

Day Ahead Market Generator LBMP

--- LBMP \$		--- Marginal Cost of Losses														--- Marginal Cost of Congestion										01/22/2024	
Generator Data		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		
Name	PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST		
59TH STREET_GT_1 24138		88.22	85.75	80.83	80.67	83.70	87.70	114.38	130.96	140.74	130.17	94.89	93.59	88.66	87.43	81.36	89.58	102.87	118.45	113.86	97.70	94.28	80.34	65.26	69.63		
		4.94	4.22	4.24	3.99	4.13	4.95	5.95	5.97	6.44	5.72	5.58	5.22	4.85	4.78	4.71	5.05	5.63	6.07	5.88	5.80	5.23	4.66	4.14	3.72		
		-27.19	-33.58	-27.25	-30.33	-32.09	-27.75	-49.54	-67.57	-73.48	-69.93	-32.99	-35.19	-34.31	-32.85	-27.10	-32.40	-40.97	-55.12	-51.41	-35.64	-37.85	-29.47	-18.48	-22.64		
74TH STREET_GT_1 24260		88.39	85.85	80.94	80.81	83.81	87.81	114.41	135.35	158.12	153.60	107.51	108.61	101.97	101.15	90.98	98.97	111.68	122.23	118.59	101.48	98.92	80.58	65.07	69.50		
		5.10	4.31	4.34	4.13	4.23	5.06	5.89	5.91	6.38	5.67	5.58	5.16	4.80	4.78	4.71	5.00	5.63	6.07	5.94	5.80	5.22	4.67	4.09	3.81		
		-27.19	-33.59	-27.26	-30.33	-32.09	-27.76	-49.63	-72.01	-90.92	-93.41	-45.61	-50.27	-47.67	-46.58	-36.72	-41.85	-49.78	-58.90	-56.09	-39.43	-42.50	-29.71	-18.34	-22.42		
74TH STREET_GT_2 24261		88.39	85.85	80.94	80.81	83.81	87.81	114.41	135.35	158.12	153.60	107.51	108.61	101.97	101.15	90.98	98.97	111.68	122.23	118.59	101.48	98.92	80.58	65.07	69.50		
		5.10	4.31	4.34	4.13	4.23	5.06	5.89	5.91	6.38	5.67	5.58	5.16	4.80	4.78	4.71	5.00	5.63	6.07	5.94	5.80	5.22	4.67	4.09	3.81		
		-27.19	-33.59	-27.26	-30.33	-32.09	-27.76	-49.63	-72.01	-90.92	-93.41	-45.61	-50.27	-47.67	-46.58	-36.72	-41.85	-49.78	-58.90	-56.09	-39.43	-42.50	-29.71	-18.34	-22.42		
ADK HUDSON___FALLS 24011		94.54	94.01	87.41	88.17	91.72	94.58	126.68	138.60	121.92	97.26	76.17	70.38	68.79	66.50	67.53	77.65	94.44	120.29	111.65	98.04	93.30	86.64	68.93	74.66		
		3.87	3.36	3.40	3.24	3.42	4.29	4.95	4.88	5.29	4.47	4.34	4.04	3.66	3.68	3.67	4.12	4.50	4.87	4.86	4.61	3.99	3.47	3.07	2.86		
		-34.58	-42.72	-34.67	-38.57	-40.81	-35.30	-62.85	-76.31	-55.82	-38.27	-15.51	-13.16	-15.63	-13.02	-14.31	-21.41	-33.66	-58.16	-50.22	-37.16	-38.11	-36.98	-23.22	-28.54		
ADK RESOURCE___RCVRY 23798		94.84	94.28	87.68	88.43	91.98	94.94	127.14	139.11	122.44	97.67	76.58	70.76	69.10	66.81	67.84	78.03	94.85	120.72	112.13	98.45	93.68	86.94	69.19	74.87		
		4.15	3.60	3.65	3.48	3.66	4.62	5.36	5.34	5.78	4.85	4.73	4.41	3.96	3.99	3.97	4.48	4.89	5.26	5.32	5.01	4.35	3.74	3.33	3.07		
		-34.60	-42.74	-34.69	-38.60	-40.84	-35.32	-62.89	-76.35	-55.85	-38.30	-15.52	-13.17	-15.64	-13.03	-14.31	-21.43	-33.68	-58.19	-50.25	-37.19	-38.13	-37.00	-23.22	-28.53		
ADK S GLENS___FALLS 24028		94.54	94.01	87.41	88.17	91.72	94.58	133.94	149.41	146.10	119.93	79.15	73.34	68.79	66.50	67.53	77.65	100.18	131.88	121.19	100.07	93.87	86.64	68.93	74.66		
		3.87	3.36	3.40	3.24	3.42	4.29	4.95	4.88	5.29	4.47	4.34	4.04	3.66	3.68	3.67	4.12	4.50	4.87	4.86	4.61	3.99	3.47	3.07	2.86		
		-34.58	-42.72	-34.67	-38.57	-40.81	-35.30	-70.10	-87.11	-80.00	-60.94	-18.48	-16.12	-15.63	-13.02	-14.31	-21.41	-39.41	-69.75	-59.77	-39.19	-38.67	-36.98	-23.22	-28.54		
ADK_NYS___DAM 23527		92.89	92.17	85.82	86.39	89.85	92.59	123.07	134.53	118.73	95.20	74.99	69.42	67.83	65.62	66.71	76.33	92.61	117.35	108.87	95.92	91.39	84.92	67.90	73.65		
		3.37	2.92	2.96	2.73	2.90	3.47	3.41	3.33	3.95	3.65	3.66	3.51	3.22	3.23	3.32	3.49	3.77	3.84	3.73	3.71	3.33	2.96	2.81	2.81		
		-33.44	-41.30	-33.52	-37.30	-39.46	-34.13	-60.77	-73.78	-53.97	-37.02	-15.00	-12.73	-15.12	-12.59	-13.84	-20.71	-32.56	-56.26	-48.58	-35.95	-36.86	-35.75	-22.44	-27.58		
AIR_PRODUCTS___DRP 24190		91.87	91.28	85.07	85.70	89.01	91.53	122.31	133.36	117.12	93.65	73.62	68.07	66.63	64.41	65.41	74.71	90.66	115.26	106.84	93.87	89.69	83.63	66.61	72.58		
		2.24	1.92	2.12	1.95	1.95	2.31	2.47	1.95	2.19	2.02	2.25	2.13	1.98	1.99	1.98	1.82	1.74	1.60	1.58	1.58	1.54	1.57	1.45	1.64		
		-33.53	-41.42	-33.61	-37.40	-39.58	-34.23	-60.94	-73.99	-54.13	-37.11	-15.04	-12.76	-15.15	-12.62	-13.87	-20.76	-32.64	-56.39	-48.70	-36.04	-36.95	-35.85	-22.52	-27.67		
AKWESSNE_115KV_BK 355683		55.25	47.22	48.65	45.66	46.77	53.62	57.12	55.81	59.05	52.99	55.15	52.23	48.71	49.05	48.76	51.29	55.20	55.66	55.03	54.97	50.18	45.23	41.92	42.58		
		-0.84	-0.72	-0.69	-0.70	-0.71	-1.37	-1.77	-1.61	-1.76	-1.53	-1.18	-0.96	-0.79	-0.75	-0.79	-0.83	-1.07	-1.60	-1.53	-1.29	-1.02	-0.97	-0.72	-0.69		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
ALBANY_1_SOLAR 323833		91.71	90.90	84.81	85.34	88.66	91.41	121.76	132.72	116.91	93.52	73.77	68.19	66.68	64.51	65.53	74.88	90.81	115.06	106.79	94.06	89.68	83.44	66.68	72.47		
		2.75	2.35	2.51	2.32	2.37	2.86	3.12	2.76	3.04	2.62	2.70	2.50	2.33	2.34	2.38	2.40	2.53	2.52	2.49	2.47	2.25	2.08	1.96	2.08		
		-32.88	-40.61	-32.96	-36.67	-38.80	-33.56	-59.75	-72.55	-53.07	-36.38	-14.74	-12.51	-14.86	-12.38	-13.60	-20.35	-32.00	-55.28	-47.74	-35.33	-36.22	-35.15	-22.07	-27.12		
ALBANY_2_SOLAR 323834		91.72	90.91	84.76	85.35	88.67	91.42	121.77	132.73	116.92	93.52	73.78	68.19	66.68	64.51	65.53	74.88	90.81	115.07	106.79	94.01	89.63	83.44	66.68	72.47		
		2.75	2.35	2.47	2.32	2.37	2.86	3.12	2.76	3.04	2.62	2.70	2.50	2.33	2.34	2.38	2.40	2.53	2.52	2.49	2.42	2.20	2.08	1.96	2.08		
		-32.88	-40.61	-32.96	-36.68	-38.81	-33.57	-59.76	-72.55	-53.07	-36.39	-14.74	-12.51	-14.86	-12.38	-13.60	-20.36	-32.00	-55.29	-47.75	-35.33	-36.23	-35.16	-22.08	-27.13		
ALBANY___1 23571		91.87	91.28	85.07	85.70	89.01	91.53	122.31	133.36	117.12	93.65	73.62	68.07	66.63	64.41	65.41	74.71	90.66	115.26	106.84	93.87	89.69	83.63	66.61	72.58		
		2.24	1.92	2.12	1.95	1.95	2.31	2.47	1.95	2.19	2.02	2.25	2.13	1.98	1.99	1.98	1.82	1.74	1.60	1.58	1.58	1.54	1.57	1.45	1.64		
		-33.53	-41.42	-33.61	-37.40	-39.58	-34.23	-60.94	-73.99	-54.13	-37.11	-15.04	-12.76	-15.15	-12.62	-13.87	-20.76	-32.64	-56.39	-48.70	-36.04	-36.95	-35.85	-22.52	-27.67		

ALBANY___2 23572	91.87 2.24 -33.53	91.28 1.92 -41.42	85.07 2.12 -33.61	85.70 1.95 -37.40	89.01 1.95 -39.58	91.53 2.31 -34.23	122.31 2.47 -60.94	133.36 1.95 -73.99	117.12 2.19 -54.13	93.65 2.02 -37.11	73.62 2.25 -15.04	68.07 2.13 -12.76	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.71 1.82 -20.76	90.66 1.74 -32.64	115.26 1.60 -56.39	106.84 1.58 -48.70	93.87 1.58 -36.04	89.69 1.54 -36.95	83.63 1.57 -35.85	66.61 1.45 -22.52	72.58 1.64 -27.67
ALBANY___3 23573	91.87 2.24 -33.53	91.28 1.92 -41.42	85.07 2.12 -33.61	85.70 1.95 -37.40	89.01 1.95 -39.58	91.53 2.31 -34.23	122.31 2.47 -60.94	133.36 1.95 -73.99	117.12 2.19 -54.13	93.65 2.02 -37.11	73.62 2.25 -15.04	68.07 2.13 -12.76	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.71 1.82 -20.76	90.66 1.74 -32.64	115.26 1.60 -56.39	106.84 1.58 -48.70	93.87 1.58 -36.04	89.69 1.54 -36.95	83.63 1.57 -35.85	66.61 1.45 -22.52	72.58 1.64 -27.67
ALBANY___4 23574	91.87 2.24 -33.53	91.28 1.92 -41.42	85.07 2.12 -33.61	85.70 1.95 -37.40	89.01 1.95 -39.58	91.53 2.31 -34.23	122.31 2.47 -60.94	133.36 1.95 -73.99	117.12 2.19 -54.13	93.65 2.02 -37.11	73.62 2.25 -15.04	68.07 2.13 -12.76	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.71 1.82 -20.76	90.66 1.74 -32.64	115.26 1.60 -56.39	106.84 1.58 -48.70	93.87 1.58 -36.04	89.69 1.54 -36.95	83.63 1.57 -35.85	66.61 1.45 -22.52	72.58 1.64 -27.67
ALBANY___LFGE 323615	92.55 2.64 -33.82	91.98 2.25 -41.78	85.66 2.42 -33.91	86.35 2.27 -37.73	89.69 2.28 -39.92	92.27 2.75 -34.53	123.31 2.94 -61.47	134.58 2.52 -74.64	118.21 2.80 -54.60	94.52 2.56 -37.44	74.26 2.76 -15.17	68.61 2.55 -12.87	67.16 2.38 -15.29	64.92 2.39 -12.73	65.98 2.43 -13.99	75.41 2.35 -20.94	91.51 2.31 -32.93	116.38 2.23 -56.89	107.89 2.20 -49.12	94.81 2.19 -36.35	90.52 2.05 -37.27	84.36 1.99 -36.17	67.17 1.83 -22.70	73.11 1.95 -27.89
ALCOA_PA_115KV_PL-6C 55860	55.47 -0.62 0.00	47.37 -0.58 0.00	48.79 -0.54 0.00	45.84 -0.51 0.00	46.92 -0.57 0.00	53.73 -1.26 0.00	57.30 -1.59 0.00	55.98 -1.44 0.00	59.23 -1.58 0.00	53.16 -1.36 0.00	55.26 -1.07 0.00	52.28 -0.90 0.00	48.76 -0.74 0.00	49.15 -0.65 0.00	48.81 -0.74 0.00	51.45 -0.68 0.00	55.32 -0.96 0.00	55.83 -1.43 0.00	55.15 -1.41 0.00	55.08 -1.18 0.00	50.23 -0.97 0.00	46.44 -0.92 -1.16	43.07 -0.64 -1.07	42.70 -0.56 0.00
ALCOA_RYNLDS___DRP 24188	55.47 -0.62 0.00	47.37 -0.58 0.00	48.79 -0.54 0.00	45.84 -0.51 0.00	46.92 -0.57 0.00	53.73 -1.26 0.00	57.30 -1.59 0.00	55.98 -1.44 0.00	59.23 -1.58 0.00	53.16 -1.36 0.00	55.26 -1.07 0.00	52.28 -0.90 0.00	48.76 -0.74 0.00	49.15 -0.65 0.00	48.81 -0.74 0.00	51.45 -0.68 0.00	55.32 -0.96 0.00	55.83 -1.43 0.00	55.15 -1.41 0.00	55.08 -1.18 0.00	50.23 -0.97 0.00	46.44 -0.92 -1.16	43.07 -0.64 -1.07	42.70 -0.56 0.00
ALCOA___DSASP 323711	55.48 -0.62 0.00	47.37 -0.57 0.00	48.80 -0.54 0.00	45.84 -0.51 0.00	46.92 -0.57 0.00	53.73 -1.26 0.00	57.30 -1.59 0.00	55.99 -1.43 0.00	59.23 -1.58 0.00	53.16 -1.36 0.00	55.26 -1.07 0.00	52.28 -0.90 0.00	48.76 -0.74 0.00	49.10 -0.70 0.00	48.81 -0.74 0.00	51.44 -0.68 0.00	55.32 -0.96 0.00	55.83 -1.43 0.00	55.15 -1.41 0.00	55.14 -1.12 0.00	50.18 -1.02 0.00	46.44 -0.92 -1.16	42.90 -0.81 -1.07	42.70 -0.56 0.00
ALLEGHENY___COGEN 23514	60.44 -0.33 -4.68	53.48 -0.24 -5.78	53.68 -0.34 -4.69	51.34 -0.23 -5.22	52.77 -0.24 -5.52	60.76 0.99 -4.78	69.28 1.88 -8.50	75.90 1.44 -17.05	78.11 0.67 -16.63	59.57 0.05 -4.99	54.92 -1.29 0.12	56.73 -1.65 -5.19	47.57 -1.73 0.20	47.70 -1.94 0.16	47.84 -1.54 0.18	50.20 -1.56 0.36	56.13 -0.62 -0.48	58.85 0.69 -0.90	72.75 0.51 -15.69	62.83 -0.56 -7.13	51.13 -0.61 -0.54	45.98 -0.69 -0.47	42.46 -0.56 -0.38	43.29 -0.43 -0.46
ALTAMONT_115KV_TB 2 55880	91.80 2.19 -33.53	91.27 1.92 -41.41	84.92 1.97 -33.61	85.60 1.85 -37.40	88.95 1.90 -39.57	91.53 2.31 -34.22	122.35 2.53 -60.93	133.75 2.35 -73.98	117.48 2.55 -54.11	93.91 2.29 -37.10	73.67 2.31 -15.03	68.07 2.13 -12.75	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.96 2.08 -20.76	91.16 2.25 -32.63	115.93 2.29 -56.38	107.51 2.26 -48.68	94.48 2.19 -36.03	90.14 2.00 -36.94	83.90 1.85 -35.85	66.82 1.66 -22.51	72.62 1.69 -27.66
ALTONA_WT_PWR 323606	55.08 -1.01 0.00	47.03 -0.91 0.00	48.55 -0.79 0.00	45.43 -0.93 0.00	46.35 -1.14 0.00	52.96 -2.03 0.00	55.89 -3.00 0.00	54.72 -2.70 0.00	57.83 -2.98 0.00	51.90 -2.62 0.00	54.02 -2.31 0.00	51.22 -1.97 0.00	47.91 -1.59 0.00	48.40 -1.39 0.00	48.22 -1.34 0.00	50.72 -1.40 0.00	54.30 -1.97 0.00	54.57 -2.69 0.00	53.62 -2.94 0.00	53.28 -2.98 0.00	48.44 -2.77 0.00	0.38 -2.63 43.19	0.27 -2.43 39.95	41.49 -1.78 0.00
AMERICAN_REF_FUEL 24010	53.45 -6.73 -4.09	47.49 -5.51 -5.06	47.67 -5.77 -4.10	45.54 -5.38 -4.57	46.76 -5.56 -4.83	53.95 -5.23 -4.18	60.85 -5.48 -7.44	56.96 -6.26 -5.80	57.42 -6.93 -3.55	51.83 -6.22 -3.53	49.52 -7.38 -0.57	46.80 -7.02 -0.63	43.26 -6.78 -0.54	43.13 -7.12 -0.45	43.21 -6.84 -0.50	45.20 -7.61 -0.69	49.65 -8.10 -1.48	53.50 -6.36 -2.60	50.72 -6.50 -0.67	49.49 -7.71 -0.93	46.07 -6.81 -1.67	42.06 -5.78 -1.63	38.53 -5.16 -1.05	39.49 -5.06 -1.29
ARKWRIGHT___SUMMIT_WT_PWR 323751	55.69 -5.05 -4.64	49.36 -4.31 -5.74	49.45 -4.54 -4.65	47.41 -4.13 -5.18	48.60 -4.37 -5.48	55.83 -3.90 -4.74	63.73 -3.59 -8.44	60.36 -3.85 -6.79	60.50 -4.32 -4.00	54.75 -3.98 -4.21	51.67 -5.24 -0.58	48.71 -5.11 -0.63	45.19 -4.85 -0.54	45.27 -4.98 -0.46	45.10 -4.96 -0.50	47.70 -5.11 -0.68	52.01 -5.63 -1.37	54.07 -5.61 -2.42	51.96 -5.54 -0.94	51.52 -5.74 -1.00	47.53 -5.22 -1.55	42.87 -4.85 -1.52	39.10 -4.52 -0.98	40.06 -4.41 -1.20
ARTHUR KILL_GT_1 23520	88.28 4.99 -27.20	85.80 4.27 -33.60	80.79 4.19 -27.27	80.68 3.99 -30.34	83.67 4.08 -32.10	87.60 4.84 -27.77	113.88 5.36 -49.63	134.89 5.46 -72.01	157.63 5.90 -90.92	153.11 5.18 -93.41	110.83 5.18 -49.32	95.34 4.79 -37.37	95.24 4.40 -41.34	100.75 4.38 -46.58	90.58 4.31 -36.72	98.66 4.69 -41.85	114.56 5.40 -52.89	127.57 5.95 -64.35	230.11 5.94 -167.61	121.35 5.80 -59.29	115.37 5.17 -58.99	80.45 4.53 -29.71	65.13 3.97 -18.52	69.64 3.72 -22.66
ARTHUR_KILL_2 23512	88.12 4.82 -27.20	85.61 4.07 -33.60	80.65 4.05 -27.27	80.54 3.85 -30.34	83.53 3.94 -32.10	87.43 4.67 -27.77	113.64 5.12 -49.63	134.71 5.28 -72.01	157.44 5.71 -90.92	152.94 5.01 -93.41	110.66 5.01 -49.32	95.18 4.62 -37.37	95.09 4.26 -41.34	100.60 4.23 -46.58	90.43 4.16 -36.72	98.50 4.53 -41.85	114.39 5.23 -52.89	127.34 5.73 -64.35	229.88 5.71 -167.61	121.12 5.57 -59.29	115.22 5.02 -58.99	80.26 4.34 -29.71	65.00 3.84 -18.52	69.51 3.59 -22.66
ARTHUR_KILL_3 23513	87.71 4.43 -27.19	85.32 3.79 -33.59	80.34 3.75 -27.26	80.25 3.57 -30.33	83.23 3.66 -32.09	87.15 4.40 -27.76	99.62 5.24 -35.50	111.61 5.28 -48.92	102.14 5.66 -35.68	97.79 5.01 -38.26	95.03 4.84 -33.86	95.08 4.52 -37.38	95.05 4.21 -41.34	94.05 4.18 -40.07	85.82 4.11 -32.16	93.92 4.43 -37.37	95.68 4.95 -34.45	100.70 5.33 -38.11	98.70 5.26 -36.88	97.79 5.12 -36.41	97.79 4.61 -41.98	79.96 4.16 -29.60	64.81 3.67 -18.50	69.20 3.29 -22.65

ARTHUR_KILL_COGEN 323718	88.28 4.99 -27.20	85.80 4.27 -33.60	80.79 4.19 -27.27	80.68 3.99 -30.34	83.67 4.08 -32.10	87.60 4.84 -27.77	113.88 5.36 -49.63	134.89 5.46 -72.01	157.63 5.90 -90.92	153.11 5.18 -93.41	110.83 5.18 -49.32	95.34 4.79 -37.37	95.24 4.40 -41.34	100.75 4.38 -46.58	90.58 4.31 -36.72	98.66 4.69 -41.85	114.56 5.40 -52.89	127.57 5.95 -64.35	230.11 5.94 -167.61	121.35 5.80 -59.29	115.37 5.17 -58.99	80.45 4.53 -29.71	65.13 3.97 -18.52	69.64 3.72 -22.66
ASHOKAN____ 23654	88.02 1.74 -30.19	86.57 1.34 -37.29	81.08 1.48 -30.26	81.42 1.39 -33.67	84.59 1.47 -35.63	87.73 1.92 -30.82	116.52 2.77 -54.86	126.33 2.30 -66.61	111.97 2.43 -48.73	89.34 1.42 -33.40	71.16 1.30 -13.54	65.73 1.06 -11.48	64.08 0.94 -13.64	62.05 0.90 -11.36	62.98 0.94 -12.49	71.96 1.15 -18.69	87.29 1.63 -29.38	109.97 1.95 -50.76	102.60 2.20 -43.83	90.61 1.91 -32.44	86.05 1.59 -33.26	79.82 1.34 -32.28	63.92 0.94 -20.34	69.12 0.86 -24.99
ASTORIA_EAST_ENERGY_CC1 323581	88.39 5.10 -27.20	85.86 4.32 -33.60	80.99 4.39 -27.27	80.87 4.17 -30.34	83.86 4.28 -32.10	87.93 5.17 -27.77	114.11 5.60 -49.62	135.05 5.63 -72.01	157.74 6.02 -90.91	153.32 5.40 -93.40	101.36 5.41 -39.62	101.36 5.06 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.77 4.51 -36.71	98.86 4.90 -41.84	107.34 5.46 -45.61	121.33 5.84 -58.23	118.42 5.77 -56.08	101.36 5.68 -39.42	98.86 5.17 -42.49	80.48 4.58 -29.70	65.25 4.09 -18.51	69.64 3.72 -22.66
ASTORIA_EAST_ENERGY_CC2 323582	88.39 5.10 -27.20	85.86 4.32 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.28 -32.10	87.99 5.23 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.36 5.41 -39.62	101.36 5.06 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.77 4.51 -36.71	98.86 4.90 -41.84	107.34 5.46 -45.61	121.33 5.84 -58.23	118.42 5.77 -56.08	101.36 5.68 -39.42	98.86 5.17 -42.49	80.48 4.58 -29.70	65.25 4.09 -18.51	69.64 3.72 -22.66
ASTORIA_GT2_1 24094	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT2_2 24095	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT2_3 24096	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT2_4 24097	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT3_1 24098	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT3_2 24099	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT3_3 24100	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT3_4 24101	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT4_1 24102	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT4_2 24103	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT4_3 24104	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43

ASTORIA_GT4_4 24105	88.39 5.10 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.27 -32.10	87.93 5.17 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.42 5.46 -39.62	101.36 5.05 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.51 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.57 -29.70	65.07 4.09 -18.33	69.42 3.72 -22.43
ASTORIA_GT_1 23523	88.51 5.22 -27.20	85.95 4.41 -33.60	81.09 4.49 -27.27	80.95 4.26 -30.34	83.95 4.37 -32.10	88.04 5.28 -27.77	114.29 5.77 -49.62	135.17 5.74 -72.01	157.93 6.21 -90.91	153.43 5.50 -93.40	101.53 5.58 -39.62	101.46 5.16 -43.12	98.96 4.75 -44.71	98.96 4.73 -44.43	90.92 4.66 -36.71	98.97 5.00 -41.84	107.51 5.63 -45.61	121.50 6.01 -58.23	118.58 5.94 -56.08	101.53 5.85 -39.42	98.97 5.28 -42.49	80.57 4.66 -29.70	65.33 4.18 -18.51	69.73 3.81 -22.66
ASTORIA_GT_10 24110	88.28 4.99 -27.20	85.81 4.27 -33.60	80.90 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	111.05 5.41 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.82 5.77 -67.50	116.97 5.63 -55.08	110.95 5.07 -54.68	80.44 4.53 -29.71	64.99 4.01 -18.34	69.46 3.76 -22.43
ASTORIA_GT_11 24225	88.28 4.99 -27.20	85.81 4.27 -33.60	80.90 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	111.05 5.41 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.82 5.77 -67.50	116.97 5.63 -55.08	110.95 5.07 -54.68	80.44 4.53 -29.71	64.99 4.01 -18.34	69.46 3.76 -22.43
ASTORIA_GT_12 24226	88.28 4.99 -27.20	85.81 4.27 -33.60	80.90 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	111.05 5.41 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.82 5.77 -67.50	116.97 5.63 -55.08	110.95 5.07 -54.68	80.44 4.53 -29.71	64.99 4.01 -18.34	69.46 3.76 -22.43
ASTORIA_GT_13 24227	88.28 4.99 -27.20	85.81 4.27 -33.60	80.90 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	111.05 5.41 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.82 5.77 -67.50	116.97 5.63 -55.08	110.95 5.07 -54.68	80.44 4.53 -29.71	64.99 4.01 -18.34	69.46 3.76 -22.43
ASTORIA_GT_5 24106	88.51 5.22 -27.20	85.95 4.41 -33.60	81.09 4.49 -27.27	80.96 4.26 -30.34	83.96 4.37 -32.10	88.04 5.28 -27.77	114.29 5.77 -49.62	135.17 5.74 -72.01	157.93 6.20 -90.91	153.43 5.51 -93.40	101.53 5.58 -39.62	101.46 5.16 -43.12	98.96 4.75 -44.71	98.96 4.73 -44.43	90.92 4.66 -36.71	98.97 5.00 -41.84	107.51 5.63 -45.61	121.50 6.01 -58.23	118.58 5.94 -56.08	101.53 5.85 -39.42	98.97 5.27 -42.49	80.57 4.67 -29.70	65.11 4.14 -18.33	69.51 3.81 -22.43
ASTORIA_GT_7 24107	88.51 5.22 -27.20	85.95 4.41 -33.60	81.09 4.49 -27.27	80.96 4.26 -30.34	83.96 4.37 -32.10	88.04 5.28 -27.77	114.29 5.77 -49.62	135.17 5.74 -72.01	157.93 6.20 -90.91	153.43 5.51 -93.40	101.53 5.58 -39.62	101.46 5.16 -43.12	98.96 4.75 -44.71	98.96 4.73 -44.43	90.92 4.66 -36.71	98.97 5.00 -41.84	107.51 5.63 -45.61	121.50 6.01 -58.23	118.58 5.94 -56.08	101.53 5.85 -39.42	98.97 5.27 -42.49	80.57 4.67 -29.70	65.11 4.14 -18.33	69.51 3.81 -22.43
ASTORIA_GT_8 24108	88.51 5.22 -27.20	85.95 4.41 -33.60	81.09 4.49 -27.27	80.96 4.26 -30.34	83.96 4.37 -32.10	88.04 5.28 -27.77	114.29 5.77 -49.62	135.17 5.74 -72.01	157.93 6.20 -90.91	153.43 5.51 -93.40	101.53 5.58 -39.62	101.46 5.16 -43.12	98.96 4.75 -44.71	98.96 4.73 -44.43	90.92 4.66 -36.71	98.97 5.00 -41.84	107.51 5.63 -45.61	121.50 6.01 -58.23	118.58 5.94 -56.08	101.53 5.85 -39.42	98.97 5.27 -42.49	80.57 4.67 -29.70	65.11 4.14 -18.33	69.51 3.81 -22.43
ASTORIA___2 24149	88.39 5.10 -27.20	85.86 4.32 -33.60	80.99 4.39 -27.27	80.91 4.22 -30.34	83.86 4.28 -32.10	87.99 5.23 -27.77	114.17 5.65 -49.62	135.05 5.63 -72.01	157.80 6.08 -90.91	153.32 5.40 -93.40	101.36 5.41 -39.62	101.36 5.06 -43.12	98.86 4.65 -44.71	98.86 4.63 -44.43	90.82 4.56 -36.71	98.86 4.90 -41.84	107.40 5.52 -45.61	121.39 5.90 -58.23	118.47 5.83 -56.08	101.42 5.74 -39.42	98.86 5.17 -42.49	80.48 4.58 -29.70	65.25 4.09 -18.51	69.64 3.72 -22.66
ASTORIA___3 23516	88.28 4.99 -27.20	85.80 4.27 -33.60	80.89 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.60 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.35 -93.41	111.00 5.35 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.83 5.77 -67.49	116.97 5.63 -55.08	111.00 5.12 -54.68	80.45 4.53 -29.71	65.21 4.05 -18.52	69.68 3.76 -22.66
ASTORIA___4 23517	88.28 4.99 -27.20	85.81 4.27 -33.60	80.90 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	111.05 5.41 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.82 5.77 -67.50	116.97 5.63 -55.08	110.95 5.07 -54.68	80.44 4.53 -29.71	64.99 4.01 -18.34	69.46 3.76 -22.43
ASTORIA___5 23518	88.28 4.99 -27.20	85.80 4.27 -33.60	80.89 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.60 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.35 -93.41	111.00 5.35 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.83 5.77 -67.49	116.97 5.63 -55.08	111.00 5.12 -54.68	80.45 4.53 -29.71	65.21 4.05 -18.52	69.68 3.76 -22.66
AST_ENERGY_2_CC3 323677	87.93 4.65 -27.19	85.51 3.98 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	114.01 5.53 -49.59	132.83 5.51 -69.90	149.41 5.96 -82.64	142.06 5.29 -82.26	101.01 5.07 -39.62	101.03 4.73 -43.11	95.18 4.36 -41.33	94.18 4.33 -40.06	85.97 4.26 -32.15	94.07 4.59 -37.36	106.99 5.12 -45.60	119.86 5.50 -57.10	115.86 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.29	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
AST_ENERGY_2_CC4 323678	87.93 4.65 -27.19	85.51 3.98 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	114.01 5.53 -49.59	132.83 5.51 -69.90	149.41 5.96 -82.64	142.06 5.29 -82.26	101.01 5.07 -39.62	101.03 4.73 -43.11	95.18 4.36 -41.33	94.18 4.33 -40.06	85.97 4.26 -32.15	94.07 4.59 -37.36	106.99 5.12 -45.60	119.86 5.50 -57.10	115.86 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.29	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65

ATHENS_STG_1 23668	88.93	87.48	81.92	82.20	85.34	88.52	116.79	126.98	112.81	90.87	72.77	67.36	65.59	63.63	64.50	73.39	88.53	111.03	103.38	91.63	87.12	80.84	65.07	70.18
	2.69	2.30	2.37	2.22	2.28	2.75	3.12	3.04	3.34	3.00	2.93	2.71	2.47	2.49	2.48	2.61	2.92	3.09	3.05	2.98	2.71	2.40	2.22	2.08
	-30.14	-37.24	-30.22	-33.63	-35.58	-30.77	-54.79	-66.52	-48.66	-33.35	-13.51	-11.47	-13.62	-11.34	-12.47	-18.66	-29.33	-50.68	-43.76	-32.38	-33.20	-32.23	-20.21	-24.84
ATHENS_STG_2 23670	88.93	87.48	81.92	82.20	85.34	88.52	116.79	126.98	112.81	90.87	72.77	67.36	65.59	63.63	64.50	73.39	88.53	111.03	103.38	91.63	87.12	80.84	65.07	70.18
	2.69	2.30	2.37	2.22	2.28	2.75	3.12	3.04	3.34	3.00	2.93	2.71	2.47	2.49	2.48	2.61	2.92	3.09	3.05	2.98	2.71	2.40	2.22	2.08
	-30.14	-37.24	-30.22	-33.63	-35.58	-30.77	-54.79	-66.52	-48.66	-33.35	-13.51	-11.47	-13.62	-11.34	-12.47	-18.66	-29.33	-50.68	-43.76	-32.38	-33.20	-32.23	-20.21	-24.84
ATHENS_STG_3 23677	88.93	87.48	81.92	82.20	85.34	88.52	116.79	126.98	112.81	90.87	72.77	67.36	65.59	63.63	64.50	73.39	88.53	111.03	103.38	91.63	87.12	80.84	65.07	70.18
	2.69	2.30	2.37	2.22	2.28	2.75	3.12	3.04	3.34	3.00	2.93	2.71	2.47	2.49	2.48	2.61	2.92	3.09	3.05	2.98	2.71	2.40	2.22	2.08
	-30.14	-37.24	-30.22	-33.63	-35.58	-30.77	-54.79	-66.52	-48.66	-33.35	-13.51	-11.47	-13.62	-11.34	-12.47	-18.66	-29.33	-50.68	-43.76	-32.38	-33.20	-32.23	-20.21	-24.84
AUBURN___LFGE 323710	59.23	51.95	52.52	50.00	51.35	58.87	66.03	66.28	67.63	58.96	58.41	54.53	51.25	51.11	51.14	54.62	60.43	64.99	63.31	61.04	55.85	50.67	45.12	46.56
	-0.34	-0.29	-0.30	-0.23	-0.24	0.33	0.82	0.92	0.85	0.60	0.11	-0.11	-0.25	-0.35	-0.25	-0.26	0.00	0.57	0.51	0.17	-0.05	-0.14	-0.38	-0.22
	-3.47	-4.29	-3.48	-3.87	-4.10	-3.55	-6.31	-7.94	-5.97	-3.84	-1.97	-1.45	-2.00	-1.66	-1.83	-2.75	-4.15	-7.16	-6.24	-4.61	-4.70	-4.60	-2.86	-3.51
BABYLON_RES_REC 323704	109.88	100.68	94.14	90.55	98.50	109.50	115.18	141.31	128.85	112.65	100.55	93.11	79.14	77.24	94.80	100.91	127.86	156.46	157.22	149.57	121.58	107.92	84.17	76.77
	5.89	5.03	5.08	4.78	4.94	5.94	6.89	6.89	7.35	6.48	6.42	5.96	5.54	5.53	5.45	5.89	6.52	7.04	6.90	6.75	6.09	5.45	4.90	4.58
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.63	-28.91
BABYLON__69_KV_BK2 356345	110.56	101.26	94.74	91.10	99.02	110.10	115.78	142.00	129.52	113.25	101.29	93.80	79.74	77.89	95.49	101.58	128.65	157.32	158.07	150.36	122.25	108.57	84.54	77.15
	6.56	5.61	5.67	5.33	5.46	6.54	7.48	7.58	8.03	7.09	7.15	6.65	6.14	6.17	6.14	6.57	7.32	7.90	7.75	7.54	6.76	6.10	5.46	5.19
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.44	-28.69
BALL_HILL_WT_PWR 323825	55.51	49.31	49.43	47.32	48.60	55.87	63.46	59.69	59.86	54.46	51.47	48.51	45.02	45.15	45.03	47.61	52.30	54.52	51.50	51.60	48.01	43.35	39.53	40.36
	-5.10	-4.22	-4.44	-4.08	-4.23	-3.74	-3.65	-4.08	-4.56	-4.15	-5.41	-5.21	-5.00	-5.08	-5.00	-5.16	-5.40	-5.27	-5.09	-5.29	-4.82	-4.44	-4.14	-4.15
	-4.53	-5.59	-4.54	-5.05	-5.34	-4.62	-8.22	-6.35	-3.61	-4.08	-0.55	-0.54	-0.52	-0.43	-0.47	-0.65	-1.43	-2.52	-0.03	-0.63	-1.62	-1.58	-1.02	-1.25
BARON_WINDS___WT_PWR 323822	59.50	53.30	53.17	51.01	52.48	59.56	68.63	58.17	54.69	59.00	53.36	47.58	46.43	46.76	46.51	48.90	54.20	55.90	37.22	46.41	49.39	44.38	40.72	41.44
	-2.64	-2.11	-2.22	-2.09	-2.14	-1.60	-1.24	-1.43	-1.82	-1.80	-2.81	-2.82	-2.82	-2.84	-2.82	-2.76	-2.59	-2.35	-2.37	-2.53	-2.41	-2.31	-2.35	-2.34
	-6.04	-7.46	-6.06	-6.74	-7.13	-6.17	-10.98	-2.19	4.30	-6.28	0.16	2.78	0.25	0.20	0.23	0.46	-0.52	-1.00	16.97	7.33	-0.59	-0.49	-0.42	-0.51
BARRETT_IC_1 23704	109.10	100.06	93.60	90.04	97.88	108.67	114.13	140.22	127.76	111.78	99.49	92.15	78.20	76.30	93.86	99.87	126.79	155.32	156.15	148.50	120.61	107.00	83.27	75.90
	5.10	4.41	4.54	4.26	4.32	5.12	5.83	5.80	6.26	5.62	5.35	5.00	4.60	4.58	4.51	4.85	5.46	5.90	5.83	5.68	5.12	4.53	4.01	3.72
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.62	-28.91
BARRETT_IC_10 23701	109.10	100.06	93.60	90.04	97.88	108.67	114.13	140.22	127.76	111.78	99.49	92.15	78.20	76.30	93.86	99.87	126.79	155.32	156.15	148.50	120.61	107.00	83.27	75.90
	5.10	4.41	4.54	4.26	4.32	5.12	5.83	5.80	6.26	5.62	5.35	5.00	4.60	4.58	4.51	4.85	5.46	5.90	5.83	5.68	5.12	4.53	4.01	3.72
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.62	-28.91
BARRETT_IC_11 23702	109.10	100.06	93.60	90.04	97.88	108.67	114.13	140.22	127.76	111.78	99.49	92.15	78.20	76.30	93.86	99.87	126.79	155.32	156.15	148.50	120.61	107.00	83.27	75.90
	5.10	4.41	4.54	4.26	4.32	5.12	5.83	5.80	6.26	5.62	5.35	5.00	4.60	4.58	4.51	4.85	5.46	5.90	5.83	5.68	5.12	4.53	4.01	3.72
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.62	-28.91
BARRETT_IC_12 23703	109.10	100.06	93.60	90.04	97.88	108.67	114.13	140.22	127.76	111.78	99.49	92.15	78.20	76.30	93.86	99.87	126.79	155.32	156.15	148.50	120.61	107.00	83.27	75.90
	5.10	4.41	4.54	4.26	4.32	5.12	5.83	5.80	6.26	5.62	5.35	5.00	4.60	4.58	4.51	4.85	5.46	5.90	5.83	5.68	5.12	4.53	4.01	3.72
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.62	-28.91
BARRETT_IC_2 23705	109.10	100.06	93.60	90.04	97.88	108.67	114.13	140.22	127.76	111.78	99.49	92.15	78.20	76.30	93.86	99.87	126.79	155.32	156.15	148.50	120.61	107.00	83.27	75.90
	5.10	4.41	4.54	4.26	4.32	5.12	5.83	5.80	6.26	5.62	5.35	5.00	4.60	4.58	4.51	4.85	5.46	5.90	5.83	5.68	5.12	4.53	4.01	3.72
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.62	-28.91
BARRETT_IC_3 23706	109.10	100.06	93.60	90.04	97.88	108.67	114.13	140.22	127.76	111.78	99.49	92.15	78.20	76.30	93.86	99.87	126.79	155.32	156.15	148.50	120.61	107.00	83.27	75.90
	5.10	4.41	4.54	4.26	4.32	5.12	5.83	5.80	6.26	5.62	5.35	5.00	4.60	4.58	4.51	4.85	5.46	5.90	5.83	5.68	5.12	4.53	4.01	3.72
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.62	-28.91
BARRETT_IC_4 23707	109.10	100.06	93.60	90.04	97.88	108.67	114.13	140.22	127.76	111.78	99.49	92.15	78.20	76.30	93.86	99.87	126.79	155.32	156.15	148.50	120.61	107.00	83.27	75.90
	5.10	4.41	4.54	4.26	4.32	5.12	5.83	5.80	6.26	5.62	5.35	5.00	4.60	4.58	4.51	4.85	5.46	5.90	5.83	5.68	5.12	4.53	4.01	3.72
	-47.90	-47.71	-39.72	-39.42	-46.07	-48.56	-49.41	-77.00	-60.68	-51.64	-37.80	-33.97	-24.10	-21.92	-39.79	-42.89	-65.06	-92.16	-93.76	-86.56	-64.29	-56.26	-36.62	-28.91

BARRETT_IC_5 23708	109.10 5.10 -47.90	100.06 4.41 -47.71	93.60 4.54 -39.72	90.04 4.26 -39.42	97.88 4.32 -46.07	108.67 5.12 -48.56	114.13 5.83 -49.41	140.22 5.80 -77.00	127.76 6.26 -60.68	111.78 5.62 -51.64	99.49 5.35 -37.80	92.15 5.00 -33.97	78.20 4.60 -24.10	76.30 4.58 -21.92	93.86 4.51 -39.79	99.87 4.85 -42.89	126.79 5.46 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.50 5.68 -86.56	120.61 5.12 -64.29	107.00 4.53 -56.26	83.27 4.01 -36.62	75.90 3.72 -28.91
BARRETT_IC_6 23709	109.10 5.10 -47.90	100.06 4.41 -47.71	93.60 4.54 -39.72	90.04 4.26 -39.42	97.88 4.32 -46.07	108.67 5.12 -48.56	114.13 5.83 -49.41	140.22 5.80 -77.00	127.76 6.26 -60.68	111.78 5.62 -51.64	99.49 5.35 -37.80	92.15 5.00 -33.97	78.20 4.60 -24.10	76.30 4.58 -21.92	93.86 4.51 -39.79	99.87 4.85 -42.89	126.79 5.46 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.50 5.68 -86.56	120.61 5.12 -64.29	107.00 4.53 -56.26	83.27 4.01 -36.62	75.90 3.72 -28.91
BARRETT_IC_7 23710	109.10 5.10 -47.90	100.06 4.41 -47.71	93.60 4.54 -39.72	90.04 4.26 -39.42	97.93 4.37 -46.07	108.62 5.06 -48.56	114.13 5.83 -49.41	140.22 5.80 -77.00	127.76 6.26 -60.68	111.78 5.62 -51.64	99.54 5.41 -37.80	92.15 5.00 -33.97	78.20 4.60 -24.10	76.30 4.58 -21.92	93.86 4.51 -39.79	99.86 4.85 -42.89	126.79 5.46 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.51 5.68 -86.56	120.61 5.12 -64.29	107.04 4.57 -56.26	83.09 4.01 -36.44	75.67 3.72 -28.68
BARRETT_IC_8 23711	109.10 5.10 -47.90	100.06 4.41 -47.71	93.60 4.54 -39.72	90.04 4.26 -39.42	97.88 4.32 -46.07	108.67 5.12 -48.56	114.13 5.83 -49.41	140.22 5.80 -77.00	127.76 6.26 -60.68	111.78 5.62 -51.64	99.49 5.35 -37.80	92.15 5.00 -33.97	78.20 4.60 -24.10	76.30 4.58 -21.92	93.86 4.51 -39.79	99.87 4.85 -42.89	126.79 5.46 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.50 5.68 -86.56	120.61 5.12 -64.29	107.00 4.53 -56.26	83.27 4.01 -36.62	75.90 3.72 -28.91
BARRETT_IC_9 23700	109.10 5.10 -47.90	100.06 4.41 -47.71	93.60 4.54 -39.72	90.04 4.26 -39.42	97.88 4.32 -46.07	108.67 5.12 -48.56	114.13 5.83 -49.41	140.22 5.80 -77.00	127.76 6.26 -60.68	111.78 5.62 -51.64	99.49 5.35 -37.80	92.15 5.00 -33.97	78.20 4.60 -24.10	76.30 4.58 -21.92	93.86 4.51 -39.79	99.87 4.85 -42.89	126.79 5.46 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.50 5.68 -86.56	120.61 5.12 -64.29	107.00 4.53 -56.26	83.27 4.01 -36.62	75.90 3.72 -28.91
BARRETT___1 23545	109.10 5.10 -47.90	100.06 4.41 -47.71	93.60 4.54 -39.72	90.04 4.26 -39.42	97.88 4.32 -46.07	108.67 5.12 -48.56	114.13 5.83 -49.41	140.22 5.80 -77.00	127.76 6.26 -60.68	111.78 5.62 -51.64	99.49 5.35 -37.80	92.15 5.00 -33.97	78.20 4.60 -24.10	76.30 4.58 -21.92	93.86 4.51 -39.79	99.87 4.85 -42.89	126.79 5.46 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.50 5.68 -86.56	120.61 5.12 -64.29	107.00 4.53 -56.26	83.27 4.01 -36.62	75.90 3.72 -28.91
BARRETT___2 23546	109.10 5.10 -47.90	100.06 4.41 -47.71	93.60 4.54 -39.72	90.04 4.26 -39.42	97.88 4.32 -46.07	108.67 5.12 -48.56	114.13 5.83 -49.41	140.22 5.80 -77.00	127.76 6.26 -60.68	111.78 5.62 -51.64	99.49 5.35 -37.80	92.15 5.00 -33.97	78.20 4.60 -24.10	76.30 4.58 -21.92	93.86 4.51 -39.79	99.87 4.85 -42.89	126.79 5.46 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.50 5.68 -86.56	120.61 5.12 -64.29	107.00 4.53 -56.26	83.27 4.01 -36.62	75.90 3.72 -28.91
BATAVIA__115KV_TB1 55881	55.68 -4.21 -3.80	49.13 -3.50 -4.69	49.49 -3.65 -3.81	47.25 -3.34 -4.24	48.55 -3.42 -4.48	56.18 -2.69 -3.88	63.37 -2.41 -6.90	60.53 -3.10 -6.21	61.11 -3.71 -4.01	54.62 -3.49 -3.59	52.30 -4.62 -0.59	49.24 -4.73 -0.79	45.51 -4.55 -0.56	45.34 -4.93 -0.47	45.51 -4.56 -0.52	47.79 -5.06 -0.73	52.67 -5.12 -1.52	56.43 -3.49 -2.66	54.10 -3.68 -1.22	52.45 -5.01 -1.19	48.26 -4.66 -1.72	44.01 -3.88 -1.68	39.75 -3.97 -1.08	41.34 -3.25 -1.32
BAYONEEC___CTG1 323682	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG10 323750	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG2 323683	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG3 323684	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG4 323685	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG5 323686	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG6 323687	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65

BAYONEEC___CTG7 323688	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG8 323689	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BAYONEEC___CTG9 323749	87.93 4.65 -27.19	85.46 3.93 -33.59	80.54 3.95 -27.26	80.44 3.75 -30.33	83.42 3.84 -32.09	87.37 4.62 -27.76	113.96 5.48 -49.59	132.78 5.46 -69.91	149.37 5.90 -82.66	142.04 5.23 -82.29	101.03 5.07 -39.63	101.04 4.73 -43.13	95.20 4.36 -41.34	94.20 4.33 -40.07	85.98 4.26 -32.16	94.08 4.59 -37.37	107.00 5.12 -45.61	119.92 5.55 -57.11	115.87 5.43 -53.87	99.24 5.35 -37.63	96.31 4.81 -40.30	80.10 4.30 -29.60	64.94 3.79 -18.50	69.38 3.46 -22.65
BEACON___LESR 323632	92.67 3.08 -33.50	92.01 2.68 -41.38	85.78 2.86 -33.58	86.36 2.64 -37.37	89.73 2.71 -39.54	92.55 3.36 -34.20	123.37 3.59 -60.88	134.55 3.21 -73.92	118.41 3.53 -54.07	94.70 3.11 -37.08	74.62 3.27 -15.02	68.96 3.03 -12.75	67.46 2.82 -15.14	65.24 2.84 -12.61	66.29 2.87 -13.86	75.73 2.86 -20.74	91.81 2.92 -32.61	116.46 2.86 -56.34	108.10 2.88 -48.65	95.08 2.81 -36.00	90.73 2.61 -36.91	84.47 2.45 -35.82	67.38 2.26 -22.48	73.27 2.38 -27.62
BEAVER RIVER___HYD 24048	57.21 0.06 -1.07	49.21 -0.05 -1.32	50.31 -0.10 -1.07	47.45 -0.09 -1.19	48.75 0.00 -1.26	56.19 0.11 -1.09	61.13 0.30 -1.94	60.29 0.52 -2.36	62.84 0.31 -1.72	55.81 0.11 -1.18	56.58 -0.22 -0.48	53.11 -0.48 -0.41	49.34 -0.64 -0.48	49.60 -0.60 -0.40	49.40 -0.59 -0.44	52.47 -0.31 -0.66	57.31 0.00 -1.04	59.17 0.11 -1.79	57.99 -0.11 -1.55	57.18 -0.22 -1.14	51.91 -0.46 -1.17	49.32 -0.60 -3.72	45.10 -0.64 -3.09	43.85 -0.30 -0.88
BEEBEE_GT_13 23619	56.67 -2.69 -3.27	49.73 -2.25 -4.04	50.25 -2.37 -3.28	47.87 -2.13 -3.65	49.17 -2.18 -3.86	56.74 -1.59 -3.34	63.49 -1.35 -5.95	62.54 -1.89 -7.02	63.44 -2.31 -4.95	56.07 -2.13 -3.68	53.98 -2.99 -0.64	51.04 -3.24 -1.10	47.04 -3.07 -0.61	46.82 -3.12 -0.51	47.00 -3.12 -0.56	49.23 -3.70 -0.81	54.17 -2.40 -1.56	57.57 -2.55 -2.72	56.76 -3.77 -2.74	54.38 -3.77 -1.89	49.33 -3.64 -1.76	44.95 -2.96 -1.71	40.96 -2.77 -1.09	42.48 -2.12 -1.34
BENSHRST_27_KV_BENSHRST_1 355998	88.79 5.50 -27.20	86.19 4.65 -33.60	81.24 4.64 -27.27	81.05 4.36 -30.34	84.10 4.51 -32.10	88.09 5.33 -27.77	114.53 6.01 -49.63	135.52 6.09 -72.01	158.36 6.63 -90.92	153.82 5.89 -93.41	111.56 5.91 -49.32	111.48 5.48 -52.82	102.22 5.05 -47.67	101.40 5.03 -46.58	91.23 4.96 -36.72	99.29 5.32 -41.85	115.18 6.02 -52.89	128.14 6.53 -64.35	230.67 6.50 -167.61	121.91 6.36 -59.29	115.88 5.68 -58.99	80.91 4.99 -29.71	65.37 4.39 -18.34	69.81 4.11 -22.43
BETHLEHEM___GRP 23843	91.87 2.24 -33.53	91.28 1.92 -41.42	85.07 2.12 -33.61	85.70 1.95 -37.40	89.01 1.95 -39.58	91.53 2.31 -34.23	122.31 2.47 -60.94	133.36 1.95 -73.99	117.12 2.19 -54.13	93.65 2.02 -37.11	73.62 2.25 -15.04	68.07 2.13 -12.76	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.71 1.82 -20.76	90.66 1.74 -32.64	115.26 1.60 -56.39	106.84 1.58 -48.70	93.87 1.58 -36.04	89.69 1.54 -36.95	83.63 1.57 -35.85	66.61 1.45 -22.52	72.58 1.64 -27.67
BETHLEHEM___GS1 323560	91.87 2.25 -33.53	91.28 1.92 -41.42	85.07 2.12 -33.61	85.70 1.95 -37.40	89.01 1.95 -39.58	91.53 2.31 -34.23	122.31 2.47 -60.94	133.36 1.95 -73.99	117.12 2.19 -54.13	93.65 2.02 -37.11	73.62 2.26 -15.04	68.07 2.13 -12.76	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.71 1.82 -20.76	90.66 1.75 -32.64	115.25 1.60 -56.39	106.84 1.58 -48.70	93.87 1.57 -36.04	89.69 1.53 -36.95	83.63 1.57 -35.85	66.59 1.45 -22.50	72.56 1.64 -27.65
BETHLEHEM___GS2 323561	91.87 2.25 -33.53	91.28 1.92 -41.42	85.07 2.12 -33.61	85.70 1.95 -37.40	89.01 1.95 -39.58	91.53 2.31 -34.23	122.31 2.47 -60.94	133.36 1.95 -73.99	117.12 2.19 -54.13	93.65 2.02 -37.11	73.62 2.26 -15.04	68.07 2.13 -12.76	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.71 1.82 -20.76	90.66 1.75 -32.64	115.25 1.60 -56.39	106.84 1.58 -48.70	93.87 1.57 -36.04	89.69 1.53 -36.95	83.63 1.57 -35.85	66.59 1.45 -22.50	72.56 1.64 -27.65
BETHLEHEM___GS3 323562	91.87 2.25 -33.53	91.28 1.92 -41.42	85.07 2.12 -33.61	85.70 1.95 -37.40	89.01 1.95 -39.58	91.53 2.31 -34.23	122.31 2.47 -60.94	133.36 1.95 -73.99	117.12 2.19 -54.13	93.65 2.02 -37.11	73.62 2.26 -15.04	68.07 2.13 -12.76	66.63 1.98 -15.15	64.41 1.99 -12.62	65.41 1.98 -13.87	74.71 1.82 -20.76	90.66 1.75 -32.64	115.25 1.60 -56.39	106.84 1.58 -48.70	93.87 1.57 -36.04	89.69 1.53 -36.95	83.63 1.57 -35.85	66.59 1.45 -22.50	72.56 1.64 -27.65
BETHLEHEM___STEEL 23779	55.15 -5.33 -4.39	48.95 -4.41 -5.42	49.10 -4.64 -4.40	46.99 -4.26 -4.90	48.25 -4.42 -5.18	55.57 -3.90 -4.48	63.03 -3.83 -7.97	59.06 -4.36 -6.00	59.32 -4.86 -3.38	53.95 -4.47 -3.90	51.35 -5.52 -0.54	48.20 -5.48 -0.49	44.91 -5.10 -0.51	45.00 -5.23 -0.43	44.97 -5.05 -0.47	47.45 -5.32 -0.64	52.13 -5.63 -1.49	54.50 -5.38 -2.62	50.62 -5.32 0.63	51.17 -5.46 -0.36	47.77 -5.12 -1.69	43.31 -4.57 -1.68	39.33 -4.39 -1.08	40.30 -4.28 -1.32
BETHLHEM_115KV_TB1 79974	91.85 2.24 -33.51	91.26 1.92 -41.39	85.00 2.07 -33.59	85.68 1.95 -37.38	88.98 1.95 -39.55	91.51 2.31 -34.21	122.27 2.47 -60.90	133.43 2.07 -73.95	117.15 2.25 -54.09	93.68 2.07 -37.09	73.61 2.25 -15.03	68.06 2.13 -12.75	66.62 1.98 -15.14	64.40 1.99 -12.62	65.45 2.03 -13.86	74.75 1.88 -20.75	90.75 1.86 -32.62	115.39 1.78 -56.36	106.93 1.70 -48.67	94.02 1.74 -36.01	89.77 1.64 -36.93	83.65 1.62 -35.83	66.64 1.49 -22.50	72.56 1.64 -27.65
BETHPAGE_CC_5 323564	109.72 5.72 -47.90	100.49 4.84 -47.71	93.95 4.89 -39.72	90.41 4.63 -39.42	98.31 4.75 -46.07	109.28 5.72 -48.56	114.89 6.59 -49.41	141.02 6.60 -77.00	128.54 7.05 -60.68	112.43 6.27 -51.64	100.27 6.14 -37.80	92.90 5.75 -33.97	78.90 5.30 -24.10	76.99 5.28 -21.92	94.50 5.15 -39.79	100.49 5.47 -42.89	127.47 6.13 -65.06	156.00 6.58 -92.16	156.82 6.50 -93.76	149.18 6.36 -86.56	121.23 5.73 -64.29	107.60 5.13 -56.26	83.92 4.65 -36.63	76.51 4.33 -28.91
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	55.15 -5.38 -4.44	48.97 -4.46 -5.49	49.10 -4.69 -4.45	46.95 -4.36 -4.95	48.26 -4.46 -5.24	55.51 -4.01 -4.53	63.07 -3.89 -8.07	59.25 -4.36 -6.19	59.55 -4.80 -3.54	54.07 -4.42 -3.97	51.42 -5.46 -0.56	48.35 -5.37 -0.53	45.02 -5.00 -0.52	45.20 -5.03 -0.44	45.13 -4.91 -0.48	47.73 -5.06 -0.66	52.49 -5.29 -1.51	54.54 -5.38 -2.66	50.82 -5.26 0.48	51.58 -5.12 -0.44	48.10 -4.81 -1.71	43.48 -4.44 -1.71	39.47 -4.26 -1.10	40.28 -4.33 -1.34

BINGHAMTON___COGEN 23790	64.74 -0.22 -8.87	58.76 -0.14 -10.96	58.08 -0.15 -8.89	56.16 -0.09 -9.90	57.86 -0.09 -10.47	64.38 0.33 -9.06	75.78 0.77 -16.13	77.48 0.69 -19.38	75.64 0.61 -14.22	64.64 0.44 -9.68	60.64 0.34 -3.98	56.84 0.16 -3.50	53.56 0.05 -4.01	53.19 0.05 -3.34	53.33 0.10 -3.67	57.83 0.21 -5.49	65.51 0.51 -8.73	73.20 0.86 -15.08	70.87 0.79 -13.51	66.79 0.68 -9.85	61.60 0.51 -9.88	56.06 0.37 -9.49	48.79 0.13 -6.02	50.75 0.09 -7.39
BIXINCNT_115KV_LOAD 355685	55.11 -5.67 -4.68	48.89 -4.84 -5.78	48.90 -5.13 -4.69	46.71 -4.87 -5.22	48.17 -4.84 -5.53	55.26 -4.51 -4.78	63.10 -4.30 -8.51	60.11 -4.36 -7.05	60.21 -4.86 -4.27	54.21 -4.58 -4.27	51.24 -5.69 -0.60	48.58 -5.32 -0.72	45.17 -4.90 -0.57	45.59 -4.68 -0.48	45.27 -4.81 -0.52	47.99 -4.85 -0.72	52.82 -5.06 -1.61	54.14 -5.96 -2.84	50.92 -5.77 -0.13	51.73 -5.29 -0.75	47.96 -5.07 -1.82	43.27 -4.81 -1.87	39.14 -4.69 -1.19	39.54 -5.19 -1.46
BLACK RIVER___HYD 24047	58.32 0.78 -1.44	50.25 0.53 -1.78	51.33 0.54 -1.45	48.43 0.46 -1.61	49.81 0.62 -1.70	57.51 1.04 -1.47	62.92 1.41 -2.62	62.21 1.61 -3.18	64.47 1.34 -2.33	57.04 0.93 -1.60	57.37 0.40 -0.65	53.79 0.05 -0.55	49.95 -0.20 -0.65	50.19 -0.15 -0.54	50.05 -0.10 -0.60	53.33 0.31 -0.89	58.52 0.85 -1.40	61.00 1.32 -2.42	59.72 1.07 -2.09	58.60 0.79 -1.55	53.20 0.41 -1.59	49.73 0.19 -3.34	45.27 0.00 -2.63	44.63 0.17 -1.19
BLACKRVR_115KV_TB2 79977	58.32 0.79 -1.44	50.25 0.53 -1.78	51.33 0.54 -1.45	48.43 0.46 -1.61	49.81 0.62 -1.70	57.46 0.99 -1.47	62.93 1.41 -2.62	62.21 1.61 -3.18	64.48 1.34 -2.33	57.04 0.93 -1.60	57.37 0.39 -0.65	53.79 0.05 -0.55	49.95 -0.20 -0.65	50.19 -0.15 -0.54	50.05 -0.10 -0.60	53.33 0.31 -0.89	58.51 0.84 -1.40	60.99 1.32 -2.41	59.72 1.07 -2.08	58.65 0.84 -1.54	53.19 0.41 -1.58	49.73 0.18 -3.34	45.19 -0.09 -2.63	44.63 0.17 -1.19
BLISS_WT_PWR 323608	55.00 -5.78 -4.68	48.69 -5.03 -5.78	48.75 -5.28 -4.69	46.53 -5.05 -5.22	47.98 -5.03 -5.53	55.04 -4.73 -4.78	62.86 -4.53 -8.51	59.93 -4.54 -7.05	59.97 -5.11 -4.27	53.99 -4.80 -4.27	50.85 -6.08 -0.60	48.37 -5.53 -0.72	44.77 -5.30 -0.57	45.24 -5.03 -0.48	44.82 -5.25 -0.52	47.73 -5.11 -0.72	52.37 -5.29 -1.39	53.20 -6.53 -2.47	51.83 -6.11 -1.38	51.84 -5.63 -1.21	47.25 -5.53 -1.58	42.67 -5.08 -1.54	38.18 -5.46 -1.00	38.91 -5.58 -1.22
BLUESTONE___WT_PWR 323821	69.90 4.21 -9.60	63.30 3.50 -11.86	62.52 3.55 -9.62	60.44 3.38 -10.71	62.33 3.51 -11.33	69.52 4.73 -9.80	82.05 5.71 -17.45	84.70 5.97 -21.31	82.68 6.08 -15.79	70.11 5.07 -10.52	66.04 4.45 -5.26	60.80 3.83 -3.79	58.10 3.27 -5.34	57.47 3.23 -4.44	57.56 3.12 -4.88	63.23 3.76 -7.35	72.29 4.78 -11.24	82.13 5.50 -19.38	77.82 5.15 -16.12	73.29 4.89 -12.13	68.07 4.15 -12.72	62.01 3.47 -12.34	53.28 2.90 -7.74	55.59 2.81 -9.51
BLUE_CIRC_CHEM_DRP 24182	91.48 2.41 -32.98	90.79 2.11 -40.73	84.61 2.22 -33.06	85.22 2.09 -36.78	88.49 2.09 -38.92	91.19 2.53 -33.66	121.53 2.71 -59.93	132.60 2.41 -72.77	116.71 2.68 -53.23	93.36 2.34 -36.49	73.54 2.42 -14.79	68.02 2.29 -12.55	66.53 2.13 -14.90	64.35 2.14 -12.41	65.38 2.18 -13.64	74.73 2.19 -20.42	90.57 2.19 -32.10	114.89 2.18 -55.45	106.60 2.15 -47.89	93.84 2.14 -35.44	89.48 1.95 -36.33	83.31 1.85 -35.26	66.49 1.71 -22.14	72.34 1.86 -27.21
BOC_GAS_DRP 24189	91.56 2.08 -33.40	90.97 1.77 -41.25	84.64 1.83 -33.48	85.32 1.72 -37.25	88.66 1.76 -39.41	91.23 2.14 -34.09	121.88 2.30 -60.69	133.23 2.12 -73.69	117.03 2.31 -53.91	93.60 2.13 -36.96	73.44 2.14 -14.98	67.91 2.02 -12.71	66.47 1.88 -15.09	64.21 1.84 -12.57	65.25 1.88 -13.81	74.68 1.88 -20.68	90.80 2.03 -32.51	115.48 2.06 -56.16	107.04 1.98 -48.50	94.12 1.97 -35.89	89.79 1.79 -36.79	83.58 1.66 -35.71	66.60 1.54 -22.42	72.38 1.56 -27.55
BOONVILLE_115KV_TB1 79983	58.70 1.63 -0.98	50.45 1.29 -1.21	51.60 1.28 -0.98	48.65 1.21 -1.09	49.97 1.33 -1.16	57.81 1.81 -1.00	62.85 2.18 -1.78	61.82 2.24 -2.16	64.70 2.31 -1.58	57.56 1.96 -1.08	58.40 1.63 -0.44	54.89 1.33 -0.37	51.03 1.09 -0.44	51.26 1.10 -0.37	51.00 1.04 -0.40	54.03 1.30 -0.61	58.96 1.74 -0.95	60.84 1.95 -1.64	59.67 1.70 -1.41	58.88 1.58 -1.05	53.50 1.23 -1.07	49.26 0.97 -2.08	45.02 0.77 -1.61	45.03 0.95 -0.81
BORALEX_4TH_BRANCH 23824	92.89 3.37 -33.44	92.17 2.92 -41.30	85.82 2.96 -33.52	86.39 2.73 -37.30	89.85 2.90 -39.46	92.59 3.46 -34.13	123.08 3.42 -60.77	134.53 3.33 -73.78	118.73 3.95 -53.97	95.19 3.65 -37.02	74.99 3.66 -15.00	69.42 3.51 -12.73	67.83 3.22 -15.12	65.63 3.24 -12.59	66.71 3.32 -13.84	76.33 3.49 -20.71	92.61 3.77 -32.56	117.35 3.84 -56.26	108.88 3.73 -48.58	95.93 3.71 -35.95	91.39 3.33 -36.86	84.91 2.96 -35.75	67.92 2.81 -22.46	73.68 2.81 -27.60
BOWLINE___1 23526	86.12 3.64 -26.39	83.65 3.11 -32.59	78.99 3.21 -26.45	78.85 3.06 -29.43	81.71 3.08 -31.14	85.62 3.69 -26.94	111.15 4.30 -47.96	120.43 4.36 -58.65	109.67 4.68 -44.18	89.98 4.14 -31.32	72.88 3.94 -12.61	67.82 3.67 -10.96	65.65 3.41 -12.74	63.91 3.34 -10.77	64.33 3.27 -11.50	72.58 3.55 -16.91	86.48 4.00 -26.22	108.16 4.41 -46.49	102.03 4.36 -41.11	89.19 4.22 -28.70	84.55 3.84 -29.50	77.86 3.42 -28.24	63.51 2.98 -17.88	67.93 2.68 -21.97
BOWLINE___2 23595	86.18 3.70 -26.39	83.70 3.16 -32.60	79.05 3.26 -26.45	78.90 3.11 -29.44	81.77 3.13 -31.15	85.67 3.74 -26.94	111.21 4.36 -47.97	120.50 4.42 -58.66	109.74 4.75 -44.18	90.10 4.26 -31.33	72.99 4.06 -12.61	67.93 3.78 -10.97	65.71 3.46 -12.74	64.00 3.43 -10.78	64.38 3.32 -11.50	72.63 3.59 -16.91	86.60 4.11 -26.22	108.27 4.52 -46.49	102.14 4.47 -41.12	89.30 4.33 -28.71	84.60 3.89 -29.51	77.91 3.47 -28.24	63.60 3.07 -17.89	67.97 2.73 -21.98
BRADY___115KV_TB2 356060	55.75 -0.34 0.00	47.61 -0.34 0.00	49.09 -0.25 0.00	46.08 -0.28 0.00	47.20 -0.28 0.00	53.95 -1.04 0.00	57.59 -1.30 0.00	56.44 -0.98 0.00	59.65 -1.16 0.00	53.54 -0.98 0.00	55.54 -0.79 0.00	52.49 -0.69 0.00	48.95 -0.54 0.00	49.30 -0.50 0.00	49.01 -0.55 0.00	51.71 -0.42 0.00	55.71 -0.56 0.00	56.17 -1.09 0.00	55.49 -1.07 0.00	55.42 -0.84 0.00	50.49 -0.72 0.00	48.45 -0.79 -3.04	44.98 -0.47 -2.80	42.96 -0.30 0.00
BRANSCOMB___SOLAR 323811	93.85 3.37 -34.39	93.35 2.92 -42.49	86.78 2.96 -34.48	87.50 2.78 -38.37	91.03 2.95 -40.59	93.73 3.63 -35.11	125.41 4.01 -62.51	137.22 3.91 -75.90	120.58 4.26 -55.52	96.19 3.60 -38.07	75.31 3.55 -15.43	69.62 3.35 -13.09	68.11 3.07 -15.54	65.83 3.09 -12.95	66.86 3.07 -14.23	76.81 3.39 -21.30	93.53 3.77 -33.48	119.11 4.01 -57.85	110.53 4.02 -49.95	97.06 3.83 -36.97	92.48 3.38 -37.90	85.94 2.96 -36.78	68.41 2.69 -23.08	74.18 2.55 -28.36
BRENTWOD_69_KV_W. BRTWOOD 56703	110.28 6.28 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.87 5.10 -39.42	98.78 5.22 -46.07	109.83 6.27 -48.56	115.42 7.13 -49.41	141.60 7.18 -77.00	129.16 7.66 -60.68	112.87 6.71 -51.64	100.95 6.82 -37.80	93.48 6.33 -33.97	79.49 5.89 -24.10	77.64 5.93 -21.92	95.20 5.85 -39.79	101.27 6.25 -42.89	128.20 6.87 -65.06	156.81 7.39 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.24 5.78 -56.26	84.29 5.20 -36.44	76.93 4.98 -28.69

BRISTLHL_115KV_TB1 79998	56.87 -1.40 -2.18	49.49 -1.15 -2.70	50.34 -1.18 -2.19	47.68 -1.11 -2.44	48.92 -1.14 -2.58	56.23 -0.99 -2.23	62.09 -0.77 -3.97	61.49 -0.75 -4.82	63.48 -0.85 -3.52	56.06 -0.87 -2.41	56.12 -1.18 -0.98	52.74 -1.28 -0.83	49.25 -1.24 -0.99	49.32 -1.29 -0.82	49.27 -1.19 -0.90	52.17 -1.30 -1.35	57.15 -1.24 -2.12	60.11 -0.80 -3.66	58.87 -0.85 -3.16	57.47 -1.13 -2.34	52.42 -1.18 -2.40	47.48 -1.06 -2.33	42.95 -1.15 -1.46	44.03 -1.04 -1.80
BROOKHAVEN___DRP 24191	110.33 6.34 -47.90	101.21 5.56 -47.71	94.64 5.58 -39.72	91.10 5.33 -39.42	98.88 5.32 -46.07	109.72 6.16 -48.56	114.89 6.60 -49.41	141.26 6.83 -77.00	128.61 7.11 -60.68	112.65 6.49 -51.64	101.57 7.44 -37.80	94.12 6.97 -33.97	79.93 6.34 -24.10	78.09 6.37 -21.92	95.79 6.44 -39.79	101.85 6.83 -42.89	128.48 7.15 -65.06	156.98 7.56 -92.16	157.68 7.35 -93.76	149.75 6.92 -86.56	121.74 6.25 -64.29	108.47 6.01 -56.26	84.84 5.76 -36.44	77.50 5.54 -28.69
BROOKLYN_NAVY_YARD 23515	87.99 4.71 -27.19	85.51 3.98 -33.59	80.59 3.99 -27.26	80.44 3.75 -30.33	83.47 3.89 -32.09	87.42 4.67 -27.76	114.08 5.60 -49.59	132.95 5.63 -69.91	149.55 6.08 -82.66	142.20 5.40 -82.29	101.20 5.24 -39.63	101.15 4.84 -43.13	95.35 4.50 -41.34	94.35 4.48 -40.07	86.12 4.41 -32.16	94.24 4.74 -37.37	107.17 5.29 -45.61	120.09 5.73 -57.11	116.04 5.60 -53.87	99.41 5.52 -37.63	96.46 4.97 -40.30	80.24 4.44 -29.60	65.06 3.92 -18.50	69.42 3.50 -22.65
BROOKLYN___ARMY_DRP 323595	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
BROOKVLE_69_KV_TB1 55790	109.72 5.72 -47.90	100.49 4.84 -47.71	93.95 4.88 -39.72	90.41 4.64 -39.42	98.31 4.75 -46.07	109.28 5.72 -48.56	114.60 6.30 -49.41	140.85 6.43 -77.00	128.43 6.93 -60.68	112.27 6.11 -51.64	100.10 5.97 -37.80	92.68 5.53 -33.97	78.70 5.10 -24.10	76.80 5.08 -21.92	94.35 5.01 -39.79	100.39 5.37 -42.89	127.35 6.02 -65.06	155.95 6.53 -92.16	156.71 6.39 -93.76	149.13 6.30 -86.56	121.13 5.63 -64.29	107.46 4.99 -56.26	83.43 4.35 -36.44	76.02 4.07 -28.69
BROOME_2_LFGE 323671	64.74 -0.22 -8.87	58.76 -0.14 -10.96	58.08 -0.15 -8.89	56.16 -0.09 -9.90	57.86 -0.09 -10.47	64.38 0.33 -9.06	75.73 0.71 -16.13	77.49 0.69 -19.38	75.64 0.61 -14.22	64.63 0.43 -9.68	60.65 0.34 -3.98	56.84 0.16 -3.50	53.56 0.05 -4.01	53.19 0.05 -3.34	53.28 0.05 -3.67	57.83 0.21 -5.49	65.50 0.51 -8.72	73.13 0.80 -15.07	70.37 0.79 -13.01	66.57 0.68 -9.63	61.59 0.51 -9.87	56.02 0.33 -9.49	48.80 0.13 -6.03	50.76 0.09 -7.40
BROOME___LFGE 323600	64.74 -0.22 -8.87	58.76 -0.14 -10.96	58.08 -0.15 -8.89	56.16 -0.09 -9.90	57.86 -0.09 -10.47	64.38 0.33 -9.06	75.73 0.71 -16.13	77.49 0.69 -19.38	75.64 0.61 -14.22	64.63 0.43 -9.68	60.65 0.34 -3.98	56.84 0.16 -3.50	53.56 0.05 -4.01	53.19 0.05 -3.34	53.28 0.05 -3.67	57.83 0.21 -5.49	65.50 0.51 -8.72	73.13 0.80 -15.07	70.37 0.79 -13.01	66.57 0.68 -9.63	61.59 0.51 -9.87	56.02 0.33 -9.49	48.80 0.13 -6.03	50.76 0.09 -7.40
BROWNFLS_115KV_TB_3_5 80003	55.94 -0.90 -0.75	48.00 -0.86 -0.92	49.20 -0.89 -0.75	46.35 -0.83 -0.83	47.56 -0.81 -0.88	54.43 -1.32 -0.76	58.89 -1.35 -1.36	57.97 -1.09 -1.65	60.67 -1.34 -1.20	54.09 -1.25 -0.82	55.25 -1.41 -0.33	52.03 -1.44 -0.28	48.45 -1.39 -0.34	48.73 -1.34 -0.28	48.48 -1.39 -0.31	51.39 -1.20 -0.46	55.81 -1.18 -0.72	57.19 -1.32 -1.25	56.17 -1.47 -1.08	55.60 -1.46 -0.80	50.59 -1.43 -0.82	50.10 -1.48 -5.38	46.13 -1.24 -4.73	43.06 -0.82 -0.61
BROWNSV1_27_KV_LOAD 356125	88.55 5.27 -27.19	85.99 4.46 -33.59	81.03 4.44 -27.26	80.90 4.22 -30.33	83.90 4.32 -32.09	87.92 5.17 -27.76	114.61 6.12 -49.59	133.47 6.14 -69.91	150.10 6.63 -82.66	142.69 5.89 -82.29	101.76 5.80 -39.63	101.68 5.37 -43.13	95.79 4.95 -41.34	94.80 4.93 -40.07	86.57 4.86 -32.16	94.71 5.21 -37.37	107.73 5.85 -45.61	120.67 6.30 -57.11	116.60 6.17 -53.88	99.97 6.08 -37.63	96.98 5.48 -40.30	80.65 4.85 -29.60	65.23 4.26 -18.32	69.63 3.94 -22.42
BURROWS___LYONSDAL 23803	58.38 1.29 -1.00	50.23 1.05 -1.23	51.37 1.04 -1.00	48.44 0.97 -1.11	49.75 1.09 -1.18	57.44 1.43 -1.02	62.47 1.77 -1.81	61.51 1.89 -2.20	64.36 1.95 -1.61	57.20 1.58 -1.10	58.01 1.24 -0.45	54.52 0.96 -0.38	50.64 0.69 -0.45	50.92 0.75 -0.37	50.66 0.69 -0.41	53.73 0.99 -0.62	58.59 1.35 -0.96	60.41 1.49 -1.67	59.30 1.30 -1.44	58.51 1.18 -1.06	53.11 0.82 -1.09	49.21 0.60 -2.40	44.97 0.43 -1.90	44.78 0.69 -0.82
CAITHNESS_CC_1 323624	110.17 6.17 -47.90	100.88 5.23 -47.71	94.34 5.28 -39.72	90.74 4.96 -39.42	98.69 5.13 -46.07	109.50 5.94 -48.56	114.95 6.65 -49.41	141.19 6.77 -77.00	128.60 7.11 -60.68	112.65 6.48 -51.64	101.34 7.21 -37.80	93.91 6.76 -33.97	79.79 6.19 -24.10	77.89 6.17 -21.92	95.59 6.24 -39.79	101.64 6.62 -42.89	128.37 7.03 -65.06	156.81 7.39 -92.16	157.56 7.24 -93.76	149.74 6.92 -86.56	121.69 6.19 -64.29	108.34 5.87 -56.26	84.81 5.54 -36.63	77.55 5.36 -28.92
CALPINE BETH_PAGE_GT4 24209	109.44 5.44 -47.90	100.25 4.60 -47.71	93.75 4.69 -39.72	90.18 4.40 -39.42	98.07 4.51 -46.07	109.00 5.44 -48.56	114.54 6.24 -49.41	140.74 6.32 -77.00	128.36 6.87 -60.68	112.43 6.27 -51.64	100.27 6.14 -37.80	92.90 5.74 -33.97	78.89 5.30 -24.10	77.00 5.28 -21.92	94.55 5.20 -39.79	100.44 5.42 -42.89	127.35 6.02 -65.06	155.89 6.47 -92.16	156.71 6.39 -93.76	149.07 6.25 -86.56	121.07 5.58 -64.29	107.46 4.99 -56.26	83.56 4.48 -36.44	76.24 4.28 -28.69
CALPINE_BETH_PAGE_GT_4 323586	109.72 5.72 -47.90	100.49 4.84 -47.71	93.95 4.89 -39.72	90.41 4.63 -39.42	98.31 4.75 -46.07	109.22 5.67 -48.56	114.89 6.59 -49.41	141.02 6.60 -77.00	128.54 7.05 -60.68	112.43 6.27 -51.64	100.27 6.14 -37.80	92.85 5.69 -33.97	78.90 5.30 -24.10	76.99 5.28 -21.92	94.41 5.06 -39.79	100.39 5.37 -42.89	127.36 6.02 -65.06	155.89 6.47 -92.16	156.65 6.33 -93.76	149.07 6.24 -86.56	121.12 5.63 -64.29	107.50 5.04 -56.26	83.87 4.61 -36.62	76.47 4.28 -28.91
CALPINE_BP_GT1 23823	109.72 5.72 -47.90	100.49 4.84 -47.71	93.95 4.89 -39.72	90.41 4.63 -39.42	98.31 4.75 -46.07	109.22 5.67 -48.56	114.89 6.59 -49.41	141.02 6.60 -77.00	128.54 7.05 -60.68	112.43 6.27 -51.64	100.27 6.14 -37.80	92.85 5.69 -33.97	78.90 5.30 -24.10	76.99 5.28 -21.92	94.41 5.06 -39.79	100.39 5.37 -42.89	127.36 6.02 -65.06	155.89 6.47 -92.16	156.65 6.33 -93.76	149.07 6.24 -86.56	121.12 5.63 -64.29	107.50 5.04 -56.26	83.87 4.61 -36.62	76.47 4.28 -28.91
CALSPAN___DRP 24200	55.15 -5.33 -4.39	48.95 -4.41 -5.42	49.10 -4.64 -4.40	46.99 -4.26 -4.90	48.25 -4.42 -5.18	55.57 -3.90 -4.48	63.03 -3.83 -7.97	59.06 -4.36 -6.00	59.32 -4.86 -3.38	53.95 -4.47 -3.90	51.35 -5.52 -0.54	48.20 -5.48 -0.49	44.91 -5.10 -0.51	45.00 -5.23 -0.43	44.97 -5.05 -0.47	47.45 -5.32 -0.64	52.13 -5.63 -1.49	54.50 -5.38 -2.62	50.62 -5.32 0.63	51.17 -5.46 -0.36	47.77 -5.12 -1.69	43.31 -4.57 -1.68	39.33 -4.39 -1.08	40.30 -4.28 -1.32

CALVERTON___SOLAR 323806	110.44 6.45 -47.90	101.11 5.46 -47.71	94.54 5.48 -39.72	90.96 5.19 -39.42	98.92 5.36 -46.07	109.66 6.10 -48.56	115.07 6.77 -49.41	141.31 6.89 -77.00	128.67 7.17 -60.68	112.76 6.59 -51.64	101.79 7.66 -37.80	94.33 7.18 -33.97	80.08 6.48 -24.10	78.24 6.52 -21.92	95.99 6.64 -39.79	102.00 6.99 -42.89	128.64 7.31 -65.06	157.15 7.73 -92.16	157.84 7.52 -93.76	149.86 7.03 -86.56	121.84 6.35 -64.29	108.57 6.10 -56.26	85.15 5.89 -36.63	77.94 5.76 -28.92
CANDIGU_WT_PWR 323617	59.50 -2.64 -6.04	53.30 -2.11 -7.46	53.17 -2.22 -6.06	51.01 -2.09 -6.74	52.48 -2.14 -7.13	59.56 -1.60 -6.17	68.63 -1.24 -10.98	58.17 -1.43 -2.19	54.69 -1.82 4.30	59.00 -1.80 -6.28	53.36 -2.81 0.16	47.58 -2.82 2.78	46.43 -2.82 0.25	46.76 -2.84 0.20	46.51 -2.82 0.23	48.90 -2.76 0.46	54.20 -2.59 -0.52	55.90 -2.35 -1.00	37.22 -2.37 16.97	46.41 -2.53 7.33	49.39 -2.41 -0.59	44.38 -2.31 -0.49	40.72 -2.35 -0.42	41.44 -2.34 -0.51
CARR STREET_E_SYR 24060	57.30 -1.29 -2.50	49.98 -1.05 -3.09	50.76 -1.09 -2.51	48.12 -1.02 -2.79	49.39 -1.04 -2.95	56.72 -0.82 -2.55	62.79 -0.65 -4.55	62.37 -0.57 -5.52	64.18 -0.67 -4.04	56.57 -0.71 -2.77	56.44 -1.01 -1.12	53.02 -1.12 -0.95	49.29 -1.33 -1.13	49.34 -1.39 -0.94	49.25 -1.34 -1.03	52.47 -1.20 -1.55	57.58 -1.13 -2.43	60.77 -0.68 -4.20	59.45 -0.74 -3.62	57.87 -1.07 -2.68	52.93 -1.02 -2.75	47.91 -0.97 -2.68	43.38 -0.94 -1.68	44.38 -0.95 -2.06
CARTHAGE___PAPER 23857	57.61 0.23 -1.30	49.64 0.10 -1.60	50.69 0.05 -1.30	47.85 0.05 -1.45	49.21 0.19 -1.53	56.71 0.39 -1.32	61.96 0.71 -2.36	61.20 0.92 -2.86	63.57 0.67 -2.09	56.34 0.38 -1.43	56.85 -0.06 -0.58	53.31 -0.37 -0.49	49.54 -0.54 -0.59	49.83 -0.45 -0.49	49.65 -0.45 -0.54	52.82 -0.10 -0.80	57.87 0.34 -1.26	60.01 0.57 -2.18	58.78 0.34 -1.88	57.82 0.17 -1.39	52.53 -0.10 -1.43	49.37 -0.32 -3.49	45.03 -0.43 -2.81	44.16 -0.17 -1.07
CASSADAGA_WT_PWR 323784	55.99 -4.77 -4.67	49.59 -4.12 -5.77	49.63 -4.39 -4.68	47.67 -3.89 -5.21	48.77 -4.23 -5.51	56.08 -3.68 -4.77	64.19 -3.18 -8.48	60.75 -3.56 -6.89	60.94 -3.95 -4.09	55.05 -3.71 -4.24	51.90 -5.01 -0.58	48.90 -4.94 -0.66	45.25 -4.80 -0.55	45.38 -4.88 -0.46	45.20 -4.85 -0.50	47.97 -4.85 -0.69	52.34 -5.29 -1.36	54.06 -5.61 -2.40	52.20 -5.49 -1.12	51.88 -5.46 -1.08	47.73 -5.02 -1.54	42.95 -4.76 -1.50	38.97 -4.65 -0.98	40.01 -4.46 -1.19
CE_DUNWOOD___DRP 24194	87.46 4.26 -27.11	85.02 3.60 -33.49	80.16 3.65 -27.18	80.02 3.43 -30.24	82.99 3.51 -31.99	86.90 4.23 -27.67	113.11 4.95 -49.27	122.87 5.00 -60.46	112.37 5.41 -46.15	92.52 4.80 -33.20	74.33 4.68 -13.33	69.21 4.31 -11.71	67.00 4.01 -13.49	65.21 3.93 -11.48	65.52 3.87 -12.10	73.95 4.17 -17.65	88.14 4.67 -27.20	111.13 5.10 -48.78	105.17 5.03 -43.57	90.82 4.89 -29.66	86.13 4.40 -30.52	79.15 3.93 -29.02	64.25 3.41 -18.20	68.78 3.16 -22.36
CE_MILLWOOD___DRP 24193	87.17 4.09 -26.98	84.77 3.50 -33.33	79.94 3.55 -27.05	79.79 3.34 -30.10	82.75 3.42 -31.85	86.61 4.07 -27.55	112.71 4.77 -49.05	122.33 4.82 -60.09	111.63 5.23 -45.59	91.73 4.63 -32.58	73.93 4.51 -13.09	68.79 4.15 -11.45	66.60 3.86 -13.24	64.82 3.78 -11.24	65.19 3.72 -11.92	73.58 4.01 -17.44	87.72 4.50 -26.95	110.28 4.92 -48.09	104.19 4.86 -42.77	90.43 4.73 -29.45	85.74 4.25 -30.28	78.87 3.79 -28.88	64.04 3.28 -18.11	68.55 3.03 -22.25
CE_NYC2_DRP 24202	88.34 5.05 -27.20	85.81 4.27 -33.60	80.90 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.59 -49.63	135.06 5.63 -72.01	157.81 6.08 -90.92	153.33 5.40 -93.41	111.05 5.41 -49.32	111.05 5.05 -52.82	101.83 4.65 -47.67	101.00 4.63 -46.58	90.83 4.56 -36.72	98.82 4.85 -41.85	114.62 5.46 -52.89	122.06 5.90 -58.90	129.82 5.77 -67.50	117.02 5.68 -55.08	111.00 5.12 -54.68	80.44 4.53 -29.71	64.99 4.01 -18.34	69.46 3.76 -22.43
CE_NYC_DRP 24195	87.99 4.71 -27.19	85.56 4.03 -33.59	80.59 4.00 -27.26	80.48 3.80 -30.33	83.47 3.89 -32.09	87.42 4.67 -27.76	114.01 5.54 -49.58	132.46 5.57 -69.47	147.78 6.02 -80.95	139.85 5.34 -79.99	99.90 5.18 -38.39	99.68 4.84 -41.65	93.99 4.45 -40.03	92.96 4.43 -38.73	85.13 4.36 -31.22	93.26 4.69 -36.44	106.25 5.23 -44.75	119.67 5.67 -56.74	115.52 5.54 -53.42	98.98 5.46 -37.26	95.91 4.86 -39.84	80.17 4.39 -29.57	64.80 3.84 -18.32	69.19 3.50 -22.42
CHAFFEE___LFGE 323603	55.24 -5.38 -4.54	49.14 -4.41 -5.60	49.24 -4.64 -4.55	47.10 -4.31 -5.06	48.43 -4.41 -5.35	55.66 -3.96 -4.63	63.24 -3.89 -8.24	59.75 -4.19 -6.53	60.01 -4.62 -3.82	54.40 -4.20 -4.08	51.49 -5.41 -0.57	48.52 -5.27 -0.60	44.99 -5.05 -0.54	45.22 -5.03 -0.45	45.10 -4.96 -0.50	47.75 -5.06 -0.68	52.33 -5.35 -1.40	54.30 -5.44 -2.48	51.95 -5.26 -0.64	51.92 -5.23 -0.89	48.03 -4.76 -1.59	43.32 -4.44 -1.55	39.43 -4.22 -1.01	40.17 -4.33 -1.23
CHATEAUG_35_KV_LOAD 355732	54.97 -1.12 0.00	46.94 -1.01 0.00	48.45 -0.89 0.00	45.33 -1.02 0.00	46.20 -1.28 0.00	52.79 -2.20 0.00	55.89 -3.00 0.00	54.66 -2.76 0.00	57.77 -3.04 0.00	51.85 -2.67 0.00	53.96 -2.37 0.00	51.22 -1.97 0.00	47.92 -1.58 0.00	48.40 -1.39 0.00	48.17 -1.39 0.00	50.72 -1.41 0.00	54.30 -1.97 0.00	54.63 -2.63 0.00	53.68 -2.88 0.00	53.39 -2.87 0.00	48.59 -2.61 0.00	-2.62 -2.50 46.33	-2.33 -2.13 42.84	41.49 -1.77 0.00
CHATEAUG_WT_PWR 323614	54.80 -1.29 0.00	46.79 -1.15 0.00	48.30 -1.04 0.00	45.20 -1.16 0.00	46.06 -1.42 0.00	52.69 -2.31 0.00	55.65 -3.24 0.00	54.43 -2.99 0.00	57.52 -3.28 0.00	51.63 -2.89 0.00	53.74 -2.59 0.00	51.00 -2.18 0.00	47.77 -1.73 0.00	48.20 -1.60 0.00	48.02 -1.54 0.00	50.51 -1.62 0.00	54.08 -2.20 0.00	54.34 -2.92 0.00	53.34 -3.22 0.00	53.06 -3.20 0.00	48.23 -2.97 0.00	0.30 -2.82 43.08	0.24 -2.56 39.84	41.28 -1.99 0.00
CHAT_HIGH_FALL_HYD 323578	54.97 -1.12 0.00	46.94 -1.01 0.00	48.45 -0.89 0.00	45.33 -1.02 0.00	46.20 -1.28 0.00	52.79 -2.20 0.00	55.89 -3.00 0.00	54.66 -2.76 0.00	57.77 -3.04 0.00	51.85 -2.67 0.00	53.96 -2.37 0.00	51.22 -1.97 0.00	47.92 -1.58 0.00	48.40 -1.39 0.00	48.17 -1.39 0.00	50.72 -1.41 0.00	54.30 -1.97 0.00	54.63 -2.63 0.00	53.68 -2.88 0.00	53.39 -2.87 0.00	48.59 -2.61 0.00	-2.62 -2.50 46.33	-2.33 -2.13 42.84	41.49 -1.77 0.00
CHAUTAUQUA___LFGE 323629	55.80 -4.88 -4.59	49.53 -4.08 -5.67	49.64 -4.29 -4.60	47.58 -3.89 -5.12	48.82 -4.08 -5.41	56.10 -3.57 -4.68	63.87 -3.35 -8.33	60.32 -3.68 -6.58	60.48 -4.14 -3.81	54.91 -3.76 -4.15	51.88 -5.01 -0.57	48.88 -4.89 -0.59	45.37 -4.65 -0.53	45.46 -4.78 -0.45	45.29 -4.76 -0.49	47.89 -4.90 -0.67	52.37 -5.29 -1.39	54.57 -5.15 -2.47	52.04 -5.03 -0.52	51.86 -5.23 -0.83	47.97 -4.82 -1.58	43.31 -4.44 -1.54	39.55 -4.09 -1.00	40.38 -4.11 -1.22
CHERRYST_13_KV_LD 356241	88.16 4.88 -27.19	85.65 4.12 -33.59	80.74 4.14 -27.26	80.62 3.94 -30.33	83.61 4.04 -32.09	87.59 4.84 -27.76	114.24 5.77 -49.58	132.69 5.80 -69.47	148.02 6.26 -80.95	140.07 5.56 -79.99	100.13 5.41 -38.39	99.89 5.05 -41.65	94.19 4.65 -40.03	93.16 4.63 -38.73	85.33 4.56 -31.22	93.47 4.90 -36.44	106.48 5.46 -44.75	119.90 5.90 -56.74	115.75 5.77 -53.42	99.15 5.63 -37.26	96.11 5.07 -39.84	80.31 4.53 -29.57	64.93 3.97 -18.32	69.32 3.63 -22.42

CHESTROR_138KV_BK263 355645	84.75 3.31 -25.35	82.04 2.78 -31.31	77.61 2.86 -25.41	77.32 2.69 -28.28	80.16 2.75 -29.92	84.17 3.30 -25.88	108.85 3.89 -46.07	117.35 3.90 -56.03	106.23 4.20 -41.22	86.68 3.71 -28.45	71.24 3.55 -11.36	66.07 3.24 -9.64	63.97 3.02 -11.45	62.32 2.99 -9.54	62.96 2.92 -10.48	70.94 3.13 -15.69	84.54 3.60 -24.66	105.03 4.01 -43.76	98.84 3.96 -38.32	87.39 3.83 -27.31	82.65 3.43 -28.01	76.41 3.10 -27.11	62.34 2.69 -17.01	66.60 2.42 -20.91
CH_MIDHUDSON___DRP 24192	88.05 4.54 -27.42	85.60 3.79 -33.87	80.72 3.90 -27.49	80.60 3.66 -30.58	83.60 3.75 -32.36	87.49 4.51 -27.99	114.14 5.42 -49.83	123.26 5.34 -60.50	110.78 5.72 -44.26	89.65 4.80 -30.33	73.29 4.68 -12.29	67.87 4.25 -10.43	65.74 3.86 -12.38	63.90 3.78 -10.32	64.71 3.82 -11.34	73.26 4.17 -16.97	87.79 4.84 -26.68	108.68 5.33 -46.09	101.74 5.37 -39.80	90.89 5.18 -29.45	86.01 4.61 -30.20	79.59 4.07 -29.32	64.16 3.11 -18.40	68.78 2.90 -22.61
CH_MISC_IPPS 23765	87.66 4.43 -27.14	85.21 3.74 -33.52	80.34 3.80 -27.20	80.24 3.62 -30.27	83.17 3.66 -32.03	87.15 4.45 -27.70	113.51 5.30 -49.32	122.53 5.22 -59.88	110.20 5.59 -43.80	89.28 4.74 -30.02	73.05 4.56 -12.16	67.65 4.15 -10.32	65.57 3.81 -12.26	63.74 3.74 -10.21	64.49 3.72 -11.22	72.99 4.07 -16.79	87.40 4.73 -26.40	108.09 5.21 -45.62	101.21 5.26 -39.39	90.48 5.07 -29.15	85.60 4.51 -29.89	79.20 3.97 -29.02	64.37 3.28 -18.44	68.91 2.98 -22.66
CH_RES_BVR_FALLS 23983	55.25 -0.84 0.00	47.13 -0.82 0.00	48.50 -0.84 0.00	45.52 -0.83 0.00	46.63 -0.85 0.00	53.73 -1.26 0.00	57.42 -1.47 0.00	56.04 -1.38 0.00	59.35 -1.46 0.00	53.32 -1.20 0.00	55.32 -1.01 0.00	52.33 -0.85 0.00	48.76 -0.74 0.00	49.05 -0.75 0.00	48.76 -0.79 0.00	51.29 -0.84 0.00	55.15 -1.13 0.00	55.77 -1.49 0.00	55.09 -1.47 0.00	54.91 -1.35 0.00	50.03 -1.18 0.00	45.14 -1.06 0.00	41.66 -0.98 0.00	42.40 -0.87 0.00
CH_RES_NIAGARA 23895	53.47 -6.68 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.59 -5.60 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.52 -6.38 -3.38	49.35 -7.55 -0.57	47.07 -6.76 -0.64	43.51 -6.53 -0.55	42.98 -7.27 -0.46	43.02 -7.04 -0.50	44.95 -7.87 -0.70	49.31 -8.44 -1.48	53.05 -6.82 -2.61	50.71 -6.50 -0.65	48.53 -8.66 -0.93	45.20 -7.68 -1.68	41.23 -6.61 -1.64	38.49 -5.20 -1.05	39.41 -5.15 -1.29
CH_RES_SYRACUSE 23985	58.26 -0.62 -2.78	50.90 -0.48 -3.44	51.63 -0.49 -2.79	49.00 -0.46 -3.11	50.30 -0.47 -3.29	57.67 -0.16 -2.84	64.07 0.12 -5.06	63.73 0.12 -6.14	65.42 0.12 -4.49	57.59 0.00 -3.08	57.24 -0.34 -1.25	53.76 -0.48 -1.06	50.21 -0.54 -1.26	50.25 -0.60 -1.05	50.21 -0.50 -1.15	53.27 -0.57 -1.72	58.58 -0.39 -2.70	61.93 0.00 -4.67	60.53 -0.06 -4.03	58.85 -0.39 -2.98	53.85 -0.41 -3.06	48.76 -0.42 -2.98	44.08 -0.43 -1.87	45.13 -0.43 -2.29
CLINTON_WT_PWR 323605	54.80 -1.29 0.00	46.79 -1.15 0.00	48.30 -1.04 0.00	45.20 -1.16 0.00	46.06 -1.42 0.00	52.69 -2.31 0.00	55.65 -3.24 0.00	54.43 -2.99 0.00	57.52 -3.28 0.00	51.63 -2.89 0.00	53.74 -2.59 0.00	51.00 -2.18 0.00	47.77 -1.73 0.00	48.20 -1.60 0.00	48.02 -1.54 0.00	50.51 -1.62 0.00	54.08 -2.20 0.00	54.34 -2.92 0.00	53.34 -3.22 0.00	53.06 -3.20 0.00	48.23 -2.97 0.00	0.30 -2.82 43.08	0.24 -2.56 39.84	41.28 -1.99 0.00
CLINTON___LFGE 323618	55.58 -0.51 0.00	47.42 -0.53 0.00	48.99 -0.34 0.00	45.89 -0.46 0.00	46.78 -0.71 0.00	53.45 -1.54 0.00	56.47 -2.42 0.00	55.35 -2.06 0.00	58.44 -2.37 0.00	52.45 -2.07 0.00	54.52 -1.80 0.00	51.64 -1.54 0.00	48.31 -1.19 0.00	48.75 -1.05 0.00	48.56 -0.99 0.00	51.19 -0.94 0.00	54.87 -1.40 0.00	55.20 -2.06 0.00	54.24 -2.32 0.00	53.84 -2.42 0.00	48.90 -2.30 0.00	0.01 -2.26 43.93	0.01 -2.00 40.63	41.84 -1.43 0.00
COBBLENY_34_KV_TB1 80064	55.24 -5.38 -4.54	49.14 -4.41 -5.60	49.25 -4.64 -4.55	47.10 -4.31 -5.06	48.42 -4.42 -5.35	55.72 -3.90 -4.63	63.30 -3.83 -8.24	59.75 -4.19 -6.53	60.01 -4.62 -3.82	54.35 -4.25 -4.08	51.55 -5.35 -0.57	48.52 -5.27 -0.60	45.09 -4.95 -0.54	45.27 -4.98 -0.45	45.19 -4.86 -0.50	47.75 -5.06 -0.68	52.42 -5.40 -1.55	54.66 -5.33 -2.73	51.11 -5.20 0.25	51.64 -5.18 -0.56	48.09 -4.86 -1.75	43.50 -4.48 -1.77	39.47 -4.31 -1.13	40.37 -4.28 -1.39
COFFEEN___115KV_TB3 355620	58.85 1.29 -1.47	50.72 0.96 -1.81	51.75 0.94 -1.47	48.87 0.88 -1.64	50.22 1.00 -1.73	57.98 1.48 -1.50	63.56 2.00 -2.67	62.84 2.18 -3.24	65.13 1.95 -2.37	57.51 1.36 -1.62	57.77 0.79 -0.66	54.17 0.43 -0.56	50.26 0.10 -0.66	50.50 0.15 -0.55	50.36 0.20 -0.61	53.71 0.68 -0.91	59.10 1.41 -1.42	61.66 1.95 -2.46	60.32 1.64 -2.12	59.24 1.41 -1.57	53.68 0.87 -1.61	50.08 0.55 -3.32	45.49 0.26 -2.60	44.95 0.48 -1.21
COLDSPRG_115KV_BK1 355956	56.57 -4.32 -4.80	50.23 -3.64 -5.93	50.30 -3.85 -4.81	48.23 -3.48 -5.35	49.49 -3.66 -5.66	56.87 -3.02 -4.90	65.13 -2.47 -8.72	62.27 -2.53 -7.38	62.47 -2.86 -4.52	56.18 -2.73 -4.38	53.00 -3.94 -0.61	50.17 -3.78 -0.77	46.46 -3.61 -0.58	46.89 -3.39 -0.48	46.62 -3.47 -0.53	49.57 -3.28 -0.73	54.31 -3.60 -1.64	55.79 -4.35 -2.88	52.59 -4.24 -0.27	53.71 -3.38 -0.82	49.88 -3.17 -1.85	44.77 -3.37 -1.94	40.51 -3.37 -1.23	40.93 -3.85 -1.51
COLONIE_LFGE___ 323577	92.88 2.80 -33.99	92.32 2.40 -41.98	85.87 2.47 -34.07	86.58 2.32 -37.91	90.02 2.42 -40.11	92.60 2.91 -34.70	123.72 3.06 -61.77	135.34 2.93 -75.00	119.01 3.34 -54.86	95.08 2.94 -37.62	74.56 2.98 -15.24	68.93 2.82 -12.93	67.48 2.62 -15.36	65.23 2.64 -12.80	66.24 2.62 -14.06	75.98 2.81 -21.05	92.34 2.98 -33.09	117.51 3.09 -57.17	108.98 3.05 -49.37	95.77 2.98 -36.53	91.32 2.66 -37.45	84.90 2.36 -36.34	67.67 2.22 -22.81	73.46 2.16 -28.03
COOPERNY_115KV_TB1 80082	79.27 2.52 -20.65	75.61 2.16 -25.51	72.21 2.17 -20.70	71.48 2.09 -23.04	73.95 2.09 -24.37	78.66 2.58 -21.08	99.43 3.00 -37.53	106.07 3.04 -45.61	97.56 3.28 -33.47	80.43 2.89 -23.02	68.35 2.76 -9.26	63.54 2.50 -7.85	61.10 2.28 -9.33	59.81 2.24 -7.77	60.27 2.18 -8.54	67.30 2.40 -12.78	79.18 2.81 -20.10	95.57 3.09 -35.22	90.20 3.00 -30.64	81.47 2.98 -22.22	76.66 2.66 -22.79	70.69 2.40 -22.08	58.59 2.09 -13.86	62.21 1.90 -17.04
COPENHAGEN_WT_PWR 323753	58.17 0.56 -1.51	50.20 0.38 -1.87	51.20 0.35 -1.52	48.37 0.33 -1.69	49.70 0.43 -1.79	57.37 0.83 -1.55	62.82 1.18 -2.75	62.14 1.38 -3.34	64.35 1.10 -2.44	56.96 0.76 -1.67	57.23 0.23 -0.68	53.65 -0.11 -0.58	49.89 -0.30 -0.68	50.12 -0.25 -0.57	49.93 -0.25 -0.63	53.22 0.16 -0.94	58.42 0.68 -1.47	60.88 1.09 -2.54	59.60 0.85 -2.19	58.50 0.62 -1.62	53.12 0.26 -1.66	49.52 0.05 -3.27	45.06 -0.13 -2.54	44.56 0.04 -1.25
CORNELL____ 23752	63.25 1.01 -6.15	56.40 0.86 -7.59	56.39 0.89 -6.16	54.09 0.88 -6.86	55.64 0.90 -7.26	62.86 1.59 -6.28	72.36 2.30 -11.17	73.94 2.30 -14.23	73.97 2.25 -10.91	62.97 1.74 -6.71	66.26 1.18 -8.75	56.77 0.85 -2.73	59.12 0.59 -9.03	57.89 0.60 -7.50	58.45 0.64 -8.25	65.62 0.89 -12.61	75.19 1.46 -17.46	89.25 2.06 -29.93	79.11 1.98 -20.57	74.88 1.69 -16.93	72.28 1.33 -19.75	66.74 1.06 -19.48	55.18 0.64 -11.90	58.64 0.74 -14.64

CORONAAV_69_KV_TB1 355595	109.49 5.50 -47.90	100.35 4.70 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.17 4.61 -46.07	109.00 5.44 -48.56	114.54 6.24 -49.41	140.74 6.32 -77.00	128.24 6.75 -60.68	112.16 6.00 -51.64	99.99 5.86 -37.80	92.58 5.42 -33.97	78.60 5.00 -24.10	76.70 4.98 -21.92	94.26 4.91 -39.79	100.28 5.26 -42.89	127.24 5.91 -65.06	155.89 6.47 -92.16	156.66 6.33 -93.76	149.01 6.19 -86.56	121.07 5.58 -64.29	107.41 4.94 -56.26	83.43 4.35 -36.44	75.97 4.02 -28.68
CORTLAND_115KV_TB3 80093	61.58 0.50 -4.98	54.58 0.48 -6.16	54.83 0.49 -5.00	52.38 0.46 -5.56	53.84 0.47 -5.88	61.13 1.04 -5.09	69.48 1.53 -9.06	70.17 1.55 -11.20	70.70 1.52 -8.37	61.13 1.14 -5.47	60.97 0.79 -3.85	55.74 0.53 -2.03	53.84 0.40 -3.94	53.42 0.35 -3.28	53.56 0.40 -3.61	58.11 0.52 -5.47	65.19 0.96 -7.96	72.33 1.37 -13.69	68.37 1.30 -10.51	65.53 1.07 -8.20	61.03 0.82 -9.01	55.67 0.65 -8.82	48.43 0.34 -5.45	50.40 0.43 -6.70
COXSACKIE__GT 23611	91.81 3.98 -31.73	90.45 3.31 -39.20	84.70 3.55 -31.81	85.09 3.34 -35.40	88.36 3.42 -37.45	91.62 4.23 -32.39	121.74 5.18 -57.67	131.80 4.36 -70.02	116.71 4.68 -51.22	93.02 3.38 -35.12	73.99 3.44 -14.23	68.23 2.98 -12.07	66.61 2.77 -14.34	64.48 2.74 -11.94	65.60 2.92 -13.13	74.95 3.18 -19.65	90.81 3.66 -30.89	114.40 3.78 -53.36	106.66 4.02 -46.08	94.07 3.71 -34.10	89.44 3.28 -34.96	83.05 2.91 -33.93	66.45 2.47 -21.34	72.17 2.68 -26.22
CPV_VALLEY__CC1 323721	82.60 2.80 -23.70	79.62 2.40 -29.28	75.56 2.47 -23.76	75.11 2.32 -26.44	77.84 2.37 -27.98	82.05 2.86 -24.20	105.32 3.35 -43.08	113.16 3.39 -52.36	102.90 3.65 -38.45	84.26 3.27 -26.47	70.05 3.10 -10.62	65.07 2.87 -9.01	62.83 2.62 -10.71	61.30 2.59 -8.92	61.88 2.53 -9.80	69.55 2.76 -14.67	82.49 3.15 -23.06	101.23 3.44 -40.53	95.28 3.39 -35.32	85.09 3.32 -25.51	80.39 3.02 -26.16	74.32 2.77 -25.35	61.07 2.43 -16.00	65.09 2.16 -19.66
CPV_VALLEY__CC2 323722	82.60 2.80 -23.70	79.62 2.40 -29.28	75.56 2.47 -23.76	75.11 2.32 -26.44	77.84 2.37 -27.98	82.05 2.86 -24.20	105.32 3.35 -43.08	113.16 3.39 -52.36	102.90 3.65 -38.45	84.26 3.27 -26.47	70.05 3.10 -10.62	65.07 2.87 -9.01	62.83 2.62 -10.71	61.30 2.59 -8.92	61.88 2.53 -9.80	69.55 2.76 -14.67	82.49 3.15 -23.06	101.23 3.44 -40.53	95.28 3.39 -35.32	85.09 3.32 -25.51	80.39 3.02 -26.16	74.32 2.77 -25.35	61.07 2.43 -16.00	65.09 2.16 -19.66
CRESCENT__HYD 24018	92.88 2.80 -33.99	92.32 2.40 -41.98	85.87 2.47 -34.07	86.58 2.32 -37.91	90.02 2.42 -40.11	92.60 2.91 -34.70	123.72 3.06 -61.77	135.34 2.93 -75.00	119.01 3.34 -54.86	95.08 2.94 -37.62	74.56 2.98 -15.24	68.93 2.82 -12.93	67.48 2.62 -15.36	65.23 2.64 -12.80	66.24 2.62 -14.06	75.98 2.81 -21.05	92.34 2.98 -33.09	117.51 3.09 -57.17	108.98 3.05 -49.37	95.77 2.98 -36.53	91.32 2.66 -37.45	84.90 2.36 -36.34	67.67 2.22 -22.81	73.46 2.16 -28.03
CRICKET__VALLEY_CC1 323756	88.63 3.59 -28.95	86.77 3.07 -35.76	81.47 3.11 -29.02	81.57 2.92 -32.29	84.64 2.99 -34.16	88.12 3.57 -29.55	115.39 3.89 -52.61	125.14 3.85 -63.88	111.85 4.32 -46.73	90.45 3.93 -32.01	73.13 3.83 -12.97	67.81 3.62 -11.00	65.88 3.32 -13.07	64.02 3.34 -10.89	64.84 3.32 -11.96	73.58 3.55 -17.91	88.36 3.94 -28.15	110.02 4.13 -48.64	102.64 4.07 -42.00	91.34 4.00 -31.08	86.71 3.64 -31.87	80.39 3.23 -30.95	64.98 2.98 -19.36	69.86 2.81 -23.79
CRICKET__VALLEY_CC2 323757	88.63 3.59 -28.95	86.77 3.07 -35.76	81.47 3.11 -29.02	81.57 2.92 -32.29	84.64 2.99 -34.16	88.12 3.57 -29.55	115.39 3.89 -52.61	125.14 3.85 -63.88	111.85 4.32 -46.73	90.45 3.93 -32.01	73.13 3.83 -12.97	67.81 3.62 -11.00	65.88 3.32 -13.07	64.02 3.34 -10.89	64.84 3.32 -11.96	73.58 3.55 -17.91	88.36 3.94 -28.15	110.02 4.13 -48.64	102.64 4.07 -42.00	91.34 4.00 -31.08	86.71 3.64 -31.87	80.39 3.23 -30.95	64.98 2.98 -19.36	69.86 2.81 -23.79
CRICKET__VALLEY_CC3 323758	88.63 3.59 -28.95	86.77 3.07 -35.76	81.47 3.11 -29.02	81.57 2.92 -32.29	84.64 2.99 -34.16	88.12 3.57 -29.55	115.39 3.89 -52.61	125.14 3.85 -63.88	111.85 4.32 -46.73	90.45 3.93 -32.01	73.13 3.83 -12.97	67.81 3.62 -11.00	65.88 3.32 -13.07	64.02 3.34 -10.89	64.84 3.32 -11.96	73.58 3.55 -17.91	88.36 3.94 -28.15	110.02 4.13 -48.64	102.64 4.07 -42.00	91.34 4.00 -31.08	86.71 3.64 -31.87	80.39 3.23 -30.95	64.98 2.98 -19.36	69.86 2.81 -23.79
CRUCIBLE_METL_DRP 24180	58.26 -0.62 -2.78	50.90 -0.48 -3.44	51.63 -0.49 -2.79	49.00 -0.46 -3.11	50.30 -0.47 -3.29	57.67 -0.16 -2.84	64.07 0.12 -5.06	63.73 0.17 -6.14	65.42 0.12 -4.49	57.59 0.00 -3.08	57.24 -0.34 -1.25	53.76 -0.48 -1.06	50.21 -0.54 -1.26	50.24 -0.60 -1.05	50.16 -0.55 -1.15	53.27 -0.57 -1.72	58.58 -0.39 -2.70	61.92 0.00 -4.66	60.53 -0.06 -4.02	58.90 -0.34 -2.98	53.80 -0.46 -3.05	48.77 -0.42 -2.98	43.91 -0.60 -1.86	45.08 -0.48 -2.29
DAHOWA__HYDRO 323763	94.15 3.59 -34.47	93.59 3.07 -42.57	87.05 3.16 -34.55	87.77 2.97 -38.44	91.25 3.08 -40.68	94.03 3.85 -35.18	125.89 4.36 -62.64	137.72 4.25 -76.05	121.06 4.62 -55.63	96.59 3.93 -38.15	75.62 3.83 -15.46	69.92 3.62 -13.11	68.34 3.27 -15.58	66.06 3.29 -12.98	67.08 3.27 -14.26	77.11 3.65 -21.34	93.88 4.05 -33.55	119.52 4.30 -57.97	110.91 4.30 -50.06	97.41 4.10 -37.04	92.82 3.64 -37.98	86.20 3.14 -36.85	68.63 2.86 -23.13	74.37 2.68 -28.42
DANC__LFGE 323619	57.69 -0.17 -1.76	49.93 -0.19 -2.18	50.86 -0.25 -1.77	48.09 -0.23 -1.97	49.43 -0.14 -2.08	56.96 0.17 -1.80	62.51 0.42 -3.21	61.83 0.52 -3.89	63.96 0.31 -2.85	56.63 0.16 -1.95	56.78 -0.34 -0.79	53.32 -0.53 -0.67	49.60 -0.69 -0.80	49.81 -0.65 -0.66	49.69 -0.59 -0.73	52.80 -0.42 -1.09	57.87 -0.11 -1.71	60.56 0.35 -2.96	59.29 0.17 -2.55	58.04 -0.11 -1.89	52.84 -0.31 -1.94	48.86 -0.37 -3.02	44.41 -0.47 -2.23	44.37 -0.35 -1.45
DANSKAMMER__1 23586	87.66 4.43 -27.14	85.21 3.74 -33.52	80.34 3.80 -27.20	80.24 3.62 -30.27	83.17 3.66 -32.03	87.15 4.45 -27.70	113.51 5.30 -49.32	122.53 5.22 -59.88	110.20 5.59 -43.80	89.28 4.74 -30.02	73.05 4.56 -12.16	67.65 4.15 -10.32	65.57 3.81 -12.26	63.74 3.74 -10.21	64.49 3.72 -11.22	72.99 4.07 -16.79	87.40 4.73 -26.40	108.09 5.21 -45.62	101.21 5.26 -39.39	90.48 5.07 -29.15	85.60 4.51 -29.89	79.20 3.97 -29.02	64.37 3.28 -18.44	68.91 2.98 -22.66
DANSKAMMER__2 23589	87.66 4.43 -27.14	85.21 3.74 -33.52	80.34 3.80 -27.20	80.24 3.62 -30.27	83.17 3.66 -32.03	87.15 4.45 -27.70	113.51 5.30 -49.32	122.53 5.22 -59.88	110.20 5.59 -43.80	89.28 4.74 -30.02	73.05 4.56 -12.16	67.65 4.15 -10.32	65.57 3.81 -12.26	63.74 3.74 -10.21	64.49 3.72 -11.22	72.99 4.07 -16.79	87.40 4.73 -26.40	108.09 5.21 -45.62	101.21 5.26 -39.39	90.48 5.07 -29.15	85.60 4.51 -29.89	79.20 3.97 -29.02	64.37 3.28 -18.44	68.91 2.98 -22.66
DANSKAMMER__3 23590	87.66 4.43 -27.14	85.21 3.74 -33.52	80.34 3.80 -27.20	80.24 3.62 -30.27	83.17 3.66 -32.03	87.15 4.45 -27.70	113.51 5.30 -49.32	122.53 5.22 -59.88	110.20 5.59 -43.80	89.28 4.74 -30.02	73.05 4.56 -12.16	67.65 4.15 -10.32	65.57 3.81 -12.26	63.74 3.74 -10.21	64.49 3.72 -11.22	72.99 4.07 -16.79	87.40 4.73 -26.40	108.09 5.21 -45.62	101.21 5.26 -39.39	90.48 5.07 -29.15	85.60 4.51 -29.89	79.20 3.97 -29.02	64.37 3.28 -18.44	68.91 2.98 -22.66

DANSKAMMER___4 23591	87.66 4.43 -27.14	85.21 3.74 -33.52	80.34 3.80 -27.20	80.24 3.62 -30.27	83.17 3.66 -32.03	87.15 4.45 -27.70	113.51 5.30 -49.32	122.53 5.22 -59.88	110.20 5.59 -43.80	89.28 4.74 -30.02	73.05 4.56 -12.16	67.65 4.15 -10.32	65.57 3.81 -12.26	63.74 3.74 -10.21	64.49 3.72 -11.22	72.99 4.07 -16.79	87.40 4.73 -26.40	108.09 5.21 -45.62	101.21 5.26 -39.39	90.48 5.07 -29.15	85.60 4.51 -29.89	79.20 3.97 -29.02	64.37 3.28 -18.44	68.91 2.98 -22.66
DANSKAMMER___DIESEL 23592	87.66 4.43 -27.14	85.20 3.74 -33.52	80.34 3.80 -27.20	80.24 3.62 -30.27	83.17 3.66 -32.03	87.10 4.40 -27.70	113.57 5.36 -49.32	122.53 5.23 -59.88	110.21 5.59 -43.80	89.28 4.74 -30.02	73.05 4.56 -12.16	67.65 4.15 -10.32	65.57 3.81 -12.26	63.74 3.73 -10.21	64.49 3.72 -11.22	72.98 4.07 -16.79	87.40 4.73 -26.41	108.15 5.27 -45.62	101.21 5.26 -39.39	90.48 5.06 -29.15	85.60 4.51 -29.89	79.19 3.97 -29.02	64.10 3.24 -18.22	68.63 2.99 -22.38
DARBY___SOLAR 323810	93.91 3.42 -34.40	93.36 2.92 -42.49	86.78 2.96 -34.48	87.55 2.83 -38.37	91.03 2.95 -40.60	93.74 3.63 -35.12	125.47 4.06 -62.52	137.28 3.96 -75.90	120.71 4.38 -55.52	96.30 3.71 -38.07	75.42 3.66 -15.43	69.73 3.45 -13.09	68.17 3.12 -15.55	65.88 3.14 -12.95	66.96 3.17 -14.23	76.92 3.49 -21.30	93.59 3.83 -33.49	119.18 4.07 -57.85	110.54 4.02 -49.96	97.06 3.83 -36.97	92.54 3.43 -37.90	85.94 2.96 -36.78	68.46 2.73 -23.08	74.18 2.55 -28.36
DASHVILLE___HYD 23610	87.16 3.03 -28.04	85.08 2.49 -34.64	79.97 2.52 -28.11	80.05 2.41 -31.28	83.05 2.47 -33.10	86.59 2.97 -28.63	113.63 3.77 -50.97	123.09 3.79 -61.88	110.15 4.07 -45.27	88.92 3.38 -31.03	72.05 3.15 -12.57	66.72 2.87 -10.67	64.79 2.62 -12.67	62.89 2.54 -10.55	63.68 2.53 -11.60	72.29 2.81 -17.36	87.00 3.43 -27.29	108.30 3.89 -47.15	101.18 3.90 -40.71	90.10 3.71 -30.13	85.42 3.33 -30.89	79.10 2.91 -29.99	63.81 2.35 -18.83	68.39 1.99 -23.13
DEERFIELD_69_KV_DEERFIELD LD 355887	111.46 7.46 -47.90	102.22 6.57 -47.71	95.62 6.56 -39.72	92.08 6.30 -39.42	99.83 6.27 -46.07	110.82 7.26 -48.56	116.07 7.77 -49.41	142.46 8.04 -77.00	129.82 8.33 -60.68	113.74 7.58 -51.64	102.86 8.73 -37.80	95.29 8.14 -33.97	80.97 7.38 -24.10	79.09 7.37 -21.92	96.88 7.53 -39.79	102.89 7.87 -42.89	129.61 8.27 -65.06	158.30 8.88 -92.16	158.98 8.65 -93.76	150.87 8.05 -86.56	122.71 7.22 -64.29	109.49 7.02 -56.26	85.74 6.65 -36.44	78.45 6.49 -28.69
DELAWARE___LFGE 323621	70.38 2.36 -11.93	64.70 2.01 -14.74	63.32 2.02 -11.96	61.57 1.90 -13.31	63.57 1.99 -14.08	69.76 2.58 -12.18	83.64 3.06 -21.69	86.76 3.10 -26.24	83.31 3.28 -19.22	70.55 2.89 -13.14	64.59 2.65 -5.62	60.06 2.34 -4.54	57.25 2.08 -5.67	56.61 2.09 -4.72	56.78 2.03 -5.19	62.20 2.29 -7.78	71.19 2.76 -12.16	81.34 3.09 -20.99	77.32 2.94 -17.82	72.42 2.87 -13.28	67.42 2.46 -13.76	61.67 2.13 -13.34	52.85 1.83 -8.38	55.29 1.73 -10.30
DERFIELD_115KV_TB7 355931	56.93 0.84 0.00	48.61 0.67 0.00	50.03 0.69 0.00	47.00 0.65 0.00	48.15 0.66 0.00	55.87 0.88 0.00	59.89 1.00 0.00	58.39 0.98 0.00	61.84 1.03 0.00	55.45 0.93 0.00	57.17 0.84 0.00	53.93 0.74 0.00	50.19 0.69 0.00	50.44 0.65 0.00	50.20 0.64 0.00	52.85 0.73 0.00	57.12 0.84 0.00	58.18 0.92 0.00	57.47 0.90 0.00	57.11 0.84 0.00	51.92 0.72 0.00	46.85 0.65 0.00	43.20 0.55 0.00	43.83 0.56 0.00
DOGLEVILLE___HYD 23807	59.01 2.91 0.00	50.39 2.44 0.00	51.75 2.42 0.00	48.62 2.27 0.00	49.86 2.37 0.00	57.96 2.97 0.00	62.19 3.30 0.00	60.69 3.27 0.00	64.33 3.53 0.00	57.73 3.22 0.00	59.48 3.15 0.00	56.11 2.92 0.00	52.17 2.67 0.00	52.48 2.69 0.00	52.18 2.62 0.00	54.83 2.71 0.00	59.25 2.98 0.00	60.41 3.15 0.00	59.44 2.88 0.00	59.13 2.87 0.00	53.66 2.46 0.00	48.38 2.17 0.00	44.60 1.96 0.00	45.17 1.90 0.00
DUNKIRK___115KV_TB_200 55889	55.79 -4.88 -4.58	49.52 -4.08 -5.66	49.63 -4.29 -4.59	47.52 -3.94 -5.11	48.81 -4.08 -5.40	56.15 -3.52 -4.67	63.91 -3.30 -8.32	60.29 -3.67 -6.55	60.46 -4.13 -3.79	54.84 -3.82 -4.14	51.93 -4.96 -0.56	48.82 -4.95 -0.58	45.42 -4.60 -0.53	45.46 -4.78 -0.44	45.38 -4.66 -0.49	47.89 -4.90 -0.67	52.52 -5.29 -1.53	54.98 -4.98 -2.70	51.19 -4.98 0.40	51.57 -5.18 -0.48	48.08 -4.86 -1.74	43.57 -4.39 -1.76	39.59 -4.18 -1.12	40.58 -4.07 -1.38
DUNKIRK___1 23563	55.79 -4.88 -4.58	49.52 -4.08 -5.66	49.63 -4.29 -4.59	47.52 -3.94 -5.11	48.81 -4.08 -5.40	56.15 -3.52 -4.67	63.91 -3.30 -8.32	60.29 -3.67 -6.55	60.46 -4.13 -3.79	54.84 -3.82 -4.14	51.93 -4.96 -0.56	48.82 -4.95 -0.58	45.42 -4.60 -0.53	45.46 -4.78 -0.44	45.38 -4.66 -0.49	47.89 -4.90 -0.67	52.52 -5.29 -1.53	54.98 -4.98 -2.70	51.19 -4.98 0.40	51.57 -5.18 -0.48	48.08 -4.86 -1.74	43.57 -4.39 -1.76	39.59 -4.18 -1.12	40.58 -4.07 -1.38
DUNKIRK___2 23564	55.79 -4.88 -4.58	49.52 -4.08 -5.66	49.63 -4.29 -4.59	47.52 -3.94 -5.11	48.81 -4.08 -5.40	56.15 -3.52 -4.67	63.91 -3.30 -8.32	60.29 -3.67 -6.55	60.46 -4.13 -3.79	54.84 -3.82 -4.14	51.93 -4.96 -0.56	48.82 -4.95 -0.58	45.42 -4.60 -0.53	45.46 -4.78 -0.44	45.38 -4.66 -0.49	47.89 -4.90 -0.67	52.52 -5.29 -1.53	54.98 -4.98 -2.70	51.19 -4.98 0.40	51.57 -5.18 -0.48	48.08 -4.86 -1.74	43.57 -4.39 -1.76	39.59 -4.18 -1.12	40.58 -4.07 -1.38
DUNKIRK___3 23565	55.68 -4.99 -4.58	49.48 -4.12 -5.66	49.59 -4.34 -4.59	47.48 -3.99 -5.11	48.76 -4.13 -5.41	56.04 -3.63 -4.68	63.80 -3.42 -8.32	60.10 -3.90 -6.59	60.25 -4.38 -3.82	54.65 -4.03 -4.17	51.71 -5.18 -0.56	48.73 -5.05 -0.59	45.27 -4.75 -0.53	45.36 -4.88 -0.44	45.28 -4.76 -0.49	47.78 -5.00 -0.66	52.57 -5.23 -1.53	54.92 -5.04 -2.70	51.23 -4.98 0.35	51.76 -5.01 -0.50	48.23 -4.71 -1.74	43.65 -4.30 -1.74	39.62 -4.14 -1.11	40.56 -4.07 -1.36
DUNKIRK___4 23566	55.52 -5.05 -4.48	49.30 -4.17 -5.53	49.44 -4.39 -4.49	47.32 -4.03 -5.00	48.59 -4.18 -5.29	55.88 -3.68 -4.57	63.55 -3.47 -8.14	59.60 -3.96 -6.15	59.80 -4.44 -3.43	54.44 -4.09 -4.01	51.69 -5.18 -0.54	48.56 -5.11 -0.48	45.21 -4.80 -0.51	45.24 -4.98 -0.43	45.22 -4.81 -0.47	47.65 -5.11 -0.64	52.36 -5.40 -1.49	54.79 -5.10 -2.63	50.80 -5.03 0.73	51.35 -5.23 -0.32	47.98 -4.92 -1.69	43.46 -4.44 -1.69	39.46 -4.26 -1.08	40.44 -4.15 -1.33
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	87.66 4.38 -27.19	85.27 3.74 -33.59	80.35 3.75 -27.26	80.26 3.57 -30.33	83.24 3.66 -32.09	87.15 4.40 -27.76	113.49 5.18 -49.42	123.59 5.17 -61.01	113.69 5.59 -47.29	94.12 4.96 -34.64	73.36 4.84 -12.19	67.99 4.47 -10.34	65.94 4.16 -12.28	64.16 4.13 -10.23	64.86 4.06 -11.24	73.33 4.38 -16.83	87.63 4.90 -26.46	120.92 5.27 -58.39	118.04 5.20 -56.28	91.39 5.06 -30.06	86.75 4.56 -30.99	79.39 4.07 -29.12	64.47 3.58 -18.25	68.98 3.29 -22.43
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	86.25 3.76 -26.40	83.72 3.16 -32.61	79.06 3.26 -26.47	78.91 3.11 -29.45	81.78 3.13 -31.16	85.74 3.79 -26.95	111.41 4.53 -47.99	120.19 4.48 -58.29	108.33 4.80 -42.72	88.01 4.14 -29.35	72.11 3.94 -11.83	66.84 3.62 -10.04	64.74 3.32 -11.92	63.02 3.29 -9.93	63.69 3.22 -10.92	71.95 3.49 -16.34	86.07 4.11 -25.69	106.55 4.52 -44.77	99.93 4.52 -38.84	88.98 4.33 -28.39	84.21 3.89 -29.11	77.90 3.47 -28.23	63.31 2.94 -17.72	67.68 2.64 -21.78

E179THST_138_KV_TB4_REV_LBMP_J 345001	88.11 4.82 -27.20	85.66 4.12 -33.60	80.85 4.24 -27.27	80.73 4.03 -30.34	83.72 4.13 -32.10	87.71 4.95 -27.77	113.63 5.30 -49.44	123.58 5.34 -60.82	113.18 5.78 -46.59	93.35 5.12 -33.71	75.03 5.18 -13.52	69.90 4.79 -11.93	67.59 4.41 -13.69	65.85 4.38 -11.68	66.12 4.31 -12.26	74.59 4.64 -17.82	88.89 5.23 -27.39	121.10 5.61 -58.23	118.19 5.54 -56.08	91.62 5.46 -29.90	86.92 4.92 -30.80	79.67 4.34 -29.12	64.74 3.84 -18.26	69.29 3.59 -22.43
E179THST_13_KV_LOAD 356214	88.34 5.05 -27.20	85.85 4.31 -33.60	80.99 4.39 -27.27	80.86 4.17 -30.34	83.86 4.27 -32.10	87.87 5.11 -27.77	113.92 5.59 -49.44	123.87 5.63 -60.82	113.48 6.08 -46.59	93.62 5.40 -33.71	75.31 5.46 -13.52	70.16 5.05 -11.93	67.84 4.65 -13.69	66.10 4.63 -11.68	66.37 4.56 -12.26	74.85 4.90 -17.82	89.17 5.51 -27.39	121.39 5.90 -58.23	118.47 5.83 -56.08	91.91 5.74 -29.90	87.17 5.17 -30.80	79.90 4.57 -29.12	64.95 4.05 -18.26	69.51 3.81 -22.43
EAST HAMPTON___GT 23717	111.96 7.96 -47.90	102.36 6.71 -47.71	95.82 6.76 -39.72	92.17 6.40 -39.42	100.21 6.65 -46.07	111.20 7.64 -48.56	116.78 8.48 -49.41	143.09 8.67 -77.00	130.49 9.00 -60.68	114.29 8.12 -51.64	103.32 9.18 -37.80	95.72 8.56 -33.97	81.32 7.72 -24.10	79.44 7.72 -21.92	97.28 7.93 -39.79	103.35 8.34 -42.89	130.17 8.84 -65.06	158.93 9.51 -92.16	159.60 9.28 -93.76	151.54 8.72 -86.56	123.33 7.83 -64.29	109.91 7.44 -56.26	86.30 7.03 -36.63	79.02 6.83 -28.92
EAST RIVER___6 23660	88.16 4.88 -27.19	85.65 4.12 -33.59	80.74 4.14 -27.26	80.62 3.94 -30.33	83.61 4.03 -32.09	87.59 4.84 -27.76	114.25 5.77 -49.58	132.69 5.80 -69.47	148.09 6.32 -80.95	140.12 5.62 -79.99	100.18 5.46 -38.39	99.94 5.11 -41.65	94.24 4.70 -40.03	93.20 4.68 -38.73	85.38 4.61 -31.22	93.52 4.95 -36.44	106.59 5.57 -44.75	119.95 5.95 -56.74	115.80 5.83 -53.42	99.21 5.68 -37.26	96.16 5.12 -39.84	80.35 4.58 -29.58	65.15 4.01 -18.50	69.55 3.63 -22.65
EAST RIVER___7 23524	88.16 4.88 -27.19	85.65 4.12 -33.59	80.74 4.14 -27.26	80.62 3.94 -30.33	83.61 4.03 -32.09	87.59 4.84 -27.76	114.25 5.77 -49.58	132.69 5.80 -69.47	148.09 6.32 -80.95	140.12 5.62 -79.99	100.18 5.46 -38.39	99.94 5.11 -41.65	94.24 4.70 -40.03	93.20 4.68 -38.73	85.38 4.61 -31.22	93.52 4.95 -36.44	106.59 5.57 -44.75	119.95 5.95 -56.74	115.80 5.83 -53.42	99.21 5.68 -37.26	96.16 5.12 -39.84	80.35 4.58 -29.58	65.15 4.01 -18.50	69.55 3.63 -22.65
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	87.46 4.26 -27.11	85.02 3.60 -33.49	80.16 3.65 -27.18	80.02 3.43 -30.24	82.99 3.51 -31.99	86.90 4.23 -27.67	113.11 4.95 -49.27	122.87 5.00 -60.46	112.37 5.41 -46.15	92.52 4.80 -33.20	74.33 4.68 -13.33	69.21 4.31 -11.71	67.00 4.01 -13.49	65.21 3.93 -11.48	65.52 3.87 -12.10	73.95 4.17 -17.65	88.14 4.67 -27.20	111.13 5.10 -48.78	105.17 5.03 -43.57	90.82 4.89 -29.66	86.13 4.40 -30.52	79.15 3.93 -29.02	64.25 3.41 -18.20	68.78 3.16 -22.36
EAST_HAMPTON___DIESEL 23722	111.96 7.96 -47.90	102.31 6.66 -47.71	95.82 6.76 -39.72	92.17 6.40 -39.42	100.16 6.60 -46.07	111.20 7.64 -48.56	116.78 8.48 -49.41	143.09 8.67 -77.00	130.49 9.00 -60.68	114.29 8.12 -51.64	103.32 9.18 -37.80	95.72 8.56 -33.97	81.32 7.72 -24.10	79.44 7.72 -21.92	97.28 7.93 -39.79	103.35 8.34 -42.89	130.17 8.84 -65.06	158.93 9.51 -92.16	159.60 9.28 -93.76	151.54 8.72 -86.56	123.33 7.83 -64.29	109.86 7.39 -56.26	86.30 7.03 -36.63	79.02 6.83 -28.92
EAST_PULASKI___ESR 323781	57.31 -0.79 -2.00	49.70 -0.72 -2.47	50.60 -0.74 -2.01	47.89 -0.70 -2.23	49.18 -0.66 -2.36	56.60 -0.44 -2.04	62.29 -0.24 -3.64	61.66 -0.17 -4.42	63.68 -0.36 -3.23	56.35 -0.38 -2.21	56.49 -0.73 -0.90	53.04 -0.90 -0.76	49.46 -0.94 -0.90	49.55 -1.00 -0.75	49.49 -0.89 -0.83	52.48 -0.89 -1.24	57.48 -0.73 -1.94	60.33 -0.29 -3.35	59.06 -0.40 -2.89	57.73 -0.68 -2.14	52.63 -0.77 -2.20	47.65 -0.69 -2.14	43.13 -0.85 -1.34	44.18 -0.74 -1.65
EAST_RIVER___1 323558	87.99 4.71 -27.19	85.56 4.03 -33.59	80.59 3.99 -27.26	80.48 3.80 -30.33	83.47 3.89 -32.09	87.42 4.67 -27.76	114.01 5.53 -49.58	132.46 5.57 -69.47	147.78 6.02 -80.95	139.85 5.35 -79.99	99.90 5.18 -38.39	99.67 4.84 -41.65	93.99 4.46 -40.03	92.96 4.43 -38.73	85.13 4.36 -31.22	93.26 4.69 -36.44	106.25 5.23 -44.75	119.67 5.67 -56.74	115.52 5.55 -53.42	98.98 5.46 -37.26	95.96 4.92 -39.84	80.12 4.34 -29.58	65.02 3.88 -18.50	69.42 3.50 -22.65
EAST_RIVER___2 323559	88.16 4.88 -27.19	85.65 4.12 -33.59	80.74 4.14 -27.26	80.62 3.94 -30.33	83.61 4.03 -32.09	87.59 4.84 -27.76	114.25 5.77 -49.58	132.69 5.80 -69.47	148.09 6.32 -80.95	140.12 5.62 -79.99	100.18 5.46 -38.39	99.94 5.11 -41.65	94.24 4.70 -40.03	93.20 4.68 -38.73	85.38 4.61 -31.22	93.52 4.95 -36.44	106.59 5.57 -44.75	119.95 5.95 -56.74	115.80 5.83 -53.42	99.21 5.68 -37.26	96.16 5.12 -39.84	80.35 4.58 -29.58	65.15 4.01 -18.50	69.55 3.63 -22.65
EAST___DELAWARE_HYD 23607	84.12 3.48 -24.55	81.14 2.88 -30.32	76.85 2.91 -24.61	76.47 2.73 -27.38	79.31 2.85 -28.97	83.52 3.47 -25.06	107.86 4.36 -44.61	115.83 4.25 -54.17	104.87 4.44 -39.62	85.27 3.60 -27.16	70.60 3.27 -11.00	65.44 2.92 -9.34	61.92 1.34 -11.09	60.32 1.29 -9.24	60.99 1.29 -10.15	68.93 1.62 -15.19	82.41 2.25 -23.89	101.33 2.81 -41.27	95.02 2.83 -35.64	85.28 2.64 -26.37	81.88 3.64 -27.04	75.64 3.19 -26.25	61.84 2.60 -16.59	65.86 2.21 -20.39
EIGHT_POINT___WT_PWR 323820	59.77 -1.91 -5.59	53.31 -1.54 -6.90	53.31 -1.63 -5.60	51.06 -1.53 -6.23	52.56 -1.52 -6.59	59.93 -0.77 -5.70	68.86 -0.18 -10.15	76.94 -0.80 -20.33	79.48 -1.22 -19.89	59.22 -1.36 -6.06	52.46 -2.53 1.33	56.91 -2.55 -6.28	45.40 -2.62 1.48	45.84 -2.74 1.22	45.53 -2.68 1.35	47.34 -2.60 2.18	53.24 -1.86 1.18	53.74 -1.60 1.91	69.40 -1.64 -14.48	60.20 -1.91 -5.85	47.98 -1.89 1.33	42.85 -1.94 1.41	39.90 -2.00 0.73	40.41 -1.95 0.91
ELBRIDGE_115KV_TB2 80188	58.14 -0.90 -2.95	50.82 -0.77 -3.64	51.50 -0.79 -2.95	48.90 -0.74 -3.29	50.25 -0.71 -3.48	57.56 -0.44 -3.01	64.07 -0.18 -5.36	63.75 -0.17 -6.50	65.26 -0.30 -4.76	57.39 -0.38 -3.26	56.91 -0.73 -1.32	53.45 -0.85 -1.12	49.99 -0.84 -1.33	49.96 -0.95 -1.11	49.93 -0.84 -1.22	53.06 -0.89 -1.82	58.34 -0.79 -2.85	61.85 -0.34 -4.93	60.42 -0.40 -4.26	58.68 -0.73 -3.15	53.67 -0.77 -3.23	48.62 -0.74 -3.15	43.80 -0.81 -1.97	45.00 -0.69 -2.42
ELEC_TRO_TEK 24086	109.16 5.16 -47.90	100.06 4.41 -47.71	93.50 4.44 -39.72	89.99 4.22 -39.42	97.88 4.32 -46.07	108.73 5.17 -48.56	114.25 5.95 -49.41	140.39 5.97 -77.00	127.94 6.45 -60.68	111.89 5.72 -51.64	99.71 5.58 -37.80	92.37 5.21 -33.97	78.40 4.80 -24.10	76.50 4.78 -21.92	94.06 4.71 -39.79	100.07 5.06 -42.89	126.96 5.63 -65.06	155.49 6.07 -92.16	156.32 6.00 -93.76	148.68 5.85 -86.56	120.77 5.27 -64.29	107.18 4.71 -56.26	83.22 4.14 -36.44	75.80 3.85 -28.68
ELLENBURG_WT_PWR 323604	54.80 -1.29 0.00	46.79 -1.15 0.00	48.30 -1.04 0.00	45.20 -1.16 0.00	46.06 -1.42 0.00	52.69 -2.31 0.00	55.65 -3.24 0.00	54.43 -2.99 0.00	57.52 -3.28 0.00	51.63 -2.89 0.00	53.74 -2.59 0.00	51.00 -2.18 0.00	47.77 -1.73 0.00	48.20 -1.60 0.00	48.02 -1.54 0.00	50.51 -1.62 0.00	54.08 -2.20 0.00	54.34 -2.92 0.00	53.34 -3.22 0.00	53.06 -3.20 0.00	48.23 -2.97 0.00	0.30 -2.82 43.08	0.24 -2.56 39.84	41.28 -1.99 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	54.90 -5.50 -4.30	48.75 -4.51 -5.31	48.91 -4.74 -4.31	46.75 -4.40 -4.80	48.05 -4.51 -5.08	55.32 -4.07 -4.39	62.70 -4.00 -7.82	58.41 -4.71 -5.70	58.75 -5.23 -3.17	53.47 -4.80 -3.75	51.00 -5.86 -0.53	47.84 -5.80 -0.45	44.56 -5.44 -0.50	44.54 -5.68 -0.42	44.57 -5.45 -0.46	46.92 -5.84 -0.63	51.55 -6.19 -1.46	54.23 -5.61 -2.58	50.29 -5.54 0.73	50.55 -6.02 -0.31	47.18 -5.68 -1.66	42.90 -4.94 -1.64	39.01 -4.69 -1.05	40.19 -4.37 -1.29
EMPIRE_CC_1 323656	90.82 2.36 -32.37	89.99 2.06 -39.99	83.91 2.12 -32.45	84.46 1.99 -36.11	87.74 2.04 -38.21	90.46 2.42 -33.05	119.96 2.24 -58.84	130.92 2.06 -71.44	115.56 2.49 -52.26	92.65 2.29 -35.84	73.16 2.31 -14.52	67.69 2.18 -12.32	66.26 2.13 -14.63	64.17 2.19 -12.19	65.13 2.18 -13.40	74.31 2.14 -20.05	89.93 2.14 -31.52	113.84 2.12 -54.46	105.68 2.09 -47.03	93.15 2.08 -34.80	88.78 1.90 -35.68	82.62 1.80 -34.62	66.07 1.71 -21.72	71.69 1.73 -26.69
EMPIRE_CC_2 323658	90.82 2.36 -32.37	89.99 2.06 -39.99	83.91 2.12 -32.45	84.46 1.99 -36.11	87.74 2.04 -38.21	90.46 2.42 -33.05	119.96 2.24 -58.84	130.92 2.06 -71.44	115.56 2.49 -52.26	92.65 2.29 -35.84	73.16 2.31 -14.52	67.69 2.18 -12.32	66.26 2.13 -14.63	64.17 2.19 -12.19	65.13 2.18 -13.40	74.31 2.14 -20.05	89.93 2.14 -31.52	113.84 2.12 -54.46	105.68 2.09 -47.03	93.15 2.08 -34.80	88.78 1.90 -35.68	82.62 1.80 -34.62	66.07 1.71 -21.72	71.69 1.73 -26.69
ENORWICH_115KV_TB1 80156	69.89 5.27 -8.53	62.89 4.41 -10.53	62.33 4.44 -8.55	60.13 4.26 -9.51	62.01 4.46 -10.06	69.75 6.05 -8.70	81.69 7.30 -15.50	84.07 7.58 -19.07	82.63 7.60 -14.22	70.02 6.16 -9.34	67.59 5.29 -5.97	61.14 4.52 -3.44	59.40 3.81 -6.09	58.60 3.73 -5.07	58.84 3.72 -5.57	65.04 4.48 -8.43	74.57 5.85 -12.44	85.49 6.81 -21.42	79.73 6.33 -16.83	75.28 6.02 -13.00	70.25 4.97 -14.08	64.10 4.16 -13.74	54.54 3.37 -8.53	57.13 3.37 -10.49
ERIE_ST__34_KV_TB1-2 80199	54.81 -5.72 -4.44	48.73 -4.70 -5.48	48.85 -4.93 -4.45	46.71 -4.59 -4.95	48.02 -4.70 -5.24	55.23 -4.29 -4.53	62.83 -4.12 -8.06	59.26 -4.48 -6.32	59.65 -4.86 -3.71	54.02 -4.47 -3.97	51.38 -5.52 -0.57	48.46 -5.32 -0.59	45.04 -5.00 -0.54	45.56 -4.68 -0.45	45.39 -4.66 -0.49	48.32 -4.48 -0.68	53.31 -4.50 -1.54	54.58 -5.38 -2.70	51.21 -5.15 0.20	52.67 -4.16 -0.57	49.10 -3.84 -1.74	43.97 -3.97 -1.74	39.83 -3.92 -1.11	40.13 -4.50 -1.36
ERIE_WT_PWR 323693	55.15 -5.33 -4.39	49.00 -4.36 -5.42	49.15 -4.59 -4.40	46.99 -4.26 -4.90	48.30 -4.37 -5.18	55.57 -3.90 -4.48	63.04 -3.83 -7.97	59.06 -4.37 -6.00	59.38 -4.81 -3.38	54.05 -4.36 -3.90	51.29 -5.58 -0.54	48.20 -5.48 -0.49	44.81 -5.20 -0.51	45.00 -5.23 -0.43	44.87 -5.15 -0.47	47.45 -5.32 -0.64	52.12 -5.57 -1.42	54.33 -5.44 -2.51	51.14 -5.32 0.10	51.37 -5.46 -0.57	47.85 -4.97 -1.61	43.20 -4.58 -1.57	39.48 -4.18 -1.01	40.27 -4.24 -1.24
ESPRGFLD_115KV_TB1 80157	59.11 2.58 -0.44	50.69 2.21 -0.54	52.00 2.22 -0.44	48.93 2.09 -0.49	50.28 2.28 -0.52	58.52 3.08 -0.45	63.63 3.95 -0.80	62.47 4.08 -0.97	65.65 4.13 -0.71	58.39 3.38 -0.49	59.46 2.93 -0.20	55.91 2.55 -0.17	51.88 2.18 -0.20	52.10 2.14 -0.17	51.87 2.13 -0.18	55.06 2.66 -0.28	60.15 3.43 -0.45	62.04 4.01 -0.77	61.13 3.90 -0.67	60.41 3.66 -0.49	54.73 3.02 -0.51	49.17 2.50 -0.47	45.00 2.05 -0.31	45.42 1.77 -0.38
ETNA_115_KV_TB1_REV_LBMP_C 345029	63.17 0.95 -6.13	56.32 0.82 -7.57	56.32 0.84 -6.14	53.97 0.79 -6.83	55.57 0.85 -7.23	62.79 1.54 -6.25	72.20 2.18 -11.13	73.66 2.18 -14.06	73.64 2.13 -10.71	62.85 1.64 -6.69	65.01 1.13 -7.55	56.64 0.80 -2.66	57.87 0.59 -7.78	56.81 0.55 -6.47	57.26 0.59 -7.11	63.81 0.83 -10.85	72.85 1.41 -15.17	85.23 1.95 -26.02	76.72 1.87 -18.29	72.72 1.58 -14.88	69.59 1.23 -17.16	64.07 0.97 -16.90	53.59 0.60 -10.35	56.69 0.69 -12.73
ETNA____115KV_TB2 80207	63.17 0.95 -6.13	56.32 0.82 -7.57	56.32 0.84 -6.14	53.97 0.79 -6.83	55.57 0.85 -7.23	62.79 1.54 -6.25	72.20 2.18 -11.13	73.66 2.18 -14.06	73.64 2.13 -10.71	62.85 1.64 -6.69	65.01 1.13 -7.55	56.64 0.80 -2.66	57.87 0.59 -7.78	56.81 0.55 -6.47	57.26 0.59 -7.11	63.81 0.83 -10.85	72.85 1.41 -15.17	85.23 1.95 -26.02	76.72 1.87 -18.29	72.72 1.58 -14.88	69.59 1.23 -17.16	64.07 0.97 -16.90	53.59 0.60 -10.35	56.69 0.69 -12.73
EUCLID___115KV_TB2 356179	57.13 -1.29 -2.33	49.72 -1.10 -2.88	50.54 -1.13 -2.34	47.89 -1.07 -2.60	49.20 -1.04 -2.75	56.50 -0.88 -2.38	62.42 -0.71 -4.24	61.82 -0.75 -5.15	63.72 -0.85 -3.77	56.28 -0.82 -2.58	56.25 -1.13 -1.05	52.85 -1.22 -0.89	49.36 -1.19 -1.05	49.43 -1.24 -0.88	49.33 -1.19 -0.96	52.26 -1.30 -1.44	57.29 -1.24 -2.26	60.30 -0.86 -3.90	59.02 -0.90 -3.37	57.57 -1.18 -2.49	52.58 -1.18 -2.55	47.64 -1.06 -2.49	43.09 -1.11 -1.56	44.19 -1.00 -1.92
E_CANADA_CAP_HY 24051	98.61 2.69 -39.82	99.53 2.40 -49.19	91.67 2.42 -39.92	93.05 2.27 -44.42	96.91 2.42 -47.00	99.00 3.36 -40.65	135.51 4.24 -72.38	149.48 4.19 -87.87	129.41 4.32 -64.28	102.03 3.44 -44.07	77.23 3.04 -17.86	70.99 2.66 -15.15	69.82 2.33 -17.99	67.08 2.29 -14.99	68.31 2.28 -16.47	79.70 2.92 -24.66	98.69 3.66 -38.77	128.47 4.24 -66.97	118.58 4.19 -57.84	103.00 3.94 -42.80	98.41 3.33 -43.88	91.56 2.77 -42.58	71.68 2.30 -26.73	78.06 1.95 -32.85
E_CANADA_MHWK_HY 24050	59.01 2.91 0.00	50.39 2.44 0.00	51.75 2.42 0.00	48.62 2.27 0.00	49.86 2.37 0.00	57.96 2.97 0.00	62.19 3.30 0.00	60.69 3.27 0.00	64.33 3.53 0.00	57.73 3.22 0.00	59.48 3.15 0.00	56.11 2.92 0.00	52.17 2.67 0.00	52.48 2.69 0.00	52.18 2.62 0.00	54.83 2.71 0.00	59.25 2.98 0.00	60.41 3.15 0.00	59.44 2.88 0.00	59.13 2.87 0.00	53.66 2.46 0.00	48.38 2.17 0.00	44.60 1.96 0.00	45.17 1.90 0.00
E_FISHKILL___LBMP 23776	87.81 3.70 -28.02	85.71 3.16 -34.61	80.63 3.21 -28.09	80.62 3.01 -31.25	83.64 3.09 -33.07	87.28 3.68 -28.60	114.05 4.24 -50.92	123.43 4.25 -61.76	110.44 4.62 -45.01	89.36 4.14 -30.70	72.94 4.06 -12.56	67.56 3.72 -10.65	65.62 3.46 -12.65	63.77 3.44 -10.54	64.51 3.37 -11.58	73.11 3.65 -17.34	87.58 4.05 -27.26	107.96 4.41 -46.29	100.46 4.30 -39.60	90.52 4.22 -30.04	85.78 3.79 -30.79	79.58 3.42 -29.95	64.51 3.07 -18.80	69.18 2.81 -23.10
FALCON___SEABRD_CC1 323796	55.48 -0.62 0.00	47.32 -0.62 0.00	48.89 -0.44 0.00	45.75 -0.60 0.00	46.63 -0.85 0.00	53.35 -1.65 0.00	56.06 -2.83 0.00	54.89 -2.53 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.13 -2.20 0.00	51.38 -1.81 0.00	48.06 -1.44 0.00	48.50 -1.29 0.00	48.32 -1.24 0.00	50.87 -1.25 0.00	54.47 -1.80 0.00	54.80 -2.46 0.00	53.79 -2.77 0.00	53.45 -2.81 0.00	48.54 -2.66 0.00	0.18 -2.54 43.48	0.09 -2.35 40.21	41.75 -1.52 0.00
FALCON___SEABRD_CC2 323797	55.48 -0.62 0.00	47.32 -0.62 0.00	48.89 -0.44 0.00	45.75 -0.60 0.00	46.63 -0.85 0.00	53.35 -1.65 0.00	56.06 -2.83 0.00	54.89 -2.53 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.13 -2.20 0.00	51.38 -1.81 0.00	48.06 -1.44 0.00	48.50 -1.29 0.00	48.32 -1.24 0.00	50.87 -1.25 0.00	54.47 -1.80 0.00	54.80 -2.46 0.00	53.79 -2.77 0.00	53.45 -2.81 0.00	48.54 -2.66 0.00	0.18 -2.54 43.48	0.09 -2.35 40.21	41.75 -1.52 0.00

FAR ROCKAWAY___4 23548	110.00 6.00 -47.90	100.73 5.08 -47.71	94.19 5.13 -39.72	90.64 4.87 -39.42	98.55 4.99 -46.07	109.50 5.94 -48.56	115.13 6.83 -49.41	141.31 6.89 -77.00	128.85 7.36 -60.68	112.71 6.54 -51.64	100.50 6.37 -37.80	93.06 5.90 -33.97	78.99 5.40 -24.10	77.10 5.38 -21.92	94.70 5.35 -39.79	100.70 5.68 -42.89	127.75 6.42 -65.06	156.47 7.04 -92.16	157.22 6.90 -93.76	149.58 6.75 -86.56	121.54 6.04 -64.29	107.83 5.36 -56.26	83.73 4.65 -36.44	76.32 4.37 -28.68
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	88.05 4.77 -27.19	85.60 4.08 -33.59	80.69 4.09 -27.26	80.53 3.85 -30.33	83.57 3.99 -32.09	87.48 4.73 -27.76	114.13 5.65 -49.59	133.01 5.68 -69.91	149.55 6.08 -82.66	142.20 5.40 -82.29	101.25 5.29 -39.63	101.21 4.89 -43.13	95.40 4.55 -41.34	94.35 4.48 -40.07	86.12 4.41 -32.16	94.24 4.74 -37.37	107.17 5.29 -45.61	120.09 5.73 -57.11	116.09 5.66 -53.88	99.41 5.51 -37.63	96.47 4.97 -40.30	80.24 4.44 -29.60	64.84 3.88 -18.32	69.28 3.59 -22.42
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	88.05 4.77 -27.19	85.60 4.08 -33.59	80.69 4.09 -27.26	80.53 3.85 -30.33	83.57 3.99 -32.09	87.48 4.73 -27.76	114.13 5.65 -49.59	132.95 5.63 -69.91	149.55 6.08 -82.66	142.20 5.40 -82.29	101.20 5.24 -39.63	101.21 4.89 -43.13	95.35 4.50 -41.34	94.35 4.48 -40.07	86.12 4.41 -32.16	94.24 4.74 -37.37	107.17 5.29 -45.61	120.09 5.73 -57.11	116.04 5.60 -53.88	99.41 5.51 -37.63	96.47 4.97 -40.30	80.24 4.44 -29.60	64.84 3.88 -18.32	69.28 3.59 -22.42
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.48 3.80 -30.33	83.52 3.94 -32.09	87.42 4.67 -27.76	114.02 5.54 -49.59	132.89 5.57 -69.91	149.49 6.02 -82.66	142.15 5.34 -82.29	101.14 5.18 -39.63	101.10 4.79 -43.13	95.30 4.45 -41.34	94.30 4.43 -40.07	86.07 4.36 -32.16	94.18 4.69 -37.37	107.12 5.23 -45.61	120.04 5.67 -57.11	115.98 5.54 -53.88	99.35 5.46 -37.63	96.36 4.86 -40.30	80.15 4.34 -29.60	64.80 3.84 -18.32	69.19 3.50 -22.42
FARRAGUT___LBMP 323566	87.99 4.71 -27.19	85.51 3.98 -33.59	80.59 4.00 -27.26	80.48 3.80 -30.33	83.47 3.89 -32.09	87.42 4.67 -27.76	114.02 5.54 -49.59	132.84 5.51 -69.91	149.43 5.96 -82.66	142.09 5.29 -82.29	101.08 5.13 -39.63	101.10 4.79 -43.13	95.25 4.41 -41.34	94.25 4.38 -40.07	86.03 4.31 -32.16	94.13 4.64 -37.37	107.06 5.18 -45.61	119.98 5.61 -57.11	115.92 5.49 -53.88	99.30 5.40 -37.63	96.31 4.81 -40.30	80.15 4.34 -29.60	64.76 3.80 -18.32	69.19 3.50 -22.42
FENNER___WINDPWR 24204	60.78 1.34 -3.34	53.22 1.15 -4.13	53.87 1.18 -3.35	51.19 1.11 -3.73	52.62 1.19 -3.95	60.17 1.76 -3.41	67.15 2.18 -6.08	67.03 2.24 -7.38	68.52 2.31 -5.40	60.07 1.85 -3.70	60.27 1.52 -2.42	55.68 1.22 -1.27	52.96 0.99 -2.47	52.85 1.00 -2.06	52.81 0.99 -2.26	56.75 1.20 -3.43	62.93 1.63 -5.03	67.86 1.95 -8.65	64.79 1.81 -6.42	62.98 1.63 -5.08	58.22 1.33 -5.69	52.84 1.06 -5.57	46.95 0.85 -3.45	48.42 0.91 -4.24
FIBERTEK___ENERGY 23856	58.26 -0.62 -2.78	50.90 -0.48 -3.44	51.63 -0.49 -2.79	49.00 -0.46 -3.11	50.30 -0.47 -3.29	57.67 -0.16 -2.84	64.07 0.12 -5.06	63.73 0.17 -6.14	65.42 0.12 -4.49	57.59 0.00 -3.08	57.24 -0.34 -1.25	53.76 -0.48 -1.06	50.21 -0.54 -1.26	50.24 -0.60 -1.05	50.16 -0.55 -1.15	53.27 -0.57 -1.72	58.58 61.92 -2.70	61.92 0.00 -4.66	60.53 -0.06 -4.02	58.90 -0.34 -2.98	53.80 -0.46 -3.05	48.77 -0.42 -2.98	43.91 -0.60 -1.86	45.08 -0.48 -2.29
FITZPATRICK___ 23598	55.65 -2.07 -1.64	48.19 -1.77 -2.02	49.15 -1.82 -1.64	46.46 -1.71 -1.82	47.66 -1.76 -1.93	54.90 -1.76 -1.67	60.10 -1.77 -2.97	59.31 -1.72 -3.61	61.56 -1.89 -2.64	54.58 -1.75 -1.81	55.04 -2.03 -0.73	51.78 -2.02 -0.62	48.36 -1.88 -0.74	48.47 -1.94 -0.62	48.35 -1.88 -0.68	51.10 -2.03 -1.01	55.78 -2.08 -1.59	58.23 -1.78 -2.74	57.12 -1.81 -2.37	55.93 -2.08 -1.75	51.05 -1.95 -1.80	46.20 -1.76 -1.75	42.16 -1.58 -1.10	43.01 -1.60 -1.35
FLOWRFLD_69_KV_BK1 356044	110.39 6.39 -47.90	101.11 5.47 -47.71	94.54 5.48 -39.72	90.97 5.19 -39.42	98.83 5.27 -46.07	109.83 6.27 -48.56	115.36 7.07 -49.41	141.66 7.23 -77.00	129.16 7.66 -60.68	112.92 6.76 -51.64	101.29 7.15 -37.80	93.80 6.65 -33.97	79.69 6.09 -24.10	77.79 6.08 -21.92	95.49 6.14 -39.79	101.58 6.57 -42.89	128.54 7.20 -65.06	156.98 7.56 -92.16	157.73 7.41 -93.76	150.08 7.26 -86.56	122.00 6.50 -64.29	108.47 6.01 -56.26	84.54 5.46 -36.44	77.11 5.15 -28.69
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	87.87 4.54 -27.24	85.38 3.79 -33.65	80.54 3.90 -27.31	80.45 3.71 -30.38	83.39 3.75 -32.15	87.31 4.51 -27.81	113.87 5.48 -49.50	122.86 5.34 -60.11	110.49 5.72 -43.97	89.50 4.85 -30.13	73.21 4.68 -12.21	67.80 4.25 -10.36	65.71 3.91 -12.30	63.88 3.83 -10.25	64.63 3.82 -11.26	73.15 4.17 -16.86	87.62 4.84 -26.50	108.43 5.38 -45.79	101.47 5.37 -39.54	90.70 5.18 -29.26	85.81 4.61 -30.00	79.40 4.07 -29.13	64.25 3.33 -18.28	68.76 3.03 -22.47
FORT ORANGE___ 23900	91.61 2.19 -33.34	91.04 1.92 -41.18	84.83 2.07 -33.42	85.44 1.90 -37.18	88.73 1.90 -39.34	91.33 2.31 -34.03	122.00 2.53 -60.58	133.10 2.13 -73.56	116.93 2.31 -53.81	93.43 2.02 -36.90	73.47 2.19 -14.95	67.89 2.02 -12.68	66.44 1.88 -15.06	64.24 1.89 -12.55	65.28 1.93 -13.79	74.64 1.87 -20.64	90.64 1.91 -32.45	115.10 1.78 -56.06	106.73 1.76 -48.41	93.83 1.75 -35.82	89.57 1.64 -36.73	83.51 1.66 -35.64	66.51 1.49 -22.37	72.66 1.90 -27.49
FORT_DRUM_COGEN 23780	58.24 0.73 -1.42	50.22 0.53 -1.75	51.25 0.49 -1.42	48.40 0.46 -1.58	49.73 0.57 -1.67	57.37 0.93 -1.45	62.82 1.35 -2.57	62.04 1.49 -3.12	64.37 1.28 -2.29	56.96 0.87 -1.57	57.30 0.34 -0.63	53.72 0.00 -0.54	49.94 -0.20 -0.64	50.13 -0.20 -0.53	49.99 -0.15 -0.59	53.26 0.26 -0.88	58.43 0.79 -1.37	60.89 1.26 -2.37	59.57 0.96 -2.05	58.51 0.73 -1.51	53.11 0.36 -1.55	49.71 0.14 -3.37	45.18 -0.13 -2.66	44.56 0.13 -1.16
FOX_HILLS___ESR 323835	88.39 5.10 -27.20	85.85 4.31 -33.60	80.90 4.29 -27.27	80.73 4.03 -30.34	83.77 4.18 -32.10	87.71 4.95 -27.77	114.06 5.54 -49.63	135.06 5.63 -72.01	157.81 6.08 -90.92	153.27 5.34 -93.41	111.05 5.41 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.67 5.51 -52.89	127.68 6.07 -64.35	230.17 6.00 -167.61	121.40 5.85 -59.29	115.47 5.27 -58.99	80.54 4.62 -29.71	65.03 4.05 -18.34	69.51 3.81 -22.43
FPL_FAR_ROCK_GT1 24212	110.00 6.00 -47.90	100.68 5.03 -47.71	94.19 5.13 -39.72	90.59 4.82 -39.42	98.50 4.94 -46.07	109.44 5.89 -48.56	115.13 6.83 -49.41	141.31 6.89 -77.00	128.85 7.35 -60.68	112.70 6.54 -51.64	100.44 6.31 -37.80	93.06 5.90 -33.97	78.99 5.40 -24.10	77.10 5.38 -21.92	94.65 5.31 -39.79	100.70 5.68 -42.89	127.75 6.41 -65.06	156.40 6.98 -92.16	157.22 6.90 -93.76	149.57 6.75 -86.56	121.58 6.09 -64.29	107.83 5.36 -56.26	83.95 4.69 -36.62	76.54 4.37 -28.91
FPL_FAR_ROCK_GT2 23815	110.00 6.00 -47.90	100.68 5.03 -47.71	94.19 5.13 -39.72	90.59 4.82 -39.42	98.50 4.94 -46.07	109.44 5.89 -48.56	115.13 6.83 -49.41	141.31 6.89 -77.00	128.85 7.35 -60.68	112.70 6.54 -51.64	100.44 6.31 -37.80	93.06 5.90 -33.97	78.99 5.40 -24.10	77.10 5.38 -21.92	94.65 5.31 -39.79	100.70 5.68 -42.89	127.75 6.41 -65.06	156.40 6.98 -92.16	157.22 6.90 -93.76	149.57 6.75 -86.56	121.58 6.09 -64.29	107.83 5.36 -56.26	83.95 4.69 -36.62	76.54 4.37 -28.91

FRANKLIN_FALL_HYD 24054	55.31 -0.79 0.00	47.18 -0.77 0.00	48.74 -0.59 0.00	45.66 -0.70 0.00	46.63 -0.85 0.00	53.18 -1.81 0.00	56.53 -2.36 0.00	55.41 -2.01 0.00	58.56 -2.25 0.00	52.61 -1.91 0.00	54.64 -1.69 0.00	51.75 -1.44 0.00	48.36 -1.14 0.00	48.80 -1.00 0.00	48.56 -0.99 0.00	51.18 -0.94 0.00	54.92 -1.35 0.00	55.26 -2.00 0.00	54.41 -2.15 0.00	54.01 -2.25 0.00	49.21 -2.00 0.00	73.99 -2.03 -29.82	68.51 -1.66 -27.54	42.01 -1.25 0.00
FREEPORT_EQUS_GT1 23764	109.66 5.66 -47.90	100.44 4.79 -47.71	93.90 4.84 -39.72	90.36 4.59 -39.42	98.26 4.70 -46.07	109.17 5.61 -48.56	114.83 6.54 -49.41	140.97 6.54 -77.00	128.48 6.99 -60.68	112.32 6.16 -51.64	100.16 6.03 -37.80	92.79 5.63 -33.97	78.75 5.15 -24.10	76.85 5.13 -21.92	94.41 5.06 -39.79	100.44 5.42 -42.89	127.47 6.13 -65.06	156.06 6.64 -92.16	156.88 6.56 -93.76	149.24 6.41 -86.56	121.23 5.73 -64.29	107.55 5.08 -56.26	83.78 4.52 -36.62	76.38 4.20 -28.91
FREEPORT___CT2 23818	109.66 5.66 -47.90	100.44 4.79 -47.71	93.90 4.84 -39.72	90.36 4.59 -39.42	98.26 4.70 -46.07	109.17 5.61 -48.56	114.83 6.54 -49.41	140.97 6.54 -77.00	128.48 6.99 -60.68	112.32 6.16 -51.64	100.16 6.03 -37.80	92.79 5.63 -33.97	78.75 5.15 -24.10	76.85 5.13 -21.92	94.41 5.06 -39.79	100.44 5.42 -42.89	127.47 6.13 -65.06	156.06 6.64 -92.16	156.88 6.56 -93.76	149.24 6.41 -86.56	121.23 5.73 -64.29	107.55 5.08 -56.26	83.78 4.52 -36.62	76.38 4.20 -28.91
FRESHKLS_33_KV_LOAD 356253	88.28 4.99 -27.20	85.81 4.27 -33.60	80.80 4.19 -27.27	80.68 3.99 -30.34	83.67 4.08 -32.10	87.60 4.84 -27.77	113.88 5.36 -49.63	134.89 5.45 -72.01	157.63 5.90 -90.92	153.11 5.18 -93.41	110.89 5.24 -49.32	95.34 4.79 -37.37	95.24 4.41 -41.34	100.75 4.38 -46.58	90.58 4.31 -36.72	98.66 4.69 -41.85	114.56 5.40 -52.89	127.57 5.96 -64.35	230.11 5.94 -167.61	121.35 5.80 -59.29	115.37 5.17 -58.99	80.44 4.53 -29.71	64.90 3.92 -18.34	69.42 3.72 -22.43
FULTON COGEN____ 23766	56.87 -1.40 -2.18	49.49 -1.15 -2.70	50.34 -1.18 -2.19	47.68 -1.11 -2.44	48.92 -1.14 -2.58	56.23 -0.99 -2.23	62.09 -0.77 -3.97	61.49 -0.75 -4.82	63.48 -0.85 -3.52	56.06 -0.87 -2.41	56.12 -1.18 -0.98	52.74 -1.28 -0.83	49.25 -1.24 -0.99	49.32 -1.29 -0.82	49.27 -1.19 -0.90	52.17 -1.30 -1.35	57.15 -1.24 -2.12	60.11 -0.80 -3.66	58.87 -0.85 -3.16	57.47 -1.13 -2.34	52.42 -1.18 -2.40	47.48 -1.06 -2.33	42.95 -1.15 -1.46	44.03 -1.04 -1.80
FULTON___LFGE 323630	100.23 6.11 -38.02	100.28 5.37 -46.96	92.88 5.43 -38.11	93.82 5.05 -42.41	97.63 5.27 -44.87	100.68 6.87 -38.81	136.17 8.18 -69.10	149.24 7.93 -83.90	130.27 8.09 -61.37	103.14 6.54 -42.08	79.46 6.09 -17.05	73.18 5.53 -14.47	71.73 5.05 -17.18	69.04 4.93 -14.31	70.29 5.00 -15.73	81.81 6.15 -23.54	100.49 7.20 -37.01	129.10 7.90 -63.94	119.64 7.86 -55.22	104.61 7.48 -40.86	99.65 6.56 -41.89	92.45 5.59 -40.65	73.02 4.86 -25.52	78.99 4.37 -31.36
G.F.CEMENT___DRP 24184	94.54 3.87 -34.58	94.01 3.36 -42.72	87.41 3.40 -34.67	88.17 3.24 -38.57	91.72 3.42 -40.81	94.58 4.29 -35.30	126.68 4.95 -62.85	138.60 4.88 -76.31	121.92 5.29 -55.82	97.26 4.47 -38.27	76.17 4.34 -15.51	70.38 4.04 -13.16	68.79 3.66 -15.63	66.50 3.68 -13.02	67.53 3.67 -14.31	77.65 4.12 -21.41	94.44 4.50 -33.66	120.29 4.87 -58.16	111.65 4.86 -50.22	98.04 4.61 -37.16	93.30 3.99 -38.11	86.64 3.47 -36.98	68.93 3.07 -23.22	74.66 2.86 -28.54
GARDENVILLE___LBMP 24039	55.04 -5.44 -4.39	48.91 -4.46 -5.42	49.05 -4.69 -4.40	46.89 -4.36 -4.90	48.20 -4.46 -5.18	55.46 -4.01 -4.48	62.92 -3.95 -7.97	58.61 -4.54 -5.73	58.80 -5.05 -3.04	53.77 -4.63 -3.89	51.16 -5.69 -0.52	47.92 -5.64 -0.37	44.74 -5.25 -0.48	44.77 -5.43 -0.41	44.75 -5.25 -0.45	47.15 -5.58 -0.61	51.86 -5.85 -1.44	54.36 -5.44 -2.54	50.05 -5.37 1.14	50.75 -5.63 -0.12	47.56 -5.27 -1.63	43.11 -4.71 -1.62	39.16 -4.52 -1.04	40.22 -4.33 -1.27
GARDNVLA_35_KV_LD 355827	55.21 -5.27 -4.39	49.05 -4.31 -5.42	49.20 -4.54 -4.40	47.03 -4.22 -4.90	48.35 -4.32 -5.18	55.68 -3.79 -4.48	63.21 -3.65 -7.97	59.28 -4.25 -6.11	59.57 -4.74 -3.50	54.06 -4.36 -3.90	51.47 -5.41 -0.55	48.29 -5.42 -0.53	45.02 -5.00 -0.52	45.10 -5.13 -0.44	45.08 -4.96 -0.48	47.57 -5.21 -0.66	52.26 -5.51 -1.51	54.64 -5.27 -2.65	50.88 -5.26 0.42	51.32 -5.40 -0.46	47.89 -5.02 -1.71	43.38 -4.53 -1.70	39.42 -4.31 -1.09	40.41 -4.20 -1.33
GELCKHM___115KV_LOAD 80723	57.58 -1.01 -2.50	50.17 -0.86 -3.09	50.95 -0.89 -2.51	48.31 -0.83 -2.79	49.58 -0.85 -2.95	56.94 -0.60 -2.55	63.02 -0.41 -4.54	62.53 -0.40 -5.51	64.36 -0.49 -4.03	56.74 -0.55 -2.76	56.60 -0.84 -1.12	53.18 -0.96 -0.95	49.69 -0.94 -1.13	49.74 -1.00 -0.94	49.65 -0.94 -1.03	52.68 -0.99 -1.55	57.79 -0.90 -2.42	60.93 -0.52 -4.18	59.61 -0.57 -3.61	58.09 -0.84 -2.67	53.07 -0.87 -2.74	48.04 -0.83 -2.67	43.42 -0.90 -1.67	44.54 -0.78 -2.06
GENERAL___MILLS 23808	55.15 -5.33 -4.39	48.95 -4.41 -5.42	49.10 -4.64 -4.40	46.99 -4.26 -4.90	48.25 -4.42 -5.18	55.57 -3.90 -4.48	63.03 -3.83 -7.97	59.06 -4.36 -6.00	59.32 -4.86 -3.38	53.95 -4.47 -3.90	51.35 -5.52 -0.54	48.20 -5.48 -0.49	44.91 -5.10 -0.51	45.00 -5.23 -0.43	44.97 -5.05 -0.47	47.45 -5.32 -0.64	52.13 -5.63 -1.49	54.50 -5.38 -2.62	50.62 -5.32 0.63	51.17 -5.46 -0.36	47.77 -5.12 -1.69	43.31 -4.57 -1.68	39.33 -4.39 -1.08	40.30 -4.28 -1.32
GE_PLASTICS___DRP 24183	91.69 2.24 -33.36	91.06 1.92 -41.20	84.80 2.02 -33.44	85.46 1.90 -37.21	88.75 1.90 -39.37	91.35 2.31 -34.05	121.98 2.47 -60.62	133.20 2.18 -73.60	117.08 2.43 -53.84	93.61 2.18 -36.92	73.54 2.25 -14.96	68.00 2.13 -12.69	66.55 1.98 -15.07	64.34 1.99 -12.56	65.34 1.98 -13.80	74.76 1.98 -20.65	90.77 2.03 -32.47	115.41 2.06 -56.09	106.98 1.98 -48.44	94.08 1.97 -35.84	89.80 1.84 -36.75	83.63 1.76 -35.67	66.62 1.58 -22.40	72.48 1.69 -27.52
GILBOA___1 23756	84.65 2.08 -26.48	82.43 1.77 -32.71	77.71 1.83 -26.55	77.61 1.72 -29.54	80.50 1.76 -31.26	84.23 2.20 -27.04	109.49 2.47 -48.13	118.27 2.41 -58.44	106.23 2.67 -42.75	86.16 2.34 -29.30	70.46 2.26 -11.87	65.33 2.07 -10.07	63.39 1.93 -11.96	61.65 1.89 -9.97	62.39 1.88 -10.95	70.55 2.03 -16.39	84.36 2.31 -25.78	104.25 2.46 -44.53	97.45 2.43 -38.46	87.08 2.36 -28.46	82.48 2.10 -29.18	76.42 1.90 -28.32	62.12 1.71 -17.77	66.71 1.60 -21.84
GILBOA___2 23757	84.65 2.08 -26.48	82.43 1.77 -32.71	77.71 1.83 -26.55	77.61 1.72 -29.54	80.50 1.76 -31.26	84.23 2.20 -27.04	109.49 2.47 -48.13	118.27 2.41 -58.44	106.23 2.67 -42.75	86.16 2.34 -29.30	70.46 2.26 -11.87	65.33 2.07 -10.07	63.39 1.93 -11.96	61.65 1.89 -9.97	62.39 1.88 -10.95	70.55 2.03 -16.39	84.36 2.31 -25.78	104.25 2.46 -44.53	97.45 2.43 -38.46	87.08 2.36 -28.46	82.48 2.10 -29.18	76.42 1.90 -28.32	62.12 1.71 -17.77	66.71 1.60 -21.84
GILBOA___3 23758	84.65 2.08 -26.48	82.43 1.77 -32.71	77.71 1.83 -26.55	77.61 1.72 -29.54	80.50 1.76 -31.26	84.23 2.20 -27.04	109.49 2.47 -48.13	118.27 2.41 -58.44	106.23 2.67 -42.75	86.16 2.34 -29.30	70.46 2.26 -11.87	65.33 2.07 -10.07	63.39 1.93 -11.96	61.65 1.89 -9.97	62.39 1.88 -10.95	70.55 2.03 -16.39	84.36 2.31 -25.78	104.25 2.46 -44.53	97.45 2.43 -38.46	87.08 2.36 -28.46	82.48 2.10 -29.18	76.42 1.90 -28.32	62.12 1.71 -17.77	66.71 1.60 -21.84

GILBOA___4 23759	84.65 2.08 -26.48	82.43 1.77 -32.71	77.71 1.83 -26.55	77.61 1.72 -29.54	80.50 1.76 -31.26	84.23 2.20 -27.04	109.49 2.47 -48.13	118.27 2.41 -58.44	106.23 2.67 -42.75	86.16 2.34 -29.30	70.46 2.26 -11.87	65.33 2.07 -10.07	63.39 1.93 -11.96	61.65 1.89 -9.97	62.39 1.88 -10.95	70.55 2.03 -16.39	84.36 2.31 -25.78	104.25 2.46 -44.53	97.45 2.43 -38.46	87.08 2.36 -28.46	82.48 2.10 -29.18	76.42 1.90 -28.32	62.12 1.71 -17.77	66.71 1.60 -21.84
GILBOA____ 23599	84.65 2.08 -26.48	82.43 1.77 -32.71	77.71 1.83 -26.55	77.61 1.72 -29.54	80.50 1.76 -31.26	84.23 2.20 -27.04	109.50 2.47 -48.13	118.27 2.41 -58.44	106.23 2.68 -42.75	86.17 2.34 -29.30	70.51 2.31 -11.87	65.33 2.07 -10.07	63.39 1.93 -11.96	61.70 1.94 -9.97	62.44 1.93 -10.95	70.55 2.03 -16.39	84.36 2.31 -25.78	104.25 2.46 -44.53	97.45 2.43 -38.46	87.08 2.36 -28.46	82.48 2.10 -29.18	76.42 1.89 -28.32	62.09 1.66 -17.78	66.72 1.60 -21.85
GINNA____ 23603	54.61 -4.65 -3.18	47.94 -3.93 -3.92	48.43 -4.09 -3.18	46.10 -3.80 -3.54	47.39 -3.84 -3.75	54.50 -3.74 -3.24	61.13 -3.53 -5.77	60.81 -3.73 -7.12	61.80 -4.20 -5.18	54.35 -3.76 -3.59	52.33 -4.67 -0.67	49.61 -4.79 -1.21	45.70 -4.45 -0.65	45.66 -4.68 -0.55	45.64 -4.51 -0.60	47.88 -5.11 -0.86	52.62 -5.29 -1.64	55.88 -4.24 -2.85	55.46 -4.41 -3.31	52.87 -5.57 -2.18	48.04 -5.02 -1.85	43.56 -4.44 -1.79	40.16 -3.62 -1.15	41.08 -3.59 -1.41
GLEN PARK____ 23778	58.67 1.12 -1.46	50.56 0.81 -1.81	51.59 0.79 -1.47	48.72 0.74 -1.63	50.11 0.90 -1.73	57.86 1.38 -1.49	63.37 1.83 -2.66	62.65 2.01 -3.23	64.93 1.76 -2.36	57.39 1.25 -1.62	57.66 0.68 -0.65	54.01 0.27 -0.56	50.16 0.00 -0.66	50.44 0.10 -0.55	50.26 0.10 -0.60	53.60 0.57 -0.90	58.93 1.24 -1.42	61.49 1.78 -2.45	60.15 1.47 -2.12	59.01 1.18 -1.57	53.58 0.77 -1.61	49.99 0.46 -3.32	45.46 0.21 -2.61	44.86 0.39 -1.20
GLENDALE_27_KV_LOAD 356172	88.51 5.22 -27.20	86.00 4.46 -33.60	81.09 4.49 -27.27	80.91 4.22 -30.34	83.91 4.32 -32.10	87.93 5.17 -27.77	114.41 5.89 -49.63	135.35 5.91 -72.01	158.12 6.38 -90.92	153.60 5.67 -93.41	111.34 5.69 -49.32	111.27 5.27 -52.82	102.07 4.90 -47.67	101.20 4.83 -46.58	91.03 4.76 -36.72	99.08 5.11 -41.85	114.90 5.74 -52.89	122.34 6.18 -58.90	130.17 6.11 -67.50	117.32 5.96 -55.09	111.27 5.38 -54.69	80.68 4.76 -29.71	65.20 4.22 -18.34	69.64 3.94 -22.43
GLENWOOD_IC_1_G5 23712	109.49 5.50 -47.90	100.30 4.65 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.17 4.61 -46.07	109.06 5.50 -48.56	114.19 5.89 -49.41	140.39 5.97 -77.00	127.94 6.45 -60.68	111.89 5.72 -51.64	99.71 5.16 -37.80	92.31 5.16 -33.97	78.35 4.75 -24.10	76.45 4.73 -21.92	94.01 4.66 -39.79	99.97 4.95 -42.89	126.90 5.57 -65.06	155.49 6.07 -92.16	156.32 6.00 -93.76	148.68 5.85 -86.56	120.72 5.22 -64.29	107.13 4.67 -56.26	83.13 4.05 -36.44	75.72 3.76 -28.69
GLENWOOD_IC_2_G1 23688	109.38 5.39 -47.90	100.21 4.56 -47.71	93.65 4.59 -39.72	90.13 4.36 -39.42	98.02 4.46 -46.07	108.89 5.33 -48.56	114.36 6.07 -49.41	140.57 6.15 -77.00	128.06 6.57 -60.68	112.00 5.84 -51.64	99.82 5.69 -37.80	92.42 5.27 -33.97	78.45 4.85 -24.10	76.55 4.83 -21.92	94.11 4.76 -39.79	100.13 5.11 -42.89	127.08 5.74 -65.06	155.61 6.19 -92.16	156.43 6.11 -93.76	148.78 5.96 -86.56	120.87 5.37 -64.29	107.23 4.76 -56.26	83.48 4.22 -36.62	76.07 3.90 -28.91
GLENWOOD_IC_3_G1 23689	109.38 5.39 -47.90	100.21 4.56 -47.71	93.65 4.59 -39.72	90.13 4.36 -39.42	98.02 4.46 -46.07	108.89 5.33 -48.56	114.36 6.07 -49.41	140.57 6.15 -77.00	128.06 6.57 -60.68	112.00 5.84 -51.64	99.82 5.69 -37.80	92.42 5.27 -33.97	78.45 4.85 -24.10	76.55 4.83 -21.92	94.11 4.76 -39.79	100.13 5.11 -42.89	127.08 5.74 -65.06	155.61 6.19 -92.16	156.43 6.11 -93.76	148.78 5.96 -86.56	120.87 5.37 -64.29	107.23 4.76 -56.26	83.48 4.22 -36.62	76.07 3.90 -28.91
GLENWOOD___4 23550	109.49 5.50 -47.90	100.30 4.65 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.17 4.61 -46.07	109.06 5.50 -48.56	114.30 6.01 -49.41	140.57 6.14 -77.00	128.06 6.57 -60.68	112.00 5.83 -51.64	99.82 5.69 -37.80	92.47 5.32 -33.97	78.50 4.90 -24.10	76.55 4.83 -21.92	94.16 4.81 -39.79	100.13 5.11 -42.89	127.07 5.74 -65.06	155.66 6.24 -92.16	156.43 6.11 -93.76	148.79 5.96 -86.56	120.87 5.38 -64.29	107.23 4.76 -56.26	83.26 4.18 -36.44	75.80 3.85 -28.69
GLENWOOD___5 23614	109.49 5.50 -47.90	100.30 4.65 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.17 4.61 -46.07	109.06 5.50 -48.56	114.30 6.01 -49.41	140.57 6.14 -77.00	128.06 6.57 -60.68	112.00 5.83 -51.64	99.82 5.69 -37.80	92.47 5.32 -33.97	78.50 4.90 -24.10	76.55 4.83 -21.92	94.16 4.81 -39.79	100.13 5.11 -42.89	127.07 5.74 -65.06	155.66 6.24 -92.16	156.43 6.11 -93.76	148.79 5.96 -86.56	120.87 5.38 -64.29	107.23 4.76 -56.26	83.26 4.18 -36.44	75.80 3.85 -28.69
GLOBAL GREEN_PORT_GT1 23814	112.02 8.02 -47.90	102.36 6.71 -47.71	95.82 6.76 -39.72	92.22 6.44 -39.42	100.21 6.65 -46.07	111.20 7.64 -48.56	116.83 8.54 -49.41	143.15 8.72 -77.00	130.56 9.06 -60.68	114.29 8.12 -51.64	103.32 9.18 -37.80	95.72 8.56 -33.97	81.32 7.72 -24.10	79.44 7.72 -21.92	97.28 7.93 -39.79	103.35 8.34 -42.89	130.22 8.89 -65.06	158.98 9.56 -92.16	159.65 9.33 -93.76	151.54 8.72 -86.56	123.33 7.83 -64.29	109.91 7.44 -56.26	86.30 7.03 -36.63	79.02 6.83 -28.92
GLOBE___DSASP 323697	53.35 -6.79 -4.05	47.43 -5.51 -5.00	47.67 -5.72 -4.06	45.54 -5.33 -4.52	46.76 -5.51 -4.78	53.90 -5.22 -4.13	60.46 -5.71 -7.29	56.39 -6.60 -5.57	56.97 -7.30 -3.46	51.23 -6.65 -3.36	49.29 -7.60 -0.57	47.07 -6.75 -0.64	42.97 -7.08 -0.55	42.69 -7.57 -0.46	42.87 -7.19 -0.50	44.85 -7.97 -0.70	49.23 -8.55 -1.51	52.71 -7.21 -2.66	50.38 -6.50 -0.32	49.46 -7.60 -0.80	44.93 -7.99 -1.72	41.20 -6.70 -1.69	37.63 -6.10 -1.08	39.23 -5.37 -1.33
GOETHSLN___LBMP 323567	87.71 4.43 -27.19	85.27 3.74 -33.59	80.34 3.75 -27.26	80.25 3.57 -30.33	83.23 3.66 -32.09	87.15 4.40 -27.76	99.55 5.24 -35.42	111.45 5.23 -48.81	101.90 5.66 -35.44	97.57 5.02 -38.03	95.06 4.90 -33.83	95.05 4.52 -37.35	95.05 4.21 -41.34	94.05 4.18 -40.07	85.83 4.11 -32.16	93.87 4.38 -37.37	95.56 4.90 -34.40	97.06 5.33 -34.48	97.00 5.20 -35.24	95.06 5.12 -33.67	95.00 4.61 -39.19	79.96 4.16 -29.60	64.59 3.62 -18.32	68.98 3.29 -22.42
GOLAH___69_KV_TB 1_2 80279	56.44 -2.97 -3.32	49.60 -2.45 -4.11	50.15 -2.52 -3.33	47.74 -2.32 -3.71	49.13 -2.28 -3.92	56.57 -1.81 -3.39	63.22 -1.71 -6.04	62.13 -2.30 -7.00	63.01 -2.74 -4.93	55.58 -2.62 -3.68	53.30 -3.66 -0.63	50.46 -3.83 -1.10	46.49 -3.61 -0.61	46.22 -4.08 -0.51	46.40 -3.72 -0.56	48.60 -4.33 -0.80	53.49 -4.33 -1.55	57.05 -2.92 -2.71	56.26 -3.00 -2.70	53.86 -4.28 -1.87	48.76 -4.20 -1.76	44.49 -3.42 -1.70	40.53 -3.20 -1.09	42.05 -2.55 -1.34
GOODYEAR_LAKE_HYD 323669	67.42 2.69 -8.63	60.91 2.30 -10.66	60.31 2.32 -8.65	58.16 2.18 -9.63	60.00 2.33 -10.19	66.83 3.02 -8.81	78.29 3.71 -15.69	80.18 3.79 -18.97	78.72 4.01 -13.89	67.45 3.43 -9.50	63.24 3.04 -3.87	59.18 2.71 -3.28	55.78 2.38 -3.90	55.39 2.34 -3.25	55.41 2.28 -3.57	60.13 2.66 -5.34	67.96 3.26 -8.43	75.60 3.78 -14.56	72.75 3.62 -12.57	69.00 3.43 -9.30	63.66 2.92 -9.54	57.88 2.45 -9.23	50.50 2.05 -5.81	52.31 1.90 -7.14

GOUDEY_115_KV_TB6_REV_LBMP_C 345031	64.68 -0.22 -8.81	58.68 -0.14 -10.88	57.97 -0.20 -8.83	56.04 -0.14 -9.83	57.74 -0.14 -10.40	64.32 0.33 -9.00	75.61 0.71 -16.01	77.28 0.63 -19.23	75.48 0.55 -14.12	64.51 0.38 -9.61	60.73 0.45 -3.95	56.98 0.32 -3.47	53.68 0.20 -3.98	53.31 0.20 -3.32	53.40 0.20 -3.65	57.89 0.31 -5.46	65.64 0.68 -8.69	73.25 0.97 -15.01	70.93 0.90 -13.47	66.92 0.84 -9.82	61.65 0.61 -9.84	56.09 0.46 -9.42	48.89 0.26 -5.99	50.84 0.22 -7.36
GOUDEY___7 23579	64.73 -0.17 -8.81	58.73 -0.10 -10.88	58.02 -0.15 -8.83	56.09 -0.09 -9.83	57.79 -0.09 -10.40	64.37 0.38 -9.00	75.67 0.77 -16.01	77.34 0.69 -19.23	75.60 0.67 -14.12	64.62 0.49 -9.61	60.84 0.56 -3.95	57.03 0.37 -3.47	53.73 0.25 -3.98	53.36 0.25 -3.32	53.45 0.25 -3.65	57.94 0.36 -5.46	65.69 0.73 -8.69	73.30 1.03 -15.01	71.05 1.02 -13.47	66.98 0.90 -9.82	61.71 0.67 -9.84	56.13 0.51 -9.42	48.93 0.30 -5.99	50.89 0.26 -7.36
GOUDEY___8 23580	64.68 -0.22 -8.81	58.68 -0.14 -10.88	57.97 -0.20 -8.83	56.04 -0.14 -9.83	57.74 -0.14 -10.40	64.32 0.33 -9.00	75.61 0.71 -16.01	77.28 0.63 -19.23	75.48 0.55 -14.12	64.51 0.38 -9.61	60.73 0.45 -3.95	56.98 0.32 -3.47	53.68 0.20 -3.98	53.31 0.20 -3.32	53.40 0.20 -3.65	57.89 0.31 -5.46	65.64 0.68 -8.69	73.25 0.97 -15.01	70.93 0.90 -13.47	66.92 0.84 -9.82	61.65 0.61 -9.84	56.09 0.46 -9.42	48.89 0.26 -5.99	50.84 0.22 -7.36
GOWANUS_GT1_1 24077	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT1_2 24078	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT1_3 24079	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT1_4 24080	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT1_5 24084	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT1_6 24111	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT1_7 24112	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT1_8 24113	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT2_1 24114	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT2_2 24115	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT2_3 24116	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT2_4 24117	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66

GOWANUS_GT2_5 24118	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT2_6 24119	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT2_7 24120	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT2_8 24121	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_1 24122	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_2 24123	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_3 24124	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_4 24125	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_5 24126	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_6 24127	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_7 24128	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT3_8 24129	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
GOWANUS_GT4_1 24130	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT4_2 24131	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT4_3 24132	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43

GOWANUS_GT4_4 24133	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT4_5 24134	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT4_6 24135	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT4_7 24136	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GOWANUS_GT4_8 24137	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GREENBSH_115KV_TB3 55895	91.89 2.30 -33.50	91.34 2.01 -41.38	85.09 2.17 -33.58	85.71 1.99 -37.37	89.02 1.99 -39.54	91.61 2.42 -34.20	122.31 2.53 -60.88	133.46 2.12 -73.92	117.25 2.37 -54.07	93.78 2.18 -37.08	73.72 2.37 -15.02	68.16 2.23 -12.75	66.72 2.08 -15.14	64.50 2.13 -12.61	65.55 2.13 -13.86	74.85 1.98 -20.74	90.85 1.97 -32.61	115.43 1.83 -56.34	107.02 1.81 -48.65	94.06 1.80 -36.00	89.86 1.74 -36.91	83.73 1.71 -35.82	66.72 1.58 -22.50	72.68 1.77 -27.64
GREENDGE_115KV_TB5 80291	60.35 -1.12 -5.38	53.72 -0.86 -6.64	53.84 -0.89 -5.39	51.52 -0.83 -6.00	53.03 -0.81 -6.35	60.37 -0.11 -5.49	69.37 0.71 -9.77	72.74 0.57 -14.74	73.77 0.30 -12.65	60.33 0.00 -5.81	53.78 -0.84 1.70	55.62 -1.12 -3.56	46.41 -1.24 1.86	46.92 -1.34 1.53	46.67 -1.19 1.69	48.22 -1.20 2.71	52.82 -0.79 2.67	52.75 -0.06 4.45	63.21 -0.17 -6.82	57.48 -0.56 -1.79	47.42 -0.77 3.01	42.24 -0.83 3.14	39.93 -0.94 1.77	40.21 -0.87 2.19
GREENIDGE___3 23582	60.35 -1.12 -5.38	53.72 -0.86 -6.64	53.84 -0.89 -5.39	51.52 -0.83 -6.00	53.03 -0.81 -6.35	60.37 -0.11 -5.49	69.37 0.71 -9.77	72.74 0.57 -14.74	73.77 0.30 -12.65	60.33 0.00 -5.81	53.78 -0.84 1.70	55.62 -1.12 -3.56	46.41 -1.24 1.86	46.92 -1.34 1.53	46.67 -1.19 1.69	48.22 -1.20 2.71	52.82 -0.79 2.67	52.75 -0.06 4.45	63.21 -0.17 -6.82	57.48 -0.56 -1.79	47.42 -0.77 3.01	42.24 -0.83 3.14	39.93 -0.94 1.77	40.21 -0.87 2.19
GREENIDGE___4 23583	60.35 -1.12 -5.38	53.72 -0.86 -6.64	53.84 -0.89 -5.39	51.52 -0.83 -6.00	53.03 -0.81 -6.35	60.37 -0.11 -5.49	69.31 0.65 -9.77	72.74 0.57 -14.74	73.77 0.31 -12.65	60.33 0.00 -5.81	53.72 -0.90 1.70	55.62 -1.12 -3.56	46.36 -1.29 1.86	46.92 -1.34 1.53	46.63 -1.24 1.69	48.22 -1.20 2.71	52.96 -0.79 2.52	52.94 -0.11 4.21	62.67 -0.17 -6.28	57.26 -0.62 -1.61	47.64 -0.72 2.85	42.44 -0.83 2.94	40.23 -0.77 1.65	40.37 -0.87 2.03
GREENLWN_69_KV_BK 3 55738	109.32 5.33 -47.90	100.20 4.55 -47.71	93.65 4.59 -39.72	90.08 4.31 -39.42	97.98 4.42 -46.07	108.89 5.33 -48.56	114.42 6.12 -49.41	140.68 6.26 -77.00	128.18 6.69 -60.68	112.05 5.89 -51.64	99.99 5.86 -37.80	92.58 5.42 -33.97	78.60 5.00 -24.10	76.70 4.98 -21.92	94.26 4.91 -39.79	100.28 5.26 -42.89	127.24 5.91 -65.06	155.43 6.01 -92.16	156.26 5.94 -93.76	148.79 5.96 -86.56	121.02 5.53 -64.29	107.37 4.90 -56.26	83.43 4.35 -36.44	76.02 4.07 -28.69
GREENWD_138_KV_38B11_REV_LBMP_J 345004	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43
GRISSOM___SOLAR 323813	100.23 6.11 -38.02	100.28 5.37 -46.96	92.88 5.43 -38.11	93.82 5.05 -42.41	97.63 5.27 -44.87	100.68 6.87 -38.81	136.17 8.18 -69.10	149.24 7.93 -83.90	130.27 8.09 -61.37	103.14 6.54 -42.08	79.46 6.09 -17.05	73.18 5.53 -14.47	71.73 5.05 -17.18	69.04 4.93 -14.31	70.29 5.00 -15.73	81.81 6.15 -23.54	100.49 7.20 -37.01	129.10 7.90 -63.94	119.64 7.86 -55.22	104.61 7.48 -40.86	99.65 6.56 -41.89	92.45 5.59 -40.65	73.02 4.86 -25.52	78.99 4.37 -31.36
GROVEVILLE___HYD 323602	87.87 4.54 -27.24	85.38 3.79 -33.65	80.54 3.90 -27.31	80.45 3.71 -30.38	83.39 3.75 -32.15	87.31 4.51 -27.81	113.87 5.48 -49.50	122.86 5.34 -60.11	110.49 5.72 -43.97	89.50 4.85 -30.13	73.21 4.68 -12.21	67.80 4.25 -10.36	65.71 3.91 -12.30	63.88 3.83 -10.25	64.63 3.82 -11.26	73.15 4.17 -16.86	87.62 4.84 -26.50	108.43 5.38 -45.79	101.47 5.37 -39.54	90.70 5.18 -29.26	85.81 4.61 -30.00	79.40 4.07 -29.13	64.25 3.33 -18.28	68.76 3.03 -22.47
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	58.26 -0.62 -2.78	50.90 -0.48 -3.44	51.63 -0.49 -2.79	49.00 -0.46 -3.11	50.30 -0.47 -3.29	57.67 -0.16 -2.84	64.07 0.12 -5.06	63.73 0.17 -6.14	65.42 0.12 -4.49	57.59 0.00 -3.08	57.24 -0.34 -1.25	53.76 -0.48 -1.06	50.21 -0.54 -1.26	50.24 -0.60 -1.05	50.16 -0.55 -1.15	53.27 -0.57 -1.72	58.58 -0.39 -2.70	61.92 0.00 -4.66	60.53 -0.06 -4.02	58.90 -0.34 -2.98	53.80 -0.46 -3.05	48.77 -0.42 -2.98	43.91 -0.60 -1.86	45.08 -0.48 -2.29
HAMLTNNY_34_KV_TB 80303	58.43 -0.62 -2.96	51.07 -0.53 -3.66	51.76 -0.54 -2.97	49.19 -0.46 -3.30	50.50 -0.47 -3.49	57.90 -0.11 -3.02	64.56 0.29 -5.38	64.24 0.29 -6.53	65.83 0.24 -4.78	57.84 0.05 -3.26	57.37 -0.28 -1.32	53.83 -0.48 -1.12	50.34 -0.49 -1.33	50.31 -0.60 -1.11	50.28 -0.50 -1.22	53.38 -0.57 -1.83	58.68 -0.45 -2.86	62.26 0.06 -4.94	60.83 0.00 -4.27	59.08 -0.34 -3.16	53.98 -0.46 -3.24	48.91 -0.46 -3.16	43.98 -0.64 -1.98	45.22 -0.48 -2.43

HISHELDN_WT_PWR 323625	56.05 -4.82 -4.78	49.92 -3.93 -5.91	49.99 -4.14 -4.80	47.84 -3.85 -5.34	49.19 -3.94 -5.65	56.41 -3.46 -4.88	64.16 -3.42 -8.69	57.65 -3.91 -4.14	56.73 -4.38 -0.30	55.02 -3.98 -4.48	51.49 -5.13 -0.28	47.38 -5.05 0.75	44.93 -4.80 -0.23	45.06 -4.93 -0.20	44.92 -4.85 -0.21	47.31 -5.06 -0.24	52.12 -5.23 -1.07	54.37 -4.81 -1.92	45.44 -4.81 6.31	48.69 -5.23 2.34	47.66 -4.76 -1.22	43.02 -4.34 -1.16	39.51 -3.92 -0.79	40.33 -3.89 -0.96
HOLTSVILLE_IC_1 23690	110.22 6.23 -47.90	100.92 5.27 -47.71	94.39 5.33 -39.72	90.78 5.01 -39.42	98.74 5.18 -46.07	109.66 6.10 -48.56	115.18 6.89 -49.41	141.42 7.00 -77.00	128.85 7.35 -60.68	112.76 6.59 -51.64	101.29 7.15 -37.80	93.80 6.65 -33.97	79.69 6.09 -24.10	77.79 6.07 -21.92	95.49 6.14 -39.79	101.58 6.57 -42.89	128.42 7.09 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.38 5.92 -56.26	84.73 5.46 -36.63	77.42 5.23 -28.92
HOLTSVILLE_IC_10 23699	110.50 6.50 -47.90	101.11 5.46 -47.71	94.59 5.52 -39.72	91.01 5.24 -39.42	98.97 5.41 -46.07	109.88 6.32 -48.56	115.48 7.18 -49.41	141.72 7.29 -77.00	129.16 7.66 -60.68	113.03 6.87 -51.64	101.63 7.49 -37.80	94.12 6.97 -33.97	79.99 6.39 -24.10	78.09 6.38 -21.92	95.79 6.44 -39.79	101.90 6.88 -42.89	128.76 7.43 -65.06	157.27 7.85 -92.16	158.01 7.69 -93.76	150.25 7.43 -86.56	122.15 6.65 -64.29	108.66 6.19 -56.26	84.98 5.72 -36.63	77.68 5.50 -28.92
HOLTSVILLE_IC_2 23691	110.22 6.23 -47.90	100.92 5.27 -47.71	94.39 5.33 -39.72	90.78 5.01 -39.42	98.74 5.18 -46.07	109.66 6.10 -48.56	115.18 6.89 -49.41	141.42 7.00 -77.00	128.85 7.35 -60.68	112.76 6.59 -51.64	101.29 7.15 -37.80	93.80 6.65 -33.97	79.69 6.09 -24.10	77.79 6.07 -21.92	95.49 6.14 -39.79	101.58 6.57 -42.89	128.42 7.09 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.38 5.92 -56.26	84.73 5.46 -36.63	77.42 5.23 -28.92
HOLTSVILLE_IC_3 23692	110.22 6.23 -47.90	100.92 5.27 -47.71	94.39 5.33 -39.72	90.78 5.01 -39.42	98.74 5.18 -46.07	109.66 6.10 -48.56	115.18 6.89 -49.41	141.42 7.00 -77.00	128.85 7.35 -60.68	112.76 6.59 -51.64	101.29 7.15 -37.80	93.80 6.65 -33.97	79.69 6.09 -24.10	77.79 6.07 -21.92	95.49 6.14 -39.79	101.58 6.57 -42.89	128.42 7.09 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.38 5.92 -56.26	84.73 5.46 -36.63	77.42 5.23 -28.92
HOLTSVILLE_IC_4 23693	110.22 6.23 -47.90	100.92 5.27 -47.71	94.39 5.33 -39.72	90.78 5.01 -39.42	98.74 5.18 -46.07	109.66 6.10 -48.56	115.18 6.89 -49.41	141.42 7.00 -77.00	128.85 7.35 -60.68	112.76 6.59 -51.64	101.29 7.15 -37.80	93.80 6.65 -33.97	79.69 6.09 -24.10	77.79 6.07 -21.92	95.49 6.14 -39.79	101.58 6.57 -42.89	128.42 7.09 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.38 5.92 -56.26	84.73 5.46 -36.63	77.42 5.23 -28.92
HOLTSVILLE_IC_5 23694	110.22 6.23 -47.90	100.92 5.27 -47.71	94.39 5.33 -39.72	90.78 5.01 -39.42	98.74 5.18 -46.07	109.66 6.10 -48.56	115.18 6.89 -49.41	141.42 7.00 -77.00	128.85 7.35 -60.68	112.76 6.59 -51.64	101.29 7.15 -37.80	93.80 6.65 -33.97	79.69 6.09 -24.10	77.79 6.07 -21.92	95.49 6.14 -39.79	101.58 6.57 -42.89	128.42 7.09 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.38 5.92 -56.26	84.73 5.46 -36.63	77.42 5.23 -28.92
HOLTSVILLE_IC_6 23695	110.50 6.50 -47.90	101.11 5.46 -47.71	94.59 5.52 -39.72	91.01 5.24 -39.42	98.97 5.41 -46.07	109.88 6.32 -48.56	115.48 7.18 -49.41	141.72 7.29 -77.00	129.16 7.66 -60.68	113.03 6.87 -51.64	101.63 7.49 -37.80	94.12 6.97 -33.97	79.99 6.39 -24.10	78.09 6.38 -21.92	95.79 6.44 -39.79	101.90 6.88 -42.89	128.76 7.43 -65.06	157.27 7.85 -92.16	158.01 7.69 -93.76	150.25 7.43 -86.56	122.15 6.65 -64.29	108.66 6.19 -56.26	84.98 5.72 -36.63	77.68 5.50 -28.92
HOLTSVILLE_IC_7 23696	110.50 6.50 -47.90	101.11 5.46 -47.71	94.59 5.52 -39.72	91.01 5.24 -39.42	98.97 5.41 -46.07	109.88 6.32 -48.56	115.48 7.18 -49.41	141.72 7.29 -77.00	129.16 7.66 -60.68	113.03 6.87 -51.64	101.63 7.49 -37.80	94.12 6.97 -33.97	79.99 6.39 -24.10	78.09 6.38 -21.92	95.79 6.44 -39.79	101.90 6.88 -42.89	128.76 7.43 -65.06	157.27 7.85 -92.16	158.01 7.69 -93.76	150.25 7.43 -86.56	122.15 6.65 -64.29	108.66 6.19 -56.26	84.98 5.72 -36.63	77.68 5.50 -28.92
HOLTSVILLE_IC_8 23697	110.50 6.50 -47.90	101.11 5.46 -47.71	94.59 5.52 -39.72	91.01 5.24 -39.42	98.97 5.41 -46.07	109.88 6.32 -48.56	115.48 7.18 -49.41	141.72 7.29 -77.00	129.16 7.66 -60.68	113.03 6.87 -51.64	101.63 7.49 -37.80	94.12 6.97 -33.97	79.99 6.39 -24.10	78.09 6.38 -21.92	95.79 6.44 -39.79	101.90 6.88 -42.89	128.76 7.43 -65.06	157.27 7.85 -92.16	158.01 7.69 -93.76	150.25 7.43 -86.56	122.15 6.65 -64.29	108.66 6.19 -56.26	84.98 5.72 -36.63	77.68 5.50 -28.92
HOLTSVILLE_IC_9 23698	110.50 6.50 -47.90	101.11 5.46 -47.71	94.59 5.52 -39.72	91.01 5.24 -39.42	98.97 5.41 -46.07	109.88 6.32 -48.56	115.48 7.18 -49.41	141.72 7.29 -77.00	129.16 7.66 -60.68	113.03 6.87 -51.64	101.63 7.49 -37.80	94.12 6.97 -33.97	79.99 6.39 -24.10	78.09 6.38 -21.92	95.79 6.44 -39.79	101.90 6.88 -42.89	128.76 7.43 -65.06	157.27 7.85 -92.16	158.01 7.69 -93.76	150.25 7.43 -86.56	122.15 6.65 -64.29	108.66 6.19 -56.26	84.98 5.72 -36.63	77.68 5.50 -28.92
HOMER_HL_115KV_TB2 355744	55.22 -5.78 -4.91	49.22 -4.79 -6.07	49.28 -4.98 -4.92	47.20 -4.64 -5.48	48.53 -4.75 -5.80	55.55 -4.45 -5.01	63.63 -4.18 -8.92	61.26 -3.96 -7.81	61.45 -4.26 -4.90	55.21 -3.82 -4.51	51.84 -5.13 -0.64	49.31 -4.73 -0.86	45.60 -4.50 -0.60	46.42 -3.88 -0.50	45.99 -4.11 -0.55	49.39 -3.49 -0.76	54.36 -3.60 -1.69	54.85 -5.38 -2.97	52.13 -5.03 -0.61	54.17 -3.09 -1.00	50.25 -2.87 -1.91	44.77 -3.47 -2.03	40.44 -3.50 -1.29	40.22 -4.63 -1.58
HOWARD_WT_PWR 323690	59.86 -1.91 -5.68	53.37 -1.58 -7.01	53.40 -1.63 -5.69	51.16 -1.53 -6.33	52.66 -1.52 -6.70	60.07 -0.72 -5.79	69.09 -0.12 -10.32	76.61 -0.63 -19.82	78.86 -1.03 -19.09	59.42 -1.25 -6.16	52.41 -2.36 1.55	56.69 -2.45 -5.95	45.27 -2.52 1.71	45.74 -2.64 1.41	45.42 -2.58 1.56	47.06 -2.55 2.51	52.76 -1.86 1.66	52.87 -1.66 2.73	68.03 -1.64 -13.11	59.37 -1.91 -5.02	47.44 -1.89 1.87	42.26 -1.99 1.96	39.54 -2.05 1.06	39.97 -1.99 1.31
HQ_GEN_CEDARS 23644	55.36 -0.73 0.00	47.27 -0.67 0.00	48.70 -0.64 0.00	45.75 -0.60 0.00	46.82 -0.66 0.00	53.56 -1.43 0.00	57.12 -1.77 0.00	55.87 -1.55 0.00	59.05 -1.76 0.00	53.05 -1.47 0.00	55.09 -1.24 0.00	52.17 -1.01 0.00	48.61 -0.89 0.00	49.00 -0.80 0.00	48.71 -0.84 0.00	51.29 -0.83 0.00	55.20 -1.07 0.00	55.66 -1.60 0.00	54.98 -1.58 0.00	54.91 -1.35 0.00	50.08 -1.13 0.00	47.07 -1.06 -1.93	43.66 -0.77 -1.78	42.66 -0.61 0.00
HQ_GEN_CEDARS_PROXY 323590	55.36 -0.73 0.00	47.27 -0.67 0.00	48.69 -0.64 0.00	45.75 -0.60 0.00	46.82 -0.66 0.00	55.04 -1.43 -1.48	55.65 -1.77 1.48	55.87 -1.55 0.00	56.94 -1.77 2.10	55.10 -1.53 -2.10	55.14 -1.19 0.00	52.17 -1.01 0.00	48.61 -0.89 0.00	48.95 -0.85 0.00	48.71 -0.84 0.00	51.29 -0.84 0.00	55.20 -1.07 0.00	55.66 -1.60 0.00	54.98 -1.58 0.00	54.97 -1.29 0.00	50.03 -1.18 0.00	46.33 -1.06 -1.18	44.23 -0.94 -2.53	42.62 -0.65 0.00

HQ_GEN_IMPORT 323601	55.36 -0.73 0.00	47.32 -0.62 0.00	48.75 -0.59 0.00	45.75 -0.60 0.00	46.87 -0.62 0.00	55.37 -1.10 -1.48	56.00 -1.41 1.48	56.10 -1.32 0.00	57.25 -1.46 2.10	55.37 -1.25 -2.10	55.37 -0.96 0.00	52.44 -0.74 0.00	48.85 -0.64 0.00	49.20 -0.60 0.00	48.91 -0.65 0.00	51.50 -0.62 0.00	55.37 -0.90 0.00	56.00 -1.26 0.00	55.37 -1.19 0.00	55.36 -0.90 0.00	50.38 -0.82 0.00	44.77 -0.69 0.75	42.75 -0.64 -0.75	42.75 -0.52 0.00
HQ_GEN_WHEEL 23651	55.36 -0.73 0.00	47.32 -0.62 0.00	48.75 -0.59 0.00	45.75 -0.60 0.00	46.87 -0.62 0.00	55.37 -1.10 -1.48	56.00 -1.41 1.48	56.10 -1.32 0.00	57.25 -1.46 2.10	55.37 -1.25 -2.10	55.37 -0.96 0.00	52.44 -0.74 0.00	48.85 -0.64 0.00	49.20 -0.60 0.00	48.91 -0.65 0.00	51.50 -0.62 0.00	55.37 -0.90 0.00	56.00 -1.26 0.00	55.37 -1.19 0.00	55.36 -0.90 0.00	50.38 -0.82 0.00	44.77 -0.69 0.75	42.75 -0.64 -0.75	42.75 -0.52 0.00
HUDSON_AVE_GT_3 23810	88.05 4.77 -27.19	85.60 4.08 -33.59	80.64 4.05 -27.26	80.53 3.85 -30.33	83.52 3.94 -32.09	87.48 4.73 -27.76	114.08 5.59 -49.59	132.95 5.63 -69.91	149.55 6.08 -82.66	142.20 5.40 -82.29	101.20 5.24 -39.63	101.15 4.84 -43.13	95.35 4.50 -41.34	94.35 4.48 -40.07	86.12 4.41 -32.16	94.24 4.74 -37.37	107.17 5.29 -45.61	120.09 5.73 -57.11	116.04 5.60 -53.88	99.41 5.51 -37.63	96.47 4.97 -40.30	80.24 4.44 -29.60	64.84 3.88 -18.32	69.24 3.55 -22.42
HUDSON_AVE_GT_4 23540	88.05 4.77 -27.19	85.60 4.08 -33.59	80.64 4.05 -27.26	80.53 3.85 -30.33	83.52 3.94 -32.09	87.48 4.73 -27.76	114.08 5.59 -49.59	132.95 5.63 -69.91	149.55 6.08 -82.66	142.20 5.40 -82.29	101.20 5.24 -39.63	101.15 4.84 -43.13	95.35 4.50 -41.34	94.35 4.48 -40.07	86.12 4.41 -32.16	94.24 4.74 -37.37	107.17 5.29 -45.61	120.09 5.73 -57.11	116.04 5.60 -53.88	99.41 5.51 -37.63	96.47 4.97 -40.30	80.24 4.44 -29.60	64.84 3.88 -18.32	69.24 3.55 -22.42
HUDSON_AVE_GT_5 23657	88.05 4.77 -27.19	85.60 4.08 -33.59	80.64 4.05 -27.26	80.53 3.85 -30.33	83.52 3.94 -32.09	87.48 4.73 -27.76	114.08 5.59 -49.59	132.95 5.63 -69.91	149.55 6.08 -82.66	142.20 5.40 -82.29	101.20 5.24 -39.63	101.15 4.84 -43.13	95.35 4.50 -41.34	94.35 4.48 -40.07	86.12 4.41 -32.16	94.24 4.74 -37.37	107.17 5.29 -45.61	120.09 5.73 -57.11	116.04 5.60 -53.88	99.41 5.51 -37.63	96.47 4.97 -40.30	80.24 4.44 -29.60	64.84 3.88 -18.32	69.24 3.55 -22.42
HUDSON_AVE_10 24168	87.99 4.71 -27.19	85.51 3.98 -33.59	80.59 4.00 -27.26	80.44 3.75 -30.33	83.47 4.62 -32.09	87.37 3.89 -27.76	114.13 5.65 -49.59	132.95 5.63 -69.91	149.55 6.08 -82.66	142.20 5.40 -82.29	101.20 5.24 -39.63	101.15 4.84 -43.13	95.35 4.50 -41.34	94.35 4.48 -40.07	86.12 4.41 -32.16	94.24 4.74 -37.37	107.17 5.29 -45.61	120.09 5.73 -57.11	116.04 5.60 -53.88	99.41 5.51 -37.63	96.47 4.97 -40.30	80.24 4.44 -29.60	64.84 3.88 -18.32	69.19 3.50 -22.42
HUDSON___115KV_TB 4 355613	91.60 2.86 -32.65	90.72 2.45 -40.33	84.68 2.61 -32.73	85.23 2.46 -36.42	88.54 2.52 -38.54	91.41 3.08 -33.33	121.77 3.53 -59.34	132.51 3.04 -72.05	116.80 3.28 -52.71	93.27 2.62 -36.14	73.67 2.70 -14.64	68.11 2.50 -12.42	66.53 2.28 -14.76	64.38 2.29 -12.29	65.44 2.38 -13.51	74.79 2.45 -20.22	90.70 2.64 -31.78	114.81 2.63 -54.91	106.69 2.71 -47.42	93.94 2.59 -35.09	89.48 2.30 -35.98	83.29 2.17 -34.91	66.49 1.92 -21.93	72.42 2.21 -26.94
HUNTER MOUNT___DRP 323613	90.74 2.92 -31.73	89.59 2.45 -39.20	83.81 2.66 -31.81	84.25 2.50 -35.40	87.50 2.56 -37.45	90.58 3.19 -32.39	120.27 3.71 -57.67	130.54 3.10 -70.02	115.37 3.34 -51.22	92.14 2.51 -35.12	73.20 2.65 -14.23	67.60 2.34 -12.07	66.02 2.18 -14.34	63.93 2.19 -11.94	65.01 2.33 -13.13	74.17 2.40 -19.65	89.75 2.59 -30.89	113.25 2.63 -53.36	105.36 2.71 -46.08	92.95 2.59 -34.10	88.42 2.25 -34.96	82.26 2.13 -33.93	65.78 1.83 -21.31	71.53 2.08 -26.18
HUNTINGTON_RES_REC 323705	109.77 5.78 -47.90	100.54 4.89 -47.71	93.99 4.93 -39.72	90.41 4.63 -39.42	98.35 4.79 -46.07	109.28 5.72 -48.56	114.89 6.59 -49.41	141.08 6.66 -77.00	128.54 7.05 -60.68	112.43 6.27 -51.64	100.50 6.36 -37.80	93.06 5.90 -33.97	79.04 5.44 -24.10	77.15 5.43 -21.92	94.75 5.40 -39.79	100.85 5.84 -42.89	127.80 6.47 -65.06	156.12 6.70 -92.16	156.94 6.61 -93.76	149.40 6.58 -86.56	121.48 5.99 -64.29	107.87 5.40 -56.26	84.13 4.86 -36.63	76.72 4.54 -28.92
HUNTLEY___63 23557	54.50 -5.72 -4.13	48.39 -4.65 -5.10	48.59 -4.88 -4.14	46.42 -4.54 -4.61	47.71 -4.65 -4.87	55.03 -4.18 -4.22	62.07 -4.30 -7.47	58.14 -5.11 -5.83	58.67 -5.66 -3.51	52.88 -5.23 -3.60	50.64 -6.25 -0.56	47.89 -5.90 -0.61	44.24 -5.79 -0.54	44.07 -6.17 -0.45	44.20 -5.85 -0.49	46.34 -6.46 -0.68	50.91 -6.87 -1.50	54.18 -5.73 -2.64	51.21 -5.49 -0.14	50.56 -6.41 -0.71	46.61 -6.30 -1.70	42.53 -5.36 -1.68	38.65 -5.07 -1.08	40.04 -4.54 -1.32
HUNTLEY___64 23558	54.50 -5.72 -4.13	48.39 -4.65 -5.10	48.59 -4.88 -4.14	46.42 -4.54 -4.61	47.71 -4.65 -4.87	55.03 -4.18 -4.22	62.07 -4.30 -7.47	58.14 -5.11 -5.83	58.67 -5.66 -3.51	52.88 -5.23 -3.60	50.64 -6.25 -0.56	47.89 -5.90 -0.61	44.24 -5.79 -0.54	44.07 -6.17 -0.45	44.20 -5.85 -0.49	46.34 -6.46 -0.68	50.91 -6.87 -1.50	54.18 -5.73 -2.64	51.21 -5.49 -0.14	50.56 -6.41 -0.71	46.61 -6.30 -1.70	42.53 -5.36 -1.68	38.65 -5.07 -1.08	40.04 -4.54 -1.32
HUNTLEY___65 23559	54.50 -5.72 -4.13	48.39 -4.65 -5.10	48.59 -4.88 -4.14	46.42 -4.54 -4.61	47.71 -4.65 -4.87	55.03 -4.18 -4.22	62.07 -4.30 -7.47	58.14 -5.11 -5.83	58.67 -5.66 -3.51	52.88 -5.23 -3.60	50.64 -6.25 -0.56	47.89 -5.90 -0.61	44.24 -5.79 -0.54	44.07 -6.17 -0.45	44.20 -5.85 -0.49	46.34 -6.46 -0.68	50.91 -6.87 -1.50	54.18 -5.73 -2.64	51.21 -5.49 -0.14	50.56 -6.41 -0.71	46.61 -6.30 -1.70	42.53 -5.36 -1.68	38.65 -5.07 -1.08	40.04 -4.54 -1.32
HUNTLEY___66 23560	54.50 -5.72 -4.13	48.39 -4.65 -5.10	48.59 -4.88 -4.14	46.42 -4.54 -4.61	47.71 -4.65 -4.87	55.03 -4.18 -4.22	62.07 -4.30 -7.47	58.14 -5.11 -5.83	58.67 -5.66 -3.51	52.88 -5.23 -3.60	50.64 -6.25 -0.56	47.89 -5.90 -0.61	44.24 -5.79 -0.54	44.07 -6.17 -0.45	44.20 -5.85 -0.49	46.34 -6.46 -0.68	50.91 -6.87 -1.50	54.18 -5.73 -2.64	51.21 -5.49 -0.14	50.56 -6.41 -0.71	46.61 -6.30 -1.70	42.53 -5.36 -1.68	38.65 -5.07 -1.08	40.04 -4.54 -1.32
HUNTLEY___67 23561	54.53 -5.78 -4.22	48.46 -4.70 -5.21	48.63 -4.93 -4.23	46.47 -4.59 -4.71	47.76 -4.70 -4.98	55.07 -4.23 -4.31	62.26 -4.30 -7.67	58.02 -5.05 -5.65	58.47 -5.59 -3.26	53.01 -5.12 -3.62	50.68 -6.20 -0.55	47.52 -6.17 -0.51	44.27 -5.74 -0.52	44.15 -6.08 -0.43	44.23 -5.80 -0.47	46.47 -6.31 -0.65	51.06 -6.70 -1.48	53.91 -5.96 -2.60	50.27 -5.88 0.41	50.14 -6.58 -0.46	46.68 -6.20 -1.68	42.55 -5.31 -1.66	38.76 -4.95 -1.06	40.07 -4.50 -1.30
HUNTLEY___68 23562	54.53 -5.78 -4.22	48.46 -4.70 -5.21	48.63 -4.93 -4.23	46.47 -4.59 -4.71	47.76 -4.70 -4.98	55.07 -4.23 -4.31	62.26 -4.30 -7.67	58.02 -5.05 -5.65	58.47 -5.59 -3.26	53.01 -5.12 -3.62	50.68 -6.20 -0.55	47.52 -6.17 -0.51	44.27 -5.74 -0.52	44.15 -6.08 -0.43	44.23 -5.80 -0.47	46.47 -6.31 -0.65	51.06 -6.70 -1.48	53.91 -5.96 -2.60	50.27 -5.88 0.41	50.14 -6.58 -0.46	46.68 -6.20 -1.68	42.55 -5.31 -1.66	38.76 -4.95 -1.06	40.07 -4.50 -1.30

HYLAND___LFGE 323620	60.71 -0.06 -4.68	53.68 -0.05 -5.78	53.88 -0.15 -4.69	51.53 -0.05 -5.22	52.96 -0.05 -5.52	60.98 1.21 -4.78	69.63 2.24 -8.50	76.19 1.72 -17.05	78.35 0.91 -16.63	59.68 0.16 -4.99	54.97 -1.24 0.12	56.78 -1.59 -5.19	47.57 -1.73 0.20	47.70 -1.94 0.16	47.94 -1.44 0.18	50.36 -1.40 0.36	56.36 -0.39 -0.48	59.19 1.03 -0.90	73.10 0.85 -15.69	63.12 -0.28 -7.13	51.39 -0.36 -0.54	46.21 -0.46 -0.47	42.64 -0.38 -0.38	43.47 -0.26 -0.46
INDECK___CORINTH 23802	94.27 3.54 -34.64	93.75 3.02 -42.79	87.17 3.11 -34.73	87.92 2.92 -38.64	91.45 3.08 -40.88	94.26 3.90 -35.36	126.38 4.53 -62.96	138.39 4.53 -76.44	121.65 4.92 -55.91	97.00 4.14 -38.34	75.86 4.00 -15.54	70.09 3.72 -13.18	68.52 3.37 -15.65	66.22 3.39 -13.04	67.26 3.37 -14.33	77.38 3.80 -21.45	94.16 4.16 -33.72	119.99 4.47 -58.26	111.40 4.53 -50.31	97.71 4.22 -37.23	93.06 3.69 -38.17	86.43 3.19 -37.04	68.74 2.86 -23.25	74.43 2.60 -28.56
INDECK___ILION 23567	57.94 1.85 0.00	49.48 1.53 0.00	50.87 1.53 0.00	47.79 1.44 0.00	49.01 1.52 0.00	56.86 1.87 0.00	61.01 2.12 0.00	59.54 2.12 0.00	63.06 2.25 0.00	56.54 2.02 0.00	58.30 1.97 0.00	54.99 1.81 0.00	51.13 1.63 0.00	51.39 1.59 0.00	51.14 1.59 0.00	53.79 1.67 0.00	58.19 1.91 0.00	59.32 2.06 0.00	58.48 1.92 0.00	58.12 1.86 0.00	52.79 1.59 0.00	47.59 1.39 0.00	43.88 1.24 0.00	44.48 1.21 0.00
INDECK___OLEAN 23982	55.23 -5.78 -4.91	49.22 -4.79 -6.07	49.28 -4.98 -4.92	47.20 -4.63 -5.48	48.53 -4.75 -5.80	55.50 -4.51 -5.01	63.52 -4.30 -8.92	61.26 -3.96 -7.81	61.45 -4.26 -4.90	55.16 -3.87 -4.51	51.67 -5.30 -0.64	49.26 -4.79 -0.86	45.20 -4.90 -0.60	46.02 -4.28 -0.50	45.55 -4.56 -0.55	49.39 -3.49 -0.76	53.92 -3.60 -1.25	53.70 -5.78 -2.22	54.39 -5.09 -2.92	55.16 -2.93 -1.82	49.60 -3.02 -1.42	44.12 -3.47 -1.38	38.94 -4.61 -0.91	39.48 -4.89 -1.11
INDECK___OSWEGO 23783	56.63 -1.57 -2.11	49.21 -1.34 -2.61	50.07 -1.38 -2.12	47.41 -1.30 -2.36	48.70 -1.28 -2.49	55.94 -1.21 -2.16	61.61 -1.12 -3.84	61.05 -1.03 -4.66	63.00 -1.22 -3.41	55.71 -1.15 -2.34	55.81 -1.46 -0.95	52.50 -1.49 -0.80	49.02 -1.44 -0.95	49.10 -1.49 -0.79	48.99 -1.44 -0.87	51.92 -1.51 -1.31	56.86 -1.46 -2.05	59.66 -1.14 -3.54	58.43 -1.19 -3.06	57.06 -1.46 -2.26	52.15 -1.38 -2.32	47.22 -1.25 -2.26	42.91 -1.15 -1.42	43.84 -1.17 -1.74
INDECK___YERKES 23781	54.56 -5.66 -4.13	48.44 -4.60 -5.10	48.64 -4.83 -4.14	46.47 -4.50 -4.61	47.76 -4.61 -4.87	55.03 -4.18 -4.22	62.01 -4.36 -7.47	58.20 -5.05 -5.83	58.67 -5.65 -3.51	53.05 -5.07 -3.60	50.64 -6.25 -0.56	47.99 -5.80 -0.61	44.44 -6.03 -0.54	44.22 -5.85 -0.45	44.20 -5.85 -0.49	46.39 -6.41 -0.68	50.93 -6.81 -1.46	54.23 -5.61 -2.58	51.61 -5.49 -0.54	50.32 -6.81 -0.87	46.82 -6.04 -1.66	42.51 -5.31 -1.62	39.21 -4.48 -1.04	40.13 -4.41 -1.28
INDIAN POINT_GT_1 24139	87.01 4.04 -26.88	84.55 3.40 -33.21	79.74 3.45 -26.95	79.63 3.29 -29.99	82.54 3.32 -31.73	86.40 3.96 -27.44	112.46 4.71 -48.86	122.04 4.77 -59.85	111.31 5.11 -45.39	91.47 4.53 -32.43	73.75 4.39 -13.03	68.62 4.04 -11.40	66.44 3.76 -13.18	64.71 3.73 -11.18	65.04 3.62 -11.86	73.40 3.91 -17.37	87.56 4.45 -26.84	110.00 4.87 -47.88	103.93 4.81 -42.56	90.26 4.67 -29.33	85.57 4.20 -30.16	78.72 3.74 -28.77	63.93 3.24 -18.04	68.38 2.94 -22.17
INDIAN POINT_GT_2 23659	87.01 4.04 -26.88	84.55 3.40 -33.21	79.74 3.45 -26.95	79.63 3.29 -29.99	82.54 3.32 -31.73	86.40 3.96 -27.44	112.46 4.71 -48.86	122.04 4.77 -59.85	111.31 5.11 -45.39	91.47 4.53 -32.43	73.75 4.39 -13.03	68.62 4.04 -11.40	66.44 3.76 -13.18	64.71 3.73 -11.18	65.04 3.62 -11.86	73.40 3.91 -17.37	87.56 4.45 -26.84	110.00 4.87 -47.88	103.93 4.81 -42.56	90.26 4.67 -29.33	85.57 4.20 -30.16	78.72 3.74 -28.77	63.93 3.24 -18.04	68.38 2.94 -22.17
INDIAN POINT_GT_3 24019	87.01 4.04 -26.88	84.55 3.40 -33.21	79.74 3.45 -26.95	79.63 3.29 -29.99	82.54 3.32 -31.73	86.40 3.96 -27.44	112.46 4.71 -48.86	122.04 4.77 -59.85	111.31 5.11 -45.39	91.47 4.53 -32.43	73.75 4.39 -13.03	68.62 4.04 -11.40	66.44 3.76 -13.18	64.71 3.73 -11.18	65.04 3.62 -11.86	73.40 3.91 -17.37	87.56 4.45 -26.84	110.00 4.87 -47.88	103.93 4.81 -42.56	90.26 4.67 -29.33	85.57 4.20 -30.16	78.72 3.74 -28.77	63.93 3.24 -18.04	68.38 2.94 -22.17
INDIAN POINT___2 23530	86.58 3.93 -26.57	84.07 3.31 -32.82	79.33 3.36 -26.63	79.18 3.20 -29.63	82.12 3.27 -31.36	86.02 3.90 -27.12	111.78 4.60 -48.29	121.20 4.65 -59.13	110.58 4.99 -44.78	90.87 4.41 -31.94	73.45 4.28 -12.84	68.34 3.94 -11.22	66.15 3.66 -12.99	64.44 3.63 -11.01	64.77 3.52 -11.69	73.06 3.80 -17.14	87.10 4.33 -26.50	109.21 4.75 -47.20	103.12 4.64 -41.92	89.78 4.56 -28.97	85.09 4.10 -29.79	78.29 3.65 -28.43	63.84 3.20 -18.00	68.29 2.90 -22.12
INDIAN POINT___3 23531	86.90 3.93 -26.88	84.51 3.36 -33.21	79.69 3.40 -26.95	79.59 3.24 -29.99	82.49 3.28 -31.73	86.34 3.90 -27.45	112.35 4.59 -48.87	121.91 4.65 -59.84	111.11 4.99 -45.32	91.31 4.47 -32.32	73.60 4.28 -12.99	68.52 3.99 -11.35	66.30 3.66 -13.14	64.57 3.64 -11.14	64.96 3.57 -11.83	73.32 3.86 -17.34	87.42 4.33 -26.82	109.79 4.75 -47.77	103.62 4.64 -42.43	90.13 4.56 -29.31	85.44 4.10 -30.14	78.63 3.65 -28.77	63.89 3.20 -18.05	68.34 2.90 -22.17
INGHAM_C_115KV_TB7 356103	59.01 2.92 0.00	50.39 2.45 0.00	51.75 2.42 0.00	48.63 2.27 0.00	49.86 2.37 0.00	57.96 2.97 0.00	62.19 3.30 0.00	60.69 3.27 0.00	64.34 3.53 0.00	57.74 3.22 0.00	59.48 3.15 0.00	56.11 2.93 0.00	52.22 2.72 0.00	52.48 2.69 0.00	52.18 2.63 0.00	54.83 2.71 0.00	59.25 2.98 0.00	60.41 3.15 0.00	59.45 2.88 0.00	59.13 2.87 0.00	53.66 2.46 0.00	48.38 2.17 0.00	44.56 1.92 0.00	45.17 1.90 0.00
IP CORINTH___1 23988	94.26 3.53 -34.64	93.75 3.02 -42.79	87.17 3.11 -34.73	87.91 2.92 -38.64	91.46 3.09 -40.88	94.26 3.90 -35.36	126.38 4.53 -62.96	138.39 4.54 -76.44	121.65 4.93 -55.91	97.00 4.14 -38.34	75.86 4.00 -15.54	70.09 3.72 -13.18	68.52 3.37 -15.65	66.22 3.39 -13.04	67.26 3.37 -14.33	77.38 3.80 -21.45	94.16 4.16 -33.72	120.04 4.52 -58.26	111.40 4.52 -50.31	97.71 4.22 -37.23	93.06 3.69 -38.17	86.43 3.19 -37.04	68.72 2.81 -23.26	74.45 2.60 -28.58
IP___TICONDEROGA 23804	96.30 5.61 -34.60	95.53 4.84 -42.74	88.96 4.93 -34.69	89.68 4.73 -38.60	93.31 4.99 -40.84	96.59 6.27 -35.32	129.20 7.42 -62.89	141.18 7.41 -76.35	124.63 7.97 -55.85	99.47 6.65 -38.30	78.21 6.37 -15.52	72.31 5.96 -13.17	70.48 5.35 -15.64	68.15 5.33 -13.03	69.22 5.35 -14.31	79.54 5.99 -21.43	96.60 6.64 -33.69	122.56 7.10 -58.20	114.00 7.18 -50.26	100.20 6.75 -37.19	95.17 5.84 -38.13	88.19 4.99 -37.00	70.31 4.43 -23.24	75.93 4.11 -28.55
ISLIP_RES_REC 323679	110.78 6.78 -47.90	101.30 5.65 -47.71	94.78 5.72 -39.72	91.19 5.42 -39.42	99.16 5.60 -46.07	110.15 6.60 -48.56	115.84 7.54 -49.41	142.06 7.64 -77.00	129.52 8.03 -60.68	113.36 7.20 -51.64	101.91 7.78 -37.80	94.39 7.23 -33.97	80.18 6.58 -24.10	78.34 6.62 -21.92	96.04 6.69 -39.79	102.16 7.14 -42.89	129.10 7.77 -65.06	157.61 8.19 -92.16	158.35 8.03 -93.76	150.59 7.77 -86.56	122.45 6.96 -64.29	108.89 6.42 -56.26	85.19 5.93 -36.63	77.85 5.67 -28.92

JAMAICA__27_KV_LOAD 355505	88.44 5.16 -27.19	85.94 4.41 -33.59	80.94 4.34 -27.26	80.76 4.08 -30.33	83.80 4.23 -32.09	87.81 5.06 -27.76	114.92 6.42 -49.61	135.78 6.37 -71.99	158.58 6.87 -90.90	153.96 6.05 -93.39	101.87 5.91 -39.63	101.79 5.48 -43.13	99.30 5.10 -44.70	99.30 5.08 -44.42	91.26 5.01 -36.70	99.32 5.37 -41.83	107.90 6.02 -45.61	121.96 6.47 -58.23	119.04 6.39 -56.08	101.93 6.25 -39.42	99.33 5.63 -42.49	80.93 5.04 -29.69	65.44 4.48 -18.32	69.54 3.85 -22.42
JANIS__SOLAR 323808	66.56 3.03 -7.45	59.68 2.54 -9.20	59.41 2.61 -7.46	57.16 2.50 -8.31	58.93 2.66 -8.79	66.39 3.79 -7.60	77.19 4.77 -13.53	79.17 4.94 -16.81	78.25 4.80 -12.64	66.38 3.71 -8.15	65.94 2.93 -6.68	58.61 2.34 -3.09	58.18 1.83 -6.85	57.34 1.84 -5.70	57.70 1.88 -6.27	64.15 2.50 -9.52	73.58 3.60 -13.70	85.21 4.41 -23.54	78.10 4.19 -17.36	73.89 3.83 -13.80	69.88 3.18 -15.50	64.00 2.59 -15.21	54.07 2.05 -9.38	56.84 2.03 -11.54
JARVIS____ 23743	56.93 0.84 0.00	48.61 0.67 0.00	50.03 0.69 0.00	47.00 0.65 0.00	48.15 0.66 0.00	55.87 0.88 0.00	59.89 1.00 0.00	58.39 0.98 0.00	61.84 1.03 0.00	55.44 0.93 0.00	57.17 0.85 0.00	53.93 0.74 0.00	50.19 0.69 0.00	50.49 0.70 0.00	50.20 0.64 0.00	52.85 0.73 0.00	57.12 0.85 0.00	58.17 0.91 0.00	57.46 0.90 0.00	57.11 0.85 0.00	51.92 0.72 0.00	46.85 0.65 0.00	43.19 0.55 0.00	43.83 0.56 0.00
JENNISON____1 23625	69.45 3.76 -9.60	62.97 3.16 -11.86	62.17 3.21 -9.62	60.12 3.06 -10.71	62.00 3.18 -11.33	69.08 4.29 -9.80	81.58 5.24 -17.45	84.19 5.45 -21.31	82.13 5.53 -15.79	69.62 4.58 -10.52	65.64 4.06 -5.26	60.43 3.46 -3.79	57.75 2.92 -5.34	57.13 2.89 -4.44	57.31 2.87 -4.88	62.86 3.39 -7.35	71.83 4.33 -11.23	81.66 5.04 -19.36	77.49 4.75 -16.18	72.92 4.50 -12.15	67.70 3.79 -12.71	61.72 3.19 -12.32	52.96 2.60 -7.72	55.31 2.55 -9.49
JENNISON____2 23626	69.45 3.76 -9.60	62.97 3.16 -11.86	62.17 3.21 -9.62	60.12 3.06 -10.71	62.00 3.18 -11.33	69.08 4.29 -9.80	81.58 5.24 -17.45	84.19 5.45 -21.31	82.13 5.53 -15.79	69.62 4.58 -10.52	65.64 4.06 -5.26	60.43 3.46 -3.79	57.75 2.92 -5.34	57.13 2.89 -4.44	57.31 2.87 -4.88	62.86 3.39 -7.35	71.83 4.33 -11.23	81.66 5.04 -19.36	77.49 4.75 -16.18	72.92 4.50 -12.15	67.70 3.79 -12.71	61.72 3.19 -12.32	52.96 2.60 -7.72	55.31 2.55 -9.49
JERICOHO_RISE_WT_PWR 323719	54.74 -1.35 0.00	46.75 -1.20 0.00	48.20 -1.13 0.00	45.15 -1.21 0.00	46.01 -1.47 0.00	52.63 -2.36 0.00	55.65 -3.24 0.00	54.43 -2.99 0.00	57.52 -3.28 0.00	51.68 -2.84 0.00	53.79 -2.53 0.00	51.06 -2.13 0.00	47.77 -1.73 0.00	48.25 -1.54 0.00	48.02 -1.54 0.00	50.56 -1.56 0.00	54.08 -2.20 0.00	54.40 -2.86 0.00	53.45 -3.11 0.00	53.17 -3.09 0.00	48.34 -2.87 0.00	-2.87 -2.68 46.39	-2.69 -2.43 42.90	41.36 -1.90 0.00
KATONAH__115KV_46KV_TB4 355592	88.07 4.54 -27.44	85.72 3.88 -33.89	80.74 3.90 -27.50	80.71 3.75 -30.60	83.62 3.75 -32.38	87.40 4.40 -28.01	114.11 5.36 -49.86	123.55 5.51 -60.62	111.26 5.90 -44.55	90.29 5.07 -30.70	73.64 5.01 -12.30	68.19 4.57 -10.43	66.05 4.16 -12.39	64.25 4.13 -10.32	64.91 4.01 -11.34	73.53 4.43 -16.98	87.92 4.95 -26.69	109.86 5.50 -47.11	103.13 5.43 -41.14	91.09 5.29 -29.54	86.26 4.76 -30.30	79.79 4.25 -29.34	64.59 3.54 -18.41	69.14 3.25 -22.63
KCE_NY_1 323755	94.12 3.48 -34.55	93.64 3.02 -42.68	87.03 3.06 -34.63	87.77 2.87 -38.54	91.26 2.99 -40.78	93.95 3.69 -35.27	125.80 4.12 -62.79	137.67 4.02 -76.24	121.01 4.44 -55.77	96.57 3.82 -38.24	75.54 3.72 -15.50	69.84 3.51 -13.15	68.33 3.22 -15.61	65.99 3.19 -13.01	67.07 3.22 -14.29	77.06 3.55 -21.39	93.79 3.88 -33.63	119.49 4.13 -58.11	110.81 4.07 -50.18	97.27 3.88 -37.13	92.70 3.43 -38.07	86.15 3.00 -36.94	68.60 2.77 -23.19	74.35 2.60 -28.49
KCE_NY_6_ESR 323823	55.15 -5.33 -4.39	49.00 -4.36 -5.42	49.15 -4.59 -4.40	46.99 -4.26 -4.90	48.30 -4.37 -5.18	55.57 -3.90 -4.48	63.04 -3.83 -7.97	59.06 -4.37 -6.00	59.38 -4.81 -3.38	54.05 -4.36 -3.90	51.29 -5.58 -0.54	48.20 -5.48 -0.49	44.81 -5.20 -0.51	45.00 -5.23 -0.43	44.87 -5.15 -0.47	47.45 -5.32 -0.64	52.12 -5.57 -1.42	54.33 -5.44 -2.51	51.14 -5.32 0.10	51.37 -5.46 -0.57	47.85 -4.97 -1.61	43.20 -4.58 -1.57	39.48 -4.18 -1.01	40.27 -4.24 -1.24
KEDC_PORT_JEFF_GT2 24210	110.39 6.39 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.87 5.10 -39.42	98.83 5.27 -46.07	109.77 6.21 -48.56	115.36 7.06 -49.41	141.60 7.18 -77.00	129.03 7.54 -60.68	112.92 6.76 -51.64	101.45 7.32 -37.80	93.96 6.81 -33.97	79.84 6.24 -24.10	77.94 6.22 -21.92	95.64 6.29 -39.79	101.74 6.73 -42.89	128.59 7.26 -65.06	156.98 7.56 -92.16	157.73 7.41 -93.76	150.08 7.26 -86.56	122.05 6.56 -64.29	108.52 6.05 -56.26	84.85 5.58 -36.63	77.55 5.36 -28.92
KEDC_PORT_JEFF_GT3 24211	110.39 6.39 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.87 5.10 -39.42	98.83 5.27 -46.07	109.77 6.21 -48.56	115.36 7.06 -49.41	141.60 7.18 -77.00	129.03 7.54 -60.68	112.92 6.76 -51.64	101.45 7.32 -37.80	93.96 6.81 -33.97	79.84 6.24 -24.10	77.94 6.22 -21.92	95.64 6.29 -39.79	101.74 6.73 -42.89	128.59 7.26 -65.06	156.98 7.56 -92.16	157.73 7.41 -93.76	150.08 7.26 -86.56	122.05 6.56 -64.29	108.52 6.05 -56.26	84.85 5.58 -36.63	77.55 5.36 -28.92
KEDC_GLWD_GT4 24219	109.55 5.55 -47.90	100.35 4.70 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.16 4.60 -46.07	109.06 5.50 -48.56	114.24 5.95 -49.41	140.39 5.97 -77.00	127.94 6.44 -60.68	111.89 5.72 -51.64	99.66 5.52 -37.80	92.31 5.16 -33.97	78.35 4.75 -24.10	76.45 4.73 -21.92	94.01 4.66 -39.79	99.97 4.95 -42.89	126.96 5.63 -65.06	155.49 6.07 -92.16	156.31 5.99 -93.76	148.67 5.85 -86.56	120.77 5.28 -64.29	107.13 4.66 -56.26	83.36 4.09 -36.62	75.94 3.76 -28.91
KEDC_GLWD_GT5 24220	109.55 5.55 -47.90	100.35 4.70 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.16 4.60 -46.07	109.06 5.50 -48.56	114.24 5.95 -49.41	140.39 5.97 -77.00	127.94 6.44 -60.68	111.89 5.72 -51.64	99.66 5.52 -37.80	92.31 5.16 -33.97	78.35 4.75 -24.10	76.45 4.73 -21.92	94.01 4.66 -39.79	99.97 4.95 -42.89	126.96 5.63 -65.06	155.49 6.07 -92.16	156.31 5.99 -93.76	148.67 5.85 -86.56	120.77 5.28 -64.29	107.13 4.66 -56.26	83.36 4.09 -36.62	75.94 3.76 -28.91
KENSICO____ 23655	87.46 4.26 -27.11	85.02 3.60 -33.49	80.16 3.65 -27.18	80.02 3.43 -30.24	82.99 3.51 -31.99	86.90 4.23 -27.67	113.11 4.95 -49.27	122.87 5.00 -60.46	112.37 5.41 -46.15	92.52 4.80 -33.20	74.33 4.68 -13.33	69.21 4.31 -11.71	67.00 4.01 -13.49	65.21 3.93 -11.48	65.52 3.87 -12.10	73.95 4.17 -17.65	88.14 4.67 -27.20	111.13 5.10 -48.78	105.17 5.03 -43.57	90.82 4.89 -29.66	86.13 4.40 -30.52	79.15 3.93 -29.02	64.25 3.41 -18.20	68.78 3.16 -22.36
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	85.94 4.21 -25.64	83.12 3.50 -31.67	78.59 3.55 -25.70	78.34 3.38 -28.60	81.21 3.47 -30.26	85.40 4.23 -26.18	110.67 5.18 -46.60	119.11 5.11 -56.58	107.55 5.35 -41.39	87.30 4.42 -28.37	71.93 4.11 -11.49	66.66 3.72 -9.75	64.00 2.92 -11.58	62.33 2.89 -9.65	63.03 2.87 -10.60	71.28 3.28 -15.87	85.28 4.05 -24.95	105.06 4.70 -43.11	98.48 4.69 -37.22	88.31 4.50 -27.55	83.85 4.40 -28.24	77.50 3.88 -27.42	63.05 3.20 -17.21	67.23 2.81 -21.15

KIAC_JFK_GT1 23816	88.27 4.99 -27.19	85.80 4.27 -33.59	80.79 4.19 -27.26	80.62 3.94 -30.33	83.66 4.08 -32.09	87.64 4.89 -27.76	114.75 6.24 -49.61	135.61 6.20 -71.99	158.34 6.63 -90.90	153.80 5.89 -93.39	101.70 5.75 -39.63	101.63 5.32 -43.13	99.15 4.95 -44.70	99.15 4.93 -44.42	91.11 4.86 -36.70	99.17 5.21 -41.83	107.68 5.80 -45.61	121.73 6.24 -58.23	118.81 6.17 -56.08	101.76 6.08 -39.42	99.12 5.43 -42.49	80.75 4.85 -29.69	65.27 4.31 -18.32	69.41 3.72 -22.42
KIAC_JFK_GT2 23817	88.27 4.99 -27.19	85.80 4.27 -33.59	80.79 4.19 -27.26	80.62 3.94 -30.33	83.66 4.08 -32.09	87.64 4.89 -27.76	114.75 6.24 -49.61	135.61 6.20 -71.99	158.34 6.63 -90.90	153.80 5.89 -93.39	101.70 5.75 -39.63	101.63 5.32 -43.13	99.15 4.95 -44.70	99.15 4.93 -44.42	91.11 4.86 -36.70	99.17 5.21 -41.83	107.68 5.80 -45.61	121.73 6.24 -58.23	118.81 6.17 -56.08	101.76 6.08 -39.42	99.12 5.43 -42.49	80.75 4.85 -29.69	65.27 4.31 -18.32	69.41 3.72 -22.42
KIAC_JFK____ 323774	88.27 4.99 -27.19	85.79 4.27 -33.59	80.78 4.19 -27.26	80.62 3.94 -30.33	83.66 4.08 -32.09	87.64 4.89 -27.76	114.68 6.18 -49.61	135.61 6.20 -71.99	158.34 6.63 -90.90	153.80 5.89 -93.39	101.64 5.69 -39.63	101.63 5.32 -43.13	99.15 4.95 -44.70	99.15 4.93 -44.42	91.11 4.86 -36.70	99.16 5.21 -41.83	107.68 5.80 -45.61	121.73 6.24 -58.23	118.81 6.17 -56.08	101.71 6.02 -39.42	99.18 5.48 -42.49	80.75 4.85 -29.69	65.50 4.35 -18.50	69.63 3.72 -22.65
KINTIGH____ 23543	54.97 -4.77 -3.65	48.56 -3.88 -4.50	48.95 -4.05 -3.65	46.67 -3.75 -4.07	47.94 -3.85 -4.30	55.31 -3.41 -3.72	62.16 -3.36 -6.63	60.75 -4.19 -7.52	60.76 -4.74 -4.69	54.61 -4.36 -4.45	51.60 -5.35 -0.63	48.55 -5.48 -0.84	44.99 -5.10 -0.59	44.61 -5.68 -0.49	44.80 -5.30 -0.54	46.79 -6.10 -0.77	51.35 -6.47 -1.55	55.05 -4.92 -2.72	52.79 -5.03 -1.26	51.03 -6.47 -1.23	46.87 -6.09 -1.76	42.98 -4.94 -1.72	39.18 -4.56 -1.10	40.89 -3.72 -1.35
KNTFSRNC_46_KV_46KV_LOAD 80397	55.59 -0.50 0.00	47.42 -0.53 0.00	48.99 -0.35 0.00	45.89 -0.46 0.00	46.77 -0.71 0.00	53.45 -1.54 0.00	56.48 -2.41 0.00	55.35 -2.07 0.00	58.44 -2.37 0.00	52.45 -2.07 0.00	54.47 -1.86 0.00	51.64 -1.54 0.00	48.31 -1.19 0.00	48.80 -1.00 0.00	48.56 -0.99 0.00	51.18 -0.94 0.00	54.87 -1.41 0.00	55.20 -2.06 0.00	54.24 -2.32 0.00	53.79 -2.48 0.00	48.95 -2.25 0.00	0.01 -2.26 43.93	0.18 -1.83 40.63	41.88 -1.38 0.00
LACHUTE____HYDRO 323717	96.30 5.61 -34.60	95.53 4.84 -42.74	88.96 4.93 -34.69	89.68 4.73 -38.60	93.31 4.98 -40.84	96.58 6.27 -35.32	129.20 7.42 -62.89	141.18 7.41 -76.35	124.63 7.96 -55.85	99.47 6.65 -38.30	78.27 6.42 -15.52	72.31 5.96 -13.17	70.48 5.35 -15.64	68.15 5.33 -13.03	69.18 5.31 -14.31	79.54 5.99 -21.43	96.59 6.64 -33.68	122.55 7.10 -58.19	114.00 7.18 -50.25	100.20 6.75 -37.19	95.17 5.84 -38.13	88.19 4.99 -37.00	70.30 4.43 -23.22	75.91 4.11 -28.53
LAWRNCV_115KV_TB1 80681	54.74 -1.35 0.00	46.74 -1.20 0.00	48.20 -1.13 0.00	45.24 -1.11 0.00	46.35 -1.14 0.00	52.79 -2.20 0.00	56.30 -2.59 0.00	55.18 -2.24 0.00	58.25 -2.55 0.00	52.28 -2.24 0.00	54.30 -2.03 0.00	51.38 -1.81 0.00	47.87 -1.63 0.00	48.25 -1.54 0.00	47.92 -1.64 0.00	50.56 -1.56 0.00	54.42 -1.86 0.00	54.91 -2.35 0.00	54.18 -2.38 0.00	54.12 -2.14 0.00	49.31 -1.89 0.00	49.92 -1.85 -5.56	46.46 -1.32 -5.14	42.32 -0.95 0.00
LEDERLE____ 23769	86.28 3.98 -26.21	83.72 3.40 -32.37	79.06 3.45 -26.27	78.88 3.29 -29.23	81.74 3.32 -30.93	85.71 3.96 -26.75	111.23 4.71 -47.63	120.41 4.77 -58.22	109.68 5.11 -43.77	90.00 4.53 -30.96	73.13 4.34 -12.47	68.05 4.04 -10.83	65.81 3.71 -12.60	64.12 3.68 -10.64	64.51 3.57 -11.38	72.74 3.86 -16.76	86.66 4.39 -26.00	108.15 4.87 -46.02	102.01 4.81 -40.64	89.42 4.67 -28.48	84.62 4.15 -29.27	77.99 3.74 -28.04	63.47 3.24 -17.59	67.78 2.90 -21.61
LIGHTHSE_115KV_TB6 355974	57.38 -0.67 -1.96	49.79 -0.58 -2.42	50.66 -0.64 -1.96	47.94 -0.60 -2.19	49.28 -0.52 -2.31	56.72 -0.27 -2.00	62.33 -0.12 -3.56	61.69 -0.06 -4.32	63.79 -0.18 -3.16	56.41 -0.27 -2.17	56.53 -0.68 -0.88	53.08 -0.85 -0.74	49.49 -0.89 -0.88	49.59 -0.95 -0.74	49.52 -0.84 -0.81	52.55 -0.78 -1.21	57.55 -0.62 -1.90	60.37 -0.17 -3.28	59.11 -0.28 -2.83	57.80 -0.56 -2.10	52.64 -0.72 -2.15	47.65 -0.65 -2.10	43.14 -0.81 -1.31	44.23 -0.65 -1.61
LINDEN COGEN____ 23786	87.66 4.38 -27.19	85.27 3.74 -33.59	80.34 3.75 -27.26	80.20 3.52 -30.33	83.23 3.66 -32.09	87.09 4.34 -27.76	99.50 5.18 -35.42	111.45 5.22 -48.81	101.84 5.59 -35.44	97.51 4.96 -38.03	95.00 4.84 -33.83	95.00 4.47 -37.35	95.00 4.16 -41.34	94.00 4.13 -40.07	85.78 4.06 -32.16	93.87 4.38 -37.37	95.56 4.89 -34.40	97.00 5.26 -34.48	97.00 5.20 -35.24	95.00 5.07 -33.67	95.00 4.61 -39.19	79.91 4.11 -29.60	64.77 3.62 -18.50	69.20 3.29 -22.65
LINDHRST_69_KV_BK1 356055	110.17 6.17 -47.90	100.92 5.27 -47.71	94.34 5.28 -39.72	90.78 5.01 -39.42	98.69 5.13 -46.07	109.72 6.16 -48.56	115.36 7.07 -49.41	141.60 7.18 -77.00	129.09 7.60 -60.68	100.89 6.71 -51.64	93.38 6.22 -37.80	79.39 5.79 -33.97	77.49 5.78 -24.10	77.49 5.78 -21.92	95.10 5.75 -39.79	101.17 6.15 -42.89	128.20 6.87 -65.06	156.81 7.39 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.15 5.68 -56.26	84.16 5.07 -36.44	76.76 4.80 -28.69
LIPA_MISC_IPP 23656	110.33 6.34 -47.90	101.21 5.56 -47.71	94.64 5.58 -39.72	91.10 5.33 -39.42	98.88 5.32 -46.07	109.72 6.16 -48.56	114.89 6.60 -49.41	141.26 6.83 -77.00	128.61 7.11 -60.68	112.65 6.49 -51.64	101.57 7.44 -37.80	94.12 6.97 -33.97	79.93 6.34 -24.10	78.09 6.37 -21.92	95.79 6.44 -39.79	101.85 6.83 -42.89	128.48 7.15 -65.06	156.98 7.56 -92.16	157.68 7.35 -93.76	149.75 6.92 -86.56	121.74 6.25 -64.29	108.47 6.01 -56.26	84.84 5.76 -36.44	77.50 5.54 -28.69
LISF__SOLAR 323691	110.39 6.39 -47.90	101.06 5.42 -47.71	94.49 5.43 -39.72	90.92 5.14 -39.42	98.88 5.32 -46.07	109.66 6.10 -48.56	115.07 6.77 -49.41	141.37 6.94 -77.00	128.73 7.23 -60.68	112.76 6.59 -51.64	101.68 7.55 -37.80	94.23 7.07 -33.97	80.03 6.43 -24.10	78.14 6.43 -21.92	95.89 6.54 -39.79	101.95 6.93 -42.89	128.64 7.31 -65.06	157.10 7.68 -92.16	157.84 7.52 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.57 6.10 -56.26	85.11 5.84 -36.63	77.80 5.62 -28.92
LITTLE FALLS____HYD 24013	59.01 2.92 0.00	50.39 2.45 0.00	51.75 2.42 0.00	48.63 2.27 0.00	49.86 2.37 0.00	57.96 2.97 0.00	62.19 3.30 0.00	60.69 3.27 0.00	64.34 3.53 0.00	57.74 3.22 0.00	59.48 3.15 0.00	56.11 2.93 0.00	52.22 2.72 0.00	52.48 2.69 0.00	52.18 2.63 0.00	54.83 2.71 0.00	59.25 2.98 0.00	60.41 3.15 0.00	59.45 2.88 0.00	59.13 2.87 0.00	53.66 2.46 0.00	48.38 2.17 0.00	44.56 1.92 0.00	45.17 1.90 0.00
LITTLRIV_115KV_TB1 356100	55.36 -0.73 0.00	47.22 -0.72 0.00	48.70 -0.64 0.00	45.75 -0.60 0.00	46.87 -0.62 0.00	53.40 -1.59 0.00	57.12 -1.77 0.00	56.10 -1.32 0.00	59.23 -1.58 0.00	53.16 -1.36 0.00	55.15 -1.18 0.00	52.12 -1.06 0.00	48.56 -0.94 0.00	48.90 -0.90 0.00	48.56 -0.99 0.00	51.29 -0.83 0.00	55.26 -1.01 0.00	55.71 -1.55 0.00	54.98 -1.58 0.00	54.91 -1.35 0.00	49.97 -1.23 0.00	51.07 -1.29 -6.16	47.48 -0.85 -5.69	42.79 -0.48 0.00

LI_NEWBRDGE___DRP 323616	109.04 5.05 -47.90	99.92 4.27 -47.71	93.40 4.34 -39.72	89.90 4.13 -39.42	97.74 4.18 -46.07	108.56 5.00 -48.56	114.07 5.77 -49.41	140.28 5.86 -77.00	127.76 6.26 -60.68	111.72 5.56 -51.64	99.60 5.46 -37.80	92.21 5.05 -33.97	78.30 4.70 -24.10	76.40 4.68 -21.92	93.96 4.61 -39.79	99.97 4.95 -42.89	126.85 5.51 -65.06	155.32 5.90 -92.16	156.15 5.83 -93.76	148.51 5.68 -86.56	120.61 5.12 -64.29	107.09 4.62 -56.26	83.18 4.09 -36.44	75.77 3.81 -28.69
LOCKPORT_115KV_TB60_63_64 80432	53.77 -6.28 -3.96	47.66 -5.18 -4.89	47.93 -5.38 -3.97	45.77 -5.01 -4.42	47.03 -5.13 -4.67	54.31 -4.73 -4.04	61.25 -4.83 -7.19	57.68 -5.68 -5.94	58.19 -6.32 -3.70	52.30 -5.78 -3.56	50.08 -6.82 -0.57	47.16 -6.70 -0.68	43.71 -6.34 -0.55	43.48 -6.77 -0.46	43.66 -6.39 -0.50	45.73 -7.09 -0.70	50.29 -7.48 -1.51	54.01 -5.90 -2.64	51.27 -6.00 -0.71	49.97 -7.26 -0.96	46.30 -6.61 -1.71	42.38 -5.50 -1.68	38.21 -5.50 -1.07	39.82 -4.76 -1.32
LOCKPORT___CC1 323769	53.63 -6.45 -3.99	47.60 -5.27 -4.93	47.81 -5.52 -4.00	45.66 -5.15 -4.45	46.93 -5.27 -4.71	54.17 -4.89 -4.08	61.07 -5.06 -7.25	57.41 -5.86 -5.84	57.89 -6.51 -3.58	52.24 -5.83 -3.55	49.85 -7.04 -0.56	47.02 -6.81 -0.64	43.55 -6.48 -0.54	43.47 -6.77 -0.45	43.51 -6.54 -0.49	45.57 -7.24 -0.69	50.09 -7.65 -1.47	53.61 -6.24 -2.59	50.03 -6.33 0.20	49.34 -7.48 -0.56	46.22 -6.66 -1.67	42.10 -5.73 -1.63	38.74 -4.95 -1.05	39.79 -4.76 -1.28
LOCKPORT___CC2 323770	53.63 -6.45 -3.99	47.60 -5.27 -4.93	47.81 -5.52 -4.00	45.66 -5.15 -4.45	46.93 -5.27 -4.71	54.17 -4.89 -4.08	61.07 -5.06 -7.25	57.41 -5.86 -5.84	57.89 -6.51 -3.58	52.24 -5.83 -3.55	49.85 -7.04 -0.56	47.02 -6.81 -0.64	43.55 -6.48 -0.54	43.47 -6.77 -0.45	43.51 -6.54 -0.49	45.57 -7.24 -0.69	50.09 -7.65 -1.47	53.61 -6.24 -2.59	50.03 -6.33 0.20	49.34 -7.48 -0.56	46.22 -6.66 -1.67	42.10 -5.73 -1.63	38.74 -4.95 -1.05	39.79 -4.76 -1.28
LOCKPORT___CC3 323771	53.63 -6.45 -3.99	47.60 -5.27 -4.93	47.81 -5.52 -4.00	45.66 -5.15 -4.45	46.93 -5.27 -4.71	54.17 -4.89 -4.08	61.07 -5.06 -7.25	57.41 -5.86 -5.84	57.89 -6.51 -3.58	52.24 -5.83 -3.55	49.85 -7.04 -0.56	47.02 -6.81 -0.64	43.55 -6.48 -0.54	43.47 -6.77 -0.45	43.51 -6.54 -0.49	45.57 -7.24 -0.69	50.09 -7.65 -1.47	53.61 -6.24 -2.59	50.03 -6.33 0.20	49.34 -7.48 -0.56	46.22 -6.66 -1.67	42.10 -5.73 -1.63	38.74 -4.95 -1.05	39.79 -4.76 -1.28
LONG_LAKE_PHOENIX 24014	56.87 -1.40 -2.18	49.49 -1.15 -2.70	50.34 -1.18 -2.19	47.68 -1.11 -2.44	48.92 -1.14 -2.58	56.23 -0.99 -2.23	62.09 -0.77 -3.97	61.49 -0.75 -4.82	63.48 -0.85 -3.52	56.06 -0.87 -2.41	56.12 -1.18 -0.98	52.74 -1.28 -0.83	49.25 -1.24 -0.99	49.32 -1.29 -0.82	49.27 -1.19 -0.90	52.17 -1.30 -1.35	57.15 -1.24 -2.12	60.11 -0.80 -3.66	58.87 -0.85 -3.16	57.47 -1.13 -2.34	52.42 -1.18 -2.40	47.48 -1.06 -2.33	42.95 -1.15 -1.46	44.03 -1.04 -1.80
LOVETT___3 23632	86.15 3.76 -26.30	83.64 3.21 -32.48	78.95 3.26 -26.36	78.79 3.11 -29.33	81.66 3.13 -31.04	85.58 3.74 -26.84	111.04 4.36 -47.80	120.27 4.42 -58.44	109.59 4.80 -43.97	89.91 4.25 -31.14	72.98 4.11 -12.54	67.86 3.78 -10.89	65.68 3.51 -12.67	63.94 3.44 -10.71	64.37 3.37 -11.44	72.55 3.60 -16.83	86.49 4.11 -26.11	108.04 4.52 -46.26	101.90 4.47 -40.87	89.19 4.33 -28.59	84.48 3.89 -29.39	77.85 3.51 -28.14	63.32 3.03 -17.65	67.68 2.73 -21.69
LOVETT___4 23642	86.15 3.76 -26.30	83.64 3.21 -32.48	78.95 3.26 -26.36	78.79 3.11 -29.33	81.66 3.13 -31.04	85.58 3.74 -26.84	111.04 4.36 -47.80	120.27 4.42 -58.44	109.59 4.80 -43.97	89.91 4.25 -31.14	72.98 4.11 -12.54	67.86 3.78 -10.89	65.68 3.51 -12.67	63.94 3.44 -10.71	64.37 3.37 -11.44	72.55 3.60 -16.83	86.49 4.11 -26.11	108.04 4.52 -46.26	101.90 4.47 -40.87	89.19 4.33 -28.59	84.48 3.89 -29.39	77.85 3.51 -28.14	63.32 3.03 -17.65	67.68 2.73 -21.69
LOVETT___5 23593	86.15 3.76 -26.30	83.64 3.21 -32.48	78.95 3.26 -26.36	78.79 3.11 -29.33	81.66 3.13 -31.04	85.58 3.74 -26.84	111.04 4.36 -47.80	120.27 4.42 -58.44	109.59 4.80 -43.97	89.91 4.25 -31.14	72.98 4.11 -12.54	67.86 3.78 -10.89	65.68 3.51 -12.67	63.94 3.44 -10.71	64.37 3.37 -11.44	72.55 3.60 -16.83	86.49 4.11 -26.11	108.04 4.52 -46.26	101.90 4.47 -40.87	89.19 4.33 -28.59	84.48 3.89 -29.39	77.85 3.51 -28.14	63.32 3.03 -17.65	67.68 2.73 -21.69
LOWER RAQUET___HYD 24057	54.58 -1.51 0.00	46.55 -1.39 0.00	48.01 -1.33 0.00	45.06 -1.30 0.00	46.16 -1.33 0.00	52.52 -2.47 0.00	56.06 -2.83 0.00	54.95 -2.47 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.07 -2.25 0.00	51.11 -2.08 0.00	47.67 -1.83 0.00	48.00 -1.79 0.00	47.72 -1.83 0.00	50.35 -1.77 0.00	54.19 -2.08 0.00	54.68 -2.58 0.00	53.96 -2.60 0.00	53.84 -2.42 0.00	49.00 -2.20 0.00	50.80 -2.12 0.00	47.18 -1.66 0.00	42.23 -1.04 0.00
LOWER___HUDSON 24059	92.88 2.80 -33.99	92.32 2.40 -41.98	85.87 2.47 -34.07	86.58 2.32 -37.91	90.02 2.42 -40.11	92.60 2.91 -34.70	123.72 3.06 -61.77	135.34 2.93 -75.00	119.01 3.34 -54.86	95.08 2.94 -37.62	74.56 2.98 -15.24	68.93 2.82 -12.93	67.48 2.62 -15.36	65.23 2.64 -12.80	66.24 2.62 -14.06	75.98 2.81 -21.05	92.34 2.98 -33.09	117.51 3.09 -57.17	108.98 3.05 -49.37	95.77 2.98 -36.53	91.32 2.66 -37.45	84.90 2.36 -36.34	67.67 2.22 -22.81	73.46 2.16 -28.03
LOWVILLE_115KV_TB2 356335	57.85 0.73 -1.03	49.75 0.53 -1.28	50.87 0.49 -1.04	47.97 0.46 -1.15	49.28 0.57 -1.22	56.82 0.77 -1.05	61.89 1.12 -1.88	60.96 1.26 -2.28	63.63 1.16 -1.67	56.53 0.87 -1.14	57.30 0.51 -0.46	53.79 0.21 -0.39	50.01 0.05 -0.47	50.23 0.05 -0.39	50.03 0.05 -0.43	53.07 0.31 -0.64	57.95 0.68 -1.00	59.73 0.74 -1.73	58.56 0.51 -1.49	57.76 0.39 -1.10	52.44 0.10 -1.13	49.19 -0.09 -3.07	44.94 -0.21 -2.51	44.29 0.17 -0.85
LUTHERFT_115KV_GLOB_FND_222 355753	94.06 3.42 -34.55	93.59 2.97 -42.68	86.98 3.01 -34.63	87.72 2.83 -38.54	91.25 2.99 -40.78	93.95 3.68 -35.27	125.74 4.06 -62.79	137.62 3.96 -76.24	120.95 4.38 -55.77	96.52 3.76 -38.24	75.48 3.66 -15.50	69.79 3.46 -13.15	68.28 3.17 -15.61	65.99 3.19 -13.01	67.02 3.17 -14.29	77.01 3.49 -21.39	93.73 3.83 -33.63	119.43 4.07 -58.11	110.76 4.02 -50.18	97.22 3.83 -37.13	92.65 3.38 -38.07	86.10 2.96 -36.94	68.53 2.69 -23.20	74.33 2.55 -28.51
LUTHERNY_35_KV_BK2 355980	94.12 3.48 -34.55	93.64 3.02 -42.68	87.03 3.06 -34.63	87.77 2.87 -38.54	91.25 2.99 -40.78	93.95 3.68 -35.27	125.80 4.12 -62.79	137.68 4.02 -76.24	121.02 4.44 -55.77	96.58 3.82 -38.24	75.54 3.72 -15.50	69.84 3.51 -13.15	68.33 3.22 -15.61	65.99 3.19 -13.01	67.07 3.22 -14.29	77.06 3.54 -21.39	93.79 3.88 -33.63	119.49 4.12 -58.11	110.81 4.07 -50.18	97.28 3.88 -37.13	92.71 3.43 -38.07	86.15 3.00 -36.94	68.57 2.73 -23.20	74.37 2.60 -28.51
LWR___OSWEGATCHIE_HYD 23850	55.94 -0.90 -0.75	48.00 -0.86 -0.92	49.20 -0.89 -0.75	46.35 -0.83 -0.83	47.56 -0.81 -0.88	54.43 -1.32 -0.76	58.89 -1.35 -1.36	57.97 -1.09 -1.65	60.67 -1.34 -1.20	54.09 -1.25 -0.82	55.25 -1.41 -0.33	52.03 -1.44 -0.28	48.45 -1.39 -0.34	48.73 -1.34 -0.28	48.48 -1.39 -0.31	51.39 -1.20 -0.46	55.81 -1.18 -0.72	57.19 -1.32 -1.25	56.17 -1.47 -1.08	55.60 -1.46 -0.80	50.59 -1.43 -0.82	50.10 -1.48 -5.38	46.13 -1.24 -4.73	43.06 -0.82 -0.61

LYONS_FALL_HYD 23570	58.38 1.29 -1.00	50.23 1.05 -1.23	51.37 1.04 -1.00	48.44 0.97 -1.11	49.76 1.09 -1.18	57.50 1.49 -1.02	62.47 1.77 -1.81	61.51 1.89 -2.20	64.36 1.95 -1.61	57.20 1.58 -1.10	58.01 1.24 -0.45	54.52 0.96 -0.38	50.64 0.69 -0.45	50.92 0.75 -0.37	50.66 0.69 -0.41	53.73 0.99 -0.62	58.59 1.35 -0.97	60.42 1.49 -1.67	59.31 1.30 -1.44	58.51 1.18 -1.07	53.17 0.87 -1.10	49.21 0.60 -2.40	45.02 0.47 -1.90	44.78 0.69 -0.82
MADISON___COUNTY_LFGE 323628	59.71 1.96 -1.66	51.62 1.63 -2.05	52.68 1.68 -1.66	49.78 1.58 -1.85	51.16 1.71 -1.96	59.05 2.36 -1.70	64.79 2.89 -3.02	64.01 2.93 -3.66	66.53 3.04 -2.68	58.81 2.45 -1.84	59.16 2.08 -0.74	55.57 1.76 -0.63	51.73 1.48 -0.75	51.91 1.49 -0.62	51.73 1.49 -0.69	54.92 1.77 -1.03	60.07 2.19 -1.61	62.61 2.58 -2.77	61.27 2.32 -2.40	60.17 2.14 -1.77	54.76 1.74 -1.82	49.46 1.48 -1.78	44.91 1.15 -1.11	45.89 1.25 -1.37
MALONE___115KV_TB1 356076	55.31 -0.79 0.00	47.18 -0.77 0.00	48.74 -0.59 0.00	45.66 -0.70 0.00	46.63 -0.85 0.00	53.18 -1.81 0.00	56.53 -2.36 0.00	55.41 -2.01 0.00	58.56 -2.25 0.00	52.61 -1.91 0.00	54.64 -1.69 0.00	51.75 -1.44 0.00	48.36 -1.14 0.00	48.80 -1.00 0.00	48.56 -0.99 0.00	51.18 -0.94 0.00	54.92 -1.35 0.00	55.26 -2.00 0.00	54.41 -2.15 0.00	54.01 -2.25 0.00	49.21 -2.00 0.00	73.99 -2.03 -29.82	68.51 -1.66 -27.54	42.01 -1.25 0.00
MAPLEWOD_115KV_TB3 80458	92.62 2.75 -33.78	92.07 2.40 -41.73	85.72 2.52 -33.86	86.40 2.36 -37.68	89.73 2.37 -39.87	92.34 2.86 -34.48	123.34 3.06 -61.39	134.71 2.76 -74.54	118.43 3.10 -54.52	94.69 2.78 -37.39	74.35 2.87 -15.15	68.75 2.71 -12.85	67.29 2.52 -15.27	65.05 2.54 -12.72	66.11 2.58 -13.97	75.65 2.61 -20.92	91.86 2.70 -32.88	116.76 2.69 -56.81	108.28 2.66 -49.06	95.15 2.59 -36.30	90.78 2.36 -37.22	84.54 2.22 -36.12	67.33 2.00 -22.68	73.22 2.08 -27.87
MAPLE_RIDGE_WT_1 323574	55.31 -0.79 0.00	47.17 -0.77 0.00	48.50 -0.84 0.00	45.57 -0.79 0.00	46.63 -0.85 0.00	53.84 -1.16 0.00	57.59 -1.30 0.00	56.21 -1.21 0.00	59.59 -1.22 0.00	53.48 -1.04 0.00	55.48 -0.84 0.00	52.44 -0.74 0.00	48.81 -0.69 0.00	49.15 -0.65 0.00	48.86 -0.69 0.00	51.34 -0.78 0.00	55.20 -1.07 0.00	55.95 -1.31 0.00	55.15 -1.41 0.00	54.97 -1.29 0.00	50.03 -1.18 0.00	45.14 -1.06 0.00	41.70 -0.94 0.00	42.40 -0.87 0.00
MAPLE_RIDGE_WT_2 323611	55.31 -0.79 0.00	47.17 -0.77 0.00	48.50 -0.84 0.00	45.57 -0.79 0.00	46.63 -0.85 0.00	53.84 -1.16 0.00	57.59 -1.30 0.00	56.21 -1.21 0.00	59.59 -1.22 0.00	53.48 -1.04 0.00	55.48 -0.84 0.00	52.44 -0.74 0.00	48.81 -0.69 0.00	49.15 -0.65 0.00	48.86 -0.69 0.00	51.34 -0.78 0.00	55.20 -1.07 0.00	55.95 -1.31 0.00	55.15 -1.41 0.00	54.97 -1.29 0.00	50.03 -1.18 0.00	45.14 -1.06 0.00	41.70 -0.94 0.00	42.40 -0.87 0.00
MARBLE_RIVER_WT_PWR 323696	54.80 -1.29 0.00	46.79 -1.15 0.00	48.30 -1.04 0.00	45.20 -1.16 0.00	46.06 -1.42 0.00	52.69 -2.31 0.00	55.71 -3.18 0.00	54.49 -2.93 0.00	57.58 -3.22 0.00	51.68 -2.84 0.00	53.85 -2.48 0.00	51.06 -2.13 0.00	47.82 -1.68 0.00	48.25 -1.54 0.00	48.07 -1.49 0.00	50.56 -1.56 0.00	54.13 -2.14 0.00	54.40 -2.86 0.00	53.45 -3.11 0.00	53.17 -3.09 0.00	48.34 -2.87 0.00	0.40 -2.73 43.07	0.33 -2.47 39.84	41.36 -1.90 0.00
MARSHVLE_115KV_TB1 80742	98.54 2.92 -39.53	99.36 2.59 -48.83	91.58 2.61 -39.63	92.90 2.46 -44.09	96.75 2.61 -46.65	98.92 3.57 -40.35	135.27 4.53 -71.84	149.12 4.48 -87.23	129.24 4.62 -63.81	101.92 3.65 -43.75	77.26 3.21 -17.73	71.09 2.87 -15.04	69.89 2.52 -17.86	67.16 2.49 -14.88	68.38 2.48 -16.35	79.72 3.13 -24.47	98.69 3.94 -38.48	128.26 4.52 -66.48	118.44 4.47 -57.41	102.96 4.22 -42.48	98.35 3.58 -43.56	91.43 2.96 -42.27	71.66 2.47 -26.55	78.01 2.12 -32.62
MARSH_HILL_WT_PWR 323713	59.77 -1.91 -5.59	53.31 -1.54 -6.90	53.31 -1.63 -5.60	51.06 -1.53 -6.23	52.56 -1.52 -6.59	59.93 -0.77 -5.70	68.86 -0.18 -10.15	76.94 -0.80 -20.33	79.48 -1.22 -19.89	59.22 -1.36 -6.06	52.46 -2.53 1.33	56.91 -2.55 -6.28	45.40 -2.62 1.48	45.84 -2.74 1.22	45.53 -2.68 1.35	47.34 -2.60 2.18	53.24 -1.86 1.18	53.74 -1.60 1.91	69.40 -1.64 -14.48	60.20 -1.91 -5.85	47.98 -1.89 1.33	42.85 -1.94 1.41	39.90 -2.00 0.73	40.41 -1.95 0.91
MCINTYRE_115KV_TB2 80467	55.92 -0.17 0.00	47.75 -0.19 0.00	49.24 -0.10 0.00	46.21 -0.14 0.00	47.34 -0.14 0.00	54.06 -0.93 0.00	57.77 -1.12 0.00	56.67 -0.75 0.00	59.90 -0.91 0.00	53.76 -0.76 0.00	55.76 -0.56 0.00	52.65 -0.53 0.00	49.05 -0.45 0.00	49.45 -0.35 0.00	49.11 -0.45 0.00	51.91 -0.21 0.00	55.93 -0.34 0.00	56.40 -0.86 0.00	55.60 -0.96 0.00	55.59 -0.68 0.00	50.64 -0.56 0.00	50.77 -0.69 -5.26	47.11 -0.38 -4.86	43.14 -0.13 0.00
MECO___69_KV_BK1 80468	100.23 6.11 -38.02	100.28 5.37 -46.96	92.88 5.43 -38.11	93.82 5.05 -42.41	97.63 5.27 -44.87	100.68 6.87 -38.81	136.23 8.24 -69.10	149.24 7.92 -83.90	130.27 8.09 -61.37	103.14 6.54 -42.08	79.41 6.03 -17.05	73.23 5.58 -14.47	71.73 5.05 -17.18	69.04 4.93 -14.31	70.29 5.01 -15.73	81.81 6.15 -23.54	100.49 7.20 -37.01	129.10 7.90 -63.94	119.64 7.86 -55.22	104.61 7.48 -40.86	99.65 6.55 -41.89	92.45 5.59 -40.65	72.99 4.82 -25.53	79.01 4.37 -31.37
MENANDS___115KV_TB5 355628	92.38 2.58 -33.71	91.84 2.25 -41.64	85.50 2.37 -33.80	86.18 2.22 -37.61	89.51 2.23 -39.79	92.10 2.69 -34.42	122.99 2.83 -61.27	134.28 2.47 -74.39	118.02 2.80 -54.42	94.40 2.56 -37.32	74.15 2.70 -15.12	68.56 2.55 -12.83	67.11 2.38 -15.24	64.88 2.39 -12.69	65.93 2.43 -13.95	75.34 2.35 -20.88	91.46 2.36 -32.82	116.31 2.35 -56.70	107.79 2.26 -48.97	94.75 2.25 -36.23	90.45 2.10 -37.15	84.24 1.99 -36.05	67.12 1.83 -22.64	73.03 1.95 -27.82
MG INDUSTRY___DRP 24185	91.48 2.41 -32.98	90.79 2.11 -40.73	84.61 2.22 -33.06	85.22 2.09 -36.78	88.49 2.09 -38.92	91.19 2.53 -33.66	121.53 2.71 -59.93	132.60 2.41 -72.77	116.71 2.68 -53.23	93.36 2.34 -36.49	73.54 2.42 -14.79	68.02 2.29 -12.55	66.53 2.13 -14.90	64.35 2.14 -12.41	65.38 2.18 -13.64	74.73 2.19 -20.42	90.57 2.19 -32.10	114.89 2.18 -55.45	106.60 2.15 -47.89	93.84 2.14 -35.44	89.48 1.95 -36.33	83.31 1.85 -35.26	66.49 1.71 -22.14	72.34 1.86 -27.21
MID___OSWEGATCHIE_HYD 23849	55.94 -0.90 -0.75	48.00 -0.86 -0.92	49.20 -0.89 -0.75	46.35 -0.83 -0.83	47.56 -0.81 -0.88	54.43 -1.32 -0.76	58.89 -1.35 -1.36	57.97 -1.09 -1.65	60.67 -1.34 -1.20	54.09 -1.25 -0.82	55.25 -1.41 -0.33	52.03 -1.44 -0.28	48.45 -1.39 -0.34	48.73 -1.34 -0.28	48.48 -1.39 -0.31	51.39 -1.20 -0.46	55.81 -1.18 -0.72	57.19 -1.32 -1.25	56.17 -1.47 -1.08	55.60 -1.46 -0.80	50.59 -1.43 -0.82	50.10 -1.48 -5.38	46.13 -1.24 -4.73	43.06 -0.82 -0.61
MID___RAQUETTE_HYD 23851	54.58 -1.51 0.00	46.55 -1.39 0.00	48.00 -1.33 0.00	45.06 -1.30 0.00	46.16 -1.33 0.00	52.52 -2.47 0.00	56.06 -2.83 0.00	54.95 -2.47 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.07 -2.25 0.00	51.11 -2.07 0.00	47.67 -1.83 0.00	48.00 -1.79 0.00	47.72 -1.83 0.00	50.35 -1.77 0.00	54.19 -2.08 0.00	54.68 -2.58 0.00	53.96 -2.60 0.00	53.84 -2.42 0.00	49.05 -2.15 0.00	50.80 -2.13 -6.72	47.35 -1.49 -6.21	42.23 -1.04 0.00

MILLIKEN___1 23584	62.51 0.90 -5.52	55.53 0.77 -6.82	55.71 0.84 -5.54	53.30 0.79 -6.16	54.86 0.85 -6.52	62.17 1.54 -5.64	71.05 2.12 -10.04	72.25 2.18 -12.65	72.55 2.13 -9.61	62.20 1.64 -6.05	63.80 1.13 -6.35	56.36 0.80 -2.38	56.63 0.59 -6.54	55.78 0.55 -5.43	56.13 0.59 -5.98	62.02 0.78 -9.11	70.42 1.35 -12.79	81.11 1.89 -21.96	74.00 1.81 -15.63	70.43 1.52 -12.64	66.86 1.18 -14.48	61.38 0.92 -14.25	51.93 0.55 -8.73	54.70 0.69 -10.75
MILLIKEN___2 23585	62.51 0.90 -5.52	55.53 0.77 -6.82	55.71 0.84 -5.54	53.30 0.79 -6.16	54.86 0.85 -6.52	62.17 1.54 -5.64	71.05 2.12 -10.04	72.25 2.18 -12.65	72.55 2.13 -9.61	62.20 1.64 -6.05	63.80 1.13 -6.35	56.36 0.80 -2.38	56.63 0.59 -6.54	55.78 0.55 -5.43	56.13 0.59 -5.98	62.02 0.78 -9.11	70.42 1.35 -12.79	81.11 1.89 -21.96	74.00 1.81 -15.63	70.43 1.52 -12.64	66.86 1.18 -14.48	61.38 0.92 -14.25	51.93 0.55 -8.73	54.70 0.69 -10.75
MILLIKEN___DIESEL 23629	62.51 0.90 -5.52	55.53 0.77 -6.82	55.71 0.84 -5.54	53.30 0.79 -6.16	54.86 0.85 -6.52	62.17 1.54 -5.64	71.05 2.12 -10.04	72.25 2.18 -12.65	72.55 2.13 -9.61	62.20 1.64 -6.05	63.80 1.13 -6.35	56.36 0.80 -2.38	56.63 0.59 -6.54	55.78 0.55 -5.43	56.13 0.59 -5.98	62.02 0.78 -9.11	70.42 1.35 -12.79	81.11 1.89 -21.96	74.00 1.81 -15.63	70.43 1.52 -12.64	66.86 1.18 -14.48	61.38 0.92 -14.25	51.93 0.55 -8.73	54.70 0.69 -10.75
MILLSEAT___LFGE 323607	55.00 -4.94 -3.85	48.62 -4.08 -4.75	48.95 -4.24 -3.85	46.75 -3.89 -4.29	47.99 -4.04 -4.54	55.51 -3.41 -3.93	62.58 -3.30 -6.98	59.59 -3.96 -6.13	60.17 -4.56 -3.92	53.95 -4.15 -3.58	51.56 -5.35 -0.58	48.68 -5.27 -0.76	44.91 -5.15 -0.56	44.84 -5.43 -0.47	44.91 -5.15 -0.51	47.11 -5.73 -0.72	51.87 -5.91 -1.50	55.61 -4.30 -2.64	53.51 -4.41 -1.36	51.77 -5.74 -1.25	47.79 -5.12 -1.70	43.43 -4.44 -1.66	39.91 -3.80 -1.07	40.89 -3.68 -1.31
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	87.17 4.09 -26.98	84.77 3.50 -33.33	79.94 3.55 -27.05	79.79 3.34 -30.10	82.75 3.42 -31.85	86.61 4.07 -27.55	112.71 4.77 -49.05	122.33 4.82 -60.09	111.63 5.23 -45.59	91.73 4.63 -32.58	73.93 4.51 -13.09	68.79 4.15 -11.45	66.60 3.86 -13.24	64.82 3.78 -11.24	65.19 3.72 -11.92	73.58 4.01 -17.44	87.72 4.50 -26.95	110.28 4.92 -48.09	104.19 4.86 -42.77	90.43 4.73 -29.45	85.74 4.25 -30.28	78.87 3.79 -28.88	64.04 3.28 -18.11	68.55 3.03 -22.25
MILLWOOD_13_KV_LOAD 356217	87.34 4.26 -26.98	84.87 3.60 -33.33	80.04 3.65 -27.05	79.93 3.48 -30.10	82.85 3.51 -31.85	86.72 4.18 -27.55	112.88 4.95 -49.05	122.56 5.05 -60.09	111.81 5.41 -45.59	91.90 4.80 -32.58	74.10 4.68 -13.09	68.95 4.31 -11.45	66.70 3.96 -13.24	64.97 3.93 -11.24	65.29 3.82 -11.92	73.74 4.17 -17.44	87.89 4.67 -26.95	110.50 5.15 -48.09	104.36 5.03 -42.77	90.60 4.89 -29.45	85.89 4.40 -30.28	79.01 3.93 -28.88	64.12 3.37 -18.11	68.59 3.07 -22.25
MODEL_CITY_ENERGY 24167	53.45 -6.68 -4.03	47.46 -5.47 -4.98	47.66 -5.72 -4.04	45.56 -5.29 -4.50	46.78 -5.46 -4.76	54.00 -5.11 -4.12	60.85 -5.36 -7.32	57.12 -6.14 -5.84	57.61 -6.81 -3.61	51.94 -6.10 -3.53	49.63 -7.27 -0.57	46.93 -6.91 -0.65	43.31 -6.73 -0.54	43.23 -7.02 -0.46	43.27 -6.79 -0.50	45.31 -7.50 -0.70	49.76 -7.99 -1.48	53.68 -6.19 -2.61	51.05 -6.33 -0.82	49.67 -7.60 -1.00	46.18 -6.71 -1.68	42.16 -5.68 -1.64	38.62 -5.08 -1.05	39.58 -4.97 -1.29
MODERN_LFGE___ 323580	53.45 -6.68 -4.03	47.46 -5.47 -4.98	47.66 -5.72 -4.04	45.56 -5.29 -4.50	46.78 -5.46 -4.76	54.00 -5.11 -4.12	60.85 -5.36 -7.32	57.12 -6.14 -5.84	57.61 -6.81 -3.61	51.94 -6.10 -3.53	49.63 -7.27 -0.57	46.93 -6.91 -0.65	43.31 -6.73 -0.54	43.23 -7.02 -0.46	43.27 -6.79 -0.50	45.31 -7.50 -0.70	49.76 -7.99 -1.48	53.68 -6.19 -2.61	51.05 -6.33 -0.82	49.67 -7.60 -1.00	46.18 -6.71 -1.68	42.16 -5.68 -1.64	38.62 -5.08 -1.05	39.58 -4.97 -1.29
MOHAWK_PAPER___DRP 24187	92.62 2.75 -33.78	92.07 2.40 -41.73	85.72 2.52 -33.86	86.40 2.36 -37.68	89.73 2.37 -39.87	92.34 2.86 -34.48	123.34 3.06 -61.39	134.71 2.76 -74.54	118.43 3.10 -54.52	94.69 2.78 -37.39	74.35 2.87 -15.15	68.75 2.71 -12.85	67.29 2.52 -15.27	65.05 2.54 -12.72	66.11 2.58 -13.97	75.65 2.61 -20.92	91.86 2.70 -32.88	116.76 2.69 -56.81	108.28 2.66 -49.06	95.15 2.59 -36.30	90.78 2.36 -37.22	84.54 2.22 -36.12	67.33 2.00 -22.68	73.22 2.08 -27.87
MOHICAN___35_KV_115KV_LD 80490	94.54 3.87 -34.58	94.01 3.36 -42.72	87.41 3.40 -34.67	88.17 3.24 -38.57	91.72 3.42 -40.81	94.58 4.29 -35.30	126.68 4.95 -62.85	138.60 4.88 -76.31	121.92 5.29 -55.82	97.26 4.47 -38.27	76.17 4.34 -15.51	70.38 4.04 -13.16	68.79 3.66 -15.63	66.50 3.68 -13.02	67.53 3.67 -14.31	77.65 4.12 -21.41	94.44 4.50 -33.66	120.29 4.87 -58.16	111.65 4.86 -50.22	98.04 4.61 -37.16	93.30 3.99 -38.11	86.64 3.47 -36.98	68.93 3.07 -23.22	74.66 2.86 -28.54
MONGAUP___HYD 23641	83.77 2.75 -24.93	80.99 2.25 -30.79	76.65 2.32 -24.99	76.34 2.18 -27.81	79.19 2.28 -29.42	83.25 2.80 -25.45	107.73 3.53 -45.31	115.84 3.33 -55.09	104.85 3.53 -40.52	85.25 2.78 -27.95	70.09 2.59 -11.17	65.43 2.76 -9.48	63.23 2.47 -11.26	61.61 2.44 -9.38	62.29 2.43 -10.31	70.00 2.45 -15.43	83.56 3.04 -24.26	103.64 3.44 -42.95	97.64 3.51 -37.57	86.43 3.32 -26.85	81.66 2.92 -27.54	75.45 2.59 -26.66	61.97 2.47 -16.85	66.18 2.21 -20.71
MONTAUK___DIESEL 23721	112.02 8.02 -47.90	102.65 7.00 -47.71	96.12 7.06 -39.72	92.50 6.72 -39.42	100.30 6.74 -46.07	111.42 7.86 -48.56	116.72 8.42 -49.41	143.15 8.73 -77.00	130.55 9.06 -60.68	114.29 8.12 -51.64	103.31 9.18 -37.80	95.72 8.56 -33.97	81.32 7.72 -24.10	79.44 7.72 -21.92	97.28 7.93 -39.79	103.36 8.34 -42.89	130.17 8.83 -65.06	158.98 9.56 -92.16	159.65 9.33 -93.76	151.55 8.72 -86.56	123.28 7.78 -64.29	109.95 7.49 -56.26	86.12 7.04 -36.44	78.79 6.84 -28.69
MOONROAD_115KV_HARTFLD_TB1-2 355988	55.99 -4.77 -4.67	49.59 -4.12 -5.77	49.63 -4.39 -4.68	47.67 -3.89 -5.21	48.77 -4.23 -5.51	56.07 -3.68 -4.77	64.25 -3.12 -8.48	60.75 -3.56 -6.89	60.94 -3.95 -4.09	55.05 -3.71 -4.24	52.01 -4.90 -0.58	48.95 -4.89 -0.66	45.39 -4.65 -0.55	45.48 -4.78 -0.46	45.35 -4.71 -0.50	47.97 -4.85 -0.69	52.50 -5.35 -1.58	54.54 -5.50 -2.78	50.95 -5.49 0.12	51.43 -5.46 -0.62	47.92 -5.07 -1.79	43.27 -4.76 -1.83	39.25 -4.56 -1.17	40.28 -4.41 -1.43
MORTIMER_115KV_TB3 55949	56.64 -2.75 -3.29	49.71 -2.30 -4.07	50.22 -2.42 -3.30	47.85 -2.18 -3.67	49.14 -2.23 -3.89	56.71 -1.65 -3.36	63.40 -1.47 -5.99	62.41 -2.01 -7.00	63.40 -2.37 -4.97	55.93 -2.24 -3.65	53.87 -3.10 -0.64	50.95 -3.35 -1.12	46.99 -3.12 -0.61	46.77 -3.54 -0.51	46.89 -3.22 -0.56	49.17 -3.75 -0.80	54.06 -3.77 -1.56	57.52 -2.46 -2.72	56.76 -2.60 -2.80	54.35 -3.83 -1.92	49.28 -3.69 -1.76	44.91 -3.00 -1.71	40.87 -2.86 -1.09	42.44 -2.16 -1.34
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	88.00 4.71 -27.19	85.51 3.98 -33.59	80.59 4.00 -27.26	80.49 3.80 -30.33	83.47 3.89 -32.09	87.43 4.67 -27.76	114.03 5.48 -49.67	136.63 5.45 -73.76	164.47 5.90 -97.76	162.37 5.23 -102.62	112.01 5.13 -50.56	114.10 4.73 -56.18	106.82 4.41 -52.91	106.13 4.38 -51.96	94.35 4.31 -40.49	102.26 4.59 -45.55	114.69 5.18 -53.24	123.19 5.55 -60.38	119.97 5.49 -57.93	102.52 5.34 -40.91	100.33 4.81 -44.32	80.31 4.30 -29.81	64.79 3.80 -18.35	69.20 3.50 -22.43

MUNSVILLE_WIND_PWR 323609	70.28 5.66 -8.53	63.22 4.75 -10.53	62.67 4.78 -8.55	60.46 4.59 -9.51	62.40 4.85 -10.06	70.24 6.54 -8.70	82.22 7.83 -15.50	84.64 8.15 -19.07	83.23 8.21 -14.22	70.51 6.65 -9.34	68.04 5.75 -5.97	61.57 4.95 -3.44	59.70 4.11 -6.09	58.95 4.08 -5.07	59.14 4.01 -5.57	65.40 4.85 -8.43	75.04 6.30 -12.46	85.98 7.27 -21.45	80.08 6.78 -16.73	75.58 6.36 -12.96	70.63 5.32 -14.10	64.41 4.44 -13.77	54.87 3.67 -8.56	57.38 3.59 -10.52
N SALMON___HYD 24042	55.31 -0.79 0.00	47.17 -0.77 0.00	48.75 -0.59 0.00	45.66 -0.69 0.00	46.63 -0.85 0.00	53.18 -1.81 0.00	56.53 -2.36 0.00	55.41 -2.01 0.00	58.56 -2.25 0.00	52.56 -1.96 0.00	54.64 -1.69 0.00	51.75 -1.43 0.00	48.36 -1.14 0.00	48.80 -1.00 0.00	48.56 -0.99 0.00	51.19 -0.94 0.00	54.92 -1.35 0.00	55.25 -2.01 0.00	54.41 -2.15 0.00	54.07 -2.20 0.00	49.15 -2.05 0.00	73.99 -2.03 -29.82	68.34 -1.83 -27.54	41.97 -1.30 0.00
N.AKRON___115KV_KNAPP 355671	54.97 -4.99 -3.87	48.60 -4.12 -4.78	48.93 -4.29 -3.88	46.73 -3.94 -4.32	47.97 -4.08 -4.57	55.54 -3.41 -3.95	62.68 -3.24 -7.03	59.49 -4.02 -6.09	60.06 -4.62 -3.87	53.79 -4.31 -3.58	51.50 -5.41 -0.58	48.50 -5.42 -0.74	44.86 -5.20 -0.55	44.63 -5.63 -0.47	44.81 -5.25 -0.51	47.05 -5.79 -0.71	51.76 -6.02 -1.51	55.51 -4.41 -2.65	53.02 -4.52 -0.99	51.50 -5.85 -1.09	47.54 -5.38 -1.71	43.40 -4.48 -1.68	39.20 -4.52 -1.08	40.78 -3.81 -1.32
N.BELMOR_69_KV_BK1 55787	109.49 5.50 -47.90	100.35 4.70 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.17 4.61 -46.07	109.06 5.50 -48.56	114.60 6.30 -49.41	140.80 6.37 -77.00	128.36 6.87 -60.68	112.27 6.11 -51.64	100.10 5.97 -37.80	92.68 5.53 -33.97	78.70 5.10 -24.10	76.80 5.08 -21.92	94.40 5.05 -39.79	100.39 5.37 -42.89	127.35 6.02 -65.06	155.95 6.53 -92.16	156.77 6.45 -93.76	149.13 6.30 -86.56	121.13 5.63 -64.29	107.50 5.04 -56.26	83.52 4.43 -36.44	76.11 4.15 -28.69
N.E_GEN_SANDY PD 24062	90.21 3.25 -30.87	88.85 2.78 -38.13	83.09 2.81 -30.94	83.42 2.64 -34.43	86.67 2.75 -36.43	91.91 3.24 -33.67	116.18 3.35 -53.94	128.80 3.27 -68.11	112.30 3.77 -47.72	94.30 3.44 -36.34	73.64 3.44 -13.87	68.20 3.24 -11.77	66.50 3.02 -13.98	64.48 3.04 -11.65	65.43 3.07 -12.80	74.51 3.23 -19.16	89.88 3.49 -30.12	112.90 3.61 -52.03	105.00 3.51 -44.93	93.00 3.49 -33.25	88.47 3.18 -34.09	81.28 2.82 -32.26	66.77 2.64 -21.48	71.30 2.55 -25.48
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	86.16 3.81 -26.25	83.63 3.26 -32.43	79.01 3.35 -26.32	78.79 3.15 -29.28	81.70 3.23 -30.98	85.59 3.79 -26.80	111.08 4.48 -47.72	120.28 4.54 -58.33	109.54 4.86 -43.87	89.93 4.36 -31.05	73.00 4.17 -12.50	67.87 3.83 -10.86	65.70 3.56 -12.63	63.96 3.49 -10.68	64.39 3.42 -11.41	72.62 3.70 -16.79	86.49 4.16 -26.05	108.04 4.64 -46.14	101.90 4.58 -40.75	89.25 4.44 -28.54	84.53 3.99 -29.33	77.85 3.56 -28.09	63.33 3.07 -17.62	67.69 2.77 -21.65
N.QUEENS_27_KV_LOAD 356247	88.51 5.22 -27.20	85.95 4.41 -33.60	81.09 4.49 -27.27	80.96 4.26 -30.34	83.96 4.37 -32.10	88.04 5.28 -27.77	114.29 5.77 -49.62	135.17 5.74 -72.01	157.93 6.20 -90.91	153.43 5.51 -93.40	101.53 5.58 -39.62	101.46 5.16 -43.12	98.96 4.75 -44.71	98.96 4.73 -44.43	90.92 4.66 -36.71	98.97 5.00 -41.84	107.51 5.63 -45.61	121.50 6.01 -58.23	118.58 5.94 -56.08	101.53 5.85 -39.42	98.97 5.27 -42.49	80.57 4.67 -29.70	65.11 4.14 -18.33	69.51 3.81 -22.43
N.TROY___115KV_TB1 355778	92.88 2.80 -33.99	92.32 2.40 -41.98	85.87 2.47 -34.07	86.58 2.32 -37.91	90.02 2.42 -40.11	92.60 2.91 -34.70	123.72 3.06 -61.77	135.34 2.93 -75.00	119.01 3.34 -54.86	95.08 2.94 -37.62	74.56 2.99 -15.24	68.94 2.82 -12.93	67.48 2.62 -15.36	65.23 2.64 -12.80	66.29 2.68 -14.06	75.98 2.81 -21.05	92.34 2.98 -33.09	117.52 3.09 -57.17	108.98 3.05 -49.37	95.77 2.98 -36.53	91.32 2.66 -37.45	84.90 2.36 -36.34	67.64 2.17 -22.83	73.48 2.16 -28.05
NARROWS_GT1_1 24228	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT1_2 24229	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT1_3 24230	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT1_4 24231	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT1_5 24232	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT1_6 24233	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT1_7 24234	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66

NARROWS_GT1_8 24235	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_1 24236	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_2 24237	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_3 24238	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_4 24239	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_5 24240	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_6 24241	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_7 24242	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NARROWS_GT2_8 24243	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	90.74 2.92 -31.73	89.59 2.45 -39.20	83.81 2.66 -31.81	84.25 2.50 -35.40	87.50 2.56 -37.45	90.58 3.19 -32.39	120.27 3.71 -57.67	130.54 3.10 -70.02	115.37 3.34 -51.22	92.14 2.51 -35.12	73.20 2.65 -14.23	67.60 2.34 -12.07	66.02 2.18 -14.34	63.93 2.19 -11.94	65.01 2.33 -13.13	74.17 2.40 -19.65	89.75 2.59 -30.89	113.25 2.63 -53.36	105.36 2.71 -46.08	92.95 2.59 -34.10	88.42 2.25 -34.96	82.26 2.13 -33.93	65.78 1.83 -21.31	71.53 2.08 -26.18
NCHELSEA_115KV_TR2 355582	87.75 4.49 -27.18	85.25 3.74 -33.57	80.43 3.85 -27.24	80.33 3.66 -30.31	83.26 3.70 -32.07	87.19 4.45 -27.74	113.64 5.36 -49.39	122.67 5.28 -59.97	110.33 5.66 -43.87	89.32 4.74 -30.06	73.13 4.62 -12.18	67.72 4.20 -10.33	65.63 3.86 -12.27	63.80 3.78 -10.23	64.56 3.77 -11.24	73.06 4.12 -16.82	87.50 4.78 -26.44	108.21 5.27 -45.68	101.27 5.26 -39.45	90.57 5.12 -29.19	85.69 4.56 -29.93	79.28 4.02 -29.06	64.17 3.28 -18.24	68.67 2.99 -22.41
NEG CAPITAL___MECHNVIL 23645	93.95 3.48 -34.38	93.38 2.97 -42.47	86.81 3.01 -34.46	87.58 2.87 -38.35	91.05 2.99 -40.57	93.77 3.69 -35.10	125.43 4.06 -62.48	137.24 3.96 -75.86	120.68 4.38 -55.49	96.33 3.76 -38.05	75.46 3.72 -15.42	69.77 3.51 -13.08	68.25 3.22 -15.54	65.93 3.19 -12.94	67.00 3.22 -14.22	76.96 3.55 -21.29	93.62 3.88 -33.47	119.15 4.07 -57.82	110.57 4.07 -49.93	97.09 3.88 -36.95	92.52 3.43 -37.88	85.97 3.00 -36.76	68.44 2.73 -23.07	74.21 2.60 -28.35
NEG CENTRAL_HIGH_ACRES 23767	56.20 -3.08 -3.20	49.30 -2.59 -3.95	49.83 -2.71 -3.20	47.41 -2.50 -3.56	48.74 -2.52 -3.77	56.11 -2.15 -3.26	62.87 -1.83 -5.81	62.50 -2.06 -7.15	63.58 -2.43 -5.21	55.83 -2.29 -3.60	54.05 -3.10 -0.82	51.10 -3.30 -1.22	47.18 -3.12 -0.80	47.13 -3.34 -0.67	47.17 -3.12 -0.73	49.55 -3.65 -1.07	54.47 -3.72 -1.91	57.95 -2.63 -3.32	57.36 -2.77 -3.57	54.80 -3.88 -2.42	49.88 -3.48 -2.16	45.21 -3.10 -2.10	41.59 -2.39 -1.33	42.57 -2.34 -1.64
NEG CENTRAL___DRP 24199	58.80 -0.84 -3.55	51.66 -0.67 -4.39	52.21 -0.69 -3.56	49.67 -0.65 -3.96	51.11 -0.57 -4.19	58.56 -0.05 -3.63	65.93 0.59 -6.45	66.58 0.63 -8.53	67.87 0.43 -6.64	58.67 0.22 -3.93	56.51 -0.45 -0.64	54.18 -0.69 -1.68	49.31 -0.79 -0.61	49.41 -0.90 -0.51	49.32 -0.79 -0.56	52.14 -0.78 -0.79	57.32 -0.56 -1.61	60.13 0.06 -2.81	61.39 0.00 -4.83	58.65 -0.45 -2.84	52.41 -0.61 -1.82	47.29 -0.65 -1.74	42.96 -0.81 -1.13	44.00 -0.65 -1.38
NEG CENTRAL___INDECK 23768	59.99 -0.79 -4.69	53.11 -0.62 -5.79	53.30 -0.74 -4.70	50.98 -0.60 -5.23	52.40 -0.62 -5.53	60.27 0.49 -4.78	68.64 1.24 -8.52	75.26 0.74 -17.09	77.67 0.18 -16.68	59.30 -0.22 -5.00	54.74 -1.46 0.12	56.64 -1.75 -5.21	47.47 -1.83 0.20	47.59 -2.04 0.16	47.69 -1.69 0.18	49.94 -1.83 0.36	55.62 -1.13 -0.47	58.21 0.06 -0.89	72.19 -0.11 -15.74	62.29 -1.12 -7.16	50.66 -1.08 -0.54	45.60 -1.06 -0.46	42.16 -0.85 -0.38	42.94 -0.78 -0.45

NEG CENTRAL___SENECA 23627	59.07 -0.95 -3.94	52.04 -0.77 -4.86	52.49 -0.79 -3.95	50.05 -0.70 -4.39	51.47 -0.66 -4.65	59.07 0.05 -4.02	66.93 0.88 -7.16	68.07 0.86 -9.79	69.27 0.67 -7.80	59.21 0.33 -4.36	55.87 -0.45 0.01	54.47 -0.74 -2.03	48.54 -0.89 0.07	48.75 -1.00 0.05	48.60 -0.89 0.06	51.07 -0.89 0.16	56.01 -0.68 -0.41	58.16 0.11 -0.78	61.40 0.06 -4.78	58.09 -0.45 -2.28	51.01 -0.67 -0.47	45.90 -0.69 -0.39	42.11 -0.85 -0.32	42.92 -0.74 -0.39
NEG CENTRAL___STATE_STREET 24147	59.23 -0.34 -3.47	51.95 -0.29 -4.29	52.52 -0.30 -3.48	50.00 -0.23 -3.87	51.35 -0.24 -4.10	58.87 0.33 -3.55	66.03 0.82 -6.31	66.28 0.92 -7.94	67.63 0.85 -5.97	58.96 0.60 -3.84	58.41 0.11 -1.97	54.53 -0.11 -1.45	51.25 -0.25 -2.00	51.11 -0.35 -1.66	51.14 -0.25 -1.83	54.62 -0.26 -2.75	60.43 0.00 -4.15	64.99 0.57 -7.16	63.31 0.51 -6.24	61.04 0.17 -4.61	55.85 -0.05 -4.70	50.67 -0.14 -4.60	45.12 -0.38 -2.86	46.56 -0.22 -3.51
NEG MILLWOOD___DRP 24198	88.35 4.82 -27.43	85.91 4.08 -33.89	80.98 4.14 -27.50	80.90 3.94 -30.60	83.81 3.94 -32.38	87.67 4.67 -28.01	114.52 5.77 -49.86	123.81 5.86 -60.54	111.29 6.20 -44.28	90.04 5.18 -30.35	73.75 5.13 -12.30	68.24 4.63 -10.43	66.05 4.16 -12.39	64.25 4.13 -10.32	64.96 4.06 -11.34	73.58 4.48 -16.98	88.14 5.18 -26.69	109.16 5.78 -46.11	102.10 5.71 -39.82	91.24 5.51 -29.47	86.38 4.97 -30.21	79.93 4.39 -29.33	64.64 3.58 -18.41	69.18 3.29 -22.63
NEG NORTH_FLCN_SEA 23793	55.47 -0.62 0.00	47.32 -0.62 0.00	48.89 -0.44 0.00	45.75 -0.60 0.00	46.63 -0.85 0.00	53.34 -1.65 0.00	56.06 -2.83 0.00	54.89 -2.53 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.13 -2.20 0.00	51.32 -1.86 0.00	48.06 -1.44 0.00	48.55 -1.24 0.00	48.32 -1.24 0.00	50.87 -1.25 0.00	54.47 -1.80 0.00	54.74 -2.52 0.00	53.79 -2.77 0.00	53.39 -2.87 0.00	48.59 -2.61 0.00	0.18 -2.54 43.48	0.26 -2.17 40.21	41.80 -1.47 0.00
NEG NORTH_KES_CHATEGAY 23792	54.97 -1.12 0.00	46.94 -1.01 0.00	48.45 -0.89 0.00	45.33 -1.02 0.00	46.20 -1.28 0.00	52.79 -2.20 0.00	55.89 -3.00 0.00	54.66 -2.76 0.00	57.77 -3.04 0.00	51.85 -2.67 0.00	53.96 -2.37 0.00	51.22 -1.97 0.00	47.92 -1.58 0.00	48.40 -1.39 0.00	48.17 -1.39 0.00	50.72 -1.41 0.00	54.30 -1.97 0.00	54.63 -2.63 0.00	53.68 -2.88 0.00	53.39 -2.87 0.00	48.59 -2.61 0.00	-2.62 -2.50 46.33	-2.33 -2.13 42.84	41.49 -1.77 0.00
NEG NORTH___ALICE_FALLS 23915	55.59 -0.50 0.00	47.42 -0.53 0.00	48.99 -0.35 0.00	45.89 -0.46 0.00	46.77 -0.71 0.00	53.45 -1.54 0.00	56.48 -2.41 0.00	55.35 -2.07 0.00	58.44 -2.37 0.00	52.45 -2.07 0.00	54.47 -1.86 0.00	51.64 -1.54 0.00	48.31 -1.19 0.00	48.80 -1.00 0.00	48.56 -0.99 0.00	51.18 -0.94 0.00	54.87 -1.41 0.00	55.20 -2.06 0.00	54.24 -2.32 0.00	53.79 -2.48 0.00	48.95 -2.25 0.00	0.01 -2.26 43.93	0.18 -1.83 40.63	41.88 -1.38 0.00
NEG NORTH___LWR_SARANAC 23913	55.59 -0.50 0.00	47.42 -0.53 0.00	48.99 -0.35 0.00	45.89 -0.46 0.00	46.77 -0.71 0.00	53.45 -1.54 0.00	56.48 -2.41 0.00	55.35 -2.07 0.00	58.44 -2.37 0.00	52.45 -2.07 0.00	54.47 -1.86 0.00	51.64 -1.54 0.00	48.31 -1.19 0.00	48.80 -1.00 0.00	48.56 -0.99 0.00	51.18 -0.94 0.00	54.87 -1.41 0.00	55.20 -2.06 0.00	54.24 -2.32 0.00	53.79 -2.48 0.00	48.95 -2.25 0.00	0.01 -2.26 43.93	0.18 -1.83 40.63	41.88 -1.38 0.00
NEG NORTH___PLATTSBURG 23628	55.58 -0.51 0.00	47.42 -0.53 0.00	48.99 -0.34 0.00	45.89 -0.46 0.00	46.78 -0.71 0.00	53.45 -1.54 0.00	56.47 -2.42 0.00	55.35 -2.06 0.00	58.44 -2.37 0.00	52.45 -2.07 0.00	54.52 -1.80 0.00	51.64 -1.54 0.00	48.31 -1.19 0.00	48.75 -1.05 0.00	48.56 -0.99 0.00	51.19 -0.94 0.00	54.87 -1.40 0.00	55.20 -2.06 0.00	54.24 -2.32 0.00	53.84 -2.42 0.00	48.90 -2.30 0.00	0.01 -2.26 43.93	0.01 -2.00 40.63	41.84 -1.43 0.00
NEG WEST_LEA_LOCKPORT 23791	53.63 -6.45 -3.99	47.55 -5.32 -4.93	47.81 -5.53 -4.00	45.66 -5.15 -4.45	46.93 -5.27 -4.71	54.17 -4.89 -4.08	61.13 -5.01 -7.25	57.41 -5.86 -5.84	57.88 -6.51 -3.58	52.13 -5.94 -3.55	49.91 -6.98 -0.56	46.91 -6.91 -0.64	43.55 -6.48 -0.54	43.33 -6.92 -0.45	43.51 -6.54 -0.49	45.57 -7.25 -0.69	50.11 -7.65 -1.49	53.65 -6.24 -2.63	49.77 -6.28 0.51	49.21 -7.48 -0.43	46.04 -6.86 -1.69	42.14 -5.73 -1.66	38.08 -5.63 -1.07	39.73 -4.85 -1.31
NEG WEST___LANCASTER 23811	54.25 -6.45 -4.61	48.27 -5.37 -5.70	48.39 -5.58 -4.62	46.31 -5.19 -5.15	47.61 -5.32 -5.44	54.64 -5.06 -4.71	62.32 -4.95 -8.38	59.25 -5.05 -6.88	59.61 -5.35 -4.15	53.88 -4.85 -4.21	51.01 -5.91 -0.60	48.36 -5.53 -0.70	44.82 -5.25 -0.56	45.74 -4.53 -0.47	45.41 -4.66 -0.52	48.82 -4.01 -0.71	54.05 -3.83 -1.60	54.07 -6.01 -2.82	51.07 -5.60 -0.11	53.62 -3.38 -0.74	49.94 -3.07 -1.81	44.29 -3.74 -1.83	40.01 -3.80 -1.16	39.72 -4.98 -1.43
NEG_PENN_ALLEGHNY 23528	64.79 -0.17 -8.86	58.79 -0.10 -10.95	58.12 -0.10 -8.88	56.19 -0.05 -9.89	57.90 -0.05 -10.46	64.48 0.44 -9.05	75.82 0.82 -16.11	77.57 0.80 -19.35	75.75 0.73 -14.21	64.73 0.55 -9.67	60.75 0.45 -3.97	56.94 0.27 -3.49	53.60 0.10 -4.01	53.28 0.15 -3.34	53.37 0.15 -3.67	57.87 0.26 -5.49	65.61 0.62 -8.72	73.23 0.91 -15.06	70.47 0.90 -13.00	66.67 0.79 -9.62	61.69 0.62 -9.87	56.10 0.41 -9.48	48.88 0.21 -6.02	50.80 0.13 -7.40
NEG___GEN_MONROE 24207	56.44 -2.97 -3.32	49.60 -2.45 -4.11	50.15 -2.52 -3.33	47.74 -2.32 -3.71	49.13 -2.28 -3.92	56.57 -1.81 -3.39	63.22 -1.71 -6.04	62.13 -2.30 -7.00	63.01 -2.74 -4.93	55.58 -2.62 -3.68	53.30 -3.66 -0.63	50.46 -3.83 -1.10	46.49 -3.61 -0.61	46.22 -4.08 -0.51	46.40 -3.72 -0.56	48.60 -4.33 -0.80	53.49 -4.33 -1.55	57.05 -2.92 -2.71	56.26 -3.00 -2.70	53.86 -4.28 -1.87	48.76 -4.20 -1.76	44.49 -3.42 -1.70	40.53 -3.20 -1.09	42.05 -2.55 -1.34
NEPA___ENERGY 23901	55.87 -4.94 -4.71	49.74 -4.03 -5.82	49.82 -4.24 -4.73	47.72 -3.89 -5.26	49.06 -3.99 -5.56	56.23 -3.57 -4.81	64.10 -3.36 -8.57	60.78 -3.79 -7.16	60.88 -4.26 -4.33	55.08 -3.82 -4.37	51.85 -5.07 -0.59	48.98 -4.95 -0.74	45.40 -4.65 -0.55	45.58 -4.68 -0.46	45.41 -4.66 -0.51	48.02 -4.80 -0.70	52.91 -4.95 -1.59	55.19 -4.87 -2.80	51.93 -4.75 -0.12	52.33 -4.67 -0.74	48.65 -4.35 -1.80	43.95 -4.07 -1.81	39.91 -3.88 -1.15	40.70 -3.98 -1.41
NEVERSINK___HYD 23608	84.27 3.76 -24.42	81.22 3.11 -30.17	76.98 3.16 -24.48	76.61 3.01 -27.24	79.39 3.08 -28.82	83.67 3.74 -24.93	107.93 4.65 -44.38	115.84 4.53 -53.89	104.98 4.75 -39.42	85.41 3.87 -27.02	70.83 3.55 -10.95	65.66 3.19 -9.29	61.97 1.44 -11.03	60.38 1.39 -9.19	61.04 1.39 -10.10	68.95 1.72 -15.11	82.40 2.36 -23.76	101.18 2.86 -41.06	94.95 2.94 -35.45	85.25 2.76 -26.24	81.99 3.89 -26.90	75.69 3.37 -26.11	61.96 2.81 -16.51	65.97 2.42 -20.29
NEWKRMKL_115KV_TB1 55635	92.34 2.52 -33.72	91.75 2.16 -41.65	85.46 2.32 -33.80	86.15 2.18 -37.62	89.47 2.18 -39.80	92.06 2.64 -34.42	123.00 2.83 -61.29	134.18 2.35 -74.41	117.86 2.61 -54.43	94.24 2.40 -37.32	74.04 2.59 -15.12	68.46 2.45 -12.83	67.02 2.28 -15.24	64.78 2.29 -12.69	65.83 2.33 -13.95	75.19 2.19 -20.88	91.24 2.14 -32.83	116.03 2.06 -56.71	107.57 2.04 -48.98	94.53 2.03 -36.24	90.26 1.89 -37.16	84.11 1.85 -36.06	66.99 1.71 -22.65	72.95 1.86 -27.83

NEWTON___FALLS_HYD 23847	55.94 -0.90 -0.75	48.00 -0.86 -0.92	49.20 -0.89 -0.75	46.35 -0.83 -0.83	47.56 -0.81 -0.88	54.43 -1.32 -0.76	58.89 -1.35 -1.36	57.97 -1.09 -1.65	60.67 -1.34 -1.20	54.09 -1.25 -0.82	55.25 -1.41 -0.33	52.03 -1.44 -0.28	48.45 -1.39 -0.34	48.73 -1.34 -0.28	48.48 -1.39 -0.31	51.39 -1.20 -0.46	55.81 -1.18 -0.72	57.19 -1.32 -1.25	56.17 -1.47 -1.08	55.60 -1.46 -0.80	50.59 -1.43 -0.82	50.10 -1.48 -5.38	46.13 -1.24 -4.73	43.06 -0.82 -0.61
NGRID_A1_DSASP 323792	53.47 -6.68 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.59 -5.60 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.52 -6.38 -3.38	49.35 -7.55 -0.57	47.07 -6.76 -0.64	43.51 -6.53 -0.55	42.98 -7.27 -0.46	43.02 -7.04 -0.50	44.95 -7.87 -0.70	49.31 -8.44 -1.48	53.05 -6.82 -2.61	50.71 -6.50 -0.65	48.53 -8.66 -0.93	45.20 -7.68 -1.68	41.23 -6.61 -1.64	38.49 -5.20 -1.05	39.41 -5.15 -1.29
NGRID_A2_DSASP 323793	53.47 -6.68 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.59 -5.60 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.52 -6.38 -3.38	49.35 -7.55 -0.57	47.07 -6.76 -0.64	43.51 -6.53 -0.55	42.98 -7.27 -0.46	43.02 -7.04 -0.50	44.95 -7.87 -0.70	49.31 -8.44 -1.48	53.05 -6.82 -2.61	50.71 -6.50 -0.65	48.53 -8.66 -0.93	45.20 -7.68 -1.68	41.23 -6.61 -1.64	38.49 -5.20 -1.05	39.41 -5.15 -1.29
NGRID_A4_DSASP 323807	53.47 -6.68 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.59 -5.60 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.52 -6.38 -3.38	49.35 -7.55 -0.57	47.07 -6.76 -0.64	43.51 -6.53 -0.55	42.98 -7.27 -0.46	43.02 -7.04 -0.50	44.95 -7.87 -0.70	49.31 -8.44 -1.48	53.05 -6.82 -2.61	50.71 -6.50 -0.65	48.53 -8.66 -0.93	45.20 -7.68 -1.68	41.23 -6.61 -1.64	38.49 -5.20 -1.05	39.41 -5.15 -1.29
NIAGARA_115E_LBMP 323715	53.26 -6.90 -4.07	47.31 -5.66 -5.02	47.49 -5.92 -4.08	45.37 -5.52 -4.54	46.63 -5.65 -4.80	53.81 -5.33 -4.15	60.62 -5.65 -7.39	56.72 -6.49 -5.79	57.25 -7.11 -3.56	51.65 -6.38 -3.51	49.35 -7.55 -0.57	46.70 -7.13 -0.64	43.11 -6.93 -0.54	43.03 -7.22 -0.46	43.07 -6.99 -0.50	45.05 -7.77 -0.69	49.48 -8.27 -1.48	53.50 -6.36 -2.60	50.78 -6.50 -0.72	49.45 -7.76 -0.96	46.02 -6.86 -1.68	42.02 -5.82 -1.64	38.45 -5.25 -1.05	39.36 -5.19 -1.29
NIAGARA_115W_LBMP 323714	53.35 -6.79 -4.05	47.43 -5.51 -5.00	47.67 -5.72 -4.06	45.54 -5.33 -4.52	46.76 -5.51 -4.78	53.90 -5.23 -4.13	60.41 -5.77 -7.29	56.33 -6.66 -5.57	56.97 -7.30 -3.46	51.33 -6.54 -3.36	49.24 -7.66 -0.57	47.07 -6.76 -0.64	43.46 -6.58 -0.55	42.88 -7.37 -0.46	42.92 -7.14 -0.50	44.85 -7.97 -0.70	49.20 -8.55 -1.48	52.94 -6.93 -2.61	50.67 -6.56 -0.67	48.42 -8.78 -0.94	45.10 -7.78 -1.68	41.14 -6.70 -1.64	38.41 -5.29 -1.05	39.32 -5.24 -1.29
NIAGARA_230_LBMP 323716	53.97 -6.11 -4.00	47.89 -4.99 -4.94	48.11 -5.23 -4.01	45.99 -4.82 -4.46	47.22 -4.99 -4.72	54.45 -4.62 -4.08	61.39 -4.77 -7.27	57.18 -5.62 -5.39	57.97 -6.26 -3.42	52.15 -5.56 -3.19	50.14 -6.76 -0.57	47.09 -6.76 -0.66	43.81 -6.24 -0.55	43.64 -6.62 -0.46	43.67 -6.39 -0.51	45.69 -7.14 -0.71	50.23 -7.54 -1.50	53.42 -6.47 -2.63	50.80 -6.50 -0.74	49.53 -7.71 -0.98	46.09 -6.81 -1.70	41.99 -5.87 -1.65	39.06 -4.65 -1.06	39.98 -4.59 -1.30
NIAGARA___115KV_198_GIBSON 55903	53.35 -6.79 -4.05	47.43 -5.51 -5.00	47.67 -5.72 -4.06	45.54 -5.33 -4.52	46.76 -5.51 -4.78	53.90 -5.22 -4.13	60.46 -5.71 -7.29	56.39 -6.60 -5.57	56.97 -7.30 -3.46	51.23 -6.65 -3.36	49.29 -7.60 -0.57	47.07 -6.75 -0.64	42.97 -7.08 -0.55	42.69 -7.57 -0.46	42.87 -7.19 -0.50	44.85 -7.97 -0.70	49.23 -8.55 -1.51	52.71 -7.21 -2.66	50.38 -6.50 -0.32	49.46 -7.60 -0.80	44.93 -7.99 -1.72	41.20 -6.70 -1.69	37.63 -6.10 -1.08	39.23 -5.37 -1.33
NIAGARA____ 23760	54.04 -6.11 -4.06	47.97 -4.99 -5.01	48.17 -5.23 -4.07	46.06 -4.82 -4.53	47.29 -4.99 -4.79	54.52 -4.62 -4.14	61.46 -4.77 -7.33	57.38 -5.62 -5.59	58.03 -6.26 -3.48	52.31 -5.56 -3.35	50.14 -6.76 -0.57	47.09 -6.76 -0.66	43.81 -6.24 -0.55	43.63 -6.62 -0.46	43.67 -6.39 -0.50	45.69 -7.14 -0.70	50.22 -7.54 -1.49	53.42 -6.47 -2.63	50.80 -6.50 -0.74	49.53 -7.71 -0.97	46.08 -6.81 -1.69	41.99 -5.87 -1.65	39.05 -4.65 -1.06	39.97 -4.59 -1.29
NINE_MILE_1 23575	55.70 -2.07 -1.69	48.25 -1.77 -2.08	49.20 -1.82 -1.69	46.52 -1.71 -1.88	47.72 -1.76 -1.99	54.95 -1.76 -1.72	60.19 -1.77 -3.07	59.42 -1.72 -3.72	61.65 -1.89 -2.72	54.64 -1.75 -1.87	55.06 -2.03 -0.76	51.80 -2.02 -0.64	48.33 -1.93 -0.76	48.49 -1.94 -0.63	48.37 -1.88 -0.70	51.13 -2.03 -1.04	55.83 -2.08 -1.64	58.31 -1.78 -2.83	57.19 -1.81 -2.44	55.99 -2.08 -1.81	51.11 -1.95 -1.85	46.25 -1.76 -1.80	42.19 -1.58 -1.13	43.06 -1.60 -1.39
NINE_MILE_2 23744	55.70 -2.07 -1.68	48.25 -1.77 -2.08	49.20 -1.82 -1.69	46.52 -1.71 -1.88	47.72 -1.76 -1.99	54.95 -1.76 -1.72	60.18 -1.77 -3.06	59.41 -1.72 -3.71	61.64 -1.89 -2.72	54.63 -1.75 -1.86	55.06 -2.03 -0.75	51.80 -2.02 -0.64	48.33 -1.93 -0.76	48.49 -1.94 -0.63	48.37 -1.88 -0.70	51.13 -2.03 -1.04	55.82 -2.08 -1.63	58.30 -1.78 -2.82	57.18 -1.81 -2.44	55.98 -2.08 -1.80	51.11 -1.95 -1.85	46.25 -1.76 -1.80	42.19 -1.58 -1.13	43.05 -1.60 -1.39
NM_CAPITAL___DRP 24208	92.25 2.52 -33.63	91.65 2.16 -41.54	85.37 2.32 -33.72	86.05 2.18 -37.52	89.37 2.18 -39.69	91.97 2.64 -34.33	122.78 2.77 -61.13	133.99 2.35 -74.22	117.77 2.68 -54.29	94.20 2.45 -37.23	74.00 2.59 -15.08	68.43 2.45 -12.80	66.98 2.28 -15.20	64.80 2.34 -12.66	65.80 2.33 -13.91	75.19 2.24 -20.83	91.27 2.25 -32.74	116.00 2.18 -56.57	107.56 2.15 -48.85	94.55 2.14 -36.15	90.26 2.00 -37.06	84.11 1.94 -35.96	66.98 1.75 -22.59	72.92 1.90 -27.75
NM_CENTRAL___DRP 24181	57.52 -1.01 -2.43	50.09 -0.86 -3.01	50.89 -0.89 -2.44	48.23 -0.83 -2.72	49.55 -0.81 -2.87	56.87 -0.60 -2.49	62.96 -0.35 -4.42	62.45 -0.34 -5.37	64.31 -0.43 -3.93	56.77 -0.44 -2.69	56.63 -0.79 -1.09	53.21 -0.90 -0.93	49.71 -0.89 -1.10	49.76 -0.95 -0.92	49.72 -0.84 -1.01	52.64 -0.99 -1.51	57.77 -0.84 -2.34	60.85 -0.46 -4.05	59.55 -0.51 -3.50	58.01 -0.84 -2.59	52.99 -0.87 -2.65	48.02 -0.79 -2.60	43.38 -0.90 -1.63	44.49 -0.78 -2.00
NM_FRONTIER___DRP 24179	53.35 -6.79 -4.05	47.43 -5.51 -5.00	47.67 -5.72 -4.06	45.54 -5.33 -4.52	46.76 -5.51 -4.78	53.90 -5.22 -4.13	60.46 -5.71 -7.29	56.39 -6.60 -5.57	56.97 -7.30 -3.46	51.23 -6.65 -3.36	49.29 -7.60 -0.57	47.07 -6.75 -0.64	42.97 -7.08 -0.55	42.69 -7.57 -0.46	42.87 -7.19 -0.50	44.85 -7.97 -1.51	49.23 -8.55 -2.66	52.71 -7.21 -2.66	50.38 -6.50 -0.32	49.46 -7.60 -0.80	44.93 -7.99 -1.72	41.20 -6.70 -1.69	37.63 -6.10 -1.08	39.23 -5.37 -1.33
NM_ST_REGIS___HYD 24053	54.69 -1.40 0.00	46.65 -1.29 0.00	48.15 -1.18 0.00	45.19 -1.16 0.00	46.25 -1.23 0.00	52.63 -2.36 0.00	56.12 -2.77 0.00	55.01 -2.41 0.00	58.07 -2.74 0.00	52.12 -2.40 0.00	54.13 -2.20 0.00	51.22 -1.97 0.00	47.77 -1.73 0.00	48.15 -1.64 0.00	47.87 -1.68 0.00	50.51 -1.62 0.00	54.30 -1.97 0.00	54.74 -2.52 0.00	53.96 -2.60 0.00	53.79 -2.48 0.00	49.00 -2.20 0.00	55.51 -2.17 -11.47	51.66 -1.58 -10.60	42.14 -1.12 0.00

NORTHPORT___1 23551	109.33 5.33 -47.90	100.35 4.70 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.16 4.60 -46.07	109.06 5.50 -48.56	114.66 6.36 -49.41	140.57 6.15 -77.00	128.12 6.63 -60.68	112.05 5.89 -51.64	99.94 5.80 -37.80	92.58 5.43 -33.97	78.75 5.15 -24.10	76.85 5.13 -21.92	94.30 4.96 -39.79	100.39 5.37 -42.89	127.13 5.80 -65.06	155.61 6.19 -92.16	156.43 6.11 -93.76	148.78 5.96 -86.56	120.87 5.37 -64.29	107.32 4.85 -56.26	83.74 4.48 -36.63	76.47 4.28 -28.92
NORTHPORT___2 23552	109.33 5.33 -47.90	100.35 4.70 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.16 4.60 -46.07	109.06 5.50 -48.56	114.66 6.36 -49.41	140.57 6.15 -77.00	128.12 6.63 -60.68	112.05 5.89 -51.64	99.94 5.80 -37.80	92.58 5.43 -33.97	78.75 5.15 -24.10	76.85 5.13 -21.92	94.30 4.96 -39.79	100.39 5.37 -42.89	127.13 5.80 -65.06	155.61 6.19 -92.16	156.43 6.11 -93.76	148.78 5.96 -86.56	120.87 5.37 -64.29	107.32 4.85 -56.26	83.74 4.48 -36.63	76.47 4.28 -28.92
NORTHPORT___3 23553	109.21 5.22 -47.90	100.06 4.41 -47.71	93.55 4.49 -39.72	89.99 4.22 -39.42	97.93 4.37 -46.07	108.78 5.23 -48.56	114.36 6.07 -49.41	140.51 6.08 -77.00	128.06 6.57 -60.68	111.94 5.78 -51.64	99.82 5.69 -37.80	92.47 5.32 -33.97	78.50 4.90 -24.10	76.60 4.88 -21.92	94.15 4.81 -39.79	100.18 5.16 -42.89	127.13 5.80 -65.06	155.15 5.73 -92.16	155.98 5.66 -93.76	148.62 5.80 -86.56	120.87 5.37 -64.29	107.27 4.81 -56.26	83.53 4.26 -36.63	76.16 3.98 -28.92
NORTHPORT___4 23650	109.21 5.22 -47.90	100.06 4.41 -47.71	93.55 4.49 -39.72	89.99 4.22 -39.42	97.93 4.37 -46.07	108.78 5.23 -48.56	114.36 6.07 -49.41	140.51 6.08 -77.00	128.06 6.57 -60.68	111.94 5.78 -51.64	99.82 5.69 -37.80	92.47 5.32 -33.97	78.50 4.90 -24.10	76.60 4.88 -21.92	94.15 4.81 -39.79	100.18 5.16 -42.89	127.13 5.80 -65.06	155.15 5.73 -92.16	155.98 5.66 -93.76	148.62 5.80 -86.56	120.87 5.37 -64.29	107.27 4.81 -56.26	83.53 4.26 -36.63	76.16 3.98 -28.92
NORTHPORT___IC 23718	109.33 5.33 -47.90	100.35 4.70 -47.71	93.80 4.74 -39.72	90.27 4.50 -39.42	98.16 4.60 -46.07	109.06 5.50 -48.56	114.66 6.36 -49.41	140.57 6.15 -77.00	128.12 6.63 -60.68	112.05 5.89 -51.64	99.94 5.80 -37.80	92.58 5.43 -33.97	78.75 5.15 -24.10	76.85 5.13 -21.92	94.30 4.96 -39.79	100.39 5.37 -42.89	127.13 5.80 -65.06	155.61 6.19 -92.16	156.43 6.11 -93.76	148.78 5.96 -86.56	120.87 5.37 -64.29	107.32 4.85 -56.26	83.74 4.48 -36.63	76.47 4.28 -28.92
NORTH___COUNTRY_ESR 323785	54.74 -1.35 0.00	46.75 -1.20 0.00	48.20 -1.13 0.00	45.15 -1.21 0.00	46.01 -1.47 0.00	52.63 -2.36 0.00	55.65 -3.24 0.00	54.43 -2.99 0.00	57.52 -3.28 0.00	51.68 -2.84 0.00	53.79 -2.53 0.00	51.06 -2.13 0.00	47.77 -1.73 0.00	48.25 -1.54 0.00	48.02 -1.54 0.00	50.56 -1.56 0.00	54.08 -2.20 0.00	54.40 -2.86 0.00	53.45 -3.11 0.00	53.17 -3.09 0.00	48.34 -2.87 0.00	-2.87 -2.68 46.39	-2.69 -2.43 42.90	41.36 -1.90 0.00
NPX_GEN_1385_PROXY 323591	108.37 4.38 -47.90	100.15 4.51 -47.71	93.65 4.59 -39.72	90.09 4.31 -39.42	97.98 4.42 -46.07	110.31 5.28 -50.04	112.95 6.12 -47.93	139.30 4.88 -77.00	124.80 5.41 -58.58	113.34 5.07 -53.75	98.58 4.45 -37.80	91.41 4.26 -33.97	78.50 4.90 -24.10	76.60 4.88 -21.92	93.46 4.11 -39.79	99.71 4.69 -42.89	121.87 4.27 -61.32	142.57 4.64 -80.67	143.31 4.53 -82.22	120.35 4.44 -59.64	112.38 4.00 -57.18	105.51 3.79 -55.52	83.98 3.97 -37.37	76.47 4.28 -28.92
NPX_GEN_CSC 323557	110.28 6.28 -47.90	100.97 5.32 -47.71	94.44 5.38 -39.72	90.87 5.10 -39.42	98.83 5.27 -46.07	110.92 5.89 -50.04	113.13 6.30 -47.93	140.91 6.49 -77.00	126.14 6.75 -58.58	114.59 6.32 -53.75	101.85 7.72 -37.80	94.44 7.29 -33.97	80.23 6.64 -24.10	78.34 6.62 -21.92	96.09 6.74 -39.79	102.05 7.03 -42.89	128.48 7.15 -65.06	156.92 7.50 -92.16	157.62 7.30 -93.76	149.46 6.64 -86.56	121.48 5.99 -64.29	107.73 6.00 -55.52	85.94 5.93 -37.37	78.02 5.84 -28.92
NSINS_S_GLNS_FALLS 23858	94.51 3.81 -34.60	93.99 3.31 -42.74	87.38 3.35 -34.69	88.15 3.20 -38.60	91.70 3.37 -40.84	94.55 4.23 -35.32	126.67 4.89 -62.89	138.60 4.82 -76.36	121.89 5.23 -55.85	97.23 4.42 -38.30	76.13 4.28 -15.52	70.39 4.04 -13.17	68.80 3.66 -15.64	66.46 3.64 -13.03	67.49 3.62 -14.32	77.62 4.07 -21.43	94.46 4.50 -33.69	120.27 4.81 -58.20	111.62 4.81 -50.26	98.01 4.56 -37.19	93.28 3.94 -38.13	86.62 3.42 -37.00	68.91 3.03 -23.24	74.63 2.81 -28.55
NUCOR_STEEL___DRP 24197	59.14 -0.28 -3.33	51.86 -0.19 -4.11	52.48 -0.20 -3.34	49.88 -0.19 -3.71	51.22 -0.19 -3.93	58.67 0.27 -3.40	65.64 0.71 -6.05	65.51 0.75 -7.34	66.85 0.67 -5.37	58.63 0.44 -3.68	58.31 0.00 -1.98	54.24 -0.21 -1.26	51.22 -0.30 -2.02	51.07 -0.40 -1.68	51.10 -0.30 -1.84	54.59 -0.31 -2.78	60.38 -0.06 -4.17	64.90 0.46 -7.18	62.60 0.40 -5.64	60.67 0.06 -4.35	55.77 -0.15 -4.72	50.64 -0.18 -4.62	45.12 -0.38 -2.87	46.57 -0.22 -3.52
NUMBER_THREE_WT_PWR 323818	57.75 0.62 -1.04	49.65 0.43 -1.28	50.77 0.39 -1.04	47.88 0.37 -1.16	49.18 0.47 -1.22	56.76 0.71 -1.06	61.71 0.94 -1.88	60.85 1.15 -2.29	63.51 1.03 -1.67	56.43 0.76 -1.15	57.19 0.40 -0.46	53.68 0.11 -0.39	49.87 -0.10 -0.47	50.14 -0.05 -0.39	49.93 -0.05 -0.43	52.97 0.21 -0.64	57.84 0.56 -1.01	59.57 0.57 -1.74	58.46 0.40 -1.50	57.60 0.23 -1.11	52.34 0.00 -1.14	49.16 -0.18 -3.14	44.92 -0.30 -2.57	44.21 0.09 -0.85
NYISO_LBMP_REFERENCE 24008	56.09 0.00 0.00	47.94 0.00 0.00	49.34 0.00 0.00	46.35 0.00 0.00	47.49 0.00 0.00	54.99 0.00 0.00	58.89 0.00 0.00	57.42 0.00 0.00	60.81 0.00 0.00	54.52 0.00 0.00	56.33 0.00 0.00	53.18 0.00 0.00	49.50 0.00 0.00	49.80 0.00 0.00	49.56 0.00 0.00	52.12 0.00 0.00	56.27 0.00 0.00	57.26 0.00 0.00	56.56 0.00 0.00	56.26 0.00 0.00	51.20 0.00 0.00	46.20 0.00 0.00	42.64 0.00 0.00	43.27 0.00 0.00
NYPA_BRENTWD___GT 24164	110.22 6.23 -47.90	100.97 5.32 -47.71	94.39 5.33 -39.72	90.83 5.05 -39.42	98.78 5.22 -46.07	109.77 6.21 -48.56	115.48 7.18 -49.41	141.54 7.12 -77.00	129.09 7.60 -60.68	112.87 6.70 -51.64	100.95 6.81 -37.80	93.48 6.33 -33.97	79.49 5.89 -24.10	77.59 5.87 -21.92	95.19 5.84 -39.79	101.27 6.25 -42.89	128.20 6.86 -65.06	156.81 7.39 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.20 5.73 -56.26	84.47 5.20 -36.63	77.16 4.97 -28.92
NYPA_GOWANUS___GT5 24156	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66
NYPA_GOWANUS___GT6 24157	88.56 5.27 -27.20	86.00 4.46 -33.60	81.05 4.44 -27.27	80.87 4.17 -30.34	83.91 4.32 -32.10	87.88 5.12 -27.77	114.30 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.55 5.62 -93.41	111.28 5.63 -49.32	111.22 5.22 -52.82	101.97 4.80 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.02 5.05 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.62 5.42 -58.99	80.68 4.76 -29.71	65.38 4.22 -18.52	69.86 3.94 -22.66

NYPA_HARLEM__RVR_GT1 24160	88.34 5.05 -27.20	85.80 4.27 -33.60	80.95 4.34 -27.27	80.82 4.12 -30.34	83.81 4.22 -32.10	87.88 5.12 -27.77	114.22 5.53 -49.80	124.86 5.57 -61.87	117.59 6.02 -50.76	99.19 5.35 -39.32	77.65 5.35 -15.97	73.04 5.00 -14.86	126.89 4.60 -72.79	69.13 4.58 -14.76	68.57 4.46 -14.56	77.00 4.79 -20.08	90.77 5.40 -29.10	121.27 5.78 -58.23	118.35 5.71 -56.08	109.92 5.63 -48.03	88.22 5.12 -31.90	79.91 4.53 -29.17	65.14 4.05 -18.45	69.60 3.68 -22.66
NYPA_HARLEM__RVR_GT2 24161	88.34 5.05 -27.20	85.80 4.27 -33.60	80.95 4.34 -27.27	80.82 4.12 -30.34	83.81 4.22 -32.10	87.88 5.12 -27.77	114.22 5.53 -49.80	124.86 5.57 -61.87	117.59 6.02 -50.76	99.19 5.35 -39.32	77.65 5.35 -15.97	73.04 5.00 -14.86	126.89 4.60 -72.79	69.13 4.58 -14.76	68.57 4.46 -14.56	77.00 4.79 -20.08	90.77 5.40 -29.10	121.27 5.78 -58.23	118.35 5.71 -56.08	109.92 5.63 -48.03	88.22 5.12 -31.90	79.91 4.53 -29.17	65.14 4.05 -18.45	69.60 3.68 -22.66
NYPA_KENT____GT 24152	88.45 5.16 -27.20	85.90 4.36 -33.60	80.99 4.39 -27.27	80.82 4.12 -30.34	83.86 4.28 -32.10	87.82 5.06 -27.77	114.23 5.71 -49.63	135.17 5.74 -72.01	157.94 6.21 -90.92	153.43 5.50 -93.41	111.43 5.52 -49.58	111.34 5.16 -53.00	101.93 4.75 -47.67	101.10 4.73 -46.58	90.88 4.61 -36.72	98.97 5.00 -41.85	115.01 5.63 -53.11	125.36 6.07 -62.03	188.25 5.99 -125.69	120.73 5.85 -58.62	114.56 5.32 -58.03	80.58 4.66 -29.71	65.30 4.14 -18.52	69.77 3.85 -22.66
NYPA_POUCH1____GT 24155	88.39 5.10 -27.20	85.86 4.32 -33.60	80.89 4.29 -27.27	80.72 4.03 -30.34	83.77 4.18 -32.10	87.71 4.95 -27.77	114.00 5.48 -49.63	135.06 5.63 -72.01	157.81 6.08 -90.92	153.27 5.35 -93.41	111.00 5.35 -49.32	118.16 5.00 -59.98	104.71 4.60 -50.61	100.90 4.53 -46.58	90.73 4.46 -36.72	98.82 4.85 -41.85	114.68 5.52 -52.89	127.68 6.07 -64.35	230.16 5.99 -167.61	121.40 5.85 -59.29	115.47 5.28 -58.99	80.54 4.62 -29.71	65.21 4.05 -18.52	69.73 3.81 -22.66
NYPA_VERNON____GT2 24162	88.34 5.05 -27.20	85.81 4.27 -33.60	80.89 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.18 5.65 -49.63	135.12 5.69 -72.01	157.87 6.14 -90.92	153.38 5.45 -93.41	111.57 5.41 -49.83	111.41 5.06 -53.17	101.82 4.65 -47.67	101.00 4.63 -46.58	90.83 4.56 -36.72	98.87 4.90 -41.85	115.12 5.52 -53.33	122.87 5.90 -59.71	146.17 5.83 -83.78	119.88 5.68 -57.94	113.43 5.17 -57.06	80.49 4.58 -29.71	65.26 4.09 -18.52	69.69 3.76 -22.66
NYPA_VERNON____GT3 24163	88.34 5.05 -27.20	85.81 4.27 -33.60	80.89 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.18 5.65 -49.63	135.12 5.69 -72.01	157.87 6.14 -90.92	153.38 5.45 -93.41	111.57 5.41 -49.83	111.41 5.06 -53.17	101.82 4.65 -47.67	101.00 4.63 -46.58	90.83 4.56 -36.72	98.87 4.90 -41.85	115.12 5.52 -53.33	122.87 5.90 -59.71	146.17 5.83 -83.78	119.88 5.68 -57.94	113.43 5.17 -57.06	80.49 4.58 -29.71	65.26 4.09 -18.52	69.69 3.76 -22.66
NYPA__ASTORIA_CC1 323568	88.28 4.99 -27.20	85.80 4.27 -33.60	80.89 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.60 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.35 -93.41	111.00 5.35 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.83 5.77 -67.49	116.97 5.63 -55.08	111.00 5.12 -54.68	80.45 4.53 -29.71	65.21 4.05 -18.52	69.68 3.76 -22.66
NYPA__ASTORIA_CC2 323569	88.28 4.99 -27.20	85.80 4.27 -33.60	80.89 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.60 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.35 -93.41	111.00 5.35 -49.32	111.00 5.00 -52.82	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.56 5.40 -52.89	122.00 5.84 -58.90	129.83 5.77 -67.49	116.97 5.63 -55.08	111.00 5.12 -54.68	80.45 4.53 -29.71	65.21 4.05 -18.52	69.68 3.76 -22.66
NYPA__HOLTSVILL 23794	110.22 6.23 -47.90	100.92 5.27 -47.71	94.39 5.33 -39.72	90.78 5.01 -39.42	98.74 5.18 -46.07	109.66 6.10 -48.56	115.18 6.89 -49.41	141.42 7.00 -77.00	128.85 7.35 -60.68	112.76 6.59 -51.64	101.29 7.15 -37.80	93.80 6.65 -33.97	79.69 6.09 -24.10	77.79 6.07 -21.92	95.49 6.14 -39.79	101.58 6.57 -42.89	128.42 7.09 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.38 5.92 -56.26	84.73 5.46 -36.63	77.42 5.23 -28.92
NYPA__HELLGATE_GT1 24158	88.34 5.05 -27.20	85.80 4.27 -33.60	80.95 4.34 -27.27	80.82 4.12 -30.34	83.81 4.22 -32.10	87.88 5.12 -27.77	113.88 5.53 -49.45	145.13 5.57 -82.15	197.94 6.02 -131.11	207.40 5.35 -147.54	124.98 5.35 -63.30	129.59 5.00 -71.41	70.71 4.60 -16.60	128.51 4.58 -74.14	112.90 4.46 -58.88	120.53 4.79 -63.62	123.81 5.40 -62.13	121.27 5.78 -58.23	118.35 5.71 -56.08	92.69 5.63 -30.80	109.41 5.12 -53.09	80.97 4.53 -30.24	65.27 4.05 -18.57	69.60 3.68 -22.66
NYPA__HELLGATE_GT2 24159	88.34 5.05 -27.20	85.80 4.27 -33.60	80.95 4.34 -27.27	80.82 4.12 -30.34	83.81 4.22 -32.10	87.88 5.12 -27.77	113.88 5.53 -49.45	145.13 5.57 -82.15	197.94 6.02 -131.11	207.40 5.35 -147.54	124.98 5.35 -63.30	129.59 5.00 -71.41	70.71 4.60 -16.60	128.51 4.58 -74.14	112.90 4.46 -58.88	120.53 4.79 -63.62	123.81 5.40 -62.13	121.27 5.78 -58.23	118.35 5.71 -56.08	92.69 5.63 -30.80	109.41 5.12 -53.09	80.97 4.53 -30.24	65.27 4.05 -18.57	69.60 3.68 -22.66
NYS_BARGE__HYD 23848	53.77 -6.28 -3.96	47.71 -5.13 -4.89	47.93 -5.38 -3.97	45.76 -5.01 -4.42	47.03 -5.13 -4.67	54.31 -4.73 -4.04	61.19 -4.89 -7.19	57.67 -5.69 -5.94	58.18 -6.33 -3.70	52.41 -5.67 -3.56	50.03 -6.87 -0.57	47.27 -6.60 -0.68	43.71 -6.34 -0.55	43.63 -6.62 -0.46	43.66 -6.39 -0.50	45.79 -7.04 -0.70	50.27 -7.48 -1.48	53.98 -5.90 -2.61	51.59 -6.00 -1.03	50.15 -7.20 -1.09	46.48 -6.40 -1.68	42.34 -5.50 -1.64	38.88 -4.82 -1.05	39.89 -4.67 -1.29
OAK ORCHARD__HYD 24046	56.64 -2.75 -3.29	49.76 -2.25 -4.07	50.22 -2.42 -3.30	47.85 -2.18 -3.67	49.14 -2.23 -3.89	56.71 -1.65 -3.36	63.34 -1.53 -5.99	62.41 -2.01 -7.00	63.40 -2.37 -4.97	56.04 -2.13 -3.65	53.87 -3.10 -0.64	50.95 -3.35 -1.12	47.04 -3.07 -0.61	46.92 -3.39 -0.51	47.00 -3.12 -0.56	49.17 -3.75 -0.80	54.15 -3.72 -1.59	57.64 -2.40 -2.78	57.32 -2.60 -3.36	54.50 -3.94 -2.18	49.52 -3.48 -1.80	44.95 -3.00 -1.75	41.63 -2.13 -1.12	42.56 -2.08 -1.37
OAKDALE__35_KV_LOAD 356122	64.61 -0.28 -8.80	58.67 -0.14 -10.87	57.96 -0.20 -8.82	56.03 -0.14 -9.82	57.73 -0.14 -10.39	64.25 0.27 -8.99	75.53 0.65 -16.00	77.20 0.57 -19.21	75.46 0.55 -14.10	64.49 0.38 -9.59	60.56 0.28 -3.95	56.82 0.16 -3.47	53.53 0.05 -3.98	53.16 0.05 -3.31	53.25 0.05 -3.64	57.73 0.16 -5.45	65.40 0.45 -8.68	73.00 0.74 -14.99	70.76 0.74 -13.46	66.69 0.62 -9.81	61.49 0.46 -9.82	55.94 0.32 -9.41	48.71 0.09 -5.98	50.70 0.09 -7.35
OCC_CHEM__DRP 24175	53.47 -6.67 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.65 -5.54 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.35 -6.54 -3.38	49.41 -7.49 -0.57	47.07 -6.75 -0.64	43.11 -6.93 -0.55	42.78 -7.47 -0.46	42.97 -7.09 -0.50	44.95 -7.87 -0.70	49.34 -8.44 -1.51	52.82 -7.10 -2.66	50.36 -6.50 -0.30	49.51 -7.54 -0.79	45.03 -7.89 -1.71	41.29 -6.61 -1.69	37.71 -6.01 -1.08	39.31 -5.28 -1.33

OH_GEN_PROXY 24063	54.10 -6.00 -4.01	48.00 -4.89 -4.95	48.22 -5.13 -4.02	46.09 -4.73 -4.47	47.32 -4.89 -4.73	49.88 -4.51 0.61	60.04 -4.65 -5.81	58.65 -5.46 -6.69	56.79 -6.08 -2.06	55.21 -5.40 -6.09	50.34 -6.59 -0.60	47.27 -6.60 -0.68	42.91 -6.09 0.50	43.80 -6.42 -0.43	43.88 -6.20 -0.52	45.92 -6.93 -0.73	50.42 -7.37 -1.52	53.63 -6.30 -2.67	51.30 -6.28 -1.02	49.89 -7.48 -1.11	46.32 -6.61 -1.72	41.41 -5.73 -0.94	39.95 -4.52 -1.83	40.09 -4.50 -1.32
OLIN_CORP_DRP 24177	53.45 -6.73 -4.09	47.44 -5.56 -5.06	47.67 -5.77 -4.10	45.54 -5.38 -4.57	46.76 -5.56 -4.83	54.00 -5.17 -4.18	60.91 -5.42 -7.44	56.96 -6.26 -5.80	57.43 -6.93 -3.55	51.73 -6.32 -3.53	49.57 -7.32 -0.57	46.64 -7.18 -0.63	43.26 -6.78 -0.54	42.98 -7.27 -0.45	43.17 -6.89 -0.50	45.21 -7.61 -0.69	49.62 -8.16 -1.51	53.62 -6.30 -2.66	50.40 -6.45 -0.29	49.22 -7.82 -0.78	45.85 -7.07 -1.71	42.12 -5.78 -1.69	37.84 -5.88 -1.08	39.40 -5.19 -1.33
OLIN_CORP_DSASP 323712	53.47 -6.68 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.59 -5.60 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.52 -6.38 -3.38	49.35 -7.55 -0.57	47.07 -6.76 -0.64	43.51 -6.53 -0.55	42.98 -7.27 -0.46	43.02 -7.04 -0.50	44.95 -7.87 -0.70	49.31 -8.44 -1.48	53.05 -6.82 -2.61	50.71 -6.50 -0.65	48.53 -8.66 -0.93	45.20 -7.68 -1.68	41.23 -6.61 -1.64	38.49 -5.20 -1.05	39.41 -5.15 -1.29
ONEIDA_HERK_LFGE 323681	58.66 1.63 -0.94	50.40 1.29 -1.17	51.62 1.33 -0.95	48.66 1.25 -1.05	49.93 1.33 -1.11	57.77 1.81 -0.96	62.72 2.12 -1.72	61.74 2.24 -2.08	64.64 2.31 -1.52	57.52 1.96 -1.04	58.39 1.63 -0.42	54.87 1.33 -0.36	51.01 1.09 -0.43	51.24 1.09 -0.36	51.03 1.09 -0.39	54.01 1.30 -0.58	58.94 1.75 -0.92	60.73 1.89 -1.58	59.62 1.70 -1.37	58.85 1.57 -1.01	53.47 1.23 -1.04	49.22 1.02 -2.00	44.99 0.81 -1.55	45.00 0.95 -0.78
ONEIDA___115KV_TB4 55905	59.71 1.96 -1.66	51.62 1.63 -2.05	52.68 1.68 -1.66	49.78 1.58 -1.85	51.16 1.71 -1.96	59.05 2.36 -1.70	64.79 2.89 -3.02	64.01 2.93 -3.66	66.53 3.04 -2.68	58.81 2.45 -1.84	59.16 2.08 -0.74	55.57 1.76 -0.63	51.73 1.48 -0.75	51.91 1.49 -0.62	51.73 1.49 -0.69	54.92 1.77 -1.03	60.07 2.19 -1.61	62.61 2.58 -2.77	61.27 2.32 -2.40	60.17 2.14 -1.77	54.76 1.74 -1.82	49.46 1.48 -1.78	44.91 1.15 -1.11	45.89 1.25 -1.37
ONONDAGA_REF_OCCRA 23987	58.49 -0.62 -3.01	51.14 -0.53 -3.72	51.81 -0.54 -3.02	49.20 -0.51 -3.36	50.57 -0.47 -3.55	57.90 -0.16 -3.07	64.48 0.12 -5.47	64.24 0.17 -6.65	65.73 0.06 -4.86	57.79 -0.05 -3.33	57.70 -0.34 -1.71	53.85 -0.48 -1.14	50.64 -0.59 -1.74	50.59 -0.65 -1.44	50.55 -0.59 -1.59	53.94 -0.57 -2.39	59.51 -0.39 -3.63	63.57 0.06 -6.25	61.55 0.00 -4.99	59.80 -0.28 -3.82	54.90 -0.41 -4.11	49.79 -0.42 -4.00	44.58 -0.55 -2.49	45.85 -0.48 -3.06
ONONDAGA___COGEN 23986	58.26 -0.62 -2.78	50.90 -0.48 -3.44	51.63 -0.49 -2.79	49.00 -0.46 -3.11	50.30 -0.47 -3.29	57.67 -0.16 -2.84	64.07 0.12 -5.06	63.73 0.17 -6.14	65.42 0.12 -4.49	57.59 0.00 -3.08	57.24 -0.34 -1.25	53.76 -0.48 -1.06	50.21 -0.54 -1.26	50.24 -0.60 -1.05	50.16 -0.55 -1.15	53.27 -0.57 -1.72	58.58 -0.39 -2.70	61.92 0.00 -4.66	60.53 -0.06 -4.02	58.90 -0.34 -2.98	53.80 -0.46 -3.05	48.77 -0.42 -2.98	43.91 -0.60 -1.86	45.08 -0.48 -2.29
ONTARIO___LFGE 23819	59.07 -0.95 -3.94	52.04 -0.77 -4.86	52.49 -0.79 -3.95	50.05 -0.69 -4.39	51.47 -0.66 -4.65	59.07 0.06 -4.02	66.87 0.82 -7.16	68.07 0.86 -9.79	69.27 0.67 -7.80	59.21 0.33 -4.36	55.81 -0.51 0.01	54.47 -0.74 -2.03	48.54 -0.89 0.07	48.75 -1.00 0.05	48.61 -0.89 0.06	51.07 -0.89 0.16	56.06 -0.67 -0.46	58.17 0.06 -0.86	61.20 0.06 -4.59	57.97 -0.51 -2.21	51.11 -0.61 -0.52	45.96 -0.69 -0.45	42.36 -0.64 -0.36	43.01 -0.69 -0.43
ORANGEVILLE_WT_PWR 323706	56.62 -4.43 -4.96	50.43 -3.65 -6.13	50.46 -3.85 -4.98	48.27 -3.62 -5.54	49.69 -3.66 -5.86	56.87 -3.19 -5.07	64.84 -3.06 -9.02	57.48 -3.50 -3.57	56.10 -3.95 0.76	55.62 -3.65 -4.75	51.73 -4.79 -0.19	47.32 -4.68 1.19	45.13 -4.50 -0.13	45.28 -4.63 -0.11	45.12 -4.56 -0.12	47.53 -4.69 -0.10	52.44 -4.78 -0.95	54.51 -4.47 -1.71	43.63 -4.41 8.52	48.04 -4.84 3.38	47.88 -4.40 -1.08	43.15 -4.07 -1.01	39.63 -3.71 -0.70	40.45 -3.68 -0.86
ORANGEVILLE___ESR 323794	56.62 -4.43 -4.96	50.43 -3.65 -6.13	50.46 -3.85 -4.98	48.27 -3.62 -5.54	49.69 -3.66 -5.86	56.87 -3.19 -5.07	64.84 -3.06 -9.02	57.48 -3.50 -3.57	56.10 -3.95 0.76	55.62 -3.65 -4.75	51.73 -4.79 -0.19	47.32 -4.68 1.19	45.13 -4.50 -0.13	45.28 -4.63 -0.11	45.12 -4.56 -0.12	47.53 -4.69 -0.10	52.44 -4.78 -0.95	54.51 -4.47 -1.71	43.63 -4.41 8.52	48.04 -4.84 3.38	47.88 -4.40 -1.08	43.15 -4.07 -1.01	39.63 -3.71 -0.70	40.45 -3.68 -0.86
OSWEGATCHIE___HYD 24044	55.94 -0.90 -0.75	48.00 -0.86 -0.92	49.20 -0.89 -0.75	46.35 -0.83 -0.83	47.56 -0.81 -0.88	54.43 -1.32 -0.76	58.89 -1.35 -1.36	57.97 -1.09 -1.65	60.67 -1.34 -1.20	54.09 -1.25 -0.82	55.26 -1.41 -0.33	52.03 -1.43 -0.28	48.45 -1.39 -0.34	48.73 -1.34 -0.28	48.48 -1.39 -0.31	51.39 -1.20 -0.46	55.81 -1.18 -0.72	57.20 -1.31 -1.25	56.17 -1.47 -1.08	55.60 -1.46 -0.80	50.54 -1.49 -0.82	50.10 -1.48 -5.38	46.09 -1.28 -4.73	43.06 -0.82 -0.61
OSWEGO___5 23606	56.42 -1.63 -1.96	48.97 -1.39 -2.42	49.86 -1.43 -1.96	47.19 -1.35 -2.18	48.42 -1.38 -2.31	55.67 -1.32 -2.00	61.20 -1.24 -3.55	60.52 -1.21 -4.31	62.63 -1.34 -3.16	55.43 -1.25 -2.16	55.63 -1.58 -0.88	52.33 -1.59 -0.74	48.85 -1.53 -0.88	48.99 -1.54 -0.74	48.88 -1.49 -0.81	51.72 -1.62 -1.21	56.54 -1.63 -1.90	59.22 -1.31 -3.28	58.03 -1.36 -2.83	56.72 -1.63 -2.10	51.86 -1.49 -2.15	46.91 -1.38 -2.09	42.71 -1.24 -1.31	43.62 -1.26 -1.61
OSWEGO___6 23613	56.42 -1.63 -1.96	48.97 -1.39 -2.42	49.86 -1.43 -1.96	47.19 -1.35 -2.18	48.42 -1.38 -2.31	55.67 -1.32 -2.00	61.20 -1.24 -3.55	60.52 -1.21 -4.31	62.63 -1.34 -3.16	55.43 -1.25 -2.16	55.63 -1.58 -0.88	52.33 -1.59 -0.74	48.85 -1.53 -0.88	48.99 -1.54 -0.74	48.88 -1.49 -0.81	51.72 -1.62 -1.21	56.54 -1.63 -1.90	59.22 -1.31 -3.28	58.03 -1.36 -2.83	56.72 -1.63 -2.10	51.86 -1.49 -2.15	46.91 -1.38 -2.09	42.71 -1.24 -1.31	43.62 -1.26 -1.61
OUTOKUMPU-AB___DRP 24206	54.50 -5.72 -4.13	48.39 -4.65 -5.10	48.59 -4.88 -4.14	46.42 -4.54 -4.61	47.71 -4.65 -4.87	55.03 -4.18 -4.22	62.07 -4.30 -7.47	58.14 -5.11 -5.83	58.67 -5.66 -3.51	52.88 -5.23 -3.60	50.64 -6.25 -0.56	47.89 -5.90 -0.61	44.24 -5.79 -0.54	44.07 -6.17 -0.45	44.20 -5.85 -0.49	46.34 -6.46 -0.68	50.91 -6.87 -1.50	54.18 -5.73 -2.64	51.21 -5.49 -0.14	50.56 -6.41 -0.71	46.61 -6.30 -1.70	42.53 -5.36 -1.68	38.65 -5.07 -1.08	40.04 -4.54 -1.32
OXBOW___BTM 323836	54.01 -6.17 -4.09	48.01 -4.99 -5.06	48.21 -5.23 -4.10	46.05 -4.87 -4.57	47.33 -4.99 -4.83	54.55 -4.62 -4.18	61.33 -4.95 -7.39	57.39 -5.74 -5.71	57.92 -6.38 -3.49	52.28 -5.72 -3.49	50.02 -6.87 -0.57	47.58 -6.22 -0.62	44.00 -6.04 -0.54	43.63 -6.62 -0.45	43.66 -6.39 -0.50	45.72 -7.09 -0.69	50.15 -7.60 -1.47	53.67 -6.19 -2.59	51.21 -5.94 -0.59	49.45 -7.71 -0.90	46.01 -6.86 -1.67	41.87 -5.96 -1.63	38.87 -4.82 -1.05	39.75 -4.80 -1.28

OXBOW____ 24026	54.01 -6.17 -4.09	48.01 -4.99 -5.06	48.21 -5.23 -4.10	46.05 -4.87 -4.57	47.28 -5.03 -4.83	54.55 -4.62 -4.18	61.39 -4.89 -7.39	57.39 -5.74 -5.71	57.91 -6.38 -3.49	52.17 -5.83 -3.49	50.08 -6.82 -0.57	47.53 -6.28 -0.62	43.70 -6.34 -0.54	43.48 -6.77 -0.45	43.61 -6.44 -0.50	45.67 -7.14 -0.69	50.18 -7.60 -1.51	53.56 -6.36 -2.65	50.84 -5.94 -0.22	50.09 -6.92 -0.75	45.85 -7.07 -1.71	41.93 -5.96 -1.69	38.22 -5.50 -1.08	39.70 -4.89 -1.32
OXY_CHEM_DSASP 323612	53.47 -6.67 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.65 -5.54 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.35 -6.54 -3.38	49.41 -7.49 -0.57	47.07 -6.75 -0.64	43.11 -6.93 -0.55	42.78 -7.47 -0.46	42.97 -7.09 -0.50	44.95 -7.87 -0.70	49.34 -8.44 -1.51	52.82 -7.10 -2.66	50.36 -6.50 -0.30	49.51 -7.54 -0.79	45.03 -7.89 -1.71	41.29 -6.61 -1.69	37.71 -6.01 -1.08	39.31 -5.28 -1.33
OZONE_PARK_ESR 323760	88.55 5.27 -27.19	85.99 4.46 -33.59	81.03 4.44 -27.26	80.90 4.22 -30.33	83.90 4.32 -32.09	87.92 5.17 -27.76	114.61 6.12 -49.59	133.47 6.14 -69.91	150.10 6.63 -82.66	142.69 5.89 -82.29	101.70 5.75 -39.63	101.63 5.32 -43.13	95.79 4.95 -41.34	94.80 4.93 -40.07	86.57 4.86 -32.16	94.65 5.16 -37.37	107.73 5.85 -45.61	120.67 6.30 -57.11	116.60 6.17 -53.88	99.97 6.08 -37.63	96.98 5.48 -40.30	80.65 4.85 -29.60	65.23 4.26 -18.32	69.63 3.94 -22.42
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	53.47 -6.67 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.65 -5.54 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.35 -6.54 -3.38	49.41 -7.49 -0.57	47.07 -6.75 -0.64	43.11 -6.93 -0.55	42.78 -7.47 -0.46	42.97 -7.09 -0.50	44.95 -7.87 -0.70	49.34 -8.44 -1.51	52.82 -7.10 -2.66	50.36 -6.50 -0.30	49.51 -7.54 -0.79	45.03 -7.89 -1.71	41.29 -6.61 -1.69	37.71 -6.01 -1.08	39.31 -5.28 -1.33
PACKARD__115KV_DUPONT_184 80571	53.47 -6.67 -4.06	47.53 -5.42 -5.01	47.73 -5.67 -4.07	45.64 -5.24 -4.52	46.86 -5.41 -4.79	54.02 -5.11 -4.14	60.65 -5.54 -7.30	56.53 -6.49 -5.60	57.10 -7.18 -3.47	51.35 -6.54 -3.38	49.41 -7.49 -0.57	47.07 -6.75 -0.64	43.11 -6.93 -0.55	42.78 -7.47 -0.46	42.97 -7.09 -0.50	44.95 -7.87 -0.70	49.34 -8.44 -1.51	52.82 -7.10 -2.66	50.36 -6.50 -0.30	49.51 -7.54 -0.79	45.03 -7.89 -1.71	41.29 -6.61 -1.69	37.71 -6.01 -1.08	39.31 -5.28 -1.33
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	88.11 4.82 -27.20	85.66 4.12 -33.60	80.80 4.19 -27.27	80.68 3.99 -30.34	83.67 4.08 -32.10	87.65 4.89 -27.77	113.63 5.30 -49.44	123.52 5.28 -60.82	113.12 5.72 -46.59	93.30 5.07 -33.71	74.97 5.13 -13.52	69.90 4.79 -11.93	67.59 4.41 -13.69	65.80 4.33 -11.68	66.08 4.26 -12.26	74.53 4.59 -17.82	88.84 5.18 -27.39	121.04 5.55 -58.23	118.13 5.49 -56.08	91.57 5.40 -29.90	86.87 4.86 -30.80	79.62 4.30 -29.12	64.74 3.84 -18.26	69.29 3.59 -22.43
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	88.96 5.67 -27.20	86.38 4.84 -33.60	81.59 4.98 -27.27	81.42 4.73 -30.34	84.38 4.80 -32.10	88.42 5.66 -27.77	114.45 6.12 -49.44	124.38 6.14 -60.82	113.97 6.57 -46.59	93.95 5.72 -33.71	75.65 5.80 -13.52	70.48 5.37 -11.93	68.09 4.90 -13.69	66.40 4.93 -11.68	66.67 4.86 -12.26	75.16 5.21 -17.82	89.51 5.85 -27.39	121.73 6.24 -58.23	118.75 6.11 -56.08	92.19 6.02 -29.90	87.43 5.43 -30.80	80.13 4.81 -29.12	65.25 4.35 -18.26	69.81 4.11 -22.43
PATROON__115KV_TB1 80586	92.55 2.64 -33.82	91.98 2.25 -41.78	85.66 2.42 -33.91	86.36 2.27 -37.73	89.69 2.28 -39.92	92.27 2.75 -34.53	123.31 2.94 -61.47	134.58 2.53 -74.64	118.20 2.80 -54.60	94.46 2.51 -37.44	74.26 2.76 -15.17	68.61 2.55 -12.87	67.16 2.38 -15.29	64.92 2.39 -12.73	65.98 2.43 -13.99	75.41 2.35 -20.94	91.51 2.31 -32.93	116.38 2.23 -56.89	107.89 2.21 -49.13	94.81 2.19 -36.35	90.52 2.05 -37.27	84.36 1.99 -36.17	67.15 1.79 -22.71	73.13 1.95 -27.91
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	54.62 -5.95 -4.48	48.54 -4.94 -5.53	48.65 -5.18 -4.49	46.57 -4.77 -5.00	47.83 -4.94 -5.29	55.00 -4.56 -4.57	62.61 -4.42 -8.13	59.16 -4.71 -6.45	59.51 -5.11 -3.81	53.91 -4.63 -4.03	51.21 -5.69 -0.58	48.38 -5.42 -0.62	44.89 -5.15 -0.54	45.52 -4.73 -0.46	45.30 -4.76 -0.50	48.33 -4.48 -0.69	53.38 -4.45 -1.55	54.38 -5.61 -2.73	51.12 -5.32 0.13	52.82 -4.05 -0.61	49.22 -3.74 -1.76	43.99 -3.97 -1.76	39.80 -3.97 -1.12	39.97 -4.67 -1.38
PAWLING_115_KV_BK3_REV_LBMP_H 345028	88.35 4.82 -27.43	85.91 4.08 -33.89	80.98 4.14 -27.50	80.90 3.94 -30.60	83.81 3.94 -32.38	87.67 4.67 -28.01	114.52 5.77 -49.86	123.81 5.86 -60.54	111.29 6.20 -44.28	90.04 5.18 -30.35	73.75 5.13 -12.30	68.24 4.63 -10.43	66.05 4.16 -12.39	64.25 4.13 -10.32	64.96 4.06 -11.34	73.58 4.48 -16.98	88.14 5.18 -26.69	109.16 5.78 -46.11	102.10 5.71 -39.82	91.24 5.51 -29.47	86.38 4.97 -30.21	79.93 4.39 -29.33	64.64 3.58 -18.41	69.18 3.29 -22.63
PEEKSKILL____ 23653	87.01 4.04 -26.88	84.55 3.40 -33.21	79.74 3.45 -26.95	79.63 3.29 -29.99	82.54 3.32 -31.73	86.45 4.01 -27.44	112.46 4.71 -48.86	122.04 4.76 -59.85	111.31 5.11 -45.39	91.47 4.52 -32.43	73.76 4.40 -13.03	68.62 4.04 -11.40	66.44 3.76 -13.18	64.71 3.74 -11.18	65.03 3.62 -11.86	73.40 3.91 -17.37	87.56 4.44 -26.84	110.00 4.86 -47.87	103.87 4.75 -42.56	90.26 4.67 -29.33	85.57 4.20 -30.16	78.72 3.74 -28.77	64.17 3.28 -18.25	68.63 2.94 -22.42
PGE MADISON__WINDPWR 24146	70.28 5.66 -8.53	63.22 4.75 -10.53	62.67 4.78 -8.55	60.46 4.59 -9.51	62.40 4.85 -10.06	70.24 6.54 -8.70	82.22 7.83 -15.50	84.64 8.15 -19.07	83.23 8.21 -14.22	70.51 6.65 -9.34	68.04 5.75 -5.97	61.57 4.95 -3.44	59.70 4.11 -6.09	58.95 4.08 -5.07	59.14 4.01 -5.57	65.40 4.85 -8.43	75.04 6.30 -12.46	85.98 7.27 -21.45	80.08 6.78 -16.73	75.58 6.36 -12.96	70.63 5.32 -14.10	64.41 4.44 -13.77	54.87 3.67 -8.56	57.38 3.59 -10.52
PIERCEFIELD__HYD 23852	54.58 -1.51 0.00	46.55 -1.39 0.00	48.00 -1.33 0.00	45.06 -1.30 0.00	46.16 -1.33 0.00	52.52 -2.47 0.00	56.06 -2.83 0.00	54.95 -2.47 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.07 -2.25 0.00	51.11 -2.07 0.00	47.67 -1.83 0.00	48.00 -1.79 0.00	47.72 -1.83 0.00	50.35 -1.77 0.00	54.19 -2.08 0.00	54.68 -2.58 0.00	53.96 -2.60 0.00	53.84 -2.42 0.00	49.05 -2.15 0.00	50.80 -2.13 -6.72	47.35 -1.49 -6.21	42.23 -1.04 0.00
PINELAWN_CC_1 323563	109.88 5.89 -47.90	100.68 5.03 -47.71	94.14 5.08 -39.72	90.55 4.78 -39.42	98.50 4.94 -46.07	109.50 5.94 -48.56	115.18 6.89 -49.41	141.31 6.89 -77.00	128.85 7.35 -60.68	112.65 6.48 -51.64	100.55 6.42 -37.80	93.11 5.96 -33.97	79.14 5.54 -24.10	77.24 5.53 -21.92	94.80 5.45 -39.79	100.91 5.89 -42.89	127.86 6.52 -65.06	156.46 7.04 -92.16	157.22 6.90 -93.76	149.57 6.75 -86.56	121.58 6.09 -64.29	107.92 5.45 -56.26	84.17 4.90 -36.63	76.77 4.58 -28.91
PJM_GEN_HTP_PROXY 323702	87.88 4.60 -27.19	85.41 3.88 -33.58	80.49 3.90 -27.25	80.39 3.71 -30.33	83.37 3.80 -32.09	88.79 4.56 -29.23	112.37 5.41 -48.07	130.44 5.46 -67.57	138.03 5.84 -71.38	131.73 5.18 -72.03	94.33 5.01 -32.99	93.06 4.68 -35.19	88.11 4.30 -34.31	86.93 4.28 -32.85	80.86 4.21 -27.10	89.05 4.53 -32.40	102.31 5.07 -40.97	117.88 5.50 -55.12	113.35 5.38 -51.41	97.19 5.29 -35.64	93.82 4.76 -37.85	79.18 4.25 -28.73	65.63 3.75 -19.23	69.33 3.42 -22.64

PJM_GEN_KEystone 24065	72.27 -0.39 -16.56	68.17 -0.24 -20.46	65.65 -0.29 -16.61	64.60 -0.23 -18.48	66.80 -0.24 -19.55	73.60 0.22 -18.39	87.13 0.59 -27.65	92.90 0.46 -35.02	85.06 0.43 -23.82	76.55 0.38 -21.65	64.55 -0.34 -8.56	61.06 -0.43 -8.30	58.18 -0.45 -9.13	57.37 -0.50 -8.07	56.90 -0.54 -7.89	62.59 -0.42 -10.89	67.17 -0.22 -11.12	87.06 0.00 -29.80	79.44 0.06 -22.82	72.91 0.00 -16.65	68.58 -0.05 -17.42	61.54 -0.09 -15.43	53.39 -0.21 -10.96	55.38 -0.43 -12.54
PJM_GEN_NEPTUNE_PROXY 323594	108.99 4.99 -47.90	99.91 4.27 -47.71	93.35 4.29 -39.72	89.85 4.08 -39.42	97.74 4.18 -46.07	110.04 5.00 -50.04	112.60 5.77 -47.93	140.22 5.80 -77.00	125.60 6.21 -58.58	113.77 5.50 -53.75	99.54 5.41 -37.80	92.21 5.06 -33.97	78.25 4.65 -24.10	76.35 4.63 -21.92	93.91 4.56 -39.79	99.92 4.90 -42.89	126.79 5.46 -65.06	155.26 5.84 -92.16	156.09 5.77 -93.76	148.50 5.68 -86.56	120.61 5.12 -64.29	106.30 4.58 -55.52	84.06 4.05 -37.37	75.94 3.76 -28.91
PJM_GEN_VFT_PROXY 323633	87.66 4.38 -27.19	85.27 3.74 -33.59	80.34 3.75 -27.26	80.20 3.52 -30.33	83.23 3.66 -32.09	88.57 4.34 -29.23	98.02 5.18 -33.95	111.45 5.22 -48.81	99.73 5.59 -33.33	99.61 4.96 -40.14	95.00 4.84 -33.83	95.00 4.47 -37.35	95.00 4.16 -41.34	94.00 4.13 -40.07	85.78 4.06 -32.16	93.87 4.38 -37.37	95.56 4.89 -34.40	97.00 5.26 -34.48	97.00 5.20 -35.24	95.00 5.07 -33.67	95.00 4.61 -39.19	79.17 4.11 -28.85	65.51 3.62 -19.25	69.20 3.29 -22.65
PLATSBRG_115KV_PMLD1 355749	55.42 -0.67 0.00	47.32 -0.62 0.00	48.84 -0.49 0.00	45.70 -0.65 0.00	46.63 -0.85 0.00	53.29 -1.70 0.00	56.12 -2.77 0.00	54.95 -2.47 0.00	58.07 -2.74 0.00	52.12 -2.40 0.00	54.19 -2.14 0.00	51.43 -1.76 0.00	48.11 -1.39 0.00	48.60 -1.20 0.00	48.37 -1.19 0.00	50.92 -1.20 0.00	54.53 -1.74 0.00	54.80 -2.46 0.00	53.85 -2.71 0.00	53.45 -2.81 0.00	48.64 -2.56 0.00	0.24 -2.50 43.47	0.31 -2.13 40.20	41.75 -1.51 0.00
PLEASANTVLY___LBMP 24000	88.46 3.65 -28.72	86.54 3.12 -35.48	81.29 3.16 -28.79	81.36 2.97 -32.04	84.42 3.04 -33.90	87.94 3.63 -29.32	115.21 4.12 -52.20	124.93 4.13 -63.37	111.67 4.50 -46.36	90.32 4.03 -31.76	73.14 3.94 -12.87	67.77 3.67 -10.92	65.88 3.42 -12.97	63.99 3.39 -10.80	64.75 3.32 -11.87	73.44 3.54 -17.77	88.21 4.00 -27.94	109.82 4.29 -48.27	102.43 4.19 -41.68	91.21 4.11 -30.85	86.52 3.69 -31.63	80.24 3.33 -30.71	64.94 3.03 -19.27	69.76 2.81 -23.68
PLSNTVLE_13_KV_13.8KVDIST 80602	87.78 4.21 -27.48	85.48 3.60 -33.94	80.54 3.65 -27.55	80.44 3.43 -30.65	83.43 3.51 -32.43	87.23 4.18 -28.05	113.71 4.89 -49.93	122.28 4.94 -59.92	107.84 5.35 -41.68	86.05 4.74 -26.79	71.94 4.62 -11.00	66.31 4.25 -8.87	64.47 3.96 -11.01	62.63 3.93 -8.90	63.78 3.87 -10.36	72.31 4.17 -16.02	86.76 4.67 -25.82	104.90 5.04 -42.60	96.71 4.98 -35.17	90.06 4.89 -28.91	85.12 4.40 -29.51	79.43 3.88 -29.35	64.54 3.45 -18.44	69.09 3.16 -22.66
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	87.78 4.21 -27.48	85.48 3.60 -33.94	80.54 3.65 -27.55	80.44 3.43 -30.65	83.43 3.51 -32.43	87.23 4.18 -28.05	113.71 4.89 -49.93	122.28 4.94 -59.92	107.84 5.35 -41.68	86.05 4.74 -26.79	71.94 4.62 -11.00	66.31 4.25 -8.87	64.47 3.96 -11.01	62.63 3.93 -8.90	63.78 3.87 -10.36	72.31 4.17 -16.02	86.76 4.67 -25.82	104.90 5.04 -42.60	96.71 4.98 -35.17	90.06 4.89 -28.91	85.12 4.40 -29.51	79.43 3.88 -29.35	64.54 3.45 -18.44	69.09 3.16 -22.66
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	88.31 4.60 -27.62	85.94 3.88 -34.11	80.97 3.95 -27.69	80.91 3.75 -30.81	83.93 3.85 -32.60	87.81 4.62 -28.19	114.68 5.59 -50.19	123.82 5.45 -60.94	111.23 5.84 -44.58	89.93 4.85 -30.56	73.44 4.73 -12.38	68.00 4.31 -10.50	65.89 3.91 -12.48	64.02 3.83 -10.39	64.84 3.87 -11.42	73.44 4.22 -17.09	88.10 4.95 -26.88	109.13 5.44 -46.44	102.15 5.49 -40.10	91.17 5.23 -29.67	86.29 4.66 -30.42	79.85 4.11 -29.53	64.38 3.20 -18.54	68.99 2.94 -22.78
POLETTI_____ 23519	87.94 4.66 -27.19	85.51 3.98 -33.59	80.59 4.00 -27.26	80.44 3.75 -30.33	83.47 3.89 -32.09	87.37 4.62 -27.76	114.02 5.54 -49.59	132.83 5.51 -69.90	149.41 5.96 -82.64	142.07 5.29 -82.26	101.01 5.07 -39.62	101.03 4.73 -43.11	95.18 4.36 -41.33	94.19 4.33 -40.06	85.96 4.26 -32.15	94.07 4.59 -37.36	106.99 5.12 -45.60	119.86 5.50 -57.10	115.86 5.43 -53.87	99.24 5.34 -37.63	96.31 4.81 -40.29	80.10 4.30 -29.60	64.72 3.75 -18.32	69.15 3.46 -22.42
POMONA___ESR 323819	86.16 3.82 -26.25	83.63 3.26 -32.43	79.01 3.36 -26.32	78.79 3.15 -29.28	81.70 3.23 -30.98	85.58 3.79 -26.80	111.08 4.47 -47.72	120.28 4.53 -58.33	109.55 4.87 -43.87	89.93 4.36 -31.05	72.94 4.11 -12.50	67.88 3.83 -10.86	65.70 3.57 -12.63	63.96 3.48 -10.68	64.39 3.42 -11.41	72.62 3.70 -16.79	86.49 4.16 -26.05	108.03 4.64 -46.14	101.89 4.58 -40.75	89.24 4.44 -28.54	84.53 4.00 -29.33	77.85 3.56 -28.09	63.54 3.11 -17.78	67.89 2.77 -21.85
PORT_JEFF_3 23555	110.33 6.34 -47.90	100.97 5.32 -47.71	94.44 5.38 -39.72	90.83 5.05 -39.42	98.83 5.27 -46.07	109.71 6.16 -48.56	115.30 7.00 -49.41	141.54 7.12 -77.00	128.97 7.48 -60.68	112.87 6.70 -51.64	101.34 7.21 -37.80	93.91 6.76 -33.97	79.74 6.14 -24.10	77.89 6.17 -21.92	95.59 6.24 -39.79	101.64 6.62 -42.89	128.54 7.20 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	150.03 7.20 -86.56	121.94 6.45 -64.29	108.47 6.00 -56.26	84.81 5.54 -36.63	77.46 5.28 -28.92
PORT_JEFF_4 23616	110.33 6.34 -47.90	100.97 5.32 -47.71	94.44 5.38 -39.72	90.83 5.05 -39.42	98.83 5.27 -46.07	109.71 6.16 -48.56	115.30 7.00 -49.41	141.54 7.12 -77.00	128.97 7.48 -60.68	112.87 6.70 -51.64	101.34 7.21 -37.80	93.91 6.76 -33.97	79.74 6.14 -24.10	77.89 6.17 -21.92	95.59 6.24 -39.79	101.64 6.62 -42.89	128.54 7.20 -65.06	156.86 7.44 -92.16	157.62 7.30 -93.76	150.03 7.20 -86.56	121.94 6.45 -64.29	108.47 6.00 -56.26	84.81 5.54 -36.63	77.46 5.28 -28.92
PORT_JEFF_IC 23713	110.39 6.39 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.87 5.10 -39.42	98.83 5.27 -46.07	109.77 6.21 -48.56	115.36 7.06 -49.41	141.60 7.18 -77.00	129.03 7.54 -60.68	112.92 6.76 -51.64	101.45 7.32 -37.80	93.96 6.81 -33.97	79.84 6.24 -24.10	77.94 6.22 -21.92	95.64 6.29 -39.79	101.74 6.73 -42.89	128.59 7.26 -65.06	156.98 7.56 -92.16	157.73 7.41 -93.76	150.08 7.26 -86.56	122.05 6.56 -64.29	108.52 6.05 -56.26	84.85 5.58 -36.63	77.55 5.36 -28.92
PPL PILGRIM_ST_GT1 24216	110.22 6.23 -47.90	100.97 5.32 -47.71	94.39 5.33 -39.72	90.83 5.05 -39.42	98.78 5.22 -46.07	109.77 6.21 -48.56	115.48 7.18 -49.41	141.54 7.12 -77.00	129.09 7.60 -60.68	112.87 6.70 -51.64	100.95 6.81 -37.80	93.48 6.33 -33.97	79.49 5.89 -24.10	77.59 5.87 -21.92	95.19 5.84 -39.79	101.27 6.25 -42.89	128.20 6.86 -65.06	156.81 7.39 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.20 5.73 -56.26	84.47 5.20 -36.63	77.16 4.97 -28.92
PPL PILGRIM_ST_GT2 24217	110.22 6.23 -47.90	100.97 5.32 -47.71	94.39 5.33 -39.72	90.83 5.05 -39.42	98.78 5.22 -46.07	109.77 6.21 -48.56	115.48 7.18 -49.41	141.54 7.12 -77.00	129.09 7.60 -60.68	112.87 6.70 -51.64	100.95 6.81 -37.80	93.48 6.33 -33.97	79.49 5.89 -24.10	77.59 5.87 -21.92	95.19 5.84 -39.79	101.27 6.25 -42.89	128.20 6.86 -65.06	156.81 7.39 -92.16	157.62 7.30 -93.76	149.91 7.09 -86.56	121.84 6.35 -64.29	108.20 5.73 -56.26	84.47 5.20 -36.63	77.16 4.97 -28.92

PPL_SHRM_GT3 24213	110.33 6.34 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.92 5.14 -39.42	98.88 5.32 -46.07	109.50 5.94 -48.56	114.72 6.42 -49.41	141.02 6.60 -77.00	128.36 6.87 -60.68	112.59 6.43 -51.64	101.91 7.78 -37.80	94.44 7.29 -33.97	80.23 6.64 -24.10	78.34 6.62 -21.92	96.09 6.74 -39.79	102.10 7.09 -42.89	128.54 7.20 -65.06	157.04 7.62 -92.16	157.73 7.41 -93.76	149.63 6.80 -86.56	121.63 6.14 -64.29	108.52 6.05 -56.26	85.24 5.97 -36.63	78.02 5.84 -28.92
PPL_SHRM_GT4 24214	110.33 6.34 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.92 5.14 -39.42	98.88 5.32 -46.07	109.50 5.94 -48.56	114.72 6.42 -49.41	141.02 6.60 -77.00	128.36 6.87 -60.68	112.59 6.43 -51.64	101.91 7.78 -37.80	94.44 7.29 -33.97	80.23 6.64 -24.10	78.34 6.62 -21.92	96.09 6.74 -39.79	102.10 7.09 -42.89	128.54 7.20 -65.06	157.04 7.62 -92.16	157.73 7.41 -93.76	149.63 6.80 -86.56	121.63 6.14 -64.29	108.52 6.05 -56.26	85.24 5.97 -36.63	78.02 5.84 -28.92
PROJECT___ORANGE 1 24174	57.55 -1.01 -2.47	50.18 -0.82 -3.05	50.97 -0.84 -2.47	48.32 -0.79 -2.75	49.59 -0.81 -2.91	56.96 -0.55 -2.52	63.08 -0.29 -4.49	62.58 -0.29 -5.45	64.43 -0.36 -3.98	56.81 -0.44 -2.73	56.70 -0.73 -1.11	53.27 -0.85 -0.94	49.72 -0.89 -1.11	49.78 -0.95 -0.93	49.73 -0.84 -1.02	52.71 -0.94 -1.53	57.81 -0.84 -2.39	60.98 -0.40 -4.12	59.67 -0.45 -3.56	58.11 -0.79 -2.63	53.09 -0.82 -2.70	48.10 -0.74 -2.64	43.44 -0.85 -1.65	44.56 -0.74 -2.03
PROJECT___ORANGE 2 24166	57.55 -1.01 -2.47	50.18 -0.82 -3.05	50.97 -0.84 -2.47	48.32 -0.79 -2.75	49.59 -0.81 -2.91	56.96 -0.55 -2.52	63.08 -0.29 -4.49	62.58 -0.29 -5.45	64.43 -0.36 -3.98	56.81 -0.44 -2.73	56.70 -0.73 -1.11	53.27 -0.85 -0.94	49.72 -0.89 -1.11	49.78 -0.95 -0.93	49.73 -0.84 -1.02	52.71 -0.94 -1.53	57.81 -0.84 -2.39	60.98 -0.40 -4.12	59.67 -0.45 -3.56	58.11 -0.79 -2.63	53.09 -0.82 -2.70	48.10 -0.74 -2.64	43.44 -0.85 -1.65	44.56 -0.74 -2.03
PUCKETT___SOLAR 323809	66.60 1.40 -9.10	60.38 1.20 -11.24	59.69 1.23 -9.12	57.67 1.16 -10.15	59.46 1.23 -10.74	66.32 2.04 -9.29	78.08 2.65 -16.54	80.02 2.70 -19.90	78.02 2.61 -14.60	66.48 2.02 -9.95	62.30 1.63 -4.34	58.05 1.27 -3.59	54.87 0.99 -4.38	54.44 1.00 -3.65	54.61 1.04 -4.01	59.54 1.41 -6.01	67.79 2.08 -9.43	76.06 2.52 -16.29	72.76 2.43 -13.77	68.80 2.25 -10.28	63.78 1.90 -10.68	58.02 1.52 -10.30	50.30 1.15 -6.51	52.35 1.08 -8.00
PYRITES___HYD 24023	55.64 -0.45 0.00	47.46 -0.48 0.00	48.99 -0.35 0.00	45.98 -0.37 0.00	47.11 -0.38 0.00	53.73 -1.26 0.00	57.54 -1.35 0.00	56.56 -0.86 0.00	59.77 -1.03 0.00	53.65 -0.87 0.00	55.65 -0.68 0.00	52.55 -0.64 0.00	48.95 -0.54 0.00	49.30 -0.50 0.00	48.91 -0.64 0.00	51.71 -0.42 0.00	55.71 -0.56 0.00	56.17 -1.09 0.00	55.37 -1.19 0.00	55.31 -0.96 0.00	50.33 -0.87 0.00	51.23 -0.97 -5.99	47.58 -0.60 -5.54	43.01 -0.26 0.00
QUAKERRD_115KV_BK1 80622	55.85 -3.42 -3.18	49.00 -2.88 -3.93	49.52 -3.01 -3.19	47.12 -2.78 -3.55	48.39 -2.85 -3.75	55.71 -2.53 -3.25	62.37 -2.30 -5.78	61.96 -2.58 -7.13	63.02 -2.98 -5.19	55.33 -2.78 -3.59	53.52 -3.49 -0.69	50.73 -3.67 -1.21	46.70 -3.46 -0.66	46.52 -3.83 -0.56	46.65 -3.52 -0.61	48.99 -4.01 -0.88	53.75 -4.16 -1.64	56.98 -3.15 -2.87	56.60 -3.28 -3.32	54.18 -4.28 -2.19	48.97 -4.10 -1.86	44.59 -3.42 -1.80	40.55 -3.24 -1.15	41.95 -2.73 -1.41
QUENSBRY_115KV_TB8 356137	94.58 3.87 -34.62	94.07 3.36 -42.77	87.45 3.40 -34.71	88.22 3.24 -38.62	91.77 3.42 -40.86	94.63 4.29 -35.34	126.82 5.01 -62.92	138.81 5.00 -76.40	122.11 5.41 -55.89	97.37 4.53 -38.32	76.25 4.39 -15.53	70.45 4.10 -13.17	68.86 3.71 -15.65	66.51 3.68 -13.03	67.60 3.72 -14.32	77.73 4.17 -21.44	94.59 4.61 -33.71	120.41 4.92 -58.23	111.77 4.92 -50.29	98.14 4.67 -37.21	93.40 4.05 -38.15	86.69 3.47 -37.02	68.96 3.07 -23.25	74.69 2.86 -28.57
RAMAPO___LBMP 323565	85.91 3.65 -26.18	83.39 3.12 -32.33	78.74 3.16 -26.24	78.57 3.01 -29.20	81.47 3.09 -30.89	85.35 3.63 -26.72	110.77 4.30 -47.58	119.93 4.36 -58.15	109.19 4.68 -43.70	89.62 4.20 -30.90	72.77 4.00 -12.44	67.66 3.67 -10.80	65.49 3.42 -12.57	63.80 3.39 -10.62	64.19 3.27 -11.36	72.40 3.54 -16.73	86.23 4.00 -25.96	107.67 4.47 -45.94	101.47 4.36 -40.56	88.98 4.28 -28.45	84.28 3.84 -29.23	77.63 3.42 -28.01	63.20 2.98 -17.57	67.54 2.68 -21.59
RANKINE____ 23646	55.15 -5.33 -4.39	48.95 -4.41 -5.42	49.10 -4.64 -4.40	46.99 -4.26 -4.90	48.25 -4.42 -5.18	55.57 -3.90 -4.48	63.03 -3.83 -7.97	59.06 -4.36 -6.00	59.32 -4.86 -3.38	53.95 -4.47 -3.90	51.35 -5.52 -0.54	48.20 -5.48 -0.49	44.91 -5.10 -0.51	45.00 -5.23 -0.43	44.97 -5.05 -0.47	47.45 -5.32 -0.64	52.13 -5.63 -1.49	54.50 -5.38 -2.62	50.62 -5.32 0.63	51.17 -5.46 -0.36	47.77 -5.12 -1.69	43.31 -4.57 -1.68	39.33 -4.39 -1.08	40.30 -4.28 -1.32
RAVENSWOOD_GT2_1 24244	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	107.06 5.13 -45.61	108.19 4.73 -50.27	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.56 4.59 -41.85	111.23 5.18 -49.78	121.71 5.55 -58.90	118.14 5.49 -56.09	101.09 5.40 -39.43	98.51 4.81 -42.50	80.21 4.30 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42
RAVENSWOOD_GT2_2 24245	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	107.06 5.13 -45.61	108.19 4.73 -50.27	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.56 4.59 -41.85	111.23 5.18 -49.78	121.71 5.55 -58.90	118.14 5.49 -56.09	101.09 5.40 -39.43	98.51 4.81 -42.50	80.21 4.30 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42
RAVENSWOOD_GT2_3 24246	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	107.06 5.13 -45.61	108.24 4.79 -50.27	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.61 4.64 -41.85	111.23 5.18 -49.78	121.77 5.61 -58.90	118.14 5.49 -56.09	101.09 5.40 -39.43	98.56 4.86 -42.50	80.26 4.34 -29.71	64.78 3.80 -18.34	69.24 3.55 -22.42
RAVENSWOOD_GT2_4 24247	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	107.06 5.13 -45.61	108.24 4.79 -50.27	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.61 4.64 -41.85	111.23 5.18 -49.78	121.77 5.61 -58.90	118.14 5.49 -56.09	101.09 5.40 -39.43	98.56 4.86 -42.50	80.26 4.34 -29.71	64.78 3.80 -18.34	69.24 3.55 -22.42
RAVENSWOOD_GT3_1 24248	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	107.06 5.13 -45.61	108.19 4.73 -50.27	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.61 4.64 -41.85	111.23 5.18 -49.78	121.77 5.61 -58.90	118.14 5.49 -56.09	101.09 5.40 -39.43	98.56 4.86 -42.50	80.26 4.34 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42

RAVENSWOOD_GT3_2 24249	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	107.06 5.13 -45.61	108.19 4.73 -50.27	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.61 4.64 -41.85	111.23 5.18 -49.78	121.77 5.61 -58.90	118.14 5.49 -56.09	101.09 5.40 -39.43	98.56 4.86 -42.50	80.26 4.34 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42
RAVENSWOOD_GT3_3 24250	88.11 4.82 -27.19	85.61 4.08 -33.59	80.69 4.09 -27.26	80.58 3.89 -30.33	83.57 3.99 -32.09	87.54 4.78 -27.76	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	107.17 5.24 -45.61	108.29 4.84 -50.27	101.68 4.50 -47.67	100.85 4.48 -46.58	90.68 4.41 -36.72	98.66 4.69 -41.85	111.35 5.29 -49.78	121.83 5.67 -58.90	118.25 5.60 -56.09	101.20 5.51 -39.43	98.62 4.92 -42.50	80.31 4.39 -29.71	64.86 3.88 -18.34	69.28 3.59 -22.42
RAVENSWOOD_GT3_4 24251	88.11 4.82 -27.19	85.61 4.08 -33.59	80.69 4.09 -27.26	80.58 3.89 -30.33	83.57 3.99 -32.09	87.54 4.78 -27.76	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	107.17 5.24 -45.61	108.29 4.84 -50.27	101.68 4.50 -47.67	100.85 4.48 -46.58	90.68 4.41 -36.72	98.66 4.69 -41.85	111.35 5.29 -49.78	121.83 5.67 -58.90	118.25 5.60 -56.09	101.20 5.51 -39.43	98.62 4.92 -42.50	80.31 4.39 -29.71	64.86 3.88 -18.34	69.28 3.59 -22.42
RAVENSWOOD_GT_1 23729	88.34 5.05 -27.20	85.81 4.27 -33.60	80.90 4.29 -27.27	80.77 4.08 -30.34	83.77 4.18 -32.10	87.77 5.00 -27.77	114.18 5.65 -49.63	135.12 5.68 -72.01	157.87 6.14 -90.92	153.38 5.45 -93.41	111.63 5.46 -49.83	111.41 5.05 -53.17	101.83 4.65 -47.67	101.00 4.63 -46.58	90.83 4.56 -36.72	98.87 4.90 -41.85	115.12 5.51 -53.33	122.87 5.90 -59.72	146.17 5.83 -83.78	119.94 5.74 -57.94	113.39 5.12 -57.06	80.49 4.57 -29.71	65.03 4.05 -18.34	69.47 3.76 -22.43
RAVENSWOOD_GT_10 24258	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	106.69 5.13 -45.23	107.93 4.73 -50.01	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.56 4.59 -41.85	110.92 5.18 -49.47	121.71 5.55 -58.90	116.99 5.49 -54.95	99.46 5.34 -37.85	97.29 4.81 -41.27	80.21 4.30 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42
RAVENSWOOD_GT_11 24259	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	106.69 5.13 -45.23	107.93 4.73 -50.01	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.56 4.59 -41.85	110.92 5.18 -49.47	121.71 5.55 -58.90	116.99 5.49 -54.95	99.46 5.34 -37.85	97.29 4.81 -41.27	80.21 4.30 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42
RAVENSWOOD_GT_4 24252	87.93 4.66 -27.19	85.51 3.98 -33.58	80.59 4.00 -27.25	80.43 3.75 -30.33	83.47 3.89 -32.09	87.37 4.62 -27.75	114.00 5.48 -49.63	134.89 5.45 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	104.54 5.07 -43.14	106.44 4.68 -48.57	101.53 4.36 -47.67	100.70 4.33 -46.58	90.53 4.26 -36.72	98.56 4.59 -41.85	109.12 5.12 -47.73	122.34 5.55 -59.52	121.68 5.43 -59.69	91.13 5.34 -29.52	90.87 4.76 -34.91	80.21 4.30 -29.71	64.73 3.75 -18.34	69.15 3.46 -22.42
RAVENSWOOD_GT_5 24254	87.93 4.66 -27.19	85.51 3.98 -33.58	80.59 4.00 -27.25	80.43 3.75 -30.33	83.47 3.89 -32.09	87.37 4.62 -27.75	114.00 5.48 -49.63	134.89 5.45 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	104.54 5.07 -43.14	106.44 4.68 -48.57	101.53 4.36 -47.67	100.70 4.33 -46.58	90.53 4.26 -36.72	98.56 4.59 -41.85	109.12 5.12 -47.73	122.34 5.55 -59.52	121.68 5.43 -59.69	91.13 5.34 -29.52	90.87 4.76 -34.91	80.21 4.30 -29.71	64.73 3.75 -18.34	69.15 3.46 -22.42
RAVENSWOOD_GT_6 24253	87.93 4.66 -27.19	85.51 3.98 -33.58	80.59 4.00 -27.25	80.43 3.75 -30.33	83.47 3.89 -32.09	87.37 4.62 -27.75	114.00 5.48 -49.63	134.89 5.45 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	104.54 5.07 -43.14	106.44 4.68 -48.57	101.53 4.36 -47.67	100.70 4.33 -46.58	90.53 4.26 -36.72	98.56 4.59 -41.85	109.12 5.12 -47.73	122.34 5.55 -59.52	121.68 5.43 -59.69	91.13 5.34 -29.52	90.87 4.76 -34.91	80.21 4.30 -29.71	64.73 3.75 -18.34	69.15 3.46 -22.42
RAVENSWOOD_GT_7 24255	87.93 4.66 -27.19	85.51 3.98 -33.58	80.59 4.00 -27.25	80.43 3.75 -30.33	83.47 3.89 -32.09	87.37 4.62 -27.75	114.00 5.48 -49.63	134.89 5.45 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	104.54 5.07 -43.14	106.44 4.68 -48.57	101.53 4.36 -47.67	100.70 4.33 -46.58	90.53 4.26 -36.72	98.56 4.59 -41.85	109.12 5.12 -47.73	122.34 5.55 -59.52	121.68 5.43 -59.69	91.13 5.34 -29.52	90.87 4.76 -34.91	80.21 4.30 -29.71	64.73 3.75 -18.34	69.15 3.46 -22.42
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	106.69 5.13 -45.23	107.93 4.73 -50.01	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.56 4.59 -41.85	110.92 5.18 -49.47	121.71 5.55 -58.90	116.99 5.49 -54.95	99.46 5.34 -37.85	97.29 4.81 -41.27	80.21 4.30 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42
RAVENSWOOD_GT_9 24257	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.43 4.67 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	106.69 5.13 -45.23	107.93 4.73 -50.01	101.58 4.41 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.56 4.59 -41.85	110.92 5.18 -49.47	121.71 5.55 -58.90	116.99 5.49 -54.95	99.46 5.34 -37.85	97.29 4.81 -41.27	80.21 4.30 -29.71	64.78 3.80 -18.34	69.20 3.50 -22.42
RAVENSWOOD___1 23533	88.28 4.99 -27.20	85.80 4.27 -33.60	80.89 4.29 -27.27	80.72 4.03 -30.34	83.77 4.18 -32.10	87.76 5.00 -27.77	114.12 5.60 -49.63	135.06 5.63 -72.01	157.81 6.08 -90.92	153.33 5.40 -93.41	111.06 5.41 -49.32	111.00 5.00 -52.82	101.82 4.65 -47.67	101.00 4.63 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.62 5.46 -52.89	122.00 5.84 -58.90	129.84 5.77 -67.51	117.04 5.68 -55.10	111.02 5.12 -54.69	80.45 4.53 -29.71	65.21 4.05 -18.52	69.68 3.76 -22.66
RAVENSWOOD___2 23534	88.28 4.99 -27.20	85.80 4.27 -33.60	80.89 4.29 -27.27	80.72 4.03 -30.34	83.77 4.18 -32.10	87.71 4.95 -27.77	114.12 5.60 -49.63	135.06 5.63 -72.01	157.75 6.02 -90.92	153.27 5.35 -93.41	111.04 5.41 -49.31	110.99 5.00 -52.81	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.61 5.46 -52.88	122.00 5.84 -58.90	129.80 5.77 -67.46	116.98 5.68 -55.04	110.97 5.12 -54.65	80.45 4.53 -29.71	65.21 4.05 -18.52	69.64 3.72 -22.66
RAVENSWOOD___3 23535	87.99 4.71 -27.19	85.56 4.03 -33.59	80.64 4.05 -27.26	80.49 3.80 -30.33	83.52 3.94 -32.09	87.48 4.73 -27.76	114.00 5.48 -49.63	134.94 5.51 -72.01	157.63 5.90 -90.92	153.16 5.23 -93.41	107.06 5.13 -45.61	108.19 4.73 -50.27	101.58 4.40 -47.67	100.75 4.38 -46.58	90.58 4.31 -36.72	98.61 4.64 -41.85	111.23 5.17 -49.78	121.71 5.55 -58.90	118.14 5.48 -56.09	101.09 5.40 -39.43	98.57 4.87 -42.50	80.26 4.34 -29.71	65.00 3.84 -18.52	69.46 3.55 -22.65

RAVENSWOOD___4 23820	88.28 4.99 -27.20	85.80 4.27 -33.60	80.85 4.24 -27.27	80.72 4.03 -30.34	83.72 4.13 -32.10	87.71 4.95 -27.77	114.12 5.60 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.35 -93.41	110.49 5.35 -48.80	110.65 5.00 -52.47	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.12 5.40 -52.44	121.19 5.84 -58.09	113.77 5.77 -51.44	114.12 5.63 -52.23	108.63 5.12 -52.31	80.40 4.48 -29.71	65.17 4.01 -18.52	69.64 3.72 -22.65
RCPI_TRUST___DRP 24196	87.93 4.66 -27.19	85.51 3.98 -33.58	80.59 4.00 -27.25	80.43 3.75 -30.33	83.47 3.89 -32.09	87.37 4.62 -27.75	113.97 5.54 -49.54	130.55 5.57 -67.57	140.25 5.96 -73.48	129.74 5.29 -69.93	94.50 5.18 -32.99	93.16 4.79 -35.19	88.26 4.45 -34.31	87.08 4.43 -32.85	81.01 4.36 -27.10	89.16 4.64 -32.40	102.48 5.23 -40.97	117.99 5.61 -55.12	113.46 5.49 -51.41	97.31 5.40 -35.64	93.92 4.86 -37.85	80.02 4.34 -29.47	64.74 3.80 -18.30	69.15 3.46 -22.42
RED___ROCHESTER 323720	56.90 -2.47 -3.27	49.98 -2.01 -4.04	50.45 -2.17 -3.28	48.06 -1.95 -3.65	49.36 -1.99 -3.86	56.96 -1.37 -3.34	63.72 -1.12 -5.95	62.89 -1.55 -7.02	63.81 -1.95 -4.95	56.45 -1.75 -3.68	54.26 -2.70 -0.64	51.31 -2.98 -1.10	47.34 -2.77 -0.61	47.27 -3.04 -0.51	47.29 -2.82 -0.56	49.49 -3.44 -0.81	54.48 -3.37 -1.59	58.02 -2.01 -2.77	57.69 -2.21 -3.34	54.89 -3.54 -2.17	49.83 -3.17 -1.80	45.22 -2.73 -1.74	41.84 -1.92 -1.12	42.78 -1.86 -1.37
REGAN___SOLAR 323812	100.23 6.11 -38.02	100.28 5.37 -46.96	92.88 5.43 -38.11	93.82 5.05 -42.41	97.63 5.27 -44.87	100.68 6.87 -38.81	136.17 8.18 -69.10	149.24 7.93 -83.90	130.27 8.09 -61.37	103.14 6.54 -42.08	79.46 6.09 -17.05	73.18 5.53 -14.47	71.73 5.05 -17.18	69.04 4.93 -14.31	70.29 5.00 -15.73	81.81 6.15 -23.54	100.49 7.20 -37.01	129.10 7.90 -63.94	119.64 7.86 -55.22	104.61 7.48 -40.86	99.65 6.56 -41.89	92.45 5.59 -40.65	73.02 4.86 -25.52	78.99 4.37 -31.36
RENSSELAER___COGEN 23796	91.89 2.30 -33.50	91.34 2.01 -41.38	85.09 2.17 -33.58	85.71 1.99 -37.37	89.02 1.99 -39.54	91.61 2.42 -34.20	122.30 2.53 -60.88	133.47 2.13 -73.92	117.25 2.37 -54.07	93.78 2.18 -37.08	73.72 2.37 -15.02	68.16 2.23 -12.75	66.72 2.08 -15.14	64.50 2.09 -12.61	65.50 2.08 -13.86	74.85 1.98 -20.74	90.85 1.97 -32.61	115.43 1.83 -56.34	107.02 1.81 -48.65	94.06 1.80 -36.00	89.86 1.74 -36.91	83.73 1.71 -35.82	66.70 1.58 -22.48	72.67 1.77 -27.62
REPUBLIC_115KV_BARTNBRK 55605	96.64 5.95 -34.60	95.77 5.08 -42.74	89.20 5.18 -34.69	89.91 4.96 -38.60	93.60 5.27 -40.84	96.97 6.65 -35.32	129.61 7.83 -62.89	141.58 7.81 -76.35	125.11 8.45 -55.85	99.85 7.03 -38.30	78.61 6.76 -15.52	72.63 6.28 -13.17	70.78 5.64 -15.64	68.45 5.63 -13.03	69.52 5.65 -14.31	79.91 6.36 -21.43	96.99 7.03 -33.69	122.96 7.50 -58.20	114.40 7.58 -50.26	100.60 7.15 -37.19	95.48 6.14 -38.13	88.47 5.27 -37.00	70.53 4.65 -23.24	76.15 4.33 -28.55
REVERE_CPPR_DRP 24186	60.05 2.52 -1.43	51.82 2.11 -1.77	52.90 2.12 -1.44	49.95 1.99 -1.60	51.32 2.14 -1.69	59.32 2.86 -1.46	64.85 3.36 -2.61	64.09 3.50 -3.17	66.71 3.59 -2.32	59.10 3.00 -1.59	59.56 2.59 -0.64	55.91 2.18 -0.55	52.03 1.88 -0.65	52.18 1.84 -0.54	51.98 1.83 -0.59	55.20 2.19 -0.89	60.42 2.76 -1.39	62.81 3.15 -2.40	61.51 2.88 -2.07	60.49 2.70 -1.53	54.98 2.20 -1.57	49.59 1.85 -1.53	45.10 1.49 -0.96	46.09 1.64 -1.18
REYNOLDS_115KV_TB3 80639	92.23 2.58 -33.56	91.60 2.21 -41.45	85.30 2.32 -33.64	85.96 2.18 -37.43	89.28 2.18 -39.61	91.89 2.64 -34.26	122.59 2.71 -60.99	133.88 2.41 -74.05	117.71 2.74 -54.17	94.17 2.51 -37.14	74.03 2.65 -15.05	68.45 2.50 -12.77	66.99 2.33 -15.17	64.77 2.34 -12.63	65.82 2.38 -13.88	75.25 2.35 -20.78	91.31 2.36 -32.67	116.05 2.35 -56.44	107.56 2.26 -48.74	94.58 2.25 -36.07	90.28 2.10 -36.98	84.07 1.99 -35.88	67.01 1.83 -22.54	72.91 1.95 -27.69
RIVERBAY____ 323610	88.96 5.67 -27.20	86.38 4.84 -33.60	81.59 4.98 -27.27	81.42 4.73 -30.34	84.38 4.80 -32.10	88.42 5.66 -27.77	114.45 6.12 -49.44	124.38 6.14 -60.82	113.97 6.57 -46.59	93.95 5.72 -33.71	75.65 5.80 -13.52	70.48 5.37 -11.93	68.09 4.90 -13.69	66.40 4.93 -11.68	66.67 4.86 -12.26	75.16 5.21 -17.82	89.51 5.85 -27.39	121.73 6.24 -58.23	118.75 6.11 -56.08	92.19 6.02 -29.90	87.43 5.43 -30.80	80.13 4.81 -29.12	65.25 4.35 -18.26	69.81 4.11 -22.43
RIVERSDE_115KV_TB3 55908	92.25 2.52 -33.63	91.65 2.16 -41.54	85.37 2.32 -33.72	86.05 2.18 -37.52	89.37 2.18 -39.69	91.97 2.64 -34.33	122.78 2.77 -61.13	133.99 2.35 -74.22	117.77 2.68 -54.29	94.20 2.45 -37.23	74.00 2.59 -15.08	68.43 2.45 -12.80	66.98 2.28 -15.20	64.80 2.34 -12.66	65.80 2.33 -13.91	75.19 2.24 -20.83	91.27 2.25 -32.74	116.00 2.18 -56.57	107.56 2.15 -48.85	94.55 2.14 -36.15	90.26 2.00 -37.06	84.11 1.94 -35.96	66.98 1.75 -22.59	72.92 1.90 -27.75
ROARING___BROOK_WT_PWR 323790	55.31 -0.79 0.00	47.17 -0.77 0.00	48.50 -0.84 0.00	45.57 -0.79 0.00	46.63 -0.85 0.00	53.84 -1.16 0.00	57.59 -1.30 0.00	56.21 -1.21 0.00	59.59 -1.22 0.00	53.48 -1.04 0.00	55.48 -0.84 0.00	52.44 -0.74 0.00	48.81 -0.69 0.00	49.15 -0.65 0.00	48.86 -0.69 0.00	51.34 -0.78 0.00	55.20 -1.07 0.00	55.95 -1.31 0.00	55.15 -1.41 0.00	54.97 -1.29 0.00	50.03 -1.18 0.00	45.14 -1.06 0.00	41.70 -0.94 0.00	42.40 -0.87 0.00
ROCHESRG_115KV_T4 355643	56.37 -2.97 -3.25	49.46 -2.49 -4.01	49.98 -2.61 -3.26	47.61 -2.36 -3.62	48.90 -2.42 -3.83	56.39 -1.92 -3.32	63.03 -1.77 -5.90	62.13 -2.24 -6.95	62.99 -2.68 -4.86	55.75 -2.45 -3.68	53.65 -3.32 -0.64	50.69 -3.56 -1.07	46.80 -3.32 -0.62	46.58 -3.73 -0.52	46.70 -3.42 -0.57	48.97 -3.96 -0.81	53.84 -4.00 -1.56	57.24 -2.75 -2.73	56.31 -2.88 -2.63	54.00 -4.11 -1.85	49.03 -3.94 -1.77	44.73 -3.19 -1.71	40.75 -2.98 -1.09	42.23 -2.38 -1.34
ROCHESTER_9_IC 23652	56.67 -2.69 -3.27	49.73 -2.25 -4.04	50.25 -2.37 -3.28	47.87 -2.13 -3.65	49.17 -2.18 -3.86	56.74 -1.59 -3.34	63.49 -1.35 -5.95	62.54 -1.89 -7.02	63.44 -2.31 -4.95	56.07 -2.13 -3.68	53.98 -2.99 -0.64	51.04 -3.24 -1.10	47.04 -3.07 -0.61	46.82 -3.49 -0.51	47.00 -3.12 -0.56	49.23 -3.70 -0.81	54.17 -3.66 -1.56	57.57 -2.40 -2.72	56.76 -2.55 -2.74	54.38 -3.77 -1.89	49.33 -3.64 -1.76	44.95 -2.96 -1.71	40.96 -2.77 -1.09	42.48 -2.12 -1.34
ROCKVIEW_13_KV_LD 356306	87.83 4.54 -27.19	85.37 3.84 -33.59	80.49 3.90 -27.26	80.35 3.66 -30.33	83.33 3.75 -32.09	87.26 4.51 -27.76	113.61 5.30 -49.42	123.82 5.40 -61.01	113.88 5.78 -47.29	94.29 5.12 -34.64	73.53 5.01 -12.19	68.15 4.63 -10.34	66.09 4.31 -12.28	64.31 4.28 -10.23	65.01 4.21 -11.24	73.48 4.53 -16.83	87.79 5.06 -26.46	121.14 5.50 -58.39	118.21 5.37 -56.28	91.61 5.29 -30.06	86.96 4.76 -30.99	79.53 4.20 -29.12	64.60 3.71 -18.25	69.07 3.37 -22.43
ROME_____115KV_TB2 80656	60.05 2.52 -1.43	51.82 2.11 -1.77	52.90 2.12 -1.44	49.95 1.99 -1.60	51.32 2.14 -1.69	59.32 2.86 -1.46	64.85 3.36 -2.61	64.09 3.50 -3.17	66.71 3.59 -2.32	59.10 3.00 -1.59	59.56 2.59 -0.64	55.91 2.18 -0.55	52.03 1.88 -0.65	52.18 1.84 -0.54	51.98 1.83 -0.59	55.20 2.19 -0.89	60.42 2.76 -1.39	62.81 3.15 -2.40	61.51 2.88 -2.07	60.49 2.70 -1.53	54.98 2.20 -1.57	49.59 1.85 -1.53	45.10 1.49 -0.96	46.09 1.64 -1.18

ROSETON___1 23587	87.03	84.81	79.86	79.84	82.77	86.54	112.75	121.96	109.47	88.80	72.44	67.17	65.14	63.39	64.10	72.52	86.81	107.55	100.46	89.74	85.01	78.78	64.01	68.59
	3.54	3.02	3.06	2.92	2.95	3.57	4.06	4.08	4.44	3.98	3.83	3.56	3.27	3.29	3.22	3.44	3.88	4.24	4.13	4.05	3.64	3.28	2.94	2.68
	-27.40	-33.84	-27.47	-30.56	-32.34	-27.97	-49.80	-60.46	-44.23	-30.31	-12.28	-10.42	-12.37	-10.31	-11.33	-16.95	-26.66	-46.05	-39.77	-29.43	-30.17	-29.30	-18.42	-22.64
ROSETON___2 23588	87.03	84.81	79.86	79.84	82.77	86.54	112.75	121.96	109.47	88.80	72.44	67.17	65.14	63.39	64.10	72.52	86.81	107.55	100.46	89.74	85.01	78.78	64.01	68.59
	3.54	3.02	3.06	2.92	2.95	3.57	4.06	4.08	4.44	3.98	3.83	3.56	3.27	3.29	3.22	3.44	3.88	4.24	4.13	4.05	3.64	3.28	2.94	2.68
	-27.40	-33.84	-27.47	-30.56	-32.34	-27.97	-49.80	-60.46	-44.23	-30.31	-12.28	-10.42	-12.37	-10.31	-11.33	-16.95	-26.66	-46.05	-39.77	-29.43	-30.17	-29.30	-18.42	-22.64
ROTTTRDAM_115KV_TB3 80664	93.36	93.10	86.41	87.26	90.70	93.11	125.15	137.22	120.17	95.73	74.43	68.78	67.38	65.05	66.10	76.07	92.84	118.81	110.06	96.43	91.99	85.63	67.91	73.85
	2.30	1.97	2.02	1.90	1.95	2.42	2.71	2.64	2.92	2.51	2.42	2.29	2.08	2.09	2.08	2.29	2.53	2.75	2.71	2.59	2.25	2.03	1.79	1.73
	-34.97	-43.19	-35.05	-39.01	-41.27	-35.70	-63.55	-77.16	-56.44	-38.70	-15.68	-13.30	-15.80	-13.16	-14.47	-21.65	-34.04	-58.81	-50.78	-37.58	-38.53	-37.39	-23.48	-28.85
RUSSELL___1 23602	56.90	49.93	50.45	48.06	49.36	56.96	63.78	62.89	63.81	56.40	54.26	51.31	47.29	47.07	47.19	49.49	54.45	57.92	57.10	54.72	49.64	45.18	41.13	42.66
	-2.47	-2.06	-2.17	-1.95	-1.99	-1.37	-1.06	-1.55	-1.95	-1.80	-2.70	-2.98	-2.82	-3.24	-2.92	-3.44	-3.38	-2.06	-2.21	-3.43	-3.33	-2.73	-2.60	-1.95
	-3.27	-4.04	-3.28	-3.65	-3.86	-3.34	-5.95	-7.02	-4.95	-3.68	-0.64	-1.10	-0.61	-0.51	-0.56	-0.81	-1.56	-2.72	-2.74	-1.89	-1.76	-1.71	-1.09	-1.34
RUSSELL___2 23532	56.90	49.93	50.45	48.06	49.36	56.96	63.78	62.89	63.81	56.40	54.26	51.31	47.29	47.07	47.19	49.49	54.45	57.92	57.10	54.72	49.64	45.18	41.13	42.66
	-2.47	-2.06	-2.17	-1.95	-1.99	-1.37	-1.06	-1.55	-1.95	-1.80	-2.70	-2.98	-2.82	-3.24	-2.92	-3.44	-3.38	-2.06	-2.21	-3.43	-3.33	-2.73	-2.60	-1.95
	-3.27	-4.04	-3.28	-3.65	-3.86	-3.34	-5.95	-7.02	-4.95	-3.68	-0.64	-1.10	-0.61	-0.51	-0.56	-0.81	-1.56	-2.72	-2.74	-1.89	-1.76	-1.71	-1.09	-1.34
RUSSELL___3 23549	56.90	49.93	50.45	48.06	49.36	56.96	63.78	62.89	63.81	56.40	54.26	51.31	47.29	47.07	47.19	49.49	54.45	57.92	57.10	54.72	49.64	45.18	41.13	42.66
	-2.47	-2.06	-2.17	-1.95	-1.99	-1.37	-1.06	-1.55	-1.95	-1.80	-2.70	-2.98	-2.82	-3.24	-2.92	-3.44	-3.38	-2.06	-2.21	-3.43	-3.33	-2.73	-2.60	-1.95
	-3.27	-4.04	-3.28	-3.65	-3.86	-3.34	-5.95	-7.02	-4.95	-3.68	-0.64	-1.10	-0.61	-0.51	-0.56	-0.81	-1.56	-2.72	-2.74	-1.89	-1.76	-1.71	-1.09	-1.34
RUSSELL___4 23556	56.90	49.93	50.45	48.06	49.36	56.96	63.78	62.89	63.81	56.40	54.26	51.31	47.29	47.07	47.19	49.49	54.45	57.92	57.10	54.72	49.64	45.18	41.13	42.66
	-2.47	-2.06	-2.17	-1.95	-1.99	-1.37	-1.06	-1.55	-1.95	-1.80	-2.70	-2.98	-2.82	-3.24	-2.92	-3.44	-3.38	-2.06	-2.21	-3.43	-3.33	-2.73	-2.60	-1.95
	-3.27	-4.04	-3.28	-3.65	-3.86	-3.34	-5.95	-7.02	-4.95	-3.68	-0.64	-1.10	-0.61	-0.51	-0.56	-0.81	-1.56	-2.72	-2.74	-1.89	-1.76	-1.71	-1.09	-1.34
RUSSELL___STATION 23914	56.90	49.93	50.45	48.06	49.36	56.96	63.78	62.89	63.81	56.40	54.26	51.31	47.29	47.07	47.19	49.49	54.45	57.92	57.10	54.72	49.64	45.18	41.13	42.66
	-2.47	-2.06	-2.17	-1.95	-1.99	-1.37	-1.06	-1.55	-1.95	-1.80	-2.70	-2.98	-2.82	-3.24	-2.92	-3.44	-3.38	-2.06	-2.21	-3.43	-3.33	-2.73	-2.60	-1.95
	-3.27	-4.04	-3.28	-3.65	-3.86	-3.34	-5.95	-7.02	-4.95	-3.68	-0.64	-1.10	-0.61	-0.51	-0.56	-0.81	-1.56	-2.72	-2.74	-1.89	-1.76	-1.71	-1.09	-1.34
S SALMON___HYD 24043	57.38	49.79	50.66	47.94	49.28	56.72	62.33	61.69	63.79	56.47	56.53	53.08	49.49	49.64	49.52	52.56	57.56	60.37	59.12	57.80	52.69	47.65	43.27	44.23
	-0.67	-0.57	-0.64	-0.60	-0.52	-0.27	-0.12	-0.06	-0.18	-0.22	-0.67	-0.85	-0.89	-0.89	-0.84	-0.78	-0.62	-0.17	-0.28	-0.56	-0.67	-0.65	-0.68	-0.65
	-1.96	-2.42	-1.96	-2.19	-2.31	-2.00	-3.56	-4.32	-3.16	-2.17	-0.88	-0.74	-0.88	-0.74	-0.81	-1.21	-1.90	-3.29	-2.84	-2.10	-2.15	-2.10	-1.31	-1.61
S.PERRY__115KV_TB1 80734	59.99	53.11	53.29	50.98	52.40	60.27	68.70	75.26	77.67	59.25	54.80	56.64	47.47	47.54	47.69	49.94	55.42	57.92	73.05	62.61	50.28	45.32	41.52	42.69
	-0.79	-0.62	-0.74	-0.60	-0.62	0.49	1.30	0.75	0.18	-0.27	-1.41	-1.76	-1.83	-2.09	-1.68	-1.82	-1.13	0.11	-0.06	-1.07	-1.23	-1.06	-1.32	-0.82
	-4.69	-5.79	-4.70	-5.23	-5.53	-4.78	-8.52	-17.09	-16.68	-5.00	0.12	-5.21	0.20	0.16	0.18	0.36	-0.27	-0.55	-16.55	-7.42	-0.31	-0.18	-0.20	-0.24
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	54.70	48.55	48.73	46.61	47.86	55.17	62.43	58.13	58.60	53.12	50.79	47.63	44.37	44.25	44.33	46.58	51.17	54.08	50.39	50.31	46.79	42.64	38.84	40.16
	-5.61	-4.60	-4.84	-4.45	-4.61	-4.12	-4.12	-4.94	-5.47	-5.02	-6.08	-6.06	-5.64	-5.98	-5.70	-6.20	-6.58	-5.78	-5.77	-6.41	-6.09	-5.22	-4.86	-4.41
	-4.22	-5.21	-4.23	-4.70	-4.98	-4.30	-7.66	-5.65	-3.26	-3.62	-0.55	-0.51	-0.52	-0.43	-0.48	-0.66	-1.48	-2.61	0.40	-0.46	-1.68	-1.66	-1.06	-1.30
SAWYER___23_KV_LOAD 55526	54.70	48.55	48.73	46.61	47.86	55.17	62.43	58.13	58.60	53.12	50.79	47.63	44.37	44.25	44.33	46.58	51.17	54.08	50.39	50.31	46.79	42.64	38.84	40.16
	-5.61	-4.60	-4.84	-4.45	-4.61	-4.12	-4.12	-4.94	-5.47	-5.02	-6.08	-6.06	-5.64	-5.98	-5.70	-6.20	-6.58	-5.78	-5.77	-6.41	-6.09	-5.22	-4.86	-4.41
	-4.22	-5.21	-4.23	-4.70	-4.98	-4.30	-7.66	-5.65	-3.26	-3.62	-0.55	-0.51	-0.52	-0.43	-0.48	-0.66	-1.48	-2.61	0.40	-0.46	-1.68	-1.66	-1.06	-1.30
SELKIRK___I 23801	91.48	90.78	84.62	85.22	88.49	91.19	121.53	132.59	116.71	93.36	73.54	68.02	66.53	64.35	65.33	74.73	90.62	114.89	106.60	93.83	89.48	83.31	66.53	72.33
	2.41	2.11	2.22	2.09	2.09	2.53	2.71	2.41	2.67	2.34	2.42	2.29	2.13	2.14	2.13	2.19	2.25	2.18	2.15	2.14	1.95	1.85	1.75	1.86
	-32.98	-40.73	-33.06	-36.78	-38.92	-33.66	-59.93	-72.77	-53.23	-36.49	-14.79	-12.55	-14.90	-12.41	-13.64	-20.42	-32.10	-55.45	-47.89	-35.43	-36.33	-35.26	-22.14	-27.20
SELKIRK___II 23799	91.69	91.06	84.80	85.46	88.76	91.35	121.98	133.20	117.08	93.62	73.54	68.00	66.55	64.35	65.34	74.76	90.76	115.36	106.98	94.07	89.80	83.62	66.65	72.46
	2.25	1.92	2.02	1.90	1.90	2.31	2.47	2.18	2.43	2.18	2.26	2.13	1.98	1.99	1.98	1.98	2.02	2.00	1.98	1.97	1.84	1.76	1.62	1.69
	-33.36	-41.20	-33.44	-37.21	-39.37	-34.05	-60.62	-73.60	-53.84	-36.92	-14.96	-12.69	-15.07	-12.56	-13.80	-20.65	-32.47	-56.09	-48.44	-35.84	-36.75	-35.67	-22.38	-27.50
SENECA OSWGO___HYD 24041	56.87	49.49	50.34	47.68	48.92	56.23	62.03	61.49	63.48	56.06	56.12	52.74	49.25	49.37	49.27	52.17	57.15	60.12	58.88	57.42	52.48	47.48	43.08	44.07
	-1.40	-1.15	-1.18	-1.11	-1.14	-0.99	-0.82	-0.75	-0.85	-0.87	-1.19	-1.28	-1.24	-1.24	-1.19	-1.30	-1.24	-0.80	-0.85	-1.18	-1.13	-1.06	-1.02	-0.99
	-2.18	-2.70	-2.19	-2.44	-2.58	-2.23	-3.97	-4.82	-3.52	-2.41	-0.98	-0.83	-0.99	-0.82	-0.90	-1.35	-2.12	-3.66	-3.16	-2.34	-2.40	-2.33	-1.46	-1.80

SENECA___115KV_TB3 355854	55.21 -5.27 -4.39	49.05 -4.31 -5.42	49.20 -4.54 -4.40	47.03 -4.22 -4.90	48.35 -4.32 -5.18	55.63 -3.85 -4.48	63.15 -3.71 -7.97	59.12 -4.31 -6.00	59.44 -4.74 -3.38	54.06 -4.36 -3.90	51.41 -5.46 -0.54	48.25 -5.42 -0.49	45.01 -5.00 -0.51	45.10 -5.13 -0.43	45.07 -4.96 -0.47	47.50 -5.26 -0.64	52.25 -5.51 -1.49	54.61 -5.27 -2.62	50.73 -5.20 0.63	51.28 -5.34 -0.36	47.87 -5.02 -1.69	43.35 -4.53 -1.68	39.41 -4.31 -1.08	40.39 -4.20 -1.32
SENECA___ENERGY 23797	58.37 -1.23 -3.52	51.28 -1.01 -4.34	51.78 -1.09 -3.52	49.30 -0.98 -3.92	50.73 -0.90 -4.15	58.14 -0.44 -3.59	65.40 0.12 -6.39	65.80 0.12 -8.27	67.09 -0.06 -6.34	58.19 -0.22 -3.89	56.66 -0.90 -1.23	53.65 -1.12 -1.58	49.59 -1.14 -1.23	49.58 -1.24 -1.02	49.54 -1.14 -1.13	52.60 -1.20 -1.67	58.02 -1.01 -2.76	61.63 -0.40 -4.77	61.45 -0.45 -5.35	58.89 -0.96 -3.59	53.40 -0.92 -3.12	48.26 -0.97 -3.03	43.66 -0.90 -1.91	44.66 -0.95 -2.35
SHOEMAKER___GT 23640	84.05 3.03 -24.93	81.28 2.54 -30.79	76.94 2.61 -24.99	76.62 2.46 -27.81	79.42 2.52 -29.42	83.52 3.08 -25.45	107.85 3.65 -45.31	116.13 3.62 -55.09	105.16 3.83 -40.52	85.85 3.38 -27.95	70.65 3.15 -11.17	65.64 2.98 -9.48	63.48 2.72 -11.26	61.86 2.69 -9.38	62.49 2.62 -10.31	70.41 2.86 -15.43	83.85 3.32 -24.26	103.87 3.67 -42.95	97.75 3.62 -37.57	86.66 3.55 -26.85	81.92 3.18 -27.54	75.73 2.87 -26.66	62.01 2.52 -16.85	66.22 2.25 -20.71
SHOEMAKR_138KV_BK 111 55601	83.89 3.03 -24.77	81.12 2.59 -30.59	76.78 2.61 -24.83	76.48 2.50 -27.63	79.28 2.56 -29.23	83.36 3.08 -25.28	107.55 3.65 -45.01	115.76 3.62 -54.73	104.94 3.89 -40.24	85.65 3.38 -27.75	70.64 3.21 -11.10	65.58 2.98 -9.42	63.46 2.77 -11.19	61.80 2.69 -9.32	62.47 2.68 -10.24	70.37 2.92 -15.33	83.75 3.38 -24.10	103.60 3.72 -42.62	97.44 3.62 -37.26	86.48 3.54 -26.67	81.74 3.17 -27.36	75.55 2.86 -26.49	61.78 2.52 -16.62	65.99 2.29 -20.43
SHOREHAM_IC_1 23715	110.33 6.34 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.92 5.14 -39.42	98.88 5.32 -46.07	109.50 5.94 -48.56	114.72 6.42 -49.41	141.02 6.60 -77.00	128.36 6.87 -60.68	112.59 6.43 -51.64	101.91 7.78 -37.80	94.44 7.29 -33.97	80.23 6.64 -24.10	78.34 6.62 -21.92	96.09 6.74 -39.79	102.10 7.09 -42.89	128.54 7.20 -65.06	157.04 7.62 -92.16	157.73 7.41 -93.76	149.63 6.80 -86.56	121.63 6.14 -64.29	108.52 6.05 -56.26	85.24 5.97 -36.63	78.02 5.84 -28.92
SHOREHAM_IC_2 23716	110.33 6.34 -47.90	101.02 5.37 -47.71	94.49 5.43 -39.72	90.92 5.14 -39.42	98.88 5.32 -46.07	109.50 5.94 -48.56	114.72 6.42 -49.41	141.02 6.60 -77.00	128.36 6.87 -60.68	112.59 6.43 -51.64	101.91 7.78 -37.80	94.44 7.29 -33.97	80.23 6.64 -24.10	78.34 6.62 -21.92	96.09 6.74 -39.79	102.10 7.09 -42.89	128.54 7.20 -65.06	157.04 7.62 -92.16	157.73 7.41 -93.76	149.63 6.80 -86.56	121.63 6.14 -64.29	108.52 6.05 -56.26	85.24 5.97 -36.63	78.02 5.84 -28.92
SISSONVILLE____ 23735	54.58 -1.51 0.00	46.55 -1.39 0.00	48.00 -1.33 0.00	45.06 -1.30 0.00	46.16 -1.33 0.00	52.52 -2.47 0.00	56.06 -2.83 0.00	54.95 -2.47 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.07 -2.25 0.00	51.11 -2.07 0.00	47.67 -1.83 0.00	48.00 -1.79 0.00	47.72 -1.83 0.00	50.35 -1.77 0.00	54.19 -2.08 0.00	54.68 -2.58 0.00	53.96 -2.60 0.00	53.84 -2.42 0.00	49.05 -2.15 0.00	50.80 -2.13 -6.72	47.35 -1.49 -6.21	42.23 -1.04 0.00
SITHE_IND_GS1 24169	55.66 -2.13 -1.70	48.22 -1.82 -2.10	49.17 -1.87 -1.71	46.49 -1.76 -1.90	47.69 -1.80 -2.01	54.92 -1.81 -1.74	60.22 -1.77 -3.09	59.39 -1.78 -3.76	61.61 -1.95 -2.75	54.60 -1.80 -1.88	55.01 -2.08 -0.76	51.76 -2.08 -0.65	48.29 -1.98 -0.77	48.44 -1.99 -0.64	48.33 -1.93 -0.70	51.09 -2.09 -1.05	55.78 -2.14 -1.65	58.28 -1.83 -2.85	57.16 -1.87 -2.46	55.95 -2.14 -1.82	51.07 -2.00 -1.87	46.22 -1.80 -1.82	42.16 -1.62 -1.14	43.02 -1.64 -1.40
SITHE_IND_GS2 24170	55.66 -2.13 -1.70	48.22 -1.82 -2.10	49.17 -1.87 -1.71	46.49 -1.76 -1.90	47.69 -1.80 -2.01	54.92 -1.81 -1.74	60.22 -1.77 -3.09	59.39 -1.78 -3.76	61.61 -1.95 -2.75	54.60 -1.80 -1.88	55.01 -2.08 -0.76	51.76 -2.08 -0.65	48.29 -1.98 -0.77	48.44 -1.99 -0.64	48.33 -1.93 -0.70	51.09 -2.09 -1.05	55.78 -2.14 -1.65	58.28 -1.83 -2.85	57.16 -1.87 -2.46	55.95 -2.14 -1.82	51.07 -2.00 -1.87	46.22 -1.80 -1.82	42.16 -1.62 -1.14	43.02 -1.64 -1.40
SITHE_IND_GS3 24171	55.66 -2.13 -1.70	48.22 -1.82 -2.10	49.17 -1.87 -1.71	46.49 -1.76 -1.90	47.69 -1.80 -2.01	54.92 -1.81 -1.74	60.22 -1.77 -3.09	59.39 -1.78 -3.76	61.61 -1.95 -2.75	54.60 -1.80 -1.88	55.01 -2.08 -0.76	51.76 -2.08 -0.65	48.29 -1.98 -0.77	48.44 -1.99 -0.64	48.33 -1.93 -0.70	51.09 -2.09 -1.05	55.78 -2.14 -1.65	58.28 -1.83 -2.85	57.16 -1.87 -2.46	55.95 -2.14 -1.82	51.07 -2.00 -1.87	46.22 -1.80 -1.82	42.16 -1.62 -1.14	43.02 -1.64 -1.40
SITHE_IND_GS4 24172	55.66 -2.13 -1.70	48.22 -1.82 -2.10	49.17 -1.87 -1.71	46.49 -1.76 -1.90	47.69 -1.80 -2.01	54.92 -1.81 -1.74	60.22 -1.77 -3.09	59.39 -1.78 -3.76	61.61 -1.95 -2.75	54.60 -1.80 -1.88	55.01 -2.08 -0.76	51.76 -2.08 -0.65	48.29 -1.98 -0.77	48.44 -1.99 -0.64	48.33 -1.93 -0.70	51.09 -2.09 -1.05	55.78 -2.14 -1.65	58.28 -1.83 -2.85	57.16 -1.87 -2.46	55.95 -2.14 -1.82	51.07 -2.00 -1.87	46.22 -1.80 -1.82	42.16 -1.62 -1.14	43.02 -1.64 -1.40
SITHE___BATAVIA 24024	55.75 -4.09 -3.75	49.22 -3.36 -4.64	49.55 -3.55 -3.76	47.30 -3.25 -4.19	48.59 -3.33 -4.43	56.24 -2.58 -3.83	63.41 -2.30 -6.82	60.77 -2.93 -6.28	61.38 -3.53 -4.10	54.90 -3.22 -3.60	52.47 -4.45 -0.59	49.53 -4.47 -0.82	45.66 -4.41 -0.57	45.59 -4.68 -0.47	45.66 -4.41 -0.52	47.95 -4.90 -0.73	52.84 -4.95 -1.52	56.54 -3.38 -2.66	54.67 -3.51 -1.62	52.74 -4.90 -1.37	48.57 -4.35 -1.72	44.14 -3.74 -1.67	40.56 -3.15 -1.07	41.55 -3.03 -1.32
SITHE___INDEPEND 23800	55.66 -2.13 -1.70	48.22 -1.82 -2.10	49.17 -1.87 -1.71	46.49 -1.76 -1.90	47.69 -1.80 -2.01	54.92 -1.81 -1.74	60.22 -1.77 -3.09	59.39 -1.78 -3.76	61.61 -1.95 -2.75	54.60 -1.80 -1.88	55.01 -2.08 -0.76	51.76 -2.07 -0.65	48.29 -1.98 -0.77	48.39 -2.04 -0.64	48.33 -1.93 -0.70	51.09 -2.08 -1.05	55.78 -2.14 -1.65	58.28 -1.83 -2.85	57.16 -1.87 -2.46	55.95 -2.14 -1.82	51.07 -2.00 -1.87	46.22 -1.80 -1.82	42.03 -1.75 -1.14	43.02 -1.64 -1.40
SITHE___MASSENA 23902	55.42 -0.67 0.00	47.37 -0.57 0.00	48.80 -0.54 0.00	45.84 -0.51 0.00	46.92 -0.57 0.00	53.73 -1.26 0.00	57.30 -1.59 0.00	55.99 -1.43 0.00	59.17 -1.64 0.00	53.16 -1.36 0.00	55.26 -1.07 0.00	52.28 -0.90 0.00	48.76 -0.74 0.00	49.10 -0.70 0.00	48.81 -0.74 0.00	51.44 -0.68 0.00	55.32 -0.96 0.00	55.83 -1.43 0.00	55.15 -1.41 0.00	55.08 -1.18 0.00	50.18 -1.02 0.00	46.47 -0.97 -1.24	42.98 -0.81 -1.15	42.70 -0.56 0.00
SITHE___OGDNSBRG 24021	55.87 -0.22 0.00	47.70 -0.24 0.00	49.19 -0.15 0.00	46.17 -0.19 0.00	47.30 -0.19 0.00	54.00 -0.99 0.00	57.71 -1.18 0.00	56.61 -0.80 0.00	59.84 -0.97 0.00	53.70 -0.82 0.00	55.65 -0.68 0.00	52.60 -0.59 0.00	49.00 -0.49 0.00	49.45 -0.35 0.00	49.06 -0.50 0.00	51.81 -0.31 0.00	55.88 -0.39 0.00	56.34 -0.92 0.00	55.60 -0.96 0.00	55.53 -0.73 0.00	50.59 -0.61 0.00	50.06 -0.74 -4.59	46.46 -0.43 -4.24	43.09 -0.17 0.00

SITHE___STERLING 23777	59.71 1.96 -1.66	51.63 1.63 -2.05	52.68 1.68 -1.66	49.78 1.58 -1.85	51.15 1.71 -1.96	59.05 2.36 -1.70	64.73 2.83 -3.02	64.01 2.93 -3.66	66.53 3.04 -2.68	58.86 2.51 -1.84	59.16 2.09 -0.74	55.57 1.75 -0.63	51.73 1.48 -0.75	51.91 1.49 -0.62	51.73 1.49 -0.69	54.92 1.77 -1.03	60.08 2.19 -1.61	62.56 2.52 -2.79	61.29 2.32 -2.41	60.18 2.14 -1.78	54.82 1.79 -1.83	49.46 1.48 -1.78	44.99 1.24 -1.11	45.93 1.30 -1.37
SLEIGHT__34_KV_TB1 80719	57.34 -1.96 -3.21	50.28 -1.63 -3.97	50.88 -1.68 -3.22	48.41 -1.53 -3.58	49.76 -1.52 -3.79	57.28 -0.99 -3.28	64.20 -0.53 -5.84	63.90 -0.69 -7.17	65.06 -0.97 -5.23	57.20 -0.93 -3.61	55.67 -1.63 -0.98	52.49 -1.91 -1.22	48.58 -1.88 -0.97	48.46 -2.14 -0.81	48.56 -1.88 -0.89	51.19 -2.24 -1.31	56.29 -2.19 -2.21	59.83 -1.26 -3.83	58.99 -1.41 -3.84	56.63 -2.31 -2.67	51.35 -2.36 -2.50	46.65 -1.99 -2.43	42.17 -2.00 -1.53	43.59 -1.56 -1.88
SOUTH CAIRO___GT 23612	91.36 3.54 -31.73	90.11 2.97 -39.20	84.31 3.16 -31.81	84.72 2.97 -35.40	88.02 3.08 -37.45	91.18 3.79 -32.39	121.10 4.53 -57.67	131.29 3.85 -70.02	116.17 4.14 -51.22	92.69 3.05 -35.12	73.65 3.10 -14.23	67.97 2.71 -12.07	66.36 2.52 -14.34	64.23 2.49 -11.94	65.36 2.67 -13.13	74.58 2.81 -19.65	90.36 3.21 -30.89	113.94 3.32 -53.36	106.09 3.45 -46.08	93.62 3.26 -34.10	89.03 2.87 -34.96	82.72 2.59 -33.93	66.19 2.22 -21.34	71.91 2.42 -26.22
SOUTH HAMPTN___IC 23720	111.06 7.07 -47.90	101.64 5.99 -47.71	95.08 6.02 -39.72	91.47 5.70 -39.42	99.45 5.89 -46.07	110.26 6.71 -48.56	115.72 7.42 -49.41	142.00 7.58 -77.00	129.39 7.90 -60.68	113.36 7.20 -51.64	102.53 8.39 -37.80	95.02 7.87 -33.97	80.68 7.08 -24.10	78.84 7.12 -21.92	96.58 7.24 -39.79	102.63 7.61 -42.89	129.27 7.94 -65.06	157.89 8.47 -92.16	158.58 8.26 -93.76	150.47 7.65 -86.56	122.40 6.91 -64.29	109.12 6.65 -56.26	85.66 6.39 -36.63	78.41 6.23 -28.92
SOUTHDOW_115KV_TB1 355954	56.80 -4.04 -4.75	50.36 -3.45 -5.87	50.45 -3.65 -4.76	48.36 -3.29 -5.30	49.63 -3.47 -5.61	57.04 -2.80 -4.85	65.34 -2.18 -8.63	62.27 -2.35 -7.20	62.50 -2.68 -4.36	56.29 -2.56 -4.33	53.16 -3.77 -0.60	50.19 -3.72 -0.73	46.55 -3.51 -0.57	46.79 -3.49 -0.48	46.56 -3.52 -0.52	49.35 -3.49 -0.72	54.00 -3.88 -1.61	55.81 -4.29 -2.84	52.44 -4.24 -0.13	53.19 -3.83 -0.75	49.45 -3.58 -1.83	44.50 -3.60 -1.90	40.31 -3.54 -1.21	41.03 -3.72 -1.48
SOUTHOLD_69_KV_BK 2 55809	112.02 8.02 -47.90	102.65 7.00 -47.71	96.12 7.06 -39.72	92.50 6.72 -39.42	100.30 6.74 -46.07	111.42 7.86 -48.56	116.78 8.48 -49.41	143.15 8.73 -77.00	130.55 9.06 -60.68	114.29 8.12 -51.64	103.31 9.18 -37.80	95.72 8.56 -33.97	81.32 7.72 -24.10	79.49 7.77 -21.92	97.28 7.93 -39.79	103.36 8.34 -42.89	130.22 8.89 -65.06	158.98 9.56 -92.16	159.65 9.33 -93.76	151.55 8.72 -86.56	123.33 7.83 -64.29	109.95 7.49 -56.26	86.12 7.04 -36.44	78.79 6.84 -28.69
SOUTHOLD___IC 23719	112.02 8.02 -47.90	102.36 6.71 -47.71	95.82 6.76 -39.72	92.22 6.44 -39.42	100.21 6.65 -46.07	111.20 7.64 -48.56	116.83 8.54 -49.41	143.15 8.72 -77.00	130.56 9.06 -60.68	114.29 8.12 -51.64	103.32 9.18 -37.80	95.72 8.56 -33.97	81.32 7.72 -24.10	79.44 7.72 -21.92	97.28 7.93 -39.79	103.35 8.34 -42.89	130.22 8.89 -65.06	158.98 9.56 -92.16	159.65 9.33 -93.76	151.54 8.72 -86.56	123.33 7.83 -64.29	109.91 7.44 -56.26	86.30 7.03 -36.63	79.02 6.83 -28.92
SOUTH_FORK_WT_PWR 323839	111.96 7.96 -47.90	102.31 6.66 -47.71	95.82 6.76 -39.72	92.17 6.40 -39.42	100.16 6.60 -46.07	111.20 7.64 -48.56	116.78 8.48 -49.41	143.09 8.67 -77.00	130.49 9.00 -60.68	114.29 8.12 -51.64	103.32 9.18 -37.80	95.72 8.56 -33.97	81.32 7.72 -24.10	79.44 7.72 -21.92	97.28 7.93 -39.79	103.35 8.34 -42.89	130.17 8.84 -65.06	158.93 9.51 -92.16	159.60 9.28 -93.76	151.54 8.72 -86.56	123.33 7.83 -64.29	109.86 7.39 -56.26	86.30 7.03 -36.63	79.02 6.83 -28.92
SPIERFLS_115KV_TB 1 80737	94.26 3.53 -34.64	93.75 3.02 -42.79	87.17 3.11 -34.73	87.91 2.92 -38.64	91.46 3.09 -40.88	94.26 3.90 -35.36	126.38 4.53 -62.96	138.39 4.54 -76.44	121.65 4.93 -55.91	97.00 4.14 -38.34	75.86 4.00 -15.54	70.09 3.72 -13.18	68.52 3.37 -15.65	66.22 3.39 -13.04	67.26 3.37 -14.33	77.38 3.80 -21.45	94.16 4.16 -33.72	120.04 4.52 -58.26	111.40 4.52 -50.31	97.71 4.22 -37.23	93.06 3.69 -38.17	86.43 3.19 -37.04	68.72 2.81 -23.26	74.45 2.60 -28.58
ST LAWRENCE____ 23600	55.02 -1.07 0.00	46.98 -0.96 0.00	48.40 -0.94 0.00	45.47 -0.88 0.00	46.54 -0.95 0.00	53.40 -1.60 0.00	56.89 -2.00 0.00	55.53 -1.89 0.00	58.74 -2.07 0.00	52.72 -1.80 0.00	54.92 -1.41 0.00	52.01 -1.17 0.00	48.46 -1.04 0.00	48.80 -1.00 0.00	48.56 -0.99 0.00	51.08 -1.04 0.00	54.92 -1.35 0.00	55.43 -1.83 0.00	54.81 -1.75 0.00	54.80 -1.46 0.00	49.93 -1.28 0.00	45.05 -1.15 0.00	41.58 -1.06 0.00	42.40 -0.87 0.00
STATE_CA_115KV_115_LB 55624	92.57 2.64 -33.85	92.01 2.25 -41.81	85.68 2.42 -33.93	86.38 2.27 -37.75	89.71 2.28 -39.95	92.30 2.75 -34.55	123.35 2.94 -61.51	134.63 2.53 -74.69	118.24 2.80 -54.63	94.54 2.56 -37.46	74.27 2.76 -15.18	68.62 2.55 -12.88	67.17 2.38 -15.30	64.93 2.39 -12.74	65.99 2.43 -14.00	75.43 2.35 -20.96	91.53 2.31 -32.95	116.42 2.23 -56.92	107.92 2.21 -49.16	94.83 2.19 -36.38	90.55 2.05 -37.30	84.38 1.99 -36.19	67.16 1.79 -22.73	73.14 1.95 -27.93
STATE_ST_34_KV_LOAD 55959	59.23 -0.34 -3.47	51.95 -0.29 -4.29	52.52 -0.30 -3.48	50.00 -0.23 -3.87	51.35 -0.24 -4.10	58.87 0.33 -3.55	66.03 0.82 -6.31	66.28 0.92 -7.94	67.63 0.85 -5.97	58.96 0.60 -3.84	58.41 0.11 -1.97	54.53 -0.11 -1.45	51.25 -0.25 -2.00	51.11 -0.35 -1.66	51.14 -0.25 -1.83	54.62 -0.26 -2.75	60.43 0.00 -4.15	64.99 0.57 -7.16	63.31 0.51 -6.24	61.04 0.17 -4.61	55.85 -0.05 -4.70	50.67 -0.14 -4.60	45.12 -0.38 -2.86	46.56 -0.22 -3.51
STATION 5_MISC_HYD 23604	56.67 -2.69 -3.27	49.78 -2.20 -4.04	50.25 -2.37 -3.28	47.87 -2.13 -3.65	49.17 -2.18 -3.86	56.74 -1.60 -3.34	63.43 -1.41 -5.95	62.54 -1.89 -7.02	63.44 -2.31 -4.95	56.18 -2.02 -3.68	53.98 -2.99 -0.64	51.04 -3.25 -1.10	47.09 -3.02 -0.61	47.02 -3.29 -0.51	47.04 -3.07 -0.56	49.23 -3.70 -0.81	54.20 -3.66 -1.59	57.68 -2.35 -2.77	57.35 -2.54 -3.34	54.55 -3.88 -2.17	49.57 -3.43 -1.80	44.99 -2.96 -1.74	41.67 -2.09 -1.12	42.60 -2.03 -1.37
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	57.87 -1.51 -3.30	50.77 -1.25 -4.07	51.31 -1.33 -3.31	48.87 -1.16 -3.68	50.19 -1.19 -3.89	57.87 -0.49 -3.37	65.24 0.35 -5.99	64.93 0.23 -7.28	66.13 0.00 -5.32	58.00 -0.11 -3.59	56.27 -0.84 -0.78	53.30 -1.12 -1.23	49.08 -1.19 -0.77	49.04 -1.39 -0.64	49.02 -1.24 -0.70	51.74 -1.41 -1.02	56.32 -1.80 -1.85	59.68 -0.80 -3.22	59.20 -0.90 -3.54	56.84 -1.80 -2.38	51.46 -1.84 -2.09	46.72 -1.57 -2.08	42.35 -1.62 -1.32	43.68 -1.21 -1.62
STA_56_34_KV_BUS2_REV_LBMP_B 345033	56.54 -2.80 -3.25	49.66 -2.30 -4.02	50.13 -2.47 -3.26	47.75 -2.22 -3.63	49.04 -2.28 -3.84	56.55 -1.76 -3.32	63.33 -1.47 -5.91	62.77 -1.89 -7.24	63.78 -2.31 -5.28	56.04 -2.13 -3.65	54.04 -2.93 -0.65	51.23 -3.19 -1.24	47.10 -3.02 -0.62	46.88 -3.44 -0.52	47.00 -3.12 -0.57	49.34 -3.60 -0.82	54.18 -3.66 -1.57	57.60 -2.40 -2.74	57.33 -2.55 -3.31	54.70 -3.71 -2.15	49.40 -3.58 -1.78	44.97 -2.96 -1.72	40.93 -2.81 -1.10	42.41 -2.21 -1.35

STA_56___34_KV_BUS2 355983	56.54 -2.80 -3.25	49.66 -2.30 -4.02	50.13 -2.47 -3.26	47.75 -2.22 -3.63	49.04 -2.28 -3.84	56.55 -1.76 -3.32	63.33 -1.47 -5.91	62.77 -1.89 -7.24	63.78 -2.31 -5.28	56.04 -2.13 -3.65	54.04 -2.93 -0.65	51.23 -3.19 -1.24	47.10 -3.02 -0.62	46.88 -3.44 -0.52	47.00 -3.12 -0.57	49.34 -3.60 -0.82	54.18 -3.66 -1.57	57.60 -2.40 -2.74	57.33 -2.55 -3.31	54.70 -3.71 -2.15	49.40 -3.58 -1.78	44.97 -2.96 -1.72	40.93 -2.81 -1.10	42.41 -2.21 -1.35
STA_67___115KV_BK2 355882	56.56 -2.80 -3.27	49.68 -2.30 -4.04	50.15 -2.47 -3.28	47.78 -2.22 -3.65	49.07 -2.28 -3.86	56.63 -1.70 -3.34	63.30 -1.53 -5.94	62.42 -2.01 -7.01	63.31 -2.43 -4.93	55.97 -2.24 -3.68	53.87 -3.10 -0.64	50.93 -3.35 -1.10	46.94 -3.17 -0.61	46.72 -3.59 -0.51	46.85 -3.27 -0.56	49.12 -3.80 -0.81	54.00 -3.83 -1.56	57.46 -2.52 -2.72	56.63 -2.66 -2.72	54.27 -3.88 -1.89	49.23 -3.74 -1.76	44.86 -3.05 -1.71	40.88 -2.86 -1.09	42.40 -2.21 -1.34
STA_7___115KV_9TRANS 80674	56.90 -2.47 -3.27	49.93 -2.06 -4.04	50.45 -2.17 -3.28	48.06 -1.95 -3.65	49.36 -1.99 -3.86	56.96 -1.37 -3.34	63.78 -1.06 -5.95	62.89 -1.55 -7.02	63.81 -1.95 -4.95	56.40 -1.80 -3.68	54.26 -2.70 -0.64	51.31 -2.98 -1.10	47.29 -2.82 -0.61	47.07 -3.24 -0.51	47.19 -2.92 -0.56	49.49 -3.44 -0.81	54.45 -3.38 -1.56	57.92 -2.06 -2.72	57.10 -2.21 -2.74	54.72 -3.43 -1.89	49.64 -3.33 -1.76	45.18 -2.73 -1.71	41.13 -2.60 -1.09	42.66 -1.95 -1.34
STA_82___115KV_TB1 80780	56.58 -2.80 -3.29	49.71 -2.30 -4.06	50.22 -2.42 -3.30	47.80 -2.22 -3.67	49.14 -2.23 -3.88	56.65 -1.70 -3.36	63.40 -1.47 -5.98	62.42 -2.01 -7.01	63.36 -2.43 -4.98	55.93 -2.24 -3.64	53.86 -3.10 -0.63	50.96 -3.35 -1.13	46.94 -3.17 -0.61	46.72 -3.59 -0.51	46.89 -3.22 -0.56	49.12 -3.80 -0.80	54.05 -3.77 -1.55	57.51 -2.46 -2.71	56.72 -2.66 -2.82	54.36 -3.83 -1.92	49.27 -3.69 -1.76	44.90 -3.00 -1.70	40.87 -2.86 -1.09	42.39 -2.21 -1.33
STEEL___WIND 323596	55.15 -5.33 -4.39	49.00 -4.36 -5.42	49.15 -4.59 -4.40	46.99 -4.26 -4.90	48.30 -4.37 -5.18	55.57 -3.90 -4.48	63.04 -3.83 -7.97	59.06 -4.37 -6.00	59.38 -4.81 -3.38	54.05 -4.36 -3.90	51.29 -5.58 -0.54	48.20 -5.48 -0.49	44.81 -5.20 -0.51	45.00 -5.23 -0.43	44.87 -5.15 -0.47	47.45 -5.32 -0.64	52.12 -5.57 -1.42	54.33 -5.44 -2.51	51.14 -5.32 0.10	51.37 -5.46 -0.57	47.85 -4.97 -1.61	43.20 -4.58 -1.57	39.48 -4.18 -1.01	40.27 -4.24 -1.24
STEPHTWN_115KV_BK_2 55603	92.68 3.08 -33.50	92.01 2.68 -41.38	85.78 2.86 -33.58	86.36 2.64 -37.37	89.73 2.71 -39.54	92.55 3.35 -34.20	123.37 3.59 -60.88	134.56 3.22 -73.92	118.41 3.53 -54.07	94.70 3.11 -37.08	74.62 3.27 -15.02	68.96 3.03 -12.75	67.46 2.82 -15.14	65.25 2.84 -12.61	66.29 2.87 -13.86	75.73 2.87 -20.74	91.81 2.93 -32.61	116.46 2.86 -56.34	108.10 2.88 -48.65	95.13 2.87 -36.00	90.73 2.61 -36.91	84.47 2.45 -35.82	67.36 2.22 -22.50	73.25 2.34 -27.64
STEBUBEN_REC_LFGE 323667	60.35 -1.68 -5.95	53.95 -1.34 -7.35	53.92 -1.38 -5.96	51.69 -1.30 -6.63	53.22 -1.28 -7.02	60.68 -0.38 -6.07	70.05 0.35 -10.81	75.94 0.23 -18.30	77.27 -0.24 -16.70	60.36 -0.60 -6.44	52.43 -1.69 2.21	56.31 -1.86 -4.99	45.12 -1.98 2.40	45.72 -2.09 1.98	45.43 -1.93 2.19	46.66 -1.98 3.48	51.24 -1.46 3.57	50.12 -1.15 5.99	66.39 -1.24 -11.08	58.12 -1.41 -3.26	45.63 -1.54 4.04	40.28 -1.66 4.27	38.37 -1.83 2.44	38.52 -1.73 3.02
STILLWATER___SOLAR 323814	93.93 3.37 -34.48	93.45 2.92 -42.59	86.86 2.96 -34.56	87.59 2.78 -38.46	91.12 2.95 -40.69	93.82 3.63 -35.19	125.55 4.01 -62.66	137.40 3.91 -76.08	120.71 4.26 -55.65	96.39 3.71 -38.16	75.40 3.61 -15.46	69.71 3.41 -13.12	68.20 3.12 -15.58	65.91 3.14 -12.98	66.94 3.12 -14.26	76.91 3.44 -21.35	93.61 3.77 -33.56	119.19 3.95 -57.98	110.59 3.96 -50.07	97.08 3.77 -37.05	92.52 3.33 -37.99	85.98 2.91 -36.86	68.47 2.69 -23.14	74.25 2.55 -28.43
STONY___BROOK 24151	110.33 6.34 -47.90	100.97 5.32 -47.71	94.44 5.38 -39.72	90.87 5.10 -39.42	98.78 5.22 -46.07	109.71 6.16 -48.56	115.36 7.06 -49.41	141.60 7.18 -77.00	129.09 7.60 -60.68	112.92 6.76 -51.64	101.29 7.15 -37.80	93.85 6.70 -33.97	79.74 6.14 -24.10	77.84 6.12 -21.92	95.54 6.19 -39.79	101.64 6.62 -42.89	128.54 7.20 -65.06	156.98 7.56 -92.16	157.73 7.41 -93.76	150.08 7.26 -86.56	122.00 6.50 -64.29	108.43 5.96 -56.26	84.77 5.50 -36.63	77.37 5.19 -28.92
STURGEON_POOL_HYD 23609	87.54 3.53 -27.92	85.40 2.97 -34.49	80.33 3.01 -27.99	80.37 2.87 -31.14	83.33 2.90 -32.95	87.01 3.52 -28.50	113.93 4.30 -50.74	123.39 4.36 -61.60	110.56 4.68 -45.06	89.38 3.98 -30.89	72.56 3.72 -12.52	67.21 3.40 -10.62	65.18 3.07 -12.61	63.34 3.04 -10.51	64.07 2.97 -11.54	72.74 3.34 -17.28	87.44 4.00 -27.17	108.66 4.47 -46.94	101.56 4.47 -40.53	90.53 4.28 -29.99	85.80 3.84 -30.75	79.43 3.37 -29.85	64.15 2.77 -18.74	68.72 2.42 -23.03
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	84.99 3.42 -25.47	82.33 2.92 -31.47	77.83 2.96 -25.54	77.60 2.83 -28.41	80.40 2.85 -30.06	84.41 3.41 -26.00	109.25 4.06 -46.30	117.80 4.08 -56.31	106.63 4.38 -41.45	87.01 3.87 -28.62	71.46 3.72 -11.42	66.27 3.40 -9.69	64.12 3.12 -11.50	62.47 3.09 -9.58	63.11 3.02 -10.53	71.17 3.28 -15.76	84.83 3.77 -24.79	105.48 4.18 -44.04	99.23 4.07 -38.60	87.70 3.99 -27.44	82.94 3.58 -28.16	76.63 3.19 -27.24	62.51 2.77 -17.10	66.79 2.51 -21.01
SWANROAD_115KV_TB1 355699	53.29 -6.84 -4.05	47.33 -5.61 -5.00	47.52 -5.87 -4.06	45.44 -5.42 -4.51	46.66 -5.60 -4.78	53.90 -5.22 -4.13	60.76 -5.48 -7.35	56.86 -6.37 -5.82	57.34 -7.05 -3.59	51.61 -6.43 -3.52	49.46 -7.44 -0.57	46.60 -7.23 -0.65	43.16 -6.88 -0.54	42.93 -7.32 -0.46	43.12 -6.94 -0.50	45.16 -7.66 -0.70	49.62 -8.16 -1.51	53.61 -6.30 -2.65	50.53 -6.45 -0.42	49.22 -7.88 -0.84	45.85 -7.07 -1.71	42.11 -5.78 -1.69	37.79 -5.93 -1.08	39.35 -5.24 -1.32
SYNERGY___BIOGAS 323694	55.75 -4.09 -3.75	49.22 -3.36 -4.64	49.55 -3.55 -3.76	47.30 -3.25 -4.19	48.59 -3.33 -4.43	56.24 -2.58 -3.83	63.41 -2.30 -6.82	60.77 -2.93 -6.28	61.38 -3.53 -4.10	54.90 -3.22 -3.60	52.47 -4.45 -0.59	49.53 -4.47 -0.82	45.66 -4.41 -0.57	45.59 -4.68 -0.47	45.66 -4.41 -0.52	47.95 -4.90 -0.73	52.84 -4.95 -1.52	56.54 -3.38 -2.66	54.67 -3.51 -1.62	52.74 -4.90 -1.37	48.57 -4.35 -1.72	44.14 -3.74 -1.67	40.56 -3.15 -1.07	41.55 -3.03 -1.32
SYRACUSE___ENERGY_ST1 323597	58.26 -0.62 -2.78	50.90 -0.48 -3.44	51.63 -0.49 -2.79	49.00 -0.46 -3.11	50.30 -0.47 -3.29	57.67 -0.16 -2.84	64.07 0.12 -5.06	63.73 0.17 -6.14	65.42 0.12 -4.49	57.59 0.00 -3.08	57.24 -0.34 -1.25	53.76 -0.48 -1.06	50.21 -0.54 -1.26	50.24 -0.60 -1.05	50.16 -0.55 -1.15	53.27 -0.57 -1.72	58.58 -0.39 -2.70	61.92 0.00 -4.66	60.53 -0.06 -4.02	58.90 -0.34 -2.98	53.80 -0.46 -3.05	48.77 -0.42 -2.98	43.91 -0.60 -1.86	45.08 -0.48 -2.29
SYRACUSE___ENERGY_ST2 323598	58.26 -0.62 -2.78	50.90 -0.48 -3.44	51.63 -0.49 -2.79	49.00 -0.46 -3.11	50.30 -0.47 -3.29	57.67 -0.16 -2.84	64.07 0.12 -5.06	63.73 0.17 -6.14	65.42 0.12 -4.49	57.59 0.00 -3.08	57.24 -0.34 -1.25	53.76 -0.48 -1.06	50.21 -0.54 -1.26	50.24 -0.60 -1.05	50.16 -0.55 -1.15	53.27 -0.57 -1.72	58.58 -0.39 -2.70	61.92 0.00 -4.66	60.53 -0.06 -4.02	58.90 -0.34 -2.98	53.80 -0.46 -3.05	48.77 -0.42 -2.98	43.91 -0.60 -1.86	45.08 -0.48 -2.29

SYRACUSE___POWER 24017	58.33 -0.67 -2.92	50.97 -0.58 -3.60	51.67 -0.59 -2.92	49.05 -0.56 -3.25	50.41 -0.52 -3.44	57.70 -0.27 -2.98	64.25 0.06 -5.30	63.91 0.06 -6.44	65.52 0.00 -4.71	57.63 -0.11 -3.22	57.48 -0.45 -1.61	53.71 -0.59 -1.11	50.48 -0.64 -1.63	50.45 -0.70 -1.36	50.40 -0.64 -1.49	53.74 -0.63 -2.24	59.24 -0.45 -3.42	63.10 -0.06 -5.90	61.20 -0.11 -4.75	59.49 -0.39 -3.62	54.61 -0.46 -3.87	49.51 -0.46 -3.77	44.39 -0.60 -2.35	45.63 -0.52 -2.88
TALLMAN___138KV_BK151 55660	85.97 3.76 -26.12	83.42 3.21 -32.26	78.83 3.31 -26.18	78.64 3.15 -29.13	81.49 3.18 -30.83	85.45 3.79 -26.66	110.84 4.48 -47.47	119.97 4.54 -58.01	109.24 4.86 -43.57	89.61 4.31 -30.78	72.89 4.17 -12.40	67.77 3.83 -10.76	65.59 3.56 -12.53	63.86 3.49 -10.58	64.30 3.42 -11.32	72.45 3.65 -16.68	86.33 4.16 -25.90	107.69 4.64 -45.80	101.49 4.52 -40.40	89.08 4.44 -28.38	84.30 3.94 -29.16	77.71 3.56 -27.95	63.24 3.07 -17.53	67.58 2.77 -21.54
TEALLAVE_115KV_TB7 355573	57.52 -1.01 -2.43	50.09 -0.86 -3.01	50.89 -0.89 -2.44	48.23 -0.83 -2.72	49.55 -0.81 -2.87	56.87 -0.60 -2.49	62.96 -0.35 -4.42	62.45 -0.34 -5.37	64.31 -0.43 -3.93	56.77 -0.44 -2.69	56.63 -0.79 -1.09	53.21 -0.90 -0.93	49.71 -0.89 -1.10	49.76 -0.95 -0.92	49.72 -0.84 -1.01	52.64 -0.99 -1.51	57.77 -0.84 -2.34	60.85 -0.46 -4.05	59.55 -0.51 -3.50	58.01 -0.84 -2.59	52.99 -0.87 -2.65	48.02 -0.79 -2.60	43.38 -0.90 -1.63	44.49 -0.78 -2.00
TELGRAPH_34_KV_EAST 80808	54.68 -5.27 -3.87	48.36 -4.36 -4.78	48.67 -4.54 -3.88	46.45 -4.22 -4.31	47.73 -4.32 -4.56	55.20 -3.74 -3.95	62.26 -3.65 -7.02	59.09 -4.42 -6.10	59.64 -5.05 -3.88	53.41 -4.69 -3.58	51.16 -5.75 -0.58	48.18 -5.74 -0.74	44.61 -5.44 -0.55	44.38 -5.88 -0.47	44.56 -5.50 -0.51	46.74 -6.10 -0.71	51.43 -6.36 -1.51	55.16 -4.75 -2.65	52.64 -4.92 -1.00	51.17 -6.19 -1.10	47.18 -5.73 -1.71	43.17 -4.71 -1.68	38.94 -4.78 -1.08	40.52 -4.07 -1.32
TEMPLE___115KV_TB 2 55572	57.55 -1.01 -2.47	50.18 -0.82 -3.05	50.97 -0.84 -2.47	48.32 -0.79 -2.75	49.59 -0.81 -2.91	56.96 -0.55 -2.52	63.08 -0.29 -4.49	62.58 -0.29 -5.45	64.43 -0.36 -3.98	56.81 -0.44 -2.73	56.70 -0.73 -1.11	53.27 -0.85 -0.94	49.72 -0.89 -1.11	49.78 -0.95 -0.93	49.73 -0.84 -1.02	52.71 -0.94 -1.53	57.81 -0.84 -2.39	60.98 -0.40 -4.12	59.67 -0.45 -3.56	58.11 -0.79 -2.63	53.09 -0.82 -2.70	48.10 -0.74 -2.64	43.44 -0.85 -1.65	44.56 -0.74 -2.03
TIANA___69_KV_BK 1 55817	110.89 6.90 -47.90	101.79 6.14 -47.71	95.18 6.12 -39.72	91.61 5.84 -39.42	99.40 5.84 -46.07	110.27 6.71 -48.56	115.42 7.13 -49.41	141.83 7.41 -77.00	129.16 7.66 -60.68	113.20 7.03 -51.64	102.36 8.22 -37.80	94.81 7.66 -33.97	80.58 6.98 -24.10	78.69 6.97 -21.92	96.44 7.09 -39.79	102.47 7.45 -42.89	129.10 8.30 -65.06	157.73 8.03 -92.16	158.35 7.48 -93.76	150.31 6.71 -86.56	122.20 6.56 -64.29	109.03 6.56 -56.26	85.40 6.31 -36.44	78.06 6.10 -28.69
TILDEN___115KV_TB1 80814	58.33 -0.67 -2.92	50.97 -0.58 -3.60	51.67 -0.59 -2.92	49.05 -0.56 -3.25	50.41 -0.52 -3.44	57.70 -0.27 -2.98	64.25 0.06 -5.30	63.91 0.06 -6.44	65.52 0.00 -4.71	57.63 -0.11 -3.22	57.48 -0.45 -1.61	53.71 -0.59 -1.11	50.48 -0.64 -1.63	50.45 -0.70 -1.36	50.40 -0.64 -1.49	53.74 -0.63 -2.24	59.24 -0.45 -3.42	63.10 -0.06 -5.90	61.20 -0.11 -4.75	59.49 -0.39 -3.62	54.61 -0.46 -3.87	49.51 -0.46 -3.77	44.39 -0.60 -2.35	45.63 -0.52 -2.88
TRIGEN___CC 323695	109.16 5.16 -47.90	100.06 4.41 -47.71	93.50 4.44 -39.72	89.99 4.22 -39.42	97.88 4.32 -46.07	108.73 5.17 -48.56	114.25 5.95 -49.41	140.39 5.97 -77.00	127.94 6.45 -60.68	111.89 5.72 -51.64	99.71 5.58 -37.80	92.37 5.21 -33.97	78.40 4.80 -24.10	76.50 4.78 -21.92	94.06 4.71 -39.79	100.07 5.06 -42.89	126.96 5.63 -65.06	155.49 6.07 -92.16	156.32 6.00 -93.76	148.68 5.85 -86.56	120.77 5.27 -64.29	107.18 4.71 -56.26	83.22 4.14 -36.44	75.80 3.85 -28.68
TRINITY___115KV___ 4 BK 55933	92.08 2.41 -33.57	91.52 2.11 -41.47	85.26 2.27 -33.66	85.89 2.09 -37.45	89.20 2.09 -39.62	91.80 2.53 -34.27	122.56 2.65 -61.02	133.74 2.24 -74.08	117.55 2.55 -54.19	93.97 2.29 -37.16	73.92 2.53 -15.06	68.30 2.34 -12.77	66.85 2.18 -15.17	64.68 2.24 -12.64	65.67 2.23 -13.89	75.05 2.14 -20.79	91.04 2.08 -32.68	115.73 2.00 -56.46	107.30 1.98 -48.76	94.31 1.97 -36.08	90.04 1.84 -36.99	83.90 1.80 -35.90	66.85 1.66 -22.55	72.79 1.82 -27.70
UNION___PROCESSING_DRP 323587	56.64 -2.75 -3.29	49.71 -2.30 -4.07	50.22 -2.42 -3.30	47.85 -2.18 -3.67	49.14 -2.23 -3.89	56.71 -1.65 -3.36	63.40 -1.47 -5.99	62.41 -2.01 -7.00	63.40 -2.37 -4.97	55.93 -2.24 -3.65	53.87 -3.10 -0.64	50.95 -3.35 -1.12	46.99 -3.12 -0.61	46.77 -3.54 -0.51	46.89 -3.22 -0.56	49.17 -3.75 -0.80	54.06 -3.77 -1.56	57.52 -2.46 -2.72	56.76 -2.60 -2.80	54.35 -3.83 -1.92	49.28 -3.69 -1.76	44.91 -3.00 -1.71	40.87 -2.86 -1.09	42.44 -2.16 -1.34
UPPER HUDSON___HYD 24058	94.27 3.54 -34.64	93.75 3.02 -42.79	87.17 3.11 -34.73	87.92 2.92 -38.64	91.45 3.08 -40.88	94.26 3.90 -35.36	126.38 4.53 -62.96	138.39 4.53 -76.44	121.65 4.92 -55.91	97.00 4.14 -38.34	75.86 4.00 -15.54	70.09 3.72 -13.18	68.52 3.37 -15.65	66.22 3.39 -13.04	67.26 3.37 -14.33	77.38 3.80 -21.45	94.16 4.16 -33.72	119.99 4.47 -58.26	111.40 4.53 -50.31	97.71 4.22 -37.23	93.06 3.69 -38.17	86.43 3.19 -37.04	68.74 2.86 -23.25	74.43 2.60 -28.56
UPPER RAQUET___HYD 24056	54.58 -1.51 0.00	46.55 -1.39 0.00	48.01 -1.33 0.00	45.06 -1.30 0.00	46.16 -1.33 0.00	52.52 -2.47 0.00	56.06 -2.83 0.00	54.95 -2.47 0.00	58.01 -2.80 0.00	52.07 -2.45 0.00	54.07 -2.25 0.00	51.11 -2.08 0.00	47.67 -1.83 0.00	48.00 -1.79 0.00	47.72 -1.83 0.00	50.35 -1.77 0.00	54.19 -2.08 0.00	54.68 -2.58 0.00	53.96 -2.60 0.00	53.84 -2.42 0.00	49.00 -2.20 0.00	50.80 -2.12 -6.72	47.18 -1.66 -6.21	42.23 -1.04 0.00
VALLEY44_115KV_TB2 355964	55.17 -5.78 -4.86	49.15 -4.79 -6.00	49.22 -4.98 -4.87	47.18 -4.59 -5.42	48.47 -4.75 -5.73	55.50 -4.45 -4.96	63.47 -4.24 -8.82	61.00 -4.08 -7.66	61.15 -4.44 -4.78	55.02 -3.98 -4.48	51.72 -5.24 -0.63	49.14 -4.89 -0.85	45.44 -4.65 -0.60	46.21 -4.08 -0.50	45.84 -4.26 -0.55	49.13 -3.75 -0.76	54.13 -3.83 -1.68	54.78 -5.44 -2.96	52.04 -5.09 -0.57	53.92 -3.32 -0.98	50.04 -3.07 -1.90	44.63 -3.56 -1.98	40.32 -3.58 -1.26	40.22 -4.59 -1.54
VALLEY___115KV_TB 1-4 80826	58.28 2.19 0.00	49.76 1.82 0.00	51.16 1.83 0.00	48.02 1.67 0.00	49.24 1.76 0.00	57.25 2.25 0.00	61.42 2.53 0.00	59.94 2.53 0.00	63.61 2.80 0.00	57.03 2.51 0.00	58.81 2.48 0.00	55.47 2.29 0.00	51.63 2.13 0.00	51.89 2.09 0.00	51.59 2.03 0.00	54.21 2.08 0.00	58.58 2.31 0.00	59.72 2.46 0.00	58.77 2.21 0.00	58.40 2.14 0.00	53.00 1.79 0.00	47.77 1.57 0.00	44.01 1.36 0.00	44.61 1.34 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	72.23 4.21 -11.93	66.23 3.55 -14.74	64.85 3.55 -11.96	63.00 3.34 -13.31	65.04 3.47 -14.08	71.47 4.29 -12.18	85.58 5.01 -21.69	88.82 5.17 -26.24	85.56 5.53 -19.22	72.57 4.91 -13.14	66.62 4.68 -5.62	61.87 4.15 -4.54	58.83 3.66 -5.67	58.15 3.64 -4.72	58.26 3.52 -5.19	63.81 3.91 -7.78	73.04 4.61 -12.16	83.35 5.10 -20.99	79.19 4.81 -17.82	74.27 4.73 -13.28	69.01 4.05 -13.76	63.10 3.56 -13.34	54.09 3.07 -8.38	56.55 2.99 -10.30

VISCHER___FERRY HYD 24020	92.88 2.80 -33.99	92.32 2.40 -41.98	85.87 2.47 -34.07	86.58 2.32 -37.91	90.02 2.42 -40.11	92.60 2.91 -34.70	123.72 3.06 -61.77	135.34 2.93 -75.00	119.01 3.34 -54.86	95.08 2.94 -37.62	74.56 2.98 -15.24	68.93 2.82 -12.93	67.48 2.62 -15.36	65.23 2.64 -12.80	66.24 2.62 -14.06	75.98 2.81 -21.05	92.34 2.98 -33.09	117.51 3.09 -57.17	108.98 3.05 -49.37	95.77 2.98 -36.53	91.32 2.66 -37.45	84.90 2.36 -36.34	67.67 2.22 -22.81	73.46 2.16 -28.03
V_A_10_SYNC_DSASP 323832	54.97 -4.77 -3.65	48.56 -3.88 -4.50	48.95 -4.04 -3.65	46.67 -3.75 -4.07	47.94 -3.84 -4.30	55.31 -3.41 -3.72	62.10 -3.42 -6.63	60.75 -4.19 -7.52	60.76 -4.74 -4.69	54.72 -4.25 -4.45	51.60 -5.35 -0.63	48.55 -5.48 -0.84	45.09 -5.00 -0.59	44.86 -5.43 -0.49	44.90 -5.20 -0.54	46.79 -6.10 -0.77	51.34 -6.47 -1.54	55.09 -4.87 -2.70	53.03 -5.03 -1.50	50.96 -6.64 -1.34	47.11 -5.84 -1.75	42.96 -4.94 -1.70	40.11 -3.62 -1.09	41.05 -3.55 -1.33
V_CMM_10_SYNC_DSASP 323787	55.25 -0.84 0.00	47.17 -0.77 0.00	48.60 -0.74 0.00	45.61 -0.74 0.00	46.72 -0.76 0.00	53.56 -1.43 0.00	57.12 -1.77 0.00	55.75 -1.67 0.00	58.99 -1.82 0.00	52.94 -1.58 0.00	55.09 -1.24 0.00	52.17 -1.01 0.00	48.66 -0.84 0.00	49.00 -0.80 0.00	48.71 -0.84 0.00	51.29 -0.84 0.00	55.15 -1.13 0.00	55.60 -1.66 0.00	54.98 -1.58 0.00	54.97 -1.29 0.00	50.08 -1.13 0.00	45.19 -1.02 0.00	41.74 -0.90 0.00	42.53 -0.74 0.00
V_CMP_10_SYNC_DSASP 323788	55.42 -0.67 0.00	47.32 -0.62 0.00	48.84 -0.49 0.00	45.70 -0.65 0.00	46.63 -0.85 0.00	53.29 -1.71 0.00	56.12 -2.77 0.00	54.95 -2.47 0.00	58.07 -2.74 0.00	52.12 -2.40 0.00	54.19 -2.14 0.00	51.43 -1.75 0.00	48.11 -1.39 0.00	48.55 -1.24 0.00	48.37 -1.19 0.00	50.93 -1.20 0.00	54.53 -1.74 0.00	54.80 -2.46 0.00	53.85 -2.71 0.00	53.51 -2.76 0.00	48.59 -2.61 0.00	0.24 -2.50 43.47	0.14 -2.30 40.20	41.71 -1.56 0.00
V_D_10_SYNC_DSASP 323841	55.48 -0.62 0.00	47.37 -0.57 0.00	48.80 -0.54 0.00	45.84 -0.51 0.00	46.92 -0.57 0.00	53.73 -1.26 0.00	57.30 -1.59 0.00	55.99 -1.43 0.00	59.23 -1.58 0.00	53.16 -1.36 0.00	55.26 -1.07 0.00	52.28 -0.90 0.00	48.76 -0.74 0.00	49.10 -0.70 0.00	48.81 -0.74 0.00	51.44 -0.68 0.00	55.32 -0.96 0.00	55.83 -1.43 0.00	55.15 -1.41 0.00	55.14 -1.12 0.00	50.18 -1.02 0.00	46.44 -0.92 -1.16	42.90 -0.81 -1.07	42.70 -0.56 0.00
V_E_10_SYNC_DSASP 323830	70.28 5.66 -8.53	63.22 4.75 -10.53	62.67 4.78 -8.55	60.46 4.59 -9.51	62.40 4.85 -10.06	70.24 6.54 -8.70	82.22 7.83 -15.50	84.64 8.15 -19.07	83.23 8.21 -14.22	70.51 6.65 -9.34	68.04 5.75 -5.97	61.57 4.95 -3.44	59.70 4.11 -6.09	58.95 4.08 -5.07	59.14 4.01 -5.57	65.40 4.85 -8.43	75.04 6.30 -12.46	85.98 7.27 -21.45	80.08 6.78 -16.73	75.58 6.36 -12.96	70.63 5.32 -14.10	64.41 4.44 -13.77	54.87 3.67 -8.56	57.38 3.59 -10.52
V_F_30_NSYNC___DSASP 323816	94.06 3.42 -34.55	93.59 2.97 -42.68	86.98 3.01 -34.63	87.72 2.83 -38.54	91.26 2.99 -40.78	93.95 3.69 -35.27	125.74 4.06 -62.79	137.61 3.96 -76.24	120.96 4.38 -55.77	96.52 3.76 -38.24	75.54 3.72 -15.50	69.79 3.45 -13.15	68.28 3.17 -15.61	65.99 3.19 -13.01	67.02 3.17 -14.29	77.01 3.49 -21.39	93.73 3.83 -33.63	119.43 4.07 -58.11	110.75 4.02 -50.18	97.22 3.83 -37.13	92.65 3.38 -38.07	86.11 2.96 -36.94	68.56 2.73 -23.19	74.31 2.55 -28.49
V_F_30_SYNC_DSASP 323786	92.55 2.64 -33.82	91.98 2.25 -41.78	85.66 2.42 -33.91	86.36 2.27 -37.73	89.69 2.28 -39.92	92.27 2.75 -34.53	123.31 2.94 -61.47	134.58 2.53 -74.64	118.20 2.80 -54.60	94.46 2.51 -37.44	74.26 2.76 -15.17	68.61 2.55 -12.87	67.16 2.38 -15.29	64.92 2.39 -12.73	65.98 2.43 -13.99	75.41 2.35 -20.94	91.51 2.31 -32.93	116.38 2.23 -56.89	107.89 2.21 -49.13	94.81 2.19 -36.35	90.52 2.05 -37.27	84.36 1.99 -36.17	67.15 1.79 -22.71	73.13 1.95 -27.91
V_XM_10_SYNC_DSASP 323789	55.42 -0.67 0.00	47.32 -0.62 0.00	48.84 -0.49 0.00	45.70 -0.65 0.00	46.63 -0.85 0.00	53.29 -1.71 0.00	56.12 -2.77 0.00	54.95 -2.47 0.00	58.07 -2.74 0.00	52.12 -2.40 0.00	54.19 -2.14 0.00	51.43 -1.75 0.00	48.11 -1.39 0.00	48.55 -1.24 0.00	48.37 -1.19 0.00	50.93 -1.20 0.00	54.53 -1.74 0.00	54.80 -2.46 0.00	53.85 -2.71 0.00	53.51 -2.76 0.00	48.59 -2.61 0.00	0.24 -2.50 43.47	0.14 -2.30 40.20	41.71 -1.56 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	86.28 3.93 -26.26	83.73 3.36 -32.44	79.06 3.40 -26.32	78.89 3.24 -29.29	81.80 3.32 -30.99	85.76 3.96 -26.81	111.27 4.65 -47.73	120.47 4.71 -58.34	109.74 5.05 -43.89	90.05 4.47 -31.06	73.12 4.28 -12.51	68.04 3.99 -10.87	65.80 3.66 -12.64	64.11 3.64 -10.68	64.49 3.52 -11.42	72.73 3.80 -16.80	86.67 4.33 -26.06	108.23 4.81 -46.16	102.03 4.69 -40.77	89.42 4.61 -28.55	84.64 4.10 -29.34	78.00 3.70 -28.10	63.47 3.20 -17.63	67.78 2.86 -21.66
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	87.93 4.66 -27.19	85.46 3.93 -33.58	80.54 3.95 -27.25	80.43 3.75 -30.33	83.47 3.89 -32.09	87.37 4.62 -27.75	113.97 5.54 -49.54	130.50 5.51 -67.57	140.25 5.96 -73.48	129.74 5.29 -69.93	94.50 5.18 -32.99	93.16 4.79 -35.19	88.21 4.41 -34.31	87.03 4.38 -32.85	80.96 4.31 -27.10	89.16 4.64 -32.40	102.42 5.18 -40.97	117.99 5.61 -55.12	113.46 5.49 -51.41	97.31 5.40 -35.64	93.87 4.81 -37.85	79.97 4.30 -29.47	64.74 3.80 -18.30	69.15 3.46 -22.42
W50THST__13_KV_LOAD 356117	88.21 4.94 -27.19	85.70 4.17 -33.58	80.79 4.19 -27.25	80.67 3.99 -30.33	83.66 4.08 -32.09	87.64 4.89 -27.75	114.32 5.89 -49.54	130.90 5.91 -67.57	140.68 6.38 -73.48	130.12 5.67 -69.93	94.89 5.58 -32.99	93.54 5.16 -35.19	88.61 4.80 -34.31	87.38 4.73 -32.85	81.31 4.66 -27.10	89.52 5.00 -32.40	102.82 5.57 -40.97	118.34 5.96 -55.12	113.80 5.83 -51.41	97.65 5.74 -35.64	94.18 5.12 -37.85	80.25 4.57 -29.47	64.99 4.05 -18.30	69.37 3.68 -22.42
WADING RIVER_IC_1 23522	110.28 6.28 -47.90	100.97 5.32 -47.71	94.44 5.38 -39.72	90.87 5.10 -39.42	98.83 5.27 -46.07	109.38 5.83 -48.56	114.60 6.30 -49.41	140.85 6.43 -77.00	128.18 6.69 -60.68	112.48 6.32 -51.64	101.91 7.78 -37.80	94.50 7.34 -33.97	80.23 6.64 -24.10	78.39 6.67 -21.92	96.14 6.79 -39.79	102.10 7.09 -42.89	128.48 7.15 -65.06	156.92 7.50 -92.16	157.62 7.30 -93.76	149.46 6.64 -86.56	121.48 5.99 -64.29	108.47 6.00 -56.26	85.24 5.97 -36.63	78.02 5.84 -28.92
WADING RIVER_IC_2 23547	110.28 6.28 -47.90	100.97 5.32 -47.71	94.44 5.38 -39.72	90.87 5.10 -39.42	98.83 5.27 -46.07	109.38 5.83 -48.56	114.60 6.30 -49.41	140.85 6.43 -77.00	128.18 6.69 -60.68	112.48 6.32 -51.64	101.91 7.78 -37.80	94.50 7.34 -33.97	80.23 6.64 -24.10	78.39 6.67 -21.92	96.14 6.79 -39.79	102.10 7.09 -42.89	128.48 7.15 -65.06	156.92 7.50 -92.16	157.62 7.30 -93.76	149.46 6.64 -86.56	121.48 5.99 -64.29	108.47 6.00 -56.26	85.24 5.97 -36.63	78.02 5.84 -28.92
WADING RIVER_IC_3 23601	110.28 6.28 -47.90	100.97 5.32 -47.71	94.44 5.38 -39.72	90.87 5.10 -39.42	98.83 5.27 -46.07	109.38 5.83 -48.56	114.60 6.30 -49.41	140.85 6.43 -77.00	128.18 6.69 -60.68	112.48 6.32 -51.64	101.91 7.78 -37.80	94.50 7.34 -33.97	80.23 6.64 -24.10	78.39 6.67 -21.92	96.14 6.79 -39.79	102.10 7.09 -42.89	128.48 7.15 -65.06	156.92 7.50 -92.16	157.62 7.30 -93.76	149.46 6.64 -86.56	121.48 5.99 -64.29	108.47 6.00 -56.26	85.24 5.97 -36.63	78.02 5.84 -28.92

WALDENNY_12_KV_BK2 80841	55.12 -5.33 -4.35	48.96 -4.36 -5.38	49.11 -4.59 -4.36	46.95 -4.26 -4.86	48.26 -4.37 -5.14	55.59 -3.85 -4.44	63.03 -3.77 -7.91	59.03 -4.36 -5.98	59.34 -4.86 -3.40	53.90 -4.47 -3.85	51.35 -5.52 -0.55	48.21 -5.48 -0.51	44.92 -5.10 -0.52	44.95 -5.28 -0.43	44.93 -5.10 -0.47	47.35 -5.42 -0.65	52.02 -5.74 -1.49	54.62 -5.27 -2.63	50.85 -5.20 0.50	51.11 -5.57 -0.42	47.72 -5.17 -1.69	43.31 -4.57 -1.68	39.28 -4.43 -1.08	40.35 -4.24 -1.32
WALDEN___HYDRO 24148	86.36 3.87 -26.40	83.82 3.26 -32.61	79.11 3.31 -26.47	78.96 3.15 -29.45	81.88 3.23 -31.16	85.85 3.90 -26.95	111.53 4.65 -47.99	120.30 4.59 -58.29	108.40 4.86 -42.72	88.01 4.14 -29.35	72.11 3.94 -11.83	66.84 3.62 -10.04	64.74 3.32 -11.92	62.97 3.24 -9.93	63.69 3.22 -10.92	72.01 3.54 -16.34	86.13 4.16 -25.69	106.73 4.70 -44.77	100.04 4.64 -38.84	89.15 4.50 -28.39	84.36 4.05 -29.11	78.04 3.60 -28.23	63.35 2.98 -17.72	67.77 2.73 -21.78
WARRENSBURG___ 23737	94.27 3.54 -34.64	93.75 3.02 -42.79	87.17 3.11 -34.73	87.92 2.92 -38.64	91.45 3.08 -40.88	94.26 3.90 -35.36	126.38 4.53 -62.96	138.39 4.53 -76.44	121.65 4.92 -55.91	97.00 4.14 -38.34	75.86 4.00 -15.54	70.09 3.72 -13.18	68.52 3.37 -15.65	66.22 3.39 -13.04	67.26 3.37 -14.33	77.38 3.80 -21.45	94.16 4.16 -33.72	119.99 4.47 -58.26	111.40 4.53 -50.31	97.71 4.22 -37.23	93.06 3.69 -38.17	86.43 3.19 -37.04	68.74 2.86 -23.25	74.43 2.60 -28.56
WATERSIDE___6 8 9 23538	88.28 4.99 -27.20	85.81 4.27 -33.60	80.85 4.24 -27.27	80.72 4.03 -30.34	83.72 4.13 -32.10	87.71 4.95 -27.77	114.12 5.59 -49.63	135.00 5.57 -72.01	157.75 6.02 -90.92	153.27 5.34 -93.41	110.54 5.41 -48.80	110.65 5.00 -52.47	101.78 4.60 -47.67	100.95 4.58 -46.58	90.78 4.51 -36.72	98.82 4.85 -41.85	114.12 5.40 -52.45	121.19 5.84 -58.09	113.77 5.77 -51.44	114.12 5.63 -52.23	108.58 5.07 -52.31	80.44 4.53 -29.71	64.99 4.01 -18.34	69.42 3.72 -22.43
WATKINRD_115KV_LN8_ILLION 55919	57.94 1.85 0.00	49.48 1.53 0.00	50.87 1.53 0.00	47.79 1.44 0.00	49.01 1.52 0.00	56.86 1.87 0.00	61.01 2.12 0.00	59.54 2.12 0.00	63.06 2.25 0.00	56.54 2.02 0.00	58.30 1.97 0.00	54.99 1.81 0.00	51.13 1.63 0.00	51.39 1.59 0.00	51.14 1.59 0.00	53.79 1.67 0.00	58.19 1.91 0.00	59.32 2.06 0.00	58.48 1.92 0.00	58.12 1.86 0.00	52.79 1.59 0.00	47.59 1.39 0.00	43.88 1.24 0.00	44.48 1.21 0.00
WATSON___69_KV_BK 1 55734	110.84 6.84 -47.90	101.50 5.85 -47.71	94.93 5.87 -39.72	91.34 5.56 -39.42	99.26 5.70 -46.07	110.38 6.82 -48.56	115.95 7.66 -49.41	142.23 7.81 -77.00	129.70 8.21 -60.68	113.41 7.25 -51.64	101.68 7.55 -37.80	94.17 7.02 -33.97	80.03 6.43 -24.10	78.19 6.47 -21.92	95.84 6.49 -39.79	101.95 6.93 -42.89	128.99 7.65 -65.06	157.67 8.25 -92.16	158.41 8.09 -93.76	150.65 7.82 -86.56	122.51 7.01 -64.29	108.84 6.38 -56.26	84.84 5.76 -36.44	77.45 5.49 -28.69
WDELAWARE___HYD 323627	84.15 3.54 -24.53	81.11 2.88 -30.29	76.88 2.96 -24.59	76.49 2.78 -27.36	79.33 2.90 -28.95	83.55 3.52 -25.04	107.88 4.42 -44.57	115.84 4.31 -54.12	104.90 4.50 -39.59	85.30 3.65 -27.13	70.64 3.32 -10.99	65.49 2.98 -9.33	61.96 1.38 -11.08	60.32 1.29 -9.23	60.98 1.29 -10.14	68.92 1.62 -15.18	82.39 2.25 -23.87	101.29 2.81 -41.23	94.99 2.83 -35.60	85.25 2.64 -26.35	81.91 3.69 -27.01	75.61 3.19 -26.22	61.87 2.64 -16.58	65.89 2.25 -20.37
WEST BABYLON___IC 23714	110.45 6.45 -47.90	101.11 5.47 -47.71	94.59 5.53 -39.72	91.01 5.24 -39.42	98.93 5.37 -46.07	109.99 6.43 -48.56	115.66 7.36 -49.41	141.89 7.46 -77.00	129.40 7.91 -60.68	113.14 6.98 -51.64	101.17 7.04 -37.80	93.64 6.49 -33.97	79.64 6.04 -24.10	77.74 6.03 -21.92	95.35 6.00 -39.79	101.43 6.41 -42.89	128.48 7.15 -65.06	157.15 7.73 -92.16	157.90 7.58 -93.76	150.20 7.37 -86.56	122.10 6.61 -64.29	108.43 5.96 -56.26	84.41 5.33 -36.44	77.02 5.06 -28.69
WEST CANADA___HYD 24049	56.93 0.84 0.00	48.61 0.67 0.00	50.03 0.69 0.00	47.00 0.65 0.00	48.15 0.66 0.00	55.87 0.88 0.00	59.89 1.00 0.00	58.39 0.98 0.00	61.84 1.03 0.00	55.44 0.93 0.00	57.17 0.85 0.00	53.93 0.74 0.00	50.19 0.69 0.00	50.49 0.70 0.00	50.20 0.64 0.00	52.85 0.73 0.00	57.12 0.85 0.00	58.17 0.91 0.00	57.46 0.90 0.00	57.11 0.85 0.00	51.92 0.72 0.00	46.85 0.65 0.00	43.19 0.55 0.00	43.83 0.56 0.00
WESTERN_NY_WIND 24143	55.68 -4.21 -3.80	49.13 -3.50 -4.69	49.49 -3.65 -3.81	47.25 -3.34 -4.24	48.55 -3.42 -4.48	56.18 -2.69 -3.88	63.37 -2.41 -6.90	60.53 -3.10 -6.21	61.11 -3.71 -4.01	54.62 -3.49 -3.59	52.30 -4.62 -0.59	49.24 -4.73 -0.79	45.51 -4.55 -0.56	45.34 -4.93 -0.47	45.51 -4.56 -0.52	47.79 -5.06 -0.73	52.67 -5.12 -1.52	56.43 -3.49 -2.66	54.10 -3.68 -1.22	52.45 -5.01 -1.19	48.26 -4.66 -1.72	44.01 -3.88 -1.68	39.75 -3.97 -1.08	41.34 -3.25 -1.32
WESTOVER___LESR 323668	64.73 -0.17 -8.81	58.73 -0.10 -10.88	58.02 -0.15 -8.83	56.09 -0.09 -9.83	57.79 -0.09 -10.40	64.37 0.38 -9.00	75.67 0.77 -16.01	77.34 0.69 -19.23	75.60 0.67 -14.12	64.62 0.49 -9.61	60.84 0.56 -3.95	57.03 0.37 -3.47	53.73 0.25 -3.98	53.36 0.25 -3.32	53.45 0.25 -3.65	57.94 0.36 -5.46	65.69 0.73 -8.69	73.30 1.03 -15.01	71.05 1.02 -13.47	66.98 0.90 -9.82	61.71 0.67 -9.84	56.13 0.51 -9.42	48.93 0.30 -5.99	50.89 0.26 -7.36
WETHRSFD_WT_PWR 323626	56.73 -4.38 -5.01	50.54 -3.60 -6.19	50.61 -3.75 -5.02	48.42 -3.52 -5.59	49.84 -3.56 -5.91	56.98 -3.13 -5.12	65.05 -2.94 -9.11	57.45 -3.39 -3.41	55.88 -3.89 1.04	55.80 -3.54 -4.82	51.82 -4.67 -0.17	47.31 -4.57 1.30	45.20 -4.41 -0.10	45.36 -4.53 -0.09	45.19 -4.46 -0.10	47.54 -4.64 -0.06	52.52 -4.67 -0.92	54.56 -4.35 -1.66	43.10 -4.35 9.10	47.88 -4.73 3.66	47.89 -4.35 -1.04	43.20 -3.97 -0.97	39.65 -3.67 -0.68	40.46 -3.63 -0.83
WHAVSTOR_138KV_BK127 55557	86.08 3.70 -26.29	83.58 3.16 -32.47	78.94 3.26 -26.35	78.78 3.11 -29.32	81.64 3.13 -31.02	85.57 3.74 -26.83	111.03 4.36 -47.78	120.25 4.42 -58.41	109.50 4.74 -43.95	89.89 4.25 -31.12	72.91 4.06 -12.53	67.85 3.78 -10.89	65.63 3.46 -12.66	63.93 3.44 -10.70	64.31 3.32 -11.44	72.54 3.60 -16.82	86.48 4.11 -26.10	108.01 4.52 -46.23	101.88 4.47 -40.85	89.18 4.33 -28.58	84.47 3.89 -29.37	77.80 3.47 -28.13	63.31 3.03 -17.64	67.67 2.73 -21.68
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	86.08 3.70 -26.29	83.58 3.16 -32.47	78.94 3.26 -26.35	78.78 3.11 -29.32	81.64 3.13 -31.02	85.57 3.74 -26.83	111.03 4.36 -47.78	120.25 4.42 -58.41	109.50 4.74 -43.95	89.89 4.25 -31.12	72.91 4.06 -12.53	67.85 3.78 -10.89	65.63 3.46 -12.66	63.93 3.44 -10.70	64.31 3.32 -11.44	72.54 3.60 -16.82	86.48 4.11 -26.10	108.01 4.52 -46.23	101.88 4.47 -40.85	89.18 4.33 -28.58	84.47 3.89 -29.37	77.80 3.47 -28.13	63.31 3.03 -17.64	67.67 2.73 -21.68
WHITEHAL_115KV_TB1 80871	95.29 4.60 -34.60	94.62 3.93 -42.74	88.07 4.05 -34.69	88.80 3.85 -38.60	92.41 4.08 -40.84	95.49 5.17 -35.32	127.84 6.07 -62.89	139.74 5.97 -76.35	123.17 6.51 -55.85	98.21 5.40 -38.30	77.03 5.18 -15.52	71.19 4.84 -13.17	69.49 4.36 -15.64	67.20 4.38 -13.03	68.23 4.36 -14.31	78.50 4.95 -21.43	95.42 5.46 -33.69	121.35 5.90 -58.20	112.75 5.94 -50.26	99.02 5.57 -37.19	94.15 4.81 -38.13	87.32 4.11 -37.00	69.55 3.67 -23.24	75.20 3.37 -28.55

WHITEPLN_13_KV_LOAD 356215	87.91 4.71 -27.11	85.46 4.03 -33.49	80.61 4.09 -27.18	80.44 3.85 -30.24	83.42 3.94 -31.99	87.40 4.73 -27.67	113.76 5.59 -49.27	123.68 5.80 -60.46	113.16 6.20 -46.15	93.12 5.40 -33.20	75.01 5.35 -13.33	69.79 4.89 -11.71	67.54 4.55 -13.49	65.80 4.53 -11.48	66.12 4.46 -12.10	74.57 4.80 -17.65	88.87 5.40 -27.20	111.93 5.90 -48.78	105.90 5.77 -43.57	91.55 5.63 -29.66	86.79 5.07 -30.52	79.66 4.44 -29.02	64.72 3.88 -18.20	69.17 3.55 -22.36
WM_FLOYD_69_KV_BK2 356380	110.56 6.56 -47.90	101.40 5.75 -47.71	94.83 5.77 -39.72	91.29 5.52 -39.42	99.07 5.51 -46.07	109.94 6.38 -48.56	115.19 6.89 -49.41	141.54 7.12 -77.00	128.91 7.42 -60.68	112.92 6.76 -51.64	101.85 7.72 -37.80	94.33 7.18 -33.97	80.13 6.53 -24.10	78.24 6.52 -21.92	95.99 6.64 -39.79	102.05 7.04 -42.89	128.76 7.43 -65.06	157.32 7.90 -92.16	158.01 7.69 -93.76	150.08 7.26 -86.56	122.00 6.50 -64.29	108.75 6.28 -56.26	85.01 5.93 -36.44	77.67 5.71 -28.69
WOODARD__115KV_TB2 355635	57.47 -1.07 -2.45	50.06 -0.91 -3.02	50.85 -0.94 -2.45	48.20 -0.88 -2.73	49.47 -0.90 -2.89	56.83 -0.66 -2.50	62.87 -0.47 -4.45	62.36 -0.46 -5.40	64.21 -0.55 -3.95	56.62 -0.60 -2.71	56.52 -0.90 -1.10	53.10 -1.01 -0.93	49.61 -0.99 -1.10	49.67 -1.05 -0.92	49.63 -0.94 -1.01	52.59 -1.04 -1.51	57.68 -0.96 -2.37	60.78 -0.57 -4.09	59.47 -0.62 -3.53	57.97 -0.90 -2.61	52.96 -0.92 -2.68	47.99 -0.83 -2.62	43.34 -0.94 -1.64	44.46 -0.82 -2.01
YORK___WARBASSE 23770	88.56 5.27 -27.20	86.00 4.46 -33.60	81.04 4.44 -27.27	80.86 4.17 -30.34	83.91 4.32 -32.10	87.87 5.11 -27.77	114.29 5.77 -49.63	135.29 5.86 -72.01	158.05 6.32 -90.92	153.54 5.62 -93.41	111.28 5.63 -49.32	111.21 5.21 -52.82	102.02 4.85 -47.67	101.15 4.78 -46.58	90.98 4.71 -36.72	99.03 5.06 -41.85	114.90 5.74 -52.89	127.86 6.24 -64.35	230.39 6.22 -167.61	121.63 6.08 -59.29	115.63 5.43 -58.99	80.68 4.76 -29.71	65.16 4.18 -18.34	69.64 3.94 -22.43