 0.86 -4.02	36.45 1.34 -9.47	65.25 1.60 -33.23	40.97 1.79 -11.90	43.15 1.94 -3.85	35.71 1.42 -1.63
HARDSCRABBLE_WT_PWR 323673	35.85 0.34 -1.09	-9.51 -0.10 -1.46	-23.13 -0.23 -1.75	-18.62 -0.02 -1.86	-12.26 0.08 -1.32	-1.76 0.01 -0.84	4.18 0.05 -1.22	32.80 0.42 -0.45	56.68 0.70 -0.02	44.56 0.44 -0.12	45.59 0.20 0.00	44.95 -0.23 0.00	45.93 -0.23 0.00	50.00 -0.18 0.00	52.16 -0.07 0.00	80.56 -0.03 0.00	79.32 -0.01 0.00	95.50 0.47 -0.05	25.39 0.20 -1.37	27.53 0.21 -1.68	31.45 0.19 -0.83	28.41 0.16 -0.97	38.26 0.16 -0.74	33.26 0.08 -0.52
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	96.72 1.03 -61.26	71.18 -0.29 -82.34	73.30 -0.62 -98.55	83.94 -0.45 -104.85	60.47 -0.32 -74.45	44.93 -0.07 -47.61	71.67 0.12 -68.64	58.74 1.29 -25.51	59.66 2.46 -1.24	58.64 1.92 -12.73	47.38 1.99 0.00	47.02 1.85 0.00	47.86 1.71 0.00	52.02 1.84 0.00	54.24 2.01 0.00	83.69 3.10 0.00	82.10 2.78 0.00	101.72 3.70 -3.04	102.05 1.05 -77.17	121.42 1.09 -94.69	78.91 1.28 -47.20	82.93 1.16 -54.50	80.46 1.53 -41.58	63.26 1.25 -29.36
HARSNRAD_115KV_TB1 81005	42.94 -2.81 -11.32	5.03 0.68 -15.22	-5.27 1.15 -18.22	-0.33 0.74 -19.38	0.60 0.50 -13.76	6.12 0.10 -8.63	13.69 -0.18 -10.96	27.44 -1.89 2.61	43.05 -3.19 9.72	34.29 -2.20 7.50	33.68 -2.61 9.10	33.87 -2.55 8.75	33.72 -2.71 9.73	37.25 -2.97 9.96	39.34 -3.65 9.23	64.11 -6.07 10.40	62.73 -5.79 10.81	76.02 -7.17 11.78	27.12 -1.93 -5.22	31.31 -1.99 -7.65	28.23 -2.43 -0.23	29.42 -2.19 -4.33	36.10 -2.43 -1.17	32.71 -1.94 -1.98
HARZA MOOSE___RIVER 24016	38.50 0.95 -3.12	-6.95 -0.27 -4.19	-19.93 -0.31 -5.02	-15.50 -0.39 -5.34	-10.13 -0.26 -3.79	-0.23 -0.05 -2.43	6.50 0.09 -3.50	34.01 0.77 -1.30	56.85 0.82 -0.06	44.57 0.23 -0.36	45.98 0.59 0.00	46.12 0.95 0.00	46.41 0.25 0.00	50.14 -0.04 0.00	52.46 0.24 0.00	81.75 1.16 0.00	80.81 1.49 0.00	97.05 1.91 -0.15	28.37 0.61 -3.93	32.46 0.71 -6.10	42.33 0.85 -11.07	33.46 0.84 -5.34	40.77 0.81 -2.59	34.64 0.48 -1.50
HDSNBRDG_115KV_BRDG_TB1 355580	41.26 -0.68 -7.51	-0.56 0.22 -10.10	-12.10 0.46 -12.08	-7.25 0.34 -12.85	-4.30 0.23 -9.13	3.27 0.04 -5.84	11.29 -0.05 -8.43	34.53 -0.55 -3.14	54.97 -1.14 -0.15	44.00 -0.85 -0.86	44.51 -0.88 0.00	44.32 -0.85 0.00	45.23 -0.93 0.00	49.17 -1.01 0.00	51.13 -1.10 0.00	78.86 -1.73 0.00	77.68 -1.64 0.00	93.43 -1.91 -0.37	32.94 -0.35 -9.46	37.10 -0.37 -11.83	37.20 -0.51 -7.29	33.87 -0.53 -7.13	41.79 -0.75 -5.18	35.58 -0.69 -3.60
HELLGATE_13_KV_LD 55870	101.68 1.21 -66.04	77.56 -0.34 -88.76	80.95 -0.66 -106.24	92.17 -0.40 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.91 1.48 -27.49	60.34 3.04 -1.33	60.22 2.42 -13.82	47.94 2.55 0.00	47.58 2.41 0.00	48.41 2.25 0.00	52.59 2.41 0.00	54.70 2.47 0.00	84.10 3.52 0.00	82.39 3.07 0.00	102.36 4.11 -3.28	108.21 1.20 -83.19	128.91 1.20 -102.06	82.74 1.44 -50.88	87.39 1.37 -58.74	84.07 1.90 -44.82	65.84 1.53 -31.64
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	101.68 1.21 -66.04	77.56 -0.34 -88.76	80.95 -0.66 -106.24	92.17 -0.40 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.91 1.48 -27.49	60.34 3.04 -1.33	60.22 2.42 -13.82	47.94 2.55 0.00	47.58 2.41 0.00	48.41 2.25 0.00	52.59 2.41 0.00	54.70 2.47 0.00	84.10 3.52 0.00	82.39 3.07 0.00	102.36 4.11 -3.28	108.21 1.20 -83.19	128.91 1.20 -102.06	82.74 1.44 -50.88	87.39 1.37 -58.74	84.07 1.90 -44.82	65.84 1.53 -31.64
HEMPSTEAD____ 23647	101.73 1.27 -66.03	77.44 -0.43 -88.75	80.72 -0.86 -106.22	91.95 -0.60 -113.00	66.12 -0.46 -80.24	48.62 -0.08 -51.31	77.00 0.12 -73.97	60.77 1.35 -27.48	60.21 2.92 -1.33	60.07 2.27 -13.81	47.96 2.57 0.00	47.82 2.65 0.00	48.44 2.28 0.00	52.82 2.63 0.00	54.76 2.53 0.00	84.15 3.56 0.00	82.52 3.20 0.00	102.26 4.01 -3.28	108.14 1.14 -83.17	128.96 1.27 -102.04	82.86 1.57 -50.87	87.51 1.50 -58.73	84.13 1.96 -44.81	66.35 1.48 -32.21
HEWLETT_69_KV_BK3 55828	101.91 1.45 -66.03	77.38 -0.49 -88.75	80.57 -1.01 -106.22	91.83 -0.73 -113.00	66.05 -0.54 -80.24	48.60 -0.10 -51.31	77.02 0.15 -73.97	61.02 1.60 -27.48	60.56 3.27 -1.33	60.40 2.60 -13.81	48.29 2.90 0.00	48.13 2.96 0.00	48.76 2.61 0.00	53.18 3.00 0.00	55.13 2.90 0.00	84.82 4.24 0.00	83.24 3.91 0.00	103.19 4.93 -3.28	108.35 1.35 -83.17	129.16 1.47 -102.04	83.13 1.84 -50.87	87.75 1.74 -58.73	84.46 2.30 -44.81	68.17 1.80 -33.71
HICKLING___1 23621	51.30 -0.68 -17.55	13.04 0.33 -23.59	4.23 0.64 -28.23	10.04 0.46 -30.03	8.00 0.34 -21.33	11.17 0.06 -13.72	23.40 -0.03 -20.52	42.43 -0.31 -10.80	60.50 -0.53 -5.07	51.67 -0.54 -8.21	49.11 -0.60 -4.31	48.97 -0.35 -4.15	50.29 -0.48 -4.61	54.25 -0.65 -4.72	55.76 -0.85 -4.37	84.11 -1.40 -4.92	83.17 -1.28 -5.12	99.60 -2.10 -6.72	49.87 -0.34 -26.39	57.04 -0.38 -31.78	47.38 -0.58 -17.54	45.05 -0.55 -18.33	51.74 -0.63 -15.00	42.00 -0.70 -10.04
HICKLING___2 23622	51.30 -0.68 -17.55	13.04 0.33 -23.59	4.23 0.64 -28.23	10.04 0.46 -30.03	8.00 0.34 -21.33	11.17 0.06 -13.72	23.40 -0.03 -20.52	42.43 -0.31 -10.80	60.50 -0.53 -5.07	51.67 -0.54 -8.21	49.11 -0.60 -4.31	48.97 -0.35 -4.15	50.29 -0.48 -4.61	54.25 -0.65 -4.72	55.76 -0.85 -4.37	84.11 -1.40 -4.92	83.17 -1.28 -5.12	99.60 -2.10 -6.72	49.87 -0.34 -26.39	57.04 -0.38 -31.78	47.38 -0.58 -17.54	45.05 -0.55 -18.33	51.74 -0.63 -15.00	42.00 -0.70 -10.04
HIGH FALLS___HY 23754	101.29 1.44 -65.42	76.66 -0.41 -87.93	79.75 -0.86 -105.25	90.86 -0.66 -111.96	65.38 -0.46 -79.51	48.14 -0.10 -50.84	76.42 0.15 -73.37	60.86 1.65 -27.28	60.43 3.15 -1.32	62.03 2.46 -15.58	47.96 2.57 0.00	47.62 2.45 0.00	48.35 2.19 0.00	52.47 2.29 0.00	54.76 2.53 0.00	84.64 4.05 0.00	83.05 3.72 0.00	103.13 4.90 -3.25	107.65 1.37 -82.45	128.24 1.44 -101.16	82.56 1.72 -50.43	87.02 1.52 -58.22	83.81 2.02 -44.43	65.68 1.65 -31.37
HIGH_RIVER___SOLAR 323847	121.21 1.20 -85.58	103.79 -0.36 -115.02	112.23 -0.80 -137.67	125.37 -0.64 -146.46	89.91 -0.43 -104.00	63.81 -0.09 -66.50	99.19 0.11 -96.17	68.83 1.09 -35.80	59.49 1.80 -1.73	121.54 1.28 -76.27	46.52 1.13 0.00	46.03 0.86 0.00	46.85 0.69 0.00	51.22 1.04 0.00	53.66 1.43 0.00	82.93 2.34 0.00	81.97 2.64 0.00	102.83 3.61 -4.24	132.45 0.97 -107.65	158.74 1.02 -132.07	97.47 1.21 -65.84	104.34 1.04 -76.02	96.80 1.39 -58.05	74.82 1.17 -40.99

HILLBURN___GT 23639	97.37 0.88 -62.07	72.31 -0.25 -83.42	74.70 -0.51 -99.85	85.41 -0.37 -106.22	61.50 -0.27 -75.43	45.57 -0.06 -48.24	72.56 0.11 -69.55	58.96 1.18 -25.85	59.46 2.24 -1.25	58.65 1.75 -12.91	47.22 1.83 0.00	46.88 1.71 0.00	47.74 1.58 0.00	51.89 1.72 0.00	54.05 1.83 0.00	83.34 2.76 0.00	81.66 2.33 0.00	101.21 3.15 -3.08	102.93 0.91 -78.19	122.52 0.95 -95.93	79.38 1.13 -47.82	83.52 1.03 -55.21	80.84 1.36 -42.12	63.51 1.10 -29.74
HILLSIDE_115KV_TB1 80332	51.66 -0.84 -18.08	13.80 0.38 -24.29	5.17 0.73 -29.08	11.04 0.55 -30.94	8.69 0.38 -21.97	11.58 0.07 -14.12	23.89 -0.04 -21.03	42.14 -0.43 -10.65	59.86 -0.67 -4.57	51.27 -0.61 -7.89	48.52 -0.71 -3.85	48.43 -0.44 -3.70	49.73 -0.53 -4.11	53.61 -0.78 -4.20	55.11 -1.02 -3.90	83.27 -1.71 -4.39	82.26 -1.63 -4.56	98.42 -2.67 -6.11	49.90 -0.51 -26.59	57.19 -0.54 -32.09	47.16 -0.77 -17.51	45.10 -0.67 -18.50	51.62 -0.76 -15.02	41.96 -0.82 -10.12
HISHELDN_WT_PWR 323625	45.12 -2.80 -13.49	8.10 0.84 -18.13	-1.10 1.84 -21.70	4.03 1.39 -23.09	3.72 0.98 -16.39	7.26 0.19 -9.68	9.17 -0.23 -6.50	-1.30 -2.53 30.70	2.43 -4.44 49.09	0.05 -3.38 40.56	-3.44 -3.69 45.14	-1.82 -3.55 43.45	-5.83 -3.67 48.31	-3.38 -4.09 49.46	1.68 -4.68 45.87	21.46 -7.48 51.64	18.50 -7.13 53.70	25.51 -8.82 60.65	-6.26 -2.10 27.99	-4.77 -2.27 28.14	-4.19 -2.81 31.80	8.15 -2.59 16.53	10.94 -3.17 23.24	19.29 -2.72 10.66
HOLTSVILLE_IC_1 23690	101.62 1.16 -66.03	77.34 -0.54 -88.75	80.47 -1.11 -106.22	91.76 -0.79 -113.00	66.00 -0.58 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.62 1.20 -27.48	59.86 2.57 -1.33	59.74 1.94 -13.81	47.92 2.53 0.00	47.85 2.68 0.00	48.37 2.22 0.00	52.94 2.75 0.00	54.84 2.62 0.00	84.28 3.69 0.00	82.41 3.08 0.00	101.96 3.71 -3.28	108.04 1.04 -83.17	128.87 1.18 -102.04	82.78 1.49 -50.87	87.48 1.47 -58.73	84.03 1.87 -44.81	65.79 1.37 -31.75
HOLTSVILLE_IC_10 23699	101.76 1.31 -66.03	77.29 -0.58 -88.75	80.37 -1.21 -106.22	91.68 -0.87 -113.00	65.94 -0.64 -80.24	48.61 -0.09 -51.31	77.01 0.14 -73.97	60.79 1.37 -27.48	60.14 2.85 -1.33	59.94 2.13 -13.81	48.12 2.73 0.00	48.03 2.86 0.00	48.56 2.40 0.00	53.16 2.98 0.00	55.10 2.88 0.00	84.68 4.09 0.00	82.81 3.49 0.00	102.51 4.26 -3.28	108.19 1.20 -83.17	129.03 1.34 -102.04	82.93 1.64 -50.87	87.61 1.60 -58.73	84.21 2.04 -44.81	65.92 1.50 -31.76
HOLTSVILLE_IC_2 23691	101.62 1.16 -66.03	77.34 -0.54 -88.75	80.47 -1.11 -106.22	91.76 -0.79 -113.00	66.00 -0.58 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.62 1.20 -27.48	59.86 2.57 -1.33	59.74 1.94 -13.81	47.92 2.53 0.00	47.85 2.68 0.00	48.37 2.22 0.00	52.94 2.75 0.00	54.84 2.62 0.00	84.28 3.69 0.00	82.41 3.08 0.00	101.96 3.71 -3.28	108.04 1.04 -83.17	128.87 1.18 -102.04	82.78 1.49 -50.87	87.48 1.47 -58.73	84.03 1.87 -44.81	65.79 1.37 -31.75
HOLTSVILLE_IC_3 23692	101.62 1.16 -66.03	77.34 -0.54 -88.75	80.47 -1.11 -106.22	91.76 -0.79 -113.00	66.00 -0.58 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.62 1.20 -27.48	59.86 2.57 -1.33	59.74 1.94 -13.81	47.92 2.53 0.00	47.85 2.68 0.00	48.37 2.22 0.00	52.94 2.75 0.00	54.84 2.62 0.00	84.28 3.69 0.00	82.41 3.08 0.00	101.96 3.71 -3.28	108.04 1.04 -83.17	128.87 1.18 -102.04	82.78 1.49 -50.87	87.48 1.47 -58.73	84.03 1.87 -44.81	65.79 1.37 -31.75
HOLTSVILLE_IC_4 23693	101.62 1.16 -66.03	77.34 -0.54 -88.75	80.47 -1.11 -106.22	91.76 -0.79 -113.00	66.00 -0.58 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.62 1.20 -27.48	59.86 2.57 -1.33	59.74 1.94 -13.81	47.92 2.53 0.00	47.85 2.68 0.00	48.37 2.22 0.00	52.94 2.75 0.00	54.84 2.62 0.00	84.28 3.69 0.00	82.41 3.08 0.00	101.96 3.71 -3.28	108.04 1.04 -83.17	128.87 1.18 -102.04	82.78 1.49 -50.87	87.48 1.47 -58.73	84.03 1.87 -44.81	65.79 1.37 -31.75
HOLTSVILLE_IC_5 23694	101.62 1.16 -66.03	77.34 -0.54 -88.75	80.47 -1.11 -106.22	91.76 -0.79 -113.00	66.00 -0.58 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.62 1.20 -27.48	59.86 2.57 -1.33	59.74 1.94 -13.81	47.92 2.53 0.00	47.85 2.68 0.00	48.37 2.22 0.00	52.94 2.75 0.00	54.84 2.62 0.00	84.28 3.69 0.00	82.41 3.08 0.00	101.96 3.71 -3.28	108.04 1.04 -83.17	128.87 1.18 -102.04	82.78 1.49 -50.87	87.48 1.47 -58.73	84.03 1.87 -44.81	65.79 1.37 -31.75
HOLTSVILLE_IC_6 23695	101.76 1.31 -66.03	77.29 -0.58 -88.75	80.37 -1.21 -106.22	91.68 -0.87 -113.00	65.94 -0.64 -80.24	48.61 -0.09 -51.31	77.01 0.14 -73.97	60.79 1.37 -27.48	60.14 2.85 -1.33	59.94 2.13 -13.81	48.12 2.73 0.00	48.03 2.86 0.00	48.56 2.40 0.00	53.16 2.98 0.00	55.10 2.88 0.00	84.68 4.09 0.00	82.81 3.49 0.00	102.51 4.26 -3.28	108.19 1.20 -83.17	129.03 1.34 -102.04	82.93 1.64 -50.87	87.61 1.60 -58.73	84.21 2.04 -44.81	65.92 1.50 -31.76
HOLTSVILLE_IC_7 23696	101.76 1.31 -66.03	77.29 -0.58 -88.75	80.37 -1.21 -106.22	91.68 -0.87 -113.00	65.94 -0.64 -80.24	48.61 -0.09 -51.31	77.01 0.14 -73.97	60.79 1.37 -27.48	60.14 2.85 -1.33	59.94 2.13 -13.81	48.12 2.73 0.00	48.03 2.86 0.00	48.56 2.40 0.00	53.16 2.98 0.00	55.10 2.88 0.00	84.68 4.09 0.00	82.81 3.49 0.00	102.51 4.26 -3.28	108.19 1.20 -83.17	129.03 1.34 -102.04	82.93 1.64 -50.87	87.61 1.60 -58.73	84.21 2.04 -44.81	65.92 1.50 -31.76
HOLTSVILLE_IC_8 23697	101.76 1.31 -66.03	77.29 -0.58 -88.75	80.37 -1.21 -106.22	91.68 -0.87 -113.00	65.94 -0.64 -80.24	48.61 -0.09 -51.31	77.01 0.14 -73.97	60.79 1.37 -27.48	60.14 2.85 -1.33	59.94 2.13 -13.81	48.12 2.73 0.00	48.03 2.86 0.00	48.56 2.40 0.00	53.16 2.98 0.00	55.10 2.88 0.00	84.68 4.09 0.00	82.81 3.49 0.00	102.51 4.26 -3.28	108.19 1.20 -83.17	129.03 1.34 -102.04	82.93 1.64 -50.87	87.61 1.60 -58.73	84.21 2.04 -44.81	65.92 1.50 -31.76
HOLTSVILLE_IC_9 23698	101.76 1.31 -66.03	77.29 -0.58 -88.75	80.37 -1.21 -106.22	91.68 -0.87 -113.00	65.94 -0.64 -80.24	48.61 -0.09 -51.31	77.01 0.14 -73.97	60.79 1.37 -27.48	60.14 2.85 -1.33	59.94 2.13 -13.81	48.12 2.73 0.00	48.03 2.86 0.00	48.56 2.40 0.00	53.16 2.98 0.00	55.10 2.88 0.00	84.68 4.09 0.00	82.81 3.49 0.00	102.51 4.26 -3.28	108.19 1.20 -83.17	129.03 1.34 -102.04	82.93 1.64 -50.87	87.61 1.60 -58.73	84.21 2.04 -44.81	65.92 1.50 -31.76
HOMER_HL_115KV_TB2 355744	47.12 -0.82 -13.51	7.48 0.19 -18.16	-2.72 0.19 -21.74	2.69 0.01 -23.12	2.78 0.02 -16.42	7.89 0.00 -10.50	18.03 -0.04 -15.16	37.52 -0.06 -5.64	56.47 0.24 -0.27	47.46 0.39 -3.08	45.61 0.22 0.00	45.63 0.46 0.00	46.51 0.36 0.00	50.44 0.26 0.00	52.01 -0.22 0.00	79.86 -0.73 0.00	78.28 -1.05 0.00	93.86 -1.78 -0.67	40.39 -0.45 -17.02	46.09 -0.44 -20.89	40.15 -0.68 -10.41	38.68 -0.62 -12.02	46.27 -0.27 -9.17	38.93 -0.21 -6.48
HOWARD_WT_PWR 323690	47.10 -2.30 -14.97	10.15 0.90 -20.12	1.50 2.05 -24.08	6.77 1.59 -25.62	5.65 1.11 -18.19	9.75 0.21 -12.14	24.98 -0.19 -22.27	58.91 -2.24 -29.21	83.01 -4.45 -31.50	71.26 -3.75 -31.02	69.92 -4.00 -28.53	68.74 -3.89 -27.46	72.67 -4.03 -30.54	77.03 -4.42 -31.27	76.58 -4.64 -28.99	105.85 -7.38 -32.64	106.32 -6.95 -33.95	126.12 -8.36 -39.50	69.25 -1.87 -47.29	77.67 -2.08 -54.11	66.02 -2.61 -38.20	56.16 -2.47 -31.36	64.97 -3.04 -30.65	47.95 -2.71 -18.00

HQ_GEN_CEDARS 23644	41.08 4.04 -2.61	-8.66 -1.30 -3.51	-23.29 -2.86 -4.20	-18.49 -2.51 -4.47	-11.96 -1.48 -3.18	-0.82 -0.25 -2.03	6.10 0.26 -2.93	35.71 2.68 -1.09	59.79 3.78 -0.05	46.78 2.49 -0.30	48.00 2.61 0.00	47.87 2.70 0.00	48.08 1.93 0.00	51.76 1.58 0.00	54.50 2.28 0.00	85.66 5.08 0.00	84.78 5.45 0.00	102.73 7.62 -0.13	29.13 2.01 -3.29	39.17 2.84 -10.69	80.96 3.38 -47.15	46.51 3.61 -15.62	46.04 4.44 -4.23	37.69 3.64 -1.39
HQ_GEN_CEDARS_PROXY 323590	41.08 4.04 -2.61	-8.66 -1.30 -3.51	-23.29 -2.86 -4.20	-18.49 -2.51 -4.47	-11.96 -1.48 -3.18	-0.82 -0.25 -2.03	6.97 0.26 -3.81	35.71 2.68 -1.09	59.79 3.78 -0.05	46.78 2.49 -0.30	48.00 2.61 0.00	47.88 2.71 0.00	48.08 1.92 0.00	51.76 1.58 0.00	54.51 2.29 0.00	85.67 5.08 0.00	84.78 5.45 0.00	102.74 7.63 -0.13	29.05 2.01 -3.21	39.17 2.84 -10.69	80.95 3.38 -47.15	46.51 3.61 -15.62	46.04 4.44 -4.23	37.69 3.64 -1.39
HQ_GEN_IMPORT 323601	34.40 -0.02 0.00	-10.90 -0.03 0.00	-24.74 -0.10 0.00	-20.55 -0.10 0.00	-13.74 -0.08 0.00	-2.62 -0.01 0.00	2.91 0.00 0.00	33.17 0.03 -1.21	56.05 0.09 0.00	44.04 0.05 0.00	45.43 0.04 0.00	45.24 0.07 0.00	46.41 0.25 0.00	50.43 0.25 0.00	52.39 0.16 0.00	80.86 0.28 0.00	79.70 0.38 0.00	94.78 0.24 0.44	14.68 -0.08 9.07	25.30 -0.06 0.27	28.52 -0.05 1.85	20.12 0.01 7.17	37.34 0.02 0.03	32.70 0.04 0.00
HQ_GEN_WHEEL 23651	34.40 -0.02 0.00	-10.90 -0.03 0.00	-24.74 -0.10 0.00	-20.55 -0.10 0.00	-13.74 -0.08 0.00	-2.62 -0.01 0.00	2.91 0.00 0.00	33.17 0.03 -1.21	56.05 0.09 0.00	44.04 0.05 0.00	45.43 0.04 0.00	45.24 0.07 0.00	46.41 0.25 0.00	50.43 0.25 0.00	52.39 0.16 0.00	80.86 0.28 0.00	79.70 0.38 0.00	94.78 0.24 0.44	14.68 -0.08 9.07	25.30 -0.06 0.27	28.52 -0.05 1.85	20.12 0.01 7.17	37.34 0.02 0.03	32.70 0.04 0.00
HUDSON AVE_GT_3 23810	101.64 1.18 -66.04	77.57 -0.32 -88.76	80.97 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.25	48.64 -0.07 -51.32	77.02 0.13 -73.98	60.86 1.44 -27.49	60.23 2.93 -1.33	60.16 2.35 -13.82	47.81 2.42 0.00	47.46 2.29 0.00	48.27 2.12 0.00	52.41 2.23 0.00	54.54 2.31 0.00	83.95 3.37 0.00	82.23 2.90 0.00	102.13 3.88 -3.28	108.14 1.12 -83.18	128.84 1.14 -102.06	82.68 1.38 -50.88	87.34 1.32 -58.74	84.00 1.83 -44.81	65.79 1.49 -31.64
HUDSON AVE_GT_4 23540	101.64 1.18 -66.04	77.57 -0.32 -88.76	80.97 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.25	48.64 -0.07 -51.32	77.02 0.13 -73.98	60.86 1.44 -27.49	60.23 2.93 -1.33	60.16 2.35 -13.82	47.81 2.42 0.00	47.46 2.29 0.00	48.27 2.12 0.00	52.41 2.23 0.00	54.54 2.31 0.00	83.95 3.37 0.00	82.23 2.90 0.00	102.13 3.88 -3.28	108.14 1.12 -83.18	128.84 1.14 -102.06	82.68 1.38 -50.88	87.34 1.32 -58.74	84.00 1.83 -44.81	65.79 1.49 -31.64
HUDSON AVE_GT_5 23657	101.64 1.18 -66.04	77.57 -0.32 -88.76	80.97 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.25	48.64 -0.07 -51.32	77.02 0.13 -73.98	60.86 1.44 -27.49	60.23 2.93 -1.33	60.16 2.35 -13.82	47.81 2.42 0.00	47.46 2.29 0.00	48.27 2.12 0.00	52.41 2.23 0.00	54.54 2.31 0.00	83.95 3.37 0.00	82.23 2.90 0.00	102.13 3.88 -3.28	108.14 1.12 -83.18	128.84 1.14 -102.06	82.68 1.38 -50.88	87.34 1.32 -58.74	84.00 1.83 -44.81	65.79 1.49 -31.64
HUDSON_AVE_10 24168	101.54 1.08 -66.04	77.60 -0.29 -88.76	81.06 -0.54 -106.24	92.27 -0.30 -113.02	66.33 -0.26 -80.25	48.65 -0.07 -51.32	77.01 0.13 -73.98	60.77 1.34 -27.49	60.01 2.71 -1.33	60.00 2.19 -13.82	47.64 2.25 0.00	47.30 2.14 0.00	48.11 1.95 0.00	52.21 2.03 0.00	54.36 2.13 0.00	83.70 3.11 0.00	81.95 2.63 0.00	101.77 3.52 -3.28	108.06 1.05 -83.18	128.77 1.06 -102.06	82.57 1.27 -50.88	87.25 1.23 -58.74	83.91 1.74 -44.81	65.72 1.42 -31.64
HUDSON___115KV_TB 4 355613	114.16 1.67 -78.06	93.57 -0.48 -104.92	99.89 -1.05 -125.58	112.29 -0.86 -133.59	80.63 -0.57 -94.86	57.94 -0.12 -60.66	90.80 0.14 -87.75	66.20 1.58 -32.68	60.41 2.87 -1.58	78.15 2.28 -31.88	47.70 2.31 0.00	47.39 2.22 0.00	48.28 2.13 0.00	52.69 2.51 0.00	55.14 2.91 0.00	85.24 4.66 0.00	84.03 4.70 0.00	104.85 6.00 -3.87	123.63 1.50 -98.30	147.83 1.58 -120.61	92.40 1.85 -60.12	98.32 1.62 -69.42	92.52 2.15 -53.00	71.94 1.85 -37.42
HUNTER MOUNT___DRP 323613	112.53 1.85 -76.26	91.09 -0.53 -102.50	96.86 -1.17 -122.67	109.09 -0.97 -130.50	78.37 -0.64 -92.67	56.53 -0.13 -59.26	88.75 0.15 -85.69	65.60 1.76 -31.90	60.77 3.26 -1.55	75.08 2.56 -28.53	47.95 2.56 0.00	47.65 2.48 0.00	48.56 2.40 0.00	53.05 2.87 0.00	55.49 3.27 0.00	85.81 5.22 0.00	84.67 5.34 0.00	105.56 6.79 -3.78	121.54 1.67 -96.04	145.23 1.76 -117.83	91.21 2.05 -58.74	96.88 1.78 -67.82	91.52 2.38 -51.78	71.26 2.04 -36.56
HUNTINGTON_RES_REC 323705	101.67 1.22 -66.03	77.37 -0.50 -88.75	80.54 -1.04 -106.22	91.82 -0.73 -113.00	66.03 -0.55 -80.24	48.62 -0.09 -51.31	77.00 0.13 -73.97	60.75 1.33 -27.48	60.05 2.76 -1.33	59.90 2.09 -13.81	47.98 2.59 0.00	47.92 2.75 0.00	48.52 2.37 0.00	52.92 2.75 0.00	54.76 2.54 0.00	84.18 3.59 0.00	82.36 3.04 0.00	101.98 3.73 -3.28	108.07 1.07 -83.17	128.88 1.19 -102.04	82.82 1.53 -50.87	87.55 1.54 -58.73	84.14 1.97 -44.81	65.89 1.47 -31.76
HUNTLEY___63 23557	43.60 -2.40 -11.58	5.24 0.56 -15.56	-5.14 0.88 -18.62	-0.12 0.52 -19.81	0.75 0.35 -14.07	6.34 0.07 -8.88	14.48 -0.14 -11.71	29.90 -1.45 0.59	46.48 -2.34 7.15	37.29 -1.51 5.20	36.72 -1.92 6.75	36.85 -1.82 6.49	36.96 -1.98 7.21	40.57 -2.23 7.38	42.54 -2.84 6.85	68.04 -4.84 7.71	66.68 -4.64 8.02	80.55 -5.84 8.58	30.11 -1.60 -7.88	34.61 -1.63 -10.60	31.04 -2.01 -2.63	31.51 -1.81 -6.05	38.50 -1.90 -3.03	34.16 -1.50 -3.00
HUNTLEY___64 23558	43.60 -2.40 -11.58	5.24 0.56 -15.56	-5.14 0.88 -18.62	-0.12 0.52 -19.81	0.75 0.35 -14.07	6.34 0.07 -8.88	14.48 -0.14 -11.71	29.90 -1.45 0.59	46.48 -2.34 7.15	37.29 -1.51 5.20	36.72 -1.92 6.75	36.85 -1.82 6.49	36.96 -1.98 7.21	40.57 -2.23 7.38	42.54 -2.84 6.85	68.04 -4.84 7.71	66.68 -4.64 8.02	80.55 -5.84 8.58	30.11 -1.60 -7.88	34.61 -1.63 -10.60	31.04 -2.01 -2.63	31.51 -1.81 -6.05	38.50 -1.90 -3.03	34.16 -1.50 -3.00
HUNTLEY___65 23559	43.60 -2.40 -11.58	5.24 0.56 -15.56	-5.14 0.88 -18.62	-0.12 0.52 -19.81	0.75 0.35 -14.07	6.34 0.07 -8.88	14.48 -0.14 -11.71	29.90 -1.45 0.59	46.48 -2.34 7.15	37.29 -1.51 5.20	36.72 -1.92 6.75	36.85 -1.82 6.49	36.96 -1.98 7.21	40.57 -2.23 7.38	42.54 -2.84 6.85	68.04 -4.84 7.71	66.68 -4.64 8.02	80.55 -5.84 8.58	30.11 -1.60 -7.88	34.61 -1.63 -10.60	31.04 -2.01 -2.63	31.51 -1.81 -6.05	38.50 -1.90 -3.03	34.16 -1.50 -3.00
HUNTLEY___66 23560	43.60 -2.40 -11.58	5.24 0.56 -15.56	-5.14 0.88 -18.62	-0.12 0.52 -19.81	0.75 0.35 -14.07	6.34 0.07 -8.88	14.48 -0.14 -11.71	29.90 -1.45 0.59	46.48 -2.34 7.15	37.29 -1.51 5.20	36.72 -1.92 6.75	36.85 -1.82 6.49	36.96 -1.98 7.21	40.57 -2.23 7.38	42.54 -2.84 6.85	68.04 -4.84 7.71	66.68 -4.64 8.02	80.55 -5.84 8.58	30.11 -1.60 -7.88	34.61 -1.63 -10.60	31.04 -2.01 -2.63	31.51 -1.81 -6.05	38.50 -1.90 -3.03	34.16 -1.50 -3.00

HUNTLEY___67 23561	43.68 -2.45 -11.71	5.45 0.59 -15.73	-4.81 1.00 -18.83	0.20 0.62 -20.03	0.98 0.42 -14.22	6.45 0.08 -8.98	14.67 -0.14 -11.90	30.18 -1.47 0.30	46.77 -2.39 6.80	37.55 -1.56 4.88	37.01 -1.94 6.44	37.11 -1.87 6.19	37.25 -2.04 6.87	40.86 -2.29 7.04	42.77 -2.93 6.52	68.27 -4.97 7.34	66.96 -4.73 7.64	80.80 -6.03 8.14	30.53 -1.66 -8.36	35.10 -1.69 -11.14	31.37 -2.08 -3.03	31.79 -1.85 -6.36	38.75 -1.96 -3.34	34.30 -1.54 -3.18
HUNTLEY___68 23562	43.68 -2.45 -11.71	5.45 0.59 -15.73	-4.81 1.00 -18.83	0.20 0.62 -20.03	0.98 0.42 -14.22	6.45 0.08 -8.98	14.67 -0.14 -11.90	30.18 -1.47 0.30	46.77 -2.39 6.80	37.55 -1.56 4.88	37.01 -1.94 6.44	37.11 -1.87 6.19	37.25 -2.04 6.87	40.86 -2.29 7.04	42.77 -2.93 6.52	68.27 -4.97 7.34	66.96 -4.73 7.64	80.80 -6.03 8.14	30.53 -1.66 -8.36	35.10 -1.69 -11.14	31.37 -2.08 -3.03	31.79 -1.85 -6.36	38.75 -1.96 -3.34	34.30 -1.54 -3.18
HYLAND___LFG 323620	46.66 -0.51 -12.74	6.39 0.13 -17.13	-3.92 0.22 -20.50	1.32 -0.05 -21.81	1.87 0.04 -15.49	7.85 0.00 -10.46	23.22 0.03 -20.28	62.72 0.33 -30.46	90.59 0.23 -34.40	77.09 0.01 -33.10	75.62 -1.00 -31.23	74.07 -1.16 -30.06	78.34 -1.25 -33.43	83.66 -0.75 -34.23	83.23 -0.74 -31.74	115.23 -1.09 -35.74	115.95 -0.54 -37.16	137.85 -0.19 -43.06	71.28 0.27 -47.19	79.52 0.27 -53.61	69.63 0.19 -39.02	58.42 0.06 -31.09	68.66 0.22 -31.08	50.69 0.07 -17.96
INDECK___CORINTH 23802	119.74 3.14 -82.17	98.65 -0.93 -110.45	105.48 -2.08 -132.19	118.48 -1.71 -140.63	85.08 -1.12 -99.86	61.03 -0.22 -63.86	95.50 0.29 -92.30	69.70 3.40 -34.35	63.82 6.20 -1.66	119.11 4.74 -70.38	49.70 4.31 0.00	49.73 4.56 0.00	50.51 4.36 0.00	54.94 4.76 0.00	57.48 5.25 0.00	89.19 8.60 0.00	88.02 8.69 0.00	109.83 10.78 -4.08	129.97 2.55 -103.58	155.49 2.76 -127.09	96.89 3.12 -63.35	103.20 2.77 -73.16	96.83 3.59 -55.87	75.31 3.20 -39.45
INDECK___ILION 23567	35.87 0.36 -1.09	-9.51 -0.10 -1.46	-23.08 -0.19 -1.75	-18.67 -0.07 -1.86	-12.36 -0.02 -1.32	-1.77 -0.01 -0.84	4.17 0.04 -1.22	32.74 0.36 -0.45	56.63 0.64 -0.02	44.56 0.44 -0.12	45.73 0.34 0.00	45.32 0.14 0.00	46.28 0.13 0.00	50.35 0.17 0.00	52.51 0.28 0.00	81.08 0.49 0.00	79.79 0.46 0.00	95.90 0.87 -0.05	25.47 0.27 -1.37	27.61 0.28 -1.68	31.57 0.31 -0.83	28.51 0.27 -0.97	38.43 0.33 -0.74	33.42 0.24 -0.52
INDECK___OLEAN 23982	47.12 -0.82 -13.51	7.48 0.19 -18.16	-2.71 0.19 -21.74	2.68 0.01 -23.12	2.78 0.02 -16.42	7.89 0.00 -10.50	18.03 -0.04 -15.16	37.52 -0.06 -5.64	56.49 0.26 -0.27	47.50 0.42 -3.08	45.66 0.27 0.00	45.71 0.54 0.00	46.56 0.40 0.00	50.48 0.30 0.00	52.07 -0.15 0.00	79.91 -0.67 0.00	78.32 -1.01 0.00	93.95 -1.70 -0.67	40.39 -0.45 -17.02	46.09 -0.44 -20.89	40.14 -0.69 -10.41	38.69 -0.60 -12.02	46.29 -0.25 -9.17	38.95 -0.19 -6.48
INDECK___OSWEGO 23783	41.46 0.02 -7.01	-1.45 0.00 -9.42	-13.31 0.05 -11.27	-8.48 -0.02 -12.00	-5.15 -0.01 -8.52	2.83 -0.01 -5.45	10.80 0.02 -7.87	35.02 0.16 -2.93	56.03 -0.07 -0.14	44.67 -0.13 -0.80	45.34 -0.05 0.00	45.20 0.03 0.00	45.99 -0.16 0.00	50.09 -0.10 0.00	52.12 -0.10 0.00	80.67 0.09 0.00	79.72 0.39 0.00	95.99 0.66 -0.35	32.99 0.33 -8.83	37.35 0.37 -11.34	39.58 0.37 -8.79	34.75 0.23 -7.24	42.48 0.18 -4.94	36.08 0.05 -3.36
INDECK___YERKES 23781	43.64 -2.36 -11.58	5.23 0.55 -15.56	-5.16 0.85 -18.62	-0.14 0.50 -19.81	0.74 0.34 -14.07	6.34 0.06 -8.88	14.48 -0.13 -11.71	29.92 -1.43 0.59	46.54 -2.27 7.15	37.38 -1.42 5.20	36.83 -1.81 6.75	36.99 -1.69 6.49	37.07 -1.88 7.21	40.68 -2.12 7.38	42.67 -2.71 6.85	68.19 -4.69 7.71	66.81 -4.50 8.02	80.74 -5.66 8.58	30.15 -1.56 -7.88	34.64 -1.60 -10.60	31.06 -1.99 -2.63	31.57 -1.76 -6.05	38.56 -1.83 -3.03	34.20 -1.46 -3.00
INDIAN POINT_GT_1 24139	101.26 1.04 -65.79	77.26 -0.29 -88.43	80.62 -0.58 -105.84	91.73 -0.41 -112.59	65.99 -0.30 -79.95	48.46 -0.07 -51.13	76.72 0.12 -73.70	60.61 1.29 -27.38	59.84 2.55 -1.33	59.79 2.03 -13.77	47.50 2.11 0.00	47.14 1.97 0.00	47.95 1.79 0.00	52.11 1.93 0.00	54.24 2.01 0.00	83.59 3.01 0.00	81.97 2.64 0.00	101.79 3.55 -3.27	107.71 1.02 -82.87	128.36 1.04 -101.68	82.35 1.25 -50.69	86.96 1.16 -58.52	83.56 1.55 -44.64	65.44 1.26 -31.52
INDIAN POINT_GT_2 23659	101.26 1.04 -65.79	77.26 -0.29 -88.43	80.62 -0.58 -105.84	91.73 -0.41 -112.59	65.99 -0.30 -79.95	48.46 -0.07 -51.13	76.72 0.12 -73.70	60.61 1.29 -27.38	59.84 2.55 -1.33	59.79 2.03 -13.77	47.50 2.11 0.00	47.14 1.97 0.00	47.95 1.79 0.00	52.11 1.93 0.00	54.24 2.01 0.00	83.59 3.01 0.00	81.97 2.64 0.00	101.79 3.55 -3.27	107.71 1.02 -82.87	128.36 1.04 -101.68	82.35 1.25 -50.69	86.96 1.16 -58.52	83.56 1.55 -44.64	65.44 1.26 -31.52
INDIAN POINT_GT_3 24019	101.26 1.04 -65.79	77.26 -0.29 -88.43	80.62 -0.58 -105.84	91.73 -0.41 -112.59	65.99 -0.30 -79.95	48.46 -0.07 -51.13	76.72 0.12 -73.70	60.61 1.29 -27.38	59.84 2.55 -1.33	59.79 2.03 -13.77	47.50 2.11 0.00	47.14 1.97 0.00	47.95 1.79 0.00	52.11 1.93 0.00	54.24 2.01 0.00	83.59 3.01 0.00	81.97 2.64 0.00	101.79 3.55 -3.27	107.71 1.02 -82.87	128.36 1.04 -101.68	82.35 1.25 -50.69	86.96 1.16 -58.52	83.56 1.55 -44.64	65.44 1.26 -31.52
INDIAN POINT___2 23530	101.52 1.07 -66.03	77.58 -0.30 -88.75	80.98 -0.60 -106.22	92.13 -0.42 -113.00	66.28 -0.31 -80.24	48.64 -0.07 -51.31	76.99 0.12 -73.97	60.73 1.31 -27.48	59.94 2.64 -1.33	59.91 2.11 -13.81	47.58 2.19 0.00	47.24 2.07 0.00	48.05 1.90 0.00	52.20 2.02 0.00	54.31 2.08 0.00	83.65 3.06 0.00	82.04 2.71 0.00	101.84 3.59 -3.28	108.02 1.02 -83.17	128.75 1.06 -102.04	82.56 1.27 -50.87	87.20 1.19 -58.73	83.76 1.59 -44.81	65.59 1.30 -31.64
INDIAN POINT___3 23531	100.31 0.93 -64.95	76.17 -0.26 -87.30	79.32 -0.52 -104.49	90.34 -0.37 -111.16	65.00 -0.27 -78.93	47.81 -0.06 -50.48	75.77 0.10 -72.76	60.16 1.19 -27.04	59.59 2.33 -1.31	59.40 1.84 -13.57	47.31 1.92 0.00	46.97 1.80 0.00	47.80 1.64 0.00	51.94 1.76 0.00	54.06 1.83 0.00	83.32 2.74 0.00	81.69 2.36 0.00	101.37 3.17 -3.22	106.56 0.91 -81.82	126.97 0.94 -100.38	81.60 1.13 -50.04	86.10 1.04 -57.77	82.84 1.40 -44.08	64.92 1.13 -31.12
INGHAM_C_115KV_TB7 356103	35.98 0.47 -1.09	-9.53 -0.12 -1.46	-23.14 -0.25 -1.75	-18.65 -0.06 -1.86	-12.33 0.02 -1.32	-1.77 0.00 -0.84	4.18 0.06 -1.22	32.89 0.50 -0.45	56.91 0.93 -0.02	44.75 0.63 -0.12	45.74 0.36 0.00	45.11 -0.06 0.00	46.14 -0.02 0.00	50.26 0.08 0.00	52.51 0.28 0.00	81.15 0.56 0.00	79.89 0.56 0.00	96.30 1.27 -0.05	25.61 0.41 -1.37	27.76 0.44 -1.68	31.72 0.46 -0.83	28.65 0.41 -0.97	38.59 0.49 -0.74	33.53 0.35 -0.52
IP CORINTH___1 23988	119.74 3.14 -82.17	98.65 -0.93 -110.45	105.48 -2.08 -132.19	118.48 -1.71 -140.63	85.08 -1.12 -99.86	61.03 -0.22 -63.86	95.50 0.29 -92.30	69.70 3.41 -34.35	63.82 6.20 -1.66	119.11 4.74 -70.38	49.71 4.32 0.00	49.73 4.56 0.00	50.51 4.35 0.00	54.94 4.76 0.00	57.48 5.25 0.00	89.19 8.60 0.00	88.02 8.69 0.00	109.84 10.78 -4.08	129.96 2.55 -103.58	155.49 2.76 -127.09	96.89 3.12 -63.35	103.20 2.77 -73.16	96.83 3.60 -55.87	75.31 3.19 -39.45

IP__TICONDEROGA 23804	121.39 4.83 -82.13	98.11 -1.41 -110.39	104.32 -3.17 -132.12	117.52 -2.58 -140.56	84.51 -1.64 -99.80	60.90 -0.32 -63.82	95.58 0.42 -92.25	71.38 5.11 -34.33	67.10 9.48 -1.66	120.98 6.85 -70.14	51.09 5.70 0.00	51.68 6.51 0.00	52.18 6.03 0.00	56.86 6.68 0.00	59.72 7.50 0.00	92.70 12.11 0.00	92.12 12.79 0.00	114.99 15.93 -4.08	131.10 3.75 -103.52	156.78 4.12 -127.02	98.53 4.79 -63.32	104.70 4.30 -73.12	98.89 5.69 -55.84	77.28 5.19 -39.42
ISLIP_RES_REC 323679	101.88 1.43 -66.03	77.26 -0.62 -88.75	80.30 -1.29 -106.22	91.62 -0.93 -113.00	65.90 -0.69 -80.24	48.60 -0.10 -51.31	77.02 0.15 -73.97	60.90 1.48 -27.48	60.36 3.07 -1.33	60.10 2.30 -13.81	48.28 2.89 0.00	48.19 3.02 0.00	48.72 2.56 0.00	53.38 3.20 0.00	55.34 3.11 0.00	85.04 4.45 0.00	83.15 3.83 0.00	102.96 4.70 -3.28	108.30 1.30 -83.17	129.15 1.46 -102.04	83.07 1.78 -50.87	87.73 1.72 -58.73	84.35 2.19 -44.81	66.04 1.62 -31.76
JAMAICA__27_KV_LOAD 355505	101.83 1.36 -66.04	77.54 -0.36 -88.76	80.91 -0.69 -106.24	92.21 -0.36 -113.02	66.27 -0.33 -80.25	48.63 -0.09 -51.32	77.04 0.16 -73.98	60.99 1.56 -27.49	60.27 2.98 -1.33	60.25 2.44 -13.82	47.85 2.46 0.00	47.58 2.40 0.00	48.38 2.22 0.00	52.48 2.30 0.00	54.65 2.42 0.00	84.20 3.62 0.00	82.46 3.14 0.00	102.34 4.09 -3.28	108.24 1.22 -83.18	128.95 1.25 -102.06	82.76 1.47 -50.88	87.45 1.43 -58.74	84.22 2.05 -44.81	66.00 1.70 -31.64
JANIS__SOLAR 323808	53.72 0.64 -18.66	14.07 -0.15 -25.08	5.00 -0.38 -30.02	11.12 -0.37 -31.94	8.77 -0.25 -22.68	11.89 -0.05 -14.54	24.34 0.08 -21.36	42.56 1.11 -9.51	60.32 1.65 -2.71	52.47 1.15 -7.33	48.61 1.09 -2.14	48.20 0.97 -2.06	49.56 1.12 -2.28	53.49 0.98 -2.34	55.22 0.82 -2.17	84.49 1.47 -2.44	83.38 1.51 -2.54	100.99 2.19 -3.82	50.20 0.75 -25.63	57.59 0.80 -31.15	47.60 0.81 -16.37	45.83 0.61 -17.95	52.37 0.81 -14.20	42.93 0.52 -9.75
JARVIS____ 23743	35.76 0.24 -1.09	-9.48 -0.06 -1.46	-22.97 -0.08 -1.75	-18.63 -0.04 -1.86	-12.35 -0.01 -1.32	-1.77 -0.01 -0.84	4.14 0.01 -1.22	32.53 0.14 -0.45	56.26 0.28 -0.02	44.29 0.18 -0.12	45.61 0.22 0.00	45.38 0.21 0.00	46.29 0.13 0.00	50.32 0.14 0.00	52.42 0.20 0.00	80.92 0.34 0.00	79.60 0.27 0.00	95.44 0.41 -0.05	25.33 0.14 -1.37	27.45 0.13 -1.68	31.41 0.15 -0.83	28.38 0.14 -0.97	38.29 0.19 -0.74	33.34 0.16 -0.52
JENNISON__1 23625	58.63 0.68 -23.52	20.64 -0.10 -31.62	13.07 -0.13 -37.84	19.65 -0.16 -40.26	14.78 -0.15 -28.59	15.68 0.00 -18.28	29.33 0.01 -26.40	42.57 0.81 -9.82	58.06 1.62 -0.48	52.71 1.03 -7.68	46.49 1.10 0.00	46.02 0.85 0.00	47.26 1.10 0.00	50.81 0.63 0.00	52.65 0.43 0.00	80.96 0.38 0.00	79.13 -0.20 0.00	96.07 -0.07 -1.17	53.56 0.10 -29.62	62.08 0.10 -36.35	48.57 0.02 -18.12	48.13 -0.07 -20.92	53.25 -0.08 -15.97	43.65 -0.28 -11.27
JENNISON__2 23626	58.63 0.68 -23.52	20.64 -0.10 -31.62	13.07 -0.13 -37.84	19.65 -0.16 -40.26	14.78 -0.15 -28.59	15.68 0.00 -18.28	29.33 0.01 -26.40	42.57 0.81 -9.82	58.06 1.62 -0.48	52.71 1.03 -7.68	46.49 1.10 0.00	46.02 0.85 0.00	47.26 1.10 0.00	50.81 0.63 0.00	52.65 0.43 0.00	80.96 0.38 0.00	79.13 -0.20 0.00	96.07 -0.07 -1.17	53.56 0.10 -29.62	62.08 0.10 -36.35	48.57 0.02 -18.12	48.13 -0.07 -20.92	53.25 -0.08 -15.97	43.65 -0.28 -11.27
JERICHO_RISE_WT_PWR 323719	34.19 -0.23 0.00	-10.92 -0.05 0.00	-24.96 -0.33 0.00	-20.76 -0.32 0.00	-13.91 -0.25 0.00	-2.62 -0.02 0.00	2.88 -0.02 0.00	31.61 -0.32 0.00	55.44 -0.52 0.00	43.47 -0.53 0.00	44.72 -0.67 0.00	44.56 -0.61 0.00	45.72 -0.44 0.00	49.59 -0.59 0.00	51.38 -0.84 0.00	79.42 -1.17 0.00	78.53 -0.80 0.00	93.94 -1.04 0.00	23.35 -0.48 0.00	22.35 -0.44 2.86	11.00 -0.53 18.89	21.25 -0.32 5.71	35.77 -0.53 1.06	32.52 -0.43 -0.29
KATONAH__115KV_46KV_TB4 355592	102.24 1.27 -66.55	78.22 -0.36 -89.44	81.68 -0.73 -107.06	92.90 -0.54 -113.89	66.83 -0.39 -80.87	49.03 -0.08 -51.72	77.59 0.13 -74.55	61.16 1.52 -27.70	60.27 2.96 -1.34	60.28 2.34 -13.95	47.80 2.41 0.00	47.43 2.26 0.00	48.27 2.12 0.00	52.47 2.29 0.00	54.63 2.40 0.00	84.17 3.59 0.00	82.63 3.30 0.00	102.65 4.36 -3.30	108.90 1.23 -83.84	129.79 1.28 -102.86	83.22 1.52 -51.28	87.87 1.39 -59.20	84.38 1.85 -45.17	66.07 1.52 -31.89
KCE_NY_1 323755	118.84 2.09 -82.33	99.17 -0.62 -110.66	106.46 -1.35 -132.45	119.35 -1.10 -140.90	85.66 -0.72 -100.05	61.23 -0.14 -63.98	95.58 0.19 -92.48	68.51 2.16 -34.42	61.52 3.89 -1.67	118.28 3.05 -71.23	48.28 2.89 0.00	48.07 2.90 0.00	48.96 2.81 0.00	53.33 3.15 0.00	55.57 3.35 0.00	86.08 5.50 0.00	84.84 5.51 0.00	105.93 6.86 -4.09	129.33 1.71 -103.79	154.83 1.84 -127.35	95.98 2.08 -63.48	102.45 1.87 -73.30	95.82 2.47 -55.98	74.34 2.15 -39.53
KCE_NY_6_ESR 323823	44.72 -1.83 -12.12	5.83 0.41 -16.30	-4.55 0.58 -19.51	0.60 0.31 -20.75	1.29 0.22 -14.73	6.75 0.04 -9.32	15.38 -0.09 -12.56	31.73 -0.88 -0.68	48.96 -1.30 5.71	39.44 -0.67 3.88	38.92 -1.02 5.45	38.99 -0.94 5.23	39.23 -1.12 5.81	42.91 -1.32 5.95	44.83 -1.88 5.52	71.01 -3.37 6.21	69.71 -3.15 6.46	83.97 -4.23 6.78	32.52 -1.18 -9.87	37.31 -1.20 -12.86	33.14 -1.55 -4.27	33.30 -1.34 -7.36	40.40 -1.30 -4.34	35.40 -1.02 -3.76
KEDC_PORT_JEFF_GT2 24210	101.73 1.27 -66.03	77.31 -0.57 -88.75	80.40 -1.18 -106.22	91.71 -0.84 -113.00	65.96 -0.63 -80.24	48.62 -0.09 -51.31	77.01 0.13 -73.97	60.76 1.34 -27.48	60.09 2.80 -1.33	59.89 2.09 -13.81	48.08 2.69 0.00	47.99 2.82 0.00	48.53 2.38 0.00	53.13 2.95 0.00	55.05 2.82 0.00	84.60 4.01 0.00	82.73 3.41 0.00	102.45 4.20 -3.28	108.18 1.18 -83.17	129.01 1.32 -102.04	82.92 1.63 -50.87	87.59 1.58 -58.73	84.18 2.01 -44.81	65.90 1.48 -31.75
KEDC_PORT_JEFF_GT3 24211	101.73 1.27 -66.03	77.31 -0.57 -88.75	80.40 -1.18 -106.22	91.71 -0.84 -113.00	65.96 -0.63 -80.24	48.62 -0.09 -51.31	77.01 0.13 -73.97	60.76 1.34 -27.48	60.09 2.80 -1.33	59.89 2.09 -13.81	48.08 2.69 0.00	47.99 2.82 0.00	48.53 2.38 0.00	53.13 2.95 0.00	55.05 2.82 0.00	84.60 4.01 0.00	82.73 3.41 0.00	102.45 4.20 -3.28	108.18 1.18 -83.17	129.01 1.32 -102.04	82.92 1.63 -50.87	87.59 1.58 -58.73	84.18 2.01 -44.81	65.90 1.48 -31.75
KEDC_GLWD_GT4 24219	101.84 1.39 -66.03	77.40 -0.47 -88.75	80.62 -0.96 -106.22	91.86 -0.69 -113.00	66.07 -0.51 -80.24	48.61 -0.10 -51.31	77.02 0.14 -73.97	60.97 1.55 -27.48	60.50 3.21 -1.33	60.32 2.52 -13.81	48.20 2.81 0.00	48.05 2.88 0.00	48.68 2.53 0.00	53.06 2.88 0.00	55.00 2.78 0.00	84.60 4.01 0.00	82.99 3.66 0.00	102.87 4.61 -3.28	108.28 1.28 -83.17	129.09 1.40 -102.04	83.03 1.73 -50.87	87.67 1.66 -58.73	84.33 2.16 -44.81	66.48 1.66 -32.15
KEDC_GLWD_GT5 24220	101.84 1.39 -66.03	77.40 -0.47 -88.75	80.62 -0.96 -106.22	91.86 -0.69 -113.00	66.07 -0.51 -80.24	48.61 -0.10 -51.31	77.02 0.14 -73.97	60.97 1.55 -27.48	60.50 3.21 -1.33	60.32 2.52 -13.81	48.20 2.81 0.00	48.05 2.88 0.00	48.68 2.53 0.00	53.06 2.88 0.00	55.00 2.78 0.00	84.60 4.01 0.00	82.99 3.66 0.00	102.87 4.61 -3.28	108.28 1.28 -83.17	129.09 1.40 -102.04	83.03 1.73 -50.87	87.67 1.66 -58.73	84.33 2.16 -44.81	66.48 1.66 -32.15

KENSICO____ 23655	101.41 1.07 -65.91	77.41 -0.30 -88.58	80.79 -0.60 -106.03	91.92 -0.43 -112.79	66.13 -0.31 -80.10	48.54 -0.07 -51.22	76.86 0.12 -73.83	60.69 1.32 -27.44	59.92 2.63 -1.33	59.87 2.09 -13.79	47.57 2.18 0.00	47.24 2.06 0.00	48.04 1.89 0.00	52.20 2.01 0.00	54.32 2.10 0.00	83.68 3.10 0.00	82.05 2.72 0.00	101.86 3.62 -3.27	107.88 1.03 -83.02	128.56 1.06 -101.86	82.47 1.28 -50.78	87.08 1.18 -58.63	83.67 1.58 -44.72	65.54 1.29 -31.58
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	98.75 1.56 -62.77	73.04 -0.45 -84.36	75.39 -0.95 -100.97	86.23 -0.74 -107.42	62.10 -0.52 -76.28	46.06 -0.11 -48.78	73.44 0.16 -70.37	59.85 1.76 -26.16	60.56 3.33 -1.27	60.91 2.62 -14.30	48.08 2.69 0.00	47.75 2.58 0.00	48.49 2.34 0.00	52.62 2.44 0.00	54.96 2.73 0.00	84.97 4.38 0.00	83.40 4.07 0.00	103.39 5.30 -3.12	104.38 1.45 -79.10	124.22 1.53 -97.05	80.61 1.81 -48.38	84.74 1.61 -55.86	82.12 2.14 -42.62	64.52 1.76 -30.09
KIAC_JFK_GT1 23816	101.62 1.15 -66.04	77.60 -0.29 -88.76	81.06 -0.54 -106.24	92.33 -0.24 -113.02	66.35 -0.25 -80.25	48.65 -0.07 -51.32	77.02 0.14 -73.98	60.76 1.33 -27.49	59.91 2.61 -1.33	59.95 2.14 -13.82	47.58 2.19 0.00	47.29 2.12 0.00	48.10 1.94 0.00	52.18 2.00 0.00	54.34 2.11 0.00	83.71 3.12 0.00	81.83 2.50 0.00	101.31 3.05 -3.28	107.97 0.96 -83.18	128.67 0.96 -102.06	82.44 1.14 -50.88	87.24 1.22 -58.74	83.97 1.79 -44.81	65.78 1.48 -31.64
KIAC_JFK_GT2 23817	101.62 1.15 -66.04	77.60 -0.29 -88.76	81.06 -0.54 -106.24	92.33 -0.24 -113.02	66.35 -0.25 -80.25	48.65 -0.07 -51.32	77.02 0.14 -73.98	60.76 1.33 -27.49	59.91 2.61 -1.33	59.95 2.14 -13.82	47.58 2.19 0.00	47.29 2.12 0.00	48.10 1.94 0.00	52.18 2.00 0.00	54.34 2.11 0.00	83.71 3.12 0.00	81.83 2.50 0.00	101.31 3.05 -3.28	107.97 0.96 -83.18	128.67 0.96 -102.06	82.44 1.14 -50.88	87.24 1.22 -58.74	83.97 1.79 -44.81	65.78 1.48 -31.64
KIAC_JFK____ 323774	101.62 1.15 -66.04	77.60 -0.29 -88.76	81.06 -0.54 -106.24	92.33 -0.24 -113.02	66.35 -0.25 -80.25	48.65 -0.07 -51.32	77.02 0.14 -73.98	60.76 1.34 -27.49	59.90 2.61 -1.33	59.95 2.14 -13.82	47.56 2.17 0.00	47.29 2.12 0.00	48.09 1.93 0.00	52.17 1.99 0.00	54.33 2.10 0.00	83.69 3.11 0.00	81.83 2.50 0.00	101.31 3.05 -3.28	107.98 0.96 -83.18	128.67 0.96 -102.06	82.44 1.14 -50.88	87.24 1.22 -58.74	83.97 1.79 -44.81	65.78 1.47 -31.64
KINTIGH____ 23543	42.40 -2.46 -10.43	3.76 0.61 -14.02	-6.73 1.13 -16.78	-1.84 0.75 -17.85	-0.49 0.50 -12.67	5.50 0.09 -8.02	13.49 -0.15 -10.74	30.64 -1.56 -0.26	47.96 -2.65 5.35	38.45 -1.82 3.72	38.17 -2.13 5.09	38.28 -2.00 4.89	38.58 -2.14 5.43	42.26 -2.36 5.56	44.13 -2.94 5.16	69.84 -4.94 5.81	68.54 -4.75 6.04	82.70 -5.90 6.37	30.34 -1.58 -8.09	34.65 -1.63 -10.63	31.72 -2.00 -3.30	31.56 -1.80 -6.08	38.83 -1.97 -3.45	34.17 -1.58 -3.08
KNTFSRNC_46_KV_46KV_LOAD 80397	34.41 -0.02 0.00	-11.09 -0.22 0.00	-25.50 -0.87 0.00	-21.18 -0.73 0.00	-14.18 -0.52 0.00	-2.66 -0.06 0.00	2.89 -0.02 0.00	31.83 -0.10 0.00	55.87 -0.09 0.00	43.84 -0.15 0.00	44.94 -0.44 0.00	44.79 -0.39 0.00	45.88 -0.28 0.00	49.79 -0.40 0.00	51.35 -0.88 0.00	79.51 -1.08 0.00	78.92 -0.41 0.00	94.63 -0.35 0.00	23.44 -0.39 0.00	22.94 -0.36 2.34	17.64 -0.48 12.30	22.36 -0.24 4.68	35.98 -0.52 0.87	34.64 -0.44 -2.41
LACHUTE____HYDRO 323717	121.39 4.83 -82.13	98.11 -1.41 -110.39	104.32 -3.17 -132.12	117.52 -2.58 -140.56	84.51 -1.64 -99.80	60.90 -0.32 -63.82	95.58 0.42 -92.25	71.38 5.11 -34.33	67.10 9.48 -1.66	120.98 6.85 -70.14	51.09 5.70 0.00	51.68 6.51 0.00	52.19 6.03 0.00	56.87 6.68 0.00	59.73 7.50 0.00	92.70 12.12 0.00	92.11 12.78 0.00	114.99 15.93 -4.08	131.10 3.74 -103.52	156.78 4.12 -127.02	98.52 4.79 -63.32	104.70 4.31 -73.12	98.89 5.69 -55.84	77.28 5.19 -39.42
LAWRNCV_115KV_TB1 80681	40.46 3.42 -2.61	-8.46 -1.10 -3.51	-22.84 -2.40 -4.20	-18.11 -2.13 -4.47	-11.70 -1.22 -3.18	-0.77 -0.20 -2.03	6.05 0.21 -2.93	35.11 2.09 -1.09	58.75 2.74 -0.05	45.95 1.66 -0.30	47.15 1.76 0.00	47.02 1.85 0.00	47.21 1.06 0.00	50.81 0.63 0.00	53.55 1.32 0.00	84.19 3.61 0.00	83.33 4.00 0.00	100.98 5.87 -0.13	28.69 1.58 -3.29	38.70 2.37 -10.69	80.41 2.84 -47.15	46.01 3.11 -15.62	45.35 3.75 -4.23	37.09 3.03 -1.39
LEDERLE____ 23769	98.40 1.01 -62.96	73.46 -0.29 -84.62	76.05 -0.60 -101.28	86.87 -0.43 -107.75	62.54 -0.31 -76.51	46.25 -0.07 -48.93	73.56 0.12 -70.54	59.45 1.30 -26.21	59.70 2.47 -1.27	59.04 1.93 -13.11	47.41 2.02 0.00	47.07 1.90 0.00	47.92 1.77 0.00	52.10 1.92 0.00	54.26 2.03 0.00	83.67 3.09 0.00	81.98 2.65 0.00	101.64 3.54 -3.13	104.15 1.01 -79.31	124.00 1.05 -97.31	80.18 1.26 -48.51	84.42 1.13 -56.01	81.60 1.51 -42.73	64.05 1.22 -30.17
LIGHTHSE_115KV_TB6 355974	40.63 -0.13 -6.34	-2.29 0.06 -8.52	-14.15 0.29 -10.20	-9.44 0.16 -10.85	-5.86 0.10 -7.70	2.33 0.01 -4.93	10.03 0.01 -7.11	34.51 -0.07 -2.65	55.41 -0.68 -0.13	43.99 -0.73 -0.73	44.72 -0.67 0.00	44.65 -0.52 0.00	45.30 -0.86 0.00	49.32 -0.86 0.00	51.38 -0.85 0.00	79.94 -0.65 0.00	79.05 -0.28 0.00	95.27 -0.02 -0.31	31.98 0.17 -7.98	36.49 0.22 -10.62	41.09 0.19 -10.47	34.68 0.11 -7.29	41.89 -0.08 -4.61	35.50 -0.20 -3.04
LINDEN COGEN____ 23786	101.36 0.90 -66.04	77.66 -0.23 -88.76	81.18 -0.42 -106.24	92.35 -0.21 -113.02	66.40 -0.19 -80.25	48.66 -0.05 -51.32	77.00 0.11 -73.98	60.56 1.13 -27.49	59.18 2.36 -0.86	58.81 1.90 -12.93	46.02 1.94 1.31	47.00 1.83 0.00	47.79 1.64 0.00	51.90 1.72 0.00	54.00 1.77 0.00	83.16 2.57 0.00	81.29 2.06 0.10	101.10 2.84 -3.28	107.89 0.88 -83.18	128.57 0.87 -102.06	82.35 1.06 -50.88	87.05 1.03 -58.74	83.62 1.44 -44.81	65.47 1.16 -31.64
LINDHRST_69_KV_BK1 356055	102.02 1.56 -66.03	77.30 -0.57 -88.75	80.40 -1.19 -106.22	91.69 -0.86 -113.00	65.95 -0.63 -80.24	48.59 -0.12 -51.31	77.03 0.16 -73.97	61.09 1.67 -27.48	60.74 3.45 -1.33	60.40 2.59 -13.81	48.41 3.02 0.00	48.28 3.11 0.00	48.87 2.72 0.00	53.36 3.18 0.00	55.28 3.05 0.00	84.99 4.40 0.00	83.31 3.98 0.00	103.02 4.77 -3.28	108.36 1.36 -83.17	129.24 1.55 -102.04	83.21 1.92 -50.87	87.84 1.82 -58.73	84.56 2.39 -44.81	66.38 1.80 -31.92
LIPA_MISC_IPP 23656	101.55 1.10 -66.03	77.31 -0.56 -88.75	80.42 -1.16 -106.22	91.73 -0.82 -113.00	65.98 -0.61 -80.24	48.63 -0.07 -51.31	76.98 0.11 -73.97	60.45 1.03 -27.48	59.58 2.29 -1.33	59.51 1.70 -13.81	47.79 2.40 0.00	47.75 2.58 0.00	48.23 2.08 0.00	52.85 2.67 0.00	54.79 2.56 0.00	84.19 3.60 0.00	82.17 2.85 0.00	101.71 3.46 -3.28	107.95 0.95 -83.17	128.76 1.07 -102.04	82.59 1.30 -50.87	87.29 1.28 -58.73	83.77 1.60 -44.81	65.54 1.13 -31.75
LISF____SOLAR 323691	101.61 1.16 -66.03	77.29 -0.58 -88.75	80.37 -1.21 -106.22	91.68 -0.87 -113.00	65.95 -0.63 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.51 1.09 -27.48	59.66 2.37 -1.33	59.56 1.76 -13.81	47.80 2.42 0.00	47.81 2.64 0.00	48.26 2.11 0.00	52.93 2.75 0.00	54.86 2.64 0.00	84.31 3.72 0.00	82.27 2.95 0.00	101.90 3.65 -3.28	108.00 1.00 -83.17	128.81 1.13 -102.04	82.65 1.37 -50.87	87.35 1.34 -58.73	83.84 1.67 -44.81	65.60 1.19 -31.75

LITTLE FALLS___HYD 24013	35.98 0.47 -1.09	-9.53 -0.12 -1.46	-23.14 -0.25 -1.75	-18.65 -0.06 -1.86	-12.33 0.02 -1.32	-1.77 0.00 -0.84	4.18 0.06 -1.22	32.89 0.50 -0.45	56.91 0.93 -0.02	44.75 0.63 -0.12	45.74 0.36 0.00	45.11 -0.06 0.00	46.14 -0.02 0.00	50.26 0.08 0.00	52.51 0.28 0.00	81.15 0.56 0.00	79.89 0.56 0.00	96.30 1.27 -0.05	25.61 0.41 -1.37	27.76 0.44 -1.68	31.72 0.46 -0.83	28.65 0.41 -0.97	38.59 0.49 -0.74	33.53 0.35 -0.52
LITTLRIV_115KV_TB1 356100	41.04 4.00 -2.61	-8.64 -1.28 -3.51	-23.25 -2.81 -4.20	-18.46 -2.48 -4.47	-11.96 -1.47 -3.18	-0.83 -0.25 -2.03	6.12 0.27 -2.93	35.82 2.79 -1.09	59.81 3.80 -0.05	46.56 2.27 -0.30	47.72 2.33 0.00	47.54 2.37 0.00	47.58 1.42 0.00	51.11 0.93 0.00	54.16 1.94 0.00	85.45 4.86 0.00	84.89 5.57 0.00	103.25 8.15 -0.13	29.29 2.17 -3.29	39.34 3.00 -10.69	81.14 3.57 -47.15	46.63 3.73 -15.62	46.12 4.53 -4.23	37.73 3.68 -1.39
LI_NEWBRDGE___DRP 323616	101.55 1.09 -66.03	77.48 -0.39 -88.75	80.79 -0.79 -106.22	92.00 -0.54 -113.00	66.16 -0.42 -80.24	48.63 -0.07 -51.31	76.99 0.12 -73.97	60.67 1.25 -27.48	59.95 2.66 -1.33	59.88 2.07 -13.81	47.79 2.40 0.00	47.63 2.46 0.00	48.26 2.11 0.00	52.59 2.41 0.00	54.52 2.29 0.00	83.85 3.27 0.00	82.19 2.86 0.00	101.85 3.60 -3.28	108.03 1.03 -83.17	128.82 1.13 -102.04	82.72 1.43 -50.87	87.39 1.38 -58.73	83.97 1.81 -44.81	65.67 1.37 -31.64
LOCKPORT_115KV_TB60_63_64 80432	42.86 -2.79 -11.23	4.89 0.67 -15.09	-5.50 1.08 -18.06	-0.57 0.67 -19.21	0.43 0.45 -13.64	6.06 0.09 -8.58	13.87 -0.17 -11.13	28.66 -1.84 1.44	44.79 -3.09 8.08	35.82 -2.12 6.06	35.26 -2.53 7.60	35.39 -2.48 7.31	35.40 -2.64 8.12	39.00 -2.88 8.31	40.98 -3.54 7.71	66.00 -5.91 8.68	64.67 -5.64 9.02	78.26 -6.98 9.74	28.53 -1.89 -6.59	32.84 -1.94 -9.13	29.61 -2.37 -1.57	30.33 -2.15 -5.20	37.17 -2.37 -2.18	33.29 -1.88 -2.51
LOCKPORT___CC1 323769	42.93 -2.82 -11.32	5.03 0.68 -15.22	-5.27 1.15 -18.22	-0.33 0.74 -19.38	0.60 0.50 -13.76	6.12 0.10 -8.63	13.69 -0.18 -10.96	27.44 -1.89 2.61	43.07 -3.16 9.72	34.33 -2.16 7.50	33.75 -2.54 9.10	33.96 -2.46 8.75	33.78 -2.64 9.73	37.30 -2.93 9.96	39.43 -3.57 9.23	64.17 -6.02 10.40	62.78 -5.74 10.81	76.11 -7.08 11.78	27.14 -1.91 -5.22	31.32 -1.98 -7.65	28.22 -2.44 -0.23	29.45 -2.17 -4.33	36.13 -2.40 -1.17	32.73 -1.92 -1.98
LOCKPORT___CC2 323770	42.93 -2.82 -11.32	5.03 0.68 -15.22	-5.27 1.15 -18.22	-0.33 0.74 -19.38	0.60 0.50 -13.76	6.12 0.10 -8.63	13.69 -0.18 -10.96	27.44 -1.89 2.61	43.07 -3.16 9.72	34.33 -2.16 7.50	33.75 -2.54 9.10	33.96 -2.46 8.75	33.78 -2.64 9.73	37.30 -2.93 9.96	39.43 -3.57 9.23	64.17 -6.02 10.40	62.78 -5.74 10.81	76.11 -7.08 11.78	27.14 -1.91 -5.22	31.32 -1.98 -7.65	28.22 -2.44 -0.23	29.45 -2.17 -4.33	36.13 -2.40 -1.17	32.73 -1.92 -1.98
LOCKPORT___CC3 323771	42.93 -2.82 -11.32	5.03 0.68 -15.22	-5.27 1.15 -18.22	-0.33 0.74 -19.38	0.60 0.50 -13.76	6.12 0.10 -8.63	13.69 -0.18 -10.96	27.44 -1.89 2.61	43.07 -3.16 9.72	34.33 -2.16 7.50	33.75 -2.54 9.10	33.96 -2.46 8.75	33.78 -2.64 9.73	37.30 -2.93 9.96	39.43 -3.57 9.23	64.17 -6.02 10.40	62.78 -5.74 10.81	76.11 -7.08 11.78	27.14 -1.91 -5.22	31.32 -1.98 -7.65	28.22 -2.44 -0.23	29.45 -2.17 -4.33	36.13 -2.40 -1.17	32.73 -1.92 -1.98
LONG_LAKE_PHOENIX 24014	41.23 -0.26 -7.06	-1.29 0.09 -9.50	-13.06 0.21 -11.36	-8.23 0.13 -12.09	-4.98 0.09 -8.59	2.89 0.01 -5.49	10.83 0.00 -7.93	34.80 -0.09 -2.95	55.63 -0.47 -0.14	44.41 -0.39 -0.81	45.04 -0.37 -0.03	44.85 -0.32 0.00	45.71 -0.44 0.00	49.79 -0.39 0.00	51.77 -0.46 0.00	80.03 -0.55 0.00	79.05 -0.28 0.00	95.17 -0.16 -0.35	32.84 0.11 -8.90	37.08 0.13 -11.30	38.54 0.07 -8.05	34.29 -0.04 -7.06	42.13 -0.17 -4.94	35.83 -0.22 -3.39
LOVETT___3 23632	98.76 0.87 -63.46	74.19 -0.24 -85.30	76.96 -0.49 -102.09	87.82 -0.34 -108.61	63.21 -0.25 -77.12	46.66 -0.06 -49.32	74.11 0.10 -71.10	59.49 1.13 -26.42	59.43 2.20 -1.28	58.94 1.72 -13.23	47.20 1.81 0.00	46.87 1.69 0.00	47.70 1.55 0.00	51.84 1.66 0.00	53.96 1.74 0.00	83.20 2.61 0.00	81.53 2.20 0.00	101.11 2.98 -3.15	104.64 0.87 -79.94	124.62 0.89 -98.08	80.39 1.07 -48.89	84.72 0.99 -56.45	81.75 1.32 -43.07	64.14 1.07 -30.41
LOVETT___4 23642	98.76 0.87 -63.46	74.19 -0.24 -85.30	76.96 -0.49 -102.09	87.82 -0.34 -108.61	63.21 -0.25 -77.12	46.66 -0.06 -49.32	74.11 0.10 -71.10	59.49 1.13 -26.42	59.43 2.20 -1.28	58.94 1.72 -13.23	47.20 1.81 0.00	46.87 1.69 0.00	47.70 1.55 0.00	51.84 1.66 0.00	53.96 1.74 0.00	83.20 2.61 0.00	81.53 2.20 0.00	101.11 2.98 -3.15	104.64 0.87 -79.94	124.62 0.89 -98.08	80.39 1.07 -48.89	84.72 0.99 -56.45	81.75 1.32 -43.07	64.14 1.07 -30.41
LOVETT___5 23593	98.76 0.87 -63.46	74.19 -0.24 -85.30	76.96 -0.49 -102.09	87.82 -0.34 -108.61	63.21 -0.25 -77.12	46.66 -0.06 -49.32	74.11 0.10 -71.10	59.49 1.13 -26.42	59.43 2.20 -1.28	58.94 1.72 -13.23	47.20 1.81 0.00	46.87 1.69 0.00	47.70 1.55 0.00	51.84 1.66 0.00	53.96 1.74 0.00	83.20 2.61 0.00	81.53 2.20 0.00	101.11 2.98 -3.15	104.64 0.87 -79.94	124.62 0.89 -98.08	80.39 1.07 -48.89	84.72 0.99 -56.45	81.75 1.32 -43.07	64.14 1.07 -30.41
LOWER RAQUET___HYD 24057	40.25 3.22 -2.61	-8.39 -1.04 -3.51	-22.69 -2.25 -4.20	-17.98 -2.00 -4.47	-11.62 -1.14 -3.18	-0.76 -0.18 -2.03	6.03 0.19 -2.93	34.92 1.89 -1.09	58.41 2.40 -0.05	45.68 1.39 -0.30	46.87 1.48 0.00	46.75 1.58 0.00	46.94 0.78 0.00	50.51 0.33 0.00	53.23 1.01 0.00	83.71 3.13 0.00	82.85 3.52 0.00	100.42 5.31 -0.13	28.55 1.43 -3.29	38.54 2.21 -10.69	80.22 2.65 -47.15	45.84 2.95 -15.62	45.11 3.52 -4.23	36.89 2.84 -1.39
LOWER___HUDSON 24059	116.73 1.19 -81.11	97.80 -0.35 -109.01	105.10 -0.74 -130.48	117.76 -0.59 -138.81	84.53 -0.37 -98.56	60.35 -0.07 -63.03	94.11 0.11 -91.09	67.07 1.23 -33.90	59.92 2.32 -1.64	109.16 1.93 -63.24	47.31 1.92 0.00	46.98 1.81 0.00	47.86 1.71 0.00	52.00 1.82 0.00	54.21 1.99 0.00	83.74 3.16 0.00	82.43 3.11 0.00	102.91 3.91 -4.03	126.98 0.99 -102.16	152.04 1.05 -125.34	94.14 1.24 -62.48	100.54 1.11 -72.15	93.98 1.51 -55.11	72.93 1.35 -38.91
LOWVILLE_115KV_TB2 356335	38.83 0.97 -3.44	-6.53 -0.27 -4.62	-19.29 -0.18 -5.52	-14.91 -0.34 -5.88	-9.72 -0.23 -4.18	0.02 -0.04 -2.67	6.85 0.09 -3.86	34.03 0.66 -1.44	56.31 0.29 -0.07	43.93 -0.45 -0.39	45.50 0.11 0.00	45.87 0.70 0.00	45.78 -0.37 0.00	49.30 -0.89 0.00	51.68 -0.55 0.00	80.95 0.36 0.00	80.19 0.86 0.00	96.32 1.17 -0.17	28.63 0.48 -4.33	33.48 0.60 -7.24	46.85 0.75 -15.68	35.01 0.82 -6.91	41.05 0.64 -3.05	34.55 0.24 -1.65
LUTHERFT_115KV_GLOB_FND_222 355753	118.81 2.06 -82.33	99.18 -0.61 -110.66	106.47 -1.34 -132.45	119.36 -1.09 -140.90	85.67 -0.72 -100.05	61.23 -0.14 -63.98	95.58 0.19 -92.48	68.50 2.14 -34.42	61.46 3.84 -1.67	118.26 3.04 -71.23	48.27 2.88 0.00	48.06 2.89 0.00	48.93 2.77 0.00	53.23 3.05 0.00	55.53 3.30 0.00	86.01 5.42 0.00	84.76 5.43 0.00	105.86 6.79 -4.09	129.30 1.68 -103.79	154.80 1.81 -127.35	95.96 2.06 -63.48	102.42 1.84 -73.30	95.77 2.43 -55.98	74.33 2.14 -39.53

LUTHERNY_35_KV_BK2 355980	118.84 2.09 -82.33	99.17 -0.62 -110.66	106.46 -1.35 -132.45	119.34 -1.10 -140.90	85.66 -0.72 -100.05	61.23 -0.14 -63.98	95.58 0.19 -92.48	68.51 2.16 -34.42	61.52 3.89 -1.67	118.28 3.06 -71.23	48.28 2.90 0.00	48.08 2.91 0.00	48.96 2.81 0.00	53.32 3.15 0.00	55.58 3.35 0.00	86.08 5.50 0.00	84.84 5.51 0.00	105.93 6.86 -4.09	129.33 1.71 -103.79	154.83 1.84 -127.35	95.98 2.08 -63.48	102.45 1.87 -73.30	95.82 2.48 -55.98	74.34 2.15 -39.53
LWR___OSWEGATCHIE_HYD 23850	39.66 2.05 -3.19	-7.22 -0.64 -4.29	-20.70 -1.20 -5.14	-16.14 -1.15 -5.47	-10.44 -0.66 -3.88	-0.23 -0.11 -2.48	6.63 0.13 -3.58	34.47 1.20 -1.33	57.11 1.08 -0.06	44.64 0.28 -0.37	45.94 0.55 0.00	45.96 0.79 0.00	46.04 -0.12 0.00	49.56 -0.62 0.00	52.08 -0.15 0.00	81.85 1.27 0.00	81.09 1.76 0.00	97.99 2.85 -0.16	28.71 0.86 -4.02	36.45 1.34 -9.47	65.25 1.60 -33.23	40.97 1.79 -11.90	43.15 1.94 -3.85	35.71 1.42 -1.63
LYONS_FALL_HYD 23570	38.50 0.95 -3.12	-6.95 -0.27 -4.19	-19.93 -0.32 -5.02	-15.50 -0.39 -5.34	-10.13 -0.26 -3.79	-0.23 -0.05 -2.43	6.50 0.09 -3.50	34.01 0.77 -1.30	56.85 0.82 -0.06	44.58 0.23 -0.36	45.98 0.59 0.00	46.13 0.95 0.00	46.41 0.25 0.00	50.14 -0.04 0.00	52.46 0.24 0.00	81.75 1.16 0.00	80.81 1.48 0.00	97.04 1.91 -0.15	28.37 0.61 -3.93	32.46 0.71 -6.10	42.33 0.85 -11.07	33.46 0.84 -5.34	40.77 0.81 -2.59	34.64 0.48 -1.50
MADISON___COUNTY_LFGE 323628	40.01 0.81 -4.77	-4.69 -0.23 -6.41	-17.44 -0.48 -7.67	-12.73 -0.44 -8.16	-8.17 -0.30 -5.80	1.03 -0.06 -3.71	8.35 0.10 -5.35	34.89 0.96 -1.99	57.61 1.55 -0.10	45.67 1.13 -0.55	46.66 1.28 0.00	46.51 1.34 0.00	47.27 1.11 0.00	51.31 1.13 0.00	53.58 1.35 0.00	82.83 2.24 0.00	81.72 2.39 0.00	98.06 2.85 -0.24	30.60 0.77 -6.01	34.24 0.82 -7.78	37.76 0.92 -6.42	33.12 0.79 -5.05	41.71 0.96 -3.39	35.66 0.71 -2.29
MALONE___115KV_TB1 356076	36.60 1.03 -1.14	-9.76 -0.42 -1.54	-23.88 -1.07 -1.84	-19.46 -0.96 -1.95	-12.90 -0.63 -1.39	-1.81 -0.09 -0.89	4.26 0.07 -1.28	33.14 0.73 -0.48	57.06 1.08 -0.02	44.69 0.57 -0.13	45.81 0.42 0.00	45.61 0.44 0.00	46.58 0.43 0.00	50.44 0.26 0.00	52.47 0.24 0.00	81.64 1.05 0.00	80.87 1.54 0.00	97.25 2.22 -0.06	25.70 0.43 -1.44	40.13 0.70 -13.78	113.67 0.83 -82.42	53.30 0.98 -25.04	43.70 1.12 -5.22	34.38 0.91 -0.80
MAPLEWOD_115KV_TB3 80458	116.40 1.17 -80.80	97.40 -0.33 -108.60	104.63 -0.72 -129.98	117.25 -0.58 -138.28	84.16 -0.37 -98.19	60.11 -0.07 -62.79	93.90 0.09 -90.90	66.75 0.95 -33.87	59.38 1.78 -1.64	99.31 1.46 -53.87	46.88 1.49 0.00	46.66 1.49 0.00	47.55 1.39 0.00	51.83 1.65 0.00	54.25 2.03 0.00	83.81 3.22 0.00	82.44 3.11 0.00	102.99 4.01 -4.01	126.54 1.02 -101.69	151.47 1.06 -124.76	93.89 1.27 -62.19	100.21 1.12 -71.82	93.73 1.52 -54.85	72.73 1.34 -38.72
MAPLE_RIDGE_WT_1 323574	34.06 -0.36 0.00	-10.80 0.07 0.00	-24.13 0.51 0.00	-19.97 0.48 0.00	-13.37 0.29 0.00	-2.57 0.04 0.00	2.87 -0.04 0.00	31.40 -0.54 0.00	55.01 -0.95 0.00	42.96 -1.03 0.00	44.34 -1.05 0.00	44.35 -0.82 0.00	45.21 -0.95 0.00	49.09 -1.09 0.00	51.01 -1.21 0.00	79.13 -1.46 0.00	77.86 -1.46 0.00	92.79 -2.19 0.00	23.26 -0.57 0.00	24.28 -0.63 0.73	24.74 -0.76 4.93	25.21 -0.61 1.46	36.22 -0.87 0.27	31.96 -0.70 0.00
MAPLE_RIDGE_WT_2 323611	34.06 -0.36 0.00	-10.80 0.07 0.00	-24.13 0.51 0.00	-19.97 0.48 0.00	-13.37 0.29 0.00	-2.57 0.04 0.00	2.87 -0.04 0.00	31.40 -0.54 0.00	55.01 -0.95 0.00	42.96 -1.03 0.00	44.34 -1.05 0.00	44.35 -0.82 0.00	45.21 -0.95 0.00	49.09 -1.09 0.00	51.01 -1.21 0.00	79.13 -1.46 0.00	77.86 -1.46 0.00	92.79 -2.19 0.00	23.26 -0.57 0.00	24.28 -0.63 0.73	24.74 -0.76 4.93	25.21 -0.61 1.46	36.22 -0.87 0.27	31.96 -0.70 0.00
MARBLE_RIVER_WT_PWR 323696	33.70 -0.73 0.00	-10.97 -0.10 0.00	-25.40 -0.77 0.00	-21.06 -0.61 0.00	-14.08 -0.41 0.00	-2.62 -0.01 0.00	2.79 -0.12 0.00	30.84 -1.10 0.00	54.16 -1.80 0.00	42.56 -1.43 0.00	43.70 -1.69 0.00	43.62 -1.55 0.00	44.68 -1.47 0.00	48.35 -1.83 0.00	49.77 -2.46 0.00	77.07 -3.52 0.00	76.42 -2.91 0.00	91.48 -3.49 0.00	22.59 -1.24 0.00	22.12 -1.29 2.24	7.48 -1.58 21.37	21.59 -1.20 4.49	34.66 -1.87 0.83	26.76 -1.62 4.28
MARSHVLE_115KV_TB1 80742	128.74 1.67 -92.65	113.12 -0.54 -124.52	123.16 -1.24 -149.04	137.11 -0.99 -158.55	98.27 -0.66 -112.58	69.25 -0.14 -72.00	107.19 0.18 -104.10	72.51 1.82 -38.76	60.66 2.82 -1.88	114.46 1.99 -68.49	47.36 1.97 0.00	46.66 1.49 0.00	47.72 1.56 0.00	52.16 1.98 0.00	54.39 2.17 0.00	83.78 3.20 0.00	82.65 3.33 0.00	103.99 4.41 -4.60	141.72 1.21 -116.68	170.06 1.26 -143.16	103.30 1.51 -71.37	110.98 1.30 -82.40	101.97 1.69 -62.92	78.48 1.40 -44.42
MARSH_HILL_WT_PWR 323713	46.87 -2.35 -14.79	9.91 0.90 -19.89	1.23 2.06 -23.80	6.46 1.59 -25.32	5.43 1.11 -17.98	9.66 0.22 -12.05	25.28 -0.20 -22.57	60.87 -2.29 -31.23	85.81 -4.48 -34.32	73.71 -3.77 -33.48	72.49 -4.01 -31.12	71.21 -3.91 -29.95	75.42 -4.04 -33.31	79.86 -4.43 -34.10	79.20 -4.65 -31.63	108.81 -7.38 -35.61	109.42 -6.93 -37.03	129.59 -8.40 -43.01	71.60 -1.89 -49.65	80.20 -2.09 -56.65	68.29 -2.62 -40.49	57.65 -2.47 -32.84	66.71 -3.04 -32.39	48.85 -2.71 -18.90
MCINTYRE_115KV_TB2 80467	41.58 4.54 -2.61	-8.80 -1.44 -3.51	-23.63 -3.20 -4.20	-18.80 -2.82 -4.47	-12.19 -1.71 -3.18	-0.87 -0.30 -2.03	6.17 0.33 -2.93	36.45 3.42 -1.09	60.72 4.71 -0.05	47.14 2.85 -0.30	48.21 2.82 0.00	48.00 2.83 0.00	47.92 1.77 0.00	51.51 1.33 0.00	54.70 2.47 0.00	86.59 6.01 0.00	86.30 6.97 0.00	105.28 10.17 -0.13	29.82 2.70 -3.29	39.92 3.59 -10.69	81.81 4.24 -47.15	47.21 4.31 -15.62	46.85 5.26 -4.23	38.35 4.29 -1.39
MECO_____69_KV_BK1 80468	125.70 2.11 -89.16	108.32 -0.65 -119.84	117.32 -1.48 -143.44	130.95 -1.20 -152.59	93.88 -0.81 -108.35	66.51 -0.17 -69.29	103.32 0.22 -100.19	71.44 2.21 -37.30	61.21 3.45 -1.81	118.79 2.48 -72.32	47.72 2.33 0.00	47.04 1.87 0.00	48.07 1.91 0.00	52.53 2.35 0.00	55.03 2.80 0.00	84.93 4.34 0.00	84.17 4.84 0.00	105.90 6.50 -4.43	137.91 1.77 -112.31	165.30 1.87 -137.79	101.31 2.20 -68.69	108.46 1.87 -79.32	100.36 2.43 -60.56	77.45 2.03 -42.76
MENANDS___115KV_TB5 355628	116.19 1.11 -80.65	97.22 -0.31 -108.40	104.44 -0.67 -129.75	117.04 -0.54 -138.03	84.00 -0.35 -98.01	60.00 -0.06 -62.68	93.73 0.08 -90.74	66.59 0.85 -33.81	59.22 1.63 -1.64	97.57 1.35 -52.23	46.79 1.40 0.00	46.55 1.38 0.00	47.45 1.29 0.00	51.71 1.52 0.00	54.15 1.93 0.00	83.62 3.03 0.00	82.23 2.90 0.00	102.66 3.69 -4.00	126.29 0.94 -101.52	151.18 0.98 -124.56	93.70 1.18 -62.09	100.02 1.04 -71.70	93.54 1.42 -54.76	72.59 1.26 -38.66
MG INDUSTRY___DRP 24185	114.26 1.12 -78.72	94.61 -0.32 -105.80	101.30 -0.69 -126.63	113.71 -0.56 -134.72	81.63 -0.37 -95.66	58.50 -0.07 -61.17	91.48 0.08 -88.49	65.78 0.89 -32.95	59.18 1.63 -1.60	75.00 1.32 -29.69	46.72 1.33 0.00	46.48 1.30 0.00	47.37 1.22 0.00	51.58 1.40 0.00	53.92 1.69 0.00	83.26 2.67 0.00	81.93 2.60 0.00	102.21 3.33 -3.91	123.80 0.85 -99.13	148.15 0.89 -121.62	92.11 1.06 -60.63	98.21 0.92 -70.01	92.07 1.26 -53.45	71.51 1.11 -37.74

MID___OSWEGATCHIE_HYD 23849	39.66 2.05 -3.19	-7.22 -0.64 -4.29	-20.70 -1.20 -5.14	-16.14 -1.15 -5.47	-10.44 -0.66 -3.88	-0.23 -0.11 -2.48	6.63 0.13 -3.58	34.47 1.20 -1.33	57.11 1.08 -0.06	44.64 0.28 -0.37	45.94 0.55 0.00	45.96 0.79 0.00	46.04 -0.12 0.00	49.56 -0.62 0.00	52.08 -0.15 0.00	81.85 1.27 0.00	81.09 1.76 0.00	97.99 2.85 -0.16	28.71 0.86 -4.02	36.45 1.34 -9.47	65.25 1.60 -33.23	40.97 1.79 -11.90	43.15 1.94 -3.85	35.71 1.42 -1.63
MID___RAQUETTE_HYD 23851	40.25 3.22 -2.61	-8.39 -1.04 -3.51	-22.69 -2.25 -4.20	-17.98 -2.01 -4.47	-11.62 -1.14 -3.18	-0.76 -0.18 -2.03	6.03 0.19 -2.93	34.92 1.89 -1.09	58.41 2.40 -0.05	45.68 1.39 -0.30	46.87 1.48 0.00	46.74 1.57 0.00	46.93 0.78 0.00	50.51 0.33 0.00	53.22 0.99 0.00	83.71 3.13 0.00	82.85 3.52 0.00	100.41 5.30 -0.13	28.55 1.43 -3.29	38.54 2.21 -10.69	80.22 2.65 -47.15	45.84 2.95 -15.62	45.11 3.52 -4.23	36.89 2.84 -1.39
MILLIKEN___1 23584	48.89 0.13 -14.33	8.36 -0.03 -19.26	-1.69 -0.10 -23.05	3.96 -0.11 -24.53	3.68 -0.08 -17.42	8.55 -0.02 -11.18	19.46 0.03 -16.52	40.15 0.41 -7.81	59.28 0.54 -2.77	50.03 0.43 -5.62	48.05 0.40 -2.27	47.76 0.41 -2.18	48.98 0.39 -2.43	53.04 0.38 -2.49	54.85 0.32 -2.30	83.71 0.53 -2.59	82.69 0.67 -2.70	99.67 0.90 -3.79	44.53 0.39 -20.31	50.67 0.42 -24.60	43.97 0.39 -13.16	41.73 0.28 -14.18	49.07 0.36 -11.35	40.63 0.24 -7.73
MILLIKEN___2 23585	48.89 0.13 -14.33	8.36 -0.03 -19.26	-1.69 -0.10 -23.05	3.96 -0.11 -24.53	3.68 -0.08 -17.42	8.55 -0.02 -11.18	19.46 0.03 -16.52	40.15 0.41 -7.81	59.28 0.54 -2.77	50.03 0.43 -5.62	48.05 0.40 -2.27	47.76 0.41 -2.18	48.98 0.39 -2.43	53.04 0.38 -2.49	54.85 0.32 -2.30	83.71 0.53 -2.59	82.69 0.67 -2.70	99.67 0.90 -3.79	44.53 0.39 -20.31	50.67 0.42 -24.60	43.97 0.39 -13.16	41.73 0.28 -14.18	49.07 0.36 -11.35	40.63 0.24 -7.73
MILLIKEN___DIESEL 23629	48.89 0.13 -14.33	8.36 -0.03 -19.26	-1.69 -0.10 -23.05	3.96 -0.11 -24.53	3.68 -0.08 -17.42	8.55 -0.02 -11.18	19.46 0.03 -16.52	40.15 0.41 -7.81	59.28 0.54 -2.77	50.03 0.43 -5.62	48.05 0.40 -2.27	47.76 0.41 -2.18	48.98 0.39 -2.43	53.04 0.38 -2.49	54.85 0.32 -2.30	83.71 0.53 -2.59	82.69 0.67 -2.70	99.67 0.90 -3.79	44.53 0.39 -20.31	50.67 0.42 -24.60	43.97 0.39 -13.16	41.73 0.28 -14.18	49.07 0.36 -11.35	40.63 0.24 -7.73
MILLSEAT___LFGE 323607	43.34 -1.93 -10.84	4.11 0.42 -14.56	-6.63 0.57 -17.43	-1.64 0.27 -18.54	-0.32 0.17 -13.17	5.73 0.03 -8.31	13.80 -0.09 -10.98	30.65 0.42 0.42	48.11 -1.37 6.48	38.53 -0.79 4.68	38.08 -1.18 6.13	38.12 -1.16 5.89	38.34 -1.27 6.55	42.20 -1.28 6.70	44.23 -1.78 6.22	70.41 -3.17 7.00	69.15 -2.90 7.28	83.70 -3.50 7.77	30.40 -0.99 -7.56	34.76 -1.00 -10.12	31.75 -1.31 -2.64	31.84 -1.22 -5.78	39.12 -1.21 -2.97	34.59 -0.96 -2.88
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	101.25 1.03 -65.79	77.26 -0.29 -88.43	80.62 -0.58 -105.84	91.73 -0.41 -112.59	65.99 -0.30 -79.95	48.46 -0.06 -51.13	76.72 0.12 -73.70	60.59 1.27 -27.38	59.81 2.52 -1.33	59.76 2.00 -13.77	47.48 2.09 0.00	47.14 1.97 0.00	47.95 1.79 0.00	52.10 1.92 0.00	54.21 1.99 0.00	83.54 2.96 0.00	81.94 2.61 0.00	101.74 3.49 -3.27	107.69 0.99 -82.87	128.34 1.02 -101.68	82.33 1.23 -50.69	86.93 1.14 -58.52	83.52 1.52 -44.64	65.43 1.24 -31.52
MILLWOOD_13_KV_LOAD 356217	101.29 1.07 -65.79	77.26 -0.30 -88.43	80.59 -0.60 -105.84	91.71 -0.43 -112.59	65.98 -0.31 -79.95	48.45 -0.07 -51.13	76.72 0.12 -73.70	60.64 1.32 -27.38	59.90 2.62 -1.33	59.83 2.07 -13.77	47.54 2.16 0.00	47.19 2.02 0.00	48.00 1.85 0.00	52.16 1.98 0.00	54.29 2.06 0.00	83.69 3.10 0.00	82.05 2.72 0.00	101.89 3.65 -3.27	107.74 1.04 -82.87	128.39 1.07 -101.68	82.38 1.28 -50.69	86.98 1.18 -58.52	83.59 1.58 -44.64	65.47 1.28 -31.52
MODEL_CITY_ENERGY 24167	42.68 -3.11 -11.36	5.16 0.76 -15.27	-5.12 1.23 -18.28	-0.20 0.80 -19.45	0.68 0.54 -13.81	6.20 0.11 -8.69	14.05 -0.20 -11.35	28.65 -2.17 1.12	44.59 -3.65 7.72	35.74 -2.53 5.72	35.19 -2.93 7.27	35.34 -2.85 6.99	35.34 -3.05 7.76	38.86 -3.37 7.95	40.83 -4.03 7.37	65.53 -6.76 8.30	64.25 -6.45 8.63	77.72 -7.97 9.29	28.77 -2.15 -7.10	33.12 -2.23 -9.71	29.69 -2.72 -1.98	30.40 -2.41 -5.53	37.15 -2.72 -2.51	33.17 -2.19 -2.70
MODERN_LFGE___ 323580	42.68 -3.11 -11.36	5.16 0.76 -15.27	-5.12 1.23 -18.28	-0.20 0.80 -19.45	0.68 0.54 -13.81	6.20 0.11 -8.69	14.05 -0.20 -11.35	28.65 -2.17 1.12	44.59 -3.65 7.72	35.74 -2.53 5.72	35.19 -2.93 7.27	35.34 -2.85 6.99	35.34 -3.05 7.76	38.86 -3.37 7.95	40.83 -4.03 7.37	65.53 -6.76 8.30	64.25 -6.45 8.63	77.72 -7.97 9.29	28.77 -2.15 -7.10	33.12 -2.23 -9.71	29.69 -2.72 -1.98	30.40 -2.41 -5.53	37.15 -2.72 -2.51	33.17 -2.19 -2.70
MOHAWK_PAPER___DRP 24187	116.40 1.17 -80.80	97.40 -0.33 -108.60	104.63 -0.72 -129.98	117.25 -0.58 -138.28	84.16 -0.37 -98.19	60.11 -0.07 -62.79	93.90 0.09 -90.90	66.75 0.95 -33.87	59.38 1.78 -1.64	99.31 1.46 -53.87	46.88 1.49 0.00	46.66 1.49 0.00	47.55 1.39 0.00	51.83 1.65 0.00	54.25 2.03 0.00	83.81 3.22 0.00	82.44 3.11 0.00	102.99 4.01 -4.01	126.54 1.02 -101.69	151.47 1.06 -124.76	93.89 1.27 -62.19	100.21 1.12 -71.82	93.73 1.52 -54.85	72.73 1.34 -38.72
MOHICAN___35_KV_115KV_LD 80490	119.61 3.08 -82.11	98.57 -0.91 -110.35	105.42 -2.02 -132.08	118.40 -1.66 -140.51	85.03 -1.08 -99.77	60.98 -0.21 -63.80	95.41 0.28 -92.22	69.59 3.33 -34.32	63.70 6.08 -1.66	118.62 4.63 -69.99	49.59 4.20 0.00	49.60 4.43 0.00	50.38 4.23 0.00	54.80 4.62 0.00	57.32 5.09 0.00	88.92 8.34 0.00	87.79 8.46 0.00	109.54 10.49 -4.08	129.82 2.50 -103.49	155.32 2.71 -126.97	96.80 3.08 -63.30	103.11 2.74 -73.09	96.75 3.57 -55.82	75.26 3.19 -39.41
MONGAUP___HYD 23641	95.28 1.24 -59.61	68.90 -0.35 -80.12	70.52 -0.74 -95.90	81.00 -0.57 -102.02	58.39 -0.39 -72.45	43.64 -0.08 -46.33	69.83 0.13 -66.80	58.23 1.47 -24.83	59.88 2.72 -1.20	58.02 1.66 -12.36	47.10 1.71 0.00	46.81 1.63 0.00	47.25 1.09 0.00	51.28 1.10 0.00	53.89 1.67 0.00	83.60 3.01 0.00	82.51 3.19 0.00	102.24 4.30 -2.96	100.01 1.09 -75.10	119.08 1.30 -92.13	77.91 1.56 -45.93	81.67 1.36 -53.03	79.59 1.77 -40.46	62.71 1.47 -28.57
MONTAUK___DIESEL 23721	102.41 1.96 -66.03	77.03 -0.85 -88.75	79.76 -1.82 -106.22	91.17 -1.38 -113.00	65.76 -0.83 -80.24	48.65 -0.05 -51.31	76.91 0.03 -73.97	59.52 0.09 -27.48	58.25 0.96 -1.33	58.87 1.06 -13.81	47.65 2.26 0.00	47.90 2.73 0.00	48.46 2.30 0.00	53.21 3.04 0.00	55.77 3.54 0.00	85.96 5.38 0.00	83.91 4.58 0.00	103.21 4.95 -3.28	107.39 0.39 -83.17	128.11 0.42 -102.04	81.78 0.49 -50.87	86.54 0.53 -58.73	82.69 0.52 -44.81	64.57 0.16 -31.75
MOONROAD_115KV_HARTFLD_TB1-2 355988	45.22 -1.95 -12.74	6.97 0.72 -17.13	-3.03 1.11 -20.50	2.20 0.83 -21.81	2.38 0.56 -15.48	7.34 0.10 -9.84	16.48 -0.13 -13.70	33.68 -1.06 -2.81	52.83 0.03 3.15	44.37 0.50 0.11	42.32 0.05 3.12	42.36 0.18 2.99	42.79 -0.05 3.32	46.52 -0.26 3.40	48.33 -0.75 3.15	75.49 -1.54 3.55	74.13 -1.51 3.69	88.94 -2.46 3.58	36.13 -0.68 -12.98	41.38 -0.62 -16.36	36.43 -0.92 -6.93	35.82 -0.84 -9.39	43.12 -0.68 -6.43	37.11 -0.49 -4.94

MORRIS_RIDGE___SOLAR 323848	46.83 -2.22 -14.62	9.53 0.75 -19.65	0.56 1.69 -23.52	5.85 1.29 -25.02	5.03 0.93 -17.76	7.78 0.17 -10.21	6.81 -0.19 -4.10	-15.78 -2.08 45.64	-17.80 -3.78 69.98	-17.80 -3.00 58.79	-22.10 -3.21 64.27	-19.75 -3.06 61.86	-25.80 -3.16 68.79	-23.78 -3.53 70.43	-17.02 -3.93 65.31	0.82 -6.23 73.54	-3.04 -5.90 76.47	1.00 -7.39 86.58	-23.48 -1.66 45.65	-23.36 -1.83 47.18	-20.69 -2.29 48.82	-2.49 -2.13 27.63	-1.52 -2.67 36.22	12.90 -2.39 17.38
MORTIMER_115KV_TB3 55949	42.39 -1.59 -9.55	2.35 0.39 -12.84	-8.56 0.71 -15.36	-3.65 0.46 -16.34	-1.76 0.30 -11.60	4.86 0.05 -7.42	13.55 -0.08 -10.72	35.11 -0.81 -3.99	54.71 -1.44 -0.19	44.15 -0.93 -1.10	44.22 -1.17 0.00	44.08 -1.10 0.00	44.99 -1.16 0.00	48.98 -1.20 0.00	50.66 -1.57 0.00	77.92 -2.67 0.00	76.83 -2.50 0.00	92.40 -3.05 -0.47	35.07 -0.79 -12.04	39.60 -0.81 -14.77	36.74 -1.05 -7.36	34.78 -1.00 -8.50	42.74 -1.11 -6.49	36.34 -0.91 -4.58
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	101.63 1.16 -66.04	77.57 -0.32 -88.77	80.97 -0.64 -106.24	92.16 -0.42 -113.02	66.28 -0.32 -80.26	48.64 -0.07 -51.33	77.02 0.13 -73.98	60.86 1.43 -27.49	60.20 2.91 -1.33	60.14 2.33 -13.82	47.79 2.40 0.00	47.44 2.27 0.00	48.24 2.09 0.00	52.41 2.22 0.00	54.53 2.30 0.00	83.94 3.35 0.00	82.23 2.90 0.00	102.12 3.87 -3.28	108.13 1.12 -83.19	128.85 1.13 -102.07	82.67 1.37 -50.88	87.32 1.30 -58.74	83.96 1.78 -44.82	65.76 1.46 -31.64
MUNSVILLE_WIND_PWR 323609	56.61 1.08 -21.10	17.25 -0.24 -28.36	8.68 -0.63 -33.95	15.08 -0.59 -36.11	11.60 -0.38 -25.65	13.75 -0.07 -16.43	27.02 0.11 -24.00	43.88 1.79 -10.15	61.00 2.79 -2.25	54.27 2.19 -8.09	49.17 2.11 -1.67	48.45 1.67 -1.60	49.87 1.94 -1.78	53.75 1.74 -1.83	55.40 1.48 -1.69	84.81 2.32 -1.90	83.34 2.04 -1.98	101.20 2.92 -3.31	52.95 0.89 -28.23	61.00 0.95 -34.41	49.21 0.98 -17.81	47.84 0.74 -19.82	53.89 1.01 -15.52	43.96 0.55 -10.74
N SALMON___HYD 24042	36.60 1.03 -1.14	-9.76 -0.42 -1.54	-23.88 -1.07 -1.84	-19.46 -0.96 -1.95	-12.90 -0.63 -1.39	-1.81 -0.09 -0.89	4.26 0.07 -1.28	33.14 0.73 -0.48	57.06 1.08 -0.02	44.69 0.57 -0.13	45.81 0.42 0.00	45.61 0.43 0.00	46.58 0.43 0.00	50.44 0.26 0.00	52.47 0.25 0.00	81.63 1.05 0.00	80.87 1.54 0.00	97.25 2.22 -0.06	25.70 0.43 -1.44	40.13 0.70 -13.78	113.67 0.83 -82.42	53.30 0.99 -25.04	43.70 1.11 -5.22	34.38 0.91 -0.80
N.AKRON__115KV_KNAPP 355671	43.37 -2.02 -10.96	4.31 0.45 -14.73	-6.39 0.62 -17.63	-1.40 0.30 -18.75	-0.15 0.20 -13.31	5.82 0.04 -8.39	13.84 -0.09 -11.03	30.23 -0.97 0.73	47.39 -1.59 6.98	37.91 -0.97 5.11	37.41 -1.39 6.59	37.48 -1.36 6.34	37.68 -1.44 7.04	41.47 -1.51 7.21	43.49 -2.06 6.68	69.53 -3.54 7.52	68.23 -3.27 7.82	82.55 -4.04 8.39	29.96 -4.04 -7.26	34.32 -1.13 -9.81	31.27 -1.45 -2.30	31.51 -1.36 -5.60	38.70 -1.38 -2.72	34.34 -1.09 -2.76
N.BELMOR_69_KV_BK1 55787	101.80 1.35 -66.03	77.40 -0.47 -88.75	80.62 -0.96 -106.22	91.87 -0.68 -113.00	66.07 -0.51 -80.24	48.61 -0.09 -51.31	77.00 0.13 -73.97	60.84 1.42 -27.48	60.40 3.11 -1.33	60.23 2.42 -13.81	48.11 2.72 0.00	47.96 2.79 0.00	48.58 2.42 0.00	52.99 2.81 0.00	54.94 2.71 0.00	84.38 3.80 0.00	82.71 3.39 0.00	102.49 4.24 -3.28	108.20 1.20 -83.17	129.07 1.38 -102.04	83.00 1.71 -50.87	87.64 1.63 -58.73	84.28 2.12 -44.81	66.55 1.61 -32.28
N.E_GEN_SANDY PD 24062	112.47 1.00 -77.04	88.09 -0.28 -99.24	93.57 -0.57 -118.78	105.46 -0.45 -126.36	75.78 -0.27 -89.71	54.71 -0.05 -57.37	84.16 0.10 -81.15	64.29 1.35 -31.00	60.16 2.75 -1.45	75.45 2.25 -29.20	48.06 2.36 -0.31	48.39 2.14 -1.09	48.10 1.95 0.00	52.02 1.83 0.00	54.19 1.67 -0.29	83.09 2.51 0.00	81.75 2.42 0.00	100.91 3.10 -2.83	108.51 0.83 -83.86	140.53 0.87 -114.02	88.28 1.03 -56.84	87.22 0.93 -59.01	89.13 1.28 -50.49	69.34 1.18 -35.50
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	98.48 0.91 -63.15	73.75 -0.25 -84.88	76.43 -0.52 -101.59	87.26 -0.37 -108.08	62.81 -0.27 -76.75	46.41 -0.06 -49.08	73.77 0.11 -70.75	59.41 1.18 -26.29	59.50 2.27 -1.28	58.93 1.78 -13.15	47.27 1.88 0.00	46.92 1.75 0.00	47.77 1.61 0.00	51.91 1.73 0.00	54.06 1.84 0.00	83.36 2.77 0.00	81.68 2.35 0.00	101.27 3.16 -3.14	104.30 0.92 -79.55	124.20 0.95 -97.60	80.21 1.13 -48.66	84.49 1.04 -56.18	81.61 1.39 -42.86	64.04 1.12 -30.26
N.QUEENS_27_KV_LOAD 356247	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.22 -0.35 -113.02	66.30 -0.30 -80.26	48.63 -0.09 -51.33	77.01 0.12 -73.98	60.83 1.41 -27.49	60.22 2.93 -1.33	60.13 2.33 -13.82	47.86 2.47 0.00	47.48 2.31 0.00	48.25 2.09 0.00	52.47 2.29 0.00	54.56 2.33 0.00	83.83 3.25 0.00	82.12 2.79 0.00	102.05 3.80 -3.28	108.12 1.10 -83.19	128.84 1.13 -102.06	82.65 1.35 -50.88	87.31 1.29 -58.74	84.01 1.83 -44.82	65.76 1.45 -31.64
N.TROY___115KV_TB1 355778	116.73 1.19 -81.11	97.80 -0.35 -109.01	105.10 -0.74 -130.48	117.76 -0.59 -138.81	84.53 -0.37 -98.56	60.35 -0.07 -63.03	94.11 0.11 -91.09	67.07 1.23 -33.90	59.92 2.32 -1.64	109.16 1.93 -63.24	47.31 1.93 0.00	47.00 1.83 0.00	47.87 1.72 0.00	52.00 1.82 0.00	54.21 1.99 0.00	83.75 3.16 0.00	82.44 3.11 0.00	102.91 3.91 -4.03	126.98 0.99 -102.16	152.04 1.05 -125.34	94.14 1.24 -62.48	100.54 1.11 -72.15	93.97 1.50 -55.11	72.93 1.35 -38.91
NARROWS_GT1_1 24228	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT1_2 24229	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT1_3 24230	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT1_4 24231	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97

NARROWS_GT1_5 24232	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT1_6 24233	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT1_7 24234	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT1_8 24235	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_1 24236	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_2 24237	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_3 24238	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_4 24239	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_5 24240	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_6 24241	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_7 24242	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NARROWS_GT2_8 24243	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	112.53 1.85 -76.26	91.09 -0.53 -102.50	96.86 -1.17 -122.67	109.09 -0.97 -130.50	78.37 -0.64 -92.67	56.53 -0.13 -59.26	88.75 0.15 -85.69	65.60 1.76 -31.90	60.77 3.26 -1.55	75.08 2.56 -28.53	47.95 2.56 0.00	47.65 2.48 0.00	48.56 2.40 0.00	53.05 2.87 0.00	55.49 3.27 0.00	85.81 5.22 0.00	84.67 5.34 0.00	105.56 6.79 -3.78	121.54 1.67 -96.04	145.23 1.76 -117.83	91.21 2.05 -58.74	96.88 1.78 -67.82	91.52 2.38 -51.78	71.26 2.04 -36.56
NCHELSEA_115KV_TR2 355582	101.32 1.32 -65.58	76.89 -0.37 -88.14	80.08 -0.78 -105.49	91.19 -0.59 -112.23	65.63 -0.41 -79.69	48.27 -0.08 -50.96	76.52 0.13 -73.48	60.74 1.50 -27.31	60.23 2.95 -1.32	60.19 2.34 -13.85	47.81 2.42 0.00	47.49 2.32 0.00	48.30 2.15 0.00	52.51 2.32 0.00	54.67 2.45 0.00	84.36 3.77 0.00	82.74 3.41 0.00	102.67 4.43 -3.26	107.74 1.22 -82.68	128.37 1.28 -101.44	82.50 1.51 -50.57	87.03 1.36 -58.39	83.72 1.81 -44.54	65.61 1.49 -31.45
NEG CAPITAL___MECHNVIL 23645	118.36 1.97 -81.96	98.70 -0.58 -110.16	105.93 -1.27 -131.84	118.77 -1.04 -140.26	85.26 -0.68 -99.59	60.95 -0.13 -63.69	95.14 0.18 -92.05	68.27 2.07 -34.26	61.35 3.73 -1.66	116.15 2.97 -69.19	48.24 2.85 0.00	48.00 2.83 0.00	48.88 2.72 0.00	53.14 2.96 0.00	55.45 3.23 0.00	85.84 5.26 0.00	84.58 5.26 0.00	105.60 6.55 -4.07	128.77 1.65 -103.29	154.14 1.77 -126.73	95.62 2.02 -63.17	102.02 1.79 -72.95	95.45 2.37 -55.71	74.10 2.09 -39.34

NEG CENTRAL_HIGH_ACRES 23767	41.82 -1.87 -9.26	2.08 0.50 -12.45	-8.74 1.01 -14.89	-3.89 0.72 -15.85	-1.93 0.48 -11.25	4.67 0.08 -7.19	13.19 -0.11 -10.39	34.67 -1.13 -3.87	54.07 -2.08 -0.19	43.60 -1.45 -1.06	43.76 -1.63 0.00	43.61 -1.56 0.00	44.53 -1.63 0.00	48.45 -1.73 0.00	50.18 -2.04 0.00	77.21 -3.38 0.00	76.11 -3.22 0.00	91.59 -3.85 -0.46	34.54 -0.95 -11.67	38.95 -1.01 -14.32	36.26 -1.29 -7.14	34.29 -1.23 -8.24	42.13 -1.52 -6.29	35.81 -1.29 -4.44
NEG CENTRAL___DRP 24199	43.75 -0.62 -9.95	2.70 0.20 -13.37	-8.25 0.38 -16.00	-3.16 0.26 -17.02	-1.40 0.18 -12.09	5.20 0.03 -7.78	14.60 -0.02 -11.71	38.21 -0.18 -6.46	58.67 -0.62 -3.34	47.43 -0.47 -3.91	47.77 -0.48 -2.87	47.51 -0.42 -2.76	48.73 -0.50 -3.07	52.75 -0.58 -3.14	54.46 -0.68 -2.92	82.71 -1.16 -3.28	81.71 -1.03 -3.41	98.04 -1.33 -4.39	39.10 -0.12 -15.39	43.99 -0.14 -18.49	40.51 -0.26 -10.35	37.62 -0.32 -10.66	45.75 -0.42 -8.81	38.12 -0.40 -5.86
NEG CENTRAL___INDECK 23768	46.30 -0.89 -12.76	6.53 0.25 -17.15	-3.62 0.49 -20.53	1.62 0.23 -21.84	2.04 0.20 -15.51	7.90 0.03 -10.48	23.22 -0.02 -20.33	62.35 -0.17 -30.58	90.05 -0.47 -34.56	76.84 -0.39 -33.24	75.79 -0.97 -31.37	74.28 -1.09 -30.20	78.66 -1.09 -33.59	83.76 -0.81 -34.39	83.19 -0.93 -31.89	114.95 -1.54 -35.90	115.54 -1.13 -37.33	137.05 -1.19 -43.26	71.07 -0.11 -47.35	79.28 -0.15 -53.79	69.26 -0.33 -39.17	58.07 -0.40 -31.19	68.19 -0.36 -31.19	50.27 -0.42 -18.02
NEG CENTRAL___SENECA 23627	44.64 -0.66 -10.87	3.97 0.22 -14.61	-6.73 0.41 -17.49	-1.57 0.27 -18.61	-0.27 0.18 -13.21	5.95 0.03 -8.53	15.98 -0.01 -13.09	40.09 -0.09 -8.24	60.71 -0.49 -5.24	49.32 -0.35 -5.68	49.61 -0.37 -4.59	49.34 -0.25 -4.42	50.73 -0.34 -4.92	54.75 -0.46 -5.03	56.28 -0.61 -4.67	84.80 -1.04 -5.25	83.85 -0.94 -5.46	100.41 -1.34 -6.78	42.04 -0.07 -18.28	47.34 -0.10 -21.79	42.89 -0.20 -12.67	39.57 -0.29 -12.58	47.70 -0.35 -10.68	39.26 -0.36 -6.96
NEG CENTRAL___STATE_STREET 24147	43.86 -0.29 -9.72	2.27 0.07 -13.07	-8.90 0.10 -15.64	-3.77 0.04 -16.64	-1.82 0.02 -11.82	4.96 0.01 -7.56	13.82 -0.01 -10.91	35.93 -0.07 -4.06	55.81 -0.34 -0.20	44.86 -0.25 -1.12	45.10 -0.28 0.00	44.89 -0.28 0.00	45.82 -0.34 0.00	49.83 -0.35 0.00	51.80 -0.43 0.00	79.87 -0.71 0.00	78.78 -0.55 0.00	94.89 -0.57 -0.48	36.08 0.00 -12.25	40.85 0.01 -15.20	39.00 -0.07 -8.65	36.11 -0.16 -8.99	43.80 -0.23 -6.67	37.19 -0.13 -4.66
NEG MILLWOOD___DRP 24198	102.10 1.38 -66.30	77.84 -0.39 -89.11	81.20 -0.81 -106.65	92.40 -0.61 -113.46	66.48 -0.42 -80.57	48.82 -0.09 -51.52	77.32 0.14 -74.27	61.15 1.61 -27.60	60.43 3.13 -1.34	60.41 2.47 -13.94	47.93 2.54 0.00	47.60 2.43 0.00	48.44 2.28 0.00	52.66 2.48 0.00	54.81 2.58 0.00	84.51 3.92 0.00	82.94 3.62 0.00	103.00 4.73 -3.29	108.71 1.32 -83.56	129.54 1.37 -102.53	83.16 1.63 -51.11	87.76 1.47 -59.01	84.35 1.97 -45.02	66.06 1.61 -31.79
NEG NORTH_FLCN_SEA 23793	34.21 -0.22 0.00	-11.06 -0.19 0.00	-25.47 -0.83 0.00	-21.16 -0.71 0.00	-14.16 -0.49 0.00	-2.65 -0.05 0.00	2.86 -0.05 0.00	31.58 -0.36 0.00	55.44 -0.52 0.00	43.51 -0.48 0.00	44.65 -0.74 0.00	44.55 -0.62 0.00	45.63 -0.53 0.00	49.45 -0.73 0.00	51.04 -1.18 0.00	78.97 -1.62 0.00	78.29 -1.04 0.00	93.77 -1.21 0.00	23.20 -0.63 0.00	22.77 -0.63 2.24	8.42 -0.81 21.20	22.27 -0.52 4.49	35.64 -0.90 0.83	27.75 -0.76 4.15
NEG NORTH_KES_CHATEGAY 23792	34.26 -0.16 0.00	-10.94 -0.07 0.00	-25.03 -0.40 0.00	-20.84 -0.39 0.00	-13.95 -0.29 0.00	-2.63 -0.02 0.00	2.89 -0.02 0.00	31.70 -0.24 0.00	55.53 -0.43 0.00	43.50 -0.49 0.00	44.73 -0.66 0.00	44.57 -0.60 0.00	45.73 -0.42 0.00	49.61 -0.57 0.00	51.39 -0.84 0.00	79.43 -1.16 0.00	78.63 -0.70 0.00	94.21 -0.76 0.00	23.41 -0.42 0.00	22.43 -0.37 2.84	11.25 -0.45 18.72	21.33 -0.26 5.69	35.86 -0.45 1.05	32.64 -0.37 -0.34
NEG NORTH___ALICE_FALLS 23915	34.41 -0.02 0.00	-11.09 -0.22 0.00	-25.50 -0.87 0.00	-21.18 -0.73 0.00	-14.18 -0.52 0.00	-2.66 -0.06 0.00	2.89 -0.02 0.00	31.83 -0.10 0.00	55.87 -0.09 0.00	43.84 -0.15 0.00	44.97 -0.44 -0.03	44.79 -0.39 0.00	45.88 -0.28 0.00	49.79 -0.40 0.00	51.35 -0.88 0.00	79.51 -1.08 0.00	78.92 -0.41 0.00	94.63 -0.35 0.00	23.44 -0.39 0.00	22.94 -0.36 2.34	17.64 -0.48 12.30	22.36 -0.24 4.68	35.98 -0.52 0.87	34.64 -0.44 -2.41
NEG NORTH___LWR_SARANAC 23913	34.41 -0.02 0.00	-11.09 -0.22 0.00	-25.50 -0.87 0.00	-21.18 -0.73 0.00	-14.18 -0.52 0.00	-2.66 -0.06 0.00	2.89 -0.02 0.00	31.83 -0.10 0.00	55.87 -0.09 0.00	43.84 -0.15 0.00	44.94 -0.44 0.00	44.79 -0.39 0.00	45.88 -0.28 0.00	49.79 -0.40 0.00	51.35 -0.88 0.00	79.51 -1.08 0.00	78.92 -0.41 0.00	94.63 -0.35 0.00	23.44 -0.39 2.34	22.94 -0.36 2.34	17.64 -0.48 12.30	22.36 -0.24 4.68	35.98 -0.52 0.87	34.64 -0.44 -2.41
NEG NORTH___PLATTSBURG 23628	34.41 -0.02 0.00	-11.09 -0.22 0.00	-25.50 -0.87 0.00	-21.18 -0.73 0.00	-14.18 -0.52 0.00	-2.66 -0.06 0.00	2.89 -0.02 0.00	31.83 -0.10 0.00	55.87 -0.09 0.00	43.84 -0.15 0.00	44.94 -0.45 0.00	44.78 -0.39 0.00	45.88 -0.27 0.00	49.78 -0.40 0.00	51.35 -0.88 0.00	79.51 -1.08 0.00	78.91 -0.42 0.00	94.63 -0.35 0.00	23.44 -0.39 0.00	22.94 -0.36 2.34	17.64 -0.48 12.30	22.36 -0.24 4.68	35.97 -0.52 0.87	34.64 -0.43 -2.41
NEG WEST_LEA_LOCKPORT 23791	42.94 -2.81 -11.32	5.03 0.68 -15.22	-5.27 1.15 -18.22	-0.33 0.74 -19.38	0.60 0.50 -13.76	6.12 0.10 -8.63	13.69 -0.18 -10.96	27.44 -1.89 2.61	43.05 -3.19 9.72	34.29 -2.20 7.50	33.68 -2.61 9.10	33.87 -2.55 8.75	33.72 -2.71 9.73	37.25 -2.97 9.96	39.34 -3.65 9.23	64.11 -6.07 10.40	62.73 -5.79 10.81	76.02 -7.17 11.78	27.12 -1.93 -5.22	31.31 -1.99 -7.65	28.23 -2.43 -0.23	29.42 -2.19 -4.33	36.10 -2.43 -1.17	32.71 -1.94 -1.98
NEG WEST___LANCASTER 23811	46.00 -1.21 -12.78	6.56 0.26 -17.18	-3.80 0.28 -20.56	1.48 0.06 -21.87	1.92 0.06 -15.52	7.25 0.01 -9.85	16.39 -0.05 -13.53	33.46 -0.43 -1.96	51.12 -0.51 4.33	42.69 -0.15 1.15	40.73 -0.46 4.20	40.66 -0.47 4.03	41.07 -0.61 4.48	44.82 -0.77 4.59	46.68 -1.29 4.26	73.46 -2.34 4.79	72.14 -2.20 4.98	86.75 -3.17 5.06	34.86 -0.89 -11.92	39.98 -0.88 -15.21	35.21 -1.15 -5.93	34.99 -1.01 -8.72	42.16 -0.87 -5.67	36.50 -0.70 -4.54
NEG_PENN_ALLEGHNY 23528	56.15 -0.18 -21.90	18.67 0.11 -29.44	10.77 0.18 -35.23	17.16 0.12 -37.48	13.04 0.08 -26.62	14.43 0.01 -17.02	27.50 0.01 -24.58	41.21 0.13 -9.15	56.70 0.29 -0.44	49.48 0.25 -5.25	45.59 0.20 0.00	45.41 0.23 0.00	46.32 0.16 0.00	50.25 0.07 0.00	52.18 -0.05 0.00	80.45 -0.14 0.00	79.16 -0.17 0.00	95.64 -0.43 -1.09	51.41 0.00 -27.58	59.49 0.01 -33.84	47.23 -0.06 -16.87	46.66 -0.09 -19.48	52.19 -0.03 -14.86	43.04 -0.12 -10.49
NEG___GEN_MONROE 24207	42.62 -1.43 -9.62	2.38 0.32 -12.93	-8.69 0.47 -15.47	-3.79 0.20 -16.46	-1.85 0.12 -11.69	4.85 0.02 -7.45	13.36 -0.05 -10.50	34.22 -0.49 -2.77	53.57 -0.89 1.50	43.07 -0.52 0.39	43.01 -0.83 1.55	42.85 -0.84 1.49	43.64 -0.87 1.65	47.66 -0.83 1.69	49.48 -1.18 1.56	76.74 -2.08 1.76	75.61 -1.89 1.83	91.13 -2.23 1.61	33.82 -0.60 -10.59	38.25 -0.60 -13.21	35.58 -0.81 -5.97	34.06 -0.81 -7.59	41.97 -0.82 -5.43	36.04 -0.65 -4.03

NEPA__ENERGY 23901	45.88 -1.35 -12.81	6.78 0.43 -17.22	-3.46 0.57 -20.61	1.84 0.36 -21.92	2.16 0.25 -15.56	7.31 0.05 -9.87	16.37 -0.06 -13.52	33.20 -0.50 -1.76	50.93 -0.41 4.62	42.40 -0.19 1.40	40.38 -0.55 4.46	40.55 -0.35 4.27	40.90 -0.54 4.71	44.54 -0.81 4.83	46.46 -1.29 4.48	73.24 -2.31 5.04	71.82 -2.26 5.24	86.04 -3.59 5.34	34.72 -0.92 -11.80	39.85 -0.89 -15.09	34.99 -1.22 -5.79	34.87 -1.06 -8.65	41.96 -0.97 -5.57	36.31 -0.85 -4.49
NEVERSINK__HYD 23608	95.71 1.88 -59.41	68.43 -0.55 -79.85	69.73 -1.20 -95.57	80.26 -0.96 -101.67	57.87 -0.67 -72.20	43.43 -0.14 -46.17	69.70 0.19 -66.60	58.75 2.06 -24.76	60.99 3.84 -1.20	60.07 2.99 -13.09	48.46 3.07 0.00	48.14 2.97 0.00	48.88 2.73 0.00	53.13 2.95 0.00	55.47 3.24 0.00	85.69 5.11 0.00	84.14 4.81 0.00	104.14 6.22 -2.95	100.35 1.65 -74.87	119.24 1.74 -91.86	78.24 2.03 -45.79	81.94 1.79 -52.87	80.09 2.39 -40.34	63.17 2.02 -28.48
NEWKRMKL_115KV_TB1 55635	117.10 1.43 -81.24	97.90 -0.42 -109.19	105.14 -0.91 -130.69	117.84 -0.74 -139.03	84.57 -0.48 -98.72	60.43 -0.09 -63.13	94.40 0.11 -91.38	67.21 1.23 -34.04	59.90 2.29 -1.65	103.22 1.87 -57.36	47.31 1.92 0.00	47.10 1.93 0.00	48.00 1.85 0.00	52.31 2.13 0.00	54.74 2.51 0.00	84.56 3.97 0.00	83.23 3.90 0.00	103.93 4.93 -4.03	127.39 1.24 -102.31	152.48 1.31 -125.53	94.55 1.55 -62.58	100.88 1.35 -72.26	94.37 1.83 -55.18	73.21 1.59 -38.96
NEWTON__FALLS_HYD 23847	39.66 2.05 -3.19	-7.22 -0.64 -4.29	-20.70 -1.20 -5.14	-16.14 -1.15 -5.47	-10.44 -0.66 -3.88	-0.23 -0.11 -2.48	6.63 0.13 -3.58	34.47 1.20 -1.33	57.11 1.08 -0.06	44.64 0.28 -0.37	45.94 0.55 0.00	45.96 0.79 0.00	46.04 -0.12 0.00	49.56 -0.62 0.00	52.08 -0.15 0.00	81.85 1.27 0.00	81.09 1.76 0.00	97.99 2.85 -0.16	28.71 0.86 -4.02	36.45 1.34 -9.47	65.25 1.60 -33.23	40.97 1.79 -11.90	43.15 1.94 -3.85	35.71 1.42 -1.63
NGRID_A1_DSASP 323792	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.89 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.55 -3.84 7.57	35.73 -2.67 5.59	35.20 -3.06 7.13	35.36 -2.95 6.86	35.37 -3.17 7.62	38.85 -3.53 7.80	40.78 -4.21 7.23	65.39 -7.05 8.14	64.05 -6.81 8.47	77.47 -8.40 9.10	28.83 -2.29 -7.30	33.21 -2.37 -9.93	29.71 -2.87 -2.15	30.42 -2.52 -5.66	37.18 -2.83 -2.65	33.17 -2.27 -2.78
NGRID_A2_DSASP 323793	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.89 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.55 -3.84 7.57	35.73 -2.67 5.59	35.20 -3.06 7.13	35.36 -2.95 6.86	35.37 -3.17 7.62	38.85 -3.53 7.80	40.78 -4.21 7.23	65.39 -7.05 8.14	64.05 -6.81 8.47	77.47 -8.40 9.10	28.83 -2.29 -7.30	33.21 -2.37 -9.93	29.71 -2.87 -2.15	30.42 -2.52 -5.66	37.18 -2.83 -2.65	33.17 -2.27 -2.78
NGRID_A4_DSASP 323807	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.89 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.55 -3.84 7.57	35.73 -2.67 5.59	35.20 -3.06 7.13	35.36 -2.95 6.86	35.37 -3.17 7.62	38.85 -3.53 7.80	40.78 -4.21 7.23	65.39 -7.05 8.14	64.05 -6.81 8.47	77.47 -8.40 9.10	28.83 -2.29 -7.30	33.21 -2.37 -9.93	29.71 -2.87 -2.15	30.42 -2.52 -5.66	37.18 -2.83 -2.65	33.17 -2.27 -2.78
NIAGARA_115E_LBMP 323715	42.56 -3.29 -11.43	5.30 0.81 -15.37	-4.94 1.31 -18.39	-0.03 0.86 -19.56	0.81 0.58 -13.89	6.26 0.12 -8.75	14.14 -0.22 -11.45	28.61 -2.36 0.97	44.43 -3.99 7.54	35.64 -2.79 5.56	35.09 -3.19 7.11	35.24 -3.10 6.83	35.23 -3.33 7.59	38.74 -3.67 7.77	40.67 -4.35 7.21	65.22 -7.25 8.11	63.91 -6.98 8.44	77.35 -8.56 9.07	28.86 -2.32 -7.34	33.23 -2.40 -9.99	29.68 -2.92 -2.19	30.39 -2.58 -5.69	37.09 -2.94 -2.67	33.09 -2.37 -2.79
NIAGARA_115W_LBMP 323714	42.51 -3.32 -11.40	5.25 0.80 -15.33	-4.88 1.41 -18.34	0.01 0.94 -19.51	0.83 0.63 -13.86	6.26 0.12 -8.75	14.14 -0.22 -11.45	28.61 -2.36 1.28	44.41 -3.94 7.61	35.61 -2.76 5.62	35.07 -3.15 7.17	35.24 -3.04 6.89	35.24 -3.27 7.65	38.71 -3.63 7.84	40.64 -4.32 7.27	65.18 -7.22 8.18	63.87 -6.95 8.51	77.23 -8.59 9.15	28.74 -2.34 -7.25	33.10 -2.42 -9.88	29.60 -2.93 -2.11	30.34 -2.57 -5.63	37.07 -2.91 -2.61	33.10 -2.33 -2.76
NIAGARA_230_LBMP 323716	42.77 -2.94 -11.29	5.02 0.72 -15.17	-5.16 1.31 -18.16	-0.25 0.88 -19.32	0.64 0.58 -13.72	6.14 0.11 -8.64	13.97 -0.19 -11.25	28.69 -1.96 1.28	44.71 -3.32 7.92	35.80 -2.27 5.91	35.29 -2.64 7.46	35.47 -2.53 7.17	35.45 -2.75 7.96	38.97 -3.06 8.15	40.94 -3.72 7.56	65.80 -6.27 8.51	64.46 -6.01 8.85	77.94 -7.49 9.55	28.60 -2.05 -6.82	32.93 -2.11 -9.39	29.61 -2.56 -1.75	30.37 -2.25 -5.35	37.20 -2.49 -2.33	33.29 -1.97 -2.60
NIAGARA__115KV_198_GIBSON 55903	42.52 -3.31 -11.40	5.25 0.80 -15.33	-4.89 1.41 -18.34	0.01 0.95 -19.51	0.83 0.63 -13.86	6.26 0.12 -8.75	14.14 -0.22 -11.45	28.61 -2.35 0.97	44.38 -3.98 7.61	35.58 -2.79 5.62	34.99 -3.23 7.17	35.13 -3.15 6.89	35.16 -3.34 7.65	38.66 -3.68 7.84	40.56 -4.40 7.27	65.11 -7.29 8.18	63.80 -7.01 8.51	77.17 -8.66 9.15	28.72 -2.35 -7.25	33.10 -2.42 -9.88	29.62 -2.91 -2.11	30.31 -2.60 -5.63	37.05 -2.92 -2.61	33.08 -2.34 -2.76
NIAGARA____ 23760	42.89 -2.94 -11.40	5.20 0.72 -15.35	-4.96 1.31 -18.37	-0.03 0.88 -19.54	0.80 0.58 -13.87	6.25 0.11 -8.75	14.16 -0.19 -11.43	28.89 -1.96 1.08	44.91 -3.32 7.72	36.00 -2.27 5.72	35.45 -2.64 7.29	35.63 -2.53 7.01	35.62 -2.75 7.79	39.14 -3.06 7.98	41.10 -3.72 7.40	65.97 -6.27 8.34	64.64 -6.01 8.68	78.14 -7.49 9.34	28.85 -2.05 -7.07	33.20 -2.11 -9.67	29.82 -2.56 -1.96	30.54 -2.25 -5.52	37.40 -2.49 -2.53	33.44 -1.97 -2.75
NINE_MILE_1 23575	38.58 -1.17 -5.32	-3.36 0.36 -7.15	-15.30 0.79 -8.56	-10.72 0.63 -9.10	-6.77 0.43 -6.46	1.61 0.08 -4.13	8.77 -0.10 -5.97	33.03 -1.13 -2.22	53.88 -2.19 -0.11	42.92 -1.68 -0.61	43.65 -1.74 0.00	43.45 -1.73 0.00	44.35 -1.81 0.00	48.21 -1.97 0.00	50.14 -2.09 0.00	77.32 -3.27 0.00	76.13 -3.20 0.00	91.45 -3.79 -0.26	29.69 -0.84 -6.70	32.97 -0.89 -8.22	33.42 -1.10 -4.10	30.97 -1.04 -4.73	39.53 -1.45 -3.61	33.96 -1.25 -2.55
NINE_MILE_2 23744	38.56 -1.17 -5.30	-3.39 0.36 -7.13	-15.32 0.79 -8.53	-10.75 0.62 -9.07	-6.79 0.43 -6.44	1.60 0.08 -4.12	8.76 -0.10 -5.95	33.02 -1.13 -2.21	53.88 -2.19 -0.11	42.92 -1.68 -0.61	43.65 -1.74 0.00	43.45 -1.73 0.00	44.35 -1.81 0.00	48.21 -1.97 0.00	50.14 -2.09 0.00	77.32 -3.27 0.00	76.13 -3.20 0.00	91.46 -3.78 -0.26	29.67 -0.84 -6.68	32.94 -0.89 -8.20	33.41 -1.10 -4.09	30.96 -1.04 -4.72	39.52 -1.45 -3.60	33.95 -1.25 -2.54
NM_CAPITAL__DRP 24208	115.89 1.08 -80.38	96.85 -0.31 -108.03	104.01 -0.65 -129.30	116.57 -0.53 -137.55	83.67 -0.34 -97.67	59.79 -0.06 -62.46	93.41 0.08 -90.43	66.45 0.83 -33.69	59.19 1.60 -1.63	94.09 1.31 -48.79	46.75 1.36 0.00	46.52 1.34 0.00	47.41 1.26 0.00	51.68 1.49 0.00	54.10 1.88 0.00	83.52 2.93 0.00	82.14 2.81 0.00	102.52 3.55 -3.99	125.92 0.91 -101.18	150.74 0.95 -124.15	93.45 1.15 -61.88	99.74 1.01 -71.46	93.31 1.38 -54.57	72.42 1.22 -38.53

NM_CENTRAL___DRP 24181	41.09 -0.62 -7.28	-0.89 0.19 -9.79	-12.52 0.41 -11.71	-7.69 0.30 -12.46	-4.61 0.21 -8.85	3.09 0.04 -5.66	11.04 -0.04 -8.17	34.50 -0.47 -3.04	55.09 -1.02 -0.15	44.07 -0.76 -0.84	44.61 -0.79 0.00	44.42 -0.76 0.00	45.33 -0.83 0.00	49.28 -0.91 0.00	51.24 -0.98 0.00	79.03 -1.56 0.00	77.89 -1.44 0.00	93.67 -1.67 -0.36	32.70 -0.30 -9.17	36.82 -0.31 -11.49	37.20 -0.43 -7.21	33.76 -0.47 -6.95	41.72 -0.67 -5.03	35.53 -0.62 -3.49
NM_FRONTIER___DRP 24179	42.52 -3.31 -11.40	5.25 0.80 -15.33	-4.89 1.41 -18.34	0.01 0.95 -19.51	0.83 0.63 -13.86	6.26 0.12 -8.75	14.14 -0.22 -11.45	28.61 -2.35 0.97	44.38 -3.98 7.61	35.58 -2.79 5.62	34.99 -3.23 7.17	35.13 -3.15 6.89	35.16 -3.34 7.65	38.66 -3.68 7.84	40.56 -4.40 7.27	65.11 -7.29 8.18	63.80 -7.01 8.51	77.17 -8.66 9.15	28.72 -2.35 -7.25	33.10 -2.42 -9.88	29.62 -2.91 -2.11	30.31 -2.60 -5.63	37.05 -2.92 -2.61	33.08 -2.34 -2.76
NM_ST_REGIS___HYD 24053	39.44 2.70 -2.31	-8.66 -0.90 -3.10	-22.92 -2.00 -3.72	-18.28 -1.78 -3.96	-11.88 -1.03 -2.81	-0.97 -0.16 -1.80	5.66 0.16 -2.59	34.54 1.63 -0.96	58.12 2.12 -0.05	45.47 1.21 -0.27	46.62 1.23 0.00	46.47 1.30 0.00	46.86 0.70 0.00	50.51 0.33 0.00	53.04 0.81 0.00	83.24 2.65 0.00	82.40 3.08 0.00	99.71 4.62 -0.11	27.94 1.21 -2.91	38.83 1.87 -11.32	87.06 2.22 -54.41	47.33 2.49 -17.56	44.76 2.96 -4.44	36.33 2.39 -1.27
NORTHPORT___1 23551	101.55 1.09 -66.03	77.40 -0.48 -88.75	80.61 -0.97 -106.22	91.87 -0.68 -113.00	66.06 -0.52 -80.24	48.62 -0.08 -51.31	77.00 0.12 -73.97	60.64 1.22 -27.48	59.93 2.63 -1.33	59.84 2.04 -13.81	47.91 2.52 0.00	47.83 2.66 0.00	48.36 2.20 0.00	52.78 2.60 0.00	54.55 2.33 0.00	83.83 3.25 0.00	82.08 2.75 0.00	101.44 3.19 -3.28	107.94 0.93 -83.17	128.76 1.07 -102.04	82.68 1.39 -50.87	87.44 1.43 -58.73	84.06 1.89 -44.81	65.79 1.39 -31.73
NORTHPORT___2 23552	101.55 1.09 -66.03	77.40 -0.48 -88.75	80.61 -0.97 -106.22	91.87 -0.68 -113.00	66.06 -0.52 -80.24	48.62 -0.08 -51.31	77.00 0.12 -73.97	60.64 1.22 -27.48	59.93 2.63 -1.33	59.84 2.04 -13.81	47.91 2.52 0.00	47.83 2.66 0.00	48.36 2.20 0.00	52.78 2.60 0.00	54.55 2.33 0.00	83.83 3.25 0.00	82.08 2.75 0.00	101.44 3.19 -3.28	107.94 0.93 -83.17	128.76 1.07 -102.04	82.68 1.39 -50.87	87.44 1.43 -58.73	84.06 1.89 -44.81	65.79 1.39 -31.73
NORTHPORT___3 23553	101.49 1.04 -66.03	77.45 -0.42 -88.75	80.72 -0.86 -106.22	91.97 -0.58 -113.00	66.12 -0.46 -80.24	48.63 -0.08 -51.31	76.98 0.10 -73.97	60.59 1.17 -27.48	59.79 2.50 -1.33	59.75 1.95 -13.81	47.80 2.41 0.00	47.77 2.60 0.00	48.39 2.23 0.00	52.62 2.44 0.00	54.30 2.08 0.00	83.47 2.89 0.00	81.81 2.48 0.00	101.28 3.03 -3.28	107.88 0.88 -83.17	128.67 0.99 -102.04	82.65 1.36 -50.87	87.44 1.42 -58.73	84.03 1.86 -44.81	65.78 1.39 -31.73
NORTHPORT___4 23650	101.49 1.04 -66.03	77.45 -0.42 -88.75	80.72 -0.86 -106.22	91.97 -0.58 -113.00	66.12 -0.46 -80.24	48.63 -0.08 -51.31	76.98 0.10 -73.97	60.59 1.17 -27.48	59.79 2.50 -1.33	59.75 1.95 -13.81	47.80 2.41 0.00	47.77 2.60 0.00	48.39 2.23 0.00	52.62 2.44 0.00	54.30 2.08 0.00	83.47 2.89 0.00	81.81 2.48 0.00	101.28 3.03 -3.28	107.88 0.88 -83.17	128.67 0.99 -102.04	82.65 1.36 -50.87	87.44 1.42 -58.73	84.03 1.86 -44.81	65.78 1.39 -31.73
NORTHPORT___IC 23718	101.55 1.09 -66.03	77.40 -0.48 -88.75	80.61 -0.97 -106.22	91.87 -0.68 -113.00	66.06 -0.52 -80.24	48.62 -0.08 -51.31	77.00 0.12 -73.97	60.64 1.22 -27.48	59.92 2.63 -1.33	59.84 2.03 -13.81	47.92 2.53 0.00	47.84 2.67 0.00	48.36 2.20 0.00	52.79 2.61 0.00	54.56 2.33 0.00	83.85 3.27 0.00	82.09 2.76 0.00	101.45 3.20 -3.28	107.94 0.94 -83.17	128.76 1.07 -102.04	82.68 1.39 -50.87	87.44 1.43 -58.73	84.06 1.89 -44.81	65.78 1.39 -31.73
NORTH___COUNTRY_ESR 323785	34.19 -0.23 0.00	-10.92 -0.05 0.00	-24.96 -0.33 0.00	-20.76 -0.32 0.00	-13.91 -0.25 0.00	-2.62 -0.02 0.00	2.88 -0.02 0.00	31.61 -0.32 0.00	55.44 -0.52 0.00	43.47 -0.53 0.00	44.72 -0.67 0.00	44.56 -0.61 0.00	45.72 -0.44 0.00	49.59 -0.59 0.00	51.38 -0.84 0.00	79.42 -1.17 0.00	78.53 -0.80 0.00	93.94 -1.04 0.00	23.35 -0.48 0.00	22.35 -0.44 2.86	11.00 -0.53 18.89	21.25 -0.32 5.71	35.77 -0.53 1.06	32.52 -0.43 -0.29
NPX_GEN_1385_PROXY 323591	101.16 0.70 -66.03	77.40 -0.48 -88.75	31.29 -0.97 -56.90	32.30 -0.68 -53.43	36.27 -0.52 -50.46	55.60 -0.08 -58.30	124.67 0.12 -121.64	-12.75 1.22 45.91	13.69 2.63 44.91	76.82 2.04 -30.80	47.91 2.52 0.00	47.82 2.65 0.00	48.00 1.85 0.00	52.40 2.21 0.00	54.16 1.94 0.00	83.23 2.64 0.00	81.35 2.02 0.00	99.76 1.51 -3.28	107.39 0.47 -83.09	128.26 0.57 -102.04	82.20 0.91 -50.87	87.02 1.01 -58.73	83.74 1.57 -44.81	65.33 0.94 -31.73
NPX_GEN_CSC 323557	101.48 1.03 -66.03	77.29 -0.58 -88.75	80.37 -1.21 -106.22	91.68 -0.87 -113.00	65.95 -0.63 -80.24	48.64 -0.07 -51.31	77.85 0.10 -74.84	60.29 0.87 -27.48	59.31 2.02 -1.33	59.30 1.49 -13.81	47.72 2.33 0.00	47.67 2.50 0.00	48.13 1.97 0.00	52.79 2.61 0.00	54.69 2.46 0.00	84.03 3.44 0.00	81.85 2.52 0.00	101.33 3.07 -3.28	107.76 0.84 -83.09	128.64 0.95 -102.04	82.39 1.10 -50.87	87.11 1.10 -58.73	83.51 1.34 -44.81	65.31 0.90 -31.75
NSINS_S___GLNS_FALLS 23858	119.71 3.16 -82.13	98.58 -0.93 -110.39	105.41 -2.07 -132.13	118.40 -1.71 -140.56	85.03 -1.12 -99.81	61.00 -0.22 -63.82	95.45 0.29 -92.25	69.69 3.42 -34.33	63.84 6.23 -1.66	118.88 4.75 -70.14	49.72 4.33 0.00	49.73 4.55 0.00	50.51 4.35 0.00	54.92 4.74 0.00	57.46 5.24 0.00	89.19 8.60 0.00	88.06 8.73 0.00	109.84 10.78 -4.08	129.92 2.57 -103.52	155.44 2.78 -127.02	96.89 3.15 -63.32	103.19 2.80 -73.12	96.84 3.64 -55.84	75.33 3.24 -39.42
NUCOR_STEEL___DRP 24197	43.49 -0.32 -9.39	1.82 0.08 -12.62	-9.44 0.10 -15.10	-4.35 0.04 -16.07	-2.23 0.02 -11.41	4.70 0.01 -7.30	13.43 -0.01 -10.54	35.74 -0.11 -3.92	55.73 -0.42 -0.19	44.76 -0.30 -1.08	45.05 -0.34 0.00	44.83 -0.34 0.00	45.77 -0.39 0.00	49.77 -0.41 0.00	51.74 -0.48 0.00	79.75 -0.83 0.00	78.67 -0.66 0.00	94.78 -0.67 -0.47	35.62 -0.03 -11.83	40.29 -0.03 -14.68	38.73 -0.12 -8.42	35.79 -0.19 -8.70	43.53 -0.27 -6.44	37.00 -0.16 -4.50
NUMBER_THREE_WT_PWR 323818	38.83 0.93 -3.47	-6.47 -0.26 -4.66	-19.19 -0.13 -5.58	-14.83 -0.32 -5.93	-9.66 -0.21 -4.21	0.05 -0.04 -2.70	6.89 0.09 -3.89	33.98 0.60 -1.45	56.19 0.16 -0.07	43.84 -0.55 -0.40	45.41 0.02 0.00	45.80 0.63 0.00	45.67 -0.48 0.00	49.17 -1.01 0.00	51.54 -0.69 0.00	80.78 0.19 0.00	80.03 0.70 0.00	96.10 0.95 -0.17	28.62 0.43 -4.37	33.55 0.55 -7.35	47.29 0.70 -16.16	35.14 0.78 -7.08	41.02 0.57 -3.09	34.50 0.17 -1.66
NYISO_LBMP_REFERENCE 24008	34.43 0.00 0.00	-10.87 0.00 0.00	-24.64 0.00 0.00	-20.45 0.00 0.00	-13.66 0.00 0.00	-2.61 0.00 0.00	2.91 0.00 0.00	31.94 0.00 0.00	55.96 0.00 0.00	43.99 0.00 0.00	45.39 0.00 0.00	45.17 0.00 0.00	46.16 0.00 0.00	50.18 0.00 0.00	52.23 0.00 0.00	80.59 0.00 0.00	79.33 0.00 0.00	94.98 0.00 0.00	23.83 0.00 0.00	25.64 0.00 0.00	30.42 0.00 0.00	27.28 0.00 0.00	37.36 0.00 0.00	32.66 0.00 0.00

NYPA_BRENTWD____GT 24164	102.05 1.59 -66.03	77.29 -0.59 -88.75	80.37 -1.21 -106.22	91.67 -0.88 -113.00	65.92 -0.66 -80.24	48.59 -0.12 -51.31	77.03 0.16 -73.97	61.02 1.60 -27.48	60.53 3.24 -1.33	60.26 2.46 -13.81	48.33 2.94 0.00	48.26 3.08 0.00	48.81 2.65 0.00	53.29 3.11 0.00	55.22 2.99 0.00	84.89 4.31 0.00	83.13 3.80 0.00	102.08 3.83 -3.28	108.16 1.16 -83.17	129.16 1.47 -102.04	83.13 1.84 -50.87	87.79 1.78 -58.73	84.48 2.32 -44.81	66.18 1.75 -31.77
NYPA_GOWANUS____GT5 24156	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NYPA_GOWANUS____GT6 24157	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.43 -3.99	64.96 2.69 -18.28	60.27 2.92 -11.95	60.35 2.70 -12.49	62.83 2.57 -14.10	61.01 2.80 -8.03	67.66 2.88 -12.55	86.24 3.97 -1.68	82.82 3.50 0.00	103.00 4.74 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.54 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97
NYPA_HARLEM__RVR__GT1 24160	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.23 -0.34 -113.02	66.30 -0.29 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.79 1.37 -27.49	60.14 2.85 -1.33	60.05 2.25 -13.82	47.77 2.38 0.00	47.40 2.22 0.00	48.17 2.02 0.00	52.39 2.20 0.00	54.45 2.22 0.00	83.68 3.10 0.00	82.01 2.68 0.00	101.90 3.65 -3.28	108.09 1.08 -83.19	128.81 1.11 -102.06	82.61 1.32 -50.88	87.29 1.26 -58.74	83.98 1.81 -44.82	65.76 1.45 -31.64
NYPA_HARLEM__RVR__GT2 24161	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.23 -0.34 -113.02	66.30 -0.29 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.79 1.37 -27.49	60.14 2.85 -1.33	60.05 2.25 -13.82	47.77 2.38 0.00	47.40 2.22 0.00	48.17 2.02 0.00	52.39 2.20 0.00	54.45 2.22 0.00	83.68 3.10 0.00	82.01 2.68 0.00	101.90 3.65 -3.28	108.09 1.08 -83.19	128.81 1.11 -102.06	82.61 1.32 -50.88	87.29 1.26 -58.74	83.98 1.81 -44.82	65.76 1.45 -31.64
NYPA_KENT____GT 24152	102.84 1.35 -67.06	77.72 -0.38 -88.97	80.86 -0.74 -106.24	92.10 -0.48 -113.02	67.41 -0.39 -81.46	55.22 -0.09 -57.92	83.65 0.16 -80.59	61.54 1.63 -27.97	62.18 3.29 -2.93	63.06 2.57 -16.50	55.10 2.74 -6.96	55.02 2.55 -7.29	57.06 2.43 -8.48	57.66 2.64 -4.83	62.49 2.71 -7.55	85.38 3.78 -1.01	82.66 3.33 0.00	102.69 4.44 -3.28	105.62 1.27 -80.51	128.99 1.28 -102.06	80.69 1.55 -48.72	87.49 1.46 -58.74	90.31 2.06 -50.89	68.58 1.67 -34.25
NYPA_POUCH1____GT 24155	103.53 1.37 -67.74	77.85 -0.39 -89.11	80.89 -0.72 -106.24	92.12 -0.45 -113.02	68.20 -0.39 -82.26	59.58 -0.09 -62.28	88.02 0.16 -84.96	61.86 1.64 -28.28	62.76 3.24 -3.57	64.12 2.52 -17.62	60.16 2.82 -11.95	60.22 2.56 -12.49	62.69 2.44 -14.10	60.89 2.68 -8.03	67.53 2.75 -12.55	85.87 3.61 -1.67	82.46 3.16 0.03	102.70 4.44 -3.28	112.74 1.29 -87.62	128.99 1.29 -102.06	87.24 1.57 -55.25	87.49 1.46 -58.75	94.34 2.07 -54.91	70.34 1.71 -35.97
NYPA_VERNON____GT2 24162	102.08 1.26 -66.39	77.61 -0.35 -88.83	80.92 -0.68 -106.24	92.14 -0.43 -113.02	66.66 -0.34 -80.66	50.86 -0.08 -53.55	79.26 0.14 -76.21	61.12 1.53 -27.65	60.96 3.12 -1.88	61.20 2.48 -14.73	50.36 2.61 -2.35	50.09 2.46 -2.47	51.32 2.29 -2.87	54.29 2.47 -1.64	57.32 2.53 -2.55	84.55 3.63 -0.34	82.49 3.17 0.00	102.47 4.21 -3.28	107.34 1.22 -82.28	128.94 1.23 -102.06	82.05 1.48 -50.15	87.42 1.40 -58.74	86.17 1.94 -46.87	66.76 1.57 -32.52
NYPA_VERNON____GT3 24163	102.08 1.26 -66.39	77.61 -0.35 -88.83	80.92 -0.68 -106.24	92.14 -0.43 -113.02	66.66 -0.34 -80.66	50.86 -0.08 -53.55	79.26 0.14 -76.21	61.12 1.53 -27.65	60.96 3.12 -1.88	61.20 2.48 -14.73	50.36 2.61 -2.35	50.09 2.46 -2.47	51.32 2.29 -2.87	54.29 2.47 -1.64	57.32 2.53 -2.55	84.55 3.63 -0.34	82.49 3.17 0.00	102.47 4.21 -3.28	107.34 1.22 -82.28	128.94 1.23 -102.06	82.05 1.48 -50.15	87.42 1.40 -58.74	86.17 1.94 -46.87	66.76 1.57 -32.52
NYPA__ASTORIA_CC1 323568	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.21 2.40 -13.82	47.92 2.53 0.00	47.55 2.38 0.00	48.37 2.22 0.00	52.57 2.39 0.00	54.68 2.45 0.00	84.08 3.49 0.00	82.37 3.04 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.07 1.89 -44.82	65.82 1.52 -31.64
NYPA__ASTORIA_CC2 323569	101.68 1.21 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.18 -0.39 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.48 -27.49	60.33 3.04 -1.33	60.21 2.40 -13.82	47.92 2.53 0.00	47.55 2.38 0.00	48.37 2.22 0.00	52.57 2.39 0.00	54.68 2.45 0.00	84.08 3.49 0.00	82.37 3.04 0.00	102.34 4.09 -3.28	108.20 1.19 -83.19	128.91 1.20 -102.06	82.73 1.43 -50.88	87.38 1.36 -58.74	84.07 1.89 -44.82	65.82 1.52 -31.64
NYPA__HOLTSVILL 23794	101.62 1.16 -66.03	77.34 -0.54 -88.75	80.47 -1.11 -106.22	91.76 -0.79 -113.00	66.00 -0.58 -80.24	48.63 -0.08 -51.31	76.99 0.12 -73.97	60.62 1.20 -27.48	59.86 2.57 -1.33	59.74 1.94 -13.81	47.92 2.53 0.00	47.85 2.68 0.00	48.37 2.22 0.00	52.94 2.75 0.00	54.84 2.62 0.00	84.28 3.69 0.00	82.41 3.08 0.00	101.96 3.71 -3.28	108.04 1.04 -83.17	128.87 1.18 -102.04	82.78 1.49 -50.87	87.48 1.47 -58.73	84.03 1.87 -44.81	65.79 1.37 -31.75
NYPA____HELLGATE_GT1 24158	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.23 -0.34 -113.02	66.30 -0.29 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.34 -27.49	60.13 2.83 -1.33	60.05 2.25 -13.82	47.77 2.38 0.00	47.40 2.22 0.00	48.17 2.02 0.00	52.39 2.20 0.00	54.45 2.22 0.00	83.68 3.10 0.00	82.01 2.68 0.00	101.90 3.65 -3.28	108.09 1.08 -83.19	128.81 1.11 -102.06	82.61 1.32 -50.88	87.29 1.26 -58.74	83.98 1.81 -44.82	65.76 1.45 -31.64
NYPA____HELLGATE_GT2 24159	101.54 1.07 -66.04	77.60 -0.29 -88.76	81.04 -0.56 -106.24	92.23 -0.34 -113.02	66.30 -0.29 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.77 1.34 -27.49	60.13 2.83 -1.33	60.05 2.25 -13.82	47.77 2.38 0.00	47.40 2.22 0.00	48.17 2.02 0.00	52.39 2.20 0.00	54.45 2.22 0.00	83.68 3.10 0.00	82.01 2.68 0.00	101.90 3.65 -3.28	108.09 1.08 -83.19	128.81 1.11 -102.06	82.61 1.32 -50.88	87.29 1.26 -58.74	83.98 1.81 -44.82	65.76 1.45 -31.64
NYS_BARGE__HYD 23848	42.87 -2.79 -11.23	4.88 0.67 -15.09	-5.50 1.08 -18.06	-0.57 0.67 -19.21	0.43 0.45 -13.64	6.06 0.09 -8.58	13.87 -0.18 -11.13	28.66 -1.84 1.44	44.81 -3.07 8.08	35.86 -2.08 6.06	35.33 -2.46 7.60	35.49 -2.38 7.31	35.47 -2.57 8.12	39.04 -2.83 8.31	41.06 -3.47 7.71	66.04 -5.87 8.68	64.73 -5.57 9.02	78.34 -6.89 9.74	28.55 -1.87 -6.59	32.85 -1.93 -9.13	29.61 -2.38 -1.57	30.36 -2.12 -5.20	37.21 -2.33 -2.18	33.30 -1.87 -2.51

OAK ORCHARD___HYD 24046	42.39 -1.59 -9.55	2.35 0.39 -12.84	-8.56 0.72 -15.36	-3.65 0.46 -16.34	-1.76 0.30 -11.60	4.86 0.05 -7.42	13.55 -0.08 -10.72	35.12 -0.81 -3.99	54.73 -1.42 -0.19	44.18 -0.91 -1.10	44.27 -1.12 0.00	44.14 -1.04 0.00	45.03 -1.13 0.00	49.02 -1.16 0.00	50.71 -1.52 0.00	77.95 -2.63 0.00	76.86 -2.47 0.00	92.48 -2.97 -0.47	35.08 -0.78 -12.04	39.60 -0.81 -14.77	36.73 -1.05 -7.36	34.79 -0.99 -8.50	42.75 -1.10 -6.49	36.34 -0.90 -4.58
OAKDALE___35_KV_LOAD 356122	55.96 -0.22 -21.76	18.49 0.12 -29.25	10.57 0.20 -35.00	16.94 0.14 -37.24	12.88 0.10 -26.45	14.32 0.02 -16.91	27.33 0.00 -24.42	41.03 0.01 -9.09	56.47 0.07 -0.44	49.37 0.05 -5.33	45.40 0.01 0.00	45.28 0.10 0.00	46.20 0.05 0.00	50.13 -0.05 0.00	52.05 -0.18 0.00	80.24 -0.34 0.00	78.91 -0.42 0.00	95.36 -0.70 -1.08	51.16 -0.07 -27.40	59.18 -0.08 -33.62	47.02 -0.16 -16.76	46.47 -0.17 -19.35	51.99 -0.14 -14.77	42.90 -0.19 -10.43
OCC_CHEM___DRP 24175	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.90 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.53 -3.86 7.57	35.70 -2.70 5.59	35.12 -3.14 7.13	35.26 -3.06 6.86	35.29 -3.24 7.62	38.80 -3.58 7.80	40.70 -4.30 7.23	65.32 -7.12 8.14	64.00 -6.86 8.47	77.37 -8.50 9.10	28.81 -2.31 -7.30	33.21 -2.37 -9.93	29.71 -2.86 -2.15	30.39 -2.55 -5.66	37.15 -2.86 -2.65	33.16 -2.28 -2.78
OH_GEN_PROXY 24063	42.89 -2.86 -11.33	5.06 0.71 -15.22	-5.11 1.30 -18.22	-0.20 0.87 -19.38	0.68 0.58 -13.76	6.18 0.11 -8.68	15.05 -0.18 -12.32	29.46 -1.88 0.59	45.81 -3.16 7.00	36.75 -2.15 5.09	36.28 -2.50 6.61	36.44 -2.38 6.35	36.51 -2.59 7.06	40.07 -2.89 7.23	41.99 -3.54 6.70	67.06 -5.99 7.54	65.76 -5.73 7.84	79.44 -7.14 8.39	29.49 -1.96 -7.62	33.98 -2.03 -10.37	30.52 -2.47 -2.57	31.03 -2.17 -5.91	37.94 -2.38 -2.96	33.69 -1.90 -2.93
OLIN_CORP_DRP 24177	42.72 -3.21 -11.49	5.37 0.79 -15.45	-4.85 1.30 -18.49	0.07 0.85 -19.67	0.88 0.58 -13.96	6.31 0.12 -8.80	14.25 -0.21 -11.55	28.84 -2.28 0.82	44.70 -3.88 7.37	35.86 -2.72 5.41	35.28 -3.15 6.96	35.39 -3.09 6.69	35.44 -3.29 7.43	38.97 -3.61 7.61	40.86 -4.31 7.06	65.52 -7.12 7.94	64.22 -6.85 8.26	77.68 -8.43 8.86	29.12 -2.28 -7.57	33.54 -2.35 -10.24	29.96 -2.37 -2.37	30.58 -2.54 -5.84	37.31 -2.88 -2.82	33.24 -2.30 -2.88
OLIN_CORP_DSASP 323712	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.89 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.55 -3.84 7.57	35.73 -2.67 5.59	35.20 -3.06 7.13	35.36 -2.95 6.86	35.37 -3.17 7.62	38.85 -3.53 7.80	40.78 -4.21 7.23	65.39 -7.05 8.14	64.05 -6.81 8.47	77.47 -8.40 9.10	28.83 -2.29 -7.30	33.21 -2.37 -9.93	29.71 -2.87 -2.15	30.42 -2.52 -5.66	37.18 -2.83 -2.65	33.17 -2.27 -2.78
ONEIDA_HERK_LFGE 323681	38.23 0.95 -2.85	-7.31 -0.27 -3.83	-20.46 -0.41 -4.59	-15.99 -0.42 -4.88	-10.48 -0.28 -3.47	-0.45 -0.05 -2.21	6.20 0.09 -3.20	33.97 0.84 -1.19	57.16 1.14 -0.06	44.92 0.60 -0.33	46.25 0.86 0.00	46.27 1.09 0.00	46.74 0.58 0.00	50.60 0.42 0.00	52.90 0.67 0.00	82.18 1.60 0.00	81.19 1.86 0.00	97.48 2.36 -0.14	28.11 0.69 -3.59	31.74 0.77 -5.33	39.74 0.91 -8.42	32.51 0.86 -4.38	40.56 0.92 -2.28	34.65 0.62 -1.37
ONEIDA___115KV_TB4 55905	40.01 0.81 -4.77	-4.69 -0.23 -6.41	-17.44 -0.48 -7.67	-12.73 -0.44 -8.16	-8.17 -0.30 -5.80	1.03 -0.06 -3.71	8.35 0.10 -5.35	34.89 0.96 -1.99	57.61 1.55 -0.10	45.67 1.13 -0.55	46.66 1.28 0.00	46.51 1.34 0.00	47.27 1.11 0.00	51.31 1.13 0.00	53.58 1.35 0.00	82.83 2.24 0.00	81.72 2.39 0.00	98.06 2.85 -0.24	30.60 0.77 -6.01	34.24 0.82 -7.78	37.76 0.92 -6.42	33.12 0.79 -5.05	41.71 0.96 -3.39	35.66 0.71 -2.29
ONONDAGA_REF_OCCRA 23987	42.66 -0.37 -8.61	0.83 0.13 -11.57	-10.52 0.26 -13.86	-5.53 0.18 -14.74	-3.07 0.12 -10.46	4.11 0.02 -6.69	12.55 -0.02 -9.66	35.31 -0.22 -3.60	55.57 -0.56 -0.17	44.58 -0.40 -0.99	44.96 -0.42 0.00	44.78 -0.39 0.00	45.70 -0.46 0.00	49.67 -0.51 0.00	51.65 -0.57 0.00	79.71 -0.88 0.00	78.55 -0.78 0.00	94.58 -0.83 -0.43	34.59 -0.08 -10.85	39.08 -0.08 -13.52	38.32 -0.16 -8.06	35.13 -0.23 -8.08	42.92 -0.36 -5.92	36.44 -0.35 -4.13
ONONDAGA___COGEN 23986	42.26 -0.33 -8.16	0.21 0.11 -10.97	-11.30 0.21 -13.13	-6.34 0.14 -13.97	-3.64 0.10 -9.92	3.75 0.01 -6.34	12.06 -0.01 -9.16	35.16 -0.19 -3.41	55.57 -0.56 -0.16	44.53 -0.40 -0.94	44.96 -0.43 0.00	44.78 -0.40 0.00	45.68 -0.48 0.00	49.65 -0.53 0.00	51.63 -0.59 0.00	79.67 -0.91 0.00	78.57 -0.76 0.00	94.64 -0.74 -0.40	34.06 -0.05 -10.28	38.42 -0.06 -12.83	38.04 -0.13 -7.75	34.77 -0.20 -7.69	42.66 -0.33 -5.62	36.26 -0.32 -3.91
ONTARIO___LFGE 23819	44.63 -0.67 -10.87	3.97 0.22 -14.61	-6.73 0.41 -17.49	-1.57 0.27 -18.61	-0.26 0.18 -13.21	5.95 0.03 -8.53	15.98 -0.01 -13.09	40.08 -0.09 -8.24	60.71 -0.49 -5.24	49.33 -0.34 -5.68	49.63 -0.35 -4.59	49.35 -0.24 -4.42	50.74 -0.33 -4.92	54.76 -0.46 -5.03	56.30 -0.59 -4.67	84.81 -1.04 -5.25	83.85 -0.95 -5.46	100.45 -1.31 -6.78	42.03 -0.07 -18.28	47.34 -0.10 -21.79	42.89 -0.21 -12.67	39.57 -0.29 -12.58	47.70 -0.34 -10.68	39.26 -0.36 -6.96
ORANGEVILLE_WT_PWR 323706	45.53 -2.71 -13.82	8.54 0.85 -18.57	-0.55 1.87 -22.22	4.63 1.43 -23.64	4.15 1.02 -16.79	7.42 0.19 -9.83	8.48 -0.23 -5.81	-5.58 -2.53 34.99	-3.58 -4.46 55.08	-5.25 -3.45 45.79	-8.97 -3.73 50.63	-7.14 -3.58 48.73	-11.72 -3.69 54.19	-9.42 -4.13 55.48	-3.90 -4.67 51.45	15.22 -7.44 57.93	12.01 -7.08 60.23	18.07 -8.82 68.09	-11.27 -2.04 33.06	-10.19 -2.23 33.60	-9.03 -2.77 36.68	5.00 -2.57 19.72	7.22 -3.18 26.97	17.32 -2.76 12.59
ORANGEVILLE___ESR 323794	45.53 -2.71 -13.82	8.54 0.85 -18.57	-0.55 1.87 -22.22	4.63 1.43 -23.64	4.15 1.02 -16.79	7.42 0.19 -9.83	8.48 -0.23 -5.81	-5.58 -2.53 34.99	-3.58 -4.46 55.08	-5.25 -3.45 45.79	-8.97 -3.73 50.63	-7.14 -3.58 48.73	-11.72 -3.69 54.19	-9.42 -4.13 55.48	-3.90 -4.67 51.45	15.22 -7.44 57.93	12.01 -7.08 60.23	18.07 -8.82 68.09	-11.27 -2.04 33.06	-10.19 -2.23 33.60	-9.03 -2.77 36.68	5.00 -2.57 19.72	7.22 -3.18 26.97	17.32 -2.76 12.59
OSWEGATCHIE___HYD 24044	39.66 2.05 -3.19	-7.22 -0.64 -4.29	-20.70 -1.20 -5.14	-16.14 -1.15 -5.47	-10.44 -0.66 -3.88	-0.23 -0.11 -2.48	6.63 0.13 -3.58	34.47 1.20 -1.33	57.11 1.08 -0.06	44.64 0.28 -0.37	45.94 0.55 0.00	45.97 0.80 0.00	46.04 -0.12 0.00	49.55 -0.63 0.00	52.08 -0.15 0.00	81.85 1.27 0.00	81.09 1.76 0.00	97.99 2.85 -0.16	28.71 0.86 -4.02	36.45 1.34 -9.47	65.25 1.60 -33.23	40.97 1.79 -11.90	43.15 1.94 -3.85	35.71 1.42 -1.63
OSWEGO___5 23606	39.37 -0.97 -5.91	-2.63 0.30 -7.94	-14.49 0.64 -9.51	-9.83 0.51 -10.11	-6.13 0.35 -7.18	2.05 0.06 -4.59	9.46 -0.08 -6.63	33.51 -0.89 -2.47	54.34 -1.74 -0.12	43.34 -1.33 -0.68	44.00 -1.39 0.00	43.80 -1.37 0.00	44.71 -1.45 0.00	48.61 -1.56 0.00	50.55 -1.68 0.00	77.94 -2.64 0.00	76.76 -2.57 0.00	92.24 -3.03 -0.29	30.61 -0.66 -7.44	34.07 -0.70 -9.13	34.10 -0.87 -4.55	31.70 -0.84 -5.26	40.21 -1.16 -4.01	34.48 -1.02 -2.83

OSWEGO___6 23613	39.37 -0.97 -5.91	-2.63 0.30 -7.94	-14.49 0.64 -9.51	-9.83 0.51 -10.11	-6.13 0.35 -7.18	2.05 0.06 -4.59	9.46 -0.08 -6.63	33.51 -0.89 -2.47	54.34 -1.74 -0.12	43.34 -1.33 -0.68	44.00 -1.39 0.00	43.80 -1.37 0.00	44.71 -1.45 0.00	48.61 -1.56 0.00	50.55 -1.68 0.00	77.94 -2.64 0.00	76.76 -2.57 0.00	92.24 -3.03 -0.29	30.61 -0.66 -7.44	34.07 -0.70 -9.13	34.10 -0.87 -4.55	31.70 -0.84 -5.26	40.21 -1.16 -4.01	34.48 -1.02 -2.83
OUTOKUMPU-AB___DRP 24206	43.60 -2.40 -11.58	5.24 0.56 -15.56	-5.14 0.88 -18.62	-0.12 0.52 -19.81	0.75 0.35 -14.07	6.34 0.07 -8.88	14.48 -0.14 -11.71	29.90 -1.45 0.59	46.48 -2.34 7.15	37.29 -1.51 5.20	36.72 -1.92 6.75	36.85 -1.82 6.49	36.96 -1.98 7.21	40.57 -2.23 7.38	42.54 -2.84 6.85	68.04 -4.84 7.71	66.68 -4.64 8.02	80.55 -5.84 8.58	30.11 -1.60 -7.88	34.61 -1.63 -10.60	31.04 -2.01 -2.63	31.51 -1.81 -6.05	38.50 -1.90 -3.03	34.16 -1.50 -3.00
OXBOW___BTM 323836	43.05 -2.88 -11.50	5.27 0.69 -15.45	-4.98 1.16 -18.49	-0.02 0.76 -19.67	0.81 0.50 -13.97	6.30 0.09 -8.82	14.31 -0.18 -11.59	29.27 -1.90 0.77	45.47 -3.13 7.35	36.49 -2.11 5.39	35.94 -2.50 6.94	36.11 -2.39 6.67	36.15 -2.59 7.41	39.70 -2.89 7.59	41.66 -3.53 7.04	66.68 -5.99 7.92	65.32 -5.77 8.24	78.98 -7.16 8.84	29.46 -1.96 -7.59	33.90 -2.02 -10.27	30.34 -2.47 -2.39	30.96 -2.18 -5.86	37.80 -2.40 -2.84	33.63 -1.92 -2.89
OXBOW___ 24026	43.05 -2.87 -11.50	5.27 0.69 -15.45	-4.98 1.16 -18.49	-0.02 0.76 -19.67	0.81 0.50 -13.97	6.30 0.09 -8.82	14.32 -0.18 -11.59	29.28 -1.90 0.77	45.44 -3.16 7.35	36.45 -2.15 5.39	35.87 -2.58 6.94	36.00 -2.50 6.67	36.09 -2.66 7.41	39.64 -2.95 7.59	41.58 -3.61 7.04	66.61 -6.06 7.92	65.26 -5.83 8.24	78.89 -7.25 8.84	29.44 -1.98 -7.59	33.89 -2.02 -10.27	30.35 -2.46 -2.39	30.93 -2.21 -5.86	37.77 -2.43 -2.84	33.62 -1.93 -2.89
OXY_CHEM_DSASP 323612	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.90 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.53 -3.86 7.57	35.70 -2.70 5.59	35.12 -3.14 7.13	35.26 -3.06 6.86	35.29 -3.24 7.62	38.80 -3.58 7.80	40.70 -4.30 7.23	65.32 -6.86 8.14	64.00 -6.86 8.47	77.37 -8.50 9.10	28.81 -2.31 -7.30	33.21 -2.37 -9.93	29.71 -2.86 -2.15	30.39 -2.55 -5.66	37.15 -2.86 -2.65	33.16 -2.28 -2.78
OZONE_PARK_ESR 323760	101.91 1.44 -66.04	77.49 -0.40 -88.76	80.79 -0.81 -106.24	92.02 -0.55 -113.02	66.18 -0.42 -80.25	48.62 -0.09 -51.32	77.04 0.16 -73.98	61.12 1.70 -27.49	60.72 3.42 -1.33	60.53 2.72 -13.82	48.18 2.79 0.00	47.80 2.62 0.00	48.62 2.47 0.00	52.80 2.62 0.00	54.95 2.72 0.00	84.59 4.01 0.00	82.89 3.57 0.00	102.93 4.68 -3.28	108.34 1.33 -83.18	129.08 1.37 -102.06	82.96 1.66 -50.88	87.58 1.56 -58.74	84.34 2.16 -44.81	66.07 1.76 -31.64
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.90 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.53 -3.86 7.57	35.70 -2.70 5.59	35.12 -3.14 7.13	35.26 -3.06 6.86	35.29 -3.24 7.62	38.80 -3.58 7.80	40.70 -4.30 7.23	65.32 -7.12 8.14	64.00 -6.86 8.47	77.37 -8.50 9.10	28.81 -2.31 -7.30	33.21 -2.37 -9.93	29.71 -2.86 -2.15	30.39 -2.55 -5.66	37.15 -2.86 -2.65	33.16 -2.28 -2.78
PACKARD___115KV_DUPONT_184 80571	42.59 -3.25 -11.42	5.25 0.78 -15.34	-4.90 1.38 -18.36	0.01 0.92 -19.53	0.83 0.62 -13.87	6.26 0.12 -8.76	14.16 -0.21 -11.47	28.71 -2.28 0.94	44.53 -3.86 7.57	35.70 -2.70 5.59	35.12 -3.14 7.13	35.26 -3.06 6.86	35.29 -3.24 7.62	38.80 -3.58 7.80	40.70 -4.30 7.23	65.32 -7.12 8.14	64.00 -6.86 8.47	77.37 -8.50 9.10	28.81 -2.31 -7.30	33.21 -2.37 -9.93	29.71 -2.86 -2.15	30.39 -2.55 -5.66	37.15 -2.86 -2.65	33.16 -2.28 -2.78
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	101.66 1.20 -66.04	77.56 -0.33 -88.76	80.95 -0.65 -106.24	92.19 -0.38 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.80 1.37 -27.49	60.17 2.88 -1.33	60.07 2.26 -13.82	47.80 2.41 0.00	47.43 2.26 0.00	48.24 2.09 0.00	52.43 2.25 0.00	54.55 2.32 0.00	83.83 3.25 0.00	82.13 2.80 0.00	102.05 3.80 -3.28	108.15 1.13 -83.19	128.86 1.15 -102.06	82.68 1.38 -50.88	87.34 1.32 -58.74	84.07 1.90 -44.82	65.84 1.54 -31.64
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	102.20 1.73 -66.04	77.45 -0.45 -88.76	80.65 -0.95 -106.24	92.09 -0.48 -113.02	66.27 -0.32 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.80 1.38 -27.49	60.17 2.88 -1.33	60.07 2.26 -13.82	47.80 2.41 0.00	47.43 2.26 0.00	48.24 2.09 0.00	52.43 2.25 0.00	54.55 2.32 0.00	83.85 3.26 0.00	82.14 2.82 0.00	102.06 3.81 -3.28	108.15 1.13 -83.19	128.87 1.16 -102.06	82.69 1.39 -50.88	87.36 1.34 -58.74	84.17 1.99 -44.82	66.03 1.72 -31.64
PATROON___115KV_TB1 80586	117.09 1.43 -81.24	97.91 -0.41 -109.19	105.15 -0.90 -130.69	117.85 -0.73 -139.03	84.58 -0.48 -98.72	60.43 -0.09 -63.13	94.39 0.11 -91.38	67.18 1.21 -34.04	59.87 2.26 -1.65	103.19 1.85 -57.36	47.29 1.90 0.00	47.07 1.90 0.00	47.98 1.82 0.00	52.27 2.09 0.00	54.71 2.48 0.00	84.50 3.92 0.00	83.15 3.82 0.00	103.84 4.83 -4.03	127.36 1.22 -102.31	152.46 1.29 -125.53	94.53 1.53 -62.58	100.86 1.32 -72.26	94.35 1.80 -55.18	73.20 1.57 -38.96
PATTRSNVILLE___SOLAR 323815	120.57 1.12 -85.02	103.08 -0.33 -114.27	111.41 -0.73 -136.77	124.48 -0.58 -145.50	89.27 -0.38 -103.32	63.39 -0.08 -66.07	98.55 0.10 -95.54	68.53 1.02 -35.57	59.42 1.74 -1.72	122.16 1.29 -76.88	46.59 1.20 0.00	46.19 1.02 0.00	47.03 0.88 0.00	51.32 1.14 0.00	53.68 1.46 0.00	82.91 2.32 0.00	81.81 2.48 0.00	102.52 3.32 -4.22	131.88 0.89 -107.16	158.05 0.93 -131.48	97.06 1.10 -65.54	103.92 0.96 -75.68	96.43 1.28 -57.79	74.55 1.09 -40.80
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	45.45 -1.39 -12.41	6.11 0.30 -16.68	-4.32 0.35 -19.96	0.90 0.11 -21.24	1.50 0.09 -15.08	6.96 0.02 -9.55	15.82 -0.06 -12.98	32.62 -0.52 -1.20	50.12 -0.69 5.15	40.39 -0.25 3.35	39.85 -0.60 4.93	39.86 -0.57 4.74	40.18 -0.71 5.27	43.93 -0.86 5.39	45.81 -1.41 5.00	72.42 -2.54 5.63	71.11 -2.36 5.86	85.58 -3.32 6.07	33.62 -0.94 -10.73	38.56 -0.93 -13.85	34.17 -1.21 -4.96	34.13 -1.08 -7.93	41.30 -0.95 -4.89	36.00 -0.75 -4.08
PAWLING_115_KV_BK3_REV_LBMP_H 345028	102.10 1.38 -66.30	77.84 -0.39 -89.11	81.20 -0.81 -106.65	92.40 -0.61 -113.46	66.48 -0.42 -80.57	48.82 -0.09 -51.52	77.32 0.14 -74.27	61.15 1.61 -27.60	60.43 3.13 -1.34	60.41 2.47 -13.94	47.95 2.54 -0.03	47.60 2.43 0.00	48.44 2.28 0.00	52.66 2.48 0.00	54.81 2.58 0.00	84.51 3.92 0.00	82.94 3.62 0.00	103.00 4.73 -3.29	108.71 1.32 -83.56	129.54 1.37 -102.53	83.16 1.63 -51.11	87.76 1.47 -59.01	84.35 1.97 -45.02	66.06 1.61 -31.79
PEEKSKILL___ 23653	101.26 1.04 -65.79	77.26 -0.29 -88.43	80.62 -0.58 -105.84	91.73 -0.41 -112.59	65.99 -0.30 -79.95	48.46 -0.07 -51.13	76.72 0.12 -73.70	60.61 1.29 -27.38	59.84 2.55 -1.33	59.79 2.03 -13.77	47.49 2.10 0.00	47.14 1.97 0.00	47.93 1.77 0.00	52.11 1.93 0.00	54.22 1.99 0.00	83.56 2.98 0.00	81.96 2.64 0.00	101.77 3.53 -3.27	107.71 1.01 -82.87	128.37 1.05 -101.68	82.35 1.25 -50.69	86.96 1.16 -58.52	83.56 1.55 -44.64	65.44 1.26 -31.52

PGE MADISON___WINDPWR 24146	56.61 1.08 -21.10	17.25 -0.24 -28.36	8.68 -0.63 -33.95	15.08 -0.59 -36.11	11.60 -0.38 -25.65	13.75 -0.07 -16.43	27.02 0.11 -24.00	43.88 1.79 -10.15	61.00 2.79 -2.25	54.27 2.19 -8.09	49.17 2.11 -1.67	48.45 1.67 -1.60	49.87 1.94 -1.78	53.75 1.74 -1.83	55.40 1.48 -1.69	84.81 2.32 -1.90	83.34 2.04 -1.98	101.20 2.92 -3.31	52.95 0.89 -28.23	61.00 0.95 -34.41	49.21 0.98 -17.81	47.84 0.74 -19.82	53.89 1.01 -15.52	43.96 0.55 -10.74
PIERCEFIELD___HYD 23852	40.25 3.22 -2.61	-8.39 -1.04 -3.51	-22.69 -2.25 -4.20	-17.98 -2.01 -4.47	-11.62 -1.14 -3.18	-0.76 -0.18 -2.03	6.03 0.19 -2.93	34.92 1.89 -1.09	58.41 2.40 -0.05	45.68 1.39 -0.30	46.90 1.48 -0.03	46.74 1.57 0.00	46.93 0.78 0.00	50.51 0.33 0.00	53.22 0.99 0.00	83.71 3.13 0.00	82.85 3.52 0.00	100.41 5.30 -0.13	28.55 1.43 -3.29	38.54 2.21 -10.69	80.22 2.65 -47.15	45.84 2.95 -15.62	45.11 3.52 -4.23	36.89 2.84 -1.39
PINELAWN_CC_1 323563	101.84 1.38 -66.03	77.36 -0.51 -88.75	80.52 -1.06 -106.22	91.80 -0.75 -113.00	66.02 -0.56 -80.24	48.61 -0.10 -51.31	77.02 0.15 -73.97	60.93 1.51 -27.48	60.42 3.13 -1.33	60.15 2.35 -13.81	48.14 2.76 0.00	48.03 2.86 0.00	48.62 2.47 0.00	53.04 2.86 0.00	54.93 2.70 0.00	84.48 3.90 0.00	82.87 3.54 0.00	102.55 4.30 -3.28	108.23 1.23 -83.17	129.07 1.38 -102.04	83.02 1.73 -50.87	87.67 1.66 -58.73	84.34 2.17 -44.81	66.17 1.63 -31.88
PJM_GEN_HTP_PROXY 323702	101.55 1.09 -66.04	77.59 -0.30 -88.76	81.02 -0.57 -106.23	92.19 -0.38 -113.01	66.29 -0.30 -80.25	48.64 -0.07 -51.32	77.01 0.13 -73.98	62.00 1.37 -28.69	60.11 2.82 -1.33	60.06 2.26 -13.82	47.72 2.33 0.00	47.36 2.19 0.00	48.16 2.01 0.00	52.31 2.12 0.00	54.42 2.19 0.00	83.75 3.17 0.00	82.04 2.71 0.00	101.48 3.67 -2.84	99.01 1.07 -74.11	128.78 1.08 -102.06	82.61 1.31 -50.87	80.65 1.25 -52.12	83.95 1.71 -44.88	65.69 1.39 -31.64
PJM_GEN_KEystone 24065	74.65 -0.45 -40.67	43.94 0.14 -54.67	41.03 0.23 -65.43	49.33 0.17 -69.61	35.84 0.10 -49.39	28.99 0.01 -31.59	48.46 0.00 -45.55	50.13 0.06 -18.13	57.04 0.30 -0.79	52.79 0.27 -8.53	45.41 0.22 0.20	45.47 0.29 0.00	46.32 0.17 0.00	50.27 0.09 0.00	52.15 -0.08 0.00	80.26 -0.33 0.00	78.74 -0.59 0.01	95.76 -0.79 -1.58	65.83 -0.13 -42.14	88.36 -0.14 -62.86	61.51 -0.23 -31.32	56.65 -0.16 -29.54	65.00 -0.02 -27.65	52.08 -0.06 -19.48
PJM_GEN_NEPTUNE_PROXY 323594	101.52 1.07 -66.03	77.49 -0.39 -88.75	80.81 -0.77 -106.22	92.02 -0.53 -113.00	66.17 -0.41 -80.24	48.63 -0.07 -51.31	76.99 0.11 -73.97	61.85 1.23 -28.69	59.92 2.62 -1.33	59.85 2.04 -13.81	47.74 2.35 0.00	47.59 2.42 0.00	48.23 2.07 0.00	52.55 2.37 0.00	54.47 2.24 0.00	83.78 3.20 0.00	82.12 2.80 0.00	101.33 3.52 -2.84	98.94 1.01 -74.10	128.79 1.11 -102.04	82.69 1.40 -50.87	80.75 1.36 -52.11	84.01 1.78 -44.87	65.65 1.35 -31.64
PJM_GEN_VFT_PROXY 323633	101.36 0.90 -66.04	77.66 -0.23 -88.76	81.18 -0.42 -106.24	92.35 -0.21 -113.02	66.40 -0.19 -80.25	48.66 -0.05 -51.32	77.00 0.11 -73.98	61.76 1.13 -28.69	59.18 2.36 -0.86	58.81 1.90 -12.93	46.02 1.94 1.31	47.00 1.83 0.00	47.79 1.64 0.00	51.90 1.72 0.00	54.00 1.77 0.00	83.16 2.57 0.00	81.29 2.06 0.10	100.65 2.84 -2.83	98.82 0.88 -74.11	128.57 0.87 -102.06	82.35 1.06 -50.88	80.44 1.03 -52.12	83.68 1.44 -44.88	65.47 1.16 -31.64
PLATSBURG_115KV_PMLD1 355749	34.18 -0.25 0.00	-11.06 -0.19 0.00	-25.46 -0.82 0.00	-21.15 -0.70 0.00	-14.15 -0.49 0.00	-2.65 -0.05 0.00	2.86 -0.05 0.00	31.55 -0.39 0.00	55.39 -0.57 0.00	43.46 -0.53 0.00	44.61 -0.78 0.00	44.50 -0.67 0.00	45.58 -0.57 0.00	49.40 -0.77 0.00	51.01 -1.22 0.00	78.91 -1.68 0.00	78.23 -1.10 0.00	93.67 -1.30 0.00	23.17 -0.65 0.00	22.74 -0.66 2.24	8.21 -0.84 21.37	22.25 -0.54 4.49	35.60 -0.93 0.83	27.60 -0.79 4.28
PLEASANTVLY___LBMP 24000	103.83 0.96 -68.44	80.85 -0.26 -91.99	84.93 -0.53 -110.10	96.30 -0.38 -117.13	69.26 -0.26 -83.17	50.53 -0.05 -53.19	79.66 0.10 -76.66	61.54 1.12 -28.48	59.59 2.25 -1.38	60.21 1.80 -14.43	47.29 1.87 -0.03	46.94 1.77 0.00	47.74 1.59 0.00	51.85 1.67 0.00	53.95 1.72 0.00	83.15 2.57 0.00	81.64 2.31 0.00	101.46 3.08 -3.40	110.91 0.88 -86.20	132.31 0.90 -105.77	84.22 1.07 -52.72	89.13 0.98 -60.87	85.12 1.32 -46.44	66.55 1.10 -32.79
PLSNTVLE_13_KV_13.8KVDIST 80602	101.91 1.09 -66.39	78.06 -0.31 -89.23	81.56 -0.61 -106.80	92.74 -0.43 -113.62	66.70 -0.31 -80.68	48.92 -0.07 -51.59	77.40 0.12 -74.37	60.90 1.33 -27.64	59.94 2.64 -1.34	59.97 2.10 -13.88	47.58 2.19 0.00	47.23 2.06 0.00	48.02 1.87 0.00	52.18 2.00 0.00	54.31 2.08 0.00	83.68 3.10 0.00	82.09 2.77 0.00	101.96 3.69 -3.30	108.50 1.05 -83.63	129.33 1.08 -102.60	82.85 1.28 -51.15	87.52 1.19 -59.05	84.00 1.59 -45.05	65.78 1.31 -31.81
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	101.91 1.09 -66.39	78.06 -0.31 -89.23	81.56 -0.61 -106.80	92.74 -0.43 -113.62	66.70 -0.31 -80.68	48.92 -0.07 -51.59	77.40 0.12 -74.37	60.90 1.33 -27.64	59.94 2.64 -1.34	59.97 2.10 -13.88	47.58 2.19 0.00	47.23 2.06 0.00	48.02 1.87 0.00	52.18 2.00 0.00	54.31 2.08 0.00	83.68 3.10 0.00	82.09 2.77 0.00	101.96 3.69 -3.30	108.50 1.05 -83.63	129.33 1.08 -102.60	82.85 1.28 -51.15	87.52 1.19 -59.05	84.00 1.59 -45.05	65.78 1.31 -31.81
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	102.24 1.25 -66.56	78.24 -0.35 -89.46	81.71 -0.73 -107.08	92.92 -0.54 -113.91	66.86 -0.37 -80.89	49.04 -0.08 -51.73	77.61 0.12 -74.58	61.05 1.40 -27.71	60.07 2.76 -1.34	60.23 2.20 -14.04	47.67 2.28 0.00	47.35 2.18 0.00	48.17 2.02 0.00	52.34 2.15 0.00	54.49 2.26 0.00	84.03 3.45 0.00	82.50 3.17 0.00	102.49 4.18 -3.33	109.44 1.16 -84.44	130.46 1.21 -103.61	83.50 1.43 -51.65	88.19 1.29 -59.63	84.56 1.71 -45.49	66.19 1.41 -32.12
POLETTI___ 23519	101.58 1.12 -66.04	77.59 -0.31 -88.76	81.01 -0.59 -106.24	92.20 -0.37 -113.02	66.30 -0.29 -80.25	48.65 -0.07 -51.32	77.02 0.13 -73.98	60.78 1.35 -27.49	60.09 2.80 -1.33	60.05 2.24 -13.82	47.65 2.26 0.00	47.29 2.12 0.00	48.10 1.95 0.00	52.22 2.04 0.00	54.33 2.11 0.00	83.63 3.05 0.00	81.90 2.58 0.00	101.74 3.48 -3.28	108.04 1.02 -83.18	128.74 1.04 -102.06	82.56 1.26 -50.88	87.24 1.22 -58.74	83.94 1.77 -44.81	65.75 1.44 -31.64
POMONA___ESR 323819	98.49 0.91 -63.15	73.75 -0.25 -84.88	76.43 -0.52 -101.59	87.26 -0.37 -108.08	62.81 -0.27 -76.75	46.41 -0.06 -49.08	73.77 0.11 -70.75	59.41 1.18 -26.29	59.50 2.27 -1.28	58.93 1.79 -13.15	47.25 1.86 0.00	46.91 1.74 0.00	47.76 1.60 0.00	51.90 1.72 0.00	54.05 1.83 0.00	83.34 2.75 0.00	81.68 2.35 0.00	101.26 3.15 -3.14	104.30 0.92 -79.55	124.20 0.95 -97.60	80.21 1.13 -48.66	84.49 1.04 -56.18	81.61 1.39 -42.86	64.05 1.12 -30.26
PORT_JEFF_3 23555	101.72 1.27 -66.03	77.30 -0.57 -88.75	80.40 -1.18 -106.22	91.70 -0.85 -113.00	65.96 -0.63 -80.24	48.62 -0.09 -51.31	77.01 0.13 -73.97	60.74 1.32 -27.48	60.05 2.76 -1.33	59.88 2.07 -13.81	48.05 2.67 0.00	47.97 2.80 0.00	48.51 2.36 0.00	53.11 2.93 0.00	55.03 2.80 0.00	84.57 3.98 0.00	82.70 3.37 0.00	102.37 4.11 -3.28	108.15 1.15 -83.17	128.98 1.29 -102.04	82.90 1.61 -50.87	87.59 1.58 -58.73	84.18 2.01 -44.81	65.90 1.49 -31.75

PORT_JEFF_4 23616	101.72 1.27 -66.03	77.30 -0.57 -88.75	80.40 -1.18 -106.22	91.70 -0.85 -113.00	65.96 -0.63 -80.24	48.62 -0.09 -51.31	77.01 0.13 -73.97	60.74 1.32 -27.48	60.05 2.76 -1.33	59.88 2.07 -13.81	48.05 2.67 0.00	47.97 2.80 0.00	48.51 2.36 0.00	53.11 2.93 0.00	55.03 2.80 0.00	84.57 3.98 0.00	82.70 3.37 0.00	102.37 4.11 -3.28	108.15 1.15 -83.17	128.98 1.29 -102.04	82.90 1.61 -50.87	87.59 1.58 -58.73	84.18 2.01 -44.81	65.90 1.49 -31.75
PORT_JEFF_IC 23713	101.73 1.27 -66.03	77.31 -0.57 -88.75	80.40 -1.18 -106.22	91.71 -0.84 -113.00	65.96 -0.62 -80.24	48.62 -0.09 -51.31	77.01 0.14 -73.97	60.76 1.34 -27.48	60.09 2.80 -1.33	59.90 2.09 -13.81	48.08 2.69 0.00	47.99 2.82 0.00	48.54 2.38 0.00	53.14 2.96 0.00	55.07 2.84 0.00	84.63 4.04 0.00	82.75 3.42 0.00	102.45 4.20 -3.28	108.18 1.18 -83.17	129.01 1.32 -102.04	82.92 1.63 -50.87	87.59 1.58 -58.73	84.18 2.01 -44.81	65.90 1.49 -31.75
PPL PILGRIM_ST_GT1 24216	102.05 1.59 -66.03	77.29 -0.59 -88.75	80.37 -1.21 -106.22	91.67 -0.88 -113.00	65.92 -0.66 -80.24	48.59 -0.12 -51.31	77.03 0.16 -73.97	61.02 1.60 -27.48	60.53 3.24 -1.33	60.26 2.46 -13.81	48.33 2.94 0.00	48.26 3.08 0.00	48.81 2.65 0.00	53.29 3.11 0.00	55.22 2.99 0.00	84.89 4.31 0.00	83.13 3.80 0.00	102.08 3.83 -3.28	108.16 1.16 -83.17	129.16 1.47 -102.04	83.13 1.84 -50.87	87.79 1.78 -58.73	84.48 2.32 -44.81	66.18 1.75 -31.77
PPL PILGRIM_ST_GT2 24217	102.05 1.59 -66.03	77.29 -0.59 -88.75	80.37 -1.21 -106.22	91.67 -0.88 -113.00	65.92 -0.66 -80.24	48.59 -0.12 -51.31	77.03 0.16 -73.97	61.02 1.60 -27.48	60.53 3.24 -1.33	60.26 2.46 -13.81	48.33 2.94 0.00	48.26 3.08 0.00	48.81 2.65 0.00	53.29 3.11 0.00	55.22 2.99 0.00	84.89 4.31 0.00	83.13 3.80 0.00	102.08 3.83 -3.28	108.16 1.16 -83.17	129.16 1.47 -102.04	83.13 1.84 -50.87	87.79 1.78 -58.73	84.48 2.32 -44.81	66.18 1.75 -31.77
PPL_SHRM_GT3 24213	101.48 1.03 -66.03	77.28 -0.60 -88.75	80.34 -1.25 -106.22	91.65 -0.90 -113.00	65.93 -0.65 -80.24	48.64 -0.06 -51.31	76.97 0.10 -73.97	60.26 0.84 -27.48	59.24 1.95 -1.33	59.23 1.42 -13.81	47.68 2.29 0.00	47.63 2.46 0.00	48.08 1.92 0.00	52.79 2.61 0.00	54.69 2.46 0.00	84.01 3.42 0.00	81.77 2.44 0.00	101.30 3.05 -3.28	107.83 0.83 -83.17	128.63 0.94 -102.04	82.43 1.14 -50.87	87.15 1.14 -58.73	83.55 1.38 -44.81	65.36 0.94 -31.75
PPL_SHRM_GT4 24214	101.48 1.03 -66.03	77.28 -0.60 -88.75	80.34 -1.25 -106.22	91.65 -0.90 -113.00	65.93 -0.65 -80.24	48.64 -0.06 -51.31	76.97 0.10 -73.97	60.26 0.84 -27.48	59.24 1.95 -1.33	59.23 1.42 -13.81	47.68 2.29 0.00	47.63 2.46 0.00	48.08 1.92 0.00	52.79 2.61 0.00	54.69 2.46 0.00	84.01 3.42 0.00	81.77 2.44 0.00	101.30 3.05 -3.28	107.83 0.83 -83.17	128.63 0.94 -102.04	82.43 1.14 -50.87	87.15 1.14 -58.73	83.55 1.38 -44.81	65.36 0.94 -31.75
PROJECT___ORANGE 1 24174	41.17 -0.62 -7.36	-0.78 0.19 -9.90	-12.38 0.41 -11.84	-7.55 0.30 -12.60	-4.51 0.21 -8.95	3.15 0.04 -5.72	11.13 -0.04 -8.26	34.53 -0.48 -3.07	55.09 -1.02 -0.15	44.08 -0.75 -0.84	44.61 -0.78 0.00	44.42 -0.76 0.00	45.33 -0.82 0.00	49.28 -0.90 0.00	51.24 -0.98 0.00	79.03 -1.56 0.00	77.89 -1.44 0.00	93.67 -1.67 -0.37	32.80 -0.30 -9.27	36.94 -0.31 -11.61	37.23 -0.43 -7.24	33.82 -0.47 -7.01	41.77 -0.67 -5.08	35.58 -0.61 -3.53
PROJECT___ORANGE 2 24166	41.17 -0.62 -7.36	-0.78 0.19 -9.90	-12.38 0.41 -11.84	-7.55 0.30 -12.60	-4.51 0.21 -8.95	3.15 0.04 -5.72	11.13 -0.04 -8.26	34.53 -0.48 -3.07	55.09 -1.02 -0.15	44.08 -0.75 -0.84	44.61 -0.78 0.00	44.42 -0.76 0.00	45.33 -0.82 0.00	49.28 -0.90 0.00	51.24 -0.98 0.00	79.03 -1.56 0.00	77.89 -1.44 0.00	93.67 -1.67 -0.37	32.80 -0.30 -9.27	36.94 -0.31 -11.61	37.23 -0.43 -7.24	33.82 -0.47 -7.01	41.77 -0.67 -5.08	35.58 -0.61 -3.53
PUCKETT___SOLAR 323809	57.05 0.20 -22.43	19.27 0.01 -30.14	11.44 0.00 -36.08	17.90 -0.03 -38.38	13.56 -0.04 -27.26	14.82 0.00 -17.43	28.10 0.02 -25.17	41.74 0.43 -9.36	57.24 0.82 -0.45	50.47 0.47 -6.01	45.90 0.51 0.00	45.65 0.48 0.00	46.71 0.55 0.00	50.56 0.37 0.00	52.45 0.22 0.00	80.85 0.27 0.00	79.41 0.08 0.00	96.17 0.08 -1.11	52.21 0.14 -28.24	60.44 0.15 -34.65	47.78 0.09 -17.27	47.25 0.02 -19.94	52.67 0.09 -15.22	43.36 -0.05 -10.75
PYRITES___HYD 24023	41.28 4.24 -2.61	-8.71 -1.35 -3.51	-23.42 -2.99 -4.20	-18.62 -2.64 -4.47	-12.07 -1.58 -3.18	-0.85 -0.27 -2.03	6.14 0.30 -2.93	36.12 3.10 -1.09	60.26 4.25 -0.05	46.83 2.54 -0.30	47.97 2.58 0.00	47.78 2.61 0.00	47.75 1.60 0.00	51.29 1.11 0.00	54.47 2.24 0.00	85.99 5.41 0.00	85.53 6.20 0.00	104.16 9.06 -0.13	29.53 2.41 -3.29	39.58 3.25 -10.69	81.42 3.85 -47.15	46.88 3.98 -15.62	46.44 4.85 -4.23	37.99 3.94 -1.39
QUAKERRD_115KV_BK1 80622	41.64 -2.03 -9.24	2.10 0.55 -12.42	-8.65 1.11 -14.87	-3.82 0.81 -15.82	-1.89 0.54 -11.23	4.67 0.10 -7.18	13.16 -0.12 -10.38	34.48 -1.32 -3.86	53.73 -2.41 -0.19	43.33 -1.72 -1.06	43.45 -1.94 0.00	43.30 -1.87 0.00	44.22 -1.94 0.00	48.11 -2.07 0.00	49.81 -2.42 0.00	76.65 -3.93 0.00	75.56 -3.77 0.00	90.90 -4.54 -0.46	34.35 -1.14 -11.65	38.74 -1.19 -14.30	36.05 -1.50 -7.13	34.10 -1.41 -8.23	41.91 -1.73 -6.28	35.63 -1.47 -4.43
QUENSBRY_115KV_TB8 356137	119.90 3.31 -82.16	98.57 -0.98 -110.42	105.34 -2.18 -132.16	118.35 -1.79 -140.60	85.01 -1.17 -99.83	61.00 -0.23 -63.84	95.49 0.31 -92.28	69.87 3.59 -34.34	64.19 6.57 -1.66	119.25 4.99 -70.27	49.89 4.50 0.00	49.97 4.79 0.00	50.71 4.55 0.00	55.16 4.98 0.00	57.75 5.52 0.00	89.63 9.04 0.00	88.52 9.19 0.00	110.46 11.40 -4.08	130.08 2.69 -103.56	155.61 2.91 -127.06	97.06 3.30 -63.34	103.35 2.94 -73.14	97.04 3.83 -55.86	75.50 3.40 -39.44
RAMAPO___LBMP 323565	97.69 0.78 -62.49	72.91 -0.21 -83.99	75.45 -0.44 -100.53	86.19 -0.30 -106.94	62.05 -0.23 -75.94	45.90 -0.05 -48.57	73.02 0.10 -70.01	59.01 1.06 -26.02	59.24 2.02 -1.26	58.56 1.57 -13.00	47.04 1.65 0.00	46.70 1.52 0.00	47.55 1.39 0.00	51.68 1.50 0.00	53.82 1.59 0.00	82.98 2.40 0.00	81.33 2.01 0.00	100.83 2.75 -3.10	103.36 0.82 -78.72	123.06 0.83 -96.58	79.56 1.00 -48.14	83.77 0.91 -55.59	80.98 1.21 -42.41	63.58 0.98 -29.94
RANKINE____ 23646	44.73 -1.83 -12.12	5.84 0.42 -16.30	-4.55 0.59 -19.51	0.61 0.31 -20.75	1.29 0.22 -14.73	6.75 0.04 -9.32	15.38 -0.09 -12.56	31.73 -0.88 -0.68	48.94 -1.32 5.71	39.41 -0.71 3.88	38.85 -1.09 5.45	38.93 -1.01 5.23	39.18 -1.17 5.81	42.87 -1.35 5.95	44.75 -1.96 5.52	70.95 -3.42 6.21	69.65 -3.21 6.46	83.88 -4.31 6.78	32.50 -1.20 -9.87	37.31 -1.20 -12.86	33.16 -1.53 -4.27	33.28 -1.36 -7.36	40.37 -1.33 -4.34	35.38 -1.03 -3.76
RAVENSWOOD_GT2_1 24244	101.63 1.16 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.26	48.64 -0.07 -51.33	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.13 2.32 -13.82	47.79 2.40 0.00	47.42 2.25 0.00	48.24 2.09 0.00	52.40 2.22 0.00	54.52 2.29 0.00	83.90 3.31 0.00	82.19 2.86 0.00	102.08 3.83 -3.28	108.12 1.11 -83.19	128.83 1.12 -102.06	82.66 1.36 -50.88	87.31 1.29 -58.74	83.96 1.78 -44.82	65.76 1.46 -31.64

RAVENSWOOD_GT2_2 24245	101.63 1.16 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.26	48.64 -0.07 -51.33	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.13 2.32 -13.82	47.79 2.40 0.00	47.42 2.25 0.00	48.24 2.09 0.00	52.40 2.22 0.00	54.52 2.29 0.00	83.90 3.31 0.00	82.19 2.86 0.00	102.08 3.83 -3.28	108.12 1.11 -83.19	128.83 1.12 -102.06	82.66 1.36 -50.88	87.31 1.29 -58.74	83.96 1.78 -44.82	65.76 1.46 -31.64
RAVENSWOOD_GT2_3 24246	101.65 1.18 -66.04	77.57 -0.33 -88.76	80.97 -0.63 -106.24	92.16 -0.41 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.13 -73.98	60.86 1.43 -27.49	60.22 2.92 -1.33	60.15 2.34 -13.82	47.81 2.42 0.00	47.45 2.28 0.00	48.27 2.11 0.00	52.42 2.24 0.00	54.54 2.31 0.00	83.95 3.36 0.00	82.23 2.90 0.00	102.13 3.88 -3.28	108.13 1.12 -83.19	128.85 1.14 -102.06	82.68 1.38 -50.88	87.33 1.31 -58.74	83.98 1.81 -44.82	65.77 1.47 -31.64
RAVENSWOOD_GT2_4 24247	101.65 1.18 -66.04	77.57 -0.33 -88.76	80.97 -0.63 -106.24	92.16 -0.41 -113.02	66.28 -0.32 -80.26	48.64 -0.08 -51.33	77.02 0.13 -73.98	60.86 1.43 -27.49	60.22 2.92 -1.33	60.15 2.34 -13.82	47.81 2.42 0.00	47.45 2.28 0.00	48.27 2.11 0.00	52.42 2.24 0.00	54.54 2.31 0.00	83.95 3.36 0.00	82.23 2.90 0.00	102.13 3.88 -3.28	108.13 1.12 -83.19	128.85 1.14 -102.06	82.68 1.38 -50.88	87.33 1.31 -58.74	83.98 1.81 -44.82	65.77 1.47 -31.64
RAVENSWOOD_GT3_1 24248	101.63 1.16 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.26	48.64 -0.07 -51.33	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.13 2.32 -13.82	47.79 2.40 0.00	47.43 2.25 0.00	48.24 2.09 0.00	52.40 2.22 0.00	54.52 2.29 0.00	83.90 3.31 0.00	82.19 2.86 0.00	102.08 3.83 -3.28	108.12 1.11 -83.19	128.83 1.12 -102.06	82.66 1.36 -50.88	87.31 1.29 -58.74	83.97 1.79 -44.82	65.76 1.46 -31.64
RAVENSWOOD_GT3_2 24249	101.63 1.16 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.26	48.64 -0.07 -51.33	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.13 2.32 -13.82	47.79 2.40 0.00	47.43 2.25 0.00	48.24 2.09 0.00	52.40 2.22 0.00	54.52 2.29 0.00	83.90 3.31 0.00	82.19 2.86 0.00	102.08 3.83 -3.28	108.12 1.11 -83.19	128.83 1.12 -102.06	82.66 1.36 -50.88	87.31 1.29 -58.74	83.97 1.79 -44.82	65.76 1.46 -31.64
RAVENSWOOD_GT3_3 24250	101.69 1.22 -66.04	77.56 -0.33 -88.76	80.94 -0.66 -106.24	92.15 -0.43 -113.02	66.27 -0.33 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.47 -27.49	60.28 2.99 -1.33	60.20 2.39 -13.82	47.86 2.47 0.00	47.51 2.34 0.00	48.33 2.17 0.00	52.48 2.30 0.00	54.60 2.37 0.00	84.03 3.44 0.00	82.32 2.99 0.00	102.23 3.98 -3.28	108.17 1.15 -83.19	128.88 1.17 -102.06	82.71 1.41 -50.88	87.36 1.34 -58.74	84.02 1.85 -44.82	65.81 1.50 -31.64
RAVENSWOOD_GT3_4 24251	101.69 1.22 -66.04	77.56 -0.33 -88.76	80.94 -0.66 -106.24	92.15 -0.43 -113.02	66.27 -0.33 -80.26	48.64 -0.08 -51.33	77.02 0.14 -73.98	60.90 1.47 -27.49	60.28 2.99 -1.33	60.20 2.39 -13.82	47.86 2.47 0.00	47.51 2.34 0.00	48.33 2.17 0.00	52.48 2.30 0.00	54.60 2.37 0.00	84.03 3.44 0.00	82.32 2.99 0.00	102.23 3.98 -3.28	108.17 1.15 -83.19	128.88 1.17 -102.06	82.71 1.41 -50.88	87.36 1.34 -58.74	84.02 1.85 -44.82	65.81 1.50 -31.64
RAVENSWOOD_GT_1 23729	102.08 1.27 -66.39	77.61 -0.35 -88.83	80.92 -0.68 -106.24	92.14 -0.43 -113.02	66.66 -0.35 -80.66	50.86 -0.08 -53.55	79.27 0.14 -76.21	61.12 1.53 -27.65	60.97 3.14 -1.88	61.20 2.48 -14.73	50.36 2.62 -2.35	50.10 2.46 -2.47	51.34 2.31 -2.87	54.29 2.48 -1.64	57.34 2.56 -2.55	84.56 3.63 -0.34	82.51 3.18 0.00	102.48 4.23 -3.28	107.34 1.22 -82.28	128.94 1.23 -102.06	82.05 1.48 -50.15	87.42 1.40 -58.74	86.17 1.94 -46.87	66.76 1.57 -32.52
RAVENSWOOD_GT_10 24258	101.67 1.16 -66.08	77.58 -0.32 -88.77	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.33 -0.31 -80.31	48.90 -0.07 -51.58	77.28 0.13 -74.24	60.85 1.41 -27.51	60.25 2.90 -1.40	60.23 2.32 -13.92	48.05 2.39 -0.27	47.71 2.25 -0.28	48.57 2.09 -0.33	52.58 2.21 -0.19	54.80 2.28 -0.29	83.94 3.31 -0.04	82.18 2.85 0.00	102.08 3.83 -3.28	108.01 1.10 -83.08	128.83 1.12 -102.06	82.57 1.35 -50.79	87.31 1.29 -58.74	84.19 1.78 -45.05	65.86 1.45 -31.74
RAVENSWOOD_GT_11 24259	101.67 1.16 -66.08	77.58 -0.32 -88.77	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.33 -0.31 -80.31	48.90 -0.07 -51.58	77.28 0.13 -74.24	60.85 1.41 -27.51	60.25 2.90 -1.40	60.23 2.32 -13.92	48.05 2.39 -0.27	47.71 2.25 -0.28	48.57 2.09 -0.33	52.58 2.21 -0.19	54.80 2.28 -0.29	83.94 3.31 -0.04	82.18 2.85 0.00	102.08 3.83 -3.28	108.01 1.10 -83.08	128.83 1.12 -102.06	82.57 1.35 -50.79	87.31 1.29 -58.74	84.19 1.78 -45.05	65.86 1.45 -31.74
RAVENSWOOD_GT_4 24252	101.89 1.15 -66.31	77.63 -0.31 -88.82	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.59 -0.31 -80.57	50.34 -0.07 -53.02	78.72 0.13 -75.68	60.95 1.40 -27.61	60.57 2.86 -1.75	60.78 2.28 -14.51	49.54 2.36 -1.79	49.28 2.23 -1.88	50.38 2.04 -2.18	53.59 2.17 -1.25	56.42 2.25 -1.95	84.11 3.27 -0.26	82.14 2.82 0.00	102.00 3.74 -3.28	107.41 1.09 -82.50	128.81 1.11 -102.06	82.09 1.34 -50.32	87.30 1.28 -58.74	85.51 1.77 -46.38	66.41 1.44 -32.31
RAVENSWOOD_GT_5 24254	101.89 1.15 -66.31	77.63 -0.31 -88.82	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.59 -0.31 -80.57	50.34 -0.07 -53.02	78.72 0.13 -75.68	60.95 1.40 -27.61	60.57 2.86 -1.75	60.78 2.28 -14.51	49.54 2.36 -1.79	49.28 2.23 -1.88	50.38 2.04 -2.18	53.59 2.17 -1.25	56.42 2.25 -1.95	84.11 3.27 -0.26	82.14 2.82 0.00	102.00 3.74 -3.28	107.41 1.09 -82.50	128.81 1.11 -102.06	82.09 1.34 -50.32	87.30 1.28 -58.74	85.51 1.77 -46.38	66.41 1.44 -32.31
RAVENSWOOD_GT_6 24253	101.89 1.15 -66.31	77.63 -0.31 -88.82	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.59 -0.31 -80.57	50.34 -0.07 -53.02	78.72 0.13 -75.68	60.95 1.40 -27.61	60.57 2.86 -1.75	60.78 2.28 -14.51	49.54 2.36 -1.79	49.28 2.23 -1.88	50.38 2.04 -2.18	53.59 2.17 -1.25	56.42 2.25 -1.95	84.11 3.27 -0.26	82.14 2.82 0.00	102.00 3.74 -3.28	107.41 1.09 -82.50	128.81 1.11 -102.06	82.09 1.34 -50.32	87.30 1.28 -58.74	85.51 1.77 -46.38	66.41 1.44 -32.31
RAVENSWOOD_GT_7 24255	101.89 1.15 -66.31	77.63 -0.31 -88.82	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.59 -0.31 -80.57	50.34 -0.07 -53.02	78.72 0.13 -75.68	60.95 1.40 -27.61	60.57 2.86 -1.75	60.78 2.28 -14.51	49.54 2.36 -1.79	49.28 2.23 -1.88	50.38 2.04 -2.18	53.59 2.17 -1.25	56.42 2.25 -1.95	84.11 3.27 -0.26	82.14 2.82 0.00	102.00 3.74 -3.28	107.41 1.09 -82.50	128.81 1.11 -102.06	82.09 1.34 -50.32	87.30 1.28 -58.74	85.51 1.77 -46.38	66.41 1.44 -32.31
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	101.67 1.16 -66.08	77.58 -0.32 -88.77	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.33 -0.31 -80.31	48.90 -0.07 -51.58	77.28 0.13 -74.24	60.85 1.41 -27.51	60.25 2.90 -1.40	60.23 2.32 -13.92	48.05 2.39 -0.27	47.71 2.25 -0.28	48.57 2.09 -0.33	52.58 2.21 -0.19	54.80 2.28 -0.29	83.94 3.31 -0.04	82.18 2.85 0.00	102.08 3.83 -3.28	108.01 1.10 -83.08	128.83 1.12 -102.06	82.57 1.35 -50.79	87.31 1.29 -58.74	84.19 1.78 -45.05	65.86 1.45 -31.74

RAVENSWOOD_GT_9 24257	101.67 1.16 -66.08	77.58 -0.32 -88.77	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.33 -0.31 -80.31	48.90 -0.07 -51.58	77.28 0.13 -74.24	60.85 1.41 -27.51	60.25 2.90 -1.40	60.23 2.32 -13.92	48.05 2.39 -0.27	47.71 2.25 -0.28	48.57 2.09 -0.33	52.58 2.21 -0.19	54.80 2.28 -0.29	83.94 3.31 -0.04	82.18 2.85 0.00	102.08 3.83 -3.28	108.01 1.10 -83.08	128.83 1.12 -102.06	82.57 1.35 -50.79	87.31 1.29 -58.74	84.19 1.78 -45.05	65.86 1.45 -31.74
RAVENSWOOD___1 23533	101.37 1.24 -65.70	77.48 -0.34 -88.69	80.94 -0.67 -106.24	92.17 -0.40 -113.02	65.88 -0.32 -79.86	46.44 -0.08 -49.13	74.83 0.14 -71.78	60.76 1.50 -27.33	59.83 3.07 -0.80	59.36 2.44 -12.92	45.64 2.57 2.32	45.16 2.42 2.43	45.58 2.25 2.83	51.00 2.43 1.61	52.20 2.49 2.52	83.81 3.56 0.34	82.43 3.10 0.00	102.39 4.13 -3.28	109.11 1.21 -84.08	128.92 1.21 -102.06	83.47 1.45 -51.60	87.39 1.37 -58.74	82.04 1.89 -42.79	64.96 1.52 -30.77
RAVENSWOOD___2 23534	101.37 1.24 -65.70	77.48 -0.34 -88.69	80.94 -0.67 -106.24	92.17 -0.40 -113.02	65.88 -0.32 -79.86	46.44 -0.08 -49.13	74.83 0.14 -71.78	60.76 1.50 -27.33	59.83 3.07 -0.80	59.36 2.44 -12.92	45.64 2.57 2.32	45.16 2.42 2.43	45.58 2.25 2.83	51.00 2.43 1.61	52.20 2.49 2.52	83.81 3.56 0.34	82.43 3.10 0.00	102.39 4.13 -3.28	109.11 1.21 -84.08	128.92 1.21 -102.06	83.47 1.45 -51.60	87.39 1.37 -58.74	82.04 1.89 -42.79	64.96 1.52 -30.77
RAVENSWOOD___3 23535	101.63 1.16 -66.04	77.57 -0.32 -88.76	80.98 -0.62 -106.24	92.17 -0.40 -113.02	66.28 -0.31 -80.26	48.64 -0.07 -51.33	77.02 0.13 -73.98	60.84 1.41 -27.49	60.20 2.91 -1.33	60.12 2.32 -13.82	47.78 2.39 0.00	47.42 2.25 0.00	48.23 2.08 0.00	52.40 2.22 0.00	54.50 2.27 0.00	83.90 3.31 0.00	82.17 2.85 0.00	102.08 3.82 -3.28	108.12 1.11 -83.19	128.83 1.12 -102.06	82.66 1.36 -50.88	87.32 1.30 -58.74	83.97 1.79 -44.82	65.76 1.46 -31.64
RAVENSWOOD___4 23820	101.37 1.24 -65.70	77.48 -0.34 -88.69	80.94 -0.67 -106.24	92.17 -0.40 -113.02	65.88 -0.32 -79.86	46.44 -0.08 -49.13	74.83 0.14 -71.78	60.76 1.50 -27.33	59.83 3.07 -0.80	59.36 2.44 -12.92	45.64 2.57 2.32	45.16 2.42 2.43	45.58 2.25 2.83	51.00 2.43 1.61	52.20 2.49 2.52	83.81 3.56 0.34	82.43 3.10 0.00	102.39 4.13 -3.28	109.11 1.21 -84.08	128.92 1.21 -102.06	83.47 1.45 -51.60	87.39 1.37 -58.74	82.04 1.89 -42.79	64.96 1.52 -30.77
RCPL_TRUST___DRP 24196	101.55 1.09 -66.04	77.59 -0.30 -88.76	81.02 -0.57 -106.23	92.19 -0.38 -113.01	66.29 -0.30 -80.25	48.64 -0.07 -51.32	77.01 0.13 -73.98	60.82 1.39 -27.49	60.17 2.87 -1.33	60.11 2.30 -13.82	47.77 2.38 0.00	47.41 2.24 0.00	48.22 2.06 0.00	52.36 2.18 0.00	54.48 2.25 0.00	83.84 3.26 0.00	82.12 2.80 0.00	102.01 3.75 -3.28	108.10 1.09 -83.18	128.80 1.10 -102.06	82.63 1.33 -50.87	87.29 1.28 -58.74	83.92 1.75 -44.81	65.73 1.42 -31.64
RED___ROCHESTER 323720	42.56 -1.37 -9.51	2.22 0.31 -12.78	-8.79 0.55 -15.29	-3.86 0.32 -16.27	-1.90 0.21 -11.55	4.81 0.03 -7.39	13.52 -0.05 -10.67	35.34 -0.56 -3.97	55.18 -0.98 -0.19	44.52 -0.56 -1.09	44.61 -0.78 0.00	44.51 -0.66 0.00	45.42 -0.73 0.00	49.48 -0.70 0.00	51.18 -1.05 0.00	78.68 -1.90 0.00	77.60 -1.73 0.00	93.37 -2.08 -0.47	35.26 -0.55 -11.98	39.78 -0.56 -14.70	36.97 -0.77 -7.33	34.99 -0.75 -8.46	43.04 -0.78 -6.46	36.58 -0.64 -4.56
REGAN___SOLAR 323812	125.03 1.98 -88.63	107.64 -0.61 -119.12	116.56 -1.37 -142.57	130.11 -1.11 -151.67	93.29 -0.75 -107.70	66.11 -0.16 -68.87	102.69 0.20 -99.59	71.00 1.99 -37.08	60.85 3.09 -1.80	119.06 2.16 -72.92	47.37 1.98 0.00	46.69 1.52 0.00	47.72 1.56 0.00	52.21 2.03 0.00	54.71 2.49 0.00	84.52 3.93 0.00	83.75 4.42 0.00	105.45 6.07 -4.40	137.14 1.65 -111.65	164.38 1.75 -136.99	100.76 2.05 -68.29	107.88 1.75 -78.86	99.85 2.28 -60.21	77.08 1.91 -42.51
RENSSELAER___COGEN 23796	115.22 1.08 -79.71	95.96 -0.30 -107.13	102.95 -0.64 -128.23	115.44 -0.52 -136.41	82.86 -0.34 -96.86	59.27 -0.06 -61.94	92.62 0.08 -89.64	66.17 0.85 -33.39	59.20 1.62 -1.62	82.30 1.32 -37.00	46.75 1.36 0.00	46.48 1.32 0.00	47.40 1.25 0.00	51.64 1.46 0.00	54.01 1.78 0.00	83.37 2.79 0.00	82.00 2.67 0.00	102.35 3.42 -3.96	125.08 0.89 -100.36	149.70 0.92 -123.14	92.91 1.10 -61.38	99.12 0.96 -70.88	92.81 1.33 -54.12	72.03 1.16 -38.21
REPUBLIC_115KV_BARTNBRK 55605	121.67 5.12 -82.13	98.02 -1.50 -110.39	104.12 -3.36 -132.12	117.36 -2.74 -140.56	84.40 -1.74 -99.80	60.88 -0.34 -63.82	95.61 0.45 -92.25	71.69 5.42 -34.33	67.62 10.00 -1.66	121.38 7.25 -70.14	51.51 6.12 0.00	52.10 6.93 0.00	52.60 6.44 0.00	57.30 7.12 0.00	60.19 7.96 0.00	93.44 12.85 0.00	92.88 13.55 0.00	115.93 16.87 -4.08	131.33 3.98 -103.52	157.03 4.38 -127.02	98.82 5.08 -63.32	104.96 4.57 -73.12	99.23 6.03 -55.84	77.57 5.48 -39.42
REVERE_CPPR_DRP 24186	39.86 1.26 -4.17	-5.63 -0.37 -5.61	-18.65 -0.73 -6.71	-13.97 -0.66 -7.14	-9.04 -0.45 -5.07	0.54 -0.09 -3.24	7.72 0.13 -4.68	34.99 1.31 -1.74	58.18 2.13 -0.08	45.99 1.52 -0.48	47.11 1.72 0.00	47.02 1.85 0.00	47.67 1.51 0.00	51.70 1.52 0.00	54.08 1.85 0.00	83.74 3.15 0.00	82.71 3.38 0.00	99.33 4.15 -0.21	30.19 1.10 -5.25	33.88 1.20 -7.04	39.01 1.37 -7.22	33.39 1.22 -4.90	41.87 1.46 -3.05	35.77 1.11 -2.00
REYNOLDS_115KV_TB3 80639	115.68 0.99 -80.25	96.72 -0.27 -107.87	103.87 -0.59 -129.10	116.42 -0.47 -137.34	83.57 -0.29 -97.52	59.71 -0.05 -62.36	93.29 0.07 -90.31	66.30 0.70 -33.66	58.97 1.39 -1.63	95.02 1.15 -49.88	46.59 1.20 0.00	46.36 1.19 0.00	47.24 1.08 0.00	51.50 1.31 0.00	53.98 1.75 0.00	83.31 2.72 0.00	81.91 2.58 0.00	102.23 3.28 -3.98	125.70 0.83 -101.04	150.48 0.87 -123.96	93.27 1.06 -61.80	99.56 0.93 -71.36	93.15 1.29 -54.50	72.30 1.16 -38.48
RIVERBAY____ 323610	102.20 1.73 -66.04	77.45 -0.45 -88.76	80.65 -0.95 -106.24	92.09 -0.48 -113.02	66.27 -0.32 -80.26	48.64 -0.08 -51.33	77.01 0.12 -73.98	60.80 1.38 -27.49	60.17 2.88 -1.33	60.07 2.26 -13.82	47.80 2.41 0.00	47.43 2.26 0.00	48.24 2.09 0.00	52.43 2.25 0.00	54.55 2.32 0.00	83.85 3.26 0.00	82.14 2.82 0.00	102.06 3.81 -3.28	108.15 1.13 -83.19	128.87 1.16 -102.06	82.69 1.39 -50.88	87.36 1.34 -58.74	84.17 1.99 -44.82	66.03 1.72 -31.64
RIVERSDE_115KV_TB3 55908	115.89 1.08 -80.38	96.85 -0.31 -108.03	104.01 -0.65 -129.30	116.57 -0.53 -137.55	83.67 -0.34 -97.67	59.79 -0.06 -62.46	93.41 0.08 -90.43	66.45 0.83 -33.69	59.19 1.60 -1.63	94.09 1.31 -48.79	46.75 1.36 0.00	46.52 1.34 0.00	47.41 1.26 0.00	51.68 1.49 0.00	54.10 1.88 0.00	83.52 2.93 0.00	82.14 2.81 0.00	102.52 3.55 -3.99	125.92 0.91 -101.18	150.74 0.95 -124.15	93.45 1.15 -61.88	99.74 1.01 -71.46	93.31 1.38 -54.57	72.42 1.22 -38.53
ROARING___BROOK_WT_PWR 323790	34.06 -0.36 0.00	-10.80 0.07 0.00	-24.13 0.51 0.00	-19.97 0.48 0.00	-13.37 0.29 0.00	-2.57 0.04 0.00	2.87 -0.04 0.00	31.40 -0.54 0.00	55.01 -0.95 0.00	42.96 -1.03 0.00	44.34 -1.05 0.00	44.35 -0.82 0.00	45.21 -0.95 0.00	49.09 -1.09 0.00	51.01 -1.21 0.00	79.13 -1.46 0.00	77.86 -1.46 0.00	92.79 -2.19 0.00	23.26 -0.57 0.00	24.28 -0.63 0.73	24.74 -0.76 4.93	25.21 -0.61 1.46	36.22 -0.87 0.27	31.96 -0.70 0.00

ROCHESRG_115KV_T4 355643	42.18 -1.70 -9.45	2.25 0.42 -12.69	-8.65 0.79 -15.20	-3.76 0.52 -16.17	-1.84 0.34 -11.48	4.76 0.06 -7.31	13.11 -0.09 -10.30	33.65 -0.94 -2.66	52.73 -1.68 1.56	42.41 -1.12 0.46	42.44 -1.36 1.60	42.36 -1.28 1.53	43.10 -1.36 1.70	47.01 -1.43 1.74	48.79 -1.82 1.62	75.70 -3.07 1.82	74.54 -2.90 1.89	89.77 -3.52 1.69	33.24 -0.91 -10.32	37.59 -0.94 -12.88	35.02 -1.20 -5.80	33.55 -1.13 -7.40	41.37 -1.27 -5.27	35.55 -1.04 -3.93
ROCHESTER_9_IC 23652	42.41 -1.52 -9.51	2.27 0.36 -12.78	-8.68 0.67 -15.29	-3.77 0.41 -16.27	-1.84 0.27 -11.55	4.82 0.05 -7.39	13.50 -0.07 -10.67	35.17 -0.74 -3.97	54.83 -1.32 -0.19	44.25 -0.84 -1.09	44.32 -1.07 0.00	44.18 -0.99 0.00	45.11 -1.04 0.00	49.11 -1.08 0.00	50.78 -1.45 0.00	78.12 -2.47 0.00	77.03 -2.29 0.00	92.67 -2.78 -0.47	35.07 -0.73 -11.98	39.60 -0.75 -14.70	36.77 -0.98 -7.33	34.80 -0.94 -8.46	42.79 -1.02 -6.46	36.38 -0.84 -4.56
ROCKVIEW_13_KV_LD 356306	101.68 1.20 -66.05	77.57 -0.34 -88.78	80.94 -0.68 -106.26	92.11 -0.48 -113.04	66.25 -0.36 -80.27	48.65 -0.08 -51.33	77.03 0.13 -73.99	60.90 1.47 -27.50	60.20 2.91 -1.33	60.14 2.33 -13.82	47.82 2.43 0.00	47.46 2.29 0.00	48.26 2.10 0.00	52.45 2.27 0.00	54.57 2.34 0.00	84.07 3.48 0.00	82.43 3.11 0.00	102.35 4.09 -3.28	108.18 1.15 -83.20	128.91 1.19 -102.08	82.73 1.43 -50.89	87.35 1.32 -58.75	83.95 1.77 -44.82	65.75 1.43 -31.65
ROME____115KV_TB2 80656	39.86 1.26 -4.17	-5.63 -0.37 -5.61	-18.65 -0.73 -6.71	-13.97 -0.66 -7.14	-9.04 -0.45 -5.07	0.54 -0.09 -3.24	7.72 0.13 -4.68	34.99 1.31 -1.74	58.18 2.13 -0.08	45.99 1.52 -0.48	47.11 1.72 0.00	47.02 1.85 0.00	47.67 1.51 0.00	51.70 1.52 0.00	54.08 1.85 0.00	83.74 3.15 0.00	82.71 3.38 0.00	99.33 4.15 -0.21	30.19 1.10 -5.25	33.88 1.20 -7.04	39.01 1.37 -7.22	33.39 1.22 -4.90	41.87 1.46 -3.05	35.77 1.11 -2.00
ROSETON____1 23587	100.85 0.89 -65.53	76.96 -0.25 -88.07	80.27 -0.50 -105.41	91.34 -0.35 -112.14	65.73 -0.25 -79.63	48.26 -0.05 -50.92	76.42 0.09 -73.42	60.29 1.06 -27.29	59.39 2.11 -1.32	59.15 1.67 -13.49	47.15 1.75 0.00	46.82 1.65 0.00	47.64 1.49 0.00	51.74 1.56 0.00	53.86 1.63 0.00	83.05 2.46 0.00	81.50 2.17 0.00	101.15 2.92 -3.25	107.21 0.84 -82.54	127.78 0.86 -101.27	81.93 1.03 -50.48	86.51 0.94 -58.29	83.10 1.27 -44.47	65.10 1.04 -31.40
ROSETON____2 23588	100.85 0.89 -65.53	76.96 -0.25 -88.07	80.27 -0.50 -105.41	91.34 -0.35 -112.14	65.73 -0.25 -79.63	48.26 -0.05 -50.92	76.42 0.09 -73.42	60.29 1.06 -27.29	59.39 2.11 -1.32	59.15 1.67 -13.49	47.15 1.75 0.00	46.82 1.65 0.00	47.64 1.49 0.00	51.74 1.56 0.00	53.86 1.63 0.00	83.05 2.46 0.00	81.50 2.17 0.00	101.15 2.92 -3.25	107.21 0.84 -82.54	127.78 0.86 -101.27	81.93 1.03 -50.48	86.51 0.94 -58.29	83.10 1.27 -44.47	65.10 1.04 -31.40
ROTRDAM_115KV_TB3 80664	118.94 0.87 -83.64	101.30 -0.25 -112.42	109.38 -0.53 -134.55	122.26 -0.43 -143.14	87.70 -0.27 -101.64	62.34 -0.05 -65.00	96.97 0.07 -93.99	67.70 0.77 -34.99	59.05 1.40 -1.69	123.51 1.11 -78.40	46.46 1.07 0.00	46.20 1.03 0.00	47.07 0.92 0.00	51.26 1.08 0.00	53.50 1.27 0.00	82.60 2.02 0.00	81.31 1.98 0.00	101.73 2.60 -4.16	130.07 0.68 -105.55	155.86 0.72 -129.50	95.83 0.85 -64.56	102.57 0.74 -74.54	95.29 1.01 -56.92	73.73 0.88 -40.19
RUSSELL____1 23602	42.56 -1.37 -9.51	2.22 0.31 -12.78	-8.79 0.55 -15.29	-3.86 0.32 -16.27	-1.90 0.21 -11.55	4.81 0.03 -7.39	13.52 -0.05 -10.67	35.35 -0.56 -3.97	55.16 -0.99 -0.19	44.50 -0.58 -1.09	44.56 -0.83 0.00	44.44 -0.73 0.00	45.39 -0.77 0.00	49.43 -0.75 0.00	51.12 -1.10 0.00	78.65 -1.94 0.00	77.54 -1.79 0.00	93.32 -2.13 -0.47	35.25 -0.56 -11.98	39.78 -0.56 -14.70	36.98 -0.77 -7.33	34.98 -0.76 -8.46	43.02 -0.79 -6.46	36.56 -0.66 -4.56
RUSSELL____2 23532	42.56 -1.37 -9.51	2.22 0.31 -12.78	-8.79 0.55 -15.29	-3.86 0.32 -16.27	-1.90 0.21 -11.55	4.81 0.03 -7.39	13.52 -0.05 -10.67	35.35 -0.56 -3.97	55.16 -0.99 -0.19	44.50 -0.58 -1.09	44.56 -0.83 0.00	44.44 -0.73 0.00	45.39 -0.77 0.00	49.43 -0.75 0.00	51.12 -1.10 0.00	78.65 -1.94 0.00	77.54 -1.79 0.00	93.32 -2.13 -0.47	35.25 -0.56 -11.98	39.78 -0.56 -14.70	36.98 -0.77 -7.33	34.98 -0.76 -8.46	43.02 -0.79 -6.46	36.56 -0.66 -4.56
RUSSELL____3 23549	42.56 -1.37 -9.51	2.22 0.31 -12.78	-8.79 0.55 -15.29	-3.86 0.32 -16.27	-1.90 0.21 -11.55	4.81 0.03 -7.39	13.52 -0.05 -10.67	35.35 -0.56 -3.97	55.16 -0.99 -0.19	44.50 -0.58 -1.09	44.56 -0.83 0.00	44.44 -0.73 0.00	45.39 -0.77 0.00	49.43 -0.75 0.00	51.12 -1.10 0.00	78.65 -1.94 0.00	77.54 -1.79 0.00	93.32 -2.13 -0.47	35.25 -0.56 -11.98	39.78 -0.56 -14.70	36.98 -0.77 -7.33	34.98 -0.76 -8.46	43.02 -0.79 -6.46	36.56 -0.66 -4.56
RUSSELL____4 23556	42.56 -1.37 -9.51	2.22 0.31 -12.78	-8.79 0.55 -15.29	-3.86 0.32 -16.27	-1.90 0.21 -11.55	4.81 0.03 -7.39	13.52 -0.05 -10.67	35.35 -0.56 -3.97	55.16 -0.99 -0.19	44.50 -0.58 -1.09	44.56 -0.83 0.00	44.44 -0.73 0.00	45.39 -0.77 0.00	49.43 -0.75 0.00	51.12 -1.10 0.00	78.65 -1.94 0.00	77.54 -1.79 0.00	93.32 -2.13 -0.47	35.25 -0.56 -11.98	39.78 -0.56 -14.70	36.98 -0.77 -7.33	34.98 -0.76 -8.46	43.02 -0.79 -6.46	36.56 -0.66 -4.56
RUSSELL____STATION 23914	42.56 -1.37 -9.51	2.22 0.31 -12.78	-8.79 0.55 -15.29	-3.86 0.32 -16.27	-1.90 0.21 -11.55	4.81 0.03 -7.39	13.52 -0.05 -10.67	35.35 -0.56 -3.97	55.16 -0.99 -0.19	44.50 -0.58 -1.09	44.56 -0.83 0.00	44.44 -0.73 0.00	45.39 -0.77 0.00	49.43 -0.75 0.00	51.12 -1.10 0.00	78.65 -1.94 0.00	77.54 -1.79 0.00	93.32 -2.13 -0.47	35.25 -0.56 -11.98	39.78 -0.56 -14.70	36.98 -0.77 -7.33	34.98 -0.76 -8.46	43.02 -0.79 -6.46	36.56 -0.66 -4.56
S SALMON____HYD 24043	40.63 -0.13 -6.34	-2.29 0.06 -8.52	-14.15 0.29 -10.20	-9.44 0.16 -10.85	-5.86 0.10 -7.70	2.33 0.01 -4.93	10.03 0.01 -7.11	34.51 -0.07 -2.65	55.41 -0.68 -0.13	43.99 -0.73 -0.73	44.73 -0.66 0.00	44.67 -0.51 0.00	45.31 -0.85 0.00	49.33 -0.85 0.00	51.39 -0.84 0.00	79.94 -0.65 0.00	79.06 -0.27 0.00	95.28 -0.01 -0.31	31.98 0.17 -7.98	36.49 0.22 -10.62	41.09 0.20 -10.47	34.68 0.11 -7.29	41.90 -0.07 -4.61	35.50 -0.20 -3.04
S.PERRY__115KV_TB1 80734	46.30 -0.88 -12.76	6.53 0.25 -17.15	-3.62 0.49 -20.53	1.62 0.23 -21.84	2.04 0.20 -15.51	7.90 0.03 -10.48	23.22 -0.02 -20.33	62.35 -0.17 -30.58	90.03 -0.50 -34.56	76.82 -0.41 -33.24	75.76 -1.01 -31.37	74.23 -1.14 -30.20	78.62 -1.12 -33.59	83.72 -0.85 -34.39	83.13 -0.99 -31.89	114.93 -1.56 -35.90	115.49 -1.17 -37.33	137.02 -1.22 -43.26	71.06 -0.12 -47.35	79.28 -0.15 -53.79	69.26 -0.33 -39.17	58.06 -0.41 -31.19	68.18 -0.38 -31.19	50.26 -0.42 -18.02
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	43.76 -2.36 -11.70	5.42 0.56 -15.72	-4.88 0.94 -18.82	0.15 0.58 -20.02	0.95 0.39 -14.21	6.44 0.07 -8.98	14.67 -0.13 -11.89	30.24 -1.39 0.30	46.91 -2.23 6.81	37.67 -1.43 4.89	37.13 -1.81 6.45	37.22 -1.75 6.20	37.38 -1.90 6.88	41.00 -2.14 7.05	42.91 -2.78 6.53	68.48 -4.75 7.36	67.19 -4.49 7.65	81.08 -5.75 8.15	30.59 -1.59 -8.35	35.15 -1.61 -11.13	31.45 -1.99 -3.01	31.86 -1.77 -6.35	38.85 -1.85 -3.33	34.39 -1.45 -3.18

SAWYER___23_KV_LOAD 55526	43.76	5.42	-4.88	0.15	0.95	6.44	14.67	30.24	46.91	37.67	37.13	37.22	37.38	41.00	42.91	68.48	67.19	81.08	30.59	35.15	31.45	31.86	38.85	34.39
	-2.36	0.56	0.94	0.58	0.39	0.07	-0.13	-1.39	-2.23	-1.43	-1.81	-1.75	-1.90	-2.14	-2.78	-4.75	-4.49	-5.75	-1.59	-1.61	-1.99	-1.77	-1.85	-1.45
	-11.70	-15.72	-18.82	-20.02	-14.21	-8.98	-11.89	0.30	6.81	4.89	6.45	6.20	6.88	7.05	6.53	7.36	7.65	8.15	-8.35	-11.13	-3.01	-6.35	-3.33	-3.18
SELKIRK___I 23801	114.26	94.61	101.30	113.71	81.63	58.50	91.48	65.78	59.17	75.01	46.72	46.47	47.37	51.58	53.92	83.26	81.93	102.22	123.80	148.15	92.11	98.21	92.07	71.51
	1.12	-0.32	-0.69	-0.56	-0.37	-0.07	0.08	0.89	1.62	1.33	1.33	1.30	1.22	1.40	1.69	2.67	2.60	3.34	0.85	0.89	1.06	0.92	1.27	1.11
	-78.72	-105.80	-126.63	-134.72	-95.66	-61.17	-88.49	-32.95	-1.60	-29.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.91	-99.13	-121.62	-60.63	-70.01	-53.45	-37.74
SELKIRK___II 23799	114.83	95.67	102.64	115.10	82.62	59.09	92.31	65.93	58.96	76.37	46.56	46.30	47.21	51.41	53.73	82.91	81.54	101.75	124.63	149.18	92.55	98.76	92.44	71.73
	0.94	-0.26	-0.55	-0.44	-0.29	-0.05	0.07	0.72	1.39	1.14	1.17	1.13	1.05	1.23	1.50	2.33	2.21	2.83	0.74	0.77	0.93	0.82	1.12	0.98
	-79.46	-106.80	-127.83	-135.99	-96.56	-61.75	-89.34	-33.27	-1.61	-31.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.94	-100.06	-122.76	-61.20	-70.67	-53.95	-38.10
SENECA OSWGO___HYD 24041	41.23	-1.29	-13.06	-8.23	-4.98	2.89	10.83	34.79	55.64	44.42	45.04	44.86	45.73	49.80	51.79	80.04	79.05	95.19	32.84	37.08	38.54	34.29	42.14	35.83
	-0.26	0.09	0.21	0.13	0.09	0.01	0.00	-0.09	-0.46	-0.39	-0.35	-0.31	-0.43	-0.39	-0.44	-0.55	-0.27	-0.14	0.11	0.13	0.07	-0.04	-0.16	-0.22
	-7.06	-9.50	-11.36	-12.09	-8.59	-5.49	-7.93	-2.95	-0.14	-0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.35	-8.90	-11.30	-8.05	-7.06	-4.94	-3.39
SENECA___115KV_TB3 355854	44.79	5.83	-4.59	0.58	1.27	6.75	15.38	31.79	49.04	39.50	38.94	39.02	39.27	42.97	44.86	71.11	69.81	84.07	32.55	37.35	33.22	33.33	40.45	35.44
	-1.77	0.40	0.54	0.27	0.19	0.03	-0.09	-0.82	-1.21	-0.62	-1.00	-0.92	-1.07	-1.25	-1.85	-3.26	-3.05	-4.14	-1.15	-1.16	-1.47	-1.31	-1.26	-0.98
	-12.12	-16.30	-19.51	-20.75	-14.73	-9.32	-12.56	-0.68	5.71	3.88	5.45	5.23	5.81	5.95	5.52	6.21	6.46	6.78	-9.87	-12.86	-4.27	-7.36	-4.34	-3.76
SENECA___ENERGY 23797	43.39	2.64	-8.25	-3.20	-1.43	5.13	14.31	37.30	57.41	46.36	46.68	46.44	47.57	51.58	53.34	81.31	80.21	96.31	37.99	42.78	39.46	36.82	44.84	37.55
	-0.89	0.27	0.55	0.39	0.26	0.05	-0.05	-0.42	-1.02	-0.76	-0.78	-0.73	-0.81	-0.88	-1.00	-1.65	-1.59	-1.98	-0.31	-0.34	-0.49	-0.53	-0.70	-0.62
	-9.85	-13.24	-15.84	-16.85	-11.97	-7.69	-11.45	-5.78	-2.47	-3.13	-2.08	-2.00	-2.22	-2.28	-2.11	-2.37	-2.47	-3.31	-14.48	-17.47	-9.53	-10.07	-8.18	-5.51
SHOEMAKER___GT 23640	94.82	69.04	70.82	81.25	58.55	43.67	69.79	57.74	59.03	57.72	46.83	46.52	47.29	51.37	53.61	82.78	81.33	100.64	99.70	118.59	77.31	81.17	78.97	62.16
	0.78	-0.21	-0.44	-0.32	-0.23	-0.05	0.09	0.98	1.87	1.37	1.44	1.35	1.13	1.19	1.38	2.20	2.00	2.71	0.77	0.81	0.96	0.86	1.15	0.93
	-59.61	-80.12	-95.90	-102.02	-72.45	-46.33	-66.80	-24.83	-1.20	-12.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.96	-75.10	-92.13	-45.93	-53.03	-40.46	-28.57
SHOEMAKR_138KV_BK 111 55601	94.41	68.52	70.21	80.60	58.09	43.37	69.36	57.55	58.99	57.64	46.84	46.53	47.32	51.39	53.61	82.73	81.25	100.54	99.19	117.96	76.98	80.80	78.67	61.95
	0.77	-0.21	-0.43	-0.30	-0.22	-0.05	0.09	0.95	1.83	1.37	1.45	1.35	1.16	1.21	1.38	2.15	1.93	2.62	0.75	0.78	0.93	0.84	1.12	0.90
	-59.22	-79.60	-95.27	-101.35	-71.97	-46.03	-66.36	-24.66	-1.20	-12.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.94	-74.60	-91.53	-45.63	-52.68	-40.19	-28.38
SHOREHAM_IC_1 23715	101.48	77.28	80.34	91.65	65.93	48.64	76.97	60.26	59.24	59.23	47.68	47.63	48.08	52.79	54.69	84.01	81.77	101.30	107.83	128.63	82.43	87.15	83.55	65.36
	1.03	-0.60	-1.25	-0.90	-0.65	-0.06	0.10	0.84	1.95	1.42	2.29	2.46	1.92	2.61	2.46	3.42	2.44	3.05	0.83	0.94	1.14	1.14	1.38	0.94
	-66.03	-88.75	-106.22	-113.00	-80.24	-51.31	-73.97	-27.48	-1.33	-13.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.28	-83.17	-102.04	-50.87	-58.73	-44.81	-31.75
SHOREHAM_IC_2 23716	101.48	77.28	80.34	91.65	65.93	48.64	76.97	60.26	59.24	59.23	47.68	47.63	48.08	52.79	54.69	84.01	81.77	101.30	107.83	128.63	82.43	87.15	83.55	65.36
	1.03	-0.60	-1.25	-0.90	-0.65	-0.06	0.10	0.84	1.95	1.42	2.29	2.46	1.92	2.61	2.46	3.42	2.44	3.05	0.83	0.94	1.14	1.14	1.38	0.94
	-66.03	-88.75	-106.22	-113.00	-80.24	-51.31	-73.97	-27.48	-1.33	-13.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.28	-83.17	-102.04	-50.87	-58.73	-44.81	-31.75
SISSONVILLE____ 23735	40.25	-8.39	-22.69	-17.98	-11.62	-0.76	6.03	34.92	58.41	45.68	46.87	46.74	46.93	50.51	53.22	83.71	82.85	100.41	28.55	38.54	80.22	45.84	45.11	36.89
	3.22	-1.04	-2.25	-2.01	-1.14	-0.18	0.19	1.89	2.40	1.39	1.48	1.57	0.78	0.33	0.99	3.13	3.52	5.30	1.43	2.21	2.65	2.95	3.52	2.84
	-2.61	-3.51	-4.20	-4.47	-3.18	-2.03	-2.93	-1.09	-0.05	-0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-3.29	-10.69	-47.15	-15.62	-4.23	-1.39
SITHE_IND_GS1 24169	38.65	-3.28	-15.20	-10.62	-6.70	1.66	8.84	33.05	53.83	42.89	43.61	43.42	44.30	48.16	50.09	77.23	76.05	91.36	29.75	33.06	33.46	31.01	39.54	33.96
	-1.16	0.36	0.78	0.62	0.42	0.08	-0.11	-1.14	-2.24	-1.72	-1.78	-1.76	-1.86	-2.02	-2.14	-3.36	-3.28	-3.88	-0.86	-0.90	-1.11	-1.06	-1.48	-1.28
	-5.38	-7.24	-8.66	-9.21	-6.54	-4.18	-6.04	-2.25	-0.11	-0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.27	-6.78	-8.32	-4.15	-4.79	-3.66	-2.58
SITHE_IND_GS2 24170	38.65	-3.28	-15.20	-10.62	-6.70	1.66	8.84	33.05	53.83	42.89	43.61	43.42	44.30	48.16	50.09	77.23	76.05	91.36	29.75	33.06	33.46	31.01	39.54	33.96
	-1.16	0.36	0.78	0.62	0.42	0.08	-0.11	-1.14	-2.24	-1.72	-1.78	-1.76	-1.86	-2.02	-2.14	-3.36	-3.28	-3.88	-0.86	-0.90	-1.11	-1.06	-1.48	-1.28
	-5.38	-7.24	-8.66	-9.21	-6.54	-4.18	-6.04	-2.25	-0.11	-0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.27	-6.78	-8.32	-4.15	-4.79	-3.66	-2.58
SITHE_IND_GS3 24171	38.65	-3.28	-15.20	-10.62	-6.70	1.66	8.84	33.05	53.83	42.89	43.61	43.42	44.30	48.16	50.09	77.23	76.05	91.36	29.75	33.06	33.46	31.01	39.54	33.96
	-1.16	0.36	0.78	0.62	0.42	0.08	-0.11	-1.14	-2.24	-1.72	-1.78	-1.76	-1.86	-2.02	-2.14	-3.36	-3.28	-3.88	-0.86	-0.90	-1.11	-1.06	-1.48	-1.28
	-5.38	-7.24	-8.66	-9.21	-6.54	-4.18	-6.04	-2.25	-0.11	-0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.27	-6.78	-8.32	-4.15	-4.79	-3.66	-2.58
SITHE_IND_GS4 24172	38.65	-3.28	-15.20	-10.62	-6.70	1.66	8.84	33.05	53.83	42.89	43.61	43.42	44.30	48.16	50.09	77.23	76.05	91.36	29.75	33.06	33.46	31.01	39.54	33.96
	-1.16	0.36	0.78	0.62	0.42	0.08	-0.11	-1.14	-2.24	-1.72	-1.78	-1.76	-1.86	-2.02	-2.14	-3.36	-3.28	-3.88	-0.86	-0.90	-1.11	-1.06	-1.48	-1.28
	-5.38	-7.24	-8.66	-9.21	-6.54	-4.18	-6.04	-2.25	-0.11	-0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.27	-6.78	-8.32	-4.15	-4.79	-3.66	-2.58

SITHE___BATAVIA 24024	43.52 -1.48 -10.58	3.64 0.30 -14.22	-7.29 0.33 -17.02	-2.28 0.07 -18.10	-0.78 0.03 -12.85	5.52 0.00 -8.12	13.75 -0.04 -10.88	31.81 -0.38 -0.26	49.97 -0.56 5.43	40.04 -0.17 3.78	39.67 -0.56 5.16	39.64 -0.57 4.96	40.00 -0.64 5.51	44.00 -0.54 5.64	46.02 -0.97 5.23	72.83 -1.87 5.89	71.59 -1.61 6.13	86.64 -1.87 6.47	31.47 -0.56 -8.20	35.87 -0.55 -10.77	32.98 -0.79 -3.34	32.66 -0.77 -6.16	40.19 -0.66 -3.49	35.28 -0.50 -3.12
SITHE___INDEPEND 23800	38.64 -1.16 -5.38	-3.28 0.36 -7.24	-15.20 0.78 -8.66	-10.62 0.62 -9.21	-6.70 0.42 -6.54	1.66 0.08 -4.18	8.84 -0.11 -6.04	33.05 -1.13 -2.25	53.83 -2.24 -0.11	42.88 -1.72 -0.62	43.61 -1.78 0.00	43.39 -1.78 0.00	44.30 -1.86 0.00	48.16 -2.02 0.00	50.08 -2.15 0.00	77.21 -3.37 0.00	76.05 -3.28 0.00	91.36 -3.88 -0.27	29.75 -0.86 -6.78	33.06 -0.90 -8.32	33.46 -1.11 -4.15	31.00 -1.06 -4.79	39.54 -1.48 -3.66	33.96 -1.28 -2.58
SITHE___MASSENA 23902	34.59 0.17 0.00	-10.97 -0.10 0.00	-24.93 -0.29 0.00	-20.71 -0.26 0.00	-13.86 -0.20 0.00	-2.64 -0.03 0.00	2.93 0.03 0.00	32.17 0.23 0.00	56.43 0.47 0.00	44.31 0.32 0.00	45.69 0.30 0.00	45.52 0.35 0.00	46.67 0.52 0.00	50.72 0.54 0.00	52.64 0.41 0.00	81.25 0.66 0.00	80.18 0.85 0.00	95.76 0.79 0.00	23.86 0.03 0.00	24.23 0.08 1.49	20.43 0.10 10.09	24.47 0.18 2.99	37.04 0.23 0.55	32.92 0.26 0.00
SITHE___OGDNSBRG 24021	41.60 4.56 -2.61	-8.81 -1.45 -3.51	-23.65 -3.22 -4.20	-18.81 -2.83 -4.47	-12.21 -1.72 -3.18	-0.88 -0.30 -2.03	6.18 0.34 -2.93	36.48 3.45 -1.09	60.77 4.75 -0.05	47.16 2.87 -0.30	48.22 2.83 0.00	48.01 2.84 0.00	47.92 1.77 0.00	51.51 1.33 0.00	54.70 2.47 0.00	86.62 6.04 0.00	86.35 7.02 0.00	105.37 10.26 -0.13	29.85 2.73 -3.29	39.94 3.61 -10.69	81.84 4.27 -47.15	47.24 4.34 -15.62	46.89 5.29 -4.23	38.37 4.32 -1.39
SITHE___STERLING 23777	40.01 0.82 -4.77	-4.69 -0.23 -6.41	-17.44 -0.48 -7.67	-12.73 -0.44 -8.16	-8.17 -0.30 -5.80	1.03 -0.06 -3.71	8.35 0.09 -5.35	34.88 0.95 -1.99	57.60 1.55 -0.10	45.67 1.13 -0.55	46.66 1.27 0.00	46.51 1.34 0.00	47.27 1.11 0.00	51.31 1.13 0.00	53.58 1.35 0.00	82.82 2.24 0.00	81.72 2.39 0.00	98.06 2.84 -0.24	30.60 0.77 -6.01	34.24 0.82 -7.78	37.76 0.92 -6.42	33.12 0.79 -5.05	41.71 0.96 -3.39	35.66 0.71 -2.29
SLEIGHT__34_KV_TB1 80719	42.45 -1.26 -9.28	1.93 0.33 -12.47	-9.09 0.63 -14.92	-4.14 0.43 -15.88	-2.11 0.28 -11.27	4.65 0.05 -7.21	13.26 -0.06 -10.41	35.18 -0.63 -3.87	54.92 -1.23 -0.19	44.23 -0.82 -1.06	44.41 -0.98 0.00	44.24 -0.93 0.00	45.15 -1.01 0.00	49.17 -1.02 0.00	50.98 -1.25 0.00	78.51 -2.08 0.00	77.45 -1.88 0.00	93.21 -2.23 -0.46	35.01 -0.50 -11.69	39.46 -0.53 -14.34	36.84 -0.73 -7.15	34.79 -0.74 -8.26	42.76 -0.91 -6.30	36.37 -0.74 -4.45
SOUTH CAIRO___GT 23612	112.93 2.24 -76.26	90.97 -0.65 -102.50	96.60 -1.44 -122.67	108.86 -1.19 -130.50	78.21 -0.80 -92.67	56.50 -0.16 -59.26	88.80 0.20 -85.69	66.04 2.20 -31.90	61.53 4.03 -1.55	75.69 3.17 -28.53	48.45 3.06 0.00	48.14 2.97 0.00	49.06 2.90 0.00	53.66 3.48 0.00	56.19 3.96 0.00	86.98 6.40 0.00	85.91 6.59 0.00	107.17 8.41 -3.78	121.97 2.10 -96.04	145.68 2.21 -117.83	91.72 2.56 -58.74	97.32 2.22 -67.82	92.08 2.95 -51.78	71.73 2.51 -36.56
SOUTH HAMPTN___IC 23720	101.88 1.42 -66.03	77.19 -0.69 -88.75	80.13 -1.45 -106.22	91.48 -1.07 -113.00	65.85 -0.73 -80.24	48.63 -0.08 -51.31	76.97 0.10 -73.97	60.29 0.87 -27.48	59.38 2.08 -1.33	59.44 1.63 -13.81	47.89 2.51 0.00	47.92 2.75 0.00	48.41 2.25 0.00	53.09 2.91 0.00	55.20 2.98 0.00	84.89 4.31 0.00	82.79 3.46 0.00	102.37 4.12 -3.28	107.88 0.88 -83.17	128.67 0.98 -102.04	82.45 1.16 -50.87	87.17 1.16 -58.73	83.58 1.41 -44.81	65.36 0.95 -31.75
SOUTHDOW_115KV_TB1 355954	46.51 -0.93 -13.01	6.93 0.32 -17.48	-3.44 0.28 -20.92	1.92 0.11 -22.26	2.22 0.08 -15.80	7.47 0.01 -10.07	17.12 -0.02 -14.24	36.00 0.14 -3.92	55.63 1.46 1.79	46.64 1.50 -1.15	44.66 1.15 1.88	44.68 1.31 1.80	45.33 1.17 2.00	49.25 1.11 2.04	50.97 0.64 1.90	79.02 0.57 2.14	77.64 0.53 2.22	93.10 0.01 1.89	38.33 -0.04 -14.54	43.78 0.05 -18.10	38.58 -0.13 -8.28	37.53 -0.15 -10.40	45.13 0.27 -7.50	38.47 0.27 -5.53
SOUTHOLD_69_KV_BK 2 55809	102.37 1.91 -66.03	77.05 -0.83 -88.75	79.81 -1.77 -106.22	91.21 -1.34 -113.00	65.74 -0.84 -80.24	48.63 -0.07 -51.31	76.95 0.07 -73.97	59.98 0.56 -27.48	58.98 1.69 -1.33	59.31 1.50 -13.81	47.92 2.53 0.00	48.13 2.96 0.00	48.64 2.49 0.00	53.38 3.20 0.00	55.84 3.61 0.00	86.03 5.45 0.00	83.96 4.63 0.00	103.46 5.20 -3.28	107.72 0.72 -83.17	128.47 0.78 -102.04	82.22 0.93 -50.87	86.93 0.92 -58.73	83.22 1.05 -44.81	65.04 0.63 -31.75
SOUTHOLD___IC 23719	102.37 1.91 -66.03	77.05 -0.83 -88.75	79.81 -1.77 -106.22	91.21 -1.34 -113.00	65.74 -0.84 -80.24	48.63 -0.07 -51.31	76.95 0.07 -73.97	59.98 0.56 -27.48	58.98 1.69 -1.33	59.31 1.51 -13.81	47.91 2.53 0.00	48.12 2.95 0.00	48.63 2.47 0.00	53.37 3.19 0.00	55.81 3.59 0.00	86.02 5.43 0.00	83.95 4.62 0.00	103.45 5.20 -3.28	107.72 0.72 -83.17	128.47 0.78 -102.04	82.22 0.93 -50.87	86.93 0.92 -58.73	83.22 1.05 -44.81	65.04 0.63 -31.75
SOUTH_FORK_WT_PWR 323839	102.41 1.96 -66.03	77.03 -0.85 -88.75	79.77 -1.82 -106.22	91.17 -1.38 -113.00	65.76 -0.82 -80.24	48.66 -0.05 -51.31	76.89 0.02 -73.97	59.40 -0.02 -27.48	58.05 0.76 -1.33	58.76 0.96 -13.81	47.56 2.17 0.00	47.83 2.66 0.00	48.38 2.23 0.00	53.15 2.97 0.00	55.75 3.52 0.00	85.92 5.34 0.00	83.90 4.57 0.00	103.13 4.87 -3.28	107.30 0.30 -83.17	128.01 0.32 -102.04	81.68 0.39 -50.87	86.45 0.44 -58.73	82.55 0.38 -44.81	64.46 0.05 -31.75
SPIERFLS_115KV_TB 1 80737	119.74 3.14 -82.17	98.65 -0.93 -110.45	105.48 -2.08 -132.19	118.48 -1.71 -140.63	85.08 -1.12 -99.86	61.03 -0.22 -63.86	95.50 0.29 -92.30	69.70 3.41 -34.35	63.82 6.20 -1.66	119.11 4.74 -70.38	49.71 4.32 0.00	49.73 4.56 0.00	50.51 4.35 0.00	54.94 4.76 0.00	57.48 5.25 0.00	89.19 8.60 0.00	88.02 8.69 0.00	109.84 10.78 -4.08	129.96 2.55 -103.58	155.49 2.76 -127.09	96.89 3.12 -63.35	103.20 2.77 -73.16	96.83 3.60 -55.87	75.31 3.19 -39.45
ST LAWRENCE____ 23600	34.26 -0.16 0.00	-10.87 0.00 0.00	-24.71 -0.07 0.00	-20.52 -0.07 0.00	-13.73 -0.07 0.00	-2.61 -0.01 0.00	2.90 -0.01 0.00	31.86 -0.08 0.00	55.87 -0.08 0.00	43.89 -0.10 0.00	45.26 -0.12 0.00	45.08 -0.09 0.00	46.23 0.07 0.00	50.25 0.07 0.00	52.13 -0.10 0.00	80.45 -0.13 0.00	79.39 0.06 0.00	94.81 -0.16 0.00	23.62 -0.20 0.00	23.98 -0.17 1.49	20.14 -0.19 10.09	24.20 -0.09 2.99	36.67 -0.14 0.55	32.59 -0.07 0.00
STATE_CA_115KV_115_LB 55624	117.09 1.41 -81.26	97.94 -0.40 -109.22	105.19 -0.89 -130.72	117.89 -0.73 -139.07	84.61 -0.48 -98.74	60.45 -0.09 -63.15	94.42 0.11 -91.40	67.19 1.21 -34.05	59.85 2.25 -1.65	103.38 1.84 -57.55	47.28 1.89 0.00	47.07 1.90 0.00	47.97 1.81 0.00	52.27 2.08 0.00	54.71 2.48 0.00	84.49 3.91 0.00	83.15 3.82 0.00	103.84 4.83 -4.03	127.39 1.22 -102.34	152.50 1.28 -125.57	94.54 1.52 -62.59	100.88 1.32 -72.28	94.36 1.80 -55.20	73.20 1.57 -38.97

STATE_ST_34_KV_LOAD 55959	43.86 -0.29 -9.72	2.27 0.07 -13.07	-8.90 0.10 -15.64	-3.77 0.04 -16.64	-1.82 0.02 -11.82	4.96 0.01 -7.56	13.82 -0.01 -10.91	35.93 -0.07 -4.06	55.81 -0.34 -0.20	44.86 -0.25 -1.12	45.10 -0.28 0.00	44.89 -0.28 0.00	45.82 -0.34 0.00	49.83 -0.35 0.00	51.80 -0.43 0.00	79.87 -0.71 0.00	78.78 -0.55 0.00	94.89 -0.57 -0.48	36.08 0.00 -12.25	40.85 0.01 -15.20	39.00 -0.07 -8.65	36.11 -0.16 -8.99	43.80 -0.23 -6.67	37.19 -0.13 -4.66
STATION 5_MISC_HYD 23604	42.41 -1.52 -9.51	2.27 0.36 -12.78	-8.68 0.67 -15.29	-3.77 0.42 -16.27	-1.84 0.27 -11.55	4.82 0.05 -7.39	13.50 -0.07 -10.67	35.17 -0.74 -3.97	54.85 -1.30 -0.19	44.28 -0.81 -1.09	44.36 -1.02 0.00	44.24 -0.93 0.00	45.15 -1.01 0.00	49.14 -1.05 0.00	50.83 -1.39 0.00	78.15 -2.44 0.00	77.06 -2.27 0.00	92.70 -2.75 -0.47	35.08 -0.72 -11.98	39.60 -0.74 -14.70	36.76 -0.99 -7.33	34.81 -0.93 -8.46	42.80 -1.01 -6.46	36.40 -0.83 -4.56
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	42.97 -0.75 -9.30	1.82 0.19 -12.50	-9.35 0.33 -14.96	-4.35 0.19 -15.91	-2.25 0.11 -11.30	4.63 0.01 -7.22	13.33 -0.01 -10.44	35.73 -0.10 -3.88	55.85 -0.30 -0.19	44.93 -0.13 -1.07	45.15 -0.24 0.00	44.98 -0.19 0.00	45.96 -0.20 0.00	49.97 -0.21 0.00	51.81 -0.42 0.00	79.86 -0.73 0.00	78.72 -0.60 0.00	94.68 -0.76 -0.46	35.44 -0.10 -11.71	39.91 -0.11 -14.37	37.35 -0.23 -7.16	35.24 -0.31 -8.27	43.34 -0.33 -6.31	36.82 -0.30 -4.46
STA_56_34_KV_BUS2_REV_LBMP_B 345033	42.22 -1.64 -9.43	2.22 0.41 -12.68	-8.68 0.79 -15.18	-3.78 0.52 -16.14	-1.86 0.34 -11.46	4.78 0.06 -7.33	13.41 -0.08 -10.59	35.01 -0.87 -3.94	54.59 -1.57 -0.19	44.03 -1.04 -1.08	44.14 -1.25 0.00	43.99 -1.18 0.00	44.92 -1.24 0.00	48.89 -1.29 0.00	50.59 -1.63 0.00	77.82 -2.77 0.00	76.72 -2.61 0.00	92.30 -3.15 -0.47	34.91 -0.81 -11.89	39.40 -0.84 -14.59	36.61 -1.08 -7.27	34.63 -1.04 -8.40	42.58 -1.19 -6.41	36.21 -0.98 -4.52
STA_56__34_KV_BUS2 355983	42.22 -1.64 -9.43	2.22 0.41 -12.68	-8.68 0.79 -15.18	-3.78 0.52 -16.14	-1.86 0.34 -11.46	4.78 0.06 -7.33	13.41 -0.08 -10.59	35.01 -0.87 -3.94	54.59 -1.57 -0.19	44.03 -1.04 -1.08	44.14 -1.25 0.00	43.99 -1.18 0.00	44.92 -1.24 0.00	48.89 -1.29 0.00	50.59 -1.63 0.00	77.82 -2.77 0.00	76.72 -2.61 0.00	92.30 -3.15 -0.47	34.91 -0.81 -11.89	39.40 -0.84 -14.59	36.61 -1.08 -7.27	34.63 -1.04 -8.40	42.58 -1.19 -6.41	36.21 -0.98 -4.52
STA_67__115KV_BK2 355882	42.33 -1.60 -9.50	2.28 0.39 -12.76	-8.64 0.72 -15.28	-3.74 0.46 -16.25	-1.82 0.30 -11.54	4.80 0.05 -7.35	13.22 -0.08 -10.39	33.95 -0.82 -2.83	53.15 -1.46 1.35	42.77 -0.95 0.27	42.80 -1.18 1.41	43.38 -1.11 0.68	44.98 -1.17 0.00	48.97 -1.21 0.00	50.63 -1.59 0.00	77.89 -2.70 0.00	76.80 -2.53 0.00	92.38 -3.07 -0.47	34.99 -0.80 -11.97	39.51 -0.82 -14.68	36.67 -1.07 -7.32	34.71 -1.02 -8.45	42.69 -1.13 -6.45	36.30 -0.92 -4.55
STA_7__115KV_9TRANS 80674	42.56 -1.37 -9.51	2.22 0.31 -12.78	-8.79 0.55 -15.29	-3.86 0.32 -16.27	-1.90 0.21 -11.55	4.81 0.03 -7.39	13.52 -0.05 -10.67	35.35 -0.56 -3.97	55.16 -0.99 -0.19	44.50 -0.58 -1.09	44.56 -0.83 0.00	44.44 -0.73 0.00	45.39 -0.77 0.00	49.43 -0.75 0.00	51.12 -1.10 0.00	78.65 -1.94 0.00	77.54 -1.79 0.00	93.32 -2.13 -0.47	35.25 -0.56 -11.98	39.78 -0.56 -14.70	36.98 -0.77 -7.33	34.98 -0.76 -8.46	43.02 -0.79 -6.46	36.56 -0.66 -4.56
STA_82__115KV_TB1 80780	42.37 -1.61 -9.54	2.34 0.39 -12.82	-8.57 0.72 -15.35	-3.66 0.46 -16.33	-1.77 0.30 -11.59	4.86 0.05 -7.41	13.54 -0.08 -10.71	35.11 -0.81 -3.98	54.70 -1.45 -0.19	44.14 -0.94 -1.09	44.21 -1.18 0.00	44.06 -1.11 0.00	44.98 -1.17 0.00	48.97 -1.21 0.00	50.65 -1.58 0.00	77.90 -2.69 0.00	76.81 -2.51 0.00	92.40 -3.06 -0.47	35.06 -0.80 -12.03	39.58 -0.82 -14.76	36.72 -1.06 -7.36	34.75 -1.02 -8.49	42.72 -1.12 -6.48	36.33 -0.91 -4.58
STEEL__WIND 323596	44.72 -1.83 -12.12	5.83 0.41 -16.30	-4.55 0.58 -19.51	0.60 0.31 -20.75	1.29 0.22 -14.73	6.75 0.04 -9.32	15.38 -0.09 -12.56	31.73 -0.88 -0.68	48.96 -1.30 5.71	39.44 -0.67 3.88	38.92 -1.02 5.45	38.99 -0.94 5.23	39.23 -1.12 5.81	42.91 -1.32 5.95	44.83 -1.88 5.52	71.01 -3.37 6.21	69.71 -3.15 6.46	83.97 -4.23 6.78	32.52 -1.18 -9.87	37.31 -1.20 -12.86	33.14 -1.55 -4.27	33.30 -1.34 -7.36	40.40 -1.30 -4.34	35.40 -1.02 -3.76
STEPHTWN_115KV_BK_2 55603	115.52 1.38 -79.71	95.88 -0.38 -107.13	102.77 -0.82 -128.23	115.27 -0.69 -136.41	82.77 -0.44 -96.86	59.25 -0.08 -61.94	92.65 0.11 -89.64	66.51 1.18 -33.39	59.72 2.15 -1.62	82.71 1.73 -37.00	47.20 1.82 0.00	46.93 1.75 0.00	47.91 1.76 0.00	52.27 2.08 0.00	54.55 2.32 0.00	84.25 3.66 0.00	82.90 3.57 0.00	103.51 4.58 -3.96	125.39 1.20 -100.36	150.06 1.28 -123.14	93.27 1.46 -61.38	99.46 1.30 -70.88	93.22 1.74 -54.12	72.39 1.52 -38.21
STEUBEN_REC_LFGE 323667	47.94 -1.99 -15.50	10.72 0.77 -20.83	1.99 1.70 -24.93	7.36 1.29 -26.52	6.07 0.90 -18.83	9.97 0.17 -12.41	24.13 -0.15 -21.37	53.36 -1.76 -23.18	75.38 -3.60 -23.02	64.63 -3.01 -23.65	62.94 -3.22 -20.76	62.03 -3.12 -19.98	65.14 -3.24 -22.22	69.38 -3.56 -22.75	69.56 -3.76 -21.10	98.29 -6.05 -23.76	98.36 -5.67 -24.70	117.14 -6.81 -28.97	62.55 -1.49 -40.21	70.47 -1.66 -46.48	59.66 -2.11 -31.35	52.15 -2.04 -26.91	60.35 -2.43 -25.43	45.80 -2.17 -15.30
STILLWATER__SOLAR 323814	118.57 2.00 -82.14	98.94 -0.59 -110.40	106.20 -1.30 -132.14	119.06 -1.06 -140.57	85.46 -0.69 -99.82	61.09 -0.14 -63.83	95.35 0.18 -92.26	68.36 2.09 -34.34	61.40 3.78 -1.66	117.18 2.99 -70.20	48.21 2.82 0.00	47.99 2.82 0.00	48.87 2.71 0.00	53.15 2.97 0.00	55.46 3.23 0.00	85.88 5.30 0.00	84.65 5.32 0.00	105.70 6.64 -4.08	129.01 1.65 -103.54	154.44 1.77 -127.03	95.77 2.02 -63.33	102.20 1.80 -73.13	95.59 2.38 -55.84	74.21 2.11 -39.43
STONY__BROOK 24151	101.72 1.27 -66.03	77.31 -0.56 -88.75	80.42 -1.16 -106.22	91.72 -0.83 -113.00	65.97 -0.61 -80.24	48.62 -0.09 -51.31	77.01 0.13 -73.97	60.77 1.35 -27.48	60.11 2.82 -1.33	59.92 2.11 -13.81	48.08 2.69 0.00	48.00 2.83 0.00	48.55 2.40 0.00	53.14 2.96 0.00	55.07 2.84 0.00	84.64 4.05 0.00	82.78 3.45 0.00	102.51 4.26 -3.28	108.19 1.20 -83.17	129.02 1.33 -102.04	82.93 1.64 -50.87	87.61 1.60 -58.73	84.20 2.03 -44.81	65.92 1.50 -31.76
STURGEON_POOL_HYD 23609	102.57 1.07 -67.07	78.99 -0.29 -90.15	82.67 -0.59 -107.90	93.91 -0.43 -114.79	67.55 -0.30 -81.51	49.46 -0.06 -52.13	78.24 0.10 -75.23	61.08 1.17 -27.97	59.72 2.41 -1.36	62.24 1.87 -16.38	47.40 2.01 0.00	47.09 1.92 0.00	47.89 1.73 0.00	52.07 1.89 0.00	54.22 2.00 0.00	83.64 3.05 0.00	82.03 2.71 0.00	101.86 3.55 -3.33	109.33 0.97 -84.53	130.36 1.00 -103.71	83.32 1.20 -51.70	88.05 1.08 -59.69	84.36 1.45 -45.55	65.99 1.17 -32.16
ST_LAW_115_BK7_LBMP 345037	34.26 -0.16 0.00	-10.87 0.00 0.00	-24.71 -0.07 0.00	-20.52 -0.07 0.00	-13.73 -0.07 0.00	-2.61 -0.01 0.00	2.90 -0.01 0.00	31.86 -0.08 0.00	55.87 -0.08 0.00	43.89 -0.11 0.00	45.25 -0.14 0.00	45.07 -0.10 0.00	46.22 0.06 0.00	50.23 0.05 0.00	52.12 -0.11 0.00	80.46 -0.13 0.00	79.40 0.07 0.00	94.84 -0.14 0.00	23.63 -0.20 0.00	23.98 -0.17 1.49	20.14 -0.18 10.09	24.21 -0.08 2.99	36.68 -0.13 0.55	32.60 -0.06 0.00

ST_LAW_115_BK8_LBMP 345038	34.26 -0.16 0.00	-10.87 0.00 0.00	-24.71 -0.07 0.00	-20.52 -0.07 0.00	-13.73 -0.07 0.00	-2.61 -0.01 0.00	2.90 -0.01 0.00	31.86 -0.08 0.00	55.87 -0.08 0.00	43.89 -0.11 0.00	45.25 -0.14 0.00	45.07 -0.10 0.00	46.22 0.06 0.00	50.23 0.05 0.00	52.12 -0.11 0.00	80.46 -0.13 0.00	79.40 0.07 0.00	94.84 -0.14 0.00	23.63 -0.20 0.00	23.98 -0.17 1.49	20.14 -0.18 10.09	24.21 -0.08 2.99	36.68 -0.13 0.55	32.60 -0.06 0.00
ST_LAW_230_BK5_LBMP 345035	34.26 -0.16 0.00	-10.87 0.00 0.00	-24.71 -0.07 0.00	-20.52 -0.07 0.00	-13.73 -0.07 0.00	-2.61 -0.01 0.00	2.90 -0.01 0.00	31.86 -0.08 0.00	55.87 -0.08 0.00	43.89 -0.10 0.00	45.26 -0.12 0.00	45.08 -0.09 0.00	46.23 0.07 0.00	50.25 0.07 0.00	52.13 -0.10 0.00	80.45 -0.13 0.00	79.39 0.06 0.00	94.81 -0.16 0.00	23.62 -0.20 0.00	23.98 -0.17 1.49	20.14 -0.19 10.09	24.20 -0.09 2.99	36.67 -0.14 0.55	32.59 -0.07 0.00
ST_LAW_230_BK6_LBMP 345036	34.26 -0.16 0.00	-10.87 0.00 0.00	-24.71 -0.07 0.00	-20.52 -0.07 0.00	-13.73 -0.07 0.00	-2.61 -0.01 0.00	2.90 -0.01 0.00	31.86 -0.08 0.00	55.87 -0.08 0.00	43.89 -0.10 0.00	45.26 -0.12 0.00	45.08 -0.09 0.00	46.23 0.07 0.00	50.25 0.07 0.00	52.13 -0.10 0.00	80.45 -0.13 0.00	79.39 0.06 0.00	94.81 -0.16 0.00	23.62 -0.20 0.00	23.98 -0.17 1.49	20.14 -0.19 10.09	24.20 -0.09 2.99	36.67 -0.14 0.55	32.59 -0.07 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	96.16 0.82 -60.91	70.77 -0.22 -81.87	72.88 -0.47 -97.99	83.47 -0.33 -104.24	60.13 -0.24 -74.02	44.68 -0.05 -47.34	71.25 0.09 -68.25	58.35 1.05 -25.37	59.20 2.01 -1.23	58.20 1.56 -12.65	47.02 1.63 0.00	46.69 1.52 0.00	47.53 1.37 0.00	51.63 1.45 0.00	53.81 1.59 0.00	83.00 2.42 0.00	81.44 2.11 0.00	100.87 2.87 -3.02	101.39 0.83 -76.73	120.64 0.85 -94.15	78.37 1.02 -46.93	82.38 0.92 -54.19	79.92 1.22 -41.34	62.85 0.99 -29.19
SWANROAD_115KV_TB1 355699	42.62 -3.19 -11.38	5.21 0.78 -15.29	-5.08 1.25 -18.31	-0.16 0.82 -19.47	0.72 0.55 -13.83	6.21 0.11 -8.70	14.07 -0.21 -11.37	28.60 -2.25 1.09	44.45 -3.84 7.67	35.62 -2.68 5.69	35.05 -3.11 7.23	35.16 -3.06 6.95	35.19 -3.25 7.72	38.72 -3.56 7.91	40.63 -4.26 7.33	65.29 -7.04 8.26	63.98 -6.76 8.59	77.42 -8.32 9.24	28.73 -2.25 -7.15	33.10 -2.32 -9.77	29.65 -2.80 -2.03	30.33 -2.51 -5.57	37.06 -2.85 -2.55	33.10 -2.28 -2.72
SYNERGY___BIOGAS 323694	43.52 -1.48 -10.58	3.64 0.30 -14.22	-7.29 0.33 -17.02	-2.28 0.07 -18.10	-0.78 0.03 -12.85	5.52 0.00 -8.12	13.75 -0.04 -10.88	31.81 -0.38 -0.26	49.97 -0.56 5.43	40.04 -0.17 3.78	39.67 -0.56 5.16	39.64 -0.57 4.96	40.00 -0.64 5.51	44.00 -0.54 5.64	46.02 -0.97 5.23	72.83 -1.87 5.89	71.59 -1.61 6.13	86.64 -1.87 6.47	31.47 -0.56 -8.20	35.87 -0.55 -10.77	32.98 -0.79 -3.34	32.66 -0.77 -6.16	40.19 -0.66 -3.49	35.28 -0.50 -3.12
SYRACUSE___ENERGY_ST1 323597	42.26 -0.33 -8.16	0.21 0.11 -10.97	-11.30 0.21 -13.13	-6.34 0.14 -13.97	-3.64 0.10 -9.92	3.75 0.01 -6.34	12.06 -0.01 -9.16	35.16 -0.19 -3.41	55.57 -0.56 -0.16	44.53 -0.40 -0.94	44.96 -0.43 0.00	44.78 -0.40 0.00	45.68 -0.48 0.00	49.65 -0.53 0.00	51.63 -0.59 0.00	79.67 -0.91 0.00	78.57 -0.76 0.00	94.64 -0.74 -0.40	34.06 -0.05 -10.28	38.42 -0.06 -12.83	38.04 -0.13 -7.75	34.77 -0.20 -7.69	42.66 -0.33 -5.62	36.26 -0.32 -3.91
SYRACUSE___ENERGY_ST2 323598	42.26 -0.33 -8.16	0.21 0.11 -10.97	-11.30 0.21 -13.13	-6.34 0.14 -13.97	-3.64 0.10 -9.92	3.75 0.01 -6.34	12.06 -0.01 -9.16	35.16 -0.19 -3.41	55.57 -0.56 -0.16	44.53 -0.40 -0.94	44.96 -0.43 0.00	44.78 -0.40 0.00	45.68 -0.48 0.00	49.65 -0.53 0.00	51.63 -0.59 0.00	79.67 -0.91 0.00	78.57 -0.76 0.00	94.64 -0.74 -0.40	34.06 -0.05 -10.28	38.42 -0.06 -12.83	38.04 -0.13 -7.75	34.77 -0.20 -7.69	42.66 -0.33 -5.62	36.26 -0.32 -3.91
SYRACUSE___POWER 24017	42.41 -0.42 -8.40	0.56 0.14 -11.29	-10.84 0.29 -13.51	-5.87 0.20 -14.37	-3.31 0.14 -10.21	3.94 0.02 -6.53	12.31 -0.03 -9.43	35.18 -0.27 -3.51	55.48 -0.65 -0.17	44.49 -0.46 -0.96	44.91 -0.48 0.00	44.72 -0.45 0.00	45.63 -0.53 0.00	49.61 -0.57 0.00	51.58 -0.64 0.00	79.58 -1.00 0.00	78.44 -0.88 0.00	94.41 -0.98 -0.42	34.29 -0.12 -10.58	38.72 -0.12 -13.19	38.12 -0.21 -7.91	34.90 -0.27 -7.90	42.74 -0.40 -5.78	36.29 -0.40 -4.03
TALLMAN___138KV_BK151 55660	97.87 0.85 -62.59	73.02 -0.24 -84.12	75.56 -0.49 -100.69	86.32 -0.35 -107.12	62.15 -0.25 -76.06	45.98 -0.06 -48.64	73.13 0.10 -70.13	59.14 1.14 -26.06	59.39 2.17 -1.26	58.71 1.70 -13.02	47.17 1.78 0.00	46.83 1.66 0.00	47.68 1.53 0.00	51.84 1.66 0.00	53.98 1.75 0.00	83.23 2.64 0.00	81.55 2.22 0.00	101.10 3.02 -3.11	103.56 0.88 -78.84	123.28 0.91 -96.74	79.72 1.08 -48.22	83.94 0.99 -55.68	81.15 1.32 -42.48	63.72 1.07 -29.99
TEALLAVE_115KV_TB7 355573	41.09 -0.62 -7.28	-0.89 0.19 -9.79	-12.52 0.41 -11.71	-7.69 0.30 -12.46	-4.61 0.21 -8.85	3.09 0.04 -5.66	11.04 -0.04 -8.17	34.50 -0.47 -3.04	55.09 -1.02 -0.15	44.07 -0.76 -0.84	44.61 -0.79 0.00	44.42 -0.76 0.00	45.33 -0.83 0.00	49.28 -0.91 0.00	51.24 -0.98 0.00	79.03 -1.56 0.00	77.89 -1.44 0.00	93.67 -1.67 -0.36	32.70 -0.30 -9.17	36.82 -0.31 -11.49	37.20 -0.43 -7.21	33.76 -0.47 -6.95	41.72 -0.67 -5.03	35.53 -0.62 -3.49
TELGRAPH_34_KV_EAST 80808	43.10 -2.30 -10.97	4.42 0.54 -14.75	-6.17 0.81 -17.66	-1.20 0.47 -18.78	-0.02 0.31 -13.34	5.86 0.06 -8.41	13.82 -0.12 -11.04	29.84 -1.32 0.78	46.72 -2.19 7.05	37.40 -1.42 5.18	36.90 -1.83 6.65	36.99 -1.78 6.40	37.16 -1.89 7.11	40.88 -2.02 7.28	42.85 -2.62 6.75	68.54 -4.45 7.60	67.26 -4.16 7.90	81.32 -5.18 8.48	29.63 -1.41 -7.21	33.97 -1.44 -9.77	30.88 -1.80 -2.25	31.19 -1.66 -5.57	38.27 -1.78 -2.69	34.00 -1.41 -2.74
TEMPLE___115KV_TB 2 55572	41.17 -0.62 -7.36	-0.78 0.19 -9.90	-12.38 0.41 -11.84	-7.55 0.30 -12.60	-4.51 0.21 -8.95	3.15 0.04 -5.72	11.13 -0.04 -8.26	34.53 -0.48 -3.07	55.09 -1.02 -0.15	44.08 -0.75 -0.84	44.61 -0.78 0.00	44.42 -0.76 0.00	45.33 -0.82 0.00	49.28 -0.90 0.00	51.24 -0.98 0.00	79.03 -1.56 0.00	77.89 -1.44 0.00	93.67 -1.67 -0.37	32.80 -0.30 -9.27	36.94 -0.31 -11.61	37.23 -0.43 -7.24	33.82 -0.47 -7.01	41.77 -0.67 -5.08	35.58 -0.61 -3.53
TIANA____69_KV_BK 1 55817	101.79 1.34 -66.03	77.22 -0.66 -88.75	80.20 -1.38 -106.22	91.53 -1.02 -113.00	65.87 -0.71 -80.24	48.63 -0.08 -51.31	76.98 0.11 -73.97	60.42 0.99 -27.48	59.54 2.25 -1.33	59.52 1.71 -13.81	47.92 2.53 0.00	47.93 2.76 0.00	48.39 2.24 0.00	53.06 2.88 0.00	55.13 2.90 0.00	84.75 4.16 0.00	82.65 3.32 0.00	102.26 4.00 -3.28	107.95 0.95 -83.17	128.76 1.07 -102.04	82.57 1.28 -50.87	87.26 1.25 -58.73	83.70 1.53 -44.81	65.48 1.07 -31.75
TILDEN___115KV_TB1 80814	42.41 -0.42 -8.40	0.56 0.14 -11.29	-10.84 0.29 -13.51	-5.87 0.20 -14.37	-3.31 0.14 -10.21	3.94 0.02 -6.53	12.31 -0.03 -9.43	35.18 -0.27 -3.51	55.48 -0.65 -0.17	44.49 -0.46 -0.96	44.91 -0.48 0.00	44.72 -0.45 0.00	45.63 -0.53 0.00	49.61 -0.57 0.00	51.58 -0.64 0.00	79.58 -1.00 0.00	78.44 -0.88 0.00	94.41 -0.98 -0.42	34.29 -0.12 -10.58	38.72 -0.12 -13.19	38.12 -0.21 -7.91	34.90 -0.27 -7.90	42.74 -0.40 -5.78	36.29 -0.40 -4.03

TRIGEN___CC 323695	101.69 1.23 -66.03	77.45 -0.42 -88.75	80.72 -0.86 -106.22	91.95 -0.60 -113.00	66.13 -0.45 -80.24	48.62 -0.09 -51.31	77.00 0.13 -73.97	60.83 1.40 -27.48	60.23 2.93 -1.33	60.11 2.31 -13.81	47.99 2.60 0.00	47.82 2.65 0.00	48.46 2.31 0.00	52.82 2.64 0.00	54.76 2.54 0.00	84.23 3.65 0.00	82.60 3.28 0.00	102.39 4.14 -3.28	108.16 1.16 -83.17	128.95 1.26 -102.04	82.86 1.57 -50.87	87.52 1.51 -58.73	84.14 1.97 -44.81	66.72 1.52 -32.53
TRINITY___115KV___4 BK 55933	115.56 1.08 -80.05	96.42 -0.31 -107.59	103.48 -0.66 -128.78	116.02 -0.53 -137.00	83.27 -0.34 -97.28	59.54 -0.06 -62.21	93.03 0.08 -90.04	66.33 0.85 -33.54	59.21 1.63 -1.62	87.87 1.33 -42.55	46.78 1.39 0.00	46.54 1.37 0.00	47.43 1.27 0.00	51.67 1.48 0.00	54.09 1.86 0.00	83.49 2.91 0.00	82.12 2.79 0.00	102.50 3.55 -3.97	125.52 0.91 -100.79	150.25 0.95 -123.66	93.20 1.13 -61.64	99.45 0.99 -71.18	93.08 1.37 -54.35	72.25 1.21 -38.38
UNION___PROCESSING_DRP 323587	42.39 -1.59 -9.55	2.35 0.39 -12.84	-8.56 0.71 -15.36	-3.65 0.46 -16.34	-1.76 0.30 -11.60	4.86 0.05 -7.42	13.55 -0.08 -10.72	35.11 -0.81 -3.99	54.71 -1.44 -0.19	44.15 -0.93 -1.10	44.22 -1.17 0.00	44.08 -1.10 0.00	44.99 -1.16 0.00	48.98 -1.20 0.00	50.66 -1.57 0.00	77.92 -2.67 0.00	76.83 -2.50 0.00	92.40 -3.05 -0.47	35.07 -0.79 -12.04	39.60 -0.81 -14.77	36.74 -1.05 -7.36	34.78 -1.00 -8.50	42.74 -1.11 -6.49	36.34 -0.91 -4.58
UPPER HUDSON___HYD 24058	119.74 3.14 -82.17	98.65 -0.93 -110.45	105.48 -2.08 -132.19	118.48 -1.71 -140.63	85.08 -1.12 -99.86	61.03 -0.22 -63.86	95.50 0.29 -92.30	69.70 3.40 -34.35	63.82 6.20 -1.66	119.11 4.74 -70.38	49.70 4.31 0.00	49.73 4.56 0.00	50.51 4.36 0.00	54.94 4.76 0.00	57.48 5.25 0.00	89.19 8.60 0.00	88.02 8.69 0.00	109.83 10.78 -4.08	129.97 2.55 -103.58	155.49 2.76 -127.09	96.89 3.12 -63.35	103.20 2.77 -73.16	96.83 3.59 -55.87	75.31 3.20 -39.45
UPPER RAQUET___HYD 24056	40.25 3.22 -2.61	-8.39 -1.04 -3.51	-22.69 -2.25 -4.20	-17.98 -2.00 -4.47	-11.62 -1.14 -3.18	-0.76 -0.18 -2.03	6.03 0.19 -2.93	34.92 1.89 -1.09	58.41 2.40 -0.05	45.68 1.39 -0.30	46.87 1.48 0.00	46.75 1.58 0.00	46.94 0.78 0.00	50.51 0.33 0.00	53.23 1.01 0.00	83.71 3.13 0.00	82.85 3.52 0.00	100.42 5.31 -0.13	28.55 1.43 -3.29	38.54 2.21 -10.69	80.22 2.65 -47.15	45.84 2.95 -15.62	45.11 3.52 -4.23	36.89 2.84 -1.39
VALLEY44_115KV_TB2 355964	46.95 -0.87 -13.40	7.33 0.19 -18.01	-2.89 0.19 -21.56	2.48 0.00 -22.93	2.63 0.01 -16.28	7.80 0.00 -10.41	17.91 -0.04 -15.04	37.43 -0.10 -5.60	56.35 0.12 -0.27	47.34 0.30 -3.06	45.51 0.12 0.00	45.54 0.36 0.00	46.39 0.24 0.00	50.31 0.13 0.00	51.87 -0.36 0.00	79.64 -0.94 0.00	78.12 -1.21 0.00	93.70 -1.94 -0.66	40.19 -0.52 -16.88	45.86 -0.50 -20.71	40.00 -0.74 -10.32	38.53 -0.66 -11.92	46.11 -0.35 -9.10	38.83 -0.25 -6.42
VALLEY___115KV_TB 1-4 80826	35.88 0.37 -1.09	-9.52 -0.10 -1.46	-23.12 -0.23 -1.75	-18.65 -0.06 -1.86	-12.30 0.04 -1.32	-1.76 0.00 -0.84	4.17 0.05 -1.22	32.80 0.41 -0.45	56.68 0.70 -0.02	44.57 0.45 -0.12	45.68 0.29 0.00	45.13 -0.04 0.00	46.08 -0.08 0.00	50.15 -0.03 0.00	52.31 0.08 0.00	80.76 0.17 0.00	79.50 0.17 0.00	95.67 0.64 -0.05	25.42 0.22 -1.37	27.56 0.24 -1.68	31.49 0.23 -0.83	28.44 0.20 -0.97	38.32 0.22 -0.74	33.32 0.14 -0.52
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	64.66 1.49 -28.75	27.34 -0.43 -38.64	20.63 -0.97 -46.24	27.93 -0.81 -49.19	20.70 -0.57 -34.93	19.62 -0.11 -22.34	35.31 0.14 -32.26	45.48 1.54 -12.00	59.38 2.84 -0.58	58.28 2.29 -12.00	47.76 2.37 0.00	47.42 2.25 0.00	48.37 2.22 0.00	52.52 2.34 0.00	54.76 2.53 0.00	84.51 3.92 0.00	83.11 3.78 0.00	101.20 4.80 -1.43	61.33 1.30 -36.20	71.45 1.40 -44.42	54.25 1.69 -22.14	54.33 1.49 -25.56	58.93 2.06 -19.51	48.16 1.72 -13.78
VISCHER___FERRY HYD 24020	116.73 1.19 -81.11	97.80 -0.35 -109.01	105.10 -0.74 -130.48	117.76 -0.59 -138.81	84.53 -0.37 -98.56	60.35 -0.07 -63.03	94.11 0.11 -91.09	67.07 1.23 -33.90	59.92 2.32 -1.64	109.16 1.93 -63.24	47.31 1.92 0.00	46.98 1.81 0.00	47.86 1.71 0.00	52.00 1.82 0.00	54.21 1.99 0.00	83.74 3.16 0.00	82.43 3.11 0.00	102.91 3.91 -4.03	126.98 0.99 -102.16	152.04 1.05 -125.34	94.14 1.24 -62.48	100.54 1.11 -72.15	93.98 1.51 -55.11	72.93 1.35 -38.91
V_A_10_SYNC_DSASP 323832	42.39 -2.47 -10.43	3.76 0.61 -14.02	-6.73 1.13 -16.78	-1.84 0.75 -17.85	-0.49 0.50 -12.67	5.50 0.09 -8.02	13.49 -0.15 -10.74	30.64 -1.56 -0.26	47.97 -2.64 5.35	38.49 -1.78 3.72	38.23 -2.07 5.09	38.37 -1.92 4.89	38.63 -2.09 5.43	42.31 -2.31 5.56	44.20 -2.87 5.16	69.89 -4.89 5.81	68.59 -4.70 6.04	82.78 -5.82 6.37	30.36 -1.57 -8.09	34.65 -1.63 -10.63	31.71 -2.01 -3.30	31.57 -1.78 -6.08	38.86 -1.95 -3.45	34.17 -1.57 -3.08
V_CMM_10_SYNC_DSASP 323787	34.43 0.00 0.00	-10.92 -0.05 0.00	-24.82 -0.18 0.00	-20.61 -0.16 0.00	-13.79 -0.13 0.00	-2.63 -0.02 0.00	2.92 0.01 0.00	32.02 0.08 0.00	56.15 0.20 0.00	44.10 0.11 0.00	45.47 0.08 0.00	45.30 0.13 0.00	46.45 0.29 0.00	50.47 0.29 0.00	52.38 0.15 0.00	80.87 0.28 0.00	79.80 0.47 0.00	95.33 0.36 0.00	23.75 -0.08 0.00	24.11 -0.04 1.49	20.30 -0.03 10.09	24.34 0.05 2.99	36.87 0.06 0.55	32.77 0.11 0.00
V_CMP_10_SYNC_DSASP 323788	34.18 -0.25 0.00	-11.06 -0.19 0.00	-25.46 -0.82 0.00	-21.15 -0.70 0.00	-14.15 -0.48 0.00	-2.65 -0.05 0.00	2.86 -0.05 0.00	31.55 -0.39 0.00	55.38 -0.58 0.00	43.46 -0.53 0.00	44.61 -0.78 0.00	44.50 -0.67 0.00	45.58 -0.57 0.00	49.41 -0.77 0.00	51.00 -1.22 0.00	78.91 -1.68 0.00	78.23 -1.10 0.00	93.68 -1.30 0.00	23.18 -0.65 0.00	22.74 -0.66 2.24	8.22 -0.84 21.37	22.25 -0.54 4.49	35.60 -0.93 0.83	27.60 -0.79 4.28
V_D_10_SYNC_DSASP 323841	34.59 0.17 0.00	-10.97 -0.10 0.00	-24.93 -0.29 0.00	-20.71 -0.26 0.00	-13.86 -0.20 0.00	-2.64 -0.03 0.00	2.93 0.03 0.00	32.17 0.23 0.00	56.43 0.47 0.00	44.31 0.32 0.00	45.69 0.30 0.00	45.52 0.35 0.00	46.67 0.52 0.00	50.72 0.54 0.00	52.64 0.41 0.00	81.25 0.66 0.00	80.18 0.85 0.00	95.76 0.79 0.00	23.86 0.03 0.00	24.23 0.08 1.49	20.43 0.10 10.09	24.47 0.18 2.99	37.04 0.23 0.55	32.92 0.26 0.00
V_E_10_SYNC_DSASP 323830	56.61 1.08 -21.10	17.25 -0.24 -28.36	8.68 -0.63 -33.95	15.08 -0.59 -36.11	11.60 -0.38 -25.65	13.75 -0.07 -16.43	27.02 0.11 -24.00	43.88 1.79 -10.15	61.00 2.79 -2.25	54.27 2.19 -8.09	49.17 2.11 -1.67	48.45 1.67 -1.60	49.87 1.94 -1.78	53.75 1.74 -1.83	55.40 1.48 -1.69	84.81 2.32 -1.90	83.34 2.04 -1.98	101.20 2.92 -3.31	52.95 0.89 -28.23	61.00 0.95 -34.41	49.21 0.98 -17.81	47.84 0.74 -19.82	53.89 1.01 -15.52	43.96 0.55 -10.74
V_F_30_NSYNC___DSASP 323816	118.81 2.06 -82.33	99.18 -0.61 -110.66	106.47 -1.34 -132.45	119.36 -1.09 -140.90	85.67 -0.72 -100.05	61.23 -0.14 -63.98	95.58 0.19 -92.48	68.50 2.14 -34.42	61.46 3.84 -1.67	118.26 3.04 -71.23	48.27 2.88 0.00	48.05 2.88 0.00	48.93 2.77 0.00	53.23 3.05 0.00	55.53 3.30 0.00	86.00 5.41 0.00	84.76 5.43 0.00	105.87 6.80 -4.09	129.30 1.68 -103.79	154.80 1.81 -127.35	95.96 2.06 -63.48	102.42 1.85 -73.30	95.78 2.44 -55.98	74.33 2.14 -39.53

V_F_30_SYNC_DSASP 323786	117.09 1.43 -81.24	97.91 -0.41 -109.19	105.15 -0.90 -130.69	117.85 -0.73 -139.03	84.58 -0.48 -98.72	60.43 -0.09 -63.13	94.39 0.11 -91.38	67.18 1.21 -34.04	59.87 2.26 -1.65	103.19 1.85 -57.36	47.29 1.90 0.00	47.07 1.90 0.00	47.98 1.82 0.00	52.27 2.09 0.00	54.71 2.48 0.00	84.50 3.92 0.00	83.15 3.82 0.00	103.84 4.83 -4.03	127.36 1.22 -102.31	152.46 1.29 -125.53	94.53 1.53 -62.58	100.86 1.32 -72.26	94.35 1.80 -55.18	73.20 1.57 -38.96
V_XM_10_SYNC_DSASP 323789	34.18 -0.25 0.00	-11.06 -0.19 0.00	-25.46 -0.82 0.00	-21.15 -0.70 0.00	-14.15 -0.48 0.00	-2.65 -0.05 0.00	2.86 -0.05 0.00	31.55 -0.39 0.00	55.38 -0.58 0.00	43.46 -0.53 0.00	44.61 -0.78 0.00	44.50 -0.67 0.00	45.58 -0.57 0.00	49.41 -0.77 0.00	51.00 -1.22 0.00	78.91 -1.68 0.00	78.23 -1.10 0.00	93.68 -1.30 0.00	23.18 -0.65 0.00	22.74 -0.66 2.24	8.22 -0.84 21.37	22.25 -0.54 4.49	35.60 -0.93 0.83	27.60 -0.79 4.28
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	98.59 0.99 -63.18	73.76 -0.28 -84.91	76.41 -0.58 -101.63	87.25 -0.42 -108.12	62.81 -0.30 -76.77	46.42 -0.07 -49.10	73.80 0.11 -70.78	59.52 1.28 -26.30	59.66 2.43 -1.28	59.05 1.90 -13.16	47.38 1.99 0.00	47.04 1.86 0.00	47.88 1.72 0.00	52.05 1.87 0.00	54.20 1.98 0.00	83.58 2.99 0.00	81.90 2.58 0.00	101.56 3.44 -3.14	104.40 0.99 -79.58	124.31 1.02 -97.64	80.32 1.22 -48.67	84.58 1.11 -56.20	81.71 1.48 -42.87	64.13 1.20 -30.27
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	101.59 1.12 -66.04	77.58 -0.31 -88.76	80.99 -0.60 -106.23	92.17 -0.40 -113.01	66.27 -0.32 -80.25	48.64 -0.07 -51.32	77.01 0.13 -73.98	60.83 1.41 -27.49	60.19 2.89 -1.33	60.13 2.32 -13.82	47.78 2.39 0.00	47.42 2.25 0.00	48.24 2.09 0.00	52.37 2.19 0.00	54.49 2.26 0.00	83.87 3.28 0.00	82.15 2.82 0.00	102.03 3.78 -3.28	108.10 1.09 -83.18	128.81 1.11 -102.06	82.63 1.34 -50.87	87.30 1.28 -58.74	83.93 1.76 -44.81	65.74 1.44 -31.64
W50THST__13_KV_LOAD 356117	101.71 1.25 -66.04	77.55 -0.34 -88.76	80.92 -0.68 -106.23	92.08 -0.49 -113.01	66.21 -0.38 -80.25	48.63 -0.08 -51.32	77.03 0.14 -73.98	60.98 1.56 -27.49	60.46 3.17 -1.33	60.35 2.55 -13.82	48.03 2.64 0.00	47.67 2.50 0.00	48.50 2.34 0.00	52.63 2.45 0.00	54.75 2.52 0.00	84.28 3.70 0.00	82.55 3.22 0.00	102.52 4.26 -3.28	108.16 1.15 -83.18	128.91 1.21 -102.06	82.75 1.46 -50.87	87.40 1.38 -58.74	84.12 1.94 -44.81	65.90 1.60 -31.64
WADING RIVER_IC_1 23522	102.02 1.56 -66.03	77.22 -0.66 -88.75	80.21 -1.37 -106.22	91.55 -1.00 -113.00	65.85 -0.73 -80.24	48.60 -0.11 -51.31	77.03 0.16 -73.97	61.05 1.63 -27.48	60.58 3.28 -1.33	60.25 2.45 -13.81	48.40 3.01 0.00	48.25 3.08 0.00	48.84 2.69 0.00	53.58 3.40 0.00	55.51 3.28 0.00	85.26 4.68 0.00	83.45 4.12 0.00	103.43 5.18 -3.28	108.46 1.46 -83.17	129.30 1.62 -102.04	82.37 1.08 -50.87	87.09 1.09 -58.73	83.47 1.31 -44.81	65.30 0.88 -31.75
WADING RIVER_IC_2 23547	102.02 1.56 -66.03	77.22 -0.66 -88.75	80.21 -1.37 -106.22	91.55 -1.00 -113.00	65.85 -0.73 -80.24	48.60 -0.11 -51.31	77.03 0.16 -73.97	61.05 1.63 -27.48	60.58 3.28 -1.33	60.25 2.45 -13.81	48.40 3.01 0.00	48.25 3.08 0.00	48.84 2.69 0.00	53.58 3.40 0.00	55.51 3.28 0.00	85.26 4.68 0.00	83.45 4.12 0.00	103.43 5.18 -3.28	108.46 1.46 -83.17	129.30 1.62 -102.04	82.37 1.08 -50.87	87.09 1.09 -58.73	83.47 1.31 -44.81	65.30 0.88 -31.75
WADING RIVER_IC_3 23601	102.02 1.56 -66.03	77.22 -0.66 -88.75	80.21 -1.37 -106.22	91.55 -1.00 -113.00	65.85 -0.73 -80.24	48.60 -0.11 -51.31	77.03 0.16 -73.97	61.05 1.63 -27.48	60.58 3.28 -1.33	60.25 2.45 -13.81	48.40 3.01 0.00	48.25 3.08 0.00	48.84 2.69 0.00	53.58 3.40 0.00	55.51 3.28 0.00	85.26 4.68 0.00	83.45 4.12 0.00	103.43 5.18 -3.28	108.46 1.46 -83.17	129.30 1.62 -102.04	82.37 1.08 -50.87	87.09 1.09 -58.73	83.47 1.31 -44.81	65.30 0.88 -31.75
WALDENNY_12_KV_BK2 80841	44.63 -1.84 -12.05	5.74 0.42 -16.19	-4.70 0.56 -19.38	0.44 0.28 -20.62	1.17 0.19 -14.64	6.69 0.04 -9.26	15.25 -0.09 -12.44	31.52 -0.91 -0.49	48.70 -1.34 5.92	39.20 -0.73 4.06	38.68 -1.08 5.63	38.75 -1.01 5.41	38.99 -1.15 6.01	42.71 -1.32 6.16	44.59 -1.93 5.71	70.78 -3.38 6.43	69.47 -3.17 6.69	83.70 -4.24 7.03	32.23 -1.19 -9.59	36.99 -1.19 -12.54	32.94 -1.52 -4.04	33.10 -1.36 -7.17	40.19 -1.33 -4.15	35.29 -1.02 -3.65
WALDEN__HYDRO 24148	98.84 1.04 -63.37	74.01 -0.29 -85.17	76.70 -0.61 -101.94	87.56 -0.45 -108.45	63.04 -0.31 -77.01	46.57 -0.07 -49.25	74.03 0.12 -71.01	59.58 1.26 -26.39	59.76 2.52 -1.28	59.48 2.03 -13.46	47.48 2.09 0.00	47.15 1.98 0.00	47.96 1.80 0.00	52.10 1.91 0.00	54.30 2.08 0.00	83.84 3.26 0.00	82.07 2.75 0.00	101.72 3.59 -3.15	104.71 1.01 -79.87	124.69 1.05 -97.99	80.52 1.25 -48.85	84.81 1.13 -56.40	81.89 1.50 -43.03	64.27 1.22 -30.38
WARRENSBURG____ 23737	119.74 3.14 -82.17	98.65 -0.93 -110.45	105.48 -2.08 -132.19	118.48 -1.71 -140.63	85.08 -1.12 -99.86	61.03 -0.22 -63.86	95.50 0.29 -92.30	69.70 3.41 -34.35	63.82 6.20 -1.66	119.11 4.74 -70.38	49.71 4.32 0.00	49.73 4.56 0.00	50.51 4.35 0.00	54.94 4.76 0.00	57.48 5.25 0.00	89.19 8.60 0.00	88.02 8.69 0.00	109.84 10.78 -4.08	129.96 2.55 -103.58	155.49 2.76 -127.09	96.89 3.12 -63.35	103.20 2.77 -73.16	96.83 3.60 -55.87	75.31 3.19 -39.45
WATERSIDE____6 8 9 23538	101.37 1.24 -65.70	77.48 -0.34 -88.69	80.94 -0.67 -106.24	92.17 -0.40 -113.02	65.88 -0.32 -79.86	46.44 -0.08 -49.13	74.83 0.14 -71.78	60.76 1.49 -27.33	59.84 3.08 -0.80	59.36 2.45 -12.92	45.65 2.58 2.32	45.17 2.42 2.43	45.59 2.27 2.83	51.01 2.44 1.61	52.23 2.51 2.52	83.81 3.56 0.34	82.44 3.11 0.00	102.42 4.16 -3.28	109.11 1.20 -84.08	128.92 1.21 -102.06	83.47 1.45 -51.60	87.39 1.37 -58.74	82.04 1.89 -42.79	64.96 1.52 -30.77
WATKINRD_115KV_LN8_ILLION 55919	35.87 0.36 -1.09	-9.51 -0.10 -1.46	-23.08 -0.19 -1.75	-18.67 -0.07 -1.86	-12.36 -0.02 -1.32	-1.77 -0.01 -0.84	4.17 0.04 -1.22	32.74 0.36 -0.45	56.63 0.64 -0.02	44.56 0.44 -0.12	45.73 0.34 0.00	45.32 0.14 0.00	46.28 0.13 0.00	50.35 0.17 0.00	52.51 0.28 0.00	81.08 0.49 0.00	79.79 0.46 0.00	95.90 0.87 -0.05	25.47 0.27 -1.37	27.61 0.28 -1.68	31.57 0.31 -0.83	28.51 0.27 -0.97	38.43 0.33 -0.74	33.42 0.24 -0.52
WATSON__69_KV_BK 1 55734	102.27 1.81 -66.03	77.22 -0.65 -88.75	80.23 -1.35 -106.22	91.56 -0.99 -113.00	65.85 -0.73 -80.24	48.57 -0.13 -51.31	77.05 0.17 -73.97	61.18 1.76 -27.48	60.86 3.57 -1.33	60.46 2.65 -13.81	48.56 3.17 0.00	48.47 3.30 0.00	49.05 2.89 0.00	53.57 3.39 0.00	55.55 3.32 0.00	85.41 4.83 0.00	83.67 4.34 0.00	103.23 4.97 -3.28	108.42 1.42 -83.17	129.35 1.66 -102.04	83.33 2.04 -50.87	87.96 1.95 -58.73	84.70 2.53 -44.81	66.37 1.92 -31.79
WDELAWARE__HYD 323627	95.94 1.83 -59.68	68.80 -0.54 -80.22	70.20 -1.17 -96.01	80.74 -0.94 -102.14	58.22 -0.65 -72.53	43.64 -0.14 -46.38	70.00 0.19 -66.90	58.83 2.02 -24.87	60.93 3.77 -1.21	60.11 2.94 -13.17	48.41 3.02 0.00	48.09 2.91 0.00	48.83 2.68 0.00	53.06 2.88 0.00	55.41 3.19 0.00	85.60 5.02 0.00	84.05 4.72 0.00	104.05 6.11 -2.96	100.67 1.63 -75.21	119.63 1.71 -92.28	78.42 2.00 -46.00	82.16 1.77 -53.11	80.24 2.36 -40.52	63.26 1.99 -28.61

WEST BABYLON___IC 23714	102.12 1.67 -66.03	77.27 -0.61 -88.75	80.32 -1.26 -106.22	91.63 -0.92 -113.00	65.91 -0.68 -80.24	48.59 -0.12 -51.31	77.04 0.17 -73.97	61.16 1.73 -27.48	60.84 3.54 -1.33	60.44 2.64 -13.81	48.48 3.09 0.00	48.38 3.21 0.00	48.97 2.82 0.00	53.45 3.27 0.00	55.40 3.17 0.00	85.18 4.59 0.00	83.51 4.19 0.00	103.19 4.94 -3.28	108.40 1.40 -83.17	129.30 1.61 -102.04	83.29 2.00 -50.87	87.91 1.90 -58.73	84.64 2.47 -44.81	66.43 1.88 -31.88
WEST CANADA___HYD 24049	35.76 0.24 -1.09	-9.48 -0.06 -1.46	-22.97 -0.08 -1.75	-18.63 -0.04 -1.86	-12.35 -0.01 -1.32	-1.77 -0.01 -0.84	4.14 0.01 -1.22	32.53 0.14 -0.45	56.26 0.28 -0.02	44.29 0.18 -0.12	45.61 0.22 0.00	45.38 0.21 0.00	46.29 0.13 0.00	50.32 0.14 0.00	52.42 0.20 0.00	80.92 0.34 0.00	79.60 0.27 0.00	95.44 0.41 -0.05	25.33 0.14 -1.37	27.45 0.13 -1.68	31.41 0.15 -0.83	28.38 0.14 -0.97	38.29 0.19 -0.74	33.34 0.16 -0.52
WESTERN_NY_WIND 24143	43.58 -1.53 -10.68	3.78 0.31 -14.35	-7.11 0.35 -17.17	-2.09 0.09 -18.27	-0.64 0.05 -12.97	5.59 0.00 -8.19	13.78 -0.05 -10.92	31.50 -0.44 0.00	49.46 -0.68 5.83	39.60 -0.27 4.12	39.16 -0.70 5.53	39.14 -0.72 5.31	39.48 -0.78 5.90	43.47 -0.67 6.04	45.49 -1.14 5.60	72.22 -2.05 6.31	70.97 -1.79 6.56	85.86 -2.16 6.96	31.16 -0.63 -7.96	35.56 -0.61 -10.53	32.65 -0.85 -3.07	32.45 -0.85 -6.02	39.90 -0.75 -3.29	35.12 -0.57 -3.03
WESTOVER___LESR 323668	56.05 -0.16 -21.79	18.52 0.10 -29.29	10.58 0.17 -35.05	16.96 0.11 -37.29	12.90 0.08 -26.48	14.34 0.01 -16.93	27.37 0.01 -24.46	41.13 0.09 -9.10	56.62 0.22 -0.44	49.37 0.16 -5.22	45.51 0.12 0.00	45.39 0.22 0.00	46.32 0.17 0.00	50.24 0.06 0.00	52.17 -0.06 0.00	80.40 -0.19 0.00	79.11 -0.22 0.00	95.54 -0.52 -1.08	51.24 -0.02 -27.44	59.29 -0.02 -33.66	47.11 -0.10 -16.78	46.55 -0.11 -19.38	52.09 -0.06 -14.79	42.97 -0.13 -10.44
WETHRSFD_WT_PWR 323626	45.65 -2.67 -13.90	8.65 0.84 -18.68	-0.42 1.86 -22.36	4.77 1.43 -23.79	4.25 1.02 -16.89	7.46 0.19 -9.87	8.30 -0.23 -5.63	-6.69 -2.51 36.12	-5.14 -4.44 56.66	-6.62 -3.44 47.17	-10.40 -3.71 52.08	-8.53 -3.57 50.12	-13.26 -3.68 55.73	-11.00 -4.11 57.06	-5.34 -4.65 52.92	13.62 -7.39 59.58	10.34 -7.04 61.95	16.18 -8.75 70.05	-12.58 -2.02 34.39	-11.61 -2.21 35.04	-10.28 -2.74 37.97	4.17 -2.55 20.56	6.26 -3.15 27.95	16.82 -2.75 13.09
WHAVSTOR_138KV_BK127 55557	98.59 0.86 -63.30	73.97 -0.24 -85.08	76.70 -0.49 -101.83	87.54 -0.34 -108.33	63.02 -0.25 -76.93	46.53 -0.06 -49.19	73.93 0.10 -70.92	59.42 1.13 -26.35	59.42 2.18 -1.28	58.89 1.71 -13.19	47.18 1.79 0.00	46.85 1.67 0.00	47.69 1.53 0.00	51.83 1.65 0.00	53.96 1.74 0.00	83.20 2.61 0.00	81.52 2.19 0.00	101.10 2.98 -3.14	104.44 0.87 -79.74	124.37 0.89 -97.83	80.26 1.07 -48.77	84.57 0.99 -56.31	81.63 1.32 -42.96	64.06 1.07 -30.33
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	98.59 0.86 -63.30	73.97 -0.24 -85.08	76.70 -0.49 -101.83	87.54 -0.34 -108.33	63.02 -0.25 -76.93	46.53 -0.06 -49.19	73.93 0.10 -70.92	59.42 1.13 -26.35	59.42 2.18 -1.28	58.89 1.71 -13.19	47.18 1.79 0.00	46.85 1.67 0.00	47.69 1.53 0.00	51.83 1.65 0.00	53.96 1.74 0.00	83.20 2.61 0.00	81.52 2.19 0.00	101.10 2.98 -3.14	104.44 0.87 -79.74	124.37 0.89 -97.83	80.26 1.07 -48.77	84.57 0.99 -56.31	81.63 1.32 -42.96	64.06 1.07 -30.33
WHITEHAL_115KV_TB1 80871	120.59 4.03 -82.13	98.37 -1.15 -110.39	104.91 -2.57 -132.12	118.01 -2.09 -140.56	84.84 -1.30 -99.80	60.97 -0.25 -63.82	95.50 0.35 -92.25	70.53 4.26 -34.33	65.75 8.13 -1.66	120.05 5.92 -70.14	50.15 4.76 0.00	50.74 5.57 0.00	51.20 5.04 0.00	55.87 5.69 0.00	58.67 6.44 0.00	91.08 10.50 0.00	90.25 10.92 0.00	112.50 13.44 -4.08	130.43 3.08 -103.52	156.04 3.38 -127.02	97.63 3.89 -63.32	103.93 3.54 -73.12	97.91 4.71 -55.84	76.43 4.34 -39.42
WHITEPLN_13_KV_LOAD 356215	101.78 1.45 -65.91	77.30 -0.42 -88.58	80.53 -0.86 -106.03	91.73 -0.61 -112.79	66.01 -0.43 -80.10	48.52 -0.09 -51.22	76.89 0.15 -73.83	61.03 1.66 -27.44	60.58 3.29 -1.33	60.38 2.59 -13.79	48.09 2.70 0.00	47.70 2.53 0.00	48.53 2.37 0.00	52.74 2.56 0.00	54.90 2.67 0.00	84.60 4.02 0.00	82.99 3.66 0.00	103.05 4.80 -3.27	108.17 1.32 -83.02	128.87 1.37 -101.86	82.82 1.62 -50.78	87.39 1.49 -58.63	84.07 1.99 -44.72	65.85 1.61 -31.58
WM_FLOYD_69_KV_BK2 356380	101.69 1.23 -66.03	77.27 -0.60 -88.75	80.33 -1.25 -106.22	91.65 -0.90 -113.00	65.93 -0.66 -80.24	48.62 -0.08 -51.31	76.99 0.12 -73.97	60.58 1.16 -27.48	59.81 2.52 -1.33	59.66 1.86 -13.81	47.92 2.53 0.00	47.90 2.73 0.00	48.37 2.21 0.00	53.04 2.86 0.00	55.01 2.78 0.00	84.52 3.94 0.00	82.49 3.16 0.00	102.16 3.91 -3.28	108.07 1.07 -83.17	128.88 1.19 -102.04	82.74 1.45 -50.87	87.43 1.42 -58.73	83.95 1.78 -44.81	65.69 1.27 -31.75
WOODARD___115KV_TB2 355635	41.29 -0.59 -7.45	-0.67 0.18 -10.02	-12.24 0.41 -11.99	-7.40 0.30 -12.75	-4.40 0.21 -9.06	3.22 0.04 -5.79	11.23 -0.04 -8.37	34.57 -0.47 -3.11	55.06 -1.05 -0.15	44.07 -0.78 -0.85	44.59 -0.80 0.00	44.40 -0.78 0.00	45.29 -0.86 0.00	49.27 -0.91 0.00	51.22 -1.01 0.00	79.03 -1.56 0.00	77.90 -1.43 0.00	93.69 -1.65 -0.37	32.93 -0.29 -9.39	37.10 -0.30 -11.76	37.37 -0.42 -7.36	33.93 -0.46 -7.11	41.85 -0.66 -5.15	35.63 -0.61 -3.57
YORK___WARBASSE 23770	103.61 1.45 -67.74	77.83 -0.41 -89.11	80.80 -0.80 -106.24	92.05 -0.52 -113.02	68.17 -0.42 -82.26	59.57 -0.10 -62.28	88.03 0.17 -84.96	61.95 1.73 -28.28	63.39 3.45 -3.99	64.96 2.70 -18.28	60.27 2.93 -11.95	60.37 2.71 -12.49	62.84 2.59 -14.10	61.04 2.83 -8.03	67.68 2.91 -12.55	86.25 3.98 -1.68	82.85 3.52 0.00	103.03 4.77 -3.28	112.80 1.35 -87.62	129.07 1.36 -102.06	87.31 1.65 -55.25	87.57 1.55 -58.75	94.44 2.17 -54.91	70.40 1.77 -35.97