

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses														--- Marginal Cost of Congestion										07/16/2024	
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00		
59TH STREET_GT_1	24138	40.58	36.94	33.57	32.36	31.77	32.34	40.05	41.04	44.23	49.07	56.06	63.95	73.84	87.59	132.48	168.19	190.68	217.72	205.00	152.54	98.03	71.54	57.49	47.53		
		3.86	2.99	2.63	2.48	2.43	2.48	3.20	4.03	4.63	4.98	5.51	6.59	7.43	8.94	13.10	17.21	19.18	17.81	15.57	11.82	7.61	5.43	4.95	4.36		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	-0.65	-1.55	-17.02	-19.60	-21.72	-55.12	-57.42	-35.18	-19.36	-10.16	-2.06	0.00		
74TH STREET_GT_1	24260	40.70	36.98	33.63	32.42	31.80	32.34	40.06	41.04	44.20	48.98	56.00	63.83	73.65	87.28	132.07	167.67	190.07	217.29	204.61	152.33	97.81	71.48	57.49	47.57		
		3.97	3.02	2.69	2.54	2.46	2.48	3.21	4.03	4.59	4.89	5.46	6.48	7.23	8.63	12.69	16.69	18.57	17.38	15.18	11.61	7.39	5.37	4.95	4.40		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	-0.65	-1.55	-17.02	-19.60	-21.72	-55.12	-57.42	-35.18	-19.36	-10.16	-2.06	0.00		
74TH STREET_GT_2	24261	40.70	36.98	33.63	32.42	31.80	32.34	40.06	41.04	44.20	48.98	56.00	63.83	73.65	87.28	132.07	167.67	190.07	217.29	204.61	152.33	97.81	71.48	57.49	47.57		
		3.97	3.02	2.69	2.54	2.46	2.48	3.21	4.03	4.59	4.89	5.46	6.48	7.23	8.63	12.69	16.69	18.57	17.38	15.18	11.61	7.39	5.37	4.95	4.40		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	-0.65	-1.55	-17.02	-19.60	-21.72	-55.12	-57.42	-35.18	-19.36	-10.16	-2.06	0.00		
ADK HUDSON___FALLS	24011	39.70	36.47	33.14	31.97	31.39	31.98	39.50	39.82	42.64	47.75	54.44	62.11	74.33	90.30	187.12	229.72	259.38	454.02	644.55	437.79	264.22	174.23	78.14	46.75		
		2.98	2.51	2.20	2.09	2.05	2.12	2.65	2.81	3.05	3.66	3.89	4.76	5.66	6.24	8.50	10.51	12.28	12.60	12.67	10.13	7.03	5.60	4.69	3.58		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.91	-6.96	-76.26	-87.83	-97.32	-296.63	-499.87	-322.12	-186.13	-112.68	-22.96	0.00		
ADK RESOURCE___RCVRY	23798	39.96	36.70	33.32	32.12	31.54	32.16	39.76	40.08	42.92	48.10	54.79	62.57	74.85	90.74	187.57	230.00	260.06	454.83	645.93	439.08	265.35	175.20	78.71	47.06		
		3.23	2.75	2.38	2.24	2.20	2.30	2.91	3.07	3.33	4.01	4.25	5.22	6.25	6.86	9.41	11.42	13.49	13.90	13.99	11.18	7.82	6.21	5.15	3.89		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.84	-6.79	-75.80	-87.19	-96.79	-296.12	-499.93	-322.36	-186.47	-113.04	-23.08	0.00		
ADK S GLENS___FALLS	24028	39.70	36.47	33.14	31.97	31.39	31.98	39.50	39.82	42.64	47.75	54.44	62.11	74.33	90.30	187.12	229.72	259.38	454.02	644.55	437.79	264.22	174.23	78.14	46.75		
		2.98	2.51	2.20	2.09	2.05	2.12	2.65	2.81	3.05	3.66	3.89	4.76	5.66	6.24	8.50	10.51	12.28	12.60	12.67	10.13	7.03	5.60	4.69	3.58		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.91	-6.96	-76.26	-87.83	-97.32	-296.63	-499.87	-322.12	-186.13	-112.68	-22.96	0.00		
ADK_NYS___DAM	23527	39.41	36.13	32.98	31.82	31.27	31.80	39.21	39.64	42.16	46.91	53.83	61.31	74.91	92.96	188.16	233.79	259.40	424.80	565.81	381.33	225.66	147.40	70.44	46.28		
		2.68	2.18	2.04	1.94	1.94	1.94	2.36	2.63	2.57	2.82	3.28	3.95	4.87	5.63	7.88	10.25	11.69	11.15	10.03	7.81	5.18	3.97	3.38	3.11		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.28	-10.24	-77.92	-92.15	-97.93	-268.85	-423.78	-267.98	-149.42	-87.47	-16.58	0.00		
AIR_PRODUCTS___DRP	24190	38.09	35.04	31.99	30.90	30.33	30.85	38.03	38.34	40.94	45.55	52.16	58.96	60.83	63.04	72.31	87.08	118.22	138.67	162.72	143.14	113.58	98.29	64.04	44.90		
		1.36	1.09	1.05	1.02	1.00	0.99	1.18	1.33	1.35	1.45	1.62	1.61	1.84	2.16	3.38	4.34	4.79	4.49	3.70	2.74	1.71	1.29	1.46	1.73		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.78	16.21	33.42	48.65	36.35	10.62	-27.02	-34.85	-40.82	-41.05	-12.10	0.00		
AKWESSNE_115KV_BK	355683	35.11	34.09	30.90	29.82	29.17	29.82	35.72	35.53	37.93	42.19	48.43	58.06	63.91	73.39	97.19	125.60	137.87	132.73	125.67	100.47	67.65	53.21	48.16	41.05		
		-1.62	-1.15	-1.05	-0.99	-1.03	-1.05	-1.14	-1.48	-1.66	-1.90	-2.12	-2.70	-3.16	-3.62	-4.61	-5.78	-6.59	-6.37	-6.34	-5.07	-3.41	-2.74	-2.32	-2.12		
		0.00	-1.29	-1.02	-0.92	-0.86	-1.00	-0.01	0.00	0.00	0.00	-0.01	-3.40	-1.30	0.08	0.56	0.00	5.32	5.70	0.00	0.00	0.00	0.00	0.00	0.00		
ALBANY_1_SOLAR	323833	38.64	35.65	32.52	31.41	30.80	31.33	38.58	38.79	41.21	45.77	52.21	59.19	60.36	62.83	68.76	83.70	113.86	118.08	118.18	112.96	94.48	85.12	62.21	45.67		
		1.91	1.70	1.58	1.52	1.47	1.46	1.73	1.78	1.62	1.68	1.67	1.83	1.05	1.16	2.05	2.76	3.75	3.91	3.83	3.06	1.99	1.51	2.62	2.50		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.45	15.43	35.65	50.45	39.67	30.63	17.66	-4.36	-21.44	-27.65	-9.10	0.00		
ALBANY_2_SOLAR	323834	38.64	35.65	32.49	31.38	30.80	31.30	38.58	38.79	41.17	45.77	52.21	59.19	60.31	62.86	68.85	83.83	113.82	118.29	118.30	112.99	94.54	85.13	62.20	45.63		
		1.91	1.70	1.55	1.49	1.47	1.43	1.73	1.78	1.59	1.68	1.67	1.83	0.99	1.16	2.05	2.76	3.59	3.91	3.69	2.95	1.99	1.51	2.62	2.46		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	15.40	35.55	50.32	39.55	30.42	17.40	-4.50	-21.49	-27.66	-9.10	0.00		
ALBANY___1	23571	38.09	35.04	31.99	30.90	30.33	30.85	38.03	38.34	40.94	45.55	52.16	58.96	60.83	63.04	72.31	87.08	118.22	138.67	162.72	143.14	113.58	98.29	64.04	44.90		
		1.36	1.09	1.05	1.02	1.00	0.99	1.18	1.33	1.35	1.45	1.62	1.61	1.84	2.16	3.38	4.34	4.79	4.49	3.70	2.74	1.71	1.29	1.46	1.73		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.78	16.21	33.42	48.65	36.35	10.62	-27.02	-34.85	-40.82	-41.05	-12.10	0.00		

ALBANY___2 23572	38.09 1.36 0.00	35.04 1.09 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.99 0.00	38.03 1.18 0.00	38.34 1.33 0.00	40.94 1.35 0.00	45.55 1.45 0.00	52.16 1.62 0.00	58.96 1.61 0.00	60.83 1.84 6.78	63.04 2.16 16.21	72.31 3.38 33.42	87.08 4.34 48.65	118.22 4.79 36.35	138.67 4.49 10.62	162.72 3.70 -27.02	143.14 2.74 -34.85	113.58 1.71 -40.82	98.29 1.29 -41.05	64.04 1.46 -12.10	44.90 1.73 0.00
ALBANY___3 23573	38.09 1.36 0.00	35.04 1.09 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.99 0.00	38.03 1.18 0.00	38.34 1.33 0.00	40.94 1.35 0.00	45.55 1.45 0.00	52.16 1.62 0.00	58.96 1.61 0.00	60.83 1.84 6.78	63.04 2.16 16.21	72.31 3.38 33.42	87.08 4.34 48.65	118.22 4.79 36.35	138.67 4.49 10.62	162.72 3.70 -27.02	143.14 2.74 -34.85	113.58 1.71 -40.82	98.29 1.29 -41.05	64.04 1.46 -12.10	44.90 1.73 0.00
ALBANY___4 23574	38.09 1.36 0.00	35.04 1.09 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.99 0.00	38.03 1.18 0.00	38.34 1.33 0.00	40.94 1.35 0.00	45.55 1.45 0.00	52.16 1.62 0.00	58.96 1.61 0.00	60.83 1.84 6.78	63.04 2.16 16.21	72.31 3.38 33.42	87.08 4.34 48.65	118.22 4.79 36.35	138.67 4.49 10.62	162.72 3.70 -27.02	143.14 2.74 -34.85	113.58 1.71 -40.82	98.29 1.29 -41.05	64.04 1.46 -12.10	44.90 1.73 0.00
ALBANY___LFGE 323615	38.53 1.80 0.00	35.45 1.49 0.00	32.33 1.39 0.00	31.23 1.35 0.00	30.66 1.32 0.00	31.18 1.31 0.00	38.43 1.58 0.00	38.79 1.78 0.00	41.41 1.82 0.00	46.16 2.07 0.00	52.82 2.28 0.00	59.87 2.52 0.00	69.29 2.89 -0.63	82.00 3.39 -1.52	148.95 5.01 -41.58	183.82 6.31 -46.13	211.12 7.19 -54.15	330.10 6.81 -178.50	433.96 5.80 -296.15	303.19 4.43 -193.22	188.86 2.91 -114.88	130.92 2.24 -72.73	67.98 2.22 -15.28	45.41 2.24 0.00
ALCOA_PA_115KV_PL-6C 55860	34.82 -1.91 0.00	34.69 -1.39 -2.13	31.34 -1.27 -1.67	30.20 -1.20 -1.52	29.49 -1.26 -1.42	30.26 -1.25 -1.65	35.47 -1.40 -0.02	35.27 -1.74 0.00	37.61 -1.98 0.00	41.89 -2.20 0.00	48.04 -2.53 -0.02	59.79 -3.15 -5.59	66.06 -3.62 -3.91	73.55 -4.24 -0.69	97.77 -5.42 -0.84	126.94 -6.70 -2.25	135.27 -7.64 6.87	129.50 -7.38 7.91	124.88 -7.13 0.00	99.74 -5.80 0.00	67.22 -3.84 0.00	52.87 -3.08 0.00	47.75 -2.73 0.00	40.71 -2.46 0.00
ALCOA_RYNLDS___DRP 24188	34.82 -1.91 0.00	34.69 -1.39 -2.13	31.34 -1.27 -1.67	30.20 -1.20 -1.52	29.49 -1.26 -1.42	30.26 -1.25 -1.65	35.47 -1.40 -0.02	35.27 -1.74 0.00	37.61 -1.98 0.00	41.89 -2.20 0.00	48.04 -2.53 -0.02	59.79 -3.15 -5.59	66.06 -3.62 -3.91	73.55 -4.24 -0.69	97.77 -5.42 -0.84	126.94 -6.70 -2.25	135.27 -7.64 6.87	129.50 -7.38 7.91	124.88 -7.13 0.00	99.74 -5.80 0.00	67.22 -3.84 0.00	52.87 -3.08 0.00	47.75 -2.73 0.00	40.71 -2.46 0.00
ALCOA___DSASP 323711	34.82 -1.91 0.00	34.69 -1.39 -2.13	31.34 -1.27 -1.67	30.20 -1.20 -1.52	29.49 -1.26 -1.42	30.26 -1.25 -1.65	35.47 -1.40 -0.02	35.27 -1.74 0.00	37.61 -1.98 0.00	41.89 -2.20 0.00	48.14 -2.43 -0.02	59.85 -3.10 -5.59	66.06 -3.62 -3.91	73.55 -4.24 -0.69	97.77 -5.43 -0.84	126.94 -6.70 -2.25	135.28 -7.63 6.87	129.51 -7.38 7.91	124.88 -7.13 0.00	99.74 -5.80 0.00	67.15 -3.91 0.00	52.87 -3.08 0.00	47.75 -2.73 0.00	40.71 -2.46 0.00
ALLEGHENY___COGEN 23514	37.72 0.99 0.00	34.26 0.30 0.00	31.06 0.12 0.00	29.94 0.06 0.00	29.39 0.06 0.00	30.19 0.33 0.00	36.89 0.04 0.00	37.12 0.11 0.00	39.59 0.00 0.00	43.61 -0.48 0.00	49.64 -0.91 0.00	55.92 -1.43 0.00	59.19 -6.58 0.00	69.00 -8.09 0.00	92.13 -12.08 -1.85	117.75 -15.64 -2.00	135.60 -16.63 -2.45	137.03 -13.46 -5.69	123.60 -8.84 -0.43	101.42 -4.12 0.00	68.78 -2.28 0.00	54.50 -1.46 0.00	52.40 1.92 0.00	44.72 1.55 0.00
ALTAMONT_115KV_TB 2 55880	38.23 1.51 0.00	35.21 1.26 0.00	32.11 1.18 0.00	31.02 1.14 0.00	30.48 1.14 0.00	30.97 1.10 0.00	38.21 1.36 0.00	38.53 1.52 0.00	41.13 1.54 0.00	45.77 1.68 0.00	52.47 1.92 0.00	59.53 2.18 0.00	64.53 2.43 3.67	71.18 2.85 8.77	98.13 4.09 8.32	120.88 5.26 15.76	148.99 5.99 6.79	186.29 5.79 -35.70	210.00 5.15 -72.84	166.35 4.01 -56.80	118.69 2.63 -45.00	94.74 2.07 -36.72	62.21 2.02 -9.71	45.07 1.90 0.00
ALTONA_WT_PWR 323606	35.22 -1.51 0.00	32.84 -1.12 0.00	29.95 -0.99 0.00	28.96 -0.93 0.00	28.31 -1.03 0.00	28.88 -0.98 0.00	35.78 -1.07 0.00	35.64 -1.37 0.00	38.04 -1.54 0.00	42.55 -1.54 0.00	49.03 -1.52 0.00	54.09 -3.27 0.00	58.60 -4.54 2.62	68.75 -5.25 3.10	88.88 -6.86 6.62	114.25 -8.68 8.46	132.99 -9.73 7.06	129.91 -9.41 5.48	122.76 -9.24 0.00	98.15 -7.39 0.00	65.87 -5.18 0.00	52.37 -3.58 0.00	48.11 -2.37 0.00	40.71 -2.46 0.00
AMERICAN_REF_FUEL 24010	36.18 -0.55 0.00	32.94 -1.02 0.00	29.80 -1.14 0.00	28.87 -1.02 0.00	28.37 -0.97 0.00	29.12 -0.75 0.00	35.04 -1.80 0.00	35.08 -1.93 0.00	38.13 -1.46 0.00	42.64 -1.45 0.00	48.77 -1.77 0.00	54.77 -2.58 0.00	63.01 -2.76 0.00	73.93 -3.16 0.00	97.15 -6.86 -1.65	122.39 -10.77 -1.78	139.52 -12.43 -2.17	138.41 -11.44 -5.06	123.94 -8.45 -0.38	101.32 -4.22 0.00	68.50 -2.56 0.00	54.89 -1.06 0.00	49.82 -0.66 0.00	43.04 -0.13 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	37.76 1.03 0.00	34.26 0.30 0.00	30.97 0.03 0.00	29.91 0.03 0.00	29.42 0.09 0.00	30.19 0.33 0.00	36.52 -0.33 0.00	37.01 0.00 0.00	40.26 0.67 0.00	45.06 0.97 0.00	51.76 1.21 0.00	58.27 0.91 0.00	67.15 1.38 0.00	79.03 1.93 0.00	104.16 -0.10 -1.90	131.33 -2.11 -2.06	149.74 -2.55 -2.51	148.47 -2.17 -5.84	132.58 0.13 -0.44	107.86 2.32 0.00	72.90 1.84 0.00	58.13 2.18 0.00	52.55 2.07 0.00	45.16 1.99 0.00
ARTHUR KILL_GT_1 23520	43.75 3.93 -3.09	37.02 3.06 -0.01	33.67 2.72 -0.01	32.46 2.57 -0.01	31.87 2.52 -0.01	32.31 2.45 0.00	39.91 3.06 0.00	40.86 3.85 0.00	43.95 4.35 -0.01	47.13 4.41 1.37	47.11 4.75 8.18	49.22 5.91 14.04	58.82 6.58 13.52	72.10 7.71 12.71	112.81 11.36 0.91	142.56 14.58 3.41	160.87 16.33 5.24	173.18 15.34 -13.04	156.27 13.33 -10.93	136.41 9.92 -20.95	81.42 6.40 -3.97	59.04 4.87 1.77	48.37 4.54 6.66	46.35 4.27 1.09
ARTHUR_KILL_2 23512	43.57 3.75 -3.09	36.88 2.92 -0.01	33.58 2.63 -0.01	32.34 2.45 -0.01	31.78 2.43 -0.01	32.22 2.36 0.00	39.80 2.95 0.00	40.71 3.70 0.00	43.79 4.19 -0.01	46.91 4.19 1.37	46.86 4.50 8.18	48.94 5.62 14.04	58.49 6.25 13.52	71.72 7.33 12.71	112.30 10.84 0.91	141.90 13.92 3.41	160.12 15.58 5.24	172.32 14.48 -13.04	155.49 12.55 -10.93	135.78 9.29 -20.95	80.99 5.97 -3.97	58.77 4.59 1.77	48.11 4.29 6.66	46.13 4.06 1.09
ARTHUR_KILL_3 23513	43.34 3.53 -3.08	36.57 2.61 0.00	33.23 2.29 0.00	32.00 2.12 0.00	31.42 2.08 0.00	31.95 2.09 0.00	39.58 2.73 0.00	40.56 3.55 0.00	43.68 4.08 -0.02	46.92 4.19 1.36	46.92 4.55 8.18	48.88 5.56 14.03	58.43 6.18 13.51	71.80 7.40 12.70	112.42 10.96 0.90	142.44 14.45 3.40	160.73 16.18 5.23	172.91 15.06 -13.05	156.02 13.07 -10.94	136.41 9.92 -20.95	81.35 6.32 -3.97	58.66 4.48 1.76	47.97 4.14 6.65	45.80 3.71 1.09

ARTHUR_KILL_COGEN 323718	43.75	37.02	33.67	32.46	31.87	32.31	39.91	40.86	43.95	47.13	47.11	49.22	58.82	72.10	112.81	142.56	160.87	173.18	156.27	136.41	81.42	59.04	48.37	46.35
	3.93	3.06	2.72	2.57	2.52	2.45	3.06	3.85	4.35	4.41	4.75	5.91	6.58	7.71	11.36	14.58	16.33	15.34	13.33	9.92	6.40	4.87	4.54	4.27
	-3.09	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	1.37	8.18	14.04	13.52	12.71	0.91	3.41	5.24	-13.04	-10.93	-20.95	-3.97	1.77	6.66	1.09
ASHOKAN____ 23654	40.04	36.64	33.35	32.18	31.59	32.04	39.61	39.82	42.32	47.09	53.88	61.14	67.16	73.77	91.30	114.03	142.80	149.87	141.22	123.84	93.13	78.43	59.81	47.23
	3.31	2.68	2.41	2.30	2.26	2.18	2.77	2.81	2.73	3.00	3.34	3.78	5.72	7.01	10.14	13.54	16.03	16.21	15.17	11.82	5.55	2.85	2.93	4.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.32	10.34	21.19	30.89	23.02	11.14	5.97	-6.48	-16.52	-19.62	-6.40	0.00
ASTORIA_EAST_ENERGY_CC1 323581	40.30	36.88	33.55	32.31	31.75	32.13	39.58	40.63	43.84	48.23	54.93	62.68	72.26	85.58	129.92	165.18	187.37	214.54	202.10	150.32	96.67	70.58	56.78	47.32
	3.56	2.92	2.60	2.42	2.41	2.27	2.73	3.63	4.24	4.14	4.40	5.33	5.85	6.94	10.55	14.19	15.87	14.62	12.67	9.60	6.25	4.48	4.24	4.14
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	-0.01	0.01	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_EAST_ENERGY_CC2 323582	40.30	36.88	33.55	32.31	31.75	32.13	39.58	40.63	43.84	48.23	54.93	62.68	72.26	85.58	129.92	165.18	187.37	214.54	202.10	150.32	96.67	70.58	56.78	47.32
	3.56	2.92	2.60	2.42	2.41	2.27	2.73	3.63	4.24	4.14	4.40	5.33	5.85	6.94	10.55	14.19	15.87	14.62	12.67	9.60	6.25	4.48	4.24	4.14
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	-0.01	0.01	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT2_1 24094	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT2_2 24095	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT2_3 24096	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT2_4 24097	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT3_1 24098	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT3_2 24099	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT3_3 24100	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT3_4 24101	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT4_1 24102	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT4_2 24103	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01
ASTORIA_GT4_3 24104	40.26	36.88	33.55	32.34	31.75	32.13	39.61	40.64	43.88	48.24	55.04	62.62	72.26	85.65	129.92	165.30	187.38	214.69	202.24	150.32	96.67	70.75	56.78	47.36
	3.53	2.92	2.60	2.45	2.41	2.27	2.76	3.63	4.28	4.14	4.50	5.28	5.85	7.02	10.54	14.32	15.88	14.77	12.80	9.60	6.25	4.64	4.24	4.19
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.01	-0.64	-1.54	-17.02	-19.60	-21.72	-55.12	-57.42	-35.17	-19.36	-10.15	-2.06	-0.01

ASTORIA_GT4_4 24105	40.26 3.53 -0.01	36.88 2.92 -0.01	33.55 2.60 -0.01	32.34 2.45 -0.01	31.75 2.41 -0.01	32.13 2.27 0.00	39.61 2.76 0.00	40.64 3.63 0.00	43.88 4.28 -0.02	48.24 4.14 0.00	55.04 4.50 0.01	62.62 5.28 0.01	72.26 5.85 -0.64	85.65 7.02 -1.54	129.92 10.54 -17.02	165.30 14.32 -19.60	187.38 15.88 -21.72	214.69 14.77 -55.12	202.24 12.80 -57.42	150.32 9.60 -35.17	96.67 6.25 -19.36	70.75 4.64 -10.15	56.78 4.24 -2.06	47.36 4.19 -0.01
ASTORIA_GT_1 23523	40.41 3.67 -0.01	36.98 3.02 -0.01	33.64 2.69 -0.01	32.40 2.51 -0.01	31.81 2.46 -0.01	32.22 2.36 0.00	39.69 2.84 0.00	40.74 3.74 0.01	43.95 4.35 -0.01	48.36 4.28 0.01	55.09 4.55 0.01	62.85 5.51 0.01	72.52 6.12 -0.64	85.88 7.24 -1.54	130.22 10.84 -17.02	165.69 14.71 -19.60	187.98 16.48 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.75 10.03 -35.17	96.95 6.53 -19.36	70.81 4.70 -10.15	56.98 4.44 -2.06	47.49 4.32 -0.01
ASTORIA_GT_10 24110	40.52 3.78 -0.01	36.85 2.89 -0.01	33.51 2.57 0.00	32.30 2.42 0.00	31.68 2.35 0.00	32.19 2.33 0.00	39.80 2.95 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.46 4.36 0.00	55.19 4.65 0.01	62.91 5.56 0.01	72.59 6.18 -0.64	85.96 7.32 -1.54	130.33 10.95 -17.02	165.43 14.45 -19.60	187.68 16.18 -21.72	214.83 14.91 -55.12	202.37 12.94 -57.42	150.42 9.71 -35.17	96.60 6.18 -19.36	70.64 4.53 -10.15	56.73 4.19 -2.06	47.27 4.10 0.00
ASTORIA_GT_11 24225	40.52 3.78 -0.01	36.85 2.89 -0.01	33.51 2.57 0.00	32.30 2.42 0.00	31.68 2.35 0.00	32.19 2.33 0.00	39.80 2.95 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.46 4.36 0.00	55.19 4.65 0.01	62.91 5.56 0.01	72.59 6.18 -0.64	85.96 7.32 -1.54	130.33 10.95 -17.02	165.43 14.45 -19.60	187.68 16.18 -21.72	214.83 14.91 -55.12	202.37 12.94 -57.42	150.42 9.71 -35.17	96.60 6.18 -19.36	70.64 4.53 -10.15	56.73 4.19 -2.06	47.27 4.10 0.00
ASTORIA_GT_12 24226	40.52 3.78 -0.01	36.85 2.89 -0.01	33.51 2.57 0.00	32.30 2.42 0.00	31.68 2.35 0.00	32.19 2.33 0.00	39.80 2.95 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.46 4.36 0.00	55.19 4.65 0.01	62.91 5.56 0.01	72.59 6.18 -0.64	85.96 7.32 -1.54	130.33 10.95 -17.02	165.43 14.45 -19.60	187.68 16.18 -21.72	214.83 14.91 -55.12	202.37 12.94 -57.42	150.42 9.71 -35.17	96.60 6.18 -19.36	70.64 4.53 -10.15	56.73 4.19 -2.06	47.27 4.10 0.00
ASTORIA_GT_13 24227	40.52 3.78 -0.01	36.85 2.89 -0.01	33.51 2.57 0.00	32.30 2.42 0.00	31.68 2.35 0.00	32.19 2.33 0.00	39.80 2.95 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.46 4.36 0.00	55.19 4.65 0.01	62.91 5.56 0.01	72.59 6.18 -0.64	85.96 7.32 -1.54	130.33 10.95 -17.02	165.43 14.45 -19.60	187.68 16.18 -21.72	214.83 14.91 -55.12	202.37 12.94 -57.42	150.42 9.71 -35.17	96.60 6.18 -19.36	70.64 4.53 -10.15	56.73 4.19 -2.06	47.27 4.10 0.00
ASTORIA_GT_5 24106	40.37 3.64 -0.01	36.98 3.02 -0.01	33.61 2.66 -0.01	32.40 2.51 -0.01	31.81 2.46 -0.01	32.19 2.33 0.00	39.69 2.84 0.00	40.75 3.74 0.00	43.96 4.35 -0.02	48.37 4.28 0.00	55.19 4.65 0.01	62.79 5.45 0.01	72.45 6.05 -0.64	85.89 7.25 -1.54	130.22 10.85 -17.02	165.70 14.72 -19.60	187.98 16.48 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.74 10.03 -35.17	96.88 6.47 -19.36	70.92 4.81 -10.15	56.98 4.44 -2.06	47.49 4.32 -0.01
ASTORIA_GT_7 24107	40.37 3.64 -0.01	36.98 3.02 -0.01	33.61 2.66 -0.01	32.40 2.51 -0.01	31.81 2.46 -0.01	32.19 2.33 0.00	39.69 2.84 0.00	40.75 3.74 0.00	43.96 4.35 -0.02	48.37 4.28 0.00	55.19 4.65 0.01	62.79 5.45 0.01	72.45 6.05 -0.64	85.89 7.25 -1.54	130.22 10.85 -17.02	165.70 14.72 -19.60	187.98 16.48 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.74 10.03 -35.17	96.88 6.47 -19.36	70.92 4.81 -10.15	56.98 4.44 -2.06	47.49 4.32 -0.01
ASTORIA_GT_8 24108	40.37 3.64 -0.01	36.98 3.02 -0.01	33.61 2.66 -0.01	32.40 2.51 -0.01	31.81 2.46 -0.01	32.19 2.33 0.00	39.69 2.84 0.00	40.75 3.74 0.00	43.96 4.35 -0.02	48.37 4.28 0.00	55.19 4.65 0.01	62.79 5.45 0.01	72.45 6.05 -0.64	85.89 7.25 -1.54	130.22 10.85 -17.02	165.70 14.72 -19.60	187.98 16.48 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.74 10.03 -35.17	96.88 6.47 -19.36	70.92 4.81 -10.15	56.98 4.44 -2.06	47.49 4.32 -0.01
ASTORIA___2 24149	40.30 3.56 -0.01	36.92 2.95 -0.01	33.58 2.63 -0.01	32.34 2.45 -0.01	31.75 2.41 -0.01	32.16 2.30 0.00	39.61 2.77 0.00	40.63 3.63 0.01	43.87 4.28 -0.01	48.23 4.14 0.01	54.93 4.40 0.01	62.68 5.33 0.01	72.33 5.92 -0.64	85.65 7.01 -1.54	129.92 10.55 -17.02	165.30 14.32 -19.60	187.37 15.87 -21.72	214.70 14.78 -55.12	202.23 12.80 -57.42	150.32 9.60 -35.17	96.74 6.32 -19.36	70.63 4.53 -10.15	56.83 4.29 -2.06	47.36 4.19 -0.01
ASTORIA___3 23516	40.56 3.82 -0.01	36.88 2.92 -0.01	33.51 2.57 0.00	32.27 2.39 0.00	31.71 2.38 0.00	32.19 2.33 0.00	39.80 2.95 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.46 4.37 0.00	55.09 4.55 0.01	62.97 5.62 0.01	72.66 6.25 -0.64	85.97 7.33 -1.54	130.33 10.96 -17.02	165.43 14.45 -19.60	187.68 16.18 -21.72	214.84 14.92 -55.12	202.37 12.94 -57.42	150.42 9.70 -35.17	96.67 6.25 -19.36	70.58 4.48 -10.15	56.78 4.24 -2.06	47.27 4.10 0.00
ASTORIA___4 23517	40.52 3.78 -0.01	36.85 2.89 -0.01	33.51 2.57 0.00	32.30 2.42 0.00	31.68 2.35 0.00	32.19 2.33 0.00	39.80 2.95 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.46 4.36 0.00	55.19 4.65 0.01	62.91 5.56 0.01	72.59 6.18 -0.64	85.96 7.32 -1.54	130.33 10.95 -17.02	165.43 14.45 -19.60	187.68 16.18 -21.72	214.83 14.91 -55.12	202.37 12.94 -57.42	150.42 9.71 -35.17	96.60 6.18 -19.36	70.64 4.53 -10.15	56.73 4.19 -2.06	47.27 4.10 0.00
ASTORIA___5 23518	40.56 3.82 -0.01	36.88 2.92 -0.01	33.51 2.57 0.00	32.27 2.39 0.00	31.71 2.38 0.00	32.19 2.33 0.00	39.80 2.95 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.46 4.37 0.00	55.09 4.55 0.01	62.97 5.62 0.01	72.66 6.25 -0.64	85.97 7.33 -1.54	130.33 10.96 -17.02	165.43 14.45 -19.60	187.68 16.18 -21.72	214.84 14.92 -55.12	202.37 12.94 -57.42	150.42 9.70 -35.17	96.67 6.25 -19.36	70.58 4.48 -10.15	56.78 4.24 -2.06	47.27 4.10 0.00
AST_ENERGY_2_CC3 323677	40.33 3.60 0.00	36.67 2.72 0.00	33.35 2.41 0.00	32.12 2.24 0.00	31.54 2.20 0.00	32.07 2.21 0.00	39.69 2.84 0.00	40.64 3.63 0.00	43.76 4.16 -0.02	48.46 4.37 0.00	55.29 4.75 0.00	63.14 5.79 0.00	72.92 6.51 -0.65	86.43 7.78 -1.55	130.84 11.46 -17.02	166.08 15.10 -19.60	188.27 16.77 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.07 10.35 -35.18	97.10 6.68 -19.36	70.87 4.75 -10.16	56.88 4.34 -2.06	47.10 3.93 0.00
AST_ENERGY_2_CC4 323678	40.33 3.60 0.00	36.67 2.72 0.00	33.35 2.41 0.00	32.12 2.24 0.00	31.54 2.20 0.00	32.07 2.21 0.00	39.69 2.84 0.00	40.64 3.63 0.00	43.76 4.16 -0.02	48.46 4.37 0.00	55.29 4.75 0.00	63.14 5.79 0.00	72.92 6.51 -0.65	86.43 7.78 -1.55	130.84 11.46 -17.02	166.08 15.10 -19.60	188.27 16.77 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.07 10.35 -35.18	97.10 6.68 -19.36	70.87 4.75 -10.16	56.88 4.34 -2.06	47.10 3.93 0.00

ATHENS_STG_1 23668	38.53 1.80 0.00	35.38 1.43 0.00	32.27 1.33 0.00	31.17 1.28 0.00	30.62 1.29 0.00	31.12 1.25 0.00	38.40 1.55 0.00	38.82 1.81 0.00	41.53 1.94 0.00	46.16 2.07 0.00	52.87 2.33 0.00	60.22 2.87 0.00	69.05 3.29 0.00	80.95 3.85 0.00	118.89 5.42 -11.12	150.49 7.09 -12.02	172.53 8.08 -14.67	192.13 7.38 -39.95	169.52 6.60 -30.92	129.82 5.07 -19.21	86.01 3.34 -11.61	65.79 2.52 -7.32	54.36 2.27 -1.60	45.24 2.07 0.00
ATHENS_STG_2 23670	38.53 1.80 0.00	35.38 1.43 0.00	32.27 1.33 0.00	31.17 1.28 0.00	30.62 1.29 0.00	31.12 1.25 0.00	38.40 1.55 0.00	38.82 1.81 0.00	41.53 1.94 0.00	46.16 2.07 0.00	52.87 2.33 0.00	60.22 2.87 0.00	69.05 3.29 0.00	80.95 3.85 0.00	118.89 5.42 -11.12	150.49 7.09 -12.02	172.53 8.08 -14.67	192.13 7.38 -39.95	169.52 6.60 -30.92	129.82 5.07 -19.21	86.01 3.34 -11.61	65.79 2.52 -7.32	54.36 2.27 -1.60	45.24 2.07 0.00
ATHENS_STG_3 23677	38.53 1.80 0.00	35.38 1.43 0.00	32.27 1.33 0.00	31.17 1.28 0.00	30.62 1.29 0.00	31.12 1.25 0.00	38.40 1.55 0.00	38.82 1.81 0.00	41.53 1.94 0.00	46.16 2.07 0.00	52.87 2.33 0.00	60.22 2.87 0.00	69.05 3.29 0.00	80.95 3.85 0.00	118.89 5.42 -11.12	150.49 7.09 -12.02	172.53 8.08 -14.67	192.13 7.38 -39.95	169.52 6.60 -30.92	129.82 5.07 -19.21	86.01 3.34 -11.61	65.79 2.52 -7.32	54.36 2.27 -1.60	45.24 2.07 0.00
AUBURN___LFGE 323710	38.92 0.66 -1.53	35.22 0.37 -0.89	31.65 0.25 -0.46	30.37 0.18 -0.31	29.80 0.23 -0.23	30.52 0.36 -0.30	38.88 0.37 -1.66	38.52 0.59 -0.91	42.02 0.67 -1.76	46.95 0.88 -1.97	54.12 1.06 -2.51	61.83 1.38 -3.10	71.61 1.51 -4.33	85.07 1.85 -6.12	111.37 1.84 -7.17	142.70 1.97 -9.34	161.02 2.55 -8.69	155.11 3.33 -6.98	142.94 3.56 -7.37	115.06 3.27 -6.24	78.01 2.27 -4.68	60.87 1.79 -3.13	54.31 1.46 -2.37	46.24 1.04 -2.03
BABYLON_RES_REC 323704	54.70 3.78 -14.19	52.42 2.95 -15.51	44.29 2.72 -10.63	41.46 2.60 -8.98	40.26 2.55 -8.37	40.69 2.60 -8.23	42.90 3.28 -2.77	45.38 3.92 -4.45	47.55 4.47 -3.49	50.61 4.76 -1.76	56.38 5.10 -0.73	88.75 6.14 -25.26	88.31 7.04 -15.51	117.95 8.48 -32.38	169.90 12.28 -55.27	250.53 16.16 -102.99	295.13 18.12 -127.23	356.08 17.08 -194.20	303.23 15.31 -155.92	233.98 11.82 -116.62	107.27 7.39 -28.83	84.21 5.49 -22.77	62.36 4.85 -7.03	57.62 4.32 -10.13
BABYLON__69_KV_BK2 356345	55.77 4.85 -14.19	53.37 3.90 -15.51	45.00 3.43 -10.63	42.15 3.29 -8.98	40.93 3.23 -8.37	41.35 3.26 -8.23	43.75 4.13 -2.77	46.27 4.81 -4.45	48.54 5.46 -3.49	51.76 5.91 -1.76	59.34 6.52 -2.27	99.10 7.80 -33.95	99.64 8.94 -24.93	141.18 10.72 -53.37	182.85 15.25 -65.24	256.79 19.84 -105.56	295.38 22.47 -123.13	357.37 21.29 -191.29	305.70 19.14 -154.55	241.11 14.99 -120.58	129.15 9.38 -48.71	104.90 7.11 -41.84	65.05 6.21 -8.36	66.08 5.44 -17.48
BALL_HILL_WT_PWR 323825	37.28 0.55 0.00	33.89 -0.07 0.00	30.66 -0.28 0.00	29.64 -0.24 0.00	29.19 -0.15 0.00	29.92 0.06 0.00	36.15 -0.70 0.00	36.53 -0.48 0.00	39.71 0.12 0.00	44.44 0.35 0.00	51.00 0.45 0.00	57.47 0.11 0.00	66.10 0.33 0.00	77.79 0.69 0.00	102.55 -1.64 -1.83	129.43 -3.94 -1.98	147.56 -4.64 -2.42	146.38 -4.05 -5.64	130.72 -1.72 -0.43	106.38 0.84 0.00	71.84 0.78 0.00	57.29 1.34 0.00	51.84 1.36 0.00	44.55 1.38 0.00
BARON_WINDS___WT_PWR 323822	37.62 0.51 -0.38	34.19 -0.03 -0.27	30.94 -0.15 -0.15	29.84 -0.15 -0.11	29.33 -0.09 -0.09	30.03 0.06 -0.11	36.86 -0.40 -0.41	37.05 -0.18 -0.23	40.26 0.24 -0.43	45.06 0.49 -0.49	51.72 0.56 -0.62	58.70 0.46 -0.88	67.30 0.33 -1.21	78.95 0.23 -1.62	105.06 -1.74 -4.45	133.64 -3.02 -5.27	152.39 -2.85 -5.46	152.47 -1.59 -9.27	134.67 0.26 -2.39	108.77 1.68 -1.54	73.63 1.42 -1.16	58.18 1.45 -0.77	52.37 1.31 -0.58	44.75 1.08 -0.50
BARRETT_IC_1 23704	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_10 23701	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_11 23702	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_12 23703	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_2 23705	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_3 23706	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_4 23707	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82

BARRETT_IC_5 23708	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_6 23709	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_7 23710	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.77 -4.45	47.27 4.20 -3.49	50.26 4.41 -1.76	55.40 4.85 0.00	84.08 5.79 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.07 14.85 -83.83	265.01 16.78 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	96.95 6.54 -19.36	74.62 4.98 -13.69	61.83 4.95 -6.40	53.34 4.36 -5.81
BARRETT_IC_8 23711	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT_IC_9 23700	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT___1 23545	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BARRETT___2 23546	54.81 3.89 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.40 2.54 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.71 3.10 -2.77	45.24 3.78 -4.45	47.27 4.19 -3.49	50.26 4.41 -1.76	55.29 4.75 0.00	84.20 5.91 -20.93	80.53 6.58 -8.19	89.25 7.71 -4.45	148.63 11.36 -34.91	230.06 14.84 -83.83	265.00 16.77 -98.45	334.16 15.64 -173.72	292.05 13.73 -146.32	227.52 10.55 -111.43	97.02 6.61 -19.35	74.62 4.98 -13.69	61.78 4.90 -6.41	53.34 4.36 -5.82
BATAVIA__115KV_TB1 55881	37.72 0.99 0.00	34.23 0.27 0.00	31.03 0.09 0.00	29.82 -0.06 0.00	29.39 0.06 0.00	30.19 0.33 0.00	36.55 -0.29 0.00	36.97 -0.04 0.00	40.02 0.44 0.00	44.62 0.53 0.00	51.00 0.45 0.00	56.84 -0.52 0.00	65.17 -0.59 0.00	76.56 -0.54 0.00	99.39 -2.97 0.00	125.87 -5.52 0.00	143.64 -6.14 0.00	139.88 -4.92 0.00	129.50 -2.51 0.00	105.65 0.11 0.00	71.20 0.14 0.00	57.69 1.73 0.00	52.09 1.62 0.00	44.81 1.64 0.00
BAYONEEC___CTG1 323682	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG10 323750	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG2 323683	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG3 323684	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG4 323685	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG5 323686	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG6 323687	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09

BAYONEEC___CTG7 323688	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG8 323689	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BAYONEEC___CTG9 323749	40.37 3.64 0.00	36.70 2.75 0.00	33.35 2.41 0.00	32.15 2.27 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	48.36 4.80 6.99	49.11 5.79 14.03	58.76 6.51 13.51	72.18 7.78 12.70	112.92 11.46 0.90	143.09 15.10 3.40	161.47 16.92 5.23	173.49 15.64 -13.05	156.68 13.73 -10.94	136.95 10.45 -20.95	81.71 6.68 -3.97	58.94 4.75 1.76	48.22 4.39 6.65	46.01 3.93 1.09
BEACON___LESR 323632	38.67 1.95 0.00	35.58 1.63 0.00	32.45 1.52 0.00	31.32 1.43 0.00	30.77 1.44 0.00	31.30 1.43 0.00	38.62 1.77 0.00	38.97 1.96 0.00	41.57 1.98 0.00	46.34 2.25 0.00	52.97 2.43 0.00	60.05 2.70 0.00	56.38 3.09 12.48	50.88 3.62 29.84	21.47 5.52 86.41	22.02 7.09 116.45	58.25 8.23 99.76	20.89 7.96 131.87	7.96 6.99 131.04	56.31 5.27 54.51	77.92 3.41 -3.45	87.82 2.63 -29.24	65.51 2.67 -12.35	45.76 2.59 0.00
BEAVER RIVER___HYD 24048	36.52 -1.10 -0.89	29.98 -1.05 2.92	27.48 -1.02 2.44	26.44 -1.17 2.27	26.15 -1.03 2.16	26.35 -1.02 2.50	36.90 -0.88 -0.94	36.76 -0.78 -0.53	39.42 -1.19 -1.02	43.74 -1.50 -1.15	50.16 -1.82 -1.43	47.81 -2.30 7.25	54.57 -2.57 8.63	37.87 -3.09 36.14	18.86 -4.10 79.40	22.73 -5.26 103.40	72.63 -5.54 71.61	88.90 -4.64 51.26	133.00 -3.30 -4.29	107.28 -1.90 -3.63	73.07 -0.71 -2.72	57.26 -0.50 -1.82	51.00 -0.86 -1.38	43.36 -0.99 -1.18
BEEBEE_GT_13 23619	37.28 0.55 0.00	34.02 0.07 0.00	30.85 -0.09 0.00	29.70 -0.18 0.00	29.22 -0.12 0.00	29.92 0.06 0.00	36.52 -0.33 0.00	36.90 -0.11 0.00	39.83 0.24 0.00	44.44 0.35 0.00	50.90 0.35 0.00	57.76 0.40 0.00	66.16 0.39 0.00	77.71 0.62 0.00	101.64 -0.72 0.00	129.42 -1.97 0.00	147.69 -2.10 0.00	143.50 -1.30 0.00	131.74 -0.26 0.00	106.70 1.16 0.00	71.84 0.78 0.00	57.13 1.17 0.00	51.49 1.01 0.00	44.12 0.95 0.00
BENSHRST_27_KV_BENSHRST_1 355998	83.96 4.30 -42.93	37.26 3.29 -0.01	33.86 2.91 -0.01	32.64 2.75 -0.01	32.04 2.70 -0.01	32.49 2.63 0.00	40.24 3.39 0.00	41.26 4.26 0.00	44.44 4.83 -0.02	49.07 4.98 0.00	56.05 5.51 0.00	80.46 6.60 -16.51	76.26 7.30 -3.19	87.28 8.63 -1.55	131.96 12.59 -17.02	167.01 16.03 -19.60	189.47 17.97 -21.72	216.57 16.65 -55.12	204.08 14.65 -57.42	151.69 10.98 -35.17	97.45 7.03 -19.36	76.50 5.54 -15.01	76.18 5.10 -20.61	47.92 4.75 0.00
BETHLEHEM___GRP 23843	38.09 1.36 0.00	35.04 1.09 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.99 0.00	38.03 1.18 0.00	38.34 1.33 0.00	40.94 1.35 0.00	45.55 1.45 0.00	52.16 1.62 0.00	58.96 1.61 0.00	60.83 1.84 6.78	63.04 2.16 16.21	72.31 3.38 33.42	87.08 4.34 48.65	118.22 4.79 36.35	138.67 4.49 10.62	162.72 3.70 -27.02	143.14 2.74 -34.85	113.58 1.71 -40.82	98.29 1.29 -41.05	64.04 1.46 -12.10	44.90 1.73 0.00
BETHLEHEM___GS1 323560	38.09 1.36 0.00	35.07 1.12 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.98 0.00	38.03 1.18 0.00	38.38 1.37 0.00	40.94 1.35 0.00	45.54 1.45 0.00	52.11 1.57 0.00	58.96 1.60 0.00	60.83 1.84 6.78	63.04 2.16 16.21	72.31 3.37 33.42	87.07 4.33 48.65	118.22 4.79 36.35	138.67 4.49 10.62	162.72 3.69 -27.02	143.13 2.74 -34.85	113.65 1.78 -40.82	98.29 1.29 -41.05	64.04 1.46 -12.10	44.90 1.73 0.00
BETHLEHEM___GS2 323561	38.09 1.36 0.00	35.07 1.12 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.98 0.00	38.03 1.18 0.00	38.38 1.37 0.00	40.94 1.35 0.00	45.54 1.45 0.00	52.11 1.57 0.00	58.96 1.60 0.00	60.83 1.84 6.78	63.04 2.16 16.21	72.31 3.37 33.42	87.07 4.33 48.65	118.22 4.79 36.35	138.67 4.49 10.62	162.72 3.69 -27.02	143.13 2.74 -34.85	113.65 1.78 -40.82	98.29 1.29 -41.05	64.04 1.46 -12.10	44.90 1.73 0.00
BETHLEHEM___GS3 323562	38.09 1.36 0.00	35.07 1.12 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.98 0.00	38.03 1.18 0.00	38.38 1.37 0.00	40.94 1.35 0.00	45.54 1.45 0.00	52.11 1.57 0.00	58.96 1.60 0.00	60.83 1.84 6.78	63.04 2.16 16.21	72.31 3.37 33.42	87.07 4.33 48.65	118.22 4.79 36.35	138.67 4.49 10.62	162.72 3.69 -27.02	143.13 2.74 -34.85	113.65 1.78 -40.82	98.29 1.29 -41.05	64.04 1.46 -12.10	44.90 1.73 0.00
BETHLEHEM___STEEL 23779	37.21 0.48 0.00	33.79 -0.17 0.00	30.60 -0.34 0.00	29.46 -0.42 0.00	29.07 -0.26 0.00	29.83 -0.03 0.00	36.00 -0.85 0.00	36.34 -0.67 0.00	39.43 -0.16 0.00	44.13 0.04 0.00	50.60 0.05 0.00	57.24 -0.11 0.00	65.57 -0.20 0.00	77.10 0.00 0.00	101.69 -2.46 -1.79	128.20 -5.12 -1.94	146.31 -5.84 -2.37	145.10 -5.21 -5.51	129.52 -2.90 -0.42	105.54 0.00 0.00	71.20 0.14 0.00	56.96 1.01 0.00	51.64 1.16 0.00	44.38 1.21 0.00
BETHLHEM_115KV_TB1 79974	38.09 1.36 0.00	35.08 1.12 0.00	32.02 1.08 0.00	30.93 1.05 0.00	30.36 1.03 0.00	30.88 1.02 0.00	38.07 1.22 0.00	38.38 1.37 0.00	40.97 1.39 0.00	45.59 1.50 0.00	52.21 1.67 0.00	59.07 1.72 0.00	61.30 1.91 6.38	64.08 2.24 15.25	75.20 3.48 30.64	90.95 4.47 44.90	121.73 5.09 33.14	142.42 4.63 7.01	164.11 3.96 -28.14	143.00 2.96 -34.51	112.42 1.92 -39.44	96.67 1.45 -39.27	63.57 1.56 -11.52	44.94 1.77 0.00
BETHPAGE_CC_5 323564	54.81 3.89 -14.19	52.49 3.02 -15.51	44.35 2.79 -10.63	41.49 2.63 -8.98	40.32 2.61 -8.37	40.75 2.66 -8.23	42.94 3.32 -2.77	45.46 4.00 -4.45	47.59 4.51 -3.49	50.66 4.81 -1.76	56.01 5.26 -0.21	86.25 6.48 -22.42	86.33 7.43 -13.13	116.44 8.86 -30.48	171.70 12.90 -56.44	255.57 16.82 -107.36	306.43 19.02 -137.62	364.20 17.81 -201.60	307.22 15.83 -159.38	235.54 12.13 -117.87	100.73 7.61 -22.06	77.94 5.71 -16.28	62.01 4.95 -6.58	55.76 4.41 -8.19
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	37.28 0.55 0.00	33.82 -0.14 0.00	30.63 -0.31 0.00	29.49 -0.39 0.00	29.10 -0.23 0.00	29.86 0.00 0.00	36.04 -0.81 0.00	36.42 -0.59 0.00	39.55 -0.04 0.00	44.27 0.18 0.00	50.80 0.25 0.00	57.41 0.06 0.00	65.83 0.07 0.00	77.41 0.31 0.00	102.13 -2.05 -1.82	128.89 -4.47 -1.97	147.09 -5.09 -2.40	145.90 -4.49 -5.59	130.19 -2.24 -0.42	105.96 0.42 0.00	71.48 0.43 0.00	57.13 1.17 0.00	51.74 1.26 0.00	44.46 1.30 0.00

BINGHAMTON___COGEN 23790	38.33 0.92 -0.68	35.01 0.58 -0.48	31.64 0.43 -0.27	30.50 0.42 -0.20	29.99 0.50 -0.16	30.60 0.54 -0.20	38.07 0.48 -0.74	38.19 0.78 -0.41	41.32 0.95 -0.78	46.16 1.19 -0.88	53.08 1.42 -1.12	60.67 1.72 -1.60	69.85 1.91 -2.18	82.34 2.31 -2.93	112.05 2.25 -7.44	142.76 2.50 -8.88	161.86 3.00 -9.08	166.08 3.19 -18.10	155.26 3.56 -19.69	122.22 3.38 -13.30	81.84 2.34 -8.44	63.37 2.01 -5.40	54.08 1.67 -1.93	45.41 1.34 -0.91
BIXINCNT_115KV_LOAD 355685	37.28 0.55 0.00	33.62 -0.34 0.00	30.38 -0.56 0.00	29.28 -0.60 0.00	28.78 -0.56 0.00	29.56 -0.30 0.00	35.67 -1.18 0.00	36.38 -0.63 0.00	39.31 -0.28 0.00	44.31 0.22 0.00	50.90 0.35 0.00	57.47 0.11 0.00	65.83 0.07 0.00	77.56 0.46 0.00	102.46 -1.84 -1.95	129.28 -4.20 -2.10	148.01 -4.34 -2.57	146.86 -3.91 -5.98	131.01 -1.45 -0.45	106.39 0.84 0.00	71.77 0.71 0.00	57.24 1.29 0.00	51.69 1.21 0.00	44.08 0.91 0.00
BLACK RIVER___HYD 24047	37.28 -0.96 -1.51	31.55 -0.99 1.42	28.60 -0.99 1.35	27.50 -1.05 1.33	27.18 -0.85 1.30	27.54 -0.84 1.49	37.88 -0.59 -1.62	37.50 -0.41 -0.90	40.45 -0.87 -1.73	44.93 -1.10 -1.94	51.58 -1.41 -2.45	52.65 -1.72 2.99	60.67 -1.91 3.19	53.84 -2.24 21.02	48.98 -3.48 49.90	62.11 -4.33 64.94	101.42 -4.49 43.87	110.16 -3.61 31.03	137.30 -1.98 -7.26	111.17 -0.53 -6.15	75.74 0.07 -4.61	59.14 0.11 -3.08	52.40 -0.41 -2.33	44.48 -0.69 -2.00
BLACKRVR_115KV_TB2 79977	37.28 -0.95 -1.51	31.55 -0.98 1.42	28.60 -0.99 1.35	27.47 -1.08 1.33	27.18 -0.85 1.30	27.54 -0.84 1.49	37.88 -0.59 -1.62	37.50 -0.41 -0.90	40.45 -0.87 -1.73	44.93 -1.10 -1.94	51.58 -1.42 -2.45	52.71 -1.66 2.99	60.67 -1.91 3.19	53.84 -2.24 21.02	48.98 -3.48 49.90	62.11 -4.34 64.94	101.42 -4.49 43.87	110.15 -3.62 31.03	137.29 -1.98 -7.26	111.17 -0.53 -6.15	75.74 0.07 -4.61	59.14 0.11 -3.08	52.41 -0.40 -2.33	44.48 -0.69 -2.00
BLISS_WT_PWR 323608	37.13 0.40 0.00	33.45 -0.51 0.00	30.23 -0.71 0.00	29.23 -0.66 0.00	28.63 -0.70 0.00	29.38 -0.48 0.00	35.49 -1.36 0.00	36.16 -0.85 0.00	39.15 -0.43 0.00	44.22 0.13 0.00	50.70 0.15 0.00	57.07 -0.29 0.00	65.57 -0.20 0.00	77.33 0.23 0.00	102.05 -2.25 -1.95	128.89 -4.60 -2.10	147.55 -4.80 -2.57	146.43 -4.34 -5.98	130.61 -1.85 -0.45	106.18 0.64 0.00	71.70 0.64 0.00	57.01 1.06 0.00	51.54 1.06 0.00	43.90 0.73 0.00
BLUESTONE___WT_PWR 323821	39.89 2.57 -0.59	36.48 2.11 -0.41	32.93 1.76 -0.23	31.78 1.73 -0.17	31.41 1.94 -0.14	32.06 2.03 -0.17	40.33 2.84 -0.64	40.58 3.22 -0.35	43.47 3.21 -0.67	48.42 3.57 -0.76	55.55 4.05 -0.96	63.26 4.53 -1.37	73.04 5.39 -1.88	86.10 6.48 -2.52	119.22 7.99 -8.88	151.96 10.25 -10.32	173.29 12.43 -11.08	183.78 12.45 -26.53	178.18 12.28 -33.89	138.32 10.23 -22.55	92.00 6.97 -13.97	70.37 5.54 -8.88	57.51 4.44 -2.59	47.49 3.54 -0.78
BLUE_CIRC_CHEM_DRP 24182	38.31 1.58 0.00	35.31 1.36 0.00	32.24 1.30 0.00	31.14 1.26 0.00	30.57 1.23 0.00	31.06 1.19 0.00	38.29 1.44 0.00	38.49 1.48 0.00	40.97 1.39 0.00	45.55 1.45 0.00	52.11 1.57 0.00	59.07 1.72 0.00	60.26 0.66 6.16	63.05 0.69 14.74	70.64 1.33 33.04	86.12 1.84 47.10	115.47 2.25 36.56	122.16 2.32 24.95	123.35 2.11 10.77	115.27 1.58 -8.15	95.01 1.07 -22.89	84.76 0.84 -27.97	61.68 2.17 -9.03	45.24 2.07 0.00
BOC_GAS_DRP 24189	38.05 1.32 0.00	35.04 1.09 0.00	31.99 1.05 0.00	30.90 1.02 0.00	30.33 1.00 0.00	30.85 0.99 0.00	38.03 1.18 0.00	38.34 1.33 0.00	40.97 1.39 0.00	45.55 1.45 0.00	52.21 1.67 0.00	59.25 1.89 0.00	63.66 2.04 4.14	69.57 2.39 9.91	90.65 3.48 15.19	111.91 4.60 24.07	139.57 5.09 15.30	162.62 4.78 -13.04	170.47 4.09 -34.37	141.30 3.17 -32.59	104.89 2.06 -31.77	86.86 1.57 -29.34	60.53 1.72 -8.34	44.85 1.68 0.00
BOONVILLE_115KV_TB1 79983	37.70 0.55 -0.42	33.32 0.41 1.04	30.36 0.31 0.89	29.26 0.21 0.83	28.86 0.32 0.79	29.30 0.36 0.92	38.00 0.70 -0.45	38.15 0.89 -0.25	40.79 0.71 -0.49	45.39 0.75 -0.55	51.99 0.76 -0.68	55.45 0.63 2.53	63.73 0.85 2.89	91.77 1.00 -13.67	131.58 1.33 -27.89	168.10 1.71 -35.01	186.95 2.40 -34.77	176.01 2.61 -28.61	136.96 2.90 -2.05	109.91 2.64 -1.73	74.49 2.13 -1.30	58.66 1.85 -0.87	52.50 1.36 -0.66	44.68 0.95 -0.56
BORALEX_4TH_BRANCH 23824	39.37 2.64 0.00	36.13 2.17 0.00	32.95 2.01 0.00	31.82 1.94 0.00	31.27 1.94 0.00	31.80 1.94 0.00	39.21 2.36 0.00	39.56 2.55 0.00	42.16 2.57 0.00	46.91 2.82 0.00	53.88 3.34 0.00	61.31 3.96 0.00	74.85 4.80 -4.28	92.96 5.63 -10.24	188.16 7.88 -77.92	233.78 10.25 -92.15	259.40 11.68 -97.93	424.79 11.15 -268.85	565.82 10.03 -423.78	381.33 7.81 -267.98	225.66 5.19 -149.42	147.40 3.97 -87.47	70.44 3.38 -16.58	46.28 3.11 0.00
BOWLINE___1 23526	39.67 2.94 0.00	36.16 2.21 0.00	32.92 1.98 0.00	31.74 1.85 0.00	31.18 1.85 0.00	31.71 1.85 0.00	39.10 2.25 0.00	39.90 2.89 0.00	42.92 3.33 0.00	47.66 3.57 0.00	54.64 4.09 0.00	62.34 4.99 0.00	72.01 5.66 -0.59	85.21 6.70 -1.41	128.13 9.73 -16.05	162.71 12.88 -18.44	184.81 14.52 -20.50	210.50 13.47 -52.24	198.06 11.89 -54.17	147.73 8.97 -33.22	95.23 5.83 -18.35	69.15 4.20 -9.00	56.14 3.68 -1.97	46.45 3.28 0.00
BOWLINE___2 23595	39.60 2.87 0.00	36.13 2.18 0.00	32.92 1.98 0.00	31.71 1.82 0.00	31.18 1.85 0.00	31.71 1.85 0.00	39.06 2.21 0.00	39.82 2.81 0.00	42.87 3.28 0.00	47.57 3.48 0.00	54.54 3.99 0.00	62.23 4.87 0.00	71.88 5.52 -0.59	85.14 6.63 -1.41	127.93 9.52 -16.05	162.45 12.61 -18.45	184.53 14.24 -20.51	210.22 13.18 -52.24	197.81 11.62 -54.18	147.64 8.87 -33.23	95.16 5.75 -18.35	69.04 4.08 -9.00	56.09 3.64 -1.97	46.36 3.19 0.00
BRADY___115KV_TB2 356060	34.75 -1.98 0.00	20.13 -1.49 12.33	19.92 -1.33 9.68	19.85 -1.26 8.77	19.87 -1.26 8.21	19.02 -1.28 9.56	35.45 -1.29 0.11	35.38 -1.63 0.00	37.57 -2.02 0.00	41.75 -2.34 0.00	47.75 -2.68 0.11	21.52 -3.44 32.39	22.12 -3.95 39.70	35.88 -4.55 36.67	22.07 -5.83 74.45	22.20 -7.09 102.09	107.31 -7.94 34.53	125.42 -7.53 11.85	124.88 -7.13 0.00	99.95 -5.59 0.00	67.43 -3.62 0.00	52.99 -2.97 0.00	47.80 -2.68 0.00	40.67 -2.50 0.00
BRANSCOMB___SOLAR 323811	39.41 2.68 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.80 1.91 0.00	31.21 1.88 0.00	31.78 1.91 0.00	39.21 2.36 0.00	39.49 2.48 0.00	42.16 2.57 0.00	47.09 3.00 0.00	53.78 3.24 0.00	61.31 3.95 0.00	74.07 4.80 -3.51	90.88 5.39 -8.39	190.00 7.47 -80.17	233.87 9.33 -93.16	262.50 10.93 -101.79	456.79 11.15 -300.84	642.03 10.69 -499.34	434.23 8.55 -320.15	260.08 5.83 -183.19	170.26 4.59 -109.72	76.41 3.94 -21.99	46.36 3.19 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	55.55 4.63 -14.19	53.20 3.74 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.79 3.08 -8.37	41.23 3.14 -8.23	43.60 3.98 -2.77	46.13 4.66 -4.45	48.34 5.27 -3.49	51.50 5.64 -1.76	58.71 5.86 -2.30	102.05 6.77 -37.93	97.78 7.83 -24.19	134.30 9.33 -47.88	176.15 13.51 -60.29	248.54 17.47 -99.68	282.27 19.62 -112.87	347.17 18.39 -183.98	299.64 16.50 -151.13	234.52 12.88 -116.11	128.22 8.03 -49.13	104.29 6.10 -42.24	64.42 5.55 -8.39	85.20 4.96 -37.06



BRISTLHL_115KV_TB1 79998	39.86 -0.18 -3.32	35.64 -0.34 -2.02	31.64 -0.37 -1.07	30.22 -0.39 -0.73	29.54 -0.35 -0.56	30.27 -0.30 -0.71	40.01 -0.44 -3.60	38.73 -0.26 -1.98	43.16 -0.24 -3.81	48.19 -0.18 -4.28	55.78 -0.20 -5.44	64.17 -0.11 -6.93	75.27 -0.13 -9.64	88.81 -0.15 -11.87	114.26 -0.61 -12.52	146.89 -0.92 -16.42	164.20 -0.90 -15.31	156.51 -0.58 -12.29	147.85 -0.13 -15.98	119.29 0.21 -13.54	81.34 0.14 -10.14	62.89 0.17 -6.77	55.66 0.05 -5.13	47.53 -0.04 -4.40
BROOKHAVEN___DRP 24191	55.48 4.55 -14.20	53.10 3.63 -15.51	44.75 3.19 -10.63	41.88 3.02 -8.98	40.64 2.93 -8.37	41.08 2.99 -8.23	43.41 3.80 -2.77	45.98 4.52 -4.45	48.26 5.19 -3.49	51.27 5.42 -1.76	67.40 5.96 -10.89	137.77 7.17 -73.25	152.75 8.35 -78.63	263.79 9.95 -176.74	242.51 14.02 -126.13	274.99 17.87 -125.73	279.76 19.92 -110.06	345.47 18.68 -181.99	298.97 16.77 -150.20	259.70 13.40 -140.75	239.61 8.46 -160.09	211.17 6.55 -148.67	71.93 5.65 -15.79	57.53 4.75 -9.61
BROOKLYN_NAVY_YARD 23515	40.44 3.71 0.00	36.70 2.75 0.00	33.38 2.44 0.00	32.12 2.24 0.00	31.56 2.23 0.00	32.07 2.21 0.00	39.73 2.88 0.00	40.71 3.70 0.00	43.88 4.28 -0.02	48.59 4.50 0.00	55.45 4.90 0.00	63.32 5.96 0.00	73.12 6.71 -0.65	86.66 8.02 -1.55	131.14 11.77 -17.02	166.48 15.50 -19.60	188.87 17.37 -21.72	216.13 16.21 -55.12	203.56 14.13 -57.42	151.49 10.77 -35.18	97.39 6.97 -19.36	71.04 4.92 -10.16	57.03 4.49 -2.06	47.18 4.02 0.00
BROOKLYN___ARMY_DRP 323595	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.41 15.49 -55.12	202.90 13.46 -57.42	150.74 10.03 -35.17	96.81 6.40 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
BROOKVLE_69_KV_TB1 55790	55.10 4.19 -14.19	52.76 3.29 -15.51	44.63 3.06 -10.63	41.76 2.90 -8.98	40.52 2.82 -8.37	40.96 2.87 -8.23	43.23 3.61 -2.77	45.79 4.33 -4.45	48.06 4.99 -3.49	51.19 5.33 -1.76	56.61 6.07 0.00	85.69 7.40 -20.93	95.49 8.42 -21.30	174.53 10.10 -87.33	223.84 14.43 -107.05	317.02 18.92 -166.72	411.58 21.27 -240.53	439.59 19.98 -274.81	343.38 17.69 -193.68	252.25 13.61 -133.09	98.94 8.53 -19.36	76.08 6.43 -13.69	62.48 5.60 -6.40	53.94 4.96 -5.81
BROOME_2_LFGE 323671	38.29 0.88 -0.68	34.98 0.54 -0.48	31.64 0.43 -0.27	30.50 0.42 -0.20	29.96 0.47 -0.16	30.60 0.54 -0.20	38.11 0.52 -0.74	38.16 0.74 -0.41	41.32 0.95 -0.78	46.16 1.19 -0.88	53.08 1.41 -1.12	60.62 1.66 -1.60	69.85 1.91 -2.18	82.34 2.31 -2.93	112.05 2.25 -7.44	142.76 2.49 -8.88	161.86 2.99 -9.08	166.08 3.18 -18.10	155.26 3.57 -19.69	122.22 3.38 -13.30	81.92 2.42 -8.44	63.31 1.96 -5.40	54.08 1.66 -1.93	45.42 1.34 -0.91
BROOME___LFGE 323600	38.29 0.88 -0.68	34.98 0.54 -0.48	31.64 0.43 -0.27	30.50 0.42 -0.20	29.96 0.47 -0.16	30.60 0.54 -0.20	38.11 0.52 -0.74	38.16 0.74 -0.41	41.32 0.95 -0.78	46.16 1.19 -0.88	53.08 1.41 -1.12	60.62 1.66 -1.60	69.85 1.91 -2.18	82.34 2.31 -2.93	112.05 2.25 -7.44	142.76 2.49 -8.88	161.86 2.99 -9.08	166.08 3.18 -18.10	155.26 3.57 -19.69	122.22 3.38 -13.30	81.92 2.42 -8.44	63.31 1.96 -5.40	54.08 1.66 -1.93	45.42 1.34 -0.91
BROWNFLS_115KV_TB_3_5 80003	35.17 -2.17 -0.61	26.10 -1.90 5.96	24.43 -1.73 4.77	23.72 -1.79 4.37	23.53 -1.70 4.11	23.38 -1.70 4.78	35.68 -1.77 -0.60	35.52 -1.85 -0.36	38.03 -2.26 -0.70	42.23 -2.65 -0.78	48.35 -3.13 -0.94	38.22 -3.79 15.35	42.73 -4.27 18.76	37.56 -5.09 34.45	21.85 -6.65 73.86	25.19 -8.28 97.92	85.22 -9.14 55.43	100.98 -8.54 35.27	127.54 -7.39 -2.93	102.53 -5.49 -2.48	69.65 -3.27 -1.86	54.62 -2.57 -1.24	48.84 -2.57 -0.94	41.51 -2.46 -0.81
BROWNSV1_27_KV_LOAD 356125	40.81 4.08 0.00	37.08 3.12 0.00	33.69 2.75 0.00	32.48 2.60 0.00	31.86 2.52 0.00	32.40 2.54 0.00	40.13 3.28 0.00	41.15 4.14 0.00	44.32 4.71 -0.02	49.12 5.03 0.00	56.16 5.61 0.00	64.06 6.71 0.00	73.91 7.50 -0.65	87.59 8.94 -1.55	132.48 13.10 -17.02	168.19 17.21 -19.60	190.82 19.32 -21.72	218.02 18.10 -55.12	205.40 15.97 -57.42	152.86 12.14 -35.18	98.24 7.82 -19.36	71.76 5.65 -10.16	57.69 5.15 -2.06	47.70 4.53 0.00
BURROWS___LYONSDAL 23803	37.50 0.26 -0.52	32.68 0.14 1.41	29.81 0.06 1.19	28.68 -0.09 1.12	28.30 0.03 1.06	28.69 0.06 1.23	37.76 0.37 -0.54	37.87 0.56 -0.31	40.50 0.32 -0.59	45.02 0.26 -0.67	51.58 0.20 -0.83	53.90 0.00 3.46	61.82 0.07 4.01	75.08 0.08 2.10	96.52 0.10 5.94	123.03 0.13 8.49	150.64 0.60 -0.26	148.17 1.01 -2.35	136.08 1.58 -2.48	109.33 1.69 -2.11	74.20 1.56 -1.58	58.46 1.45 -1.05	52.24 0.96 -0.80	44.46 0.60 -0.68
CAITHNESS_CC_1 323624	55.44 4.52 -14.20	53.06 3.60 -15.51	44.72 3.16 -10.63	41.85 2.99 -8.98	40.64 2.93 -8.37	41.08 2.99 -8.23	43.42 3.80 -2.77	45.94 4.48 -4.45	48.22 5.14 -3.49	51.23 5.38 -1.76	67.13 5.76 -10.83	137.30 6.99 -72.95	152.07 8.09 -78.22	262.47 9.64 -175.73	241.68 13.72 -125.60	274.35 17.48 -125.49	279.39 19.62 -109.99	344.98 18.24 -181.94	298.55 16.37 -150.18	258.52 12.87 -140.11	238.64 8.31 -159.27	210.15 6.32 -147.88	71.56 5.35 -15.74	57.36 4.66 -9.53
CALPINE BETH_PAGE_GT4 24209	54.74 3.82 -14.19	52.42 2.95 -15.51	44.35 2.78 -10.63	41.49 2.63 -8.98	40.29 2.58 -8.37	40.72 2.63 -8.23	42.94 3.32 -2.77	45.46 4.00 -4.45	47.51 4.43 -3.49	50.57 4.72 -1.76	56.01 5.31 -0.16	85.89 6.48 -22.06	87.07 7.37 -13.94	122.78 8.87 -36.82	177.38 12.79 -62.22	262.49 16.82 -114.29	318.56 19.02 -149.76	372.84 17.81 -210.23	311.14 15.71 -163.42	237.29 12.14 -119.61	100.02 7.53 -21.43	77.34 5.71 -15.68	61.97 4.95 -6.54	55.14 4.40 -7.57
CALPINE_BETH_PAGE_GT_4 323586	54.77 3.86 -14.19	52.46 2.99 -15.51	44.35 2.79 -10.63	41.49 2.63 -8.98	40.32 2.61 -8.37	40.72 2.63 -8.23	42.94 3.32 -2.77	45.46 4.00 -4.45	47.51 4.43 -3.49	50.57 4.72 -1.76	55.91 5.21 -0.16	85.89 6.48 -22.06	87.07 7.36 -13.94	122.78 8.86 -36.82	177.37 12.79 -62.22	262.49 16.82 -114.29	318.56 19.02 -149.76	372.83 17.81 -210.23	311.14 15.70 -163.42	237.28 12.13 -119.61	100.10 7.61 -21.43	77.34 5.71 -15.68	61.97 4.95 -6.54	55.14 4.41 -7.57
CALPINE_BP_GT1 23823	54.77 3.86 -14.19	52.46 2.99 -15.51	44.35 2.79 -10.63	41.49 2.63 -8.98	40.32 2.61 -8.37	40.72 2.63 -8.23	42.94 3.32 -2.77	45.46 4.00 -4.45	47.51 4.43 -3.49	50.57 4.72 -1.76	55.91 5.21 -0.16	85.89 6.48 -22.06	87.07 7.36 -13.94	122.78 8.86 -36.82	177.37 12.79 -62.22	262.49 16.82 -114.29	318.56 19.02 -149.76	372.83 17.81 -210.23	311.14 15.70 -163.42	237.28 12.13 -119.61	100.10 7.61 -21.43	77.34 5.71 -15.68	61.97 4.95 -6.54	55.14 4.41 -7.57
CALSPAN___DRP 24200	37.21 0.48 0.00	33.79 -0.17 0.00	30.60 -0.34 0.00	29.46 -0.42 0.00	29.07 -0.26 0.00	29.83 -0.03 0.00	36.00 -0.85 0.00	36.34 -0.67 0.00	39.43 -0.16 0.00	44.13 0.04 0.00	50.60 0.05 0.00	57.24 -0.11 0.00	65.57 -0.20 0.00	77.10 0.00 -1.79	101.69 -2.46 -1.94	128.20 -5.12 -2.37	146.31 -5.84 -2.37	145.10 -5.21 -5.51	129.52 -2.90 -0.42	105.54 0.00 0.00	71.20 0.14 0.00	56.96 1.01 0.00	51.64 1.16 0.00	44.38 1.21 0.00

CALVERTON___SOLAR 323806	55.63 4.70 -14.20	53.20 3.74 -15.51	44.84 3.28 -10.63	41.94 3.08 -8.98	40.73 3.02 -8.37	41.17 3.08 -8.23	43.49 3.87 -2.77	46.05 4.59 -4.45	48.38 5.31 -3.49	51.36 5.51 -1.76	67.53 6.06 -10.92	138.13 7.40 -73.37	153.25 8.68 -78.81	264.60 10.33 -177.17	243.24 14.53 -126.36	275.61 18.39 -125.83	280.54 20.68 -110.08	346.06 19.26 -182.00	299.64 17.42 -150.21	260.26 13.71 -141.00	240.38 8.88 -160.44	211.78 6.82 -149.00	72.00 5.70 -15.82	57.76 4.96 -9.63
CANDIGU_WT_PWR 323617	37.62 0.51 -0.38	34.19 -0.03 -0.27	30.94 -0.15 -0.15	29.84 -0.15 -0.11	29.33 -0.09 -0.09	30.03 0.06 -0.11	36.86 -0.40 -0.41	37.05 -0.18 -0.23	40.26 0.24 -0.43	45.06 0.49 -0.49	51.72 0.56 -0.62	58.70 0.46 -0.88	67.30 0.33 -1.21	78.95 0.23 -1.62	105.06 -1.74 -4.45	133.64 -3.02 -5.27	152.39 -2.85 -5.46	152.47 -1.59 -9.27	134.67 0.26 -2.39	108.77 1.68 -1.54	73.63 1.42 -1.16	58.18 1.45 -0.77	52.37 1.31 -0.58	44.75 1.08 -0.50
CARR STREET_E_SYR 24060	37.69 -0.04 -1.00	34.27 -0.14 -0.45	30.95 -0.18 -0.20	29.81 -0.18 -0.10	29.25 -0.15 -0.06	29.86 -0.09 -0.09	37.63 -0.30 -1.08	37.53 -0.07 -0.60	40.69 -0.04 -1.14	45.46 0.09 -1.28	52.28 0.10 -1.63	59.25 0.23 -1.66	68.51 0.33 -2.41	81.14 0.39 -3.66	106.47 0.10 -4.01	136.42 -0.13 -5.17	155.08 -0.15 -5.45	149.49 0.14 -4.54	137.34 0.53 -4.80	110.35 0.74 -4.06	74.60 0.50 -3.04	58.38 0.39 -2.03	52.32 0.30 -1.54	44.62 0.13 -1.32
CARTHAGE___PAPER 23857	36.86 -1.14 -1.27	30.87 -1.09 2.00	28.09 -1.08 1.77	26.99 -1.20 1.70	26.67 -1.03 1.63	26.97 -1.02 1.88	37.39 -0.81 -1.35	37.06 -0.70 -0.76	39.90 -1.15 -1.46	44.27 -1.45 -1.64	50.78 -1.82 -2.06	50.48 -2.24 4.63	57.97 -2.50 5.29	47.22 -3.01 26.87	36.75 -4.30 61.31	46.17 -5.39 79.82	89.49 -5.69 54.60	101.17 -4.77 38.85	134.95 -3.17 -6.11	109.03 -1.69 -5.18	74.37 -0.57 -3.88	58.15 -0.39 -2.59	51.63 -0.81 -1.96	43.82 -1.04 -1.68
CASSADAGA_WT_PWR 323784	38.05 1.32 0.00	34.53 0.58 0.00	31.22 0.28 0.00	30.15 0.27 0.00	29.69 0.35 0.00	30.46 0.60 0.00	36.89 0.04 0.00	37.45 0.45 0.00	40.70 1.11 0.00	45.54 1.45 0.00	52.36 1.82 0.00	58.96 1.60 0.00	67.93 2.17 0.00	79.95 2.85 0.00	105.40 1.13 -1.92	132.93 -0.52 -2.07	151.42 -0.89 -2.53	150.11 -0.58 -5.89	134.17 1.71 -0.45	109.02 3.48 0.00	73.69 2.63 0.00	58.69 2.74 0.00	53.00 2.52 0.00	45.50 2.33 0.00
CE_DUNWOOD___DRP 24194	40.00 3.27 0.00	36.43 2.48 0.00	33.17 2.23 0.00	31.97 2.09 0.00	31.39 2.05 0.00	31.92 2.06 0.00	39.47 2.62 0.00	40.30 3.29 0.00	43.35 3.76 0.00	48.10 4.01 0.00	55.09 4.55 0.00	62.80 5.45 0.00	72.59 6.18 -0.65	86.04 7.40 -1.54	130.07 10.75 -16.97	165.11 14.19 -19.54	187.31 15.88 -21.66	214.53 14.77 -54.96	202.34 13.07 -57.26	150.55 9.92 -35.08	96.70 6.32 -19.31	70.73 4.64 -10.14	56.67 4.14 -2.06	46.84 3.67 0.00
CE_MILLWOOD___DRP 24193	39.89 3.16 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.91 2.03 0.00	31.33 1.99 0.00	31.86 2.00 0.00	39.35 2.51 0.00	40.15 3.15 0.00	43.19 3.60 0.00	47.93 3.84 0.00	54.94 4.40 0.00	62.63 5.28 0.00	72.39 5.98 -0.64	85.80 7.17 -1.53	129.55 10.34 -16.86	164.59 13.80 -19.41	186.73 15.43 -21.52	213.77 14.34 -54.64	201.59 12.67 -56.91	150.01 9.60 -34.87	96.44 6.18 -19.20	70.51 4.48 -10.08	56.51 3.99 -2.05	46.71 3.54 0.00
CE_NYC2_DRP 24202	40.56 3.82 -0.01	36.88 2.92 -0.01	33.51 2.57 0.00	32.30 2.42 0.00	31.71 2.38 0.00	32.19 2.33 0.00	39.83 2.98 0.00	40.86 3.85 0.00	43.96 4.35 -0.02	48.54 4.45 0.00	55.35 4.80 0.00	63.03 5.68 0.00	72.73 6.31 -0.65	86.20 7.56 -1.55	130.63 11.26 -17.02	165.70 14.72 -19.60	187.98 16.48 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.63 9.92 -35.17	96.74 6.32 -19.36	70.75 4.64 -10.15	56.83 4.29 -2.06	47.31 4.14 0.00
CE_NYC_DRP 24195	40.40 3.67 0.00	36.74 2.78 0.00	33.41 2.48 0.00	32.21 2.33 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.80 2.95 0.00	40.78 3.77 0.00	43.92 4.32 -0.02	48.63 4.54 0.00	55.65 5.11 0.00	63.38 6.02 0.00	73.19 6.77 -0.65	86.74 8.10 -1.55	131.25 11.87 -17.02	166.62 15.63 -19.60	189.02 17.52 -21.72	216.14 16.22 -55.12	203.55 14.12 -57.42	151.49 10.77 -35.18	97.24 6.82 -19.36	71.09 4.98 -10.16	57.08 4.54 -2.06	47.23 4.06 0.00
CHAFFEE___LFGE 323603	37.24 0.51 0.00	33.85 -0.10 0.00	30.63 -0.31 0.00	29.61 -0.27 0.00	29.13 -0.20 0.00	29.89 0.03 0.00	36.15 -0.70 0.00	36.45 -0.55 0.00	39.63 0.04 0.00	44.31 0.22 0.00	50.85 0.31 0.00	57.30 -0.06 0.00	65.96 0.20 0.00	77.64 0.54 0.00	102.39 -1.84 -1.87	129.20 -4.21 -2.02	147.45 -4.80 -2.47	146.34 -4.20 -5.74	130.60 -1.85 -0.43	106.18 0.64 0.00	71.70 0.64 0.00	57.24 1.29 0.00	51.74 1.26 0.00	44.51 1.34 0.00
CHATEAUG_35_KV_LOAD 355732	35.04 -1.69 0.00	31.79 -1.26 0.91	29.11 -1.11 0.72	28.19 -1.05 0.65	27.58 -1.14 0.61	28.02 -1.13 0.71	35.62 -1.22 0.01	35.42 -1.59 0.00	37.85 -1.74 0.00	42.24 -1.85 0.00	48.31 -2.22 0.01	51.58 -3.38 2.39	56.29 -4.14 5.33	66.26 -4.78 6.05	83.49 -6.24 12.63	106.85 -7.88 16.66	130.64 -8.99 10.16	129.33 -8.69 6.78	123.69 -8.32 0.00	98.89 -6.65 0.00	66.51 -4.55 0.00	52.37 -3.58 0.00	47.85 -2.62 0.00	40.54 -2.63 0.00
CHATEAUG_WT_PWR 323614	35.11 -1.62 0.00	32.73 -1.22 0.00	29.83 -1.11 0.00	28.87 -1.02 0.00	28.25 -1.08 0.00	28.76 -1.10 0.00	35.67 -1.18 0.00	35.46 -1.55 0.00	37.89 -1.70 0.00	42.37 -1.72 0.00	48.83 -1.72 0.00	54.09 -3.27 0.00	58.80 -4.34 2.63	69.08 -4.94 3.08	89.24 -6.55 6.56	114.72 -8.27 8.39	133.49 -9.29 7.00	130.25 -9.12 5.44	123.17 -8.84 0.00	98.47 -7.07 0.00	66.16 -4.90 0.00	52.43 -3.52 0.00	47.96 -2.52 0.00	40.58 -2.59 0.00
CHAT_HIGH_FALL_HYD 323578	35.04 -1.69 0.00	31.79 -1.26 0.91	29.11 -1.11 0.72	28.19 -1.05 0.65	27.58 -1.14 0.61	28.02 -1.13 0.71	35.62 -1.22 0.01	35.42 -1.59 0.00	37.85 -1.74 0.00	42.24 -1.85 0.00	48.31 -2.22 0.01	51.58 -3.38 2.39	56.29 -4.14 5.33	66.26 -4.78 6.05	83.49 -6.24 12.63	106.85 -7.88 16.66	130.64 -8.99 10.16	129.33 -8.69 6.78	123.69 -8.32 0.00	98.89 -6.65 0.00	66.51 -4.55 0.00	52.37 -3.58 0.00	47.85 -2.62 0.00	40.54 -2.63 0.00
CHAUTAUQUA___LFGE 323629	37.72 0.99 0.00	34.26 0.30 0.00	30.97 0.03 0.00	29.91 0.03 0.00	29.45 0.12 0.00	30.22 0.36 0.00	36.55 -0.30 0.00	37.01 0.00 0.00	40.26 0.67 0.00	45.06 0.97 0.00	51.76 1.21 0.00	58.33 0.97 0.00	67.15 1.38 0.00	78.94 1.85 0.00	104.12 -0.10 -1.87	131.30 -2.11 -2.02	149.70 -2.55 -2.47	148.51 -2.03 -5.74	132.58 0.13 -0.43	107.86 2.32 0.00	72.90 1.84 0.00	58.08 2.13 0.00	52.50 2.02 0.00	45.11 1.94 0.00
CHERRYST_13_KV_LD 356241	40.55 3.82 0.00	36.88 2.92 0.00	33.51 2.57 0.00	32.30 2.42 0.00	31.71 2.38 0.00	32.25 2.39 0.00	39.94 3.10 0.00	40.97 3.96 0.00	44.16 4.55 -0.02	48.94 4.85 0.00	55.95 5.41 0.00	63.78 6.42 0.00	73.65 7.23 -0.65	87.28 8.63 -1.55	131.96 12.59 -17.02	167.54 16.55 -19.60	190.07 18.57 -21.72	217.15 17.23 -55.12	204.35 14.92 -57.42	152.12 11.40 -35.18	97.67 7.25 -19.36	71.37 5.26 -10.16	57.28 4.75 -2.06	47.40 4.23 0.00

CHESTROR_138KV_BK263 355645	39.30 2.57 0.00	35.89 1.94 0.00	32.70 1.76 0.00	31.56 1.67 0.00	30.98 1.64 0.00	31.51 1.64 0.00	38.88 2.03 0.00	39.56 2.55 0.00	42.52 2.93 0.00	47.22 3.13 0.00	54.18 3.64 0.00	61.71 4.36 0.00	71.21 4.93 -0.51	84.25 5.94 -1.22	125.67 8.60 -14.71	159.53 11.30 -16.85	181.34 12.73 -18.83	205.12 12.02 -48.30	192.46 10.69 -49.76	144.24 8.13 -30.58	93.30 5.26 -16.99	68.25 3.80 -8.50	55.72 3.38 -1.86	46.15 2.98 0.00
CH_MIDHUDSON___DRP 24192	39.67 2.94 0.00	36.20 2.24 0.00	32.98 2.04 0.00	31.82 1.94 0.00	31.21 1.88 0.00	31.77 1.91 0.00	39.24 2.40 0.00	39.90 2.89 0.00	42.88 3.29 0.00	47.62 3.53 0.00	54.64 4.09 0.00	62.23 4.88 0.00	71.94 5.66 -0.52	85.12 6.78 -1.24	128.30 9.72 -16.22	162.75 12.88 -18.49	185.13 14.53 -20.82	212.58 13.61 -54.17	200.66 12.14 -56.51	149.63 9.18 -34.90	96.68 6.04 -19.58	70.42 4.36 -10.10	56.58 3.89 -2.22	46.58 3.41 0.00
CH_MISC_IPPS 23765	39.74 3.01 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.75 1.88 0.00	39.24 2.39 0.00	39.90 2.89 0.00	42.92 3.33 0.00	47.71 3.62 0.00	54.69 4.15 0.00	62.46 5.10 0.00	72.09 5.85 -0.48	85.25 7.01 -1.14	128.06 10.14 -15.57	162.51 13.41 -17.71	184.91 15.12 -20.00	211.38 14.34 -52.24	198.92 12.67 -54.24	148.68 9.60 -33.53	96.68 6.75 -18.87	70.60 4.81 -9.83	56.88 4.24 -2.16	46.84 3.67 0.00
CH_RES_BVR_FALLS 23983	35.96 -0.77 0.00	33.69 -0.58 -0.31	30.66 -0.53 -0.24	29.59 -0.51 -0.22	29.01 -0.53 -0.21	29.57 -0.54 -0.24	36.26 -0.59 0.00	36.30 -0.70 0.00	38.80 -0.79 0.00	43.25 -0.84 0.00	49.59 -0.96 0.00	56.91 -1.26 -0.81	66.57 -1.51 -2.31	75.54 -2.31 -0.75	100.80 -3.07 -1.51	129.55 -3.94 -2.10	145.78 -4.49 -0.48	140.31 -4.49 0.00	127.78 -4.23 0.00	102.06 -3.48 0.00	68.71 -2.34 0.00	54.50 -1.46 0.00	49.22 -1.26 0.00	42.05 -1.12 0.00
CH_RES_NIAGARA 23895	35.85 -0.88 0.00	32.63 -1.32 0.00	29.55 -1.39 0.00	28.45 -1.43 0.00	28.07 -1.26 0.00	28.79 -1.08 0.00	34.68 -2.17 0.00	34.79 -2.22 0.00	37.73 -1.86 0.00	42.19 -1.90 0.00	48.17 -2.38 0.00	54.49 -2.87 0.00	62.35 -3.42 0.00	73.17 -3.93 -0.00	96.00 -7.98 -1.63	120.79 -12.35 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.03 -0.38	100.05 -5.49 0.00	67.65 -3.41 0.00	54.27 -1.68 0.00	49.47 -1.01 0.00	42.65 -0.52 0.00
CH_RES_SYRACUSE 23985	38.86 0.29 -1.83	35.13 0.10 -1.07	31.52 0.03 -0.55	30.25 0.00 -0.37	29.64 0.03 -0.28	30.31 0.09 -0.35	38.88 0.04 -1.99	38.33 0.22 -1.10	41.97 0.28 -2.10	46.90 0.44 -2.36	54.06 0.51 -3.01	61.74 0.69 -3.70	71.80 0.85 -5.18	85.43 1.00 -7.33	111.95 1.02 -8.57	143.60 1.05 -11.17	161.54 1.35 -10.41	154.76 1.60 -8.37	142.83 1.98 -8.83	114.82 1.79 -7.48	77.94 1.28 -5.61	60.65 0.95 -3.75	54.07 0.76 -2.83	46.12 0.52 -2.43
CLINTON_WT_PWR 323605	35.11 -1.62 0.00	32.73 -1.22 0.00	29.83 -1.11 0.00	28.87 -1.02 0.00	28.25 -1.08 0.00	28.76 -1.10 0.00	35.67 -1.18 0.00	35.46 -1.55 0.00	37.89 -1.70 0.00	42.37 -1.72 0.00	48.83 -1.72 0.00	54.09 -3.27 0.00	58.80 -4.34 2.63	69.08 -4.94 3.08	89.24 -6.55 6.56	114.72 -8.27 8.39	133.49 -9.29 7.00	130.25 -9.12 5.44	123.17 -8.84 0.00	98.47 -7.07 0.00	66.16 -4.90 0.00	52.43 -3.52 0.00	47.96 -2.52 0.00	40.58 -2.59 0.00
CLINTON___LFGE 323618	35.33 -1.40 0.00	32.69 -1.02 0.25	29.81 -0.93 0.20	28.84 -0.87 0.18	28.23 -0.94 0.17	28.74 -0.93 0.20	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.68 -1.41 0.00	49.23 -1.31 0.66	53.43 -3.27 0.66	57.85 -4.54 3.37	67.96 -5.25 3.89	87.39 -6.76 8.21	112.33 -8.41 10.65	132.50 -9.43 7.85	129.74 -9.27 5.79	122.90 -9.11 0.00	98.36 -7.18 0.00	66.08 -4.98 0.00	52.54 -3.41 0.00	48.31 -2.17 0.00	40.88 -2.29 0.00
COBBLENY_34_KV_TB1 80064	37.32 0.59 0.00	33.85 -0.10 0.00	30.66 -0.28 0.00	29.52 -0.36 0.00	29.16 -0.18 0.00	29.89 0.03 0.00	36.11 -0.74 0.00	36.53 -0.48 0.00	39.63 0.04 0.00	44.31 0.22 0.00	50.85 0.30 0.00	57.53 0.17 0.00	65.96 0.20 0.00	77.64 0.54 0.00	102.38 -1.84 -1.87	129.20 -4.20 -2.02	147.46 -4.79 -2.47	146.34 -4.20 -5.74	130.60 -1.85 -0.43	106.17 0.63 0.00	71.63 0.57 0.00	57.24 1.29 0.00	51.84 1.36 0.00	44.51 1.34 0.00
COFFEEN___115KV_TB3 355620	37.55 -0.73 -1.55	31.83 -0.81 1.31	28.83 -0.84 1.27	27.72 -0.90 1.27	27.45 -0.65 1.24	27.82 -0.63 1.42	38.22 -0.29 -1.66	37.82 -0.11 -0.93	40.77 -0.59 -1.78	45.30 -0.79 -2.00	51.96 -1.11 -2.52	53.34 -1.32 2.69	61.44 -1.51 2.81	55.42 -1.70 19.98	51.61 -2.87 47.88	65.40 -3.68 62.31	104.37 -3.44 41.97	112.55 -2.61 29.64	138.69 -0.79 -7.47	112.40 0.53 -6.33	76.65 0.85 -4.74	59.85 0.73 -3.17	52.93 0.05 -2.40	44.88 -0.35 -2.06
COLDSPRG_115KV_BK1 355956	38.20 1.47 0.00	34.60 0.65 0.00	31.28 0.34 0.00	30.15 0.27 0.00	29.80 0.47 0.00	30.58 0.72 0.00	37.03 0.18 0.00	37.75 0.74 0.00	40.86 1.27 0.00	45.72 1.63 0.00	52.67 2.12 0.00	59.48 2.12 0.00	68.33 2.56 0.00	80.41 3.32 0.00	105.98 1.64 -1.99	133.80 0.26 -2.15	152.41 0.00 -2.63	151.06 0.14 -6.12	134.85 2.38 -0.46	109.45 3.91 0.00	73.83 2.77 0.00	58.86 2.91 0.00	53.05 2.57 0.00	45.46 2.29 0.00
COLONIE_LFGE___ 323577	38.90 2.17 0.00	35.75 1.80 0.00	32.61 1.67 0.00	31.50 1.61 0.00	30.92 1.58 0.00	31.44 1.58 0.00	38.76 1.91 0.00	39.15 2.15 0.00	41.73 2.14 0.00	46.51 2.42 0.00	53.27 2.73 0.00	60.62 3.27 0.00	74.70 3.95 -4.99	93.57 4.55 -11.93	198.09 6.35 -89.38	245.38 8.15 -105.84	271.33 9.29 -112.25	462.71 8.98 -308.93	633.50 8.19 -493.31	424.13 6.44 -312.15	249.44 4.34 -174.04	160.50 3.36 -101.19	72.72 2.93 -19.32	45.76 2.59 0.00
COOPERNY_115KV_TB1 80082	38.60 1.87 0.00	35.35 1.39 0.00	32.21 1.27 0.00	31.11 1.23 0.00	30.57 1.23 0.00	31.09 1.22 0.00	38.36 1.51 0.00	38.90 1.89 0.00	41.77 2.18 0.00	46.43 2.34 0.00	53.27 2.73 0.00	60.57 3.21 0.00	69.45 3.68 0.00	81.49 4.39 0.00	116.12 6.24 -7.52	147.79 8.28 -8.13	168.99 9.29 -9.92	181.76 8.69 -28.27	166.76 7.79 -26.96	128.55 5.91 -17.10	85.30 3.91 -10.33	65.32 2.85 -6.51	54.38 2.47 -1.43	45.33 2.16 0.00
COPENHAGEN_WT_PWR 323753	37.47 -0.88 -1.63	31.87 -0.95 1.13	28.87 -0.93 1.14	27.71 -1.02 1.15	27.38 -0.82 1.14	27.76 -0.80 1.30	38.00 -0.59 -1.75	37.57 -0.41 -0.97	40.62 -0.83 -1.87	45.13 -1.06 -2.10	51.88 -1.31 -2.65	53.63 -1.55 2.18	61.84 -1.77 2.15	56.95 -2.00 18.15	54.89 -3.17 44.29	69.67 -4.07 57.64	106.99 -4.19 38.60	114.14 -3.48 27.18	137.99 -1.85 -7.83	111.65 -0.53 -6.63	76.10 0.07 -4.97	59.38 0.11 -3.32	52.64 -0.35 -2.51	44.68 -0.65 -2.16
CORNELL_____ 23752	39.04 1.36 -0.96	35.61 0.98 -0.67	32.12 0.80 -0.38	30.90 0.75 -0.27	30.38 0.82 -0.22	31.06 0.93 -0.27	38.99 1.11 -1.04	38.95 1.37 -0.57	42.11 1.43 -1.10	47.00 1.68 -1.23	54.03 1.92 -1.57	61.77 2.18 -2.23	71.31 2.50 -3.05	84.12 2.93 -4.10	113.27 3.17 -7.74	144.87 3.94 -9.54	163.91 4.94 -9.18	165.27 5.50 -14.97	154.31 5.94 -16.37	122.37 5.38 -11.45	82.23 3.70 -7.48	63.69 2.91 -4.83	55.01 2.42 -2.11	46.29 1.86 -1.27

CORONA__69_KV_TB1 355595	55.18 4.26 -14.19	52.79 3.33 -15.51	44.54 2.97 -10.63	41.67 2.81 -8.98	40.44 2.73 -8.37	40.87 2.78 -8.23	43.05 3.43 -2.77	45.61 4.14 -4.45	47.75 4.67 -3.49	50.88 5.03 -1.76	56.21 5.66 0.00	85.11 6.83 -20.93	87.79 7.63 -14.40	129.89 9.10 -43.70	184.53 13.10 -69.08	271.68 17.21 -123.09	334.98 19.47 -165.73	384.78 18.39 -221.59	317.00 16.24 -168.75	239.79 12.56 -121.69	98.30 7.89 -19.36	75.74 6.10 -13.69	62.43 5.55 -6.40	53.94 4.96 -5.81
CORTLAND__115KV_TB3 80093	38.78 1.10 -0.95	35.20 0.78 -0.46	31.80 0.65 -0.21	30.61 0.60 -0.13	30.09 0.67 -0.08	30.72 0.75 -0.11	38.76 0.88 -1.03	38.68 1.11 -0.57	41.86 1.19 -1.09	46.72 1.41 -1.22	53.71 1.62 -1.55	60.81 1.78 -1.68	70.21 2.04 -2.40	83.13 2.47 -3.57	111.37 2.66 -6.36	142.39 3.28 -7.72	162.18 4.04 -8.35	160.72 4.34 -11.58	141.74 4.62 -5.11	113.63 4.22 -3.86	76.79 2.84 -2.89	60.29 2.41 -1.93	53.91 1.97 -1.46	45.98 1.55 -1.26
COXSACKIE__GT 23611	39.96 3.23 0.00	36.77 2.82 0.00	33.51 2.57 0.00	32.33 2.45 0.00	31.74 2.41 0.00	32.34 2.48 0.00	40.05 3.20 0.00	40.15 3.14 0.00	42.52 2.93 0.00	47.31 3.22 0.00	53.98 3.44 0.00	60.91 3.56 0.00	63.42 4.08 6.43	66.73 5.01 15.37	72.67 7.37 37.06	89.04 9.59 51.93	120.06 11.83 41.56	119.62 12.59 37.77	113.94 12.28 30.34	111.19 9.70 4.05	93.53 6.18 -16.29	84.45 4.31 -24.19	63.44 4.59 -8.37	47.40 4.23 0.00
CPV_VALLEY__CC1 323721	38.93 2.20 0.00	35.58 1.63 0.00	32.45 1.52 0.00	31.29 1.40 0.00	30.74 1.41 0.00	31.27 1.40 0.00	38.55 1.70 0.00	39.19 2.18 0.00	42.13 2.54 0.00	46.78 2.69 0.00	53.63 3.08 0.00	61.14 3.78 0.00	70.47 4.27 -0.43	83.22 5.09 -1.04	122.82 7.37 -13.09	156.20 9.86 -14.95	177.64 11.08 -16.78	198.30 10.28 -43.21	185.31 9.10 -44.20	139.59 6.86 -27.19	90.70 4.48 -15.16	66.88 3.24 -7.68	55.04 2.88 -1.68	45.67 2.50 0.00
CPV_VALLEY__CC2 323722	38.93 2.20 0.00	35.58 1.63 0.00	32.45 1.52 0.00	31.29 1.40 0.00	30.74 1.41 0.00	31.27 1.40 0.00	38.55 1.70 0.00	39.19 2.18 0.00	42.13 2.54 0.00	46.78 2.69 0.00	53.63 3.08 0.00	61.14 3.78 0.00	70.47 4.27 -0.43	83.22 5.09 -1.04	122.82 7.37 -13.09	156.20 9.86 -14.95	177.64 11.08 -16.78	198.30 10.28 -43.21	185.31 9.10 -44.20	139.59 6.86 -27.19	90.70 4.48 -15.16	66.88 3.24 -7.68	55.04 2.88 -1.68	45.67 2.50 0.00
CRESCENT__HYD 24018	38.90 2.17 0.00	35.75 1.80 0.00	32.61 1.67 0.00	31.50 1.61 0.00	30.92 1.58 0.00	31.44 1.58 0.00	38.76 1.91 0.00	39.15 2.15 0.00	41.73 2.14 0.00	46.51 2.42 0.00	53.27 2.73 0.00	60.62 3.27 0.00	74.70 3.95 -4.99	93.57 4.55 -11.93	198.09 6.35 -89.38	245.38 8.15 -105.84	271.33 9.29 -112.25	462.71 8.98 -308.93	633.50 8.19 -493.31	424.13 6.44 -312.15	249.44 4.34 -174.04	160.50 3.36 -101.19	72.72 2.93 -19.32	45.76 2.59 0.00
CRICKET__VALLEY_CC1 323756	39.37 2.65 0.00	35.99 2.04 0.00	32.80 1.86 0.00	31.62 1.73 0.00	31.07 1.73 0.00	31.59 1.73 0.00	38.99 2.14 0.00	39.60 2.59 0.00	42.36 2.77 0.00	47.00 2.91 0.00	53.83 3.28 0.00	61.43 4.07 0.00	71.42 4.74 -0.92	84.91 5.63 -2.19	131.42 8.19 -20.87	166.42 10.78 -24.26	188.40 12.13 -26.49	222.92 11.30 -66.82	216.03 9.91 -74.12	158.48 7.49 -45.45	100.74 4.90 -24.78	72.74 3.53 -13.26	56.16 3.13 -2.55	46.11 2.94 0.00
CRICKET__VALLEY_CC2 323757	39.37 2.65 0.00	35.99 2.04 0.00	32.80 1.86 0.00	31.62 1.73 0.00	31.07 1.73 0.00	31.59 1.73 0.00	38.99 2.14 0.00	39.60 2.59 0.00	42.36 2.77 0.00	47.00 2.91 0.00	53.83 3.28 0.00	61.43 4.07 0.00	71.42 4.74 -0.92	84.91 5.63 -2.19	131.42 8.19 -20.87	166.42 10.78 -24.26	188.40 12.13 -26.49	222.92 11.30 -66.82	216.03 9.91 -74.12	158.48 7.49 -45.45	100.74 4.90 -24.78	72.74 3.53 -13.26	56.16 3.13 -2.55	46.11 2.94 0.00
CRICKET__VALLEY_CC3 323758	39.37 2.65 0.00	35.99 2.04 0.00	32.80 1.86 0.00	31.62 1.73 0.00	31.07 1.73 0.00	31.59 1.73 0.00	38.99 2.14 0.00	39.60 2.59 0.00	42.36 2.77 0.00	47.00 2.91 0.00	53.83 3.28 0.00	61.43 4.07 0.00	71.42 4.74 -0.92	84.91 5.63 -2.19	131.42 8.19 -20.87	166.42 10.78 -24.26	188.40 12.13 -26.49	222.92 11.30 -66.82	216.03 9.91 -74.12	158.48 7.49 -45.45	100.74 4.90 -24.78	72.74 3.53 -13.26	56.16 3.13 -2.55	46.11 2.94 0.00
CRUCIBLE__METL_DRP 24180	38.86 0.29 -1.83	35.13 0.10 -1.07	31.52 0.03 -0.55	30.25 0.00 -0.37	29.64 0.03 -0.28	30.31 0.09 -0.35	38.88 0.04 -1.99	38.33 0.22 -1.10	41.97 0.28 -2.10	46.90 0.44 -2.36	54.06 0.51 -3.01	61.80 0.75 -3.70	71.80 0.85 -5.18	85.43 1.00 -7.33	111.95 1.02 -8.57	143.60 1.05 -11.17	161.54 1.35 -10.41	154.76 1.59 -8.37	142.82 1.98 -8.83	114.82 1.79 -7.48	77.87 1.21 -5.61	60.65 0.95 -3.75	54.07 0.76 -2.83	46.16 0.56 -2.43
DAHOWA__HYDRO 323763	39.56 2.83 0.00	36.33 2.38 0.00	33.04 2.10 0.00	31.88 2.00 0.00	31.30 1.97 0.00	31.89 2.03 0.00	39.36 2.51 0.00	39.64 2.63 0.00	42.32 2.73 0.00	47.35 3.26 0.00	54.03 3.48 0.00	61.66 4.30 0.00	74.18 5.13 -3.28	90.65 5.71 -7.84	188.92 7.88 -78.68	232.37 9.86 -91.12	261.40 11.53 -100.09	455.91 11.88 -299.23	643.03 11.48 -499.54	435.62 9.18 -320.90	261.69 6.32 -184.31	171.84 5.04 -110.85	77.08 4.24 -22.36	46.54 3.37 0.00
DANC__LFGE 323619	38.11 -0.66 -2.04	33.05 -0.78 0.12	29.75 -0.77 0.42	28.55 -0.81 0.53	28.09 -0.67 0.57	28.55 -0.69 0.62	38.46 -0.59 -2.20	37.78 -0.44 -1.22	41.25 -0.67 -2.34	45.93 -0.79 -2.63	52.86 -1.01 -3.33	56.87 -1.15 -0.66	65.99 -1.25 -1.48	67.65 -1.39 8.06	75.28 -2.46 24.62	96.10 -3.28 32.01	126.24 -3.44 20.10	128.35 -2.76 13.69	140.38 -1.45 -9.82	113.33 -0.53 -8.32	77.22 -0.07 -6.23	60.11 0.00 -4.16	53.38 -0.25 -3.15	45.40 -0.47 -2.70
DANSKAMMER__1 23586	39.74 3.01 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.75 1.88 0.00	39.24 2.39 0.00	39.90 2.89 0.00	42.92 3.33 0.00	47.71 3.62 0.00	54.69 4.15 0.00	62.46 5.10 0.00	72.09 5.85 -0.48	85.25 7.01 -1.14	128.06 10.14 -15.57	162.51 13.41 -17.71	184.91 15.12 -20.00	211.38 14.34 -52.24	198.92 12.67 -54.24	148.68 9.60 -33.53	96.68 6.75 -18.87	70.60 4.81 -9.83	56.88 4.24 -2.16	46.84 3.67 0.00
DANSKAMMER__2 23589	39.74 3.01 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.75 1.88 0.00	39.24 2.39 0.00	39.90 2.89 0.00	42.92 3.33 0.00	47.71 3.62 0.00	54.69 4.15 0.00	62.46 5.10 0.00	72.09 5.85 -0.48	85.25 7.01 -1.14	128.06 10.14 -15.57	162.51 13.41 -17.71	184.91 15.12 -20.00	211.38 14.34 -52.24	198.92 12.67 -54.24	148.68 9.60 -33.53	96.68 6.75 -18.87	70.60 4.81 -9.83	56.88 4.24 -2.16	46.84 3.67 0.00
DANSKAMMER__3 23590	39.74 3.01 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.75 1.88 0.00	39.24 2.39 0.00	39.90 2.89 0.00	42.92 3.33 0.00	47.71 3.62 0.00	54.69 4.15 0.00	62.46 5.10 0.00	72.09 5.85 -0.48	85.25 7.01 -1.14	128.06 10.14 -15.57	162.51 13.41 -17.71	184.91 15.12 -20.00	211.38 14.34 -52.24	198.92 12.67 -54.24	148.68 9.60 -33.53	96.68 6.75 -18.87	70.60 4.81 -9.83	56.88 4.24 -2.16	46.84 3.67 0.00

DANSKAMMER___4 23591	39.74 3.01 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.75 1.88 0.00	39.24 2.39 0.00	39.90 2.89 0.00	42.92 3.33 0.00	47.71 3.62 0.00	54.69 4.15 0.00	62.46 5.10 0.00	72.09 5.85 -0.48	85.25 7.01 -1.14	128.06 10.14 -15.57	162.51 13.41 -17.71	184.91 15.12 -20.00	211.38 14.34 -52.24	198.92 12.67 -54.24	148.68 9.60 -33.53	96.68 6.75 -18.87	70.60 4.81 -9.83	56.88 4.24 -2.16	46.84 3.67 0.00
DANSKAMMER___DIESEL 23592	39.70 2.98 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.80 1.91 0.00	31.18 1.85 0.00	31.74 1.88 0.00	39.24 2.40 0.00	39.90 2.89 0.00	42.91 3.33 0.00	47.71 3.62 0.00	54.79 4.25 0.00	62.40 5.05 0.00	72.09 5.85 -0.48	85.25 7.02 -1.14	128.06 10.13 -15.57	162.50 13.40 -17.71	184.92 15.13 -20.00	211.38 14.34 -52.24	198.92 12.67 -54.24	148.68 9.60 -33.53	96.61 6.68 -18.87	70.60 4.81 -9.83	56.88 4.24 -2.16	46.84 3.67 0.00
DARBY___SOLAR 323810	39.41 2.68 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.80 1.91 0.00	31.21 1.88 0.00	31.78 1.91 0.00	39.21 2.36 0.00	39.53 2.52 0.00	42.24 2.65 0.00	47.18 3.09 0.00	53.93 3.39 0.00	61.49 4.13 0.00	74.20 4.93 -3.50	91.01 5.55 -8.36	190.14 7.68 -80.10	234.03 9.59 -93.06	262.58 11.08 -101.71	456.86 11.30 -300.76	642.18 10.83 -499.35	434.27 8.55 -320.19	260.20 5.89 -183.24	170.37 4.64 -109.78	76.43 3.94 -22.01	46.36 3.19 0.00
DASHVILLE___HYD 23610	39.59 2.86 0.00	36.09 2.14 0.00	32.86 1.92 0.00	31.74 1.85 0.00	31.15 1.82 0.00	31.62 1.76 0.00	39.06 2.21 0.00	39.67 2.66 0.00	42.64 3.05 0.00	47.35 3.26 0.00	54.39 3.84 0.00	62.00 4.65 0.00	70.35 5.98 1.40	80.99 7.25 3.35	113.65 10.44 -0.85	143.52 13.80 1.66	168.09 15.58 -2.73	185.28 14.62 -25.85	172.97 13.07 -27.89	136.57 9.92 -21.11	93.44 5.54 -16.84	72.87 3.64 -13.28	57.17 3.03 -3.66	46.41 3.24 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	56.36 5.44 -14.20	53.92 4.45 -15.51	45.43 3.87 -10.63	42.57 3.71 -8.98	41.26 3.55 -8.37	41.71 3.61 -8.23	44.15 4.53 -2.77	46.83 5.37 -4.45	49.45 6.37 -3.49	52.38 6.53 -1.76	69.19 7.68 -10.96	140.25 9.35 -73.55	156.05 11.25 -79.04	268.11 13.26 -177.75	246.53 17.50 -126.67	279.57 22.20 -125.98	284.77 24.86 -110.12	350.15 23.31 -182.04	303.22 20.99 -150.22	263.40 16.46 -141.39	242.28 10.30 -160.92	213.75 8.34 -149.46	73.34 7.02 -15.85	58.73 5.87 -9.69
DELAWARE___LFGE 323621	38.69 1.65 -0.31	35.53 1.36 -0.22	32.33 1.27 -0.12	31.23 1.26 -0.09	30.73 1.32 -0.07	31.26 1.31 -0.09	38.84 1.66 -0.33	39.08 1.89 -0.18	41.92 1.98 -0.35	46.65 2.16 -0.39	53.57 2.53 -0.50	61.05 2.98 -0.71	70.16 3.42 -0.98	82.42 4.01 -1.31	118.38 5.22 -10.81	150.14 6.70 -12.06	171.35 7.64 -13.93	192.68 7.38 -40.50	195.44 6.86 -56.57	148.19 5.49 -37.16	97.38 3.70 -22.63	73.22 2.97 -14.30	56.47 2.52 -3.47	45.69 2.12 -0.41
DERFIELD_115KV_TB7 355931	37.17 0.44 0.00	34.06 0.31 0.20	31.06 0.28 0.16	30.01 0.27 0.14	29.50 0.29 0.13	30.01 0.30 0.15	37.22 0.37 0.00	37.45 0.44 0.00	40.06 0.48 0.00	44.62 0.53 0.00	51.15 0.61 0.00	57.52 0.69 0.52	66.08 0.79 0.47	79.92 0.93 -1.89	107.68 1.23 -4.09	138.09 1.58 -5.13	156.67 1.80 -5.09	150.73 1.74 -4.19	133.59 1.58 0.00	106.81 1.27 0.00	71.91 0.85 0.00	56.68 0.73 0.00	51.08 0.61 0.00	43.73 0.56 0.00
DOGLEVILLE___HYD 23807	37.46 0.73 0.00	34.33 0.58 0.20	31.28 0.49 0.16	30.22 0.48 0.14	29.73 0.53 0.13	30.27 0.57 0.15	37.62 0.78 0.00	37.90 0.89 0.00	40.46 0.87 0.00	45.06 0.97 0.00	51.61 1.06 0.00	58.09 1.26 0.52	66.81 1.51 0.47	80.76 1.77 -1.89	108.70 2.25 -4.09	139.54 3.02 -5.13	158.32 3.45 -5.09	152.46 3.47 -4.19	135.17 3.16 0.00	108.18 2.64 0.00	72.84 1.78 0.00	57.40 1.45 0.00	51.69 1.21 0.00	44.16 0.99 0.00
DUNKIRK___115KV_TB_200 55889	37.72 0.99 0.00	34.23 0.27 0.00	30.94 0.00 0.00	29.82 -0.06 0.00	29.45 0.12 0.00	30.19 0.33 0.00	36.48 -0.37 0.00	36.97 -0.04 0.00	40.18 0.59 0.00	44.97 0.88 0.00	51.71 1.16 0.00	58.44 1.09 0.00	67.01 1.25 0.00	78.79 1.70 0.00	103.81 -0.41 -1.86	131.04 -2.36 -2.02	149.40 -2.85 -2.46	148.21 -2.32 -5.73	132.31 -0.13 -0.43	107.65 2.11 0.00	72.69 1.63 0.00	58.02 2.07 0.00	52.45 1.97 0.00	45.03 1.86 0.00
DUNKIRK___1 23563	37.72 0.99 0.00	34.23 0.27 0.00	30.94 0.00 0.00	29.82 -0.06 0.00	29.45 0.12 0.00	30.19 0.33 0.00	36.48 -0.37 0.00	36.97 -0.04 0.00	40.18 0.59 0.00	44.97 0.88 0.00	51.71 1.16 0.00	58.44 1.09 0.00	67.01 1.25 0.00	78.79 1.70 0.00	103.81 -0.41 -1.86	131.04 -2.36 -2.02	149.40 -2.85 -2.46	148.21 -2.32 -5.73	132.31 -0.13 -0.43	107.65 2.11 0.00	72.69 1.63 0.00	58.02 2.07 0.00	52.45 1.97 0.00	45.03 1.86 0.00
DUNKIRK___2 23564	37.72 0.99 0.00	34.23 0.27 0.00	30.94 0.00 0.00	29.82 -0.06 0.00	29.45 0.12 0.00	30.19 0.33 0.00	36.48 -0.37 0.00	36.97 -0.04 0.00	40.18 0.59 0.00	44.97 0.88 0.00	51.71 1.16 0.00	58.44 1.09 0.00	67.01 1.25 0.00	78.79 1.70 0.00	103.81 -0.41 -1.86	131.04 -2.36 -2.02	149.40 -2.85 -2.46	148.21 -2.32 -5.73	132.31 -0.13 -0.43	107.65 2.11 0.00	72.69 1.63 0.00	58.02 2.07 0.00	52.45 1.97 0.00	45.03 1.86 0.00
DUNKIRK___3 23565	37.46 0.73 0.00	33.99 0.03 0.00	30.78 -0.15 0.00	29.64 -0.24 0.00	29.28 -0.06 0.00	30.01 0.15 0.00	36.22 -0.63 0.00	36.71 -0.30 0.00	39.87 0.28 0.00	44.62 0.53 0.00	51.25 0.71 0.00	57.93 0.57 0.00	66.49 0.72 0.00	78.10 1.00 0.00	102.98 -1.23 -1.85	129.98 -3.42 -2.01	148.34 -3.89 -2.45	147.17 -3.33 -5.70	131.38 -1.06 -0.43	106.81 1.27 0.00	72.12 1.07 0.00	57.57 1.62 0.00	52.04 1.56 0.00	44.68 1.51 0.00
DUNKIRK___4 23566	37.46 0.73 0.00	33.99 0.03 0.00	30.78 -0.15 0.00	29.64 -0.24 0.00	29.28 -0.06 0.00	30.01 0.15 0.00	36.22 -0.63 0.00	36.71 -0.30 0.00	39.87 0.28 0.00	44.62 0.53 0.00	51.25 0.71 0.00	57.93 0.57 0.00	66.49 0.72 0.00	78.10 1.00 0.00	102.98 -1.23 -1.85	129.98 -3.42 -2.01	148.34 -3.89 -2.45	147.17 -3.33 -5.70	131.38 -1.06 -0.43	106.81 1.27 0.00	72.12 1.07 0.00	57.57 1.62 0.00	52.04 1.56 0.00	44.68 1.51 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	40.11 3.38 0.00	36.50 2.55 0.00	33.23 2.29 0.00	32.03 2.15 0.00	31.45 2.11 0.00	32.01 2.15 0.00	39.58 2.73 0.00	40.41 3.40 0.00	43.51 3.92 0.00	48.24 4.14 0.00	55.25 4.70 0.00	62.97 5.62 0.00	72.79 6.38 -0.65	86.28 7.63 -1.55	130.43 11.05 -17.02	165.57 14.58 -19.60	187.98 16.48 -21.72	215.27 15.35 -55.12	202.90 13.46 -57.42	151.06 10.34 -35.18	97.03 6.61 -19.37	70.92 4.81 -10.16	56.83 4.29 -2.06	46.97 3.80 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	39.52 2.79 0.00	36.06 2.11 0.00	32.83 1.89 0.00	31.68 1.79 0.00	31.09 1.76 0.00	31.62 1.76 0.00	39.06 2.21 0.00	39.75 2.74 0.00	42.76 3.17 0.00	47.49 3.39 0.00	54.54 3.99 0.00	62.11 4.76 0.00	71.63 5.46 -0.40	84.61 6.55 -0.96	126.22 9.42 -14.45	160.24 12.48 -16.37	182.47 14.08 -18.61	207.14 13.32 -49.02	194.47 11.88 -50.58	145.86 8.97 -31.35	94.79 5.97 -17.77	69.71 4.31 -9.45	56.34 3.79 -2.07	46.45 3.28 0.00

E179THST_138_KV_TB4_REV_LBMP_J 345001	40.45 3.71 -0.01	36.95 2.99 -0.01	33.61 2.66 -0.01	32.40 2.51 -0.01	31.81 2.46 -0.01	32.19 2.33 0.00	39.69 2.84 0.00	40.71 3.70 0.00	43.76 4.16 -0.02	48.28 4.19 0.00	55.04 4.50 0.01	62.68 5.33 0.01	72.32 5.92 -0.64	85.73 7.09 -1.54	130.02 10.65 -17.02	165.30 14.32 -19.60	187.38 15.88 -21.72	214.69 14.77 -55.12	202.24 12.80 -57.42	150.32 9.60 -35.17	96.60 6.18 -19.36	70.75 4.64 -10.15	56.83 4.29 -2.06	47.41 4.23 -0.01
E179THST_13_KV_LOAD 356214	40.74 4.00 -0.01	37.19 3.23 -0.01	33.82 2.88 -0.01	32.58 2.69 -0.01	31.98 2.64 -0.01	32.37 2.51 0.00	39.94 3.10 0.00	40.97 3.96 0.00	44.04 4.43 -0.02	48.63 4.54 0.00	55.44 4.90 0.01	63.20 5.85 0.01	72.85 6.44 -0.64	86.35 7.71 -1.54	130.94 11.57 -17.02	166.49 15.50 -19.60	188.73 17.22 -21.72	215.99 16.07 -55.12	203.42 13.99 -57.42	151.27 10.55 -35.17	97.31 6.89 -19.36	71.20 5.09 -10.15	57.28 4.75 -2.06	47.75 4.58 -0.01
EAST HAMPTON___GT 23717	56.62 5.69 -14.20	54.15 4.69 -15.51	45.71 4.15 -10.63	42.77 3.91 -8.98	41.46 3.76 -8.37	41.92 3.82 -8.23	44.41 4.79 -2.77	47.16 5.70 -4.45	49.93 6.85 -3.49	52.46 6.61 -1.76	69.44 7.94 -10.96	140.66 9.75 -73.56	157.05 12.23 -79.06	269.07 14.19 -177.79	246.95 17.91 -126.69	280.11 22.73 -125.99	285.37 25.46 -110.13	350.59 23.75 -182.04	303.35 21.12 -150.22	263.42 16.46 -141.42	242.16 10.16 -160.95	214.16 8.72 -149.49	73.45 7.12 -15.85	58.99 6.13 -9.69
EAST RIVER___6 23660	40.37 3.64 0.00	36.67 2.72 0.00	33.35 2.41 0.00	32.12 2.24 0.00	31.48 2.14 0.00	32.04 2.18 0.00	39.69 2.84 0.00	40.71 3.70 0.00	43.88 4.28 -0.02	48.68 4.59 0.00	55.50 4.96 0.00	63.37 6.02 0.00	73.12 6.71 -0.65	86.59 7.94 -1.55	131.04 11.66 -17.02	166.48 15.50 -19.60	188.72 17.22 -21.72	215.85 15.93 -55.12	203.16 13.73 -57.42	151.27 10.55 -35.18	97.18 6.75 -19.36	70.98 4.87 -10.16	57.03 4.49 -2.06	47.18 4.02 0.00
EAST RIVER___7 23524	40.37 3.64 0.00	36.67 2.72 0.00	33.35 2.41 0.00	32.12 2.24 0.00	31.48 2.14 0.00	32.04 2.18 0.00	39.69 2.84 0.00	40.71 3.70 0.00	43.88 4.28 -0.02	48.68 4.59 0.00	55.50 4.96 0.00	63.37 6.02 0.00	73.12 6.71 -0.65	86.59 7.94 -1.55	131.04 11.66 -17.02	166.48 15.50 -19.60	188.72 17.22 -21.72	215.85 15.93 -55.12	203.16 13.73 -57.42	151.27 10.55 -35.18	97.18 6.75 -19.36	70.98 4.87 -10.16	57.03 4.49 -2.06	47.18 4.02 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	40.00 3.27 0.00	36.43 2.48 0.00	33.17 2.23 0.00	31.97 2.09 0.00	31.39 2.05 0.00	31.92 2.06 0.00	39.47 2.62 0.00	40.30 3.29 0.00	43.35 3.76 0.00	48.10 4.01 0.00	55.09 4.55 0.00	62.80 5.45 0.00	72.59 6.18 -0.65	86.04 7.40 -1.54	130.07 10.75 -16.97	165.11 14.19 -19.54	187.31 15.88 -21.66	214.53 14.77 -54.96	202.34 13.07 -57.26	150.55 9.92 -35.08	96.70 6.32 -19.31	70.73 4.64 -10.14	56.67 4.14 -2.06	46.84 3.67 0.00
EAST_HAMPTON___DIESEL 23722	56.58 5.65 -14.20	54.12 4.65 -15.51	45.68 4.12 -10.63	42.74 3.88 -8.98	41.43 3.73 -8.37	41.89 3.79 -8.23	44.37 4.76 -2.77	47.13 5.66 -4.45	49.89 6.81 -3.49	52.46 6.61 -1.76	69.39 7.88 -10.96	140.61 9.70 -73.56	156.99 12.16 -79.06	268.99 14.11 -177.79	246.85 17.81 -126.69	279.98 22.61 -125.99	285.23 25.32 -110.13	350.45 23.61 -182.04	303.22 20.99 -150.22	263.21 16.25 -141.42	242.02 10.02 -160.95	214.05 8.61 -149.49	73.34 7.01 -15.85	58.91 6.04 -9.69
EAST_POINT___SOLAR 323840	40.73 4.00 0.00	37.45 3.50 0.00	34.00 3.06 0.00	32.81 2.93 0.00	32.27 2.93 0.00	32.88 3.01 0.00	40.31 3.46 0.00	39.75 2.74 0.00	41.73 2.14 0.00	46.51 2.42 0.00	53.17 2.63 0.00	61.60 4.24 0.00	72.20 5.00 -1.44	86.32 5.79 -3.44	169.47 7.78 -59.34	207.66 9.47 -66.81	236.77 10.33 -76.66	408.49 13.47 -250.23	580.80 15.57 -433.22	401.10 13.51 -282.04	246.57 9.31 -166.21	166.07 7.39 -102.74	78.61 6.51 -21.61	48.05 4.88 0.00
EAST_PULASKI___ESR 323781	39.24 -0.40 -2.92	34.63 -0.54 -1.22	30.88 -0.56 -0.50	29.55 -0.57 -0.24	28.95 -0.50 -0.11	29.57 -0.48 -0.19	39.46 -0.55 -3.16	38.38 -0.37 -1.74	42.46 -0.47 -3.35	47.32 -0.53 -3.76	54.67 -0.66 -4.78	61.34 -0.63 -4.61	71.72 -0.66 -6.61	80.44 -0.70 -4.04	98.36 -1.53 2.46	126.18 -2.11 3.10	148.69 -2.24 -1.15	145.00 -1.73 -1.93	145.15 -0.92 -14.05	117.24 -0.21 -11.91	79.98 0.00 -8.92	61.97 0.06 -5.96	54.89 -0.10 -4.51	46.83 -0.21 -3.87
EAST_RIVER___1 323558	40.44 3.71 0.00	36.74 2.78 0.00	33.42 2.48 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.80 2.95 0.00	40.79 3.78 0.00	43.92 4.32 -0.02	48.68 4.59 0.00	55.55 5.01 0.00	63.37 6.02 0.00	73.19 6.78 -0.65	86.74 8.09 -1.55	131.24 11.87 -17.02	166.61 15.63 -19.60	189.02 17.52 -21.72	216.13 16.21 -55.12	203.56 14.13 -57.42	151.49 10.77 -35.18	97.39 6.97 -19.36	71.09 4.98 -10.16	57.08 4.54 -2.06	47.23 4.06 0.00
EAST_RIVER___2 323559	40.37 3.64 0.00	36.67 2.72 0.00	33.35 2.41 0.00	32.12 2.24 0.00	31.48 2.14 0.00	32.04 2.18 0.00	39.69 2.84 0.00	40.71 3.70 0.00	43.88 4.28 -0.02	48.68 4.59 0.00	55.50 4.96 0.00	63.37 6.02 0.00	73.12 6.71 -0.65	86.59 7.94 -1.55	131.04 11.66 -17.02	166.48 15.50 -19.60	188.72 17.22 -21.72	215.85 15.93 -55.12	203.16 13.73 -57.42	151.27 10.55 -35.18	97.18 6.75 -19.36	70.98 4.87 -10.16	57.03 4.49 -2.06	47.18 4.02 0.00
EAST___DELAWARE_HYD 23607	38.71 1.98 0.00	35.28 1.32 0.00	32.11 1.18 0.00	30.99 1.11 0.00	30.45 1.11 0.00	30.97 1.11 0.00	38.32 1.48 0.00	38.93 1.92 0.00	42.60 3.01 0.00	47.31 3.22 0.00	54.23 3.69 0.00	61.83 4.48 0.00	70.96 5.19 0.00	83.34 6.24 0.00	121.81 9.01 -10.44	154.76 12.08 -11.29	174.94 11.38 -13.78	195.89 10.87 -40.22	184.09 9.91 -42.18	139.88 7.39 -26.95	92.24 4.90 -16.28	69.52 3.30 -10.27	55.50 2.77 -2.25	45.46 2.29 0.00
EIGHT_POINT___WT_PWR 323820	38.03 0.92 -0.38	34.43 0.20 -0.27	31.15 0.06 -0.15	30.05 0.06 -0.11	29.54 0.12 -0.09	30.24 0.27 -0.11	37.04 -0.22 -0.41	37.20 -0.04 -0.23	40.42 0.40 -0.44	45.33 0.75 -0.49	52.03 0.86 -0.62	58.88 0.63 -0.89	66.91 -0.07 -1.22	77.65 -1.08 -1.63	103.18 -3.48 -4.30	131.37 -5.13 -5.11	151.31 -3.74 -5.26	152.86 -0.72 -8.78	135.97 1.59 -2.37	110.05 2.95 -1.55	74.43 2.21 -1.16	58.74 2.01 -0.78	52.58 1.51 -0.59	44.93 1.25 -0.51
ELBRIDGE_115KV_TB2 80188	38.82 0.15 -1.94	35.09 -0.03 -1.17	31.46 -0.09 -0.61	30.18 -0.12 -0.41	29.56 -0.09 -0.32	30.24 -0.03 -0.40	38.85 -0.11 -2.11	38.24 0.07 -1.16	41.94 0.12 -2.23	46.81 0.22 -2.50	53.98 0.25 -3.18	61.77 0.40 -4.01	71.82 0.46 -5.59	85.56 0.62 -7.85	111.92 0.31 -9.26	143.59 0.13 -12.07	161.17 0.30 -11.08	154.38 0.72 -8.86	142.42 1.06 -9.35	114.63 1.16 -7.92	77.85 0.85 -5.94	60.59 0.67 -3.97	54.04 0.56 -3.00	46.09 0.35 -2.58
ELEC_TRO_TEK 24086	54.77 3.86 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.43 2.57 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.82 3.21 -2.77	45.35 3.89 -4.45	47.51 4.43 -3.49	50.57 4.72 -1.76	55.85 5.31 0.00	84.71 6.42 -20.93	88.22 7.30 -15.15	134.20 8.63 -48.47	188.07 12.49 -73.23	275.66 16.42 -127.86	342.11 18.42 -173.91	389.44 17.23 -227.41	318.80 15.31 -171.47	240.19 11.72 -122.94	97.81 7.39 -19.36	75.24 5.60 -13.69	61.88 5.00 -6.40	53.38 4.40 -5.81

ELLENBURG_WT_PWR 323604	35.11 -1.62 0.00	32.73 -1.22 0.00	29.83 -1.11 0.00	28.87 -1.02 0.00	28.25 -1.08 0.00	28.76 -1.10 0.00	35.67 -1.18 0.00	35.46 -1.55 0.00	37.89 -1.70 0.00	42.37 -1.72 0.00	48.83 -1.72 0.00	54.09 -3.27 0.00	58.80 -4.34 2.63	69.08 -4.94 3.08	89.24 -6.55 6.56	114.72 -8.27 8.39	133.49 -9.29 7.00	130.25 -9.12 5.44	123.17 -8.84 0.00	98.47 -7.07 0.00	66.16 -4.90 0.00	52.43 -3.52 0.00	47.96 -2.52 0.00	40.58 -2.59 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	37.02 0.29 0.00	33.62 -0.34 0.00	30.44 -0.50 0.00	29.31 -0.57 0.00	28.95 -0.38 0.00	29.68 -0.18 0.00	35.82 -1.03 0.00	36.12 -0.89 0.00	39.19 -0.40 0.00	43.83 -0.26 0.00	50.24 -0.30 0.00	56.84 -0.52 0.00	65.11 -0.66 0.00	76.48 -0.62 0.00	100.72 -3.38 -1.74	127.10 -6.18 -1.89	144.89 -7.19 -2.30	143.79 -6.37 -5.36	128.32 -4.09 -0.41	104.59 -0.95 0.00	70.63 -0.43 0.00	56.51 0.56 0.00	51.29 0.81 0.00	44.08 0.91 0.00
EMPIRE_CC_1 323656	38.34 1.61 0.00	35.24 1.29 0.00	32.30 1.36 0.00	31.17 1.28 0.00	30.62 1.29 0.00	31.15 1.28 0.00	38.21 1.36 0.00	38.64 1.63 0.00	41.17 1.59 0.00	45.77 1.68 0.00	52.42 1.87 0.00	59.59 2.23 0.00	72.41 2.70 -3.95	89.71 3.16 -9.45	163.37 4.50 -56.51	205.70 5.92 -68.39	226.59 6.75 -70.06	318.52 6.22 -167.50	362.21 5.41 -224.79	246.73 4.23 -136.96	145.06 2.77 -71.23	99.58 2.07 -41.56	58.44 1.87 -6.09	45.11 1.94 0.00
EMPIRE_CC_2 323658	38.34 1.61 0.00	35.24 1.29 0.00	32.30 1.36 0.00	31.17 1.28 0.00	30.62 1.29 0.00	31.15 1.28 0.00	38.21 1.36 0.00	38.64 1.63 0.00	41.17 1.59 0.00	45.77 1.68 0.00	52.42 1.87 0.00	59.59 2.23 0.00	72.41 2.70 -3.95	89.71 3.16 -9.45	163.37 4.50 -56.51	205.70 5.92 -68.39	226.59 6.75 -70.06	318.52 6.22 -167.50	362.21 5.41 -224.79	246.73 4.23 -136.96	145.06 2.77 -71.23	99.58 2.07 -41.56	58.44 1.87 -6.09	45.11 1.94 0.00
ENORWICH_115KV_TB1 80156	40.60 3.16 -0.71	37.00 2.55 -0.50	33.36 2.13 -0.28	32.15 2.06 -0.20	31.85 2.35 -0.16	32.52 2.45 -0.20	41.09 3.46 -0.77	41.28 3.85 -0.43	44.09 3.68 -0.82	49.06 4.06 -0.92	56.26 4.55 -1.17	64.01 4.99 -1.66	73.89 5.85 -2.27	87.17 7.02 -3.05	119.44 8.50 -8.58	152.57 11.04 -10.15	174.12 13.78 -10.56	182.29 14.48 -23.01	175.07 14.52 -28.54	137.06 12.35 -19.17	91.52 8.46 -12.00	70.32 6.71 -7.65	58.29 5.35 -2.46	48.34 4.23 -0.94
ERIE_ST_34_KV_TB1-2 80199	37.32 0.59 0.00	33.82 -0.14 0.00	30.63 -0.31 0.00	29.49 -0.39 0.00	29.13 -0.21 0.00	29.86 0.00 0.00	36.11 -0.74 0.00	36.53 -0.48 0.00	39.71 0.12 0.00	44.49 0.40 0.00	51.10 0.56 0.00	57.76 0.40 0.00	66.29 0.53 0.00	78.02 0.93 0.00	102.95 -1.23 -1.82	129.94 -3.42 -1.97	148.29 -3.89 -2.40	147.06 -3.33 -5.59	131.38 -1.06 -0.42	106.70 1.16 0.00	71.91 0.85 0.00	57.35 1.40 0.00	51.84 1.36 0.00	44.51 1.34 0.00
ERIE_WT_PWR 323693	37.17 0.44 0.00	33.79 -0.17 0.00	30.60 -0.34 0.00	29.58 -0.30 0.00	29.10 -0.24 0.00	29.83 -0.03 0.00	36.07 -0.78 0.00	36.30 -0.70 0.00	39.47 -0.12 0.00	44.18 0.09 0.00	50.65 0.10 0.00	57.01 -0.34 0.00	65.63 -0.13 0.00	77.17 0.08 0.00	101.69 -2.46 -1.79	128.33 -4.99 -1.94	146.31 -5.84 -2.37	145.24 -5.07 -5.51	129.79 -2.64 -0.42	105.65 0.11 0.00	71.34 0.29 0.00	56.96 1.01 0.00	51.59 1.11 0.00	44.42 1.25 0.00
ESPRGFLD_115KV_TB1 80157	39.48 2.75 0.00	36.30 2.34 0.00	33.01 2.07 0.00	31.88 2.00 0.00	31.42 2.08 0.00	32.04 2.18 0.00	39.69 2.84 0.00	39.93 2.92 0.00	42.48 2.89 0.00	47.35 3.26 0.00	54.29 3.74 0.00	61.94 4.59 0.00	72.19 5.39 -1.03	85.89 6.32 -2.47	154.07 8.09 -43.63	190.71 10.25 -49.08	217.56 11.38 -56.39	339.68 12.02 -182.87	455.84 12.01 -311.82	318.42 10.03 -202.86	197.35 6.75 -119.54	135.16 5.37 -73.84	70.61 4.59 -15.54	46.67 3.50 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	39.04 1.32 -0.99	35.60 0.95 -0.70	32.10 0.77 -0.39	30.88 0.72 -0.28	30.36 0.79 -0.23	31.01 0.87 -0.28	38.99 1.07 -1.07	38.89 1.30 -0.59	42.07 1.35 -1.13	46.95 1.59 -1.27	53.99 1.82 -1.62	61.73 2.06 -2.31	71.29 2.37 -3.16	84.12 2.78 -4.24	113.25 2.97 -7.92	144.84 3.68 -9.77	163.81 4.64 -9.38	165.15 5.21 -15.14	154.26 5.68 -16.58	122.22 5.07 -11.62	82.14 3.48 -7.60	63.66 2.80 -4.91	54.96 2.32 -2.16	46.25 1.77 -1.31
ETNA____115KV_TB2 80207	39.04 1.32 -0.99	35.60 0.95 -0.70	32.10 0.77 -0.39	30.88 0.72 -0.28	30.36 0.79 -0.23	31.01 0.87 -0.28	38.99 1.07 -1.07	38.89 1.30 -0.59	42.07 1.35 -1.13	46.95 1.59 -1.27	53.99 1.82 -1.62	61.73 2.06 -2.31	71.29 2.37 -3.16	84.12 2.78 -4.24	113.25 2.97 -7.92	144.84 3.68 -9.77	163.81 4.64 -9.38	165.15 5.21 -15.14	154.26 5.68 -16.58	122.22 5.07 -11.62	82.14 3.48 -7.60	63.66 2.80 -4.91	54.96 2.32 -2.16	46.25 1.77 -1.31
EUCLID____115KV_TB2 356179	37.42 -0.15 -0.84	33.98 -0.31 -0.33	30.76 -0.31 -0.13	29.61 -0.33 -0.06	29.06 -0.29 -0.02	29.63 -0.27 -0.04	37.35 -0.41 -0.91	37.29 -0.22 -0.50	40.35 -0.20 -0.96	45.04 -0.13 -1.08	51.82 -0.10 -1.37	58.57 -0.06 -1.28	67.65 0.00 -1.89	80.06 0.00 -2.97	105.10 -0.41 -3.15	134.63 -0.79 -4.03	153.54 -0.75 -4.51	148.04 -0.58 -3.82	135.91 -0.13 -4.04	109.17 0.21 -3.42	73.76 0.14 -2.56	57.83 0.17 -1.71	51.82 0.05 -1.29	44.28 0.00 -1.11
E_CANADA_CAP_HY 24051	40.26 3.53 0.00	37.04 3.09 0.00	33.63 2.69 0.00	32.48 2.60 0.00	31.94 2.61 0.00	32.58 2.72 0.00	40.24 3.39 0.00	40.23 3.22 0.00	42.68 3.09 0.00	47.57 3.48 0.00	54.44 3.89 0.00	62.34 4.99 0.00	73.03 5.92 -1.34	87.16 6.86 -3.20	167.11 9.22 -55.54	205.20 11.30 -62.52	233.53 11.99 -71.76	392.20 13.47 -233.93	549.99 14.13 -403.85	380.35 11.92 -262.88	234.07 8.10 -154.92	158.07 6.38 -95.75	76.42 5.80 -20.14	47.53 4.36 0.00
E_CANADA_MHWK_HY 24050	37.46 0.73 0.00	34.33 0.58 0.20	31.28 0.49 0.16	30.22 0.48 0.14	29.73 0.53 0.13	30.27 0.57 0.15	37.62 0.78 0.00	37.90 0.89 0.00	40.46 0.87 0.00	45.06 0.97 0.00	51.61 1.06 0.00	58.09 1.26 0.52	66.81 1.51 0.47	80.76 1.77 -1.89	108.70 2.25 -4.09	139.54 3.02 -5.13	158.32 3.45 -5.09	152.46 3.47 -4.19	135.17 3.16 0.00	108.18 2.64 0.00	72.84 1.78 0.00	57.40 1.45 0.00	51.69 1.21 0.00	44.16 0.99 0.00
E_FISHKILL____LBMP 23776	39.52 2.79 0.00	36.09 2.14 0.00	32.86 1.92 0.00	31.71 1.82 0.00	31.12 1.79 0.00	31.65 1.79 0.00	39.10 2.25 0.00	39.82 2.81 0.00	42.76 3.17 0.00	47.44 3.35 0.00	54.39 3.84 0.00	61.94 4.59 0.00	71.63 5.20 -0.67	84.94 6.24 -1.60	128.87 9.01 -17.51	163.51 11.96 -20.17	185.45 13.33 -22.34	213.89 12.45 -56.64	201.93 10.96 -58.97	149.99 8.34 -36.12	96.32 5.40 -19.87	70.28 3.92 -10.41	56.07 3.48 -2.11	46.32 3.15 0.00
FALCON____SEABRD_CC1 323796	35.41 -1.32 0.00	33.00 -0.95 0.00	30.07 -0.87 0.00	29.11 -0.78 0.00	28.46 -0.88 0.00	29.00 -0.87 0.00	36.00 -0.85 0.00	35.82 -1.19 0.00	38.24 -1.35 0.00	42.77 -1.32 0.00	49.28 -1.26 0.00	53.74 -3.61 0.00	57.95 -5.20 2.62	67.91 -6.01 3.17	87.81 -7.78 6.76	112.88 -9.86 8.65	131.48 -11.08 7.22	128.34 -10.86 5.60	121.44 -10.57 0.00	97.09 -8.45 0.00	65.16 -5.90 0.00	52.14 -3.81 0.00	48.41 -2.07 0.00	40.92 -2.25 0.00

FALCON___SEABRD_CC2 323797	35.41 -1.32 0.00	33.00 -0.95 0.00	30.07 -0.87 0.00	29.11 -0.78 0.00	28.46 -0.88 0.00	29.00 -0.87 0.00	36.00 -0.85 0.00	35.82 -1.19 0.00	38.24 -1.35 0.00	42.77 -1.32 0.00	49.28 -1.26 0.00	53.74 -3.61 0.00	57.95 -5.20 2.62	67.91 -6.01 3.17	87.81 -7.78 6.76	112.88 -9.86 8.65	131.48 -11.08 7.22	128.34 -10.86 5.60	121.44 -10.57 0.00	97.09 -8.45 0.00	65.16 -5.90 0.00	52.14 -3.81 0.00	48.41 -2.07 0.00	40.92 -2.25 0.00
FAR ROCKAWAY___4 23548	55.62 4.70 -14.19	53.17 3.70 -15.51	44.82 3.25 -10.63	41.94 3.08 -8.98	40.70 2.99 -8.37	41.14 3.05 -8.23	43.38 3.76 -2.77	45.94 4.48 -4.45	48.18 5.11 -3.49	51.41 5.56 -1.76	56.96 6.42 0.00	85.63 7.34 -20.93	86.70 7.69 -13.24	122.70 9.17 -36.42	178.41 13.31 -62.74	264.67 17.47 -115.81	322.81 19.77 -153.26	376.20 18.68 -212.72	313.10 16.50 -164.59	238.00 12.66 -119.79	98.37 7.96 -19.36	76.19 6.55 -13.69	62.79 5.91 -6.40	54.55 5.57 -5.81
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	40.44 3.71 0.00	36.77 2.82 0.00	33.41 2.48 0.00	32.21 2.33 0.00	31.62 2.29 0.00	32.16 2.30 0.00	39.80 2.95 0.00	40.78 3.77 0.00	43.92 4.32 -0.02	48.68 4.59 0.00	55.65 5.11 0.00	63.38 6.02 0.00	73.19 6.77 -0.65	86.74 8.10 -1.55	131.25 11.87 -17.02	166.62 15.63 -19.60	189.02 17.52 -21.72	216.28 16.36 -55.12	203.69 14.26 -57.42	151.59 10.87 -35.18	97.32 6.89 -19.36	71.09 4.98 -10.16	57.08 4.54 -2.06	47.23 4.06 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	40.44 3.71 0.00	36.77 2.82 0.00	33.45 2.51 0.00	32.24 2.36 0.00	31.62 2.29 0.00	32.16 2.30 0.00	39.83 2.98 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.68 4.59 0.00	55.65 5.11 0.00	63.38 6.02 0.00	73.19 6.77 -0.65	86.74 8.10 -1.55	131.25 11.87 -17.02	166.62 15.63 -19.60	189.02 17.52 -21.72	216.28 16.36 -55.12	203.69 14.26 -57.42	151.59 10.87 -35.18	97.32 6.89 -19.36	71.15 5.04 -10.16	57.13 4.59 -2.06	47.27 4.10 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	40.40 3.67 0.00	36.74 2.78 0.00	33.41 2.48 0.00	32.21 2.33 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.80 2.95 0.00	40.78 3.77 0.00	43.92 4.32 -0.02	48.63 4.54 0.00	55.60 5.05 0.00	63.32 5.96 0.00	73.12 6.71 -0.65	86.66 8.02 -1.55	131.15 11.77 -17.02	166.48 15.50 -19.60	188.87 17.37 -21.72	216.14 16.22 -55.12	203.55 14.12 -57.42	151.38 10.66 -35.18	97.24 6.82 -19.36	71.04 4.92 -10.16	57.03 4.49 -2.06	47.23 4.06 0.00
FARRAGUT___LBMP 323566	40.37 3.64 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.59 4.50 0.00	55.50 4.95 0.00	63.26 5.91 0.00	72.99 6.58 -0.65	86.59 7.94 -1.55	131.04 11.67 -17.02	166.22 15.24 -19.60	188.58 17.08 -21.72	215.85 15.93 -55.12	203.29 13.86 -57.42	151.27 10.55 -35.18	97.17 6.75 -19.36	70.98 4.87 -10.16	56.98 4.44 -2.06	47.18 4.01 0.00
FENNER___WINDPWR 24204	38.50 1.03 -0.75	34.90 0.78 -0.16	31.60 0.65 -0.01	30.46 0.63 0.05	29.97 0.70 0.07	30.57 0.78 0.07	38.73 1.07 -0.81	38.71 1.26 -0.45	41.68 1.23 -0.86	46.46 1.41 -0.96	53.38 1.62 -1.22	59.57 1.43 -0.78	68.82 1.78 -1.28	84.36 2.16 -5.10	113.10 2.66 -8.09	144.95 3.29 -10.28	163.98 4.05 -10.15	157.47 4.34 -8.33	139.96 4.35 -3.60	112.38 3.79 -3.05	75.97 2.63 -2.28	59.94 2.46 -1.53	53.60 1.97 -1.16	45.67 1.51 -0.99
FIBERTEK___ENERGY 23856	38.86 0.29 -1.83	35.13 0.10 -1.07	31.52 0.03 -0.55	30.25 0.00 -0.37	29.64 0.03 -0.28	30.31 0.09 -0.35	38.88 0.04 -1.99	38.33 0.22 -1.10	41.97 0.28 -2.10	46.90 0.44 -2.36	54.06 0.51 -3.01	61.80 0.75 -3.70	71.80 0.85 -5.18	85.43 1.00 -7.33	111.95 1.02 -8.57	143.60 1.05 -11.17	161.54 1.35 -10.41	154.76 1.59 -8.37	142.82 1.98 -8.83	114.82 1.79 -7.48	77.87 1.21 -5.61	60.65 0.95 -3.75	54.07 0.76 -2.83	46.16 0.56 -2.43
FITZPATRICK____ 23598	25.70 -0.84 10.18	25.87 -0.92 7.17	26.04 -0.87 4.03	26.13 -0.84 2.92	26.19 -0.79 2.35	26.16 -0.78 2.93	24.75 -1.03 11.06	30.00 -0.92 6.08	27.00 -0.91 11.68	30.00 -0.97 13.12	32.73 -1.11 16.70	32.30 -1.26 23.80	31.88 -1.38 32.50	31.78 -1.62 43.69	46.26 -2.46 53.64	57.55 -3.42 70.42	86.31 -3.74 59.73	94.89 -3.48 46.43	80.08 -2.90 49.03	62.00 -2.01 41.53	38.60 -1.35 31.11	34.16 -1.01 20.78	33.79 -0.96 15.73	28.80 -0.86 13.51
FLOWRFLD_69_KV_BK1 356044	55.56 4.63 -14.21	53.17 3.70 -15.51	44.82 3.25 -10.63	41.94 3.08 -8.98	40.70 2.99 -8.37	41.14 3.05 -8.23	43.49 3.87 -2.77	46.05 4.59 -4.45	48.38 5.30 -3.49	51.45 5.60 -1.76	71.17 5.96 -14.66	154.76 7.11 -90.30	176.53 8.09 -102.68	321.19 9.64 -234.46	272.36 13.92 -156.08	287.81 18.00 -138.42	281.01 20.22 -111.01	346.60 19.11 -182.68	299.57 17.03 -150.54	287.54 13.30 -168.70	287.99 8.24 -208.69	257.55 6.32 -195.28	75.12 5.60 -19.04	57.03 4.75 -9.11
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	39.89 3.16 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.91 2.03 0.00	31.30 1.97 0.00	31.86 2.00 0.00	39.39 2.54 0.00	40.08 3.07 0.00	43.07 3.48 0.00	47.93 3.84 0.00	54.99 4.45 0.00	62.69 5.33 -0.50	72.45 6.18 -1.21	85.78 7.48 -15.88	128.88 10.65 -18.10	163.67 14.19 -20.38	186.04 15.88 -52.98	212.84 15.06 -55.06	200.54 13.46 -34.00	149.67 10.13 -19.07	97.09 6.96 -9.83	70.82 5.04 -2.16	57.08 4.44 -2.16	46.97 3.80 0.00
FORT ORANGE____ 23900	38.20 1.47 0.00	35.38 1.43 0.00	32.27 1.33 0.00	31.17 1.28 0.00	30.60 1.26 0.00	31.12 1.25 0.00	38.36 1.51 0.00	38.71 1.70 0.00	40.97 1.38 0.00	45.54 1.45 0.00	52.11 1.57 0.00	58.96 1.60 11.72	55.88 1.84 28.03	51.22 2.16 80.15	25.69 3.48 108.29	27.69 4.60 92.37	62.51 5.10 119.71	30.15 5.07 117.78	18.72 4.49 117.78	61.05 3.28 47.76	78.43 2.06 -5.31	86.24 1.51 -28.78	64.18 1.81 -11.89	45.11 1.94 0.00
FORT_DRUM_COGEN 23780	37.20 -0.99 -1.46	31.38 -1.05 1.53	28.49 -1.02 1.43	27.38 -1.11 1.40	27.09 -0.88 1.36	27.44 -0.87 1.56	37.79 -0.63 -1.57	37.40 -0.48 -0.87	40.36 -0.91 -1.68	44.79 -1.19 -1.89	51.41 -1.52 -2.38	52.28 -1.78 3.29	60.21 -1.97 3.58	52.67 -2.31 22.11	46.74 -3.58 52.03	59.06 -4.60 67.73	99.11 -4.79 45.88	108.40 -3.91 32.49	136.81 -2.24 -7.05	110.77 -0.74 -5.97	75.46 -0.07 -4.47	58.94 0.00 -2.99	52.24 -0.50 -2.26	44.33 -0.78 -1.94
FOX_HILLS___ESR 323835	83.59 3.93 -42.93	37.02 3.06 -0.01	33.67 2.72 -0.01	32.46 2.57 -0.01	31.84 2.49 -0.01	32.31 2.45 0.00	39.94 3.10 0.00	40.93 3.92 0.00	44.04 4.43 -0.02	48.54 4.45 0.00	55.45 4.90 0.00	79.77 5.91 -16.51	75.53 6.58 -3.19	86.43 7.79 -1.55	130.74 11.36 -17.02	165.57 14.58 -19.60	187.83 16.33 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.53 9.82 -35.17	96.67 6.25 -19.36	75.85 4.92 -14.98	75.55 4.54 -20.53	47.49 4.32 0.00
FPL FAR_ROCK_GT1 24212	55.62 4.70 -14.19	53.17 3.70 -15.51	44.81 3.25 -10.63	41.94 3.08 -8.98	40.73 3.02 -8.37	41.14 3.05 -8.23	43.38 3.76 -2.77	45.94 4.48 -4.45	48.18 5.11 -3.49	51.41 5.56 -1.76	56.91 6.37 0.00	85.69 7.40 -20.93	86.70 7.69 -13.24	122.69 9.17 -36.42	178.40 13.30 -62.74	264.67 17.48 -115.81	322.81 19.77 -153.26	376.21 18.69 -212.72	313.10 16.50 -164.59	238.10 12.77 -119.79	98.44 8.03 -19.36	76.18 6.54 -13.69	62.74 5.85 -6.41	54.55 5.57 -5.81



FPL FAR_ROCK_GT2 23815	55.62 4.70 -14.19	53.17 3.70 -15.51	44.81 3.25 -10.63	41.94 3.08 -8.98	40.73 3.02 -8.37	41.14 3.05 -8.23	43.38 3.76 -2.77	45.94 4.48 -4.45	48.18 5.11 -3.49	51.41 5.56 -1.76	56.91 6.37 0.00	85.69 7.40 -20.93	86.70 7.69 -13.24	122.69 9.17 -36.42	178.40 13.30 -62.74	264.67 17.48 -115.81	322.81 19.77 -153.26	376.21 18.69 -212.72	313.10 16.50 -164.59	238.10 12.77 -119.79	98.44 8.03 -19.36	76.18 6.54 -13.69	62.74 5.85 -6.41	54.55 5.57 -5.81
FRANKLIN_FALL_HYD 24054	34.75 -1.98 0.00	29.40 -1.49 3.06	27.18 -1.36 2.40	26.42 -1.28 2.18	25.95 -1.35 2.03	26.15 -1.34 2.37	35.42 -1.40 0.03	35.31 -1.70 0.00	37.65 -1.94 0.00	42.02 -2.07 0.00	48.09 -2.43 0.03	45.82 -3.50 8.03	49.85 -4.21 11.70	59.14 -4.86 13.10	69.10 -6.24 27.01	87.38 -7.75 36.25	123.26 -8.84 17.69	126.24 -8.54 10.02	123.56 -8.45 0.00	98.89 -6.65 0.00	66.51 -4.55 0.00	52.31 -3.64 0.00	47.60 -2.88 0.00	40.32 -2.85 0.00
FREEPORT_EQUUS_GT1 23764	55.18 4.26 -14.19	52.80 3.33 -15.51	44.54 2.97 -10.63	41.67 2.81 -8.98	40.46 2.76 -8.37	40.90 2.81 -8.23	43.12 3.50 -2.77	45.64 4.18 -4.45	47.82 4.75 -3.49	50.96 5.11 -1.76	56.11 5.56 0.00	84.99 6.71 -20.93	87.52 7.63 -14.13	128.22 9.09 -42.03	183.19 13.21 -67.63	270.15 17.34 -121.42	332.27 19.62 -162.88	382.75 18.39 -219.56	316.17 16.37 -167.80	239.46 12.66 -121.26	98.37 7.96 -19.36	75.80 6.15 -13.69	62.49 5.60 -6.40	53.90 4.92 -5.81
FREEPORT___CT2 23818	55.18 4.26 -14.19	52.80 3.33 -15.51	44.54 2.97 -10.63	41.67 2.81 -8.98	40.46 2.76 -8.37	40.90 2.81 -8.23	43.12 3.50 -2.77	45.64 4.18 -4.45	47.82 4.75 -3.49	50.96 5.11 -1.76	56.11 5.56 0.00	84.99 6.71 -20.93	87.52 7.63 -14.13	128.22 9.09 -42.03	183.19 13.21 -67.63	270.15 17.34 -121.42	332.27 19.62 -162.88	382.75 18.39 -219.56	316.17 16.37 -167.80	239.46 12.66 -121.26	98.37 7.96 -19.36	75.80 6.15 -13.69	62.49 5.60 -6.40	53.90 4.92 -5.81
FRESHKLS_33_KV_LOAD 356253	43.72 3.89 -3.09	37.02 3.06 -0.01	33.67 2.72 -0.01	32.46 2.57 -0.01	31.87 2.52 -0.01	32.31 2.45 0.00	39.91 3.06 0.00	40.86 3.85 0.00	43.95 4.35 -0.01	47.09 4.36 1.37	47.16 4.80 8.18	49.16 5.85 14.04	58.69 6.44 13.52	72.10 7.71 12.71	112.81 11.36 0.91	142.56 14.58 3.41	160.87 16.33 5.24	173.19 15.35 -13.04	156.28 13.33 -10.93	136.41 9.92 -20.95	81.35 6.32 -3.97	59.10 4.92 1.77	48.32 4.49 6.66	46.35 4.27 1.09
FULTON COGEN____ 23766	39.86 -0.18 -3.32	35.64 -0.34 -2.02	31.64 -0.37 -1.07	30.22 -0.39 -0.73	29.54 -0.35 -0.56	30.27 -0.30 -0.71	40.01 -0.44 -3.60	38.73 -0.26 -1.98	43.16 -0.24 -3.81	48.19 -0.18 -4.28	55.78 -0.20 -5.44	64.17 -0.11 -6.93	75.27 -0.13 -9.64	88.81 -0.15 -11.87	114.26 -0.61 -12.52	146.89 -0.92 -16.42	164.20 -0.90 -15.31	156.51 -0.58 -12.29	147.85 -0.13 -15.98	119.29 0.21 -13.54	81.34 0.14 -10.14	62.89 0.17 -6.77	55.66 0.05 -5.13	47.53 -0.04 -4.40
FULTON___LFGE 323630	42.24 5.51 0.00	38.81 4.86 0.00	35.15 4.21 0.00	33.89 4.01 0.00	33.32 3.99 0.00	34.07 4.21 0.00	42.27 5.42 0.00	42.71 5.70 0.00	45.68 6.09 0.00	51.23 7.14 0.00	58.88 8.34 0.00	67.33 9.98 0.00	79.05 11.83 -1.45	93.98 13.41 -3.47	179.91 17.61 -59.94	220.16 21.28 -67.49	251.79 24.57 -77.45	423.68 26.06 -252.82	595.13 25.22 -437.90	410.69 20.06 -285.09	252.42 13.35 -168.01	170.44 10.63 -103.85	81.41 9.08 -21.85	49.90 6.73 0.00
G.F.CEMENT___DRP 24184	39.70 2.98 0.00	36.47 2.51 0.00	33.14 2.20 0.00	31.97 2.09 0.00	31.39 2.05 0.00	31.98 2.12 0.00	39.50 2.65 0.00	39.82 2.81 0.00	42.64 3.05 0.00	47.75 3.66 0.00	54.44 3.89 0.00	62.11 4.76 0.00	74.33 5.66 -2.91	90.30 6.24 -6.96	187.12 8.50 -76.26	229.72 10.51 -87.83	259.38 12.28 -97.32	454.02 12.60 -296.63	644.55 12.67 -499.87	437.79 10.13 -322.12	264.22 7.03 -186.13	174.23 5.60 -112.68	78.14 4.69 -22.96	46.75 3.58 0.00
GARDENVILLE___LBMP 24039	37.10 0.37 0.00	33.68 -0.27 0.00	30.51 -0.43 0.00	29.40 -0.48 0.00	29.01 -0.32 0.00	29.74 -0.12 0.00	35.89 -0.96 0.00	36.23 -0.78 0.00	39.31 -0.28 0.00	44.00 -0.09 0.00	50.44 -0.10 0.00	57.07 -0.29 0.00	65.37 -0.39 0.00	76.79 -0.31 0.00	101.28 -2.87 -1.79	127.80 -5.52 -1.93	145.70 -6.44 -2.36	144.64 -5.65 -5.48	129.12 -3.30 -0.42	105.12 -0.42 0.00	70.99 -0.07 0.00	56.79 0.84 0.00	51.44 0.96 0.00	44.20 1.04 0.00
GARDNVLA_35_KV_LD 355827	37.28 0.55 0.00	33.85 -0.10 0.00	30.66 -0.28 0.00	29.52 -0.36 0.00	29.13 -0.21 0.00	29.89 0.03 0.00	36.08 -0.77 0.00	36.42 -0.59 0.00	39.55 -0.04 0.00	44.27 0.18 0.00	50.75 0.20 0.00	57.41 0.06 0.00	65.76 0.00 0.00	77.33 0.23 0.00	102.00 -2.15 -1.80	128.73 -4.60 -1.94	146.76 -5.39 -2.37	145.69 -4.63 -5.52	130.05 -2.38 -0.42	105.86 0.32 0.00	71.48 0.43 0.00	57.13 1.17 0.00	51.79 1.31 0.00	44.51 1.34 0.00
GELCKHM___115KV_LOAD 80723	37.92 0.00 -1.19	34.38 -0.17 -0.60	31.00 -0.22 -0.28	29.81 -0.24 -0.17	29.24 -0.21 -0.11	29.87 -0.15 -0.15	37.88 -0.26 -1.29	37.65 -0.07 -0.71	40.92 -0.04 -1.37	45.71 0.09 -1.54	52.60 0.10 -1.95	59.73 0.23 -2.15	69.09 0.26 -3.07	81.93 0.31 -4.52	107.55 0.10 -5.09	137.84 -0.13 -6.59	156.39 0.00 -6.61	150.52 0.29 -5.43	138.41 0.66 -5.74	111.14 0.74 -4.86	75.20 0.50 -3.64	58.83 0.45 -2.43	52.62 0.30 -1.84	44.92 0.17 -1.58
GENERAL___MILLS 23808	37.21 0.48 0.00	33.79 -0.17 0.00	30.60 -0.34 0.00	29.46 -0.42 0.00	29.07 -0.26 0.00	29.83 -0.03 0.00	36.00 -0.85 0.00	36.34 -0.67 0.00	39.43 -0.16 0.00	44.13 0.04 0.00	50.60 0.05 0.00	57.24 -0.11 0.00	65.57 -0.20 0.00	77.10 0.00 0.00	101.69 -2.46 -1.79	128.20 -5.12 -1.94	146.31 -5.84 -2.37	145.10 -5.21 -5.51	129.52 -2.90 -0.42	105.54 0.00 0.00	71.20 0.14 0.00	56.96 1.01 0.00	51.64 1.16 0.00	44.38 1.21 0.00
GE_PLASTICS___DRP 24183	37.94 1.21 0.00	34.94 0.98 0.00	31.90 0.96 0.00	30.81 0.93 0.00	30.24 0.91 0.00	30.76 0.90 0.00	37.92 1.07 0.00	38.23 1.22 0.00	40.78 1.19 0.00	45.37 1.28 0.00	51.96 1.42 0.00	58.90 1.55 0.00	60.13 1.58 7.21	61.70 1.85 17.25	63.72 2.87 41.50	76.89 3.68 58.18	107.45 4.19 46.52	107.77 3.76 40.79	107.92 3.30 27.39	107.92 2.43 0.05	93.61 1.56 -20.99	86.19 1.17 -29.07	62.06 1.82 -9.77	45.03 1.86 0.00
GILBOA___1 23756	38.27 1.54 0.00	35.38 1.43 0.00	32.33 1.39 0.00	31.32 1.43 0.00	30.77 1.44 0.00	31.21 1.35 0.00	38.47 1.62 0.00	38.68 1.67 0.00	41.25 1.66 0.00	45.86 1.77 0.00	52.57 2.02 0.00	59.82 2.46 0.00	68.59 2.83 0.00	80.26 3.16 0.00	115.85 3.99 -9.50	146.78 5.12 -10.28	168.01 5.69 -12.54	183.87 5.21 -33.87	161.76 4.75 -25.00	124.69 3.69 -15.46	83.10 2.70 -9.34	64.08 2.24 -5.89	53.79 2.02 -1.29	44.98 1.81 0.00
GILBOA___2 23757	38.27 1.54 0.00	35.38 1.43 0.00	32.33 1.39 0.00	31.32 1.43 0.00	30.77 1.44 0.00	31.21 1.35 0.00	38.47 1.62 0.00	38.68 1.67 0.00	41.25 1.66 0.00	45.86 1.77 0.00	52.57 2.02 0.00	59.82 2.46 0.00	68.59 2.83 0.00	80.26 3.16 0.00	115.85 3.99 -9.50	146.78 5.12 -10.28	168.01 5.69 -12.54	183.87 5.21 -33.87	161.76 4.75 -25.00	124.69 3.69 -15.46	83.10 2.70 -9.34	64.08 2.24 -5.89	53.79 2.02 -1.29	44.98 1.81 0.00

GILBOA___3 23758	38.27 1.54 0.00	35.38 1.43 0.00	32.33 1.39 0.00	31.32 1.43 0.00	30.77 1.44 0.00	31.21 1.35 0.00	38.47 1.62 0.00	38.68 1.67 0.00	41.25 1.66 0.00	45.86 1.77 0.00	52.57 2.02 0.00	59.82 2.46 0.00	68.59 2.83 0.00	80.26 3.16 0.00	115.85 3.99 -9.50	146.78 5.12 -10.28	168.01 5.69 -12.54	183.87 5.21 -33.87	161.76 4.75 -25.00	124.69 3.69 -15.46	83.10 2.70 -9.34	64.08 2.24 -5.89	53.79 2.02 -1.29	44.98 1.81 0.00
GILBOA___4 23759	38.27 1.54 0.00	35.38 1.43 0.00	32.33 1.39 0.00	31.32 1.43 0.00	30.77 1.44 0.00	31.21 1.35 0.00	38.47 1.62 0.00	38.68 1.67 0.00	41.25 1.66 0.00	45.86 1.77 0.00	52.57 2.02 0.00	59.82 2.46 0.00	68.59 2.83 0.00	80.26 3.16 0.00	115.85 3.99 -9.50	146.78 5.12 -10.28	168.01 5.69 -12.54	183.87 5.21 -33.87	161.76 4.75 -25.00	124.69 3.69 -15.46	83.10 2.70 -9.34	64.08 2.24 -5.89	53.79 2.02 -1.29	44.98 1.81 0.00
GILBOA___ 23599	38.23 1.51 0.00	35.35 1.39 0.00	32.33 1.39 0.00	31.35 1.46 0.00	30.77 1.44 0.00	31.21 1.34 0.00	38.47 1.62 0.00	38.64 1.63 0.00	41.25 1.66 0.00	45.85 1.76 0.00	52.62 2.07 0.00	59.82 2.47 0.00	68.59 2.83 0.00	80.26 3.16 0.00	115.85 3.99 -9.50	146.79 5.12 -10.28	168.17 5.84 -12.54	183.88 5.21 -33.87	161.77 4.75 -25.00	124.69 3.69 -15.46	83.03 2.63 -9.34	64.08 2.24 -5.89	53.79 2.02 -1.29	44.98 1.81 0.00
GINNA___ 23603	35.63 -1.10 0.00	32.56 -1.39 0.00	29.55 -1.39 0.00	28.51 -1.37 0.00	27.96 -1.38 0.00	28.64 -1.23 0.00	35.08 -1.77 0.00	35.46 -1.55 0.00	38.28 -1.31 0.00	42.68 -1.41 0.00	48.93 -1.62 0.00	55.40 -1.95 0.00	63.66 -2.11 0.00	74.79 -2.31 0.00	98.16 -4.20 0.00	125.08 -6.30 0.00	142.89 -6.89 0.00	138.86 -5.94 0.00	127.38 -4.62 0.00	102.80 -2.74 0.00	69.14 -1.92 0.00	54.72 -1.23 0.00	49.22 -1.26 0.00	42.18 -0.99 0.00
GLEN PARK___ 23778	37.39 -0.88 -1.54	31.70 -0.92 1.34	28.72 -0.93 1.29	27.58 -1.02 1.28	27.31 -0.76 1.26	27.68 -0.75 1.44	38.06 -0.44 -1.65	37.67 -0.26 -0.92	40.60 -0.75 -1.77	45.10 -0.97 -1.98	51.79 -1.26 -2.50	53.04 -1.55 2.77	61.14 -1.71 2.91	54.84 -2.00 20.25	50.67 -3.28 48.41	64.31 -4.07 63.00	103.28 -4.04 42.47	111.61 -3.19 30.00	138.10 -1.32 -7.42	111.93 0.11 -6.28	76.26 0.50 -4.71	59.54 0.45 -3.14	52.71 -0.15 -2.38	44.70 -0.52 -2.04
GLENDALE_27_KV_LOAD 356172	40.78 4.04 -0.01	37.05 3.09 -0.01	33.69 2.75 0.00	32.45 2.57 0.00	31.86 2.52 0.00	32.37 2.51 0.00	40.09 3.24 0.00	41.12 4.11 0.00	44.24 4.63 -0.02	48.90 4.81 0.00	55.75 5.21 0.00	63.55 6.19 0.00	73.25 6.84 -0.65	86.82 8.17 -1.55	131.56 12.18 -17.02	166.88 15.90 -19.60	189.32 17.82 -21.72	216.43 16.51 -55.12	203.82 14.39 -57.42	151.58 10.87 -35.17	97.38 6.96 -19.36	71.25 5.15 -10.15	57.28 4.75 -2.06	47.62 4.45 0.00
GLENWOOD_IC_1_G5 23712	54.81 3.89 -14.19	52.49 3.02 -15.51	44.51 2.94 -10.63	41.64 2.78 -8.98	40.41 2.70 -8.37	40.84 2.75 -8.23	43.08 3.46 -2.77	45.65 4.18 -4.45	47.87 4.79 -3.49	50.88 5.03 -1.76	56.11 5.56 0.00	85.11 6.83 -20.93	97.30 7.76 -23.78	189.31 9.25 -102.96	236.32 13.31 -120.65	331.21 17.47 -182.35	436.72 19.62 -267.32	457.06 18.39 -293.87	350.86 16.24 -202.61	255.17 12.45 -137.18	98.23 7.82 -19.36	75.52 5.87 -13.69	62.03 5.15 -6.40	53.51 4.53 -5.81
GLENWOOD_IC_2_G1 23688	54.92 4.00 -14.19	52.59 3.12 -15.51	44.41 2.84 -10.63	41.52 2.66 -8.98	40.35 2.64 -8.37	40.75 2.66 -8.23	42.97 3.35 -2.77	45.50 4.03 -4.45	47.71 4.63 -3.49	50.79 4.94 -1.76	56.01 5.46 0.00	85.05 6.76 -20.93	111.54 7.69 -38.08	279.56 9.17 -193.30	314.74 13.10 -199.28	421.28 17.21 -272.68	591.29 19.33 -422.18	566.94 18.10 -404.04	402.21 15.97 -254.23	278.67 12.34 -160.79	98.30 7.89 -19.36	75.51 5.87 -13.69	62.08 5.20 -6.40	53.60 4.62 -5.81
GLENWOOD_IC_3_G1 23689	54.92 4.00 -14.19	52.59 3.12 -15.51	44.41 2.84 -10.63	41.52 2.66 -8.98	40.35 2.64 -8.37	40.75 2.66 -8.23	42.97 3.35 -2.77	45.50 4.03 -4.45	47.71 4.63 -3.49	50.79 4.94 -1.76	56.01 5.46 0.00	85.05 6.76 -20.93	111.54 7.69 -38.08	279.56 9.17 -193.30	314.74 13.10 -199.28	421.28 17.21 -272.68	591.29 19.33 -422.18	566.94 18.10 -404.04	402.21 15.97 -254.23	278.67 12.34 -160.79	98.30 7.89 -19.36	75.51 5.87 -13.69	62.08 5.20 -6.40	53.60 4.62 -5.81
GLENWOOD___4 23550	54.88 3.97 -14.19	52.56 3.09 -15.51	44.51 2.94 -10.63	41.64 2.78 -8.98	40.41 2.70 -8.37	40.84 2.75 -8.23	43.08 3.46 -2.77	45.65 4.18 -4.45	47.87 4.79 -3.49	50.92 5.07 -1.76	56.21 5.66 0.00	85.23 6.94 -20.93	97.44 7.89 -23.78	189.54 9.48 -102.96	236.62 13.61 -120.65	331.60 17.87 -182.35	437.17 20.07 -267.32	457.49 18.82 -293.87	351.25 16.63 -202.61	255.49 12.77 -137.18	98.45 8.03 -19.36	75.68 6.04 -13.69	62.18 5.30 -6.40	53.64 4.66 -5.81
GLENWOOD___5 23614	54.88 3.97 -14.19	52.56 3.09 -15.51	44.51 2.94 -10.63	41.64 2.78 -8.98	40.41 2.70 -8.37	40.84 2.75 -8.23	43.08 3.46 -2.77	45.65 4.18 -4.45	47.87 4.79 -3.49	50.92 5.07 -1.76	56.21 5.66 0.00	85.23 6.94 -20.93	97.44 7.89 -23.78	189.54 9.48 -102.96	236.62 13.61 -120.65	331.60 17.87 -182.35	437.17 20.07 -267.32	457.49 18.82 -293.87	351.25 16.63 -202.61	255.49 12.77 -137.18	98.45 8.03 -19.36	75.68 6.04 -13.69	62.18 5.30 -6.40	53.64 4.66 -5.81
GLOBAL GREEN_PORT_GT1 23814	56.73 5.80 -14.20	54.22 4.75 -15.51	45.74 4.18 -10.63	42.80 3.94 -8.98	41.49 3.79 -8.37	41.97 3.88 -8.23	44.48 4.86 -2.77	47.20 5.74 -4.45	49.93 6.85 -3.49	52.07 6.22 -1.76	68.94 7.43 -10.96	140.10 9.17 -73.57	157.14 12.29 -79.08	269.35 14.41 -177.84	246.26 17.19 -126.72	279.33 21.94 -126.00	284.48 24.57 -110.13	349.87 23.03 -182.04	302.70 20.46 -150.23	262.94 15.94 -141.46	241.92 9.87 -160.99	214.54 9.06 -149.53	73.75 7.42 -15.85	59.22 6.35 -9.70
GLOBE___DSASP 323697	35.77 -0.95 0.00	32.53 -1.43 0.00	29.45 -1.49 0.00	28.36 -1.52 0.00	28.01 -1.32 0.00	28.73 -1.13 0.00	34.56 -2.28 0.00	34.68 -2.33 0.00	37.65 -1.94 0.00	42.06 -2.03 0.00	48.07 -2.48 0.00	54.37 -2.98 0.00	62.21 -3.55 0.00	72.93 -4.16 0.00	95.69 -8.29 -1.62	120.53 -12.61 -1.76	137.25 -14.68 -2.14	136.18 -13.61 -4.99	122.09 -10.30 -0.38	99.84 -5.70 0.00	67.51 -3.55 0.00	54.11 -1.85 0.00	49.32 -1.16 0.00	42.52 -0.65 0.00
GOETHSLN___LBMP 323567	40.18 3.45 0.00	36.54 2.58 0.00	33.20 2.26 0.00	32.00 2.12 0.00	31.42 2.08 0.00	31.95 2.09 0.00	39.54 2.69 0.00	40.56 3.55 0.00	43.68 4.08 -0.02	46.92 4.19 1.36	47.02 4.65 8.18	48.88 5.56 14.03	58.43 6.18 13.51	71.80 7.40 12.70	112.41 10.95 0.90	142.44 14.45 3.40	160.73 16.18 5.23	172.91 15.06 -13.05	156.02 13.07 -10.94	136.42 9.92 -20.95	81.29 6.25 -3.97	58.72 4.53 1.76	47.97 4.14 6.65	45.79 3.71 1.09
GOLAH___69_KV_TB 1_2 80279	37.35 0.62 0.00	34.06 0.10 0.00	30.85 -0.09 0.00	29.67 -0.21 0.00	29.22 -0.12 0.00	29.98 0.12 0.00	36.55 -0.29 0.00	36.86 -0.15 0.00	39.83 0.24 0.00	44.44 0.35 0.00	50.80 0.25 0.00	57.47 0.11 0.00	65.76 0.00 0.00	77.33 0.23 0.00	101.13 -1.23 0.00	128.76 -2.63 0.00	146.49 -3.30 0.00	142.48 -2.32 0.00	131.22 -0.79 0.00	106.49 0.95 0.00	71.77 0.71 0.00	57.29 1.34 0.00	51.69 1.21 0.00	44.42 1.25 0.00

GOODYEAR_LAKE_HYD 323669	38.79 2.06 0.00	35.69 1.73 0.00	32.49 1.55 0.00	31.41 1.52 0.00	30.95 1.61 0.00	31.51 1.64 0.00	39.02 2.17 0.00	39.41 2.41 0.00	42.04 2.45 0.00	46.82 2.73 0.00	53.73 3.18 0.00	61.08 3.73 0.00	70.62 4.41 -0.45	83.34 5.17 -1.08	129.86 6.65 -20.85	163.30 8.54 -23.38	186.51 9.74 -27.00	239.56 9.56 -85.21	276.93 9.11 -135.81	200.99 7.39 -88.06	127.91 4.97 -51.88	91.87 3.97 -31.94	60.55 3.33 -6.74	45.85 2.68 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	38.36 0.95 -0.68	35.01 0.58 -0.48	31.67 0.46 -0.27	30.50 0.42 -0.19	29.99 0.50 -0.16	30.63 0.57 -0.19	38.06 0.48 -0.74	38.19 0.78 -0.41	41.36 0.99 -0.78	46.15 1.19 -0.87	53.12 1.47 -1.11	60.66 1.72 -1.58	69.90 1.97 -2.16	82.32 2.31 -2.91	111.99 2.25 -7.38	142.69 2.50 -8.81	161.78 3.00 -9.01	165.93 3.19 -17.95	155.09 3.56 -19.52	122.21 3.48 -13.19	81.77 2.34 -8.37	63.38 2.07 -5.35	54.11 1.72 -1.92	45.45 1.38 -0.90
GOUDEY___7 23579	38.40 0.99 -0.68	35.04 0.61 -0.48	31.70 0.50 -0.27	30.52 0.45 -0.19	30.02 0.53 -0.16	30.65 0.60 -0.19	38.10 0.52 -0.74	38.23 0.81 -0.41	41.40 1.03 -0.78	46.20 1.23 -0.87	53.17 1.52 -1.11	60.72 1.78 -1.58	69.97 2.04 -2.16	82.47 2.47 -2.91	112.09 2.35 -7.38	142.82 2.63 -8.81	161.93 3.15 -9.01	166.08 3.33 -17.95	155.22 3.70 -19.52	122.32 3.59 -13.19	81.91 2.49 -8.37	63.43 2.13 -5.35	54.16 1.77 -1.92	45.49 1.42 -0.90
GOUDEY___8 23580	38.36 0.95 -0.68	35.01 0.58 -0.48	31.67 0.46 -0.27	30.50 0.42 -0.19	29.99 0.50 -0.16	30.63 0.57 -0.19	38.06 0.48 -0.74	38.19 0.78 -0.41	41.36 0.99 -0.78	46.15 1.19 -0.87	53.12 1.47 -1.11	60.66 1.72 -1.58	69.90 1.97 -2.16	82.32 2.31 -2.91	111.99 2.25 -7.38	142.69 2.50 -8.81	161.78 3.00 -9.01	165.93 3.19 -17.95	155.09 3.56 -19.52	122.21 3.48 -13.19	81.77 2.34 -8.37	63.38 2.07 -5.35	54.11 1.72 -1.92	45.45 1.38 -0.90
GOWANUS_GT1_1 24077	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT1_2 24078	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT1_3 24079	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT1_4 24080	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT1_5 24084	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT1_6 24111	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT1_7 24112	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT1_8 24113	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GOWANUS_GT2_1 24114	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
GOWANUS_GT2_2 24115	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
GOWANUS_GT2_3 24116	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00

GOWANUS_GT2_4 24117	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
GOWANUS_GT2_5 24118	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
GOWANUS_GT2_6 24119	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
GOWANUS_GT2_7 24120	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
GOWANUS_GT2_8 24121	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
GOWANUS_GT3_1 24122	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
GOWANUS_GT3_2 24123	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.26 15.34 -55.12	202.76 13.33 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12</		

GOWANUS_GT4_3 24132	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	75.88 5.09 -14.84	75.30 4.69 -20.13	47.62 4.45 0.00
GOWANUS_GT4_4 24133	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	75.88 5.09 -14.84	75.30 4.69 -20.13	47.62 4.45 0.00
GOWANUS_GT4_5 24134	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	75.88 5.09 -14.84	75.30 4.69 -20.13	47.62 4.45 0.00
GOWANUS_GT4_6 24135	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	75.88 5.09 -14.84	75.30 4.69 -20.13	47.62 4.45 0.00
GOWANUS_GT4_7 24136	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	75.88 5.09 -14.84	75.30 4.69 -20.13	47.62 4.45 0.00
GOWANUS_GT4_8 24137	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.74 6.32 -19.36	75.88 5.09 -14.84	75.30 4.69 -20.13	47.62 4.45 0.00
GREENBSH_115KV_TB3 55895	38.16 1.43 0.00	35.14 1.19 0.00	32.08 1.14 0.00	30.99 1.11 0.00	30.42 1.09 0.00	30.94 1.08 0.00	38.14 1.29 0.00	38.45 1.44 0.00	41.01 1.43 0.00	45.63 1.54 0.00	52.26 1.72 0.00	59.13 1.78 0.00	55.26 1.97 12.48	49.57 2.31 29.84	19.53 3.58 86.41	19.53 4.60 116.45	55.26 5.24 99.76	17.85 4.92 131.87	5.19 4.22 131.04	54.09 3.06 54.51	76.49 1.99 -3.45	86.64 1.45 -29.24	64.50 1.67 -12.35	45.03 1.86 0.00
GREENDGE_115KV_TB5 80291	38.13 0.84 -0.56	34.69 0.34 -0.39	31.50 0.34 -0.22	30.31 0.27 -0.16	29.79 0.32 -0.13	30.56 0.54 -0.16	37.68 0.22 -0.61	37.86 0.52 -0.33	40.94 0.71 -0.64	45.78 0.97 -0.72	52.52 1.06 -0.91	59.92 1.26 -1.30	68.86 1.32 -1.78	81.03 1.54 -2.39	105.87 -1.43 -4.95	135.05 -2.36 -6.03	153.61 -2.10 -5.93	154.97 1.45 -8.72	137.93 2.77 -3.15	110.98 3.17 -2.27	75.25 2.49 -1.70	59.27 2.18 -1.14	53.06 1.72 -0.86	45.20 1.30 -0.74
GREENIDGE___3 23582	38.13 0.84 -0.56	34.69 0.34 -0.39	31.50 0.34 -0.22	30.31 0.27 -0.16	29.79 0.32 -0.13	30.56 0.54 -0.16	37.68 0.22 -0.61	37.86 0.52 -0.33	40.94 0.71 -0.64	45.78 0.97 -0.72	52.52 1.06 -0.91	59.92 1.26 -1.30	68.86 1.32 -1.78	81.03 1.54 -2.39	105.87 -1.43 -4.95	135.05 -2.36 -6.03	153.61 -2.10 -5.93	154.97 1.45 -8.72	137.93 2.77 -3.15	110.98 3.17 -2.27	75.25 2.49 -1.70	59.27 2.18 -1.14	53.06 1.72 -0.86	45.20 1.30 -0.74
GREENIDGE___4 23583	38.09 0.81 -0.56	34.65 0.30 -0.39	31.47 0.31 -0.22	30.31 0.27 -0.16	29.76 0.29 -0.13	30.53 0.51 -0.16	37.68 0.22 -0.61	37.82 0.48 -0.33	40.94 0.71 -0.64	45.78 0.97 -0.72	52.52 1.06 -0.91	59.80 1.15 -1.30	68.86 1.31 -1.78	81.03 1.54 -2.39	105.87 -1.43 -4.95	135.06 -2.36 -6.03	153.61 -2.10 -5.93	154.97 1.45 -8.72	137.94 2.78 -3.15	110.98 3.16 -2.27	75.32 2.55 -1.70	59.22 2.13 -1.14	53.06 1.72 -0.86	45.20 1.29 -0.74
GREENLWN_69_KV_BK 3 55738	54.40 3.49 -14.18	52.25 2.78 -15.51	44.04 2.48 -10.63	41.19 2.33 -8.98	40.00 2.29 -8.37	40.42 2.33 -8.23	42.57 2.95 -2.77	45.13 3.66 -4.45	47.27 4.20 -3.49	50.39 4.54 -1.76	52.99 4.85 2.41	73.06 6.08 -9.62	67.02 6.91 5.65	62.61 8.25 22.74	138.75 12.18 -24.22	232.72 15.90 -85.43	282.23 17.97 -114.47	346.71 16.80 -185.12	298.45 14.78 -151.65	211.69 11.29 -94.86	66.31 6.96 11.71	45.05 5.20 16.11	59.30 4.49 -4.33	51.06 3.93 -3.96
GREENWD_138_KV_38B11_REV_LBMP_J 345004	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.41 15.49 -55.12	202.90 13.46 -57.42	150.74 10.03 -35.17	96.81 6.40 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00
GRISSOM___SOLAR 323813	42.24 5.51 0.00	38.81 4.86 0.00	35.15 4.21 0.00	33.89 4.01 0.00	33.32 3.99 0.00	34.07 4.21 0.00	42.27 5.42 0.00	42.71 5.70 0.00	45.68 6.09 0.00	51.23 7.14 0.00	58.88 8.34 0.00	67.33 9.98 0.00	79.05 11.83 -1.45	93.98 13.41 -3.47	179.91 17.61 -59.94	220.16 21.28 -67.49	251.79 24.57 -77.45	423.68 26.06 -252.82	595.13 25.22 -437.90	410.69 20.06 -285.09	252.42 13.35 -168.01	170.44 10.63 -103.85	81.41 9.08 -21.85	49.90 6.73 0.00
GROVEVILLE___HYD 323602	39.89 3.16 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.91 2.03 0.00	31.30 1.97 0.00	31.86 2.00 0.00	39.39 2.54 0.00	40.08 3.07 0.00	43.07 3.48 0.00	47.93 3.84 0.00	54.99 4.45 0.00	62.69 5.33 0.00	72.45 6.18 -0.50	85.78 7.48 -1.21	128.88 10.65 -15.88	163.67 14.19 -18.10	186.04 15.88 -20.38	212.84 15.06 -52.98	200.54 13.46 -55.06	149.67 10.13 -34.00	97.09 6.96 -19.07	70.82 5.04 -9.83	57.08 4.44 -2.16	46.97 3.80 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	38.86 0.29 -1.83	35.13 0.10 -1.07	31.52 0.03 -0.55	30.25 0.00 -0.37	29.64 0.03 -0.28	30.31 0.09 -0.35	38.88 0.04 -1.99	38.33 0.22 -1.10	41.97 0.28 -2.10	46.90 0.44 -2.36	54.06 0.51 -3.01	61.80 0.75 -3.70	71.80 0.85 -5.18	85.43 1.00 -7.33	111.95 1.02 -8.57	143.60 1.05 -11.17	161.54 1.35 -10.41	154.76 1.59 -8.37	142.82 1.98 -8.83	114.82 1.79 -7.48	77.87 1.21 -5.61	60.65 0.95 -3.75	54.07 0.76 -2.83	46.16 0.56 -2.43

HAMLTNNY_34_KV_TB 80303	39.05 0.44 -1.88	35.28 0.20 -1.13	31.65 0.12 -0.59	30.34 0.06 -0.40	29.75 0.12 -0.30	30.43 0.18 -0.39	39.04 0.15 -2.04	38.47 0.33 -1.12	42.18 0.44 -2.16	47.13 0.62 -2.42	54.33 0.71 -3.08	62.14 0.92 -3.87	72.22 1.05 -5.40	85.99 1.31 -7.58	112.42 1.13 -8.94	144.22 1.18 -11.65	162.00 1.50 -10.72	155.40 2.03 -8.57	143.30 2.24 -9.05	115.32 2.11 -7.67	78.29 1.49 -5.74	60.96 1.17 -3.84	54.34 0.96 -2.90	46.35 0.69 -2.49
HAMPSHIRE___PAPER_HYD 323593	35.17 -2.17 -0.61	26.10 -1.90 5.96	24.43 -1.73 4.77	23.72 -1.79 4.37	23.52 -1.70 4.11	23.39 -1.70 4.78	35.68 -1.77 -0.60	35.52 -1.85 -0.36	38.03 -2.25 -0.70	42.23 -2.64 -0.78	48.45 -3.03 -0.94	38.28 -3.73 15.35	42.73 -4.27 18.76	37.56 -5.09 34.45	21.85 -6.65 73.86	25.19 -8.27 97.92	85.21 -9.14 55.43	101.13 -8.40 35.27	127.55 -7.39 -2.93	102.53 -5.49 -2.48	69.58 -3.34 -1.86	54.62 -2.57 -1.24	48.85 -2.57 -0.94	41.52 -2.46 -0.81
HARDSCRABBLE_WT_PWR 323673	37.46 0.73 0.00	34.33 0.58 0.20	31.28 0.49 0.16	30.25 0.51 0.14	29.76 0.56 0.13	30.27 0.57 0.15	37.66 0.81 0.00	37.93 0.93 0.00	40.50 0.91 0.00	45.11 1.01 0.00	51.65 1.11 0.00	58.15 1.32 0.52	66.87 1.58 0.47	80.84 1.85 -1.89	108.81 2.36 -4.09	139.66 3.15 -5.13	158.62 3.75 -5.09	152.61 3.62 -4.19	135.31 3.30 0.00	108.18 2.64 0.00	72.84 1.78 0.00	57.40 1.45 0.00	51.69 1.21 0.00	44.20 1.03 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	39.78 3.05 0.00	36.26 2.31 0.00	33.01 2.07 0.00	31.85 1.97 0.00	31.27 1.94 0.00	31.80 1.94 0.00	39.28 2.43 0.00	40.01 3.00 0.00	43.07 3.48 0.00	47.93 3.84 0.00	55.04 4.50 0.00	62.75 5.39 0.00	72.48 6.18 -0.53	85.77 7.40 -1.27	128.05 10.65 -15.05	162.69 14.06 -17.24	185.06 16.03 -19.25	209.14 15.06 -49.29	196.20 13.33 -50.86	146.80 10.03 -31.24	94.92 6.54 -17.33	69.28 4.70 -8.63	56.46 4.09 -1.89	46.71 3.54 0.00
HARSNRAD_115KV_TB1 81005	36.47 -0.26 0.00	33.14 -0.81 0.00	30.01 -0.93 0.00	28.90 -0.99 0.00	28.51 -0.82 0.00	29.27 -0.60 0.00	35.23 -1.62 0.00	35.45 -1.55 0.00	38.48 -1.11 0.00	42.99 -1.10 0.00	49.13 -1.42 0.00	55.46 -1.89 0.00	63.46 -2.30 0.00	74.48 -2.62 0.00	97.81 -6.14 -1.59	123.25 -9.85 -1.72	140.50 -11.38 -2.10	139.41 -10.28 -4.89	124.99 -7.39 -0.37	102.06 -3.48 0.00	69.00 -2.06 0.00	55.39 -0.56 0.00	50.33 -0.15 0.00	43.34 0.17 0.00
HARZA MOOSE___RIVER 24016	37.50 0.26 -0.52	32.68 0.14 1.41	29.81 0.06 1.19	28.68 -0.09 1.12	28.30 0.03 1.06	28.69 0.06 1.23	37.76 0.37 -0.54	37.87 0.56 -0.31	40.50 0.32 -0.59	45.02 0.26 -0.67	51.58 0.20 -0.83	53.90 0.00 3.46	61.82 0.07 4.01	75.08 0.08 2.10	96.52 0.10 5.94	123.03 0.13 8.49	150.64 0.60 -0.26	148.17 1.01 -2.35	136.08 1.58 -2.48	109.33 1.69 -2.11	74.20 1.56 -1.58	58.46 1.45 -1.05	52.24 0.96 -0.80	44.46 0.60 -0.68
HDSNBRDG_115KV_BRDG_TB1 355580	37.72 0.00 -0.99	34.27 -0.14 -0.45	30.95 -0.19 -0.20	29.78 -0.21 -0.11	29.22 -0.18 -0.06	29.84 -0.12 -0.09	37.67 -0.26 -1.08	37.57 -0.04 -0.59	40.73 0.00 -1.14	45.50 0.13 -1.28	52.33 0.15 -1.63	59.31 0.29 -1.67	68.58 0.39 -2.42	81.22 0.46 -3.66	106.49 0.10 -4.03	136.57 0.00 -5.19	155.23 0.00 -5.45	149.62 0.29 -4.54	137.46 0.66 -4.79	110.34 0.74 -4.06	74.67 0.57 -3.04	58.43 0.45 -2.03	52.37 0.35 -1.54	44.66 0.17 -1.32
HELLGATE_13_KV_LD 55870	40.52 3.78 -0.01	36.88 2.92 -0.01	33.54 2.60 0.00	32.34 2.45 0.00	31.71 2.38 0.00	32.19 2.33 0.00	39.83 2.98 0.00	40.86 3.85 0.00	43.92 4.32 -0.02	48.50 4.41 0.00	55.24 4.70 0.01	62.97 5.62 0.01	72.59 6.18 -0.64	86.04 7.40 -1.54	130.43 11.05 -17.02	165.57 14.58 -19.60	187.68 16.18 -21.72	214.98 15.06 -55.12	202.37 12.94 -57.42	150.53 9.82 -35.17	96.67 6.25 -19.36	70.69 4.59 -10.15	56.78 4.24 -2.06	47.32 4.14 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	40.52 3.78 -0.01	36.88 2.92 -0.01	33.54 2.60 0.00	32.34 2.45 0.00	31.71 2.38 0.00	32.19 2.33 0.00	39.83 2.98 0.00	40.86 3.85 0.00	43.92 4.32 -0.02	48.50 4.41 0.00	55.24 4.70 0.01	62.97 5.62 0.01	72.59 6.18 -0.64	86.04 7.40 -1.54	130.43 11.05 -17.02	165.57 14.58 -19.60	187.68 16.18 -21.72	214.98 15.06 -55.12	202.37 12.94 -57.42	150.53 9.82 -35.17	96.67 6.25 -19.36	70.69 4.59 -10.15	56.78 4.24 -2.06	47.32 4.14 0.00
HEMPSTEAD____ 23647	54.81 3.89 -14.19	52.46 2.99 -15.51	44.32 2.75 -10.63	41.46 2.60 -8.98	40.26 2.55 -8.37	40.69 2.60 -8.23	42.86 3.24 -2.77	45.43 3.96 -4.45	47.59 4.51 -3.49	50.66 4.81 -1.76	55.85 5.31 0.00	84.88 6.59 -20.93	90.62 7.49 -17.36	148.38 8.86 -62.42	200.62 12.90 -85.37	290.15 16.96 -141.81	366.63 19.02 -197.82	407.03 17.81 -244.42	327.16 15.70 -179.45	244.26 12.13 -126.58	98.02 7.61 -19.36	75.35 5.71 -13.69	61.93 5.05 -6.40	53.47 4.49 -5.81
HEWLETT_69_KV_BK3 55828	55.33 4.41 -14.19	52.96 3.50 -15.51	44.63 3.06 -10.63	41.76 2.90 -8.98	40.55 2.85 -8.37	40.96 2.87 -8.23	43.16 3.54 -2.77	45.72 4.26 -4.45	47.91 4.83 -3.49	51.10 5.25 -1.76	56.56 6.01 0.00	85.34 7.05 -20.93	86.64 7.63 -13.24	122.62 9.10 -36.42	178.30 13.20 -62.74	264.54 17.34 -115.81	322.66 19.62 -153.26	375.91 18.39 -212.72	312.97 16.37 -164.59	237.89 12.56 -119.79	98.30 7.89 -19.36	75.91 6.27 -13.69	62.53 5.65 -6.40	54.16 5.18 -5.81
HICKLING___1 23621	38.43 1.14 -0.56	34.93 0.58 -0.39	31.56 0.40 -0.22	30.37 0.33 -0.16	29.90 0.44 -0.13	30.62 0.60 -0.16	37.79 0.33 -0.61	38.05 0.70 -0.33	41.26 1.03 -0.64	46.26 1.45 -0.72	53.23 1.77 -0.91	60.67 2.01 -1.30	69.78 2.24 -1.78	82.11 2.62 -2.39	109.80 1.64 -5.81	139.79 1.45 -6.96	158.79 1.95 -7.06	161.20 2.75 -13.65	150.39 3.83 -14.56	119.74 4.33 -9.87	80.34 2.98 -6.29	62.67 2.69 -4.03	54.20 2.22 -1.50	45.68 1.77 -0.74
HICKLING___2 23622	38.43 1.14 -0.56	34.93 0.58 -0.39	31.56 0.40 -0.22	30.37 0.33 -0.16	29.90 0.44 -0.13	30.62 0.60 -0.16	37.79 0.33 -0.61	38.05 0.70 -0.33	41.26 1.03 -0.64	46.26 1.45 -0.72	53.23 1.77 -0.91	60.67 2.01 -1.30	69.78 2.24 -1.78	82.11 2.62 -2.39	109.80 1.64 -5.81	139.79 1.45 -6.96	158.79 1.95 -7.06	161.20 2.75 -13.65	150.39 3.83 -14.56	119.74 4.33 -9.87	80.34 2.98 -6.29	62.67 2.69 -4.03	54.20 2.22 -1.50	45.68 1.77 -0.74
HIGH FALLS___HY 23754	39.81 3.09 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.80 1.91 0.00	31.21 1.88 0.00	31.77 1.91 0.00	39.28 2.43 0.00	40.01 3.00 0.00	43.23 3.64 0.00	47.97 3.88 0.00	55.09 4.55 0.00	62.80 5.45 0.00	71.29 6.44 0.92	82.69 7.79 2.20	117.78 11.16 -4.26	149.28 14.98 -2.91	173.23 16.78 -6.67	191.99 16.07 -31.12	179.34 14.52 -32.82	139.73 11.08 -23.11	94.94 7.25 -16.64	73.17 5.15 -12.07	57.84 4.19 -3.17	46.71 3.54 0.00
HIGH_RIVER___SOLAR 323847	39.11 2.39 0.00	35.99 2.04 0.00	32.76 1.82 0.00	31.65 1.76 0.00	31.09 1.76 0.00	31.65 1.79 0.00	39.10 2.25 0.00	39.30 2.30 0.00	41.96 2.38 0.00	46.78 2.69 0.00	53.53 2.98 0.00	61.03 3.67 0.00	71.64 4.27 -1.60	85.93 5.01 -3.82	174.82 6.75 -65.71	213.91 8.54 -73.99	244.40 9.73 -84.88	432.31 9.98 -277.53	624.07 9.63 -482.43	427.60 7.92 -314.14	261.51 5.33 -185.12	174.60 4.20 -114.45	78.23 3.68 -24.07	46.11 2.94 0.00

HILLBURN___GT 23639	39.78 3.05 0.00	36.23 2.28 0.00	32.98 2.04 0.00	31.80 1.91 0.00	31.27 1.94 0.00	31.80 1.94 0.00	39.21 2.36 0.00	40.01 3.00 0.00	43.11 3.52 0.00	47.88 3.79 0.00	54.89 4.35 0.00	62.63 5.27 0.00	72.37 6.05 -0.56	85.67 7.24 -1.33	128.16 10.33 -15.47	162.93 13.79 -17.75	184.99 15.43 -19.78	209.81 14.48 -50.53	196.93 12.67 -52.24	147.21 9.60 -32.07	95.07 6.25 -17.75	69.21 4.48 -8.78	56.34 3.94 -1.93	46.62 3.45 0.00
HILLSIDE_115KV_TB1 80332	37.86 0.55 -0.58	34.43 0.07 -0.41	31.11 -0.06 -0.23	29.93 -0.12 -0.17	29.50 0.03 -0.13	30.18 0.15 -0.17	37.26 -0.22 -0.63	37.50 0.15 -0.34	40.73 0.48 -0.66	45.58 0.75 -0.74	52.55 1.06 -0.95	59.91 1.20 -1.35	68.92 1.32 -1.84	81.19 1.62 -2.48	108.78 0.41 -6.01	138.46 -0.13 -7.20	157.09 0.00 -7.31	159.52 0.58 -14.14	148.80 1.72 -15.07	118.30 2.53 -10.22	79.35 1.78 -6.52	61.86 1.73 -4.18	53.39 1.36 -1.55	45.01 1.08 -0.77
HISHELDN_WT_PWR 323625	36.91 0.18 0.00	33.55 -0.41 0.00	30.41 -0.53 0.00	29.40 -0.48 0.00	28.90 -0.44 0.00	29.62 -0.24 0.00	35.86 -0.99 0.00	36.12 -0.89 0.00	39.19 -0.40 0.00	43.87 -0.22 0.00	50.29 -0.25 0.00	56.67 -0.69 0.00	65.04 -0.72 0.00	76.33 -0.77 0.00	100.92 -3.38 -1.94	127.57 -5.91 -2.10	145.75 -6.59 -2.56	145.25 -5.50 -5.95	129.29 -3.17 -0.45	105.12 -0.42 0.00	71.06 0.00 0.00	56.63 0.67 0.00	51.24 0.76 0.00	43.99 0.82 0.00
HOLTSVILLE_IC_1 23690	55.37 4.44 -14.20	53.00 3.53 -15.51	44.69 3.12 -10.63	41.82 2.96 -8.98	40.61 2.90 -8.37	41.05 2.96 -8.23	43.34 3.72 -2.77	45.87 4.40 -4.45	48.10 5.03 -3.49	51.18 5.33 -1.76	66.84 5.56 -10.74	136.63 6.76 -72.51	151.14 7.76 -77.62	260.61 9.25 -174.27	240.47 13.30 -124.82	273.46 16.96 -125.12	278.67 19.02 -109.86	344.31 17.66 -181.85	297.98 15.83 -150.13	256.94 12.34 -139.05	237.10 7.96 -158.08	208.68 5.99 -146.74	71.29 5.15 -15.66	57.00 4.49 -9.34
HOLTSVILLE_IC_10 23699	55.63 4.70 -14.20	53.24 3.77 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.79 3.08 -8.37	41.23 3.13 -8.23	43.56 3.94 -2.77	46.13 4.66 -4.45	48.42 5.34 -3.49	51.54 5.69 -1.76	68.19 6.06 -11.58	141.18 7.34 -76.49	157.35 8.49 -83.10	274.83 9.95 -187.78	248.62 14.22 -132.04	278.20 18.26 -128.55	281.40 20.52 -111.09	346.79 19.26 -182.73	299.71 17.15 -150.55	267.55 13.41 -148.60	248.62 8.59 -168.97	219.73 6.60 -157.18	72.52 5.65 -16.39	58.98 4.88 -10.93
HOLTSVILLE_IC_2 23691	55.37 4.44 -14.20	53.00 3.53 -15.51	44.69 3.12 -10.63	41.82 2.96 -8.98	40.61 2.90 -8.37	41.05 2.96 -8.23	43.34 3.72 -2.77	45.87 4.40 -4.45	48.10 5.03 -3.49	51.18 5.33 -1.76	66.84 5.56 -10.74	136.63 6.76 -72.51	151.14 7.76 -77.62	260.61 9.25 -174.27	240.47 13.30 -124.82	273.46 16.96 -125.12	278.67 19.02 -109.86	344.31 17.66 -181.85	297.98 15.83 -150.13	256.94 12.34 -139.05	237.10 7.96 -158.08	208.68 5.99 -146.74	71.29 5.15 -15.66	57.00 4.49 -9.34
HOLTSVILLE_IC_3 23692	55.37 4.44 -14.20	53.00 3.53 -15.51	44.69 3.12 -10.63	41.82 2.96 -8.98	40.61 2.90 -8.37	41.05 2.96 -8.23	43.34 3.72 -2.77	45.87 4.40 -4.45	48.10 5.03 -3.49	51.18 5.33 -1.76	66.84 5.56 -10.74	136.63 6.76 -72.51	151.14 7.76 -77.62	260.61 9.25 -174.27	240.47 13.30 -124.82	273.46 16.96 -125.12	278.67 19.02 -109.86	344.31 17.66 -181.85	297.98 15.83 -150.13	256.94 12.34 -139.05	237.10 7.96 -158.08	208.68 5.99 -146.74	71.29 5.15 -15.66	57.00 4.49 -9.34
HOLTSVILLE_IC_4 23693	55.37 4.44 -14.20	53.00 3.53 -15.51	44.69 3.12 -10.63	41.82 2.96 -8.98	40.61 2.90 -8.37	41.05 2.96 -8.23	43.34 3.72 -2.77	45.87 4.40 -4.45	48.10 5.03 -3.49	51.18 5.33 -1.76	66.84 5.56 -10.74	136.63 6.76 -72.51	151.14 7.76 -77.62	260.61 9.25 -174.27	240.47 13.30 -124.82	273.46 16.96 -125.12	278.67 19.02 -109.86	344.31 17.66 -181.85	297.98 15.83 -150.13	256.94 12.34 -139.05	237.10 7.96 -158.08	208.68 5.99 -146.74	71.29 5.15 -15.66	57.00 4.49 -9.34
HOLTSVILLE_IC_5 23694	55.37 4.44 -14.20	53.00 3.53 -15.51	44.69 3.12 -10.63	41.82 2.96 -8.98	40.61 2.90 -8.37	41.05 2.96 -8.23	43.34 3.72 -2.77	45.87 4.40 -4.45	48.10 5.03 -3.49	51.18 5.33 -1.76	66.84 5.56 -10.74	136.63 6.76 -72.51	151.14 7.76 -77.62	260.61 9.25 -174.27	240.47 13.30 -124.82	273.46 16.96 -125.12	278.67 19.02 -109.86	344.31 17.66 -181.85	297.98 15.83 -150.13	256.94 12.34 -139.05	237.10 7.96 -158.08	208.68 5.99 -146.74	71.29 5.15 -15.66	57.00 4.49 -9.34
HOLTSVILLE_IC_6 23695	55.63 4.70 -14.20	53.24 3.77 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.79 3.08 -8.37	41.23 3.13 -8.23	43.56 3.94 -2.77	46.13 4.66 -4.45	48.42 5.34 -3.49	51.54 5.69 -1.76	68.19 6.06 -11.58	141.18 7.34 -76.49	157.35 8.49 -83.10	274.83 9.95 -187.78	248.62 14.22 -132.04	278.20 18.26 -128.55	281.40 20.52 -111.09	346.79 19.26 -182.73	299.71 17.15 -150.55	267.55 13.41 -148.60	248.62 8.59 -168.97	219.73 6.60 -157.18	72.52 5.65 -16.39	58.98 4.88 -10.93
HOLTSVILLE_IC_7 23696	55.63 4.70 -14.20	53.24 3.77 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.79 3.08 -8.37	41.23 3.13 -8.23	43.56 3.94 -2.77	46.13 4.66 -4.45	48.42 5.34 -3.49	51.54 5.69 -1.76	68.19 6.06 -11.58	141.18 7.34 -76.49	157.35 8.49 -83.10	274.83 9.95 -187.78	248.62 14.22 -132.04	278.20 18.26 -128.55	281.40 20.52 -111.09	346.79 19.26 -182.73	299.71 17.15 -150.55	267.55 13.41 -148.60	248.62 8.59 -168.97	219.73 6.60 -157.18	72.52 5.65 -16.39	58.98 4.88 -10.93
HOLTSVILLE_IC_8 23697	55.63 4.70 -14.20	53.24 3.77 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.79 3.08 -8.37	41.23 3.13 -8.23	43.56 3.94 -2.77	46.13 4.66 -4.45	48.42 5.34 -3.49	51.54 5.69 -1.76	68.19 6.06 -11.58	141.18 7.34 -76.49	157.35 8.49 -83.10	274.83 9.95 -187.78	248.62 14.22 -132.04	278.20 18.26 -128.55	281.40 20.52 -111.09	346.79 19.26 -182.73	299.71 17.15 -150.55	267.55 13.41 -148.60	248.62 8.59 -168.97	219.73 6.60 -157.18	72.52 5.65 -16.39	58.98 4.88 -10.93
HOLTSVILLE_IC_9 23698	55.63 4.70 -14.20	53.24 3.77 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.79 3.08 -8.37	41.23 3.13 -8.23	43.56 3.94 -2.77	46.13 4.66 -4.45	48.42 5.34 -3.49	51.54 5.69 -1.76	68.19 6.06 -11.58	141.18 7.34 -76.49	157.35 8.49 -83.10	274.83 9.95 -187.78	248.62 14.22 -132.04	278.20 18.26 -128.55	281.40 20.52 -111.09	346.79 19.26 -182.73	299.71 17.15 -150.55	267.55 13.41 -148.60	248.62 8.59 -168.97	219.73 6.60 -157.18	72.52 5.65 -16.39	58.98 4.88 -10.93
HOMER_HL_115KV_TB2 355744	37.17 0.44 0.00	33.72 -0.24 0.00	30.51 -0.43 0.00	29.40 -0.48 0.00	29.07 -0.26 0.00	29.77 -0.09 0.00	36.00 -0.85 0.00	36.64 -0.37 0.00	39.47 -0.12 0.00	44.22 0.13 0.00	50.95 0.40 0.00	57.58 0.23 0.00	66.09 0.33 0.00	77.71 0.62 0.00	102.67 -1.74 -2.06	129.80 -3.81 -2.22	148.30 -4.19 -2.71	147.35 -3.76 -6.31	131.03 -1.45 -0.48	106.28 0.74 0.00	71.70 0.64 0.00	57.07 1.12 0.00	51.29 0.81 0.00	43.95 0.78 0.00
HOWARD_WT_PWR 323690	38.06 0.92 -0.41	34.48 0.24 -0.29	31.16 0.06 -0.16	30.03 0.03 -0.12	29.52 0.09 -0.09	30.25 0.27 -0.12	37.07 -0.22 -0.44	37.22 -0.04 -0.24	40.45 0.40 -0.47	45.37 0.75 -0.53	52.07 0.86 -0.67	58.94 0.63 -0.95	67.00 -0.07 -1.30	77.93 -0.92 -1.75	103.37 -3.48 -4.49	131.62 -5.13 -5.36	151.53 -3.74 -5.49	153.13 -0.72 -9.05	136.11 1.59 -2.51	110.16 2.95 -1.67	74.58 2.27 -1.25	58.86 2.07 -0.83	52.68 1.57 -0.63	44.96 1.25 -0.54

HQ_GEN_CEDARS 23644	34.49 -2.24 0.00	19.05 -1.70 13.21	19.05 -1.52 10.37	19.05 -1.43 9.40	19.05 -1.50 8.79	18.10 -1.52 10.24	35.03 -1.70 0.12	34.97 -2.04 0.00	37.25 -2.34 0.00	41.49 -2.60 0.00	47.44 -2.98 0.12	18.99 -3.67 34.69	19.05 -4.27 42.44	34.68 -4.93 37.48	20.19 -6.24 75.93	19.05 -7.88 104.46	108.04 -8.84 32.91	126.58 -8.69 9.53	123.69 -8.32 0.00	98.79 -6.75 0.00	66.58 -4.48 0.00	52.37 -3.58 0.00	47.30 -3.18 0.00	40.32 -2.85 0.00
HQ_GEN_CEDARS_PROXY 323590	34.49 -2.24 0.00	19.05 -1.70 13.21	19.05 -1.52 10.37	19.05 -1.43 9.40	19.05 -1.49 8.79	19.05 -1.52 9.29	34.08 -1.69 1.07	34.97 -2.04 0.00	37.25 -2.34 0.00	39.95 -2.60 1.54	49.09 -2.88 -1.42	19.05 -3.61 34.69	19.05 -4.27 42.44	35.81 -4.94 36.35	19.05 -6.25 77.06	19.05 -7.88 104.46	108.04 -8.84 32.91	126.59 -8.68 9.53	123.70 -8.31 0.00	98.78 -6.76 0.00	66.58 -4.47 0.00	54.59 -3.52 -2.16	45.14 -3.18 2.16	40.32 -2.85 0.00
HQ_GEN_IMPORT 323601	35.59 -1.14 0.00	33.62 -0.78 -0.44	30.61 -0.68 -0.35	29.54 -0.66 -0.31	28.92 -0.70 -0.29	30.44 -0.72 -1.29	35.09 -0.81 0.95	35.90 -1.11 0.00	38.36 -1.23 0.00	41.18 -1.37 1.54	50.58 -1.52 -1.55	56.62 -1.89 -1.16	64.28 -2.24 -0.75	75.27 -2.62 -0.79	96.99 -3.38 1.99	126.32 -4.21 0.85	142.45 -4.80 2.53	137.66 -4.64 2.50	127.52 -4.49 0.00	101.84 -3.70 0.00	68.57 -2.49 0.00	56.21 -1.90 -2.16	46.66 -1.66 2.16	41.66 -1.51 0.00
HQ_GEN_WHEEL 23651	35.59 -1.14 0.00	33.62 -0.78 -0.44	30.61 -0.68 -0.35	29.54 -0.66 -0.31	28.92 -0.70 -0.29	30.44 -0.72 -1.29	35.09 -0.81 0.95	35.90 -1.11 0.00	38.36 -1.23 0.00	41.18 -1.37 1.54	50.58 -1.52 -1.55	56.62 -1.89 -1.16	64.28 -2.24 -0.75	75.27 -2.62 -0.79	96.99 -3.38 1.99	126.32 -4.21 0.85	142.45 -4.80 2.53	137.66 -4.64 2.50	127.52 -4.49 0.00	101.84 -3.70 0.00	68.57 -2.49 0.00	56.21 -1.90 -2.16	46.66 -1.66 2.16	41.66 -1.51 0.00
HUDSON AVE_GT_3 23810	40.48 3.75 0.00	36.77 2.82 0.00	33.45 2.51 0.00	32.24 2.36 0.00	31.62 2.29 0.00	32.16 2.30 0.00	39.83 2.98 0.00	40.82 3.81 0.00	43.96 4.35 -0.02	48.72 4.63 0.00	55.70 5.16 0.00	63.43 6.08 0.00	73.25 6.84 -0.65	86.82 8.17 -1.55	131.35 11.98 -17.02	166.75 15.77 -19.60	189.17 17.67 -21.72	216.42 16.51 -55.12	203.82 14.39 -57.42	151.70 10.98 -35.18	97.39 6.96 -19.36	71.15 5.04 -10.16	57.13 4.59 -2.06	47.27 4.10 0.00
HUDSON AVE_GT_4 23540	40.48 3.75 0.00	36.77 2.82 0.00	33.45 2.51 0.00	32.24 2.36 0.00	31.62 2.29 0.00	32.16 2.30 0.00	39.83 2.98 0.00	40.82 3.81 0.00	43.96 4.35 -0.02	48.72 4.63 0.00	55.70 5.16 0.00	63.43 6.08 0.00	73.25 6.84 -0.65	86.82 8.17 -1.55	131.35 11.98 -17.02	166.75 15.77 -19.60	189.17 17.67 -21.72	216.42 16.51 -55.12	203.82 14.39 -57.42	151.70 10.98 -35.18	97.39 6.96 -19.36	71.15 5.04 -10.16	57.13 4.59 -2.06	47.27 4.10 0.00
HUDSON AVE_GT_5 23657	40.48 3.75 0.00	36.77 2.82 0.00	33.45 2.51 0.00	32.24 2.36 0.00	31.62 2.29 0.00	32.16 2.30 0.00	39.83 2.98 0.00	40.82 3.81 0.00	43.96 4.35 -0.02	48.72 4.63 0.00	55.70 5.16 0.00	63.43 6.08 0.00	73.25 6.84 -0.65	86.82 8.17 -1.55	131.35 11.98 -17.02	166.75 15.77 -19.60	189.17 17.67 -21.72	216.42 16.51 -55.12	203.82 14.39 -57.42	151.70 10.98 -35.18	97.39 6.96 -19.36	71.15 5.04 -10.16	57.13 4.59 -2.06	47.27 4.10 0.00
HUDSON_AVE_10 24168	40.40 3.67 0.00	36.67 2.72 0.00	33.35 2.41 0.00	32.12 2.24 0.00	31.53 2.20 0.00	32.07 2.21 0.00	39.72 2.87 0.00	40.75 3.74 0.00	43.88 4.28 -0.02	48.59 4.50 0.00	55.55 5.00 0.00	63.32 5.96 0.00	73.12 6.71 -0.65	86.66 8.02 -1.55	131.15 11.77 -17.02	166.48 15.50 -19.60	188.87 17.37 -21.72	216.14 16.22 -55.12	203.55 14.12 -57.42	151.49 10.77 -35.18	97.32 6.89 -19.36	71.04 4.92 -10.16	57.03 4.49 -2.06	47.18 4.01 0.00
HUDSON___115KV_TB 4 355613	38.90 2.17 0.00	35.92 1.97 0.00	32.73 1.79 0.00	31.62 1.73 0.00	31.04 1.70 0.00	31.56 1.70 0.00	38.99 2.14 0.00	39.19 2.18 0.00	41.57 1.98 0.00	46.21 2.12 0.00	52.87 2.33 0.00	59.82 2.47 0.00	60.01 2.83 8.58	59.97 3.39 20.52	53.27 5.12 54.20	63.52 6.57 74.44	96.00 7.94 61.72	83.59 8.11 69.31	76.86 7.66 62.80	91.66 5.91 19.79	87.74 3.62 -13.06	85.45 2.63 -26.87	63.38 2.93 -9.97	46.02 2.85 0.00
HUNTER MOUNT___DRP 323613	39.15 2.42 0.00	36.13 2.17 0.00	32.92 1.98 0.00	31.80 1.91 0.00	31.21 1.88 0.00	31.74 1.88 0.00	39.24 2.40 0.00	39.34 2.33 0.00	41.69 2.10 0.00	46.43 2.34 0.00	53.07 2.53 0.00	59.93 2.58 0.00	62.36 3.03 15.37	65.35 3.62 37.06	70.72 5.42 37.06	86.42 6.96 51.93	116.76 8.54 41.56	116.01 8.98 37.77	110.25 8.58 30.34	108.24 6.75 4.05	91.33 3.98 -16.29	82.94 2.80 -24.19	62.13 3.28 -8.37	46.41 3.24 0.00
HUNTINGTON_RES_REC 323705	55.03 4.08 -14.23	52.73 3.26 -15.51	44.41 2.84 -10.63	41.55 2.69 -8.98	40.35 2.64 -8.37	40.78 2.69 -8.23	43.01 3.39 -2.77	45.57 4.11 -4.45	47.82 4.75 -3.49	50.92 5.07 -1.76	83.11 5.36 -27.21	210.85 6.65 -146.84	256.12 7.69 -182.66	511.92 9.17 -425.65	370.52 13.30 -254.87	328.21 17.34 -179.48	281.48 19.62 -112.08	346.68 18.39 -183.49	299.32 16.37 -150.95	373.40 12.66 -255.20	449.68 7.89 -370.74	412.52 5.87 -350.70	85.34 5.00 -29.86	51.51 4.41 -3.94
HUNTLEY___63 23557	36.91 0.18 0.00	33.51 -0.44 0.00	30.35 -0.59 0.00	29.26 -0.63 0.00	28.87 -0.47 0.00	29.59 -0.27 0.00	35.67 -1.18 0.00	35.94 -1.07 0.00	39.04 -0.55 0.00	43.61 -0.48 0.00	49.74 -0.81 0.00	56.21 -1.15 0.00	64.32 -1.45 0.00	75.63 -1.46 0.00	99.41 -4.61 -1.66	125.30 -7.88 -1.80	142.69 -9.29 -2.19	141.51 -8.40 -5.11	126.72 -5.68 -0.39	103.43 -2.11 0.00	69.85 -1.21 0.00	55.95 0.00 0.00	50.88 0.40 0.00	43.95 0.78 0.00
HUNTLEY___64 23558	36.91 0.18 0.00	33.51 -0.44 0.00	30.35 -0.59 0.00	29.26 -0.63 0.00	28.87 -0.47 0.00	29.59 -0.27 0.00	35.67 -1.18 0.00	35.94 -1.07 0.00	39.04 -0.55 0.00	43.61 -0.48 0.00	49.74 -0.81 0.00	56.21 -1.15 0.00	64.32 -1.45 0.00	75.63 -1.46 0.00	99.41 -4.61 -1.66	125.30 -7.88 -1.80	142.69 -9.29 -2.19	141.51 -8.40 -5.11	126.72 -5.68 -0.39	103.43 -2.11 0.00	69.85 -1.21 0.00	55.95 0.00 0.00	50.88 0.40 0.00	43.95 0.78 0.00
HUNTLEY___65 23559	36.91 0.18 0.00	33.51 -0.44 0.00	30.35 -0.59 0.00	29.26 -0.63 0.00	28.87 -0.47 0.00	29.59 -0.27 0.00	35.67 -1.18 0.00	35.94 -1.07 0.00	39.04 -0.55 0.00	43.61 -0.48 0.00	49.74 -0.81 0.00	56.21 -1.15 0.00	64.32 -1.45 0.00	75.63 -1.46 0.00	99.41 -4.61 -1.66	125.30 -7.88 -1.80	142.69 -9.29 -2.19	141.51 -8.40 -5.11	126.72 -5.68 -0.39	103.43 -2.11 0.00	69.85 -1.21 0.00	55.95 0.00 0.00	50.88 0.40 0.00	43.95 0.78 0.00
HUNTLEY___66 23560	36.91 0.18 0.00	33.51 -0.44 0.00	30.35 -0.59 0.00	29.26 -0.63 0.00	28.87 -0.47 0.00	29.59 -0.27 0.00	35.67 -1.18 0.00	35.94 -1.07 0.00	39.04 -0.55 0.00	43.61 -0.48 0.00	49.74 -0.81 0.00	56.21 -1.15 0.00	64.32 -1.45 0.00	75.63 -1.46 0.00	99.41 -4.61 -1.66	125.30 -7.88 -1.80	142.69 -9.29 -2.19	141.51 -8.40 -5.11	126.72 -5.68 -0.39	103.43 -2.11 0.00	69.85 -1.21 0.00	55.95 0.00 0.00	50.88 0.40 0.00	43.95 0.78 0.00



HUNTLEY___67 23561	36.73 0.00 0.00	33.38 -0.58 0.00	30.23 -0.71 0.00	29.14 -0.75 0.00	28.75 -0.59 0.00	29.47 -0.39 0.00	35.52 -1.33 0.00	35.79 -1.22 0.00	38.80 -0.79 0.00	43.43 -0.66 0.00	49.69 -0.86 0.00	56.21 -1.15 0.00	64.38 -1.38 0.00	75.56 -1.54 0.00	99.56 -4.50 -1.70	125.48 -7.75 -1.84	143.05 -8.99 -2.25	141.93 -8.11 -5.24	126.86 -5.54 -0.40	103.54 -2.01 0.00	69.92 -1.14 0.00	55.95 0.00 0.00	50.83 0.35 0.00	43.73 0.56 0.00
HUNTLEY___68 23562	36.73 0.00 0.00	33.38 -0.58 0.00	30.23 -0.71 0.00	29.14 -0.75 0.00	28.75 -0.59 0.00	29.47 -0.39 0.00	35.52 -1.33 0.00	35.79 -1.22 0.00	38.80 -0.79 0.00	43.43 -0.66 0.00	49.69 -0.86 0.00	56.21 -1.15 0.00	64.38 -1.38 0.00	75.56 -1.54 0.00	99.56 -4.50 -1.70	125.48 -7.75 -1.84	143.05 -8.99 -2.25	141.93 -8.11 -5.24	126.86 -5.54 -0.40	103.54 -2.01 0.00	69.92 -1.14 0.00	55.95 0.00 0.00	50.83 0.35 0.00	43.73 0.56 0.00
HYLAND___LFG 323620	37.87 1.14 0.00	34.40 0.44 0.00	31.19 0.25 0.00	30.06 0.18 0.00	29.48 0.15 0.00	30.31 0.45 0.00	37.03 0.19 0.00	37.23 0.22 0.00	39.59 0.00 0.00	43.47 -0.62 0.00	49.43 -1.11 0.00	55.63 -1.72 0.00	58.86 -6.90 0.00	68.54 -8.56 0.00	91.62 -12.59 -1.85	117.22 -16.17 -2.00	135.15 -17.08 -2.45	136.87 -13.62 -5.69	123.99 -8.45 -0.43	102.06 -3.48 0.00	69.28 -1.77 0.00	54.95 -1.01 0.00	52.65 2.17 0.00	44.94 1.77 0.00
INDECK___CORINTH 23802	39.15 2.42 0.00	35.96 2.00 0.00	32.67 1.73 0.00	31.53 1.64 0.00	30.95 1.61 0.00	31.53 1.67 0.00	38.99 2.14 0.00	39.30 2.30 0.00	42.08 2.50 0.00	47.13 3.04 0.00	53.58 3.03 0.00	61.20 3.84 0.00	73.15 4.67 -2.72	88.53 4.94 -6.50	184.12 6.75 -75.01	225.78 8.28 -86.11	255.39 9.73 -95.88	450.20 10.13 -295.27	642.61 10.56 -500.04	436.63 8.34 -322.76	264.10 5.97 -187.07	174.34 4.75 -113.64	77.64 3.89 -23.28	46.11 2.94 0.00
INDECK___ILION 23567	37.35 0.62 0.00	34.23 0.48 0.20	31.22 0.43 0.16	30.16 0.42 0.14	29.64 0.44 0.13	30.16 0.45 0.15	37.47 0.63 0.00	37.75 0.74 0.00	40.30 0.71 0.00	44.88 0.79 0.00	51.45 0.91 0.00	57.87 1.03 0.52	66.54 1.25 0.47	80.46 1.46 -1.89	108.39 1.94 -4.09	139.01 2.50 -5.13	157.87 3.00 -5.09	151.89 2.90 -4.19	134.65 2.64 0.00	107.65 2.11 0.00	72.48 1.42 0.00	57.13 1.17 0.00	51.44 0.96 0.00	43.99 0.82 0.00
INDECK___OLEAN 23982	37.13 0.40 0.00	33.72 -0.24 0.00	30.48 -0.46 0.00	29.44 -0.45 0.00	29.07 -0.26 0.00	29.77 -0.09 0.00	36.00 -0.85 0.00	36.60 -0.41 0.00	39.47 -0.12 0.00	44.22 0.13 0.00	50.90 0.36 0.00	57.41 0.06 0.00	66.10 0.33 0.00	77.64 0.54 0.00	102.67 -1.74 -2.06	129.79 -3.81 -2.22	148.30 -4.19 -2.71	147.35 -3.77 -6.31	131.04 -1.45 -0.48	106.28 0.74 0.00	71.77 0.71 0.00	57.01 1.06 0.00	51.34 0.86 0.00	43.95 0.78 0.00
INDECK___OSWEGO 23783	40.60 -0.51 -4.39	35.98 -0.65 -2.68	31.73 -0.62 -1.41	30.21 -0.63 -0.96	29.49 -0.59 -0.74	30.23 -0.57 -0.94	40.88 -0.74 -4.77	39.04 -0.59 -2.62	44.03 -0.59 -5.03	49.13 -0.62 -5.66	57.03 -0.71 -7.19	65.77 -0.75 -9.16	77.73 -0.79 -12.75	91.34 -0.92 -15.17	116.25 -1.53 -15.43	149.43 -2.23 -20.28	166.43 -2.40 -19.05	158.09 -2.03 -15.32	151.69 -1.45 -21.13	122.60 -0.85 -17.90	83.97 -0.49 -13.41	64.52 -0.39 -8.96	56.80 -0.46 -6.78	48.56 -0.43 -5.82
INDECK___YERKES 23781	36.88 0.15 0.00	33.55 -0.41 0.00	30.38 -0.56 0.00	29.37 -0.51 0.00	28.86 -0.47 0.00	29.62 -0.24 0.00	35.74 -1.10 0.00	35.93 -1.07 0.00	39.07 -0.52 0.00	43.69 -0.40 0.00	49.79 -0.76 0.00	55.98 -1.38 0.00	64.32 -1.45 0.00	75.63 -1.47 0.00	99.42 -4.60 -1.66	125.30 -7.88 -1.80	142.84 -9.14 -2.19	141.51 -8.40 -5.11	126.86 -5.54 -0.39	103.43 -2.11 0.00	69.85 -1.21 0.00	55.95 0.00 0.00	50.78 0.30 0.00	44.03 0.86 0.00
INDIAN POINT_GT_1 24139	39.85 3.12 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.88 2.00 0.00	31.30 1.97 0.00	31.86 2.00 0.00	39.32 2.47 0.00	40.12 3.11 0.00	43.15 3.56 0.00	47.88 3.79 0.00	54.94 4.40 0.00	62.57 5.22 0.00	72.38 5.98 -0.63	85.70 7.09 -1.51	129.41 10.34 -16.71	164.28 13.66 -19.23	186.54 15.43 -21.33	213.33 14.34 -54.20	201.09 12.67 -56.41	149.71 9.60 -34.57	96.28 6.18 -19.04	70.44 4.48 -10.01	56.45 3.94 -2.03	46.71 3.54 0.00
INDIAN POINT_GT_2 23659	39.85 3.12 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.88 2.00 0.00	31.30 1.97 0.00	31.86 2.00 0.00	39.32 2.47 0.00	40.12 3.11 0.00	43.15 3.56 0.00	47.88 3.79 0.00	54.94 4.40 0.00	62.57 5.22 0.00	72.38 5.98 -0.63	85.70 7.09 -1.51	129.41 10.34 -16.71	164.28 13.66 -19.23	186.54 15.43 -21.33	213.33 14.34 -54.20	201.09 12.67 -56.41	149.71 9.60 -34.57	96.28 6.18 -19.04	70.44 4.48 -10.01	56.45 3.94 -2.03	46.71 3.54 0.00
INDIAN POINT_GT_3 24019	39.85 3.12 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.88 2.00 0.00	31.30 1.97 0.00	31.86 2.00 0.00	39.32 2.47 0.00	40.12 3.11 0.00	43.15 3.56 0.00	47.88 3.79 0.00	54.94 4.40 0.00	62.57 5.22 0.00	72.38 5.98 -0.63	85.70 7.09 -1.51	129.41 10.34 -16.71	164.28 13.66 -19.23	186.54 15.43 -21.33	213.33 14.34 -54.20	201.09 12.67 -56.41	149.71 9.60 -34.57	96.28 6.18 -19.04	70.44 4.48 -10.01	56.45 3.94 -2.03	46.71 3.54 0.00
INDIAN POINT___2 23530	39.78 3.05 0.00	36.27 2.31 0.00	33.01 2.07 0.00	31.80 1.91 0.00	31.24 1.91 0.00	31.80 1.94 0.00	39.24 2.39 0.00	40.04 3.04 0.00	43.07 3.48 0.00	47.84 3.75 0.00	54.74 4.19 0.00	62.52 5.16 0.00	72.22 5.85 -0.60	85.48 6.94 -1.44	128.74 10.14 -16.25	163.48 13.41 -18.68	185.52 14.98 -20.76	211.54 13.90 -52.84	199.13 12.28 -54.85	148.56 9.39 -33.63	95.65 6.04 -18.56	69.41 4.37 -9.09	56.36 3.89 -1.99	46.58 3.41 0.00
INDIAN POINT___3 23531	39.74 3.01 0.00	36.23 2.27 0.00	32.98 2.04 0.00	31.82 1.94 0.00	31.24 1.91 0.00	31.77 1.91 0.00	39.24 2.40 0.00	40.04 3.03 0.00	43.07 3.48 0.00	47.79 3.70 0.00	54.79 4.25 0.00	62.46 5.10 0.00	72.18 5.79 -0.63	85.47 6.86 -1.51	129.12 10.03 -16.74	163.92 13.27 -19.26	185.97 14.83 -21.36	212.82 13.76 -54.27	200.64 12.14 -56.49	149.45 9.29 -34.62	96.03 5.90 -19.07	70.28 4.31 -10.02	56.35 3.84 -2.03	46.58 3.41 0.00
INGHAM_C_115KV_TB7 356103	37.46 0.73 0.00	34.33 0.58 0.20	31.28 0.50 0.16	30.22 0.48 0.14	29.73 0.53 0.13	30.25 0.54 0.15	37.62 0.77 0.00	37.90 0.89 0.00	40.46 0.87 0.00	45.06 0.97 0.00	51.66 1.11 0.00	58.09 1.26 0.52	66.81 1.51 0.47	80.76 1.77 -1.89	108.70 2.25 -4.09	139.53 3.02 -5.13	158.32 3.44 -5.09	152.47 3.48 -4.19	135.18 3.17 0.00	108.18 2.64 0.00	72.83 1.78 0.00	57.41 1.45 0.00	51.69 1.21 0.00	44.20 1.04 0.00
IP CORINTH___1 23988	39.37 2.64 0.00	36.16 2.21 0.00	32.86 1.92 0.00	31.68 1.79 0.00	31.09 1.76 0.00	31.68 1.82 0.00	39.17 2.32 0.00	39.49 2.48 0.00	42.28 2.69 0.00	47.40 3.31 0.00	53.93 3.39 0.00	61.54 4.19 0.00	73.48 5.00 -2.72	88.91 5.32 -6.50	184.73 7.37 -75.01	226.43 8.93 -86.11	256.15 10.48 -95.88	451.07 11.00 -295.27	643.27 11.22 -500.04	437.27 8.97 -322.76	264.52 6.40 -187.07	174.68 5.09 -113.64	77.95 4.19 -23.28	46.36 3.19 0.00

IP___TICONDEROGA 23804	41.87 5.14 0.00	38.40 4.45 0.00	34.78 3.84 0.00	33.50 3.62 0.00	32.88 3.55 0.00	33.57 3.70 0.00	41.46 4.61 0.00	41.75 4.74 0.00	44.82 5.23 0.00	50.44 6.35 0.00	57.47 6.92 0.00	65.79 8.43 0.00	78.60 10.00 -2.84	95.06 11.18 -6.79	193.20 15.05 -75.80	236.71 18.13 -87.19	267.69 21.12 -96.79	462.93 22.01 -296.12	653.72 21.78 -499.93	445.52 17.63 -322.36	269.61 12.08 -186.47	178.78 9.79 -113.04	81.74 8.18 -23.08	49.30 6.13 0.00
ISLIP_RES_REC 323679	55.92 4.99 -14.20	53.47 4.00 -15.51	45.06 3.50 -10.63	42.18 3.32 -8.98	40.96 3.26 -8.37	41.41 3.31 -8.23	43.78 4.16 -2.77	46.35 4.88 -4.45	48.74 5.66 -3.49	51.89 6.04 -1.76	67.71 6.62 -10.55	137.35 8.03 -71.96	151.56 9.21 -76.59	260.56 10.94 -172.52	242.24 15.55 -124.33	277.02 19.96 -125.67	283.97 22.32 -111.86	349.07 20.99 -183.28	301.69 18.88 -150.81	265.57 14.77 -145.26	236.04 9.38 -155.61	207.48 7.16 -144.36	72.08 6.11 -15.49	61.13 5.26 -12.69
JAMAICA__27_KV_LOAD 355505	40.84 4.11 0.00	36.91 2.95 0.00	33.60 2.66 0.00	32.30 2.42 0.00	31.74 2.41 0.00	32.25 2.39 0.00	40.02 3.17 0.00	41.08 4.07 0.00	44.28 4.67 -0.02	49.07 4.98 0.00	56.16 5.61 0.00	64.06 6.71 0.00	73.91 7.50 -0.65	87.59 8.94 -1.55	132.48 13.10 -17.03	168.20 17.21 -19.60	190.83 19.32 -21.73	218.03 18.10 -55.13	205.41 15.97 -57.43	153.07 12.35 -35.18	98.38 7.96 -19.36	71.82 5.71 -10.16	57.64 5.10 -2.06	47.66 4.49 0.00
JANIS___SOLAR 323808	39.81 2.24 -0.84	36.27 1.73 -0.59	32.73 1.45 -0.33	31.53 1.40 -0.24	31.08 1.55 -0.19	31.77 1.67 -0.24	40.01 2.25 -0.91	39.99 2.48 -0.50	42.92 2.38 -0.96	47.72 2.56 -1.08	54.70 2.78 -1.37	62.35 3.04 -1.95	71.98 3.55 -2.67	85.00 4.31 -3.59	115.56 4.91 -8.29	147.67 6.31 -9.98	168.19 8.38 -10.03	173.67 9.41 -19.47	165.19 10.03 -23.16	130.18 8.87 -15.77	87.26 6.18 -10.02	67.18 4.81 -6.42	56.69 3.89 -2.32	47.30 3.02 -1.11
JARVIS____ 23743	37.17 0.44 0.00	34.06 0.30 0.20	31.06 0.28 0.16	30.01 0.27 0.14	29.50 0.29 0.13	30.01 0.30 0.15	37.22 0.37 0.00	37.45 0.45 0.00	40.07 0.48 0.00	44.62 0.53 0.00	51.10 0.56 0.00	57.52 0.69 0.52	66.09 0.79 0.47	79.92 0.93 -1.89	107.68 1.23 -4.09	138.10 1.58 -5.13	156.68 1.80 -5.09	150.74 1.74 -4.19	133.60 1.59 0.00	106.81 1.27 0.00	71.91 0.86 0.00	56.63 0.67 0.00	51.09 0.61 0.00	43.73 0.56 0.00
JENNISON___1 23625	39.74 2.42 -0.59	36.30 1.94 -0.41	32.81 1.64 -0.23	31.63 1.58 -0.17	31.26 1.79 -0.14	31.91 1.88 -0.17	40.07 2.58 -0.64	40.32 2.96 -0.35	43.19 2.93 -0.67	48.11 3.26 -0.76	55.25 3.74 -0.96	62.91 4.19 -1.37	72.57 4.93 -1.88	85.48 5.86 -2.52	118.40 7.16 -8.88	150.90 9.20 -10.32	172.09 11.23 -11.08	182.77 11.44 -26.53	177.12 11.22 -33.89	137.48 9.39 -22.55	91.42 6.40 -13.97	69.98 5.15 -8.88	57.21 4.14 -2.59	47.23 3.28 -0.78
JENNISON___2 23626	39.74 2.42 -0.59	36.30 1.94 -0.41	32.81 1.64 -0.23	31.63 1.58 -0.17	31.26 1.79 -0.14	31.91 1.88 -0.17	40.07 2.58 -0.64	40.32 2.96 -0.35	43.19 2.93 -0.67	48.11 3.26 -0.76	55.25 3.74 -0.96	62.91 4.19 -1.37	72.57 4.93 -1.88	85.48 5.86 -2.52	118.40 7.16 -8.88	150.90 9.20 -10.32	172.09 11.23 -11.08	182.77 11.44 -26.53	177.12 11.22 -33.89	137.48 9.39 -22.55	91.42 6.40 -13.97	69.98 5.15 -8.88	57.21 4.14 -2.59	47.23 3.28 -0.78
JERICHO_RISE_WT_PWR 323719	34.97 -1.76 0.00	31.74 -1.29 0.93	29.03 -1.18 0.73	28.12 -1.11 0.66	27.54 -1.17 0.62	27.95 -1.20 0.72	35.55 -1.29 0.01	35.34 -1.66 0.00	37.77 -1.82 0.00	42.20 -1.89 0.00	48.56 -1.97 0.01	51.65 -3.27 2.44	56.17 -4.21 5.38	66.13 -4.85 6.11	83.27 -6.35 12.74	106.55 -8.02 16.82	130.42 -9.14 10.22	129.15 -8.84 6.81	123.43 -8.58 0.00	98.57 -6.97 0.00	66.22 -4.83 0.00	52.37 -3.58 0.00	47.75 -2.73 0.00	40.45 -2.72 0.00
KATONAH___115KV_46KV_TB4 355592	40.14 3.42 0.00	36.54 2.58 0.00	33.26 2.32 0.00	32.09 2.21 0.00	31.48 2.14 0.00	32.04 2.18 0.00	39.58 2.73 0.00	40.38 3.37 0.00	43.43 3.84 0.00	48.24 4.14 0.00	55.35 4.80 0.00	63.20 5.85 0.00	73.19 6.77 -0.65	86.67 8.02 -1.55	131.16 11.57 -17.24	166.86 15.63 -19.84	189.17 17.37 -22.01	217.13 16.36 -55.97	205.05 14.65 -58.39	152.42 11.08 -35.80	97.83 7.03 -19.73	71.54 5.20 -10.38	57.08 4.49 -2.11	47.05 3.89 0.00
KCE_NY_1 323755	39.52 2.79 0.00	36.30 2.34 0.00	33.04 2.10 0.00	31.88 2.00 0.00	31.30 1.97 0.00	31.86 2.00 0.00	39.32 2.47 0.00	39.64 2.63 0.00	42.36 2.77 0.00	47.35 3.26 0.00	54.13 3.59 0.00	61.71 4.36 0.00	73.97 5.19 -3.01	90.23 5.94 -7.20	187.36 8.08 -76.92	230.22 10.12 -88.72	259.68 11.83 -98.07	454.01 11.88 -297.33	643.00 11.21 -499.78	436.20 8.87 -321.79	262.73 6.04 -185.64	172.95 4.81 -112.19	77.37 4.09 -22.80	46.49 3.32 0.00
KCE_NY_6_ESR 323823	37.17 0.44 0.00	33.79 -0.17 0.00	30.60 -0.34 0.00	29.58 -0.30 0.00	29.10 -0.24 0.00	29.83 -0.03 0.00	36.07 -0.78 0.00	36.30 -0.70 0.00	39.47 -0.12 0.00	44.18 0.09 0.00	50.65 0.10 0.00	57.01 -0.34 0.00	65.63 -0.13 0.00	77.17 0.08 0.00	101.69 -2.46 -1.79	128.33 -4.99 -1.94	146.31 -5.84 -2.37	145.24 -5.07 -5.51	129.79 -2.64 -0.42	105.65 0.11 0.00	71.34 0.29 0.00	56.96 1.01 0.00	51.59 1.11 0.00	44.42 1.25 0.00
KEDC_PORT_JEFF_GT2 24210	55.48 4.55 -14.20	53.10 3.63 -15.51	44.75 3.19 -10.63	41.88 3.02 -8.98	40.67 2.96 -8.37	41.11 3.01 -8.23	43.42 3.80 -2.77	45.94 4.48 -4.45	48.26 5.18 -3.49	51.32 5.47 -1.76	68.97 5.51 -12.91	146.31 6.54 -82.42	164.75 7.43 -91.55	293.76 8.86 -207.80	257.43 12.79 -142.28	280.57 16.55 -132.63	278.91 18.42 -110.71	344.63 17.37 -182.46	297.87 15.44 -150.43	273.67 11.92 -156.21	264.84 7.61 -186.18	235.35 5.71 -173.69	73.11 5.10 -17.54	57.20 4.45 -9.58
KEDC_PORT_JEFF_GT3 24211	55.48 4.55 -14.20	53.10 3.63 -15.51	44.75 3.19 -10.63	41.88 3.02 -8.98	40.67 2.96 -8.37	41.11 3.01 -8.23	43.42 3.80 -2.77	45.94 4.48 -4.45	48.26 5.18 -3.49	51.32 5.47 -1.76	68.97 5.51 -12.91	146.31 6.54 -82.42	164.75 7.43 -91.55	293.76 8.86 -207.80	257.43 12.79 -142.28	280.57 16.55 -132.63	278.91 18.42 -110.71	344.63 17.37 -182.46	297.87 15.44 -150.43	273.67 11.92 -156.21	264.84 7.61 -186.18	235.35 5.71 -173.69	73.11 5.10 -17.54	57.20 4.45 -9.58
KEDC_GLWD_GT4 24219	54.81 3.89 -14.19	52.49 3.02 -15.51	44.51 2.94 -10.63	41.64 2.78 -8.98	40.44 2.73 -8.37	40.87 2.78 -8.23	43.08 3.46 -2.77	45.64 4.18 -4.45	47.86 4.79 -3.49	50.88 5.02 -1.76	56.01 5.46 0.00	85.11 6.82 -20.93	97.30 7.76 -23.78	189.30 9.25 -102.96	236.31 13.30 -120.65	331.21 17.48 -182.35	436.72 19.62 -267.32	457.06 18.39 -293.87	350.85 16.23 -202.61	255.17 12.45 -137.18	98.30 7.89 -19.36	75.51 5.87 -13.69	61.98 5.10 -6.40	53.51 4.53 -5.81
KEDC_GLWD_GT5 24220	54.81 3.89 -14.19	52.49 3.02 -15.51	44.51 2.94 -10.63	41.64 2.78 -8.98	40.44 2.73 -8.37	40.87 2.78 -8.23	43.08 3.46 -2.77	45.64 4.18 -4.45	47.86 4.79 -3.49	50.88 5.02 -1.76	56.01 5.46 0.00	85.11 6.82 -20.93	97.30 7.76 -23.78	189.30 9.25 -102.96	236.31 13.30 -120.65	331.21 17.48 -182.35	436.72 19.62 -267.32	457.06 18.39 -293.87	350.85 16.23 -202.61	255.17 12.45 -137.18	98.30 7.89 -19.36	75.51 5.87 -13.69	61.98 5.10 -6.40	53.51 4.53 -5.81

KENSICO____ 23655	40.00 3.27 0.00	36.43 2.48 0.00	33.17 2.23 0.00	31.97 2.09 0.00	31.39 2.05 0.00	31.92 2.06 0.00	39.47 2.62 0.00	40.30 3.29 0.00	43.35 3.76 0.00	48.10 4.01 0.00	55.09 4.55 0.00	62.80 5.45 0.00	72.59 6.18 -0.65	86.04 7.40 -1.54	130.07 10.75 -16.97	165.11 14.19 -19.54	187.31 15.88 -21.66	214.53 14.77 -54.96	202.34 13.07 -57.26	150.55 9.92 -35.08	96.70 6.32 -19.31	70.73 4.64 -10.14	56.67 4.14 -2.06	46.84 3.67 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	39.78 3.05 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.80 1.91 0.00	31.21 1.88 0.00	31.77 1.91 0.00	39.28 2.43 0.00	39.97 2.96 0.00	43.15 3.56 0.00	47.93 3.84 0.00	54.99 4.45 0.00	62.63 5.28 0.00	71.53 6.18 0.42	83.58 7.48 0.99	120.78 10.75 -7.67	153.37 14.45 -7.53	176.41 16.03 -10.60	196.40 15.49 -36.11	183.56 13.99 -37.56	141.15 10.66 -24.95	94.38 7.03 -16.28	71.67 4.98 -10.74	57.32 4.19 -2.65	46.71 3.54 0.00
KIAC_JFK_GT1 23816	40.44 3.71 0.00	36.57 2.61 0.00	33.38 2.44 0.00	32.00 2.12 0.00	31.53 2.20 0.00	31.95 2.09 0.00	39.65 2.80 0.00	40.71 3.70 0.00	43.88 4.28 -0.02	48.63 4.54 0.00	55.60 5.05 0.00	63.38 6.02 0.00	73.19 6.77 -0.65	86.74 8.10 -1.55	131.26 11.87 -17.03	166.62 15.63 -19.60	189.03 17.52 -21.73	216.29 16.36 -55.13	203.83 14.39 -57.43	151.70 10.98 -35.18	97.46 7.03 -19.36	71.15 5.04 -10.16	57.03 4.49 -2.06	47.18 4.01 0.00
KIAC_JFK_GT2 23817	40.44 3.71 0.00	36.57 2.61 0.00	33.38 2.44 0.00	32.00 2.12 0.00	31.53 2.20 0.00	31.95 2.09 0.00	39.65 2.80 0.00	40.71 3.70 0.00	43.88 4.28 -0.02	48.63 4.54 0.00	55.60 5.05 0.00	63.38 6.02 0.00	73.19 6.77 -0.65	86.74 8.10 -1.55	131.26 11.87 -17.03	166.62 15.63 -19.60	189.03 17.52 -21.73	216.29 16.36 -55.13	203.83 14.39 -57.43	151.70 10.98 -35.18	97.46 7.03 -19.36	71.15 5.04 -10.16	57.03 4.49 -2.06	47.18 4.01 0.00
KIAC_JFK____ 323774	40.48 3.75 0.00	36.61 2.65 0.00	33.38 2.44 0.00	32.00 2.12 0.00	31.56 2.23 0.00	31.95 2.09 0.00	39.65 2.80 0.00	40.71 3.70 0.00	43.88 4.28 -0.02	48.63 4.54 0.00	55.50 4.96 0.00	63.43 6.08 0.00	73.19 6.78 -0.65	86.74 8.09 -1.55	131.25 11.87 -17.03	166.62 15.63 -19.60	189.02 17.52 -21.73	216.28 16.36 -55.13	203.83 14.39 -57.43	151.70 10.98 -35.18	97.53 7.11 -19.36	71.15 5.04 -10.16	57.08 4.54 -2.06	47.18 4.02 0.00
KINTIGH____ 23543	36.55 -0.18 0.00	33.31 -0.65 0.00	30.20 -0.74 0.00	29.08 -0.81 0.00	28.66 -0.67 0.00	29.38 -0.48 0.00	35.56 -1.29 0.00	35.79 -1.22 0.00	38.76 -0.83 0.00	43.30 -0.79 0.00	49.53 -1.01 0.00	56.09 -1.26 0.00	64.19 -1.58 0.00	75.32 -1.77 0.00	97.85 -4.50 0.00	124.03 -7.36 0.00	141.24 -8.54 0.00	137.12 -7.67 0.00	126.46 -5.54 0.00	103.22 -2.32 0.00	69.71 -1.35 0.00	55.67 -0.28 0.00	50.53 0.05 0.00	43.38 0.22 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	35.33 -1.40 0.00	32.68 -1.02 0.25	29.81 -0.93 0.20	28.84 -0.87 0.18	28.23 -0.94 0.17	28.74 -0.93 0.20	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.68 -1.41 0.00	48.62 -1.92 0.00	53.14 -3.56 0.66	57.85 -4.54 3.37	67.97 -5.24 3.89	87.39 -6.76 8.21	112.33 -8.41 10.65	132.50 -9.44 7.85	129.74 -9.27 5.79	122.90 -9.11 0.00	98.36 -7.18 0.00	66.08 -4.97 0.00	52.26 -3.69 0.00	48.31 -2.17 0.00	40.88 -2.29 0.00
LACHUTE__HYDRO 323717	41.87 5.14 0.00	38.40 4.45 0.00	34.77 3.84 0.00	33.50 3.61 0.00	32.88 3.55 0.00	33.57 3.70 0.00	41.45 4.61 0.00	41.78 4.78 0.00	44.81 5.23 0.00	50.44 6.35 0.00	57.42 6.87 0.00	65.79 8.43 0.00	78.60 9.99 -2.84	95.06 11.18 -6.79	193.21 15.05 -75.80	236.72 18.14 -87.19	267.69 21.12 -96.79	462.92 22.00 -296.12	653.72 21.78 -499.93	445.52 17.63 -322.36	269.68 12.15 -186.47	178.78 9.79 -113.04	81.74 8.18 -23.08	49.30 6.13 0.00
LAWRNCV_115KV_TB1 80681	33.83 -2.90 0.00	21.32 -2.31 10.33	20.73 -2.10 8.11	20.53 -2.00 7.35	20.44 -2.02 6.87	19.79 -2.06 8.01	34.51 -2.25 0.09	34.46 -2.55 0.00	36.62 -2.97 0.00	40.74 -3.35 0.00	46.61 -3.84 0.09	25.53 -4.70 27.12	26.88 -5.46 33.43	35.97 -6.32 34.81	23.18 -8.09 71.09	24.60 -10.12 96.67	100.15 -11.38 38.25	116.63 -11.00 17.17	121.58 -10.43 0.00	97.20 -8.34 0.00	65.59 -5.47 0.00	51.53 -4.42 0.00	46.49 -3.99 0.00	39.54 -3.63 0.00
LEDERLE____ 23769	39.89 3.16 0.00	36.33 2.38 0.00	33.10 2.17 0.00	31.91 2.03 0.00	31.36 2.02 0.00	31.89 2.03 0.00	39.35 2.51 0.00	40.15 3.15 0.00	43.23 3.64 0.00	48.06 3.97 0.00	55.20 4.65 0.00	62.86 5.51 0.00	72.65 6.31 -0.58	86.03 7.56 -1.38	129.01 10.85 -15.81	163.86 14.32 -18.15	186.16 16.18 -20.20	211.38 15.06 -51.52	198.70 13.33 -53.36	148.30 10.03 -32.73	95.62 6.47 -18.10	69.56 4.70 -8.91	56.57 4.14 -1.95	46.79 3.63 0.00
LIGHTRSE_115KV_TB6 355974	38.65 -0.44 -2.36	34.04 -0.58 -0.66	30.50 -0.59 -0.15	29.22 -0.63 0.04	28.69 -0.53 0.12	29.23 -0.54 0.10	38.85 -0.55 -2.56	38.05 -0.37 -1.41	41.78 -0.51 -2.71	46.56 -0.57 -3.04	53.70 -0.71 -3.86	59.61 -0.63 -2.89	69.35 -0.72 -4.31	76.06 -0.85 0.19	91.37 -1.74 9.25	116.92 -2.50 11.97	141.59 -2.55 5.65	139.62 -2.03 3.15	142.32 -1.06 -11.37	114.85 -0.32 -9.63	78.20 -0.07 -7.21	60.83 0.06 -4.82	54.03 -0.10 -3.65	46.04 -0.26 -3.13
LINDEN COGEN____ 23786	40.22 3.49 0.00	36.53 2.58 0.00	33.20 2.26 0.00	31.97 2.09 0.00	31.42 2.08 0.00	31.95 2.09 0.00	39.54 2.69 0.00	40.53 3.52 0.00	43.64 4.04 -0.02	46.92 4.19 1.36	46.92 4.55 8.18	48.83 5.51 14.03	58.43 6.18 13.51	71.80 7.40 12.70	112.42 10.96 0.90	142.44 14.45 3.40	160.73 16.18 5.23	172.91 15.06 -13.05	156.02 13.07 -10.94	136.41 9.92 -20.95	81.35 6.32 -3.97	58.66 4.48 1.76	47.92 4.09 6.65	45.80 3.71 1.09
LINDHRST_69_KV_BK1 356055	55.47 4.55 -14.19	53.10 3.63 -15.51	44.78 3.22 -10.63	41.94 3.08 -8.98	40.70 2.99 -8.37	41.14 3.05 -8.23	43.45 3.83 -2.77	46.02 4.55 -4.45	48.26 5.19 -3.49	51.41 5.56 -1.76	57.68 6.17 -0.97	91.30 7.40 -26.54	91.50 8.48 -17.25	124.70 10.18 -37.42	175.27 14.53 -58.37	255.62 19.05 -105.18	301.01 21.57 -129.66	361.00 20.27 -195.93	306.95 18.22 -156.73	236.88 14.25 -117.09	111.85 8.88 -31.91	88.45 6.77 -25.73	63.57 5.86 -7.24	59.37 5.18 -11.02
LIPA_MISC_IPP 23656	55.48 4.55 -14.20	53.10 3.63 -15.51	44.75 3.19 -10.63	41.88 3.02 -8.98	40.64 2.93 -8.37	41.08 2.99 -8.23	43.41 3.80 -2.77	45.98 4.52 -4.45	48.26 5.19 -3.49	51.27 5.42 -1.76	67.40 5.96 -10.89	137.77 7.17 -73.25	152.75 8.35 -78.63	263.79 9.95 -176.74	242.51 14.02 -126.13	274.99 17.87 -125.73	279.76 19.92 -110.06	345.47 18.68 -181.99	298.97 16.77 -150.20	259.70 13.40 -140.75	239.61 8.46 -160.09	211.17 6.55 -148.67	71.93 5.65 -15.79	57.53 4.75 -9.61
LISF__SOLAR 323691	55.63 4.70 -14.20	53.24 3.77 -15.51	44.84 3.28 -10.63	41.97 3.11 -8.98	40.76 3.05 -8.37	41.20 3.11 -8.23	43.52 3.90 -2.77	46.05 4.59 -4.45	48.38 5.31 -3.49	51.41 5.56 -1.76	67.61 6.01 -11.05	138.69 7.34 -73.99	153.96 8.55 -79.65	266.61 10.26 -179.26	244.27 14.44 -127.48	276.01 18.26 -126.37	280.74 20.68 -110.28	346.21 19.26 -182.15	299.71 17.42 -150.28	261.76 13.71 -142.50	242.06 8.88 -162.12	213.34 6.77 -150.62	72.11 5.70 -15.93	57.98 4.92 -9.89

LITTLE FALLS___HYD 24013	37.46 0.73 0.00	34.33 0.58 0.20	31.28 0.50 0.16	30.22 0.48 0.14	29.73 0.53 0.13	30.25 0.54 0.15	37.62 0.77 0.00	37.90 0.89 0.00	40.46 0.87 0.00	45.06 0.97 0.00	51.66 1.11 0.00	58.09 1.26 0.52	66.81 1.51 0.47	80.76 1.77 -1.89	108.70 2.25 -4.09	139.53 3.02 -5.13	158.32 3.44 -5.09	152.47 3.48 -4.19	135.18 3.17 0.00	108.18 2.64 0.00	72.83 1.78 0.00	57.41 1.45 0.00	51.69 1.21 0.00	44.20 1.04 0.00
LITTLRIV_115KV_TB1 356100	34.41 -2.61 -0.29	22.27 -2.04 9.65	21.46 -1.86 7.63	21.22 -1.73 6.93	21.11 -1.73 6.49	20.57 -1.73 7.56	35.34 -1.73 -0.22	35.11 -2.07 -0.17	37.39 -2.53 -0.33	41.55 -2.91 -0.37	47.54 -3.39 -0.38	27.90 -4.24 25.21	29.87 -4.87 31.03	38.41 -5.55 33.14	26.51 -7.06 68.78	29.17 -8.80 93.41	102.60 -9.74 37.44	118.28 -9.41 17.11	124.55 -8.84 -1.38	99.75 -6.97 -1.17	67.39 -4.55 -0.88	52.85 -3.69 -0.59	47.49 -3.43 -0.44	40.36 -3.19 -0.38
LI_NEWBRDGE___DRP 323616	54.63 3.71 -14.19	52.35 2.89 -15.51	44.13 2.57 -10.63	41.31 2.45 -8.98	40.11 2.41 -8.37	40.51 2.42 -8.23	42.68 3.06 -2.77	45.20 3.74 -4.45	47.35 4.28 -3.49	50.39 4.54 -1.76	55.55 5.00 0.00	84.37 6.08 -20.93	80.39 6.91 -7.72	86.82 8.17 -1.55	146.72 11.98 -32.39	227.96 15.63 -80.94	260.78 17.52 -93.47	331.35 16.36 -170.19	291.19 14.52 -144.66	227.30 11.08 -110.68	97.38 6.96 -19.36	74.90 5.26 -13.69	61.58 4.69 -6.40	53.12 4.14 -5.81
LOCKPORT_115KV_TB60_63_64 80432	36.62 -0.11 0.00	33.28 -0.68 0.00	30.13 -0.80 0.00	29.02 -0.87 0.00	28.63 -0.70 0.00	29.38 -0.48 0.00	35.38 -1.47 0.00	35.60 -1.41 0.00	38.64 -0.95 0.00	43.16 -0.93 0.00	49.33 -1.21 0.00	55.63 -1.72 0.00	63.73 -2.04 0.00	74.78 -2.31 0.00	98.30 -5.63 -1.58	123.89 -9.20 -1.70	141.23 -10.63 -2.08	140.08 -9.56 -4.84	125.64 -6.73 -0.37	102.59 -2.96 0.00	69.28 -1.78 0.00	55.62 -0.34 0.00	50.53 0.05 0.00	43.56 0.39 0.00
LOCKPORT___CC1 323769	36.40 -0.33 0.00	33.11 -0.85 0.00	29.95 -0.99 0.00	29.02 -0.87 0.00	28.48 -0.85 0.00	29.23 -0.63 0.00	35.27 -1.58 0.00	35.38 -1.63 0.00	38.48 -1.11 0.00	42.99 -1.10 0.00	49.18 -1.36 0.00	55.17 -2.18 0.00	63.40 -2.36 0.00	74.48 -2.62 0.00	97.81 -6.14 -1.59	123.25 -9.86 -1.72	140.49 -11.39 -2.10	139.41 -10.28 -4.89	124.99 -7.39 -0.37	102.06 -3.48 0.00	69.07 -1.99 0.00	55.34 -0.61 0.00	50.23 -0.25 0.00	43.34 0.17 0.00
LOCKPORT___CC2 323770	36.40 -0.33 0.00	33.11 -0.85 0.00	29.95 -0.99 0.00	29.02 -0.87 0.00	28.48 -0.85 0.00	29.23 -0.63 0.00	35.27 -1.58 0.00	35.38 -1.63 0.00	38.48 -1.11 0.00	42.99 -1.10 0.00	49.18 -1.36 0.00	55.17 -2.18 0.00	63.40 -2.36 0.00	74.48 -2.62 0.00	97.81 -6.14 -1.59	123.25 -9.86 -1.72	140.49 -11.39 -2.10	139.41 -10.28 -4.89	124.99 -7.39 -0.37	102.06 -3.48 0.00	69.07 -1.99 0.00	55.34 -0.61 0.00	50.23 -0.25 0.00	43.34 0.17 0.00
LOCKPORT___CC3 323771	36.40 -0.33 0.00	33.11 -0.85 0.00	29.95 -0.99 0.00	29.02 -0.87 0.00	28.48 -0.85 0.00	29.23 -0.63 0.00	35.27 -1.58 0.00	35.38 -1.63 0.00	38.48 -1.11 0.00	42.99 -1.10 0.00	49.18 -1.36 0.00	55.17 -2.18 0.00	63.40 -2.36 0.00	74.48 -2.62 0.00	97.81 -6.14 -1.59	123.25 -9.86 -1.72	140.49 -11.39 -2.10	139.41 -10.28 -4.89	124.99 -7.39 -0.37	102.06 -3.48 0.00	69.07 -1.99 0.00	55.34 -0.61 0.00	50.23 -0.25 0.00	43.34 0.17 0.00
LONG_LAKE_PHOENIX 24014	39.86 -0.18 -3.32	35.64 -0.34 -2.02	31.64 -0.37 -1.07	30.22 -0.39 -0.73	29.54 -0.35 -0.56	30.27 -0.30 -0.71	40.01 -0.44 -3.60	38.73 -0.26 -1.98	43.16 -0.24 -3.81	48.19 -0.18 -4.28	55.78 -0.20 -5.44	64.17 -0.11 -6.93	75.27 -0.13 -9.64	88.81 -0.15 -11.87	114.26 -0.61 -12.52	146.89 -0.92 -16.42	164.20 -0.90 -15.31	156.51 -0.58 -12.29	147.85 -0.13 -15.98	119.29 0.21 -13.54	81.34 0.14 -10.14	62.89 0.17 -6.77	55.66 0.05 -5.13	47.53 -0.04 -4.40
LOVETT___3 23632	39.67 2.94 0.00	36.16 2.21 0.00	32.92 1.98 0.00	31.77 1.88 0.00	31.18 1.85 0.00	31.74 1.88 0.00	39.13 2.28 0.00	39.93 2.92 0.00	42.95 3.37 0.00	47.71 3.62 0.00	54.74 4.20 0.00	62.34 4.99 0.00	72.07 5.72 -0.58	85.28 6.78 -1.40	128.11 9.83 -15.93	162.69 13.01 -18.30	184.81 14.68 -20.35	210.29 13.61 -51.88	197.78 12.01 -53.76	147.59 9.08 -32.98	95.11 5.83 -18.22	69.16 4.25 -8.96	56.13 3.68 -1.96	46.49 3.32 0.00
LOVETT___4 23642	39.67 2.94 0.00	36.16 2.21 0.00	32.92 1.98 0.00	31.77 1.88 0.00	31.18 1.85 0.00	31.74 1.88 0.00	39.13 2.28 0.00	39.93 2.92 0.00	42.95 3.37 0.00	47.71 3.62 0.00	54.74 4.20 0.00	62.34 4.99 0.00	72.07 5.72 -0.58	85.28 6.78 -1.40	128.11 9.83 -15.93	162.69 13.01 -18.30	184.81 14.68 -20.35	210.29 13.61 -51.88	197.78 12.01 -53.76	147.59 9.08 -32.98	95.11 5.83 -18.22	69.16 4.25 -8.96	56.13 3.68 -1.96	46.49 3.32 0.00
LOVETT___5 23593	39.67 2.94 0.00	36.16 2.21 0.00	32.92 1.98 0.00	31.77 1.88 0.00	31.18 1.85 0.00	31.74 1.88 0.00	39.13 2.28 0.00	39.93 2.92 0.00	42.95 3.37 0.00	47.71 3.62 0.00	54.74 4.20 0.00	62.34 4.99 0.00	72.07 5.72 -0.58	85.28 6.78 -1.40	128.11 9.83 -15.93	162.69 13.01 -18.30	184.81 14.68 -20.35	210.29 13.61 -51.88	197.78 12.01 -53.76	147.59 9.08 -32.98	95.11 5.83 -18.22	69.16 4.25 -8.96	56.13 3.68 -1.96	46.49 3.32 0.00
LOWER RAQUET___HYD 24057	33.91 -3.12 -0.31	22.25 -2.51 9.19	21.41 -2.26 7.27	21.09 -2.18 6.61	20.94 -2.20 6.19	20.44 -2.21 7.21	34.66 -2.43 -0.25	34.45 -2.74 -0.18	36.77 -3.17 -0.35	40.87 -3.61 -0.40	46.97 -3.99 -0.42	28.37 -4.99 24.00	30.33 -5.85 29.58	37.67 -6.79 32.64	25.72 -8.70 67.94	28.41 -10.90 92.08	99.35 -12.28 38.15	114.73 -11.87 18.20	122.40 -11.09 -1.48	97.93 -8.87 -1.25	66.10 -5.90 -0.94	51.93 -4.64 -0.63	46.71 -4.24 -0.47	39.73 -3.84 -0.41
LOWER___HUDSON 24059	38.90 2.17 0.00	35.75 1.80 0.00	32.61 1.67 0.00	31.50 1.61 0.00	30.92 1.58 0.00	31.44 1.58 0.00	38.76 1.91 0.00	39.15 2.15 0.00	41.73 2.14 0.00	46.51 2.42 0.00	53.27 2.73 0.00	60.62 3.27 0.00	74.70 3.95 -4.99	93.57 4.55 -11.93	198.09 6.35 -89.38	245.38 8.15 -105.84	271.33 9.29 -112.25	462.71 8.98 -308.93	633.50 8.19 -493.31	424.13 6.44 -312.15	249.44 4.34 -174.04	160.50 3.36 -101.19	72.72 2.93 -19.32	45.76 2.59 0.00
LOWVILLE_115KV_TB2 356335	37.11 -0.33 -0.71	31.40 -0.37 2.18	28.71 -0.40 1.83	27.52 -0.66 1.71	27.22 -0.50 1.62	27.48 -0.51 1.88	37.34 -0.26 -0.74	37.32 -0.11 -0.42	39.93 -0.48 -0.81	44.30 -0.71 -0.91	50.72 -0.96 -1.14	50.64 -1.32 5.39	57.95 -1.45 6.37	117.23 -1.77 -41.91	187.47 -2.25 -87.37	238.90 -2.89 -110.41	250.31 -2.70 -103.22	226.13 -2.03 -83.35	134.49 -0.92 -3.40	108.42 0.00 -2.88	73.93 0.71 -2.16	58.07 0.67 -1.44	51.77 0.20 -1.09	44.02 -0.09 -0.94
LUTHERFT_115KV_GLOB_FND_222 355753	39.48 2.75 0.00	36.26 2.31 0.00	33.01 2.07 0.00	31.85 1.97 0.00	31.27 1.94 0.00	31.83 1.97 0.00	39.32 2.47 0.00	39.60 2.59 0.00	42.32 2.73 0.00	47.31 3.22 0.00	54.13 3.59 0.00	61.71 4.36 0.00	73.90 5.13 -3.01	90.15 5.86 -7.20	187.26 7.98 -76.92	230.09 9.99 -88.72	259.38 11.53 -98.07	453.71 11.58 -297.33	642.75 10.96 -499.78	436.09 8.76 -321.79	262.66 5.97 -185.64	172.90 4.76 -112.19	77.32 4.04 -22.80	46.45 3.28 0.00

LUTHERNY_35_KV_BK2 355980	39.48 2.75 0.00	36.30 2.34 0.00	33.04 2.10 0.00	31.88 2.00 0.00	31.30 1.97 0.00	31.86 2.00 0.00	39.32 2.47 0.00	39.60 2.59 0.00	42.36 2.77 0.00	47.35 3.26 0.00	54.13 3.59 0.00	61.77 4.42 0.00	73.97 5.20 -3.01	90.23 5.94 -7.20	187.36 8.09 -76.92	230.22 10.12 -88.72	259.68 11.83 -98.07	454.00 11.87 -297.33	643.01 11.22 -499.78	436.20 8.87 -321.79	262.73 6.04 -185.64	172.95 4.81 -112.19	77.37 4.09 -22.80	46.49 3.32 0.00
LWR___OSWEGATCHIE_HYD 23850	35.17 -2.17 -0.61	26.10 -1.90 5.96	24.43 -1.73 4.77	23.72 -1.79 4.37	23.53 -1.70 4.11	23.38 -1.70 4.78	35.68 -1.77 -0.60	35.52 -1.85 -0.36	38.03 -2.26 -0.70	42.23 -2.65 -0.78	48.35 -3.13 -0.94	38.22 -3.79 15.35	42.73 -4.27 18.76	37.56 -5.09 34.45	21.85 -6.65 73.86	25.19 -8.28 97.92	85.22 -9.14 55.43	100.98 -8.54 35.27	127.54 -7.39 -2.93	102.53 -5.49 -2.48	69.65 -3.27 -1.86	54.62 -2.57 -1.24	48.84 -2.57 -0.94	41.51 -2.46 -0.81
LYONS_FALL_HYD 23570	37.50 0.26 -0.52	32.68 0.14 1.41	29.81 0.06 1.19	28.68 -0.09 1.12	28.30 0.03 1.06	28.69 0.06 1.23	37.76 0.37 -0.54	37.83 0.52 -0.31	40.50 0.32 -0.59	45.02 0.27 -0.67	51.58 0.20 -0.83	53.90 0.00 3.46	61.82 0.07 4.01	75.08 0.08 2.10	96.52 0.10 5.94	123.03 0.13 8.49	150.64 0.60 -0.26	148.17 1.02 -2.35	136.08 1.59 -2.48	109.33 1.68 -2.11	74.20 1.56 -1.58	58.46 1.45 -1.05	52.23 0.96 -0.80	44.46 0.60 -0.68
MADISON___COUNTY_LFGE 323628	38.56 1.29 -0.54	34.82 1.02 0.15	31.57 0.84 0.20	30.44 0.78 0.22	30.01 0.91 0.23	30.56 0.96 0.26	38.80 1.36 -0.59	38.92 1.59 -0.32	41.76 1.54 -0.62	46.55 1.76 -0.70	53.40 1.97 -0.89	58.94 1.72 0.13	67.99 2.10 -0.12	85.49 2.54 -5.85	116.06 3.17 -10.53	148.72 4.07 -13.27	168.19 5.09 -13.31	160.99 5.21 -10.98	139.90 5.28 -2.61	112.19 4.43 -2.21	75.77 3.06 -1.66	60.03 2.97 -1.11	53.69 2.37 -0.84	45.75 1.86 -0.72
MALONE___115KV_TB1 356076	34.75 -1.98 0.00	29.40 -1.49 3.06	27.18 -1.36 2.40	26.42 -1.28 2.18	25.95 -1.35 2.03	26.15 -1.34 2.37	35.42 -1.40 0.03	35.31 -1.70 0.00	37.65 -1.94 0.00	42.02 -2.07 0.00	48.09 -2.43 0.03	45.82 -3.50 8.03	49.85 -4.21 11.70	59.14 -4.86 13.10	69.10 -6.24 27.01	87.38 -7.75 36.25	123.26 -8.84 17.69	126.24 -8.54 10.02	123.56 -8.45 0.00	98.89 -6.65 0.00	66.51 -4.55 0.00	52.31 -3.64 0.00	47.60 -2.88 0.00	40.32 -2.85 0.00
MAPLEWOD_115KV_TB3 80458	38.75 2.02 0.00	35.65 1.70 0.00	32.52 1.58 0.00	31.41 1.52 0.00	30.80 1.47 0.00	31.36 1.49 0.00	38.62 1.77 0.00	38.97 1.96 0.00	41.65 2.06 0.00	46.38 2.29 0.00	53.12 2.58 0.00	60.28 2.93 0.00	74.59 3.42 -5.41	94.12 4.09 -12.94	194.67 5.83 -86.48	242.23 7.36 -103.49	266.11 8.39 -107.94	435.59 8.11 -282.68	573.21 7.26 -433.94	382.78 5.59 -271.65	223.02 3.62 -148.34	143.07 2.85 -84.26	68.46 2.62 -15.36	45.63 2.46 0.00
MAPLE_RIDGE_WT_1 323574	36.10 -0.62 0.00	33.65 -0.54 -0.24	30.67 -0.46 -0.19	29.58 -0.48 -0.17	29.00 -0.50 -0.16	29.57 -0.48 -0.19	36.30 -0.55 0.00	36.42 -0.59 0.00	38.95 -0.63 0.00	43.38 -0.71 0.00	49.74 -0.81 0.00	56.96 -1.03 -0.64	66.41 -1.25 -1.90	75.99 -1.70 -0.59	101.19 -2.35 -1.18	129.88 -3.15 -1.65	146.57 -3.60 -0.38	141.32 -3.48 0.00	128.71 -3.30 0.00	102.80 -2.74 0.00	69.14 -1.92 0.00	54.61 -1.34 0.00	49.32 -1.16 0.00	42.13 -1.04 0.00
MAPLE_RIDGE_WT_2 323611	36.10 -0.62 0.00	33.65 -0.54 -0.24	30.67 -0.46 -0.19	29.58 -0.48 -0.17	29.00 -0.50 -0.16	29.57 -0.48 -0.19	36.30 -0.55 0.00	36.42 -0.59 0.00	38.95 -0.63 0.00	43.38 -0.71 0.00	49.74 -0.81 0.00	56.96 -1.03 -0.64	66.41 -1.25 -1.90	75.99 -1.70 -0.59	101.19 -2.35 -1.18	129.88 -3.15 -1.65	146.57 -3.60 -0.38	141.32 -3.48 0.00	128.71 -3.30 0.00	102.80 -2.74 0.00	69.14 -1.92 0.00	54.61 -1.34 0.00	49.32 -1.16 0.00	42.13 -1.04 0.00
MARBLE_RIVER_WT_PWR 323696	35.11 -1.62 0.00	32.77 -1.19 0.00	29.86 -1.08 0.00	28.87 -1.02 0.00	28.25 -1.08 0.00	28.79 -1.07 0.00	35.67 -1.18 0.00	35.49 -1.52 0.00	37.93 -1.66 0.00	42.42 -1.68 0.00	48.83 -1.72 0.00	54.14 -3.21 0.00	58.87 -4.27 2.63	69.08 -4.94 3.08	89.36 -6.45 6.56	114.85 -8.15 8.39	133.64 -9.14 7.00	130.39 -8.98 5.43	123.29 -8.72 0.00	98.57 -6.97 0.00	66.16 -4.90 0.00	52.43 -3.52 0.00	47.96 -2.52 0.00	40.58 -2.59 0.00
MARSHVLE_115KV_TB1 80742	40.40 3.67 0.00	37.18 3.23 0.00	33.75 2.82 0.00	32.57 2.69 0.00	32.06 2.73 0.00	32.70 2.84 0.00	40.31 3.46 0.00	40.27 3.26 0.00	42.72 3.13 0.00	47.57 3.48 0.00	54.49 3.94 0.00	62.46 5.10 0.00	73.12 5.98 -1.37	87.38 7.02 -3.27	168.27 9.31 -56.60	206.53 11.43 -63.71	235.19 12.28 -73.13	397.32 14.05 -238.47	558.83 14.78 -412.04	386.32 12.56 -268.22	237.58 8.46 -158.06	160.36 6.71 -97.69	77.04 6.01 -20.55	47.66 4.49 0.00
MARSH_HILL_WT_PWR 323713	38.03 0.92 -0.38	34.43 0.20 -0.27	31.15 0.06 -0.15	30.05 0.06 -0.11	29.54 0.12 -0.09	30.24 0.27 -0.11	37.04 -0.22 -0.41	37.20 -0.04 -0.23	40.42 0.40 -0.44	45.33 0.75 -0.49	52.03 0.86 -0.62	58.88 0.63 -0.89	66.91 -0.07 -1.22	77.65 -1.08 -1.63	103.18 -3.48 -4.30	131.24 -5.26 -5.11	151.31 -3.74 -5.26	152.86 -0.72 -8.79	135.97 1.59 -2.37	110.05 2.95 -1.55	74.43 2.21 -1.16	58.74 2.01 -0.78	52.58 1.51 -0.59	44.93 1.25 -0.51
MCINTYRE_115KV_TB2 80467	34.53 -2.20 0.00	21.76 -1.63 10.57	21.15 -1.49 8.30	20.99 -1.37 7.52	20.95 -1.35 7.03	20.32 -1.34 8.19	35.46 -1.29 0.10	35.34 -1.67 0.00	37.45 -2.14 0.00	41.58 -2.51 0.00	47.57 -2.88 0.10	25.87 -3.73 27.76	27.31 -4.27 34.18	37.13 -4.93 35.03	24.62 -6.24 71.50	26.31 -7.75 97.33	103.59 -8.39 37.80	120.31 -7.96 16.53	124.48 -7.52 0.00	99.74 -5.80 0.00	67.36 -3.70 0.00	52.93 -3.02 0.00	47.60 -2.88 0.00	40.45 -2.72 0.00
MECO_____69_KV_BK1 80468	42.24 5.51 0.00	38.81 4.86 0.00	35.15 4.21 0.00	33.89 4.00 0.00	33.32 3.99 0.00	34.07 4.21 0.00	42.27 5.42 0.00	42.71 5.70 0.00	45.69 6.10 0.00	51.23 7.14 0.00	58.94 8.39 0.00	67.33 9.98 0.00	79.05 11.84 -1.45	93.98 13.41 -3.47	179.90 17.61 -59.94	220.16 21.28 -67.49	251.79 24.56 -77.45	423.69 26.06 -252.82	595.13 25.21 -437.90	410.69 20.05 -285.09	252.35 13.29 -168.01	170.49 10.69 -103.85	81.41 9.09 -21.85	49.90 6.73 0.00
MENANDS___115KV_TB5 355628	38.53 1.80 0.00	35.45 1.49 0.00	32.33 1.39 0.00	31.23 1.34 0.00	30.65 1.32 0.00	31.18 1.31 0.00	38.43 1.58 0.00	38.75 1.74 0.00	41.37 1.78 0.00	46.12 2.03 0.00	52.82 2.27 0.00	59.88 2.52 0.00	73.34 2.96 -4.62	91.61 3.47 -11.04	185.32 5.02 -77.95	230.62 6.44 -92.80	254.71 7.34 -97.59	411.46 6.81 -259.85	537.90 5.94 -399.95	361.34 4.54 -251.26	212.38 2.98 -138.34	137.83 2.29 -79.59	67.38 2.17 -14.73	45.37 2.20 0.00
MG INDUSTRY___DRP 24185	38.31 1.58 0.00	35.31 1.36 0.00	32.24 1.30 0.00	31.14 1.26 0.00	30.57 1.23 0.00	31.06 1.19 0.00	38.29 1.44 0.00	38.49 1.48 0.00	40.97 1.39 0.00	45.55 1.45 0.00	52.11 1.57 0.00	59.07 1.72 0.00	60.26 0.66 6.16	63.05 0.69 14.74	70.64 1.33 33.04	86.12 1.84 47.10	115.47 2.25 36.56	122.16 2.32 24.95	123.35 2.11 10.77	115.27 1.58 -8.15	95.01 1.07 -22.89	84.76 0.84 -27.97	61.68 2.17 -9.03	45.24 2.07 0.00

MID___OSWEGATCHIE_HYD 23849	35.17 -2.17 -0.61	26.10 -1.90 5.96	24.43 -1.73 4.77	23.72 -1.79 4.37	23.53 -1.70 4.11	23.38 -1.70 4.78	35.68 -1.77 -0.60	35.52 -1.85 -0.36	38.03 -2.26 -0.70	42.23 -2.65 -0.78	48.35 -3.13 -0.94	38.22 -3.79 15.35	42.73 -4.27 18.76	37.56 -5.09 34.45	21.85 -6.65 73.86	25.19 -8.28 97.92	85.22 -9.14 55.43	100.98 -8.54 35.27	127.54 -7.39 -2.93	102.53 -5.49 -2.48	69.65 -3.27 -1.86	54.62 -2.57 -1.24	48.84 -2.57 -0.94	41.51 -2.46 -0.81
MID___RAQUETTE_HYD 23851	33.91 -3.12 -0.31	22.25 -2.51 9.19	21.41 -2.26 7.27	21.09 -2.18 6.61	20.94 -2.20 6.19	20.44 -2.21 7.21	34.67 -2.43 -0.25	34.45 -2.74 -0.18	36.77 -3.17 -0.35	40.87 -3.62 -0.40	46.82 -4.14 -0.42	28.31 -5.05 24.00	30.33 -5.85 29.58	37.67 -6.78 32.64	25.72 -8.70 67.94	28.40 -10.91 92.08	99.35 -12.28 38.15	114.72 -11.87 18.20	122.40 -11.09 -1.48	97.93 -8.87 -1.25	66.17 -5.83 -0.94	51.88 -4.70 -0.63	46.71 -4.24 -0.47	39.73 -3.84 -0.41
MILLIKEN___1 23584	39.18 1.32 -1.13	35.70 0.95 -0.79	32.16 0.77 -0.45	30.92 0.72 -0.32	30.36 0.76 -0.26	31.05 0.87 -0.32	39.11 1.03 -1.22	38.94 1.26 -0.67	42.23 1.35 -1.29	47.13 1.59 -1.45	54.21 1.82 -1.85	62.05 2.06 -2.63	71.73 2.37 -3.60	84.71 2.78 -4.84	113.76 3.07 -8.34	145.45 3.68 -10.39	164.20 4.64 -9.78	164.68 5.36 -14.53	153.53 5.68 -15.85	121.89 5.07 -11.29	82.10 3.55 -7.49	63.60 2.80 -4.85	55.10 2.32 -2.30	46.43 1.77 -1.50
MILLIKEN___2 23585	39.18 1.32 -1.13	35.70 0.95 -0.79	32.16 0.77 -0.45	30.92 0.72 -0.32	30.36 0.76 -0.26	31.05 0.87 -0.32	39.11 1.03 -1.22	38.94 1.26 -0.67	42.23 1.35 -1.29	47.13 1.59 -1.45	54.21 1.82 -1.85	62.05 2.06 -2.63	71.73 2.37 -3.60	84.71 2.78 -4.84	113.76 3.07 -8.34	145.45 3.68 -10.39	164.20 4.64 -9.78	164.68 5.36 -14.53	153.53 5.68 -15.85	121.89 5.07 -11.29	82.10 3.55 -7.49	63.60 2.80 -4.85	55.10 2.32 -2.30	46.43 1.77 -1.50
MILLIKEN___DIESEL 23629	39.18 1.32 -1.13	35.70 0.95 -0.79	32.16 0.77 -0.45	30.92 0.72 -0.32	30.36 0.76 -0.26	31.05 0.87 -0.32	39.11 1.03 -1.22	38.94 1.26 -0.67	42.23 1.35 -1.29	47.13 1.59 -1.45	54.21 1.82 -1.85	62.05 2.06 -2.63	71.73 2.37 -3.60	84.71 2.78 -4.84	113.76 3.07 -8.34	145.45 3.68 -10.39	164.20 4.64 -9.78	164.68 5.36 -14.53	153.53 5.68 -15.85	121.89 5.07 -11.29	82.10 3.55 -7.49	63.60 2.80 -4.85	55.10 2.32 -2.30	46.43 1.77 -1.50
MILLSEAT___LFGE 323607	37.28 0.55 0.00	33.89 -0.07 0.00	30.66 -0.28 0.00	29.64 -0.24 0.00	29.13 -0.20 0.00	29.89 0.03 0.00	36.19 -0.66 0.00	36.45 -0.55 0.00	39.59 0.00 0.00	44.18 0.09 0.00	50.49 -0.05 0.00	56.21 -1.15 0.00	64.65 -1.12 0.00	76.02 -1.08 0.00	100.09 -3.79 -1.52	126.33 -6.70 -1.64	144.15 -7.63 -2.00	143.10 -6.37 -4.66	128.53 -3.83 -0.35	104.69 -0.85 0.00	70.63 -0.42 0.00	56.96 1.01 0.00	51.49 1.01 0.00	44.38 1.21 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	39.89 3.16 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.91 2.03 0.00	31.33 1.99 0.00	31.86 2.00 0.00	39.35 2.51 0.00	40.15 3.15 0.00	43.19 3.60 0.00	47.93 3.84 0.00	54.94 4.40 0.00	62.63 5.28 0.00	72.39 5.98 -0.64	85.80 7.17 -1.53	129.55 10.34 -16.86	164.59 13.80 -19.41	186.73 15.43 -21.52	213.77 14.34 -54.64	201.59 12.67 -56.91	150.01 9.60 -34.87	96.44 6.18 -19.20	70.51 4.48 -10.08	56.51 3.99 -2.05	46.71 3.54 0.00
MILLWOOD_13_KV_LOAD 356217	40.03 3.31 0.00	36.47 2.51 0.00	33.20 2.26 0.00	32.00 2.12 0.00	31.42 2.08 0.00	31.95 2.09 0.00	39.47 2.62 0.00	40.30 3.29 0.00	43.35 3.76 0.00	48.10 4.01 0.00	55.20 4.65 0.00	62.97 5.62 0.00	72.85 6.44 -0.64	86.26 7.63 -1.53	130.27 11.05 -16.86	165.51 14.72 -19.41	187.78 16.48 -21.52	214.78 15.35 -54.64	202.65 13.73 -56.91	150.75 10.34 -34.87	96.87 6.61 -19.20	70.90 4.87 -10.08	56.76 4.24 -2.05	46.92 3.76 0.00
MODEL_CITY_ENERGY 24167	36.25 -0.48 0.00	33.00 -0.95 0.00	29.86 -1.08 0.00	28.93 -0.96 0.00	28.43 -0.91 0.00	29.18 -0.69 0.00	35.12 -1.73 0.00	35.20 -1.81 0.00	38.28 -1.31 0.00	42.77 -1.32 0.00	48.93 -1.62 0.00	54.95 -2.41 0.00	63.13 -2.63 0.00	74.17 -2.93 0.00	97.42 -6.55 -1.61	122.75 -10.38 -1.74	139.92 -11.99 -2.13	138.75 -11.01 -4.96	124.47 -7.92 -0.38	101.64 -3.90 0.00	68.71 -2.34 0.00	55.05 -0.90 0.00	49.97 -0.50 0.00	43.17 0.00 0.00
MODERN_LFGE___ 323580	36.25 -0.48 0.00	33.00 -0.95 0.00	29.86 -1.08 0.00	28.93 -0.96 0.00	28.43 -0.91 0.00	29.18 -0.69 0.00	35.12 -1.73 0.00	35.20 -1.81 0.00	38.28 -1.31 0.00	42.77 -1.32 0.00	48.93 -1.62 0.00	54.95 -2.41 0.00	63.13 -2.63 0.00	74.17 -2.93 0.00	97.42 -6.55 -1.61	122.75 -10.38 -1.74	139.92 -11.99 -2.13	138.75 -11.01 -4.96	124.47 -7.92 -0.38	101.64 -3.90 0.00	68.71 -2.34 0.00	55.05 -0.90 0.00	49.97 -0.50 0.00	43.17 0.00 0.00
MOHAWK_PAPER___DRP 24187	38.75 2.02 0.00	35.65 1.70 0.00	32.52 1.58 0.00	31.41 1.52 0.00	30.80 1.47 0.00	31.36 1.49 0.00	38.62 1.77 0.00	38.97 1.96 0.00	41.65 2.06 0.00	46.38 2.29 0.00	53.12 2.58 0.00	60.28 2.93 0.00	74.59 3.42 -5.41	94.12 4.09 -12.94	194.67 5.83 -86.48	242.23 7.36 -103.49	266.11 8.39 -107.94	435.59 8.11 -282.68	573.21 7.26 -433.94	382.78 5.59 -271.65	223.02 3.62 -148.34	143.07 2.85 -84.26	68.46 2.62 -15.36	45.63 2.46 0.00
MOHICAN___35_KV_115KV_LD 80490	39.70 2.98 0.00	36.47 2.51 0.00	33.14 2.20 0.00	31.97 2.09 0.00	31.39 2.05 0.00	31.98 2.12 0.00	39.50 2.65 0.00	39.82 2.81 0.00	42.64 3.05 0.00	47.75 3.66 0.00	54.44 3.89 0.00	62.11 4.76 0.00	74.33 5.66 -2.91	90.30 6.24 -6.96	187.12 8.50 -76.26	229.72 10.51 -87.83	259.38 12.28 -97.32	454.02 12.60 -296.63	644.55 12.67 -499.87	437.79 10.13 -322.12	264.22 7.03 -186.13	174.23 5.60 -112.68	78.14 4.69 -22.96	46.75 3.58 0.00
MONGAUP___HYD 23641	39.70 2.97 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.78 1.91 0.00	39.24 2.39 0.00	39.79 2.78 0.00	42.68 3.09 0.00	47.35 3.26 0.00	54.08 3.54 0.00	61.20 3.84 0.00	70.33 4.08 -0.49	83.28 5.01 -1.17	123.82 7.16 -14.31	156.29 8.54 -16.37	178.43 10.33 -18.32	202.25 10.43 -47.02	190.00 9.63 -48.36	142.65 7.39 -29.72	93.20 5.61 -16.53	68.49 4.25 -8.29	56.38 4.09 -1.82	46.66 3.50 0.00
MONTAUK___DIESEL 23721	56.58 5.66 -14.20	54.15 4.69 -15.51	45.68 4.11 -10.63	42.77 3.91 -8.98	41.43 3.73 -8.37	41.92 3.82 -8.23	44.41 4.79 -2.77	47.16 5.70 -4.45	49.92 6.85 -3.49	52.47 6.61 -1.76	69.49 7.99 -10.96	140.66 9.75 -73.56	157.05 12.23 -79.06	269.07 14.19 -177.79	246.96 17.91 -126.69	280.10 22.73 -125.99	285.22 25.31 -110.13	350.59 23.75 -182.04	303.35 21.12 -150.22	263.53 16.57 -141.42	242.09 10.09 -160.95	214.22 8.78 -149.49	73.60 7.27 -15.85	58.99 6.13 -9.69
MOONROAD_115KV_HARTFLD_TB1-2 355988	38.12 1.40 0.00	34.53 0.58 0.00	31.22 0.28 0.00	30.06 0.18 0.00	29.69 0.35 0.00	30.49 0.63 0.00	36.89 0.04 0.00	37.53 0.52 0.00	40.70 1.11 0.00	45.55 1.45 0.00	52.42 1.87 0.00	59.19 1.84 0.00	68.00 2.24 0.00	80.03 2.93 0.00	105.40 1.13 -1.92	132.93 -0.53 -2.07	151.41 -0.90 -2.53	150.11 -0.58 -5.89	134.17 1.72 -0.45	109.02 3.48 0.00	73.54 2.49 0.00	58.69 2.74 0.00	53.00 2.52 0.00	45.50 2.33 0.00

MORTIMER_115KV_TB3 55949	37.21 0.48 0.00	33.96 0.00 0.00	30.78 -0.15 0.00	29.64 -0.24 0.00	29.19 -0.15 0.00	29.89 0.03 0.00	36.44 -0.41 0.00	36.82 -0.19 0.00	39.75 0.16 0.00	44.36 0.26 0.00	50.80 0.25 0.00	57.58 0.23 0.00	65.96 0.20 0.00	77.48 0.39 0.00	101.33 -1.02 0.00	129.02 -2.36 0.00	147.24 -2.55 0.00	143.06 -1.74 0.00	131.35 -0.66 0.00	106.39 0.84 0.00	71.63 0.57 0.00	56.96 1.01 0.00	51.39 0.91 0.00	44.03 0.86 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	40.33 3.60 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.56 2.23 0.00	32.10 2.24 0.00	39.72 2.87 0.00	40.67 3.66 0.00	43.73 4.16 0.01	48.50 4.41 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.92 6.51 -0.65	86.36 7.71 -1.55	130.74 11.36 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.06 10.34 -35.18	97.03 6.61 -19.37	70.92 4.81 -10.16	56.93 4.39 -2.06	47.18 4.01 0.00
MUNSVILLE_WIND_PWR 323609	40.75 3.31 -0.71	37.17 2.72 -0.50	33.48 2.26 -0.28	32.30 2.21 -0.20	31.99 2.49 -0.16	32.64 2.57 -0.20	41.31 3.68 -0.77	41.54 4.11 -0.43	44.36 4.32 -0.82	49.33 4.85 -0.92	56.57 5.27 -1.17	64.29 6.31 -1.66	74.35 7.56 -2.27	87.71 9.22 -3.05	120.16 11.95 -8.58	153.49 14.83 -10.15	175.17 15.50 -10.56	183.31 15.44 -23.01	175.99 15.44 -28.54	137.80 13.08 -19.17	92.09 9.03 -12.00	70.71 7.11 -7.65	58.59 5.65 -2.46	48.56 4.45 -0.94
N SALMON___HYD 24042	34.74 -1.98 0.00	29.40 -1.49 3.06	27.18 -1.36 2.40	26.42 -1.28 2.18	25.95 -1.35 2.03	26.15 -1.34 2.37	35.42 -1.40 0.03	35.27 -1.74 0.00	37.65 -1.94 0.00	42.02 -2.07 0.00	48.35 -2.17 0.03	45.99 -3.33 8.03	49.85 -4.21 11.70	59.14 -4.85 13.10	69.10 -6.25 27.01	87.38 -7.75 36.25	123.26 -8.84 17.69	126.24 -8.54 10.02	123.56 -8.45 0.00	98.90 -6.65 0.00	66.44 -4.62 0.00	52.43 -3.52 0.00	47.60 -2.88 0.00	40.32 -2.85 0.00
N.AKRON___115KV_KNAPP 355671	37.35 0.62 0.00	33.92 -0.03 0.00	30.72 -0.22 0.00	29.55 -0.33 0.00	29.16 -0.18 0.00	29.92 0.06 0.00	36.15 -0.70 0.00	36.53 -0.48 0.00	39.59 0.00 0.00	44.18 0.09 0.00	50.49 -0.05 0.00	56.61 -0.75 0.00	64.84 -0.92 0.00	76.17 -0.93 0.00	100.31 -3.58 -1.53	126.60 -6.44 -1.66	144.46 -7.34 -2.02	143.28 -6.23 -4.70	128.67 -3.70 -0.36	104.80 -0.74 0.00	70.70 -0.36 0.00	57.01 1.06 0.00	51.59 1.11 0.00	44.38 1.21 0.00
N.BELMOR_69_KV_BK1 55787	55.03 4.11 -14.19	52.69 3.23 -15.51	44.48 2.91 -10.63	41.61 2.75 -8.98	40.41 2.70 -8.37	40.84 2.75 -8.23	43.05 3.43 -2.77	45.61 4.14 -4.45	47.75 4.67 -3.49	50.88 5.03 -1.76	56.16 5.61 0.00	85.00 6.71 -20.93	88.30 7.63 -14.91	133.19 9.17 -46.92	187.44 13.20 -71.88	275.17 17.47 -126.31	340.66 19.62 -171.25	388.85 18.53 -225.52	319.10 16.50 -170.59	240.74 12.66 -122.53	98.37 7.96 -19.36	75.74 6.10 -13.69	62.23 5.35 -6.40	53.77 4.79 -5.81
N.E_GEN_SANDY PD 24062	42.69 2.42 -3.54	38.31 1.93 -2.42	40.00 1.79 -7.27	39.90 1.70 -8.31	36.01 1.67 -5.00	39.30 1.70 -7.74	37.96 2.06 0.95	39.41 2.40 0.00	42.04 2.46 0.00	45.19 2.65 1.54	55.07 2.98 -1.54	60.97 3.62 0.00	76.01 4.27 -5.97	134.02 5.09 -51.84	168.15 7.27 -58.53	205.90 9.59 -64.93	238.15 10.79 -77.58	300.00 10.13 -145.07	307.73 8.85 -166.88	230.42 6.86 -118.02	171.03 4.48 -95.49	105.31 3.30 -46.06	56.91 2.93 -3.50	51.36 2.77 -5.43
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	39.78 3.05 0.00	36.23 2.27 0.00	33.01 2.07 0.00	31.82 1.94 0.00	31.24 1.91 0.00	31.80 1.94 0.00	39.21 2.36 0.00	40.01 3.00 0.00	43.07 3.48 0.00	47.84 3.75 0.00	54.94 4.40 0.00	62.63 5.28 0.00	72.33 5.98 -0.58	85.65 7.17 -1.39	128.56 10.34 -15.87	163.27 13.66 -18.22	185.48 15.43 -20.28	210.83 14.34 -51.70	198.24 12.67 -53.56	148.00 9.60 -32.86	95.33 6.11 -18.16	69.36 4.48 -8.93	56.32 3.89 -1.96	46.62 3.45 0.00
N.QUEENS_27_KV_LOAD 356247	40.37 3.64 -0.01	36.98 3.02 -0.01	33.61 2.66 -0.01	32.40 2.51 -0.01	31.81 2.46 -0.01	32.19 2.33 0.00	39.69 2.84 0.00	40.75 3.74 0.00	43.96 4.35 -0.02	48.37 4.28 0.00	55.19 4.65 0.01	62.79 5.45 0.01	72.45 6.05 -0.64	85.89 7.25 -1.54	130.22 10.85 -17.02	165.70 14.72 -19.60	187.98 16.48 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.74 10.03 -35.17	96.88 6.47 -19.36	70.92 4.81 -10.15	56.98 4.44 -2.06	47.49 4.32 -0.01
N.TROY___115KV_TB1 355778	38.90 2.17 0.00	35.75 1.80 0.00	32.61 1.67 0.00	31.50 1.61 0.00	30.92 1.58 0.00	31.45 1.58 0.00	38.77 1.92 0.00	39.08 2.07 0.00	41.73 2.14 0.00	46.52 2.42 0.00	53.33 2.78 0.00	60.62 3.27 0.00	74.70 3.95 -4.99	93.57 4.55 -11.93	198.09 6.35 -89.38	245.38 8.15 -105.84	271.32 9.29 -112.25	462.85 9.12 -308.93	633.50 8.18 -493.31	424.13 6.44 -312.15	249.37 4.26 -174.04	160.50 3.36 -101.19	72.72 2.93 -19.32	45.76 2.59 0.00
NARROWS_GT1_1 24228	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
NARROWS_GT1_2 24229	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
NARROWS_GT1_3 24230	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
NARROWS_GT1_4 24231	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
NARROWS_GT1_5 24232	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00

NARROWS_GT1_6 24233	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
NARROWS_GT1_7 24234	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
NARROWS_GT1_8 24235	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	75.83 5.04 -14.84	75.30 4.70 -20.13	47.62 4.45 0.00
NARROWS_GT2_1 24236	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NARROWS_GT2_2 24237	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NARROWS_GT2_3 24238	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NARROWS_GT2_4 24239	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NARROWS_GT2_5 24240	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NARROWS_GT2_6 24241	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NARROWS_GT2_7 24242	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NARROWS_GT2_8 24243	83.74 4.08 -42.93	37.08 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.89 2.55 -0.01	32.37 2.51 0.00	40.05 3.20 0.00	41.04 4.03 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.55 5.01 0.00	80.06 6.20 -16.51	75.86 6.90 -3.19	86.74 8.09 -1.55	131.04 11.66 -17.02	165.82 14.84 -19.60	188.12 16.62 -21.72	215.42 15.50 -55.12	202.90 13.47 -57.42	150.75 10.03 -35.17	96.88 6.47 -19.36	76.11 5.04 -15.12	76.11 4.70 -20.94	47.62 4.45 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	39.15 2.42 0.00	36.13 2.17 0.00	32.92 1.98 0.00	31.80 1.91 0.00	31.21 1.88 0.00	31.74 1.88 0.00	39.24 2.40 0.00	39.34 2.33 0.00	41.69 2.10 0.00	46.43 2.34 0.00	53.07 2.53 0.00	59.93 2.58 0.00	62.36 3.03 6.43	65.35 3.62 15.37	70.72 5.42 37.06	86.42 6.96 51.93	116.76 8.54 41.56	116.01 8.98 37.77	110.25 8.58 30.34	108.24 6.75 4.05	91.33 3.98 -16.29	82.94 2.80 -24.19	62.13 3.28 -8.37	46.41 3.24 0.00
NCHELSEA_115KV_TR2 355582	39.78 3.05 0.00	36.23 2.27 0.00	32.98 2.04 0.00	31.82 1.94 0.00	31.24 1.91 0.00	31.77 1.91 0.00	39.28 2.43 0.00	39.97 2.96 0.00	42.95 3.37 0.00	47.79 3.70 0.00	54.84 4.30 0.00	62.52 5.16 0.00	72.23 5.98 -0.48	85.43 7.17 -1.16	128.26 10.24 -15.67	162.89 13.66 -17.84	185.34 15.43 -20.13	211.92 14.62 -52.49	199.47 12.94 -54.52	149.05 9.82 -33.70	96.75 6.75 -18.94	70.66 4.87 -9.84	56.93 4.29 -2.16	46.88 3.71 0.00
NEG CAPITAL___MECHNVIL 23645	39.60 2.87 0.00	36.37 2.41 0.00	33.07 2.13 0.00	31.92 2.03 0.00	31.33 2.00 0.00	31.92 2.06 0.00	39.39 2.54 0.00	39.71 2.70 0.00	42.44 2.85 0.00	47.44 3.35 0.00	54.29 3.74 0.00	61.88 4.53 0.00	74.72 5.39 -3.56	91.85 6.24 -8.51	191.47 8.60 -80.51	235.78 10.78 -93.62	264.39 12.43 -102.18	458.46 12.45 -301.21	642.92 11.62 -499.29	434.70 9.18 -319.98	260.25 6.25 -182.93	170.34 4.92 -109.46	76.57 4.19 -21.90	46.58 3.41 0.00
NEG CENTRAL_HIGH_ACRES 23767	36.58 -0.15 0.00	33.45 -0.51 0.00	30.35 -0.59 0.00	29.29 -0.60 0.00	28.75 -0.59 0.00	29.44 -0.42 0.00	36.04 -0.81 0.00	36.42 -0.59 0.00	39.27 -0.32 0.00	43.87 -0.22 0.00	50.29 -0.25 0.00	56.96 -0.40 0.00	65.44 -0.33 0.00	76.87 -0.23 0.00	100.71 -1.64 0.00	128.37 -3.02 0.00	146.49 -3.30 0.00	142.34 -2.46 0.00	130.69 -1.32 0.00	105.54 0.00 0.00	71.06 0.00 0.00	56.23 0.28 0.00	50.63 0.15 0.00	43.34 0.17 0.00



NEG CENTRAL___DRP 24199	38.61 0.73 -1.15	34.93 0.34 -0.64	31.51 0.25 -0.32	30.27 0.18 -0.21	29.72 0.23 -0.15	30.45 0.39 -0.20	38.35 0.26 -1.25	38.21 0.52 -0.69	41.58 0.67 -1.32	46.50 0.93 -1.48	53.49 1.06 -1.88	60.85 1.26 -2.24	70.30 1.38 -3.15	83.31 1.70 -4.52	108.19 0.61 -5.22	138.57 0.39 -6.79	157.01 0.75 -6.47	152.36 2.32 -5.24	140.58 3.04 -5.53	113.29 3.06 -4.69	76.77 2.20 -3.51	60.14 1.85 -2.35	53.77 1.51 -1.78	45.82 1.12 -1.52
NEG CENTRAL___INDECK 23768	37.39 0.66 0.00	34.02 0.07 0.00	30.82 -0.12 0.00	29.73 -0.15 0.00	29.19 -0.15 0.00	29.95 0.09 0.00	36.59 -0.26 0.00	36.90 -0.11 0.00	39.55 -0.04 0.00	43.92 -0.18 0.00	50.04 -0.51 0.00	56.43 -0.92 0.00	62.15 -3.62 0.00	72.62 -4.47 0.00	96.74 -7.47 -1.86	123.40 -9.99 -2.01	141.74 -10.49 -2.45	142.25 -8.25 -5.70	127.56 -4.88 -0.43	103.96 -1.58 0.00	70.35 -0.71 0.00	55.78 -0.17 0.00	51.89 1.41 0.00	44.33 1.17 0.00
NEG CENTRAL___SENECA 23627	38.29 0.95 -0.61	34.86 0.48 -0.43	31.55 0.37 -0.24	30.36 0.30 -0.17	29.86 0.38 -0.14	30.61 0.57 -0.17	37.88 0.37 -0.66	38.04 0.67 -0.36	41.16 0.87 -0.70	46.02 1.15 -0.78	52.86 1.31 -1.00	60.32 1.55 -1.42	69.35 1.64 -1.94	81.71 2.00 -2.61	105.76 0.20 -3.20	135.33 -0.26 -4.21	153.50 0.15 -3.57	150.03 2.46 -2.77	138.50 3.56 -2.93	111.72 3.69 -2.48	75.62 2.70 -1.86	59.49 2.29 -1.24	53.29 1.87 -0.94	45.40 1.42 -0.81
NEG CENTRAL___STATE_STREET 24147	38.92 0.66 -1.53	35.22 0.37 -0.89	31.65 0.25 -0.46	30.37 0.18 -0.31	29.80 0.23 -0.23	30.52 0.36 -0.30	38.88 0.37 -1.66	38.52 0.59 -0.91	42.02 0.67 -1.76	46.95 0.88 -1.97	54.12 1.06 -2.51	61.83 1.38 -3.10	71.61 1.51 -4.33	85.07 1.85 -6.12	111.37 1.84 -7.17	142.70 1.97 -9.34	161.02 2.55 -8.69	155.11 3.33 -6.98	142.94 3.56 -7.37	115.06 3.27 -6.24	78.01 2.27 -4.68	60.87 1.79 -3.13	54.31 1.46 -2.37	46.24 1.04 -2.03
NEG MILLWOOD___DRP 24198	40.22 3.49 0.00	36.60 2.65 0.00	33.29 2.35 0.00	32.12 2.24 0.00	31.51 2.17 0.00	32.07 2.21 0.00	39.65 2.80 0.00	40.38 3.37 0.00	43.43 3.84 0.00	48.28 4.19 0.00	55.45 4.90 0.00	63.32 5.96 0.00	73.38 7.04 -0.58	86.81 8.33 -1.38	130.85 11.87 -16.62	166.58 16.16 -19.03	188.87 17.82 -21.27	216.41 16.94 -54.67	204.28 15.31 -56.96	152.20 11.61 -35.05	98.08 7.53 -19.49	71.26 5.54 -9.77	57.37 4.75 -2.14	47.23 4.06 0.00
NEG NORTH_FLCN_SEA 23793	35.41 -1.32 0.00	33.00 -0.95 0.00	30.07 -0.87 0.00	29.11 -0.78 0.00	28.45 -0.88 0.00	29.00 -0.87 0.00	36.00 -0.85 0.00	35.82 -1.18 0.00	38.24 -1.35 0.00	42.77 -1.32 0.00	48.52 -2.02 0.00	53.34 -4.01 0.00	57.95 -5.20 2.62	67.91 -6.01 3.17	87.82 -7.78 6.76	112.89 -9.85 8.65	131.48 -11.08 7.22	128.34 -10.86 5.60	121.45 -10.56 0.00	97.10 -8.44 0.00	65.23 -5.83 0.00	51.81 -4.14 0.00	48.41 -2.07 0.00	40.92 -2.24 0.00
NEG NORTH_KES_CHATEGAY 23792	35.04 -1.69 0.00	31.79 -1.26 0.91	29.11 -1.11 0.72	28.19 -1.05 0.65	27.58 -1.14 0.61	28.02 -1.13 0.71	35.62 -1.22 0.01	35.42 -1.59 0.00	37.85 -1.74 0.00	42.24 -1.85 0.00	48.31 -2.22 0.01	51.58 -3.38 2.39	56.29 -4.14 5.33	66.26 -4.78 6.05	83.49 -6.24 12.63	106.85 -7.88 16.66	130.64 -8.99 10.16	129.33 -8.69 6.78	123.69 -8.32 0.00	98.89 -6.65 0.00	66.51 -4.55 0.00	52.37 -3.58 0.00	47.85 -2.62 0.00	40.54 -2.63 0.00
NEG NORTH___ALICE_FALLS 23915	35.33 -1.40 0.00	32.68 -1.02 0.25	29.81 -0.93 0.20	28.84 -0.87 0.18	28.23 -0.94 0.17	28.74 -0.93 0.20	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.68 -1.41 0.00	48.62 -1.92 0.00	53.14 -3.56 0.66	57.85 -4.54 3.37	67.97 -5.24 3.89	87.39 -6.76 8.21	112.33 -8.41 10.65	132.50 -9.44 7.85	129.74 -9.27 5.79	122.90 -9.11 0.00	98.36 -8.44 0.00	66.08 -4.97 0.00	52.26 -3.69 0.00	48.31 -2.17 0.00	40.88 -2.29 0.00
NEG NORTH___LWR_SARANAC 23913	35.33 -1.40 0.00	32.68 -1.02 0.25	29.81 -0.93 0.20	28.84 -0.87 0.18	28.23 -0.94 0.17	28.74 -0.93 0.20	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.68 -1.41 0.00	48.62 -1.92 0.00	53.14 -3.56 0.66	57.85 -4.54 3.37	67.97 -5.24 3.89	87.39 -6.76 8.21	112.33 -8.41 10.65	132.50 -9.44 7.85	129.74 -9.27 5.79	122.90 -9.11 0.00	98.36 -8.44 0.00	66.08 -4.97 0.00	52.26 -3.69 0.00	48.31 -2.17 0.00	40.88 -2.29 0.00
NEG NORTH___PLATTSBURG 23628	35.33 -1.40 0.00	32.69 -1.02 0.25	29.81 -0.93 0.20	28.84 -0.87 0.18	28.23 -0.94 0.17	28.74 -0.93 0.20	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.68 -1.41 0.00	49.23 -1.31 0.00	53.43 -3.27 0.66	57.85 -4.54 3.37	67.96 -5.25 3.89	87.39 -6.76 8.21	112.33 -8.41 10.65	132.50 -9.43 7.85	129.74 -9.27 5.79	122.90 -9.11 0.00	98.36 -7.18 0.00	66.08 -4.98 0.00	52.54 -3.41 0.00	48.31 -2.17 0.00	40.88 -2.29 0.00
NEG WEST_LEA_LOCKPORT 23791	36.47 -0.26 0.00	33.14 -0.81 0.00	30.01 -0.93 0.00	28.90 -0.99 0.00	28.51 -0.82 0.00	29.27 -0.60 0.00	35.23 -1.62 0.00	35.45 -1.55 0.00	38.48 -1.11 0.00	42.99 -1.10 0.00	49.13 -1.42 0.00	55.46 -1.89 0.00	63.46 -2.30 0.00	74.48 -2.62 0.00	97.81 -6.14 -1.59	123.25 -9.85 -1.72	140.50 -11.38 -2.10	139.41 -10.28 -4.89	124.99 -7.39 -0.37	102.06 -3.48 0.00	69.00 -2.06 0.00	55.39 -0.56 0.00	50.33 -0.15 0.00	43.34 0.17 0.00
NEG WEST___LANCASTR 23811	36.95 0.22 0.00	33.51 -0.44 0.00	30.32 -0.62 0.00	29.23 -0.66 0.00	28.87 -0.47 0.00	29.59 -0.27 0.00	35.74 -1.11 0.00	36.19 -0.81 0.00	39.27 -0.32 0.00	43.96 -0.13 0.00	50.60 0.05 0.00	57.18 -0.17 0.00	65.63 -0.13 0.00	77.17 0.08 0.00	101.92 -2.35 -1.91	128.73 -4.73 -2.07	146.92 -5.39 -2.53	145.90 -4.78 -5.88	129.95 -2.51 -0.45	105.54 0.00 0.00	71.13 0.07 0.00	56.79 0.84 0.00	51.24 0.76 0.00	43.99 0.82 0.00
NEG_PENN_ALLEGHNY 23528	38.44 1.03 -0.68	35.08 0.64 -0.48	31.74 0.53 -0.27	30.59 0.51 -0.20	30.05 0.56 -0.16	30.69 0.63 -0.20	38.18 0.59 -0.74	38.30 0.89 -0.41	41.48 1.11 -0.78	46.29 1.32 -0.88	53.23 1.57 -1.12	60.78 1.83 -1.59	70.11 2.17 -2.18	82.65 2.62 -2.93	112.45 2.66 -7.43	143.28 3.02 -8.87	162.44 3.59 -9.07	166.49 3.62 -18.07	155.76 4.10 -19.66	122.62 3.79 -13.28	82.12 2.63 -8.43	63.52 2.18 -5.39	54.28 1.87 -1.93	45.54 1.47 -0.91
NEG___GEN_MONROE 24207	37.35 0.62 0.00	34.06 0.10 0.00	30.85 -0.09 0.00	29.67 -0.21 0.00	29.22 -0.12 0.00	29.98 0.12 0.00	36.55 -0.29 0.00	36.86 -0.15 0.00	39.83 0.24 0.00	44.44 0.35 0.00	50.80 0.25 0.00	57.47 0.11 0.00	65.76 0.00 0.00	77.33 0.23 0.00	101.13 -1.23 0.00	128.76 -2.63 0.00	146.49 -3.30 0.00	142.48 -2.32 0.00	131.22 -0.79 0.00	106.49 0.95 0.00	71.77 0.71 0.00	57.29 1.34 0.00	51.69 1.21 0.00	44.42 1.25 0.00
NEPA___ENERGY 23901	37.43 0.70 0.00	33.99 0.03 0.00	30.75 -0.19 0.00	29.61 -0.27 0.00	29.28 -0.06 0.00	29.98 0.12 0.00	36.19 -0.66 0.00	36.75 -0.26 0.00	39.95 0.36 0.00	44.75 0.66 0.00	51.51 0.96 0.00	58.21 0.86 0.00	66.82 1.05 0.00	78.48 1.39 -1.94	103.58 -0.72 -2.09	130.98 -2.50 -2.56	149.49 -2.85 -2.56	148.29 -2.46 -5.95	132.06 -0.40 -0.45	107.33 1.79 0.00	72.41 1.35 0.00	57.80 1.85 0.00	52.09 1.62 0.00	44.64 1.47 0.00

NEVERSINK___HYD 23608	38.97 2.24 0.00	35.52 1.56 0.00	32.36 1.42 0.00	31.20 1.31 0.00	30.66 1.32 0.00	31.21 1.35 0.00	38.58 1.73 0.00	39.19 2.18 0.00	42.68 3.09 0.00	47.40 3.31 0.00	54.34 3.79 0.00	61.94 4.59 0.00	71.09 5.32 0.00	83.49 6.40 0.00	121.92 9.22 -10.35	154.92 12.35 -11.19	175.86 12.43 -13.66	196.51 11.88 -39.84	184.52 10.83 -41.69	140.41 8.24 -26.64	92.55 5.40 -16.09	69.85 3.75 -10.15	55.83 3.13 -2.22	45.76 2.59 0.00
NEWKRMKL_115KV_TB1 55635	38.38 1.65 0.00	35.35 1.39 0.00	32.24 1.30 0.00	31.14 1.26 0.00	30.54 1.20 0.00	31.06 1.19 0.00	38.32 1.47 0.00	38.64 1.63 0.00	41.25 1.66 0.00	45.99 1.90 0.00	52.67 2.12 0.00	59.59 2.24 0.00	66.35 2.56 1.98	75.37 3.01 4.74	121.99 4.50 -15.13	149.74 5.65 -12.70	178.45 6.44 -22.23	262.68 6.08 -111.80	338.51 5.28 -201.23	246.81 3.91 -137.36	162.38 2.56 -88.76	119.47 1.96 -61.56	66.66 2.02 -14.16	45.24 2.07 0.00
NEWTON___FALLS_HYD 23847	35.17 -2.17 -0.61	26.10 -1.90 5.96	24.43 -1.73 4.77	23.72 -1.79 4.37	23.53 -1.70 4.11	23.38 -1.70 4.78	35.68 -1.77 -0.60	35.52 -1.85 -0.36	38.03 -2.26 -0.70	42.23 -2.65 -0.78	48.35 -3.13 -0.94	38.22 -3.79 15.35	42.73 -4.27 18.76	37.56 -5.09 34.45	21.85 -6.65 73.86	25.19 -8.28 97.92	85.22 -9.14 55.43	100.98 -8.54 35.27	127.54 -7.39 -2.93	102.53 -5.49 -2.48	69.65 -3.27 -1.86	54.62 -2.57 -1.24	48.84 -2.57 -0.94	41.51 -2.46 -0.81
NGRID_A1_DSASP 323792	35.77 -0.96 0.00	32.60 -1.36 0.00	29.61 -1.33 0.00	28.57 -1.31 0.00	28.04 -1.29 0.00	28.79 -1.07 0.00	34.71 -2.14 0.00	34.71 -2.29 0.00	37.73 -1.86 0.00	42.20 -1.89 0.00	48.22 -2.32 0.00	54.20 -3.15 0.00	62.28 -3.49 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.36 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.04 -0.38	100.05 -5.49 0.00	67.72 -3.34 0.00	54.22 -1.73 0.00	49.32 -1.16 0.00	42.65 -0.52 0.00
NGRID_A2_DSASP 323793	35.77 -0.96 0.00	32.60 -1.36 0.00	29.61 -1.33 0.00	28.57 -1.31 0.00	28.04 -1.29 0.00	28.79 -1.07 0.00	34.71 -2.14 0.00	34.71 -2.29 0.00	37.73 -1.86 0.00	42.20 -1.89 0.00	48.22 -2.32 0.00	54.20 -3.15 0.00	62.28 -3.49 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.36 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.04 -0.38	100.05 -5.49 0.00	67.72 -3.34 0.00	54.22 -1.73 0.00	49.32 -1.16 0.00	42.65 -0.52 0.00
NGRID_A4_DSASP 323807	35.77 -0.96 0.00	32.60 -1.36 0.00	29.61 -1.33 0.00	28.57 -1.31 0.00	28.04 -1.29 0.00	28.79 -1.07 0.00	34.71 -2.14 0.00	34.71 -2.29 0.00	37.73 -1.86 0.00	42.20 -1.89 0.00	48.22 -2.32 0.00	54.20 -3.15 0.00	62.28 -3.49 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.36 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.04 -0.38	100.05 -5.49 0.00	67.72 -3.34 0.00	54.22 -1.73 0.00	49.32 -1.16 0.00	42.65 -0.52 0.00
NIAGARA_115E_LBMP 323715	36.10 -0.62 0.00	32.90 -1.05 0.00	29.73 -1.21 0.00	28.84 -1.05 0.00	28.34 -1.00 0.00	29.06 -0.80 0.00	34.97 -1.88 0.00	35.01 -2.00 0.00	38.08 -1.50 0.00	42.55 -1.54 0.00	48.68 -1.87 0.00	54.66 -2.69 0.00	62.87 -2.89 0.00	73.78 -3.31 0.00	96.93 -7.06 -1.63	122.11 -11.04 -1.76	139.20 -12.73 -2.15	138.09 -11.72 -5.01	123.67 -8.72 -0.38	101.11 -4.43 0.00	68.43 -2.63 0.00	54.77 -1.18 0.00	49.77 -0.71 0.00	43.00 -0.17 0.00
NIAGARA_115W_LBMP 323714	35.70 -1.03 0.00	32.53 -1.42 0.00	29.55 -1.39 0.00	28.48 -1.40 0.00	27.99 -1.35 0.00	28.70 -1.17 0.00	34.60 -2.25 0.00	34.64 -2.37 0.00	37.65 -1.94 0.00	42.06 -2.03 0.00	48.12 -2.43 0.00	54.09 -3.27 0.00	62.15 -3.62 0.00	72.93 -4.16 0.00	95.69 -8.29 -1.62	120.53 -12.61 -1.76	137.25 -14.67 -2.14	136.17 -13.62 -4.99	122.09 -10.30 -0.38	99.84 -5.70 0.00	67.51 -3.55 0.00	54.11 -1.85 0.00	49.17 -1.31 0.00	42.52 -0.65 0.00
NIAGARA_230_LBMP 323716	36.21 -0.51 0.00	33.00 -0.95 0.00	29.89 -1.05 0.00	28.90 -0.99 0.00	28.39 -0.94 0.00	29.12 -0.75 0.00	35.15 -1.69 0.00	35.16 -1.85 0.00	38.20 -1.39 0.00	42.72 -1.37 0.00	48.88 -1.67 0.00	55.00 -2.35 0.00	63.20 -2.57 0.00	74.17 -2.93 0.00	97.61 -6.35 -1.60	123.00 -10.11 -1.73	140.21 -11.68 -2.11	139.00 -10.71 -4.91	124.32 -8.06 -0.37	101.64 -3.90 0.00	68.71 -2.34 0.00	55.00 -0.95 0.00	49.92 -0.55 0.00	43.08 -0.09 0.00
NIAGARA___115KV_198_GIBSON 55903	35.77 -0.95 0.00	32.53 -1.43 0.00	29.45 -1.49 0.00	28.36 -1.52 0.00	28.01 -1.32 0.00	28.73 -1.13 0.00	34.56 -2.28 0.00	34.68 -2.33 0.00	37.65 -1.94 0.00	42.06 -2.03 0.00	48.07 -2.48 0.00	54.37 -2.98 0.00	62.21 -3.55 0.00	72.93 -4.16 0.00	95.69 -8.29 -1.62	120.53 -12.61 -1.76	137.25 -14.68 -2.14	136.18 -13.61 -4.99	122.09 -10.30 -0.38	99.84 -5.70 0.00	67.51 -3.55 0.00	54.11 -1.85 0.00	49.32 -1.16 0.00	42.52 -0.65 0.00
NIAGARA___ 23760	36.21 -0.51 0.00	33.00 -0.95 0.00	29.89 -1.05 0.00	28.90 -0.99 0.00	28.39 -0.94 0.00	29.12 -0.75 0.00	35.15 -1.69 0.00	35.16 -1.85 0.00	38.20 -1.39 0.00	42.72 -1.37 0.00	48.88 -1.67 0.00	55.00 -2.35 0.00	63.20 -2.57 0.00	74.17 -2.93 0.00	97.62 -6.35 -1.61	123.01 -10.11 -1.74	140.23 -11.68 -2.13	139.04 -10.71 -4.95	124.33 -8.06 -0.37	101.64 -3.90 0.00	68.71 -2.34 0.00	55.00 -0.95 0.00	49.92 -0.55 0.00	43.08 -0.09 0.00
NINE_MILE_1 23575	25.58 -0.84 10.31	25.78 -0.92 7.26	25.99 -0.87 4.08	26.09 -0.84 2.95	26.16 -0.79 2.38	26.12 -0.78 2.96	24.62 -1.03 11.20	29.93 -0.92 6.16	26.86 -0.91 11.82	29.84 -0.97 13.28	32.53 -1.11 16.90	32.00 -1.26 24.09	31.48 -1.38 32.90	31.24 -1.62 44.23	45.60 -2.46 54.30	56.69 -3.42 71.28	85.58 -3.74 60.47	94.32 -3.48 47.00	79.48 -2.90 49.63	61.49 -2.01 42.04	38.21 -1.35 31.49	33.91 -1.01 21.04	33.59 -0.96 15.92	28.63 -0.86 13.67
NINE_MILE_2 23744	25.42 -0.84 10.46	25.67 -0.92 7.37	25.93 -0.87 4.15	26.05 -0.84 3.00	26.13 -0.79 2.42	26.08 -0.78 3.01	24.45 -1.03 11.37	29.83 -0.92 6.25	26.68 -0.91 12.00	29.64 -0.97 13.48	32.27 -1.11 17.16	31.64 -1.26 24.45	30.99 -1.38 33.39	30.58 -1.62 44.90	44.78 -2.46 55.12	55.61 -3.42 72.35	84.66 -3.74 61.38	93.61 -3.48 47.71	78.73 -2.90 50.38	60.86 -2.01 42.68	37.74 -1.35 31.97	33.59 -1.01 21.36	33.35 -0.96 16.16	28.43 -0.86 13.88
NM_CAPITAL___DRP 24208	38.42 1.69 0.00	35.35 1.39 0.00	32.27 1.33 0.00	31.17 1.28 0.00	30.60 1.26 0.00	31.12 1.25 0.00	38.36 1.51 0.00	38.67 1.67 0.00	41.29 1.70 0.00	45.99 1.90 0.00	52.72 2.17 0.00	59.71 2.35 0.00	71.80 2.70 -3.33	88.23 3.16 -7.98	171.60 4.71 -64.54	213.36 6.04 -75.93	237.88 6.74 -81.36	376.05 6.37 -224.88	486.38 5.54 -348.82	330.60 4.22 -220.83	197.45 2.70 -123.69	130.99 2.07 -72.96	66.48 2.07 -13.93	45.28 2.12 0.00
NM_CENTRAL___DRP 24181	37.80 0.07 -1.00	34.29 -0.10 -0.44	31.00 -0.12 -0.19	29.83 -0.15 -0.10	29.27 -0.12 -0.05	29.88 -0.06 -0.08	37.75 -0.18 -1.09	37.64 0.04 -0.60	40.82 0.08 -1.15	45.60 0.22 -1.29	52.44 0.25 -1.64	59.39 0.40 -1.64	68.61 0.46 -2.39	81.36 0.62 -3.65	106.63 0.31 -3.97	136.76 0.26 -5.11	155.54 0.30 -5.45	149.94 0.58 -4.56	137.75 0.92 -4.82	110.57 0.95 -4.08	74.76 0.64 -3.06	58.55 0.56 -2.04	52.43 0.40 -1.55	44.76 0.26 -1.33

NM_FRONTIER___DRP 24179	35.77 -0.95 0.00	32.53 -1.43 0.00	29.45 -1.49 0.00	28.36 -1.52 0.00	28.01 -1.32 0.00	28.73 -1.13 0.00	34.56 -2.28 0.00	34.68 -2.33 0.00	37.65 -1.94 0.00	42.06 -2.03 0.00	48.07 -2.48 0.00	54.37 -2.98 0.00	62.21 -3.55 0.00	72.93 -4.16 0.00	95.69 -8.29 -1.62	120.53 -12.61 -1.76	137.25 -14.68 -2.14	136.18 -13.61 -4.99	122.09 -10.30 -0.38	99.84 -5.70 0.00	67.51 -3.55 0.00	54.11 -1.85 0.00	49.32 -1.16 0.00	42.52 -0.65 0.00
NM_ST_REGIS___HYD 24053	33.86 -2.86 0.00	23.54 -2.31 8.10	22.50 -2.07 6.36	22.12 -2.00 5.77	21.92 -2.02 5.39	21.55 -2.03 6.28	34.56 -2.21 0.07	34.49 -2.52 0.00	36.66 -2.93 0.00	40.83 -3.26 0.00	46.68 -3.79 0.07	31.31 -4.76 21.28	33.56 -5.52 26.68	41.03 -6.40 29.66	33.27 -8.29 60.80	38.74 -10.38 82.27	102.88 -11.53 35.37	115.88 -11.29 17.63	121.45 -10.56 0.00	97.10 -8.44 0.00	65.44 -5.61 0.00	51.42 -4.53 0.00	46.49 -3.99 0.00	39.50 -3.67 0.00
NORTHPORT___1 23551	54.81 3.89 -14.19	52.63 3.16 -15.51	44.41 2.84 -10.63	41.55 2.69 -8.98	40.40 2.70 -8.37	40.81 2.72 -8.23	43.12 3.50 -2.77	45.53 4.07 -4.45	47.55 4.47 -3.49	50.61 4.76 -1.76	51.02 4.55 4.07	52.99 5.68 10.05	82.38 6.51 -10.10	98.11 7.78 -13.23	152.86 11.46 -39.04	198.79 14.71 -52.70	268.17 16.48 -101.91	333.44 15.34 -173.30	290.48 13.73 -144.74	227.37 10.66 -111.18	100.22 6.61 -22.55	77.67 4.92 -16.80	52.69 4.04 1.83	50.50 3.84 -3.49
NORTHPORT___2 23552	54.81 3.89 -14.19	52.63 3.16 -15.51	44.41 2.84 -10.63	41.55 2.69 -8.98	40.40 2.70 -8.37	40.81 2.72 -8.23	43.12 3.50 -2.77	45.53 4.07 -4.45	47.55 4.47 -3.49	50.61 4.76 -1.76	51.02 4.55 4.07	51.42 5.68 11.62	51.36 6.51 20.92	51.36 7.78 33.52	51.92 11.46 61.90	51.36 14.71 94.74	75.35 16.48 90.91	100.69 15.34 59.45	135.69 13.73 10.05	71.93 10.66 44.27	71.65 6.61 6.02	51.65 4.92 9.22	51.43 4.04 3.09	50.50 3.84 -3.49
NORTHPORT___3 23553	54.22 3.31 -14.19	52.12 2.65 -15.51	43.92 2.35 -10.63	41.04 2.18 -8.98	39.88 2.17 -8.37	40.27 2.18 -8.23	42.38 2.77 -2.77	44.94 3.48 -4.45	47.07 4.00 -3.49	50.13 4.28 -1.76	50.86 4.40 4.08	51.42 5.56 11.50	51.43 6.38 20.71	52.50 7.56 32.16	52.90 11.26 60.71	52.72 14.71 93.38	77.68 16.48 88.57	102.51 15.50 57.79	136.33 13.60 9.27	71.97 10.35 43.92	71.43 6.40 6.03	51.42 4.70 9.23	51.42 4.04 3.10	50.95 3.63 -4.15
NORTHPORT___4 23650	54.22 3.31 -14.19	52.12 2.65 -15.51	43.92 2.35 -10.63	41.04 2.18 -8.98	39.88 2.17 -8.37	40.27 2.18 -8.23	42.38 2.77 -2.77	44.94 3.48 -4.45	47.07 4.00 -3.49	50.13 4.28 -1.76	50.86 4.40 4.08	51.42 5.56 11.50	51.43 6.38 20.71	52.50 7.56 32.16	52.90 11.26 60.71	52.72 14.71 93.38	77.68 16.48 88.57	102.51 15.50 57.79	136.33 13.60 9.27	71.97 10.35 43.92	71.43 6.40 6.03	51.42 4.70 9.23	51.42 4.04 3.10	50.95 3.63 -4.15
NORTHPORT___IC 23718	54.81 3.89 -14.19	52.63 3.16 -15.51	44.38 2.82 -10.63	41.58 2.72 -8.98	40.41 2.70 -8.37	40.81 2.72 -8.23	43.12 3.50 -2.77	45.53 4.07 -4.45	47.55 4.47 -3.49	50.61 4.76 -1.76	51.12 4.65 4.07	51.36 5.62 11.62	51.36 6.51 20.92	51.36 7.79 33.52	51.92 11.46 61.90	51.36 14.72 94.74	75.20 16.33 90.91	100.70 15.35 59.45	135.69 13.73 10.05	71.93 10.66 44.27	71.58 6.54 6.02	51.65 4.92 9.22	51.68 4.29 3.09	50.50 3.84 -3.49
NORTH___COUNTRY_ESR 323785	34.97 -1.76 0.00	31.74 -1.29 0.93	29.03 -1.18 0.73	28.12 -1.11 0.66	27.54 -1.17 0.62	27.95 -1.20 0.72	35.55 -1.29 0.01	35.34 -1.66 0.00	37.77 -1.82 0.00	42.20 -1.89 0.00	48.56 -1.97 0.01	51.65 -3.27 2.44	56.17 -4.21 5.38	66.13 -4.85 6.11	83.27 -6.35 12.74	106.55 -8.02 16.82	130.42 -9.14 10.22	129.15 -8.84 6.81	123.43 -8.58 0.00	98.57 -6.97 0.00	66.22 -4.83 0.00	52.37 -3.58 0.00	47.75 -2.73 0.00	40.45 -2.72 0.00
NPX_GEN_1385_PROXY 323591	51.25 2.83 -11.69	50.44 2.18 -14.31	43.70 2.13 -10.63	41.04 2.18 -8.98	40.14 2.43 -8.37	41.31 2.27 -9.18	42.02 3.35 -1.82	44.76 3.29 -4.45	47.00 3.92 -3.49	48.50 4.19 -0.22	52.82 4.80 2.53	53.67 6.65 10.33	78.76 8.55 -4.45	108.47 10.18 -21.20	152.98 14.44 -36.19	174.94 17.73 -25.82	236.47 19.92 -66.76	294.64 18.96 -130.88	289.04 17.69 -139.34	206.49 13.82 -87.13	150.96 8.81 -71.09	106.40 6.66 -43.79	50.35 4.09 4.22	50.37 3.71 -3.49
NPX_GEN_CSC 323557	55.37 4.44 -14.20	53.00 3.53 -15.51	44.63 3.06 -10.63	41.76 2.90 -8.98	40.52 2.82 -8.37	41.91 2.87 -9.18	42.32 3.65 -1.82	45.79 4.33 -4.45	48.14 5.07 -3.49	49.55 5.24 -0.22	68.78 5.76 -12.48	137.84 7.05 -73.44	152.94 8.29 -78.89	265.47 9.87 -178.50	241.60 13.92 -125.33	274.74 17.48 -125.87	279.62 19.77 -110.07	345.03 18.24 -181.99	298.57 16.37 -150.20	245.63 12.98 -127.11	240.13 8.45 -160.62	213.77 6.49 -151.33	69.55 5.40 -13.67	55.78 4.66 -7.95
NSINS_S_GLNS_FALLS 23858	39.67 2.94 0.00	36.43 2.48 0.00	33.10 2.17 0.00	31.94 2.06 0.00	31.36 2.02 0.00	31.95 2.09 0.00	39.50 2.65 0.00	39.78 2.78 0.00	42.60 3.01 0.00	47.75 3.66 0.00	54.39 3.84 0.00	62.06 4.70 0.00	74.26 5.66 -2.84	90.05 6.17 -6.78	186.53 8.39 -75.78	228.81 10.25 -87.17	258.53 11.98 -96.77	453.36 12.45 -296.11	644.48 12.54 -499.93	437.93 10.03 -322.36	264.51 6.96 -186.49	174.59 5.60 -113.05	78.21 4.64 -23.08	46.71 3.54 0.00
NUCOR_STEEL___DRP 24197	39.10 0.73 -1.64	35.40 0.48 -0.97	31.78 0.34 -0.50	30.52 0.30 -0.34	29.91 0.32 -0.25	30.61 0.42 -0.33	39.07 0.44 -1.78	38.62 0.63 -0.98	42.18 0.71 -1.88	47.08 0.88 -2.11	54.24 1.01 -2.69	61.95 1.26 -3.34	71.87 1.45 -4.66	85.45 1.77 -6.58	111.81 1.74 -7.72	143.41 1.97 -10.06	161.50 2.40 -9.32	155.31 3.04 -7.47	143.20 3.30 -7.89	115.18 2.96 -6.69	78.20 2.13 -5.01	60.98 1.68 -3.35	54.42 1.41 -2.53	46.42 1.08 -2.17
NUMBER_THREE_WT_PWR 323818	37.02 -0.44 -0.73	31.22 -0.48 2.26	28.55 -0.50 1.89	27.40 -0.72 1.77	27.07 -0.59 1.68	27.32 -0.60 1.94	37.25 -0.37 -0.76	37.22 -0.22 -0.43	39.83 -0.59 -0.83	44.19 -0.84 -0.94	50.60 -1.11 -1.17	50.27 -1.49 5.59	57.51 -1.64 6.61	31.07 -2.00 44.02	4.01 -2.55 95.79	4.01 -3.42 123.96	54.51 -3.30 91.98	74.33 -2.46 68.01	134.19 -1.32 -3.50	108.19 -0.32 -2.96	73.78 0.50 -2.22	57.94 0.50 -1.48	51.65 0.05 -1.12	43.92 -0.21 -0.96
NYISO_LBMP_REFERENCE 24008	36.73 0.00 0.00	33.96 0.00 0.00	30.94 0.00 0.00	29.88 0.00 0.00	29.33 0.00 0.00	29.86 0.00 0.00	36.85 0.00 0.00	37.01 0.00 0.00	39.59 0.00 0.00	44.09 0.00 0.00	50.55 0.00 0.00	57.35 0.00 0.00	65.76 0.00 0.00	77.10 0.00 0.00	102.36 0.00 0.00	131.39 0.00 0.00	149.78 0.00 0.00	144.80 0.00 0.00	132.01 0.00 0.00	105.54 0.00 0.00	71.06 0.00 0.00	55.95 0.00 0.00	50.48 0.00 0.00	43.17 0.00 0.00
NYPA_BRENTWD____GT 24164	55.58 4.67 -14.19	53.20 3.74 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.81 3.11 -8.37	41.23 3.13 -8.23	43.60 3.98 -2.77	46.13 4.66 -4.45	48.34 5.27 -3.49	51.50 5.64 -1.76	58.66 5.81 -2.30	102.05 6.76 -37.93	97.78 7.82 -24.19	134.30 9.32 -47.88	176.15 13.51 -60.29	248.54 17.48 -99.68	282.26 19.62 -112.87	347.17 18.39 -183.98	299.64 16.50 -151.13	234.52 12.87 -116.11	128.29 8.10 -49.13	104.24 6.04 -42.24	64.27 5.40 -8.39	85.20 4.96 -37.07



OAKDALE___35_KV_LOAD 356122	38.24 0.84 -0.66	34.93 0.51 -0.47	31.60 0.40 -0.26	30.43 0.36 -0.19	29.93 0.44 -0.15	30.53 0.48 -0.19	37.98 0.41 -0.72	38.07 0.67 -0.40	41.22 0.87 -0.76	46.00 1.06 -0.85	52.95 1.31 -1.09	60.45 1.55 -1.55	69.66 1.78 -2.12	82.02 2.08 -2.85	111.80 2.05 -7.39	142.42 2.23 -8.80	161.52 2.70 -9.04	165.86 2.75 -18.31	155.52 3.30 -20.21	122.33 3.17 -13.63	81.81 2.13 -8.62	63.31 1.85 -5.51	53.93 1.51 -1.94	45.30 1.25 -0.88
OCC_CHEM___DRP 24175	35.85 -0.88 0.00	32.63 -1.32 0.00	29.55 -1.39 0.00	28.45 -1.43 0.00	28.07 -1.26 0.00	28.79 -1.08 0.00	34.68 -2.17 0.00	34.79 -2.22 0.00	37.73 -1.86 0.00	42.19 -1.90 0.00	48.17 -2.38 0.00	54.49 -2.87 0.00	62.35 -3.42 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.35 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.03 -0.38	100.05 -5.49 0.00	67.65 -3.41 0.00	54.27 -1.68 0.00	49.47 -1.01 0.00	42.65 -0.52 0.00
OH_GEN_PROXY 24063	36.21 -0.51 0.00	33.00 -0.95 0.00	29.89 -1.05 0.00	28.90 -0.99 0.00	28.43 -0.91 0.00	30.07 -0.75 -0.95	34.24 -1.66 0.95	35.23 -1.78 0.00	38.28 -1.31 0.00	41.27 -1.28 1.54	50.52 -1.57 -1.54	55.17 -2.18 0.00	63.40 -2.36 0.00	75.53 -2.70 -1.13	96.79 -6.04 -0.47	123.54 -9.59 -1.74	140.67 -11.24 -2.12	139.45 -10.28 -4.93	124.86 -7.52 -0.37	101.95 -3.59 0.00	68.93 -2.13 0.00	57.27 -0.84 -2.16	47.87 -0.46 2.16	43.13 -0.04 0.00
OLIN_CORP_DRP 24177	36.25 -0.48 0.00	32.97 -0.98 0.00	29.89 -1.05 0.00	28.78 -1.11 0.00	28.40 -0.94 0.00	29.15 -0.72 0.00	35.01 -1.84 0.00	35.16 -1.85 0.00	38.12 -1.46 0.00	42.64 -1.45 0.00	48.73 -1.82 0.00	55.06 -2.29 0.00	63.07 -2.70 0.00	73.94 -3.16 0.00	97.14 -6.86 -1.65	122.39 -10.77 -1.78	139.52 -12.43 -2.17	138.42 -11.44 -5.06	123.94 -8.45 -0.38	101.32 -4.22 0.00	68.50 -2.56 0.00	54.89 -1.06 0.00	49.97 -0.50 0.00	43.04 -0.13 0.00
OLIN_CORP_DSASP 323712	35.77 -0.96 0.00	32.60 -1.36 0.00	29.61 -1.33 0.00	28.57 -1.31 0.00	28.04 -1.29 0.00	28.79 -1.07 0.00	34.71 -2.14 0.00	34.71 -2.29 0.00	37.73 -1.86 0.00	42.20 -1.89 0.00	48.22 -2.32 0.00	54.20 -3.15 0.00	62.28 -3.49 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.36 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.04 -0.38	100.05 -5.49 0.00	67.72 -3.34 0.00	54.22 -1.73 0.00	49.32 -1.16 0.00	42.65 -0.52 0.00
ONEIDA_HERK_LFGE 323681	37.68 0.55 -0.40	33.37 0.41 0.99	30.41 0.31 0.84	29.30 0.21 0.79	28.90 0.32 0.75	29.35 0.36 0.87	37.97 0.70 -0.42	38.13 0.89 -0.24	40.76 0.71 -0.46	45.35 0.75 -0.51	51.94 0.76 -0.64	55.64 0.69 2.41	63.88 0.85 2.74	91.03 1.00 -12.93	130.08 1.33 -26.39	166.22 2.39 -33.13	185.07 2.39 -32.90	174.48 2.61 -27.07	136.82 2.90 -1.91	109.80 2.64 -1.62	74.33 2.06 -1.21	58.55 1.79 -0.81	52.40 1.31 -0.61	44.64 0.95 -0.53
ONEIDA___115KV_TB4 55905	38.56 1.29 -0.54	34.82 1.02 0.15	31.57 0.84 0.20	30.44 0.78 0.22	30.01 0.91 0.23	30.56 0.96 0.26	38.80 1.36 -0.59	38.92 1.59 -0.32	41.76 1.54 -0.62	46.55 1.76 -0.70	53.40 1.97 -0.89	58.94 1.72 0.13	67.99 2.10 -0.12	85.49 2.54 -5.85	116.06 3.17 -10.53	148.72 4.07 -13.27	168.19 5.09 -13.31	160.99 5.21 -10.98	139.90 5.28 -2.61	112.19 4.43 -2.21	75.77 3.06 -1.66	60.03 2.97 -1.11	53.69 2.37 -0.84	45.75 1.86 -0.72
ONONDAGA_REF_OCCRA 23987	38.00 0.04 -1.23	34.45 -0.14 -0.63	31.06 -0.19 -0.30	29.86 -0.21 -0.18	29.29 -0.18 -0.13	29.91 -0.12 -0.17	37.97 -0.22 -1.34	37.71 -0.04 -0.74	41.05 0.04 -1.42	45.86 0.18 -1.59	52.82 0.25 -2.02	60.02 0.40 -2.26	69.51 0.53 -3.22	82.44 0.62 -4.72	108.11 0.41 -5.35	138.71 0.39 -6.93	157.10 0.45 -6.87	151.15 0.72 -5.63	139.01 1.06 -5.95	111.63 1.06 -5.04	75.54 0.71 -3.77	59.09 0.62 -2.52	52.79 0.40 -1.91	45.02 0.22 -1.64
ONONDAGA___COGEN 23986	38.86 0.29 -1.83	35.13 0.10 -1.07	31.52 0.03 -0.55	30.25 0.00 -0.37	29.64 0.03 -0.28	30.31 0.09 -0.35	38.88 0.04 -1.99	38.33 0.22 -1.10	41.97 0.28 -2.10	46.90 0.44 -2.36	54.06 0.51 -3.01	61.80 0.75 -3.70	71.80 0.85 -5.18	85.43 1.00 -7.33	111.95 1.02 -8.57	143.60 1.05 -11.17	161.54 1.35 -10.41	154.76 1.59 -8.37	142.82 1.98 -8.83	114.82 1.79 -7.48	77.87 1.21 -5.61	60.65 0.95 -3.75	54.07 0.76 -2.83	46.16 0.56 -2.43
ONTARIO___LFGE 23819	38.26 0.92 -0.61	34.82 0.44 -0.43	31.52 0.34 -0.24	30.36 0.30 -0.17	29.83 0.35 -0.14	30.58 0.54 -0.17	37.84 0.33 -0.66	38.00 0.63 -0.36	41.16 0.87 -0.70	46.02 1.14 -0.78	52.81 1.26 -1.00	60.21 1.43 -1.42	69.35 1.64 -1.94	81.71 2.00 -2.61	105.77 0.21 -3.20	135.33 -0.26 -4.21	153.50 0.15 -3.57	150.03 2.46 -2.77	138.50 3.57 -2.93	111.71 3.69 -2.48	75.62 2.70 -1.86	59.43 2.24 -1.24	53.23 1.81 -0.94	45.40 1.42 -0.81
ORANGEVILLE_WT_PWR 323706	36.91 0.18 0.00	33.58 -0.37 0.00	30.48 -0.46 0.00	29.44 -0.45 0.00	28.92 -0.41 0.00	29.66 -0.21 0.00	35.93 -0.92 0.00	36.19 -0.81 0.00	39.27 -0.32 0.00	44.00 -0.09 0.00	50.39 -0.15 0.00	56.84 -0.52 0.00	65.17 -0.59 0.00	76.40 -0.70 0.00	101.09 -3.28 -2.01	128.05 -5.51 -2.17	146.44 -6.00 -2.65	146.05 -4.92 -6.18	129.84 -2.64 -0.47	105.44 -0.11 0.00	71.27 0.21 0.00	56.73 0.78 0.00	51.28 0.81 0.00	43.99 0.82 0.00
ORANGEVILLE___ESR 323794	36.91 0.18 0.00	33.58 -0.37 0.00	30.48 -0.46 0.00	29.44 -0.45 0.00	28.92 -0.41 0.00	29.66 -0.21 0.00	35.93 -0.92 0.00	36.19 -0.81 0.00	39.27 -0.32 0.00	44.00 -0.09 0.00	50.39 -0.15 0.00	56.84 -0.52 0.00	65.17 -0.59 0.00	76.40 -0.70 0.00	101.09 -3.28 -2.01	128.05 -5.51 -2.17	146.44 -6.00 -2.65	146.05 -4.92 -6.18	129.84 -2.64 -0.47	105.44 -0.11 0.00	71.27 0.21 0.00	56.73 0.78 0.00	51.28 0.81 0.00	43.99 0.82 0.00
OSWEGATCHIE___HYD 24044	35.17 -2.17 -0.61	26.10 -1.90 5.96	24.43 -1.73 4.77	23.72 -1.79 4.37	23.52 -1.70 4.11	23.39 -1.70 4.78	35.68 -1.77 -0.60	35.52 -1.85 -0.36	38.03 -2.25 -0.70	42.23 -2.64 -0.78	48.45 -3.03 -0.94	38.28 -3.73 15.35	42.73 -4.27 18.76	37.56 -5.09 34.45	21.85 -6.65 73.86	25.19 -8.27 97.92	85.21 -9.14 55.43	101.13 -8.40 35.27	127.55 -7.39 -2.93	102.53 -5.49 -2.48	69.58 -3.34 -1.86	54.62 -2.57 -1.24	48.85 -2.57 -0.94	41.52 -2.46 -0.81
OSWEGO___5 23606	43.89 -0.51 -7.68	38.75 -0.61 -5.41	33.39 -0.59 -3.04	31.48 -0.60 -2.20	30.55 -0.56 -1.77	31.53 -0.54 -2.21	44.46 -0.74 -8.34	41.00 -0.59 -4.59	47.81 -0.59 -8.81	53.37 -0.62 -9.89	62.43 -0.71 -12.59	74.55 -0.75 -17.94	89.42 -0.86 -24.51	109.13 -0.92 -32.95	141.17 -1.64 -40.45	182.25 -2.23 -53.10	192.28 -2.55 -45.05	177.65 -2.17 -35.01	167.26 -1.72 -36.97	135.81 -1.06 -31.32	93.81 -0.71 -23.46	71.12 -0.50 -15.67	61.84 -0.50 -11.86	52.88 -0.47 -10.19
OSWEGO___6 23613	43.89 -0.51 -7.68	38.75 -0.61 -5.41	33.39 -0.59 -3.04	31.48 -0.60 -2.20	30.55 -0.56 -1.77	31.53 -0.54 -2.21	44.46 -0.74 -8.34	41.00 -0.59 -4.59	47.81 -0.59 -8.81	53.37 -0.62 -9.89	62.43 -0.71 -12.59	74.55 -0.75 -17.94	89.42 -0.86 -24.51	109.13 -0.92 -32.95	141.17 -1.64 -40.45	182.25 -2.23 -53.10	192.28 -2.55 -45.05	177.65 -2.17 -35.01	167.26 -1.72 -36.97	135.81 -1.06 -31.32	93.81 -0.71 -23.46	71.12 -0.50 -15.67	61.84 -0.50 -11.86	52.88 -0.47 -10.19

OUTOKUMPU-AB___DRP 24206	36.91 0.18 0.00	33.51 -0.44 0.00	30.35 -0.59 0.00	29.26 -0.63 0.00	28.87 -0.47 0.00	29.59 -0.27 0.00	35.67 -1.18 0.00	35.94 -1.07 0.00	39.04 -0.55 0.00	43.61 -0.48 0.00	49.74 -0.81 0.00	56.21 -1.15 0.00	64.32 -1.45 0.00	75.63 -1.46 0.00	99.41 -4.61 -1.66	125.30 -7.88 -1.80	142.69 -9.29 -2.19	141.51 -8.40 -5.11	126.72 -5.68 -0.39	103.43 -2.11 0.00	69.85 -1.21 0.00	55.95 0.00 0.00	50.88 0.40 0.00	43.95 0.78 0.00
OXBOW___BTM 323836	36.29 -0.44 0.00	33.00 -0.95 0.00	29.95 -0.99 0.00	28.90 -0.99 0.00	28.39 -0.94 0.00	29.15 -0.72 0.00	35.15 -1.69 0.00	35.27 -1.74 0.00	38.36 -1.23 0.00	42.86 -1.23 0.00	48.98 -1.57 0.00	55.06 -2.30 0.00	63.13 -2.63 0.00	74.17 -2.93 0.00	97.45 -6.55 -1.65	122.78 -10.38 -1.78	139.83 -12.13 -2.17	138.71 -11.15 -5.05	124.33 -8.06 -0.38	101.42 -4.12 0.00	68.57 -2.49 0.00	54.95 -1.01 0.00	50.02 -0.46 0.00	43.26 0.09 0.00
OXBOW___ 24026	36.36 -0.37 0.00	33.04 -0.92 0.00	29.92 -1.02 0.00	28.81 -1.08 0.00	28.43 -0.91 0.00	29.15 -0.72 0.00	35.12 -1.73 0.00	35.34 -1.67 0.00	38.36 -1.23 0.00	42.86 -1.23 0.00	48.93 -1.62 0.00	55.35 -2.01 0.00	63.20 -2.56 0.00	74.17 -2.93 0.00	97.45 -6.55 -1.65	122.79 -10.38 -1.78	139.82 -12.13 -2.17	138.70 -11.15 -5.05	124.21 -8.18 -0.38	101.42 -4.12 0.00	68.57 -2.49 0.00	55.00 -0.95 0.00	50.13 -0.35 0.00	43.26 0.09 0.00
OXY_CHEM_DSASP 323612	35.85 -0.88 0.00	32.63 -1.32 0.00	29.55 -1.39 0.00	28.45 -1.43 0.00	28.07 -1.26 0.00	28.79 -1.08 0.00	34.68 -2.17 0.00	34.79 -2.22 0.00	37.73 -1.86 0.00	42.19 -1.90 0.00	48.17 -2.38 0.00	54.49 -2.87 0.00	62.35 -3.42 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.35 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.03 -0.38	100.05 -5.49 0.00	67.65 -3.41 0.00	54.27 -1.68 0.00	49.47 -1.01 0.00	42.65 -0.52 0.00
OZONE_PARK_ESR 323760	40.84 4.11 0.00	37.11 3.16 0.00	33.72 2.78 0.00	32.48 2.60 0.00	31.89 2.55 0.00	32.43 2.57 0.00	40.17 3.32 0.00	41.15 4.14 0.00	44.32 4.71 -0.02	49.12 5.03 0.00	56.21 5.66 0.00	64.06 6.71 0.00	73.91 7.50 -0.65	87.59 8.94 -1.55	132.58 13.20 -17.02	168.32 17.34 -19.60	190.97 19.47 -21.72	218.16 18.24 -55.12	205.40 15.97 -57.42	152.96 12.24 -35.18	98.31 7.89 -19.36	71.82 5.71 -10.16	57.74 5.20 -2.06	47.74 4.58 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	35.85 -0.88 0.00	32.63 -1.32 0.00	29.55 -1.39 0.00	28.45 -1.43 0.00	28.07 -1.26 0.00	28.79 -1.08 0.00	34.68 -2.17 0.00	34.79 -2.22 0.00	37.73 -1.86 0.00	42.19 -1.90 0.00	48.17 -2.38 0.00	54.49 -2.87 0.00	62.35 -3.42 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.35 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.03 -0.38	100.05 -5.49 0.00	67.65 -3.41 0.00	54.27 -1.68 0.00	49.47 -1.01 0.00	42.65 -0.52 0.00
PACKARD__115KV_DUPONT_184 80571	35.85 -0.88 0.00	32.63 -1.32 0.00	29.55 -1.39 0.00	28.45 -1.43 0.00	28.07 -1.26 0.00	28.79 -1.08 0.00	34.68 -2.17 0.00	34.79 -2.22 0.00	37.73 -1.86 0.00	42.19 -1.90 0.00	48.17 -2.38 0.00	54.49 -2.87 0.00	62.35 -3.42 0.00	73.17 -3.93 0.00	96.00 -7.98 -1.63	120.79 -12.35 -1.76	137.70 -14.23 -2.15	136.62 -13.18 -5.00	122.35 -10.03 -0.38	100.05 -5.49 0.00	67.65 -3.41 0.00	54.27 -1.68 0.00	49.47 -1.01 0.00	42.65 -0.52 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	40.45 3.71 -0.01	36.98 3.02 -0.01	33.61 2.66 -0.01	32.40 2.51 -0.01	31.81 2.46 -0.01	32.19 2.33 0.00	39.69 2.84 0.00	40.67 3.66 0.00	43.76 4.16 -0.02	48.28 4.19 0.00	55.04 4.50 0.01	62.68 5.33 0.01	72.32 5.92 -0.64	85.73 7.09 -1.54	130.02 10.65 -17.02	165.30 14.32 -19.60	187.38 15.88 -21.72	214.54 14.62 -55.12	202.10 12.67 -57.42	150.32 9.60 -35.17	96.60 6.18 -19.36	70.75 4.64 -10.15	56.83 4.29 -2.06	47.41 4.23 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	40.96 4.22 -0.01	37.43 3.46 -0.01	34.01 3.06 -0.01	32.79 2.90 -0.01	32.19 2.85 -0.01	32.55 2.69 0.00	40.09 3.24 0.00	41.08 4.07 0.00	44.16 4.55 -0.02	48.76 4.67 0.00	55.64 5.11 0.01	63.37 6.02 0.01	73.05 6.64 -0.64	86.58 7.94 -1.54	131.56 12.18 -17.02	167.14 16.16 -19.60	189.47 17.97 -21.72	216.72 16.80 -55.12	204.08 14.65 -57.42	151.80 11.08 -35.17	97.66 7.25 -19.36	71.59 5.48 -10.15	57.64 5.10 -2.06	48.05 4.88 -0.01
PATROON__115KV_TB1 80586	38.53 1.80 0.00	35.45 1.49 0.00	32.33 1.39 0.00	31.23 1.34 0.00	30.65 1.32 0.00	31.15 1.28 0.00	38.43 1.58 0.00	38.75 1.74 0.00	41.41 1.82 0.00	46.16 2.07 0.00	52.87 2.33 0.00	59.88 2.52 0.00	69.29 2.89 -0.63	82.01 3.39 -1.52	148.96 5.02 -41.58	183.82 6.31 -46.13	211.12 7.19 -54.15	330.10 6.81 -178.50	433.97 5.81 -296.15	303.19 4.43 -193.22	188.78 2.84 -114.88	130.92 2.24 -72.73	67.98 2.22 -15.28	45.37 2.20 0.00
PATTRSNVILLE___SOLAR 323815	38.97 2.24 0.00	35.86 1.90 0.00	32.64 1.70 0.00	31.53 1.64 0.00	30.98 1.64 0.00	31.53 1.67 0.00	38.91 2.06 0.00	39.19 2.18 0.00	41.80 2.22 0.00	46.60 2.51 0.00	53.37 2.83 0.00	60.79 3.44 0.00	71.46 4.08 -1.62	85.67 4.70 -3.87	175.10 6.35 -66.40	214.17 8.02 -74.77	244.69 9.14 -85.77	434.69 9.41 -280.49	628.75 8.98 -487.76	430.43 7.28 -317.61	263.20 4.97 -187.17	175.59 3.92 -115.72	78.20 3.38 -24.34	45.89 2.72 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	37.17 0.44 0.00	33.72 -0.24 0.00	30.51 -0.43 0.00	29.40 -0.48 0.00	29.04 -0.29 0.00	29.77 -0.09 0.00	35.96 -0.88 0.00	36.38 -0.63 0.00	39.51 -0.08 0.00	44.27 0.18 0.00	50.85 0.30 0.00	57.47 0.11 0.00	65.96 0.20 0.00	77.56 0.46 0.00	102.36 -1.84 -1.84	129.17 -4.20 -1.99	147.42 -4.79 -2.43	146.26 -4.20 -5.66	130.46 -1.98 -0.43	106.07 0.53 0.00	71.56 0.50 0.00	57.13 1.17 0.00	51.59 1.11 0.00	44.33 1.17 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	40.22 3.49 0.00	36.60 2.65 0.00	33.29 2.35 0.00	32.12 2.24 0.00	31.51 2.17 0.00	32.07 2.21 0.00	39.65 2.80 0.00	40.38 3.37 0.00	43.43 3.84 0.00	48.28 4.19 0.00	55.45 4.90 0.00	63.32 5.96 0.00	73.38 7.04 -0.58	86.81 8.33 -1.38	130.85 11.87 -16.62	166.58 16.16 -19.03	188.87 17.82 -21.27	216.41 16.94 -54.67	204.28 15.31 -56.96	152.20 11.61 -35.05	98.08 7.53 -19.49	71.26 5.54 -9.77	57.37 4.75 -2.14	47.23 4.06 0.00
PEEKSKILL___ 23653	39.89 3.16 0.00	36.33 2.38 0.00	33.07 2.13 0.00	31.88 2.00 0.00	31.33 2.00 0.00	31.86 2.00 0.00	39.32 2.47 0.00	40.12 3.11 0.00	43.15 3.56 0.00	47.88 3.79 0.00	54.84 4.29 0.00	62.63 5.27 0.00	72.38 5.98 -0.63	85.69 7.09 -1.51	129.40 10.33 -16.71	164.28 13.66 -19.23	186.55 15.43 -21.33	213.34 14.34 -54.20	201.09 12.67 -56.41	149.71 9.60 -34.57	96.36 6.25 -19.04	70.44 4.48 -10.01	56.50 3.99 -2.03	46.71 3.54 0.00
PGE MADISON___WINDPWR 24146	40.75 3.31 -0.71	37.17 2.72 -0.50	33.48 2.26 -0.28	32.30 2.21 -0.20	31.99 2.49 -0.16	32.64 2.57 -0.20	41.31 3.68 -0.77	41.54 4.11 -0.43	44.36 3.96 -0.82	49.33 4.32 -0.92	56.57 4.85 -1.17	64.29 5.27 -1.66	74.35 6.31 -2.27	87.71 7.56 -3.05	120.16 9.22 -8.58	153.49 11.95 -10.15	175.17 14.83 -10.56	183.31 15.50 -23.01	175.99 15.44 -28.54	137.80 13.08 -19.17	92.09 9.03 -12.00	70.71 7.11 -7.65	58.59 5.65 -2.46	48.56 4.45 -0.94

PIERCEFIELD___HYD 23852	33.91 -3.12 -0.31	22.25 -2.51 9.19	21.41 -2.26 7.27	21.09 -2.18 6.61	20.94 -2.20 6.19	20.44 -2.21 7.21	34.67 -2.43 -0.25	34.45 -2.74 -0.18	36.77 -3.17 -0.35	40.87 -3.62 -0.40	46.82 -4.14 -0.42	28.31 -5.05 24.00	30.33 -5.85 29.58	37.67 -6.78 32.64	25.72 -8.70 67.94	28.40 -10.91 92.08	99.35 -12.28 38.15	114.72 -11.87 18.20	122.40 -11.09 -1.48	97.93 -8.87 -1.25	66.17 -5.83 -0.94	51.88 -4.70 -0.63	46.71 -4.24 -0.47	39.73 -3.84 -0.41
PINELAWN_CC_1 323563	54.70 3.78 -14.19	52.42 2.95 -15.51	44.29 2.72 -10.63	41.46 2.60 -8.98	40.26 2.55 -8.37	40.69 2.60 -8.23	42.90 3.28 -2.77	45.38 3.92 -4.45	47.55 4.47 -3.49	50.61 4.76 -1.76	56.38 5.10 -0.73	88.75 6.14 -25.26	88.31 7.04 -15.51	117.95 8.48 -32.38	169.90 12.28 -55.27	250.53 16.16 -102.99	295.13 18.12 -127.23	356.08 17.08 -194.20	303.23 15.31 -155.92	233.98 11.82 -116.62	107.27 7.39 -28.83	84.21 5.49 -22.77	62.36 4.85 -7.03	57.62 4.32 -10.13
PJM_GEN_HTTP_PROXY 323702	40.29 3.56 0.00	36.67 2.72 0.00	33.35 2.41 0.00	32.12 2.24 0.00	31.54 2.20 0.00	33.06 2.24 -0.95	38.74 2.84 0.95	40.67 3.66 0.00	43.80 4.19 -0.02	47.00 4.45 1.54	56.94 4.85 -1.54	63.26 5.91 0.00	73.05 6.64 -0.65	87.72 7.94 -2.68	129.91 11.66 -15.88	166.21 15.23 -19.60	188.57 17.07 -21.72	215.85 15.93 -55.12	203.29 13.86 -57.42	151.27 10.55 -35.18	97.24 6.82 -19.36	73.08 4.81 -12.32	54.77 4.39 0.10	47.10 3.93 0.00
PJM_GEN_KEystone 24065	38.16 1.43 0.00	34.80 0.85 0.00	31.59 0.65 0.00	30.48 0.60 0.00	30.01 0.68 0.00	31.53 0.72 -0.95	35.97 0.55 1.43	37.51 1.03 0.54	41.63 1.50 -0.54	44.17 1.72 1.64	53.54 2.02 -0.97	58.72 2.35 0.98	67.87 2.76 0.66	81.34 3.31 -0.93	113.55 3.79 -7.40	145.44 4.47 -9.59	165.53 5.10 -10.66	179.00 4.77 -29.43	167.42 4.89 -30.53	129.79 4.43 -19.82	84.57 2.98 -10.53	65.50 2.35 -7.20	51.12 2.12 1.48	44.99 1.90 0.08
PJM_GEN_NEPTUNE_PROXY 323594	48.06 3.71 -7.63	45.18 2.88 -8.34	39.22 2.57 -5.71	37.13 2.42 -4.83	36.21 2.38 -4.50	37.66 2.42 -5.38	40.44 3.06 -0.54	43.14 3.74 -2.39	45.70 4.24 -1.87	48.04 4.54 0.60	56.94 4.85 -1.54	74.63 6.02 -11.25	77.05 6.84 -4.45	87.95 8.17 -2.68	138.37 11.87 -24.15	199.45 15.50 -52.57	227.44 17.37 -60.29	277.98 16.21 -116.97	250.71 14.39 -104.31	192.38 11.08 -75.76	97.38 6.97 -19.36	75.37 5.20 -14.21	57.31 4.59 -2.24	50.39 4.10 -3.12
PJM_GEN_VFT_PROXY 323633	40.22 3.49 0.00	36.53 2.58 0.00	33.20 2.26 0.00	31.97 2.09 0.00	31.42 2.08 0.00	32.90 2.09 -0.95	38.59 2.69 0.95	40.53 3.52 0.00	43.64 4.04 -0.02	45.38 4.19 2.90	48.46 4.55 6.63	48.83 5.51 14.03	58.43 6.18 13.51	72.94 10.96 11.56	111.28 14.45 2.03	142.44 16.18 3.40	160.73 15.06 5.23	172.91 13.07 -13.05	156.02 9.92 -10.94	136.41 6.32 -20.95	81.35 4.48 -3.97	60.82 4.09 -0.39	45.76 4.09 8.81	45.80 1.09 1.09
PLATSBURG_115KV_PMLD1 355749	35.37 -1.36 0.00	32.97 -0.98 0.00	30.04 -0.90 0.00	29.08 -0.81 0.00	28.43 -0.91 0.00	28.97 -0.90 0.00	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.77 -1.32 0.00	48.62 -1.92 0.00	53.63 -3.73 0.00	58.41 -4.74 2.62	68.45 -5.47 3.17	88.44 -7.16 6.75	113.81 -8.93 8.64	132.39 -10.19 7.21	129.36 -9.85 5.60	122.37 -9.64 0.00	97.84 -7.70 0.00	65.73 -5.33 0.00	52.09 -3.86 0.00	48.36 -2.12 0.00	40.88 -2.29 0.00
PLEASANTVLY___LBMP 24000	39.48 2.75 0.00	36.06 2.11 0.00	32.86 1.92 0.00	31.71 1.82 0.00	31.12 1.79 0.00	31.65 1.79 0.00	39.10 2.25 0.00	39.75 2.74 0.00	42.68 3.09 0.00	47.35 3.26 0.00	54.29 3.74 0.00	61.83 4.47 0.00	71.65 5.13 -0.76	85.00 6.09 -1.81	129.85 8.80 -18.69	164.69 11.69 -21.61	186.61 13.03 -23.80	216.94 12.16 -59.98	205.86 10.69 -63.16	152.40 8.23 -38.63	97.44 5.26 -21.13	70.77 3.86 -10.96	56.11 3.43 -2.20	46.28 3.11 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	39.96 3.23 0.00	36.43 2.48 0.00	33.17 2.23 0.00	31.97 2.09 0.00	31.39 2.05 0.00	31.92 2.06 0.00	39.47 2.62 0.00	40.27 3.26 0.00	43.31 3.72 0.00	48.06 3.97 0.00	55.09 4.55 0.00	62.80 5.45 0.00	72.60 6.18 -0.66	86.07 7.40 -1.57	130.30 10.75 -17.19	165.50 14.32 -19.80	187.75 16.03 -21.94	215.37 14.91 -55.66	203.18 13.20 -57.97	151.08 10.03 -35.51	97.00 6.40 -19.54	70.90 4.70 -10.25	56.75 4.19 -2.08	46.88 3.71 0.00
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	39.96 3.23 0.00	36.43 2.48 0.00	33.17 2.23 0.00	31.97 2.09 0.00	31.39 2.05 0.00	31.92 2.06 0.00	39.47 2.62 0.00	40.27 3.26 0.00	43.31 3.72 0.00	48.06 3.97 0.00	55.09 4.55 0.00	62.80 5.45 0.00	72.60 6.18 -0.66	86.07 7.40 -1.57	130.30 10.75 -17.19	165.50 14.32 -19.80	187.75 16.03 -21.94	215.37 14.91 -55.66	203.18 13.20 -57.97	151.08 10.03 -35.51	97.00 6.40 -19.54	70.90 4.70 -10.25	56.75 4.19 -2.08	46.88 3.71 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	39.78 3.05 0.00	36.30 2.34 0.00	33.04 2.10 0.00	31.88 2.00 0.00	31.30 1.97 0.00	31.83 1.97 0.00	39.35 2.51 0.00	40.01 3.00 0.00	42.95 3.37 0.00	47.71 3.62 0.00	54.79 4.25 0.00	62.40 5.05 0.00	72.22 5.85 -0.60	85.56 7.02 -1.44	129.80 10.13 -17.31	164.62 13.40 -19.83	187.07 15.13 -22.16	216.53 14.34 -57.40	206.27 12.80 -61.46	153.20 9.71 -37.95	98.62 6.40 -21.17	72.18 4.64 -11.58	56.92 4.09 -2.35	46.71 3.54 0.00
POLETTI_____ 23519	40.33 3.60 0.00	36.67 2.72 0.00	33.32 2.38 0.00	32.12 2.24 0.00	31.53 2.20 0.00	32.07 2.21 0.00	39.69 2.84 0.00	40.67 3.66 0.00	43.76 4.16 -0.02	48.46 4.36 0.00	55.40 4.85 0.00	63.15 5.79 0.00	72.86 6.44 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	166.09 15.11 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.06 10.34 -35.18	97.03 6.61 -19.36	70.87 4.76 -10.16	56.88 4.34 -2.06	47.10 3.93 0.00
POMONA___ESR 323819	39.78 3.05 0.00	36.27 2.31 0.00	33.01 2.07 0.00	31.82 1.94 0.00	31.27 1.94 0.00	31.80 1.94 0.00	39.21 2.36 0.00	40.01 3.00 0.00	43.07 3.48 0.00	47.84 3.75 0.00	54.84 4.29 0.00	62.63 5.27 0.00	72.33 5.98 -0.58	85.65 7.17 -1.39	128.56 10.33 -15.87	163.27 13.66 -18.22	185.49 15.43 -20.28	210.83 14.34 -51.70	198.24 12.67 -53.56	148.00 9.60 -32.86	95.40 6.18 -18.16	69.30 4.42 -8.93	56.38 3.94 -1.96	46.62 3.45 0.00
PORT_JEFF_3 23555	55.41 4.48 -14.20	53.03 3.56 -15.51	44.69 3.12 -10.63	41.82 2.96 -8.98	40.61 2.90 -8.37	41.05 2.96 -8.23	43.34 3.72 -2.77	45.87 4.40 -4.45	48.14 5.07 -3.49	51.18 5.33 -1.76	67.16 5.41 -11.20	138.41 6.42 -74.63	153.58 7.23 -80.58	267.14 8.63 -181.41	243.39 12.48 -128.55	274.15 16.02 -126.74	277.68 17.82 -110.08	343.45 16.64 -182.01	297.13 14.91 -150.21	259.94 11.51 -142.89	242.43 7.32 -164.05	213.96 5.54 -152.46	71.49 4.95 -16.06	56.86 4.19 -9.50
PORT_JEFF_4 23616	55.41 4.48 -14.20	53.03 3.56 -15.51	44.69 3.12 -10.63	41.82 2.96 -8.98	40.61 2.90 -8.37	41.05 2.96 -8.23	43.34 3.72 -2.77	45.87 4.40 -4.45	48.14 5.07 -3.49	51.18 5.33 -1.76	67.16 5.41 -11.20	138.41 6.42 -74.63	153.58 7.23 -80.58	267.14 8.63 -181.41	243.39 12.48 -128.55	274.15 16.02 -126.74	277.68 17.82 -110.08	343.45 16.64 -182.01	297.13 14.91 -150.21	259.94 11.51 -142.89	242.43 7.32 -164.05	213.96 5.54 -152.46	71.49 4.95 -16.06	56.86 4.19 -9.50

PORT_JEFF_IC 23713	55.45 4.52 -14.20	53.10 3.63 -15.51	44.75 3.19 -10.63	41.88 3.02 -8.98	40.64 2.93 -8.37	41.08 2.99 -8.23	43.41 3.80 -2.77	45.98 4.52 -4.45	48.26 5.19 -3.49	51.32 5.47 -1.76	69.07 5.61 -12.91	146.31 6.54 -82.42	164.75 7.43 -91.55	293.77 8.87 -207.80	257.43 12.79 -142.28	280.57 16.55 -132.63	278.92 18.42 -110.71	344.64 17.38 -182.46	297.88 15.45 -150.43	273.78 12.03 -156.21	264.77 7.53 -186.18	235.35 5.71 -173.69	73.26 5.25 -17.54	57.20 4.45 -9.58
PPL PILGRIM_ST_GT1 24216	55.58 4.67 -14.19	53.20 3.74 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.81 3.11 -8.37	41.23 3.13 -8.23	43.60 3.98 -2.77	46.13 4.66 -4.45	48.34 5.27 -3.49	51.50 5.64 -1.76	58.66 5.81 -2.30	102.05 6.76 -37.93	97.78 7.82 -24.19	134.30 9.32 -47.88	176.15 13.51 -60.29	248.54 17.48 -99.68	282.26 19.62 -112.87	347.17 18.39 -183.98	299.64 16.50 -151.13	234.52 12.87 -116.11	128.29 8.10 -49.13	104.24 6.04 -42.24	64.27 5.40 -8.39	85.20 4.96 -37.07
PPL PILGRIM_ST_GT2 24217	55.58 4.67 -14.19	53.20 3.74 -15.51	44.88 3.31 -10.63	42.00 3.14 -8.98	40.81 3.11 -8.37	41.23 3.13 -8.23	43.60 3.98 -2.77	46.13 4.66 -4.45	48.34 5.27 -3.49	51.50 5.64 -1.76	58.66 5.81 -2.30	102.05 6.76 -37.93	97.78 7.82 -24.19	134.30 9.32 -47.88	176.15 13.51 -60.29	248.54 17.48 -99.68	282.26 19.62 -112.87	347.17 18.39 -183.98	299.64 16.50 -151.13	234.52 12.87 -116.11	128.29 8.10 -49.13	104.24 6.04 -42.24	64.27 5.40 -8.39	85.20 4.96 -37.07
PPL_SHRM_GT3 24213	55.44 4.52 -14.20	53.03 3.56 -15.51	44.66 3.09 -10.63	41.79 2.93 -8.98	40.58 2.88 -8.37	41.02 2.93 -8.23	43.30 3.68 -2.77	45.83 4.36 -4.45	48.18 5.11 -3.49	51.14 5.29 -1.76	67.79 5.81 -11.44	140.26 7.17 -75.74	156.24 8.35 -82.13	272.30 10.02 -185.19	247.04 14.13 -130.55	276.78 17.73 -127.66	280.06 19.92 -110.35	344.23 17.22 -182.20	298.15 15.83 -150.30	264.05 13.19 -145.31	246.85 8.67 -167.13	217.97 6.60 -155.42	72.24 5.50 -16.26	57.68 4.71 -9.81
PPL_SHRM_GT4 24214	55.44 4.52 -14.20	53.03 3.56 -15.51	44.66 3.09 -10.63	41.79 2.93 -8.98	40.58 2.88 -8.37	41.02 2.93 -8.23	43.30 3.68 -2.77	45.83 4.36 -4.45	48.18 5.11 -3.49	51.14 5.29 -1.76	67.79 5.81 -11.44	140.26 7.17 -75.74	156.24 8.35 -82.13	272.30 10.02 -185.19	247.04 14.13 -130.55	276.78 17.73 -127.66	280.06 19.92 -110.35	344.23 17.22 -182.20	298.15 15.83 -150.30	264.05 13.19 -145.31	246.85 8.67 -167.13	217.97 6.60 -155.42	72.24 5.50 -16.26	57.68 4.71 -9.81
PROJECT___ORANGE 1 24174	37.84 0.11 -1.00	34.33 -0.07 -0.44	31.01 -0.12 -0.19	29.83 -0.15 -0.10	29.27 -0.12 -0.06	29.89 -0.06 -0.09	37.78 -0.15 -1.08	37.64 0.04 -0.60	40.85 0.12 -1.15	45.64 0.26 -1.29	52.48 0.30 -1.64	59.46 0.46 -1.65	68.76 0.59 -2.40	81.44 0.69 -3.65	106.76 0.41 -3.99	136.92 0.39 -5.14	155.68 0.45 -5.45	150.08 0.72 -4.55	137.87 1.06 -4.81	110.67 1.06 -4.07	74.82 0.71 -3.05	58.61 0.62 -2.04	52.48 0.45 -1.54	44.80 0.30 -1.32
PROJECT___ORANGE 2 24166	37.84 0.11 -1.00	34.33 -0.07 -0.44	31.01 -0.12 -0.19	29.83 -0.15 -0.10	29.27 -0.12 -0.06	29.89 -0.06 -0.09	37.78 -0.15 -1.08	37.64 0.04 -0.60	40.85 0.12 -1.15	45.64 0.26 -1.29	52.48 0.30 -1.64	59.46 0.46 -1.65	68.76 0.59 -2.40	81.44 0.69 -3.65	106.76 0.41 -3.99	136.92 0.39 -5.14	155.68 0.45 -5.45	150.08 0.72 -4.55	137.87 1.06 -4.81	110.67 1.06 -4.07	74.82 0.71 -3.05	58.61 0.62 -2.04	52.48 0.45 -1.54	44.80 0.30 -1.32
PUCKETT___SOLAR 323809	38.85 1.47 -0.65	35.47 1.05 -0.46	32.06 0.87 -0.26	30.91 0.84 -0.19	30.45 0.97 -0.15	31.10 1.04 -0.19	38.81 1.25 -0.71	38.88 1.48 -0.39	41.92 1.59 -0.75	46.70 1.77 -0.84	53.59 1.97 -1.07	61.12 2.23 -1.53	70.49 2.63 -2.09	83.07 3.16 -2.81	113.73 3.48 -7.89	145.04 4.33 -9.33	164.87 5.38 -9.70	171.32 5.80 -20.72	162.32 6.21 -24.10	127.31 5.59 -16.17	85.12 3.91 -10.16	65.56 3.13 -6.48	55.19 2.57 -2.14	46.11 2.07 -0.87
PYRITES___HYD 24023	34.59 -2.42 -0.28	22.30 -1.87 9.79	21.54 -1.67 7.73	21.27 -1.58 7.02	21.23 -1.53 6.58	20.68 -1.52 7.66	35.63 -1.44 -0.22	35.40 -1.78 -0.17	37.62 -2.30 -0.32	41.81 -2.65 -0.36	47.83 -3.08 -0.37	27.89 -3.90 25.57	29.83 -4.47 31.46	38.73 -5.09 33.28	26.87 -6.45 69.03	29.44 -8.15 93.80	103.56 -8.99 37.23	119.32 -8.69 16.79	125.31 -8.05 -1.36	100.36 -6.33 -1.15	67.80 -4.12 -0.86	53.17 -3.36 -0.58	47.73 -3.18 -0.44	40.56 -2.98 -0.37
QUAKERRD_115KV_BK1 80622	36.40 -0.33 0.00	33.28 -0.68 0.00	30.20 -0.74 0.00	29.08 -0.81 0.00	28.60 -0.73 0.00	29.30 -0.57 0.00	35.82 -1.03 0.00	36.19 -0.81 0.00	39.00 -0.59 0.00	43.52 -0.57 0.00	49.84 -0.71 0.00	56.61 -0.75 0.00	64.84 -0.92 0.00	76.17 -0.93 0.00	99.80 -2.56 0.00	127.31 -4.07 0.00	145.14 -4.64 0.00	141.18 -3.62 0.00	129.50 -2.51 0.00	104.59 -0.95 0.00	70.42 -0.64 0.00	55.78 -0.17 0.00	50.28 -0.20 0.00	43.04 -0.13 0.00
QUENSBRY_115KV_TB8 356137	39.67 2.94 0.00	36.43 2.48 0.00	33.10 2.17 0.00	31.91 2.03 0.00	31.33 1.99 0.00	31.92 2.06 0.00	39.50 2.65 0.00	39.82 2.81 0.00	42.64 3.05 0.00	47.79 3.70 0.00	54.44 3.89 0.00	62.17 4.82 0.00	74.32 5.79 -2.77	89.97 6.24 -6.63	186.32 8.60 -75.37	228.37 10.38 -86.60	258.21 12.13 -96.29	453.05 12.60 -295.66	644.81 12.80 -499.99	438.35 10.24 -322.58	265.04 7.18 -186.80	175.08 5.76 -113.36	78.41 4.75 -23.19	46.75 3.58 0.00
RAMAPO___LBMP 323565	39.56 2.83 0.00	36.09 2.14 0.00	32.86 1.92 0.00	31.71 1.82 0.00	31.12 1.79 0.00	31.65 1.79 0.00	39.06 2.21 0.00	39.86 2.85 0.00	42.88 3.29 0.00	47.62 3.53 0.00	54.64 4.09 0.00	62.23 4.88 0.00	71.93 5.59 -0.57	85.10 6.63 -1.37	127.74 9.62 -15.76	162.23 12.74 -18.10	184.15 14.23 -20.14	209.50 13.32 -51.38	196.94 11.75 -53.19	147.04 8.87 -32.63	94.78 5.68 -18.04	68.98 4.14 -8.89	56.06 3.63 -1.95	46.41 3.24 0.00
RANKINE____ 23646	37.21 0.48 0.00	33.79 -0.17 0.00	30.60 -0.34 0.00	29.46 -0.42 0.00	29.07 -0.26 0.00	29.83 -0.03 0.00	36.00 -0.85 0.00	36.34 -0.67 0.00	39.43 -0.16 0.00	44.13 0.04 0.00	50.60 0.05 0.00	57.24 -0.11 0.00	65.57 -0.20 0.00	77.10 0.00 0.00	101.69 -2.46 -1.79	128.20 -5.12 -1.94	146.31 -5.84 -2.37	145.10 -5.21 -5.51	129.52 -2.90 -0.42	105.54 0.00 0.00	71.20 0.14 0.00	56.96 1.01 0.00	51.64 1.16 0.00	44.38 1.21 0.00
RAVENSWOOD_GT2_1 24244	40.37 3.64 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.50 4.41 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.86 6.44 -0.65	86.36 7.71 -1.55	130.74 11.36 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.06 10.34 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.93 4.39 -2.06	47.18 4.01 0.00
RAVENSWOOD_GT2_2 24245	40.37 3.64 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.50 4.41 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.86 6.44 -0.65	86.36 7.71 -1.55	130.74 11.36 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.06 10.34 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.93 4.39 -2.06	47.18 4.01 0.00



RAVENSWOOD_GT2_3 24246	40.40 3.67 0.00	36.74 2.78 0.00	33.41 2.48 0.00	32.21 2.33 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.75 3.74 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	55.50 4.95 0.00	63.20 5.85 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	166.09 15.11 -19.60	188.43 16.93 -21.72	215.70 15.78 -55.12	203.16 13.73 -57.42	151.17 10.45 -35.18	97.10 6.68 -19.36	70.98 4.87 -10.16	56.98 4.44 -2.06	47.23 4.06 0.00
RAVENSWOOD_GT2_4 24247	40.40 3.67 0.00	36.74 2.78 0.00	33.41 2.48 0.00	32.21 2.33 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.75 3.74 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	55.50 4.95 0.00	63.20 5.85 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	166.09 15.11 -19.60	188.43 16.93 -21.72	215.70 15.78 -55.12	203.16 13.73 -57.42	151.17 10.45 -35.18	97.10 6.68 -19.36	70.98 4.87 -10.16	56.98 4.44 -2.06	47.23 4.06 0.00
RAVENSWOOD_GT3_1 24248	40.37 3.64 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.06 10.34 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.93 4.39 -2.06	47.18 4.01 0.00
RAVENSWOOD_GT3_2 24249	40.37 3.64 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.06 10.34 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.93 4.39 -2.06	47.18 4.01 0.00
RAVENSWOOD_GT3_3 24250	40.44 3.71 0.00	36.77 2.82 0.00	33.45 2.51 0.00	32.24 2.36 0.00	31.62 2.29 0.00	32.16 2.30 0.00	39.83 2.98 0.00	40.78 3.77 0.00	43.92 4.32 -0.02	48.63 4.54 0.00	55.60 5.05 0.00	63.32 5.96 0.00	73.05 6.64 -0.65	86.59 7.94 -1.55	131.04 11.67 -17.02	166.35 15.37 -19.60	188.73 17.22 -21.72	215.99 16.07 -55.12	203.42 13.99 -57.42	151.38 10.66 -35.18	97.24 6.82 -19.36	71.04 4.92 -10.16	57.08 4.54 -2.06	47.27 4.10 0.00
RAVENSWOOD_GT3_4 24251	40.44 3.71 0.00	36.77 2.82 0.00	33.45 2.51 0.00	32.24 2.36 0.00	31.62 2.29 0.00	32.16 2.30 0.00	39.83 2.98 0.00	40.78 3.77 0.00	43.92 4.32 -0.02	48.63 4.54 0.00	55.60 5.05 0.00	63.32 5.96 0.00	73.05 6.64 -0.65	86.59 7.94 -1.55	131.04 11.67 -17.02	166.35 15.37 -19.60	188.73 17.22 -21.72	215.99 16.07 -55.12	203.42 13.99 -57.42	151.38 10.66 -35.18	97.24 6.82 -19.36	71.04 4.92 -10.16	57.08 4.54 -2.06	47.27 4.10 0.00
RAVENSWOOD_GT_1 23729	46.78 3.82 -6.23	36.92 2.95 -0.01	33.54 2.60 0.00	32.33 2.45 0.00	31.74 2.41 0.00	32.22 2.36 0.00	39.87 3.02 0.00	40.89 3.89 0.00	44.00 4.39 -0.02	48.59 4.50 0.00	55.40 4.85 0.00	65.54 5.79 -2.39	73.16 6.38 -1.02	86.28 7.63 -1.55	130.74 11.36 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.27 15.35 -55.12	202.76 13.33 -57.42	150.74 10.03 -35.17	96.81 6.40 -19.36	70.80 4.70 -10.15	56.87 4.34 -2.05	47.36 4.19 0.00
RAVENSWOOD_GT_10 24258	40.36 3.64 0.00	36.70 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.17 10.45 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.98 4.44 -2.06	47.18 4.01 0.00
RAVENSWOOD_GT_11 24259	40.36 3.64 0.00	36.70 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.17 10.45 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.98 4.44 -2.06	47.18 4.01 0.00
RAVENSWOOD_GT_4 24252	45.06 3.60 -4.73	36.70 2.75 0.01	33.38 2.44 0.00	32.18 2.30 0.00	31.57 2.23 0.00	32.10 2.24 0.00	39.72 2.87 0.00	40.67 3.66 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.50 4.95 0.00	65.03 5.85 -1.82	73.27 6.58 -0.93	86.51 7.86 -1.55	130.94 11.57 -17.02	166.09 15.11 -19.60	188.43 16.93 -21.72	215.70 15.78 -55.12	203.29 13.86 -57.42	151.27 10.55 -35.18	97.17 6.75 -19.36	70.97 4.87 -10.15	56.98 4.44 -2.05	47.14 3.97 0.00
RAVENSWOOD_GT_5 24254	45.06 3.60 -4.73	36.70 2.75 0.01	33.38 2.44 0.00	32.18 2.30 0.00	31.57 2.23 0.00	32.10 2.24 0.00	39.72 2.87 0.00	40.67 3.66 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.50 4.95 0.00	65.03 5.85 -1.82	73.27 6.58 -0.93	86.51 7.86 -1.55	130.94 11.57 -17.02	166.09 15.11 -19.60	188.43 16.93 -21.72	215.70 15.78 -55.12	203.29 13.86 -57.42	151.27 10.55 -35.18	97.17 6.75 -19.36	70.97 4.87 -10.15	56.98 4.44 -2.05	47.14 3.97 0.00
RAVENSWOOD_GT_6 24253	45.06 3.60 -4.73	36.70 2.75 0.01	33.38 2.44 0.00	32.18 2.30 0.00	31.57 2.23 0.00	32.10 2.24 0.00	39.72 2.87 0.00	40.67 3.66 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.50 4.95 0.00	65.03 5.85 -1.82	73.27 6.58 -0.93	86.51 7.86 -1.55	130.94 11.57 -17.02	166.09 15.11 -19.60	188.43 16.93 -21.72	215.70 15.78 -55.12	203.29 13.86 -57.42	151.27 10.55 -35.18	97.17 6.75 -19.36	70.97 4.87 -10.15	56.98 4.44 -2.05	47.14 3.97 0.00
RAVENSWOOD_GT_7 24255	45.06 3.60 -4.73	36.70 2.75 0.01	33.38 2.44 0.00	32.18 2.30 0.00	31.57 2.23 0.00	32.10 2.24 0.00	39.72 2.87 0.00	40.67 3.66 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.50 4.95 0.00	65.03 5.85 -1.82	73.27 6.58 -0.93	86.51 7.86 -1.55	130.94 11.57 -17.02	166.09 15.11 -19.60	188.43 16.93 -21.72	215.70 15.78 -55.12	203.29 13.86 -57.42	151.27 10.55 -35.18	97.17 6.75 -19.36	70.97 4.87 -10.15	56.98 4.44 -2.05	47.14 3.97 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	40.36 3.64 0.00	36.70 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.17 10.45 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.98 4.44 -2.06	47.18 4.01 0.00
RAVENSWOOD_GT_9 24257	40.36 3.64 0.00	36.70 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.80 4.20 -0.02	48.54 4.45 0.00	55.45 4.90 0.00	63.15 5.79 0.00	72.92 6.51 -0.65	86.43 7.79 -1.55	130.84 11.46 -17.02	165.96 14.98 -19.60	188.28 16.78 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.17 10.45 -35.18	97.03 6.61 -19.36	70.92 4.81 -10.16	56.98 4.44 -2.06	47.18 4.01 0.00

RAVENSWOOD___1 23533	40.59 3.86 -0.01	36.88 2.92 -0.01	33.54 2.60 0.00	32.30 2.42 0.00	31.71 2.38 0.00	32.22 2.36 0.00	39.87 3.02 0.00	40.86 3.85 0.00	43.96 4.35 -0.02	48.59 4.50 0.00	55.25 4.70 0.00	63.14 5.79 0.00	72.86 6.45 -0.65	86.21 7.56 -1.55	130.63 11.26 -17.02	165.69 14.71 -19.60	187.98 16.48 -21.72	215.12 15.20 -55.12	202.63 13.20 -57.42	150.63 9.92 -35.17	96.81 6.40 -19.36	70.75 4.64 -10.15	56.88 4.34 -2.06	47.31 4.14 0.00
RAVENSWOOD___2 23534	40.49 3.75 -0.01	36.82 2.85 -0.01	33.44 2.50 0.00	32.21 2.33 0.00	31.65 2.32 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.79 3.78 0.00	43.88 4.28 -0.02	48.46 4.37 0.00	54.89 4.35 0.00	62.63 5.27 0.00	72.26 5.85 -0.65	85.51 6.86 -1.55	129.71 10.33 -17.02	164.52 13.54 -19.60	186.48 14.98 -21.72	213.82 13.90 -55.12	201.32 11.89 -57.42	149.68 8.97 -35.17	96.17 5.75 -19.36	70.24 4.14 -10.15	56.48 3.94 -2.06	47.23 4.06 0.00
RAVENSWOOD___3 23535	40.40 3.67 0.00	36.74 2.78 0.00	33.42 2.48 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.71 3.70 0.00	43.84 4.24 -0.02	48.54 4.45 0.00	55.35 4.80 0.00	63.21 5.85 0.00	72.92 6.51 -0.65	86.43 7.78 -1.55	130.84 11.46 -17.02	165.95 14.97 -19.60	188.27 16.77 -21.72	215.56 15.64 -55.12	203.03 13.60 -57.42	151.07 10.35 -35.18	97.10 6.68 -19.36	70.92 4.81 -10.16	56.98 4.44 -2.06	47.18 4.02 0.00
RAVENSWOOD___4 23820	34.43 3.82 6.12	36.85 2.88 -0.01	33.50 2.57 0.00	32.27 2.39 0.00	31.68 2.35 0.00	32.19 2.33 0.00	39.83 2.98 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.54 4.45 0.00	55.19 4.65 0.00	60.73 5.73 2.36	72.43 6.38 -0.28	86.12 7.48 -1.55	130.53 11.16 -17.02	165.56 14.58 -19.60	187.83 16.33 -21.72	215.12 15.20 -55.12	202.50 13.07 -57.42	150.63 9.92 -35.17	96.81 6.40 -19.36	70.70 4.59 -10.16	56.84 4.29 -2.07	47.27 4.10 0.00
RCPL_TRUST___DRP 24196	40.33 3.60 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.75 3.74 0.00	43.92 4.32 -0.02	48.68 4.59 0.00	55.70 5.16 0.00	63.43 6.08 0.00	73.25 6.84 -0.65	86.90 8.25 -1.55	131.35 11.98 -17.02	166.75 15.77 -19.60	189.17 17.67 -21.72	216.42 16.51 -55.12	203.82 14.39 -57.42	151.59 10.87 -35.18	97.31 6.89 -19.36	71.15 5.04 -10.16	57.08 4.54 -2.06	47.18 4.01 0.00
RED___ROCHESTER 323720	37.43 0.70 0.00	34.16 0.20 0.00	30.97 0.03 0.00	29.88 0.00 0.00	29.31 -0.03 0.00	30.04 0.18 0.00	36.67 -0.18 0.00	37.05 0.04 0.00	40.07 0.48 0.00	44.75 0.66 0.00	51.25 0.71 0.00	57.99 0.63 0.00	66.62 0.85 0.00	78.33 1.23 0.00	102.46 0.10 0.00	130.47 -0.91 0.00	148.89 -0.89 0.00	144.65 -0.14 0.00	132.94 0.93 0.00	107.65 2.11 0.00	72.40 1.35 0.00	57.46 1.51 0.00	51.74 1.26 0.00	44.38 1.21 0.00
REGAN___SOLAR 323812	42.24 5.51 0.00	38.81 4.86 0.00	35.15 4.21 0.00	33.89 4.01 0.00	33.32 3.99 0.00	34.07 4.21 0.00	42.27 5.42 0.00	42.71 5.70 0.00	45.68 6.09 0.00	51.23 7.14 0.00	58.88 8.34 0.00	67.33 9.98 0.00	79.05 11.83 -1.45	93.98 13.41 -3.47	179.91 17.61 -59.94	220.16 21.28 -67.49	251.79 24.57 -77.45	423.68 26.06 -252.82	595.13 25.22 -437.90	410.69 20.06 -285.09	252.42 13.35 -168.01	170.44 10.63 -103.85	81.41 9.08 -21.85	49.90 6.73 0.00
RENSSELAER___COGEN 23796	38.20 1.47 0.00	35.18 1.22 0.00	32.08 1.15 0.00	30.99 1.11 0.00	30.42 1.09 0.00	30.94 1.07 0.00	38.14 1.29 0.00	38.49 1.48 0.00	41.01 1.42 0.00	45.63 1.54 0.00	52.21 1.67 0.00	59.13 1.78 0.00	55.26 1.97 12.48	49.57 2.31 29.84	19.53 3.58 86.41	19.53 4.60 116.45	55.26 5.24 99.76	17.86 4.93 131.87	5.19 4.22 131.04	54.10 3.06 54.51	76.49 1.99 -3.45	86.64 1.45 -29.24	64.50 1.66 -12.35	45.02 1.85 0.00
REPUBLIC_115KV_BARTNBRK 55605	42.31 5.58 0.00	38.78 4.82 0.00	35.09 4.15 0.00	33.80 3.91 0.00	33.18 3.84 0.00	33.89 4.03 0.00	41.86 5.01 0.00	42.15 5.14 0.00	45.29 5.70 0.00	51.01 6.92 0.00	58.13 7.58 0.00	66.65 9.29 0.00	79.52 10.92 -2.84	96.14 12.26 -6.79	194.84 16.68 -75.80	238.42 19.84 -87.19	269.79 23.22 -96.79	465.10 24.18 -296.12	655.70 23.76 -499.93	447.11 19.21 -322.36	270.68 13.15 -186.47	179.67 10.69 -113.04	82.49 8.93 -23.08	49.86 6.69 0.00
REVERE_CPPR_DRP 24186	38.63 1.40 -0.50	34.63 1.12 0.45	31.44 0.93 0.43	30.32 0.87 0.43	29.94 1.03 0.42	30.46 1.08 0.48	39.01 1.62 -0.54	39.16 1.85 -0.30	41.91 1.74 -0.58	46.68 1.94 -0.65	53.54 2.17 -0.82	58.43 2.01 0.93	67.45 2.50 0.82	88.55 3.01 -8.44	122.53 3.89 -16.28	156.85 4.99 -20.47	176.50 6.29 -20.42	168.14 6.52 -16.82	140.90 6.47 -2.43	112.98 5.38 -2.05	76.36 3.77 -1.54	60.39 3.41 -1.03	53.93 2.68 -0.78	45.91 2.07 -0.67
REYNOLDS_115KV_TB3 80639	38.49 1.76 0.00	35.42 1.46 0.00	32.33 1.39 0.00	31.23 1.34 0.00	30.65 1.32 0.00	31.18 1.31 0.00	38.40 1.55 0.00	38.75 1.74 0.00	41.33 1.74 0.00	46.03 1.94 0.00	52.72 2.17 0.00	59.82 2.47 0.00	76.78 2.89 -8.12	99.91 3.39 -19.42	216.37 4.91 -109.10	270.65 6.31 -132.95	291.67 7.19 -134.70	478.54 6.66 -327.08	620.28 5.81 -482.46	406.56 4.54 -296.48	229.41 2.91 -155.44	141.60 2.24 -83.41	66.36 2.12 -13.76	45.33 2.16 0.00
RIVERBAY____ 323610	40.96 4.22 -0.01	37.43 3.46 -0.01	34.01 3.06 -0.01	32.79 2.90 -0.01	32.19 2.85 -0.01	32.55 2.69 0.00	40.09 3.24 0.00	41.08 4.07 0.00	44.16 4.55 -0.02	48.76 4.67 0.00	55.64 5.11 0.01	63.37 6.02 0.01	73.05 6.64 -0.64	86.58 7.94 -1.54	131.56 12.18 -17.02	167.14 16.16 -19.60	189.47 17.97 -21.72	216.72 16.80 -55.12	204.08 14.65 -57.42	151.80 11.08 -35.17	97.66 7.25 -19.36	71.59 5.48 -10.15	57.64 5.10 -2.06	48.05 4.88 -0.01
RIVERSDE_115KV_TB3 55908	38.42 1.69 0.00	35.35 1.39 0.00	32.27 1.33 0.00	31.17 1.28 0.00	30.60 1.26 0.00	31.12 1.25 0.00	38.36 1.51 0.00	38.67 1.67 0.00	41.29 1.70 0.00	45.99 1.90 0.00	52.72 2.17 0.00	59.71 2.35 0.00	71.80 2.70 -3.33	88.23 3.16 -7.98	171.60 4.71 -64.54	213.36 6.04 -75.93	237.88 6.74 -81.36	376.05 6.37 -224.88	486.38 5.54 -348.82	330.60 4.22 -220.83	197.45 2.70 -123.69	130.99 2.07 -72.96	66.48 2.07 -13.93	45.28 2.12 0.00
ROARING___BROOK_WT_PWR 323790	36.10 -0.62 0.00	33.65 -0.54 -0.24	30.67 -0.46 -0.19	29.58 -0.48 -0.17	29.00 -0.50 -0.16	29.57 -0.48 -0.19	36.30 -0.55 0.00	36.42 -0.59 0.00	38.95 -0.63 0.00	43.38 -0.71 0.00	49.74 -0.81 0.00	56.96 -1.03 -0.64	66.41 -1.25 -1.90	75.99 -1.70 -0.59	101.19 -2.35 -1.18	129.88 -3.15 -1.65	146.57 -3.60 -0.38	141.32 -3.48 0.00	128.71 -3.30 0.00	102.80 -2.74 0.00	69.14 -1.92 0.00	54.61 -1.34 0.00	49.32 -1.16 0.00	42.13 -1.04 0.00
ROCHESRG_115KV_T4 355643	37.02 0.29 0.00	33.79 -0.17 0.00	30.66 -0.28 0.00	29.52 -0.36 0.00	29.04 -0.29 0.00	29.74 -0.12 0.00	36.26 -0.59 0.00	36.64 -0.37 0.00	39.51 -0.08 0.00	44.09 0.00 0.00	50.49 -0.05 0.00	57.30 -0.06 0.00	65.63 -0.13 0.00	77.02 -0.08 0.00	100.72 -1.64 0.00	128.23 -3.15 0.00	146.19 -3.59 0.00	142.05 -2.75 0.00	130.56 -1.45 0.00	105.75 0.21 0.00	71.27 0.21 0.00	56.62 0.67 0.00	51.14 0.66 0.00	43.82 0.65 0.00

ROCHESTER_9_IC 23652	37.28 0.55 0.00	34.02 0.07 0.00	30.85 -0.09 0.00	29.70 -0.18 0.00	29.22 -0.12 0.00	29.92 0.06 0.00	36.52 -0.33 0.00	36.90 -0.11 0.00	39.83 0.24 0.00	44.44 0.35 0.00	50.90 0.35 0.00	57.76 0.40 0.00	66.16 0.39 0.00	77.71 0.62 0.00	101.64 -0.72 0.00	129.42 -1.97 0.00	147.69 -2.10 0.00	143.50 -1.30 0.00	131.74 -0.26 0.00	106.70 1.16 0.00	71.84 0.78 0.00	57.13 1.17 0.00	51.49 1.01 0.00	44.12 0.95 0.00
ROCKVIEW_13_KV_LD 356306	40.25 3.53 0.00	36.64 2.68 0.00	33.32 2.38 0.00	32.12 2.24 0.00	31.53 2.20 0.00	32.10 2.24 0.00	39.69 2.84 0.00	40.56 3.55 0.00	43.67 4.08 0.00	48.41 4.32 0.00	55.50 4.95 0.00	63.26 5.91 0.00	73.12 6.71 -0.65	86.66 8.02 -1.55	131.15 11.77 -17.02	166.49 15.50 -19.60	189.03 17.52 -21.72	216.14 16.22 -55.12	203.82 14.39 -57.42	151.70 10.98 -35.18	97.46 7.03 -19.37	71.26 5.15 -10.16	57.08 4.54 -2.06	47.18 4.01 0.00
ROME____115KV_TB2 80656	38.63 1.40 -0.50	34.63 1.12 0.45	31.44 0.93 0.43	30.32 0.87 0.43	29.94 1.03 0.42	30.46 1.08 0.48	39.01 1.62 -0.54	39.16 1.85 -0.30	41.91 1.74 -0.58	46.68 1.94 -0.65	53.54 2.17 -0.82	58.43 2.01 0.93	67.45 2.50 0.82	88.55 3.01 -8.44	122.53 3.89 -16.28	156.85 4.99 -20.47	176.50 6.29 -20.42	168.14 6.52 -16.82	140.90 6.47 -2.43	112.98 5.38 -2.05	76.36 3.77 -1.54	60.39 3.41 -1.03	53.93 2.68 -0.78	45.91 2.07 -0.67
ROSETON____1 23587	39.37 2.65 0.00	35.96 2.00 0.00	32.76 1.82 0.00	31.59 1.70 0.00	31.04 1.70 0.00	31.56 1.70 0.00	38.95 2.10 0.00	39.64 2.63 0.00	42.56 2.97 0.00	47.22 3.13 0.00	54.13 3.59 0.00	61.71 4.36 0.00	71.27 4.93 -0.57	84.32 5.86 -1.36	127.03 8.49 -16.18	161.10 11.16 -18.55	183.07 12.58 -20.71	209.41 11.72 -52.88	196.40 10.30 -54.09	146.53 7.81 -33.18	94.56 5.12 -18.38	68.76 3.69 -9.11	55.81 3.33 -2.00	46.15 2.98 0.00
ROSETON____2 23588	39.37 2.65 0.00	35.96 2.00 0.00	32.76 1.82 0.00	31.59 1.70 0.00	31.04 1.70 0.00	31.56 1.70 0.00	38.95 2.10 0.00	39.64 2.63 0.00	42.56 2.97 0.00	47.22 3.13 0.00	54.13 3.59 0.00	61.71 4.36 0.00	71.27 4.93 -0.57	84.32 5.86 -1.36	127.03 8.49 -16.18	161.10 11.16 -18.55	183.07 12.58 -20.71	209.41 11.72 -52.88	196.40 10.30 -54.09	146.53 7.81 -33.18	94.56 5.12 -18.38	68.76 3.69 -9.11	55.81 3.33 -2.00	46.15 2.98 0.00
ROTTDAM_115KV_TB3 80664	38.57 1.84 0.00	35.48 1.53 0.00	32.33 1.39 0.00	31.23 1.34 0.00	30.65 1.32 0.00	31.18 1.31 0.00	38.47 1.62 0.00	38.79 1.78 0.00	41.45 1.86 0.00	46.21 2.12 0.00	52.92 2.38 0.00	60.22 2.87 0.00	70.78 3.35 -1.66	84.92 3.85 -3.97	175.79 5.32 -68.11	214.92 6.83 -76.70	245.55 7.79 -87.98	440.30 7.67 -287.82	640.12 7.13 -500.98	437.48 5.70 -326.24	267.15 3.84 -192.25	177.84 3.02 -118.87	78.10 2.62 -25.00	45.37 2.20 0.00
RUSSELL____1 23602	37.50 0.77 0.00	34.19 0.24 0.00	31.00 0.06 0.00	29.85 -0.03 0.00	29.36 0.03 0.00	30.07 0.21 0.00	36.70 -0.15 0.00	37.12 0.11 0.00	40.06 0.48 0.00	44.75 0.66 0.00	51.25 0.71 0.00	58.16 0.80 0.00	66.62 0.85 0.00	78.33 1.23 0.00	102.46 0.10 0.00	130.47 -0.92 0.00	148.88 -0.90 0.00	144.80 0.00 0.00	132.93 0.92 0.00	107.65 2.11 0.00	72.41 1.35 0.00	57.52 1.57 0.00	51.84 1.36 0.00	44.38 1.21 0.00
RUSSELL____2 23532	37.50 0.77 0.00	34.19 0.24 0.00	31.00 0.06 0.00	29.85 -0.03 0.00	29.36 0.03 0.00	30.07 0.21 0.00	36.70 -0.15 0.00	37.12 0.11 0.00	40.06 0.48 0.00	44.75 0.66 0.00	51.25 0.71 0.00	58.16 0.80 0.00	66.62 0.85 0.00	78.33 1.23 0.00	102.46 0.10 0.00	130.47 -0.92 0.00	148.88 -0.90 0.00	144.80 0.00 0.00	132.93 0.92 0.00	107.65 2.11 0.00	72.41 1.35 0.00	57.52 1.57 0.00	51.84 1.36 0.00	44.38 1.21 0.00
RUSSELL____3 23549	37.50 0.77 0.00	34.19 0.24 0.00	31.00 0.06 0.00	29.85 -0.03 0.00	29.36 0.03 0.00	30.07 0.21 0.00	36.70 -0.15 0.00	37.12 0.11 0.00	40.06 0.48 0.00	44.75 0.66 0.00	51.25 0.71 0.00	58.16 0.80 0.00	66.62 0.85 0.00	78.33 1.23 0.00	102.46 0.10 0.00	130.47 -0.92 0.00	148.88 -0.90 0.00	144.80 0.00 0.00	132.93 0.92 0.00	107.65 2.11 0.00	72.41 1.35 0.00	57.52 1.57 0.00	51.84 1.36 0.00	44.38 1.21 0.00
RUSSELL____4 23556	37.50 0.77 0.00	34.19 0.24 0.00	31.00 0.06 0.00	29.85 -0.03 0.00	29.36 0.03 0.00	30.07 0.21 0.00	36.70 -0.15 0.00	37.12 0.11 0.00	40.06 0.48 0.00	44.75 0.66 0.00	51.25 0.71 0.00	58.16 0.80 0.00	66.62 0.85 0.00	78.33 1.23 0.00	102.46 0.10 0.00	130.47 -0.92 0.00	148.88 -0.90 0.00	144.80 0.00 0.00	132.93 0.92 0.00	107.65 2.11 0.00	72.41 1.35 0.00	57.52 1.57 0.00	51.84 1.36 0.00	44.38 1.21 0.00
RUSSELL____STATION 23914	37.50 0.77 0.00	34.19 0.24 0.00	31.00 0.06 0.00	29.85 -0.03 0.00	29.36 0.03 0.00	30.07 0.21 0.00	36.70 -0.15 0.00	37.12 0.11 0.00	40.06 0.48 0.00	44.75 0.66 0.00	51.25 0.71 0.00	58.16 0.80 0.00	66.62 0.85 0.00	78.33 1.23 0.00	102.46 0.10 0.00	130.47 -0.92 0.00	148.88 -0.90 0.00	144.80 0.00 0.00	132.93 0.92 0.00	107.65 2.11 0.00	72.41 1.35 0.00	57.52 1.57 0.00	51.84 1.36 0.00	44.38 1.21 0.00
S SALMON____HYD 24043	38.61 -0.48 -2.36	34.04 -0.58 -0.66	30.50 -0.59 -0.15	29.25 -0.60 0.04	28.69 -0.53 0.12	29.23 -0.54 0.10	38.85 -0.55 -2.56	38.01 -0.41 -1.41	41.78 -0.52 -2.71	46.56 -0.57 -3.04	53.70 -0.71 -3.86	59.55 -0.69 -2.89	69.36 -0.72 -4.31	76.07 -0.85 0.19	91.37 -1.74 9.25	116.91 -2.50 11.97	141.59 -2.55 5.65	139.62 -2.03 3.15	142.32 -1.06 -11.37	114.86 -0.32 -9.63	78.20 -0.07 -7.21	60.83 0.06 -4.82	54.03 -0.10 -3.65	46.04 -0.26 -3.13
S.PERRY__115KV_TB1 80734	38.71 1.98 0.00	35.18 1.22 0.00	31.87 0.93 0.00	30.66 0.78 0.00	30.19 0.85 0.00	31.00 1.13 0.00	37.81 0.96 0.00	38.16 1.15 0.00	39.55 -0.04 0.00	43.91 -0.18 0.00	50.04 -0.51 0.00	56.61 -0.75 0.00	62.21 -3.55 0.00	72.63 -4.47 0.00	96.74 -7.47 -1.86	123.41 -9.99 -2.01	141.75 -10.48 -2.45	142.25 -8.25 -5.70	127.56 -4.88 -0.43	103.96 -1.58 0.00	70.28 -0.78 0.00	57.97 2.01 0.00	51.94 1.46 0.00	44.33 1.17 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	36.84 0.11 0.00	33.48 -0.48 0.00	30.32 -0.62 0.00	29.23 -0.66 0.00	28.84 -0.50 0.00	29.56 -0.30 0.00	35.63 -1.22 0.00	35.90 -1.11 0.00	38.96 -0.63 0.00	43.56 -0.53 0.00	49.89 -0.66 0.00	56.44 -0.92 0.00	64.65 -1.12 0.00	75.86 -1.23 0.00	99.97 -4.09 -1.70	126.00 -7.23 -1.84	143.64 -8.39 -2.25	142.50 -7.53 -5.23	127.39 -5.02 -0.40	103.96 -1.58 0.00	70.21 -0.85 0.00	56.18 0.22 0.00	51.03 0.56 0.00	43.90 0.73 0.00
SAWYER____23_KV_LOAD 55526	36.84 0.11 0.00	33.48 -0.48 0.00	30.32 -0.62 0.00	29.23 -0.66 0.00	28.84 -0.50 0.00	29.56 -0.30 0.00	35.63 -1.22 0.00	35.90 -1.11 0.00	38.96 -0.63 0.00	43.56 -0.53 0.00	49.89 -0.66 0.00	56.44 -0.92 0.00	64.65 -1.12 0.00	75.86 -1.23 0.00	99.97 -4.09 -1.70	126.00 -7.23 -1.84	143.64 -8.39 -2.25	142.50 -7.53 -5.23	127.39 -5.02 -0.40	103.96 -1.58 0.00	70.21 -0.85 0.00	56.18 0.22 0.00	51.03 0.56 0.00	43.90 0.73 0.00

SELKIRK___I 23801	38.31 1.58 0.00	35.35 1.39 0.00	32.24 1.30 0.00	31.14 1.25 0.00	30.57 1.23 0.00	31.06 1.20 0.00	38.28 1.44 0.00	38.53 1.52 0.00	40.97 1.38 0.00	45.54 1.45 0.00	52.06 1.51 0.00	59.07 1.72 0.00	60.26 0.66 6.16	63.05 0.69 14.74	70.64 1.33 33.04	86.12 1.84 47.10	115.47 2.25 36.56	122.16 2.31 24.95	123.35 2.11 10.77	115.27 1.59 -8.15	95.01 1.07 -22.89	84.76 0.84 -27.97	61.68 2.17 -9.03	45.24 2.07 0.00
SELKIRK___II 23799	37.94 1.21 0.00	34.94 0.99 0.00	31.90 0.96 0.00	30.81 0.93 0.00	30.25 0.91 0.00	30.76 0.90 0.00	37.92 1.07 0.00	38.23 1.22 0.00	40.78 1.19 0.00	45.37 1.28 0.00	51.91 1.37 0.00	58.90 1.55 0.00	60.13 1.58 7.21	61.70 1.85 17.25	63.72 2.86 41.50	76.88 3.67 58.18	107.45 4.19 46.52	107.92 3.91 40.79	107.92 3.30 27.39	107.92 2.43 0.05	93.69 1.64 -20.99	86.19 1.18 -29.07	62.06 1.81 -9.77	45.02 1.85 0.00
SENECA OSWGO___HYD 24041	39.83 -0.22 -3.32	35.61 -0.37 -2.02	31.64 -0.37 -1.07	30.22 -0.39 -0.73	29.54 -0.35 -0.56	30.27 -0.30 -0.71	40.01 -0.44 -3.60	38.73 -0.26 -1.98	43.16 -0.24 -3.81	48.19 -0.18 -4.28	55.73 -0.25 -5.44	64.11 -0.17 -6.93	75.27 -0.13 -9.64	88.81 -0.15 -11.87	114.26 -0.61 -12.52	146.89 -0.91 -16.42	164.20 -0.89 -15.31	156.51 -0.58 -12.29	147.85 -0.13 -15.98	119.29 0.21 -13.54	81.41 0.21 -10.14	62.84 0.11 -6.77	55.66 0.05 -5.13	47.53 -0.04 -4.40
SENECA___115KV_TB3 355854	37.28 0.55 0.00	33.85 -0.10 0.00	30.66 -0.28 0.00	29.52 -0.36 0.00	29.13 -0.21 0.00	29.89 0.03 0.00	36.08 -0.77 0.00	36.42 -0.59 0.00	39.51 -0.08 0.00	44.22 0.13 0.00	50.70 0.15 0.00	57.35 0.00 0.00	65.76 0.00 0.00	77.25 0.15 0.00	101.90 -2.25 -1.79	128.46 -4.86 -1.94	146.61 -5.54 -2.37	145.39 -4.92 -5.51	129.92 -2.51 -0.42	105.75 0.21 0.00	71.34 0.28 0.00	57.07 1.12 0.00	51.74 1.26 0.00	44.46 1.30 0.00
SENECA___ENERGY 23797	38.49 0.44 -1.32	34.78 0.07 -0.75	31.32 0.00 -0.38	30.11 -0.03 -0.25	29.55 0.03 -0.19	30.26 0.15 -0.24	38.32 0.04 -1.43	38.06 0.26 -0.79	41.54 0.44 -1.51	46.45 0.66 -1.70	53.47 0.76 -2.16	60.84 0.86 -2.62	70.43 0.99 -3.68	83.56 1.23 -5.23	108.65 0.21 -6.09	139.18 -0.13 -7.93	157.40 0.15 -7.47	152.26 1.45 -6.02	140.61 2.24 -6.35	113.35 2.43 -5.38	76.87 1.78 -4.03	60.04 1.40 -2.69	53.63 1.11 -2.04	45.74 0.82 -1.75
SHOEMAKER___GT 23640	39.15 2.42 0.00	35.79 1.83 0.00	32.61 1.67 0.00	31.44 1.55 0.00	30.89 1.55 0.00	31.44 1.58 0.00	38.76 1.91 0.00	39.38 2.37 0.00	42.28 2.69 0.00	46.95 2.86 0.00	53.83 3.28 0.00	61.31 3.95 0.00	70.73 4.47 -0.49	83.67 5.39 -1.17	124.34 7.68 -14.31	157.88 10.12 -16.37	179.63 11.53 -18.32	202.82 11.00 -47.02	190.14 9.77 -48.36	142.76 7.49 -29.72	92.56 4.97 -16.53	67.82 3.58 -8.29	55.53 3.23 -1.82	45.97 2.80 0.00
SHOEMAKR_138KV_BK 111 55601	39.12 2.39 0.00	35.75 1.80 0.00	32.58 1.64 0.00	31.44 1.55 0.00	30.89 1.55 0.00	31.42 1.55 0.00	38.77 1.92 0.00	39.38 2.37 0.00	42.28 2.69 0.00	46.96 2.87 0.00	53.88 3.34 0.00	61.31 3.96 0.00	70.79 4.54 -0.48	83.65 5.40 -1.16	124.27 7.78 -14.14	157.81 10.25 -16.18	179.57 11.68 -18.11	202.31 11.00 -46.50	189.57 9.77 -47.80	142.41 7.49 -29.38	92.30 4.90 -16.34	67.74 3.58 -8.21	55.46 3.18 -1.80	45.93 2.76 0.00
SHOREHAM_IC_1 23715	55.44 4.52 -14.20	53.03 3.56 -15.51	44.66 3.09 -10.63	41.79 2.93 -8.98	40.58 2.88 -8.37	41.02 2.93 -8.23	43.30 3.68 -2.77	45.83 4.36 -4.45	48.18 5.11 -3.49	51.14 5.29 -1.76	67.79 5.81 -11.44	140.26 7.17 -75.74	156.24 8.35 -82.13	272.30 10.02 -185.19	247.04 14.13 -130.55	276.78 17.73 -127.66	280.06 19.92 -110.35	344.23 17.22 -182.20	298.15 15.83 -150.30	264.05 13.19 -145.31	246.85 8.67 -167.13	217.97 6.60 -155.42	72.24 5.50 -16.26	57.68 4.71 -9.81
SHOREHAM_IC_2 23716	55.44 4.52 -14.20	53.03 3.56 -15.51	44.66 3.09 -10.63	41.79 2.93 -8.98	40.58 2.88 -8.37	41.02 2.93 -8.23	43.30 3.68 -2.77	45.83 4.36 -4.45	48.18 5.11 -3.49	51.14 5.29 -1.76	67.79 5.81 -11.44	140.26 7.17 -75.74	156.24 8.35 -82.13	272.30 10.02 -185.19	247.04 14.13 -130.55	276.78 17.73 -127.66	280.06 19.92 -110.35	344.23 17.22 -182.20	298.15 15.83 -150.30	264.05 13.19 -145.31	246.85 8.67 -167.13	217.97 6.60 -155.42	72.24 5.50 -16.26	57.68 4.71 -9.81
SISSONVILLE____ 23735	33.91 -3.12 -0.31	22.25 -2.51 9.19	21.41 -2.26 7.27	21.09 -2.18 6.61	20.94 -2.20 6.19	20.44 -2.21 7.21	34.67 -2.43 -0.25	34.45 -2.74 -0.18	36.77 -3.17 -0.35	40.87 -3.62 -0.40	46.82 -4.14 -0.42	28.31 -5.05 24.00	30.33 -5.85 29.58	37.67 -6.78 32.64	25.72 -8.70 67.94	28.40 -10.91 92.08	99.35 -12.28 38.15	114.72 -11.87 18.20	122.40 -11.09 -1.48	97.93 -8.87 -1.25	66.17 -5.83 -0.94	51.88 -4.70 -0.63	46.71 -4.24 -0.47	39.73 -3.84 -0.41
SITHE_IND_GS1 24169	26.26 -0.84 9.63	26.26 -0.92 6.78	26.26 -0.87 3.81	26.29 -0.84 2.76	26.29 -0.82 2.22	26.29 -0.80 2.77	25.36 -1.03 10.46	30.33 -0.92 5.75	27.60 -0.95 11.04	30.68 -1.01 12.40	33.60 -1.16 15.78	33.60 -1.26 22.49	33.60 -1.45 30.72	34.10 -1.70 41.30	49.10 -2.55 50.70	61.41 -3.42 66.56	89.42 -3.90 56.46	97.44 -3.48 43.89	82.76 -2.90 46.34	64.17 -2.11 39.26	40.30 -1.35 29.41	35.24 -1.06 19.65	34.60 -1.01 14.87	29.49 -0.91 12.77
SITHE_IND_GS2 24170	26.26 -0.84 9.63	26.26 -0.92 6.78	26.26 -0.87 3.81	26.29 -0.84 2.76	26.29 -0.82 2.22	26.29 -0.80 2.77	25.36 -1.03 10.46	30.33 -0.92 5.75	27.60 -0.95 11.04	30.68 -1.01 12.40	33.60 -1.16 15.78	33.60 -1.26 22.49	33.60 -1.45 30.72	34.10 -1.70 41.30	49.10 -2.55 50.70	61.41 -3.42 66.56	89.42 -3.90 56.46	97.44 -3.48 43.89	82.76 -2.90 46.34	64.17 -2.11 39.26	40.30 -1.35 29.41	35.24 -1.06 19.65	34.60 -1.01 14.87	29.49 -0.91 12.77
SITHE_IND_GS3 24171	26.26 -0.84 9.63	26.26 -0.92 6.78	26.26 -0.87 3.81	26.29 -0.84 2.76	26.29 -0.82 2.22	26.29 -0.80 2.77	25.36 -1.03 10.46	30.33 -0.92 5.75	27.60 -0.95 11.04	30.68 -1.01 12.40	33.60 -1.16 15.78	33.60 -1.26 22.49	33.60 -1.45 30.72	34.10 -1.70 41.30	49.10 -2.55 50.70	61.41 -3.42 66.56	89.42 -3.90 56.46	97.44 -3.48 43.89	82.76 -2.90 46.34	64.17 -2.11 39.26	40.30 -1.35 29.41	35.24 -1.06 19.65	34.60 -1.01 14.87	29.49 -0.91 12.77
SITHE_IND_GS4 24172	26.26 -0.84 9.63	26.26 -0.92 6.78	26.26 -0.87 3.81	26.29 -0.84 2.76	26.29 -0.82 2.22	26.29 -0.80 2.77	25.36 -1.03 10.46	30.33 -0.92 5.75	27.60 -0.95 11.04	30.68 -1.01 12.40	33.60 -1.16 15.78	33.60 -1.26 22.49	33.60 -1.45 30.72	34.10 -1.70 41.30	49.10 -2.55 50.70	61.41 -3.42 66.56	89.42 -3.90 56.46	97.44 -3.48 43.89	82.76 -2.90 46.34	64.17 -2.11 39.26	40.30 -1.35 29.41	35.24 -1.06 19.65	34.60 -1.01 14.87	29.49 -0.91 12.77
SITHE___BATAVIA 24024	37.68 0.95 0.00	34.26 0.30 0.00	31.00 0.06 0.00	29.94 0.06 0.00	29.42 0.09 0.00	30.22 0.36 0.00	36.63 -0.22 0.00	36.97 -0.04 0.00	40.10 0.51 0.00	44.71 0.62 0.00	51.15 0.61 0.00	56.61 -0.75 0.00	65.11 -0.66 0.00	76.56 -0.54 0.00	99.49 -2.87 0.00	125.99 -5.39 0.00	143.79 -6.00 0.00	140.02 -4.77 0.00	129.64 -2.37 0.00	105.65 0.11 0.00	71.27 0.21 0.00	57.74 1.79 0.00	52.09 1.61 0.00	44.85 1.68 0.00

SITHE___INDEPEND 23800	26.26 -0.84 9.63	26.26 -0.92 6.78	26.26 -0.87 3.81	26.26 -0.87 2.76	26.29 -0.82 2.22	26.29 -0.81 2.77	25.36 -1.03 10.46	30.33 -0.93 5.75	27.60 -0.95 11.04	30.67 -1.01 12.40	33.60 -1.16 15.78	33.60 -1.26 22.49	33.60 -1.45 30.72	34.10 -1.70 41.30	49.10 -2.56 50.70	61.41 -3.42 66.56	89.43 -3.89 56.46	97.44 -3.48 43.89	82.76 -2.90 46.34	64.17 -2.11 39.26	40.23 -1.42 29.41	35.24 -1.06 19.65	34.60 -1.01 14.87	29.50 -0.91 12.77
SITHE___MASSENA 23902	34.82 -1.91 0.00	18.78 -1.42 13.75	18.87 -1.27 10.80	18.90 -1.20 9.79	18.92 -1.26 9.15	17.91 -1.28 10.67	35.32 -1.40 0.12	35.27 -1.74 0.00	37.57 -2.02 0.00	41.84 -2.25 0.00	48.00 -2.43 0.12	18.13 -3.10 36.13	17.94 -3.68 44.15	34.79 -4.32 37.99	20.09 -5.43 76.84	18.62 -6.84 105.93	110.26 -7.63 31.89	129.18 -7.54 8.08	124.75 -7.26 0.00	99.63 -5.91 0.00	67.08 -3.98 0.00	52.87 -3.08 0.00	47.70 -2.78 0.00	40.71 -2.46 0.00
SITHE___OGDNSBRG 24021	34.60 -2.13 0.00	21.26 -1.60 11.10	20.80 -1.42 8.72	20.64 -1.34 7.90	20.60 -1.35 7.38	19.91 -1.34 8.61	35.46 -1.29 0.10	35.34 -1.67 0.00	37.49 -2.10 0.00	41.62 -2.47 0.00	47.61 -2.83 0.10	24.59 -3.61 29.15	25.78 -4.14 35.84	36.72 -4.86 35.52	23.83 -6.14 72.38	25.14 -7.49 98.75	104.72 -8.24 36.82	121.85 -7.82 15.13	124.62 -7.39 0.00	99.84 -5.70 0.00	67.36 -3.70 0.00	52.93 -3.02 0.00	47.65 -2.83 0.00	40.54 -2.63 0.00
SITHE___STERLING 23777	38.56 1.28 -0.54	34.82 1.02 0.15	31.57 0.84 0.20	30.47 0.81 0.22	30.02 0.91 0.23	30.56 0.96 0.26	38.80 1.36 -0.59	38.92 1.59 -0.32	41.75 1.54 -0.62	46.56 1.77 -0.70	53.40 1.97 -0.89	58.89 1.66 0.13	67.99 2.10 -0.12	85.49 2.54 -5.85	116.06 3.18 -10.53	148.73 4.08 -13.27	168.19 5.10 -13.31	160.99 5.21 -10.98	139.91 5.29 -2.61	112.19 4.43 -2.21	75.77 3.05 -1.66	60.02 2.96 -1.11	53.69 2.37 -0.84	45.74 1.85 -0.72
SLEIGHT___34_KV_TB1 80719	37.46 0.37 -0.37	34.18 -0.03 -0.26	30.93 -0.15 -0.15	29.75 -0.24 -0.11	29.24 -0.18 -0.08	29.97 0.00 -0.11	37.03 -0.22 -0.40	37.27 0.04 -0.22	40.29 0.28 -0.42	45.00 0.44 -0.47	51.65 0.51 -0.60	58.84 0.63 -0.86	67.66 0.72 -1.17	79.67 1.00 -1.58	104.39 0.10 -1.93	133.40 -0.53 -2.54	151.49 -0.45 -2.15	146.76 0.29 -1.67	134.83 1.06 -1.77	108.73 1.69 -1.50	73.32 1.14 -1.12	57.82 1.12 -0.75	51.95 0.91 -0.57	44.35 0.69 -0.49
SOUTH CAIRO___GT 23612	39.67 2.94 0.00	36.50 2.55 0.00	33.26 2.32 0.00	32.12 2.24 0.00	31.53 2.20 0.00	32.10 2.24 0.00	39.72 2.87 0.00	39.82 2.81 0.00	42.20 2.61 0.00	46.96 2.87 0.00	53.63 3.08 0.00	60.57 3.21 0.00	63.02 3.68 6.43	66.19 4.47 15.37	71.95 6.65 37.06	87.99 8.54 51.93	118.71 10.48 41.56	118.18 11.15 37.77	112.49 10.82 30.34	110.14 8.65 4.05	92.68 5.33 -16.29	83.89 3.75 -24.19	62.94 4.09 -8.37	47.05 3.89 0.00
SOUTH HAMPTN___IC 23720	56.14 5.21 -14.20	53.68 4.21 -15.51	45.22 3.65 -10.63	42.32 3.46 -8.98	41.08 3.37 -8.37	41.53 3.43 -8.23	43.93 4.31 -2.77	46.53 5.07 -4.45	49.09 6.02 -3.49	52.07 6.22 -1.76	68.63 7.13 -10.96	139.61 8.71 -73.54	155.19 10.39 -79.04	267.17 12.33 -177.74	245.81 16.79 -126.66	278.52 21.16 -125.98	283.72 23.82 -110.12	349.13 22.29 -182.04	302.17 19.94 -150.22	262.65 15.73 -141.39	241.99 10.02 -160.91	213.29 7.89 -149.45	72.84 6.51 -15.85	58.47 5.61 -9.69
SOUTHDOW___115KV_TB1 355954	38.42 1.69 0.00	34.80 0.85 0.00	31.47 0.53 0.00	30.30 0.42 0.00	29.95 0.62 0.00	30.76 0.90 0.00	37.25 0.41 0.00	37.97 0.96 0.00	41.17 1.58 0.00	46.07 1.98 0.00	53.02 2.48 0.00	59.88 2.52 0.00	68.86 3.09 0.00	81.03 3.93 0.00	106.67 2.35 -1.96	134.56 1.05 -2.12	153.12 0.75 -2.59	151.70 0.87 -6.03	135.50 3.04 -0.46	110.08 4.54 0.00	74.26 3.20 0.00	59.25 3.30 0.00	53.41 2.93 0.00	45.80 2.63 0.00
SOUTHOLD_69_KV_BK 2 55809	56.73 5.80 -14.20	54.22 4.75 -15.51	45.74 4.18 -10.63	42.83 3.97 -8.98	41.49 3.78 -8.37	41.95 3.85 -8.23	44.48 4.86 -2.77	47.20 5.74 -4.45	49.92 6.85 -3.49	52.07 6.22 -1.76	68.99 7.48 -10.96	140.10 9.18 -73.57	157.14 12.30 -79.08	269.35 14.42 -177.84	246.27 17.20 -126.72	279.33 21.94 -126.00	284.33 24.41 -110.13	349.87 23.02 -182.04	302.70 20.46 -150.23	263.04 16.04 -141.46	241.85 9.81 -160.99	214.54 9.06 -149.53	73.85 7.52 -15.85	59.22 6.35 -9.70
SOUTHOLD___IC 23719	56.73 5.80 -14.20	54.22 4.75 -15.51	45.74 4.18 -10.63	42.80 3.94 -8.98	41.49 3.79 -8.37	41.97 3.88 -8.23	44.48 4.86 -2.77	47.20 5.74 -4.45	49.93 6.85 -3.49	52.07 6.22 -1.76	68.94 7.43 -10.96	140.10 9.17 -73.57	157.14 12.29 -79.08	269.35 14.41 -177.84	246.26 17.19 -126.72	279.33 21.94 -126.00	284.48 24.57 -110.13	349.87 23.03 -182.04	302.70 20.46 -150.23	262.94 15.94 -141.46	241.92 9.87 -160.99	214.54 9.06 -149.53	73.75 7.42 -15.85	59.22 6.35 -9.70
SOUTH_FORK_WT_PWR 323839	56.58 5.65 -14.20	54.12 4.65 -15.51	45.68 4.12 -10.63	42.74 3.88 -8.98	41.43 3.73 -8.37	41.89 3.79 -8.23	44.37 4.76 -2.77	47.13 5.66 -4.45	49.89 6.81 -3.49	52.46 6.61 -1.76	69.39 7.88 -10.96	140.61 9.70 -73.56	156.99 12.16 -79.06	268.99 14.11 -177.79	246.85 17.81 -126.69	279.98 22.61 -125.99	285.23 25.32 -110.13	350.45 23.61 -182.04	303.22 20.99 -150.22	263.21 16.25 -141.42	242.02 10.02 -160.95	214.05 8.61 -149.49	73.34 7.01 -15.85	58.91 6.04 -9.69
SPIERFLS_115KV_TB 1 80737	39.37 2.64 0.00	36.16 2.21 0.00	32.86 1.92 0.00	31.68 1.79 0.00	31.09 1.76 0.00	31.68 1.82 0.00	39.17 2.32 0.00	39.49 2.48 0.00	42.28 2.69 0.00	47.40 3.31 0.00	53.93 3.39 0.00	61.54 4.19 0.00	73.48 5.00 -2.72	88.91 5.32 -6.50	184.73 7.37 -75.01	226.43 8.93 -86.11	256.15 10.48 -95.88	451.07 11.00 -295.27	643.27 11.22 -500.04	437.27 8.97 -322.76	264.52 6.40 -187.07	174.68 5.09 -113.64	77.95 4.19 -23.28	46.36 3.19 0.00
ST LAWRENCE____ 23600	35.15 -1.58 0.00	33.87 -1.15 -1.07	30.68 -1.05 -0.80	29.62 -0.99 -0.72	28.98 -1.03 -0.68	29.60 -1.05 -0.79	35.68 -1.18 -0.01	35.49 -1.52 0.00	37.93 -1.66 0.00	42.24 -1.85 0.00	48.48 -2.07 -0.01	57.51 -2.64 -2.80	63.20 -3.16 -0.59	73.16 -3.62 0.31	96.70 -4.71 0.95	124.85 -5.91 0.62	138.28 -6.74 4.77	133.41 -6.51 4.88	125.81 -6.20 0.00	100.37 -5.17 0.00	67.58 -3.48 0.00	53.27 -2.68 0.00	48.16 -2.32 0.00	41.10 -2.07 0.00
STATE_CA_115KV_115_LB 55624	38.53 1.80 0.00	35.45 1.49 0.00	32.33 1.39 0.00	31.23 1.34 0.00	30.65 1.32 0.00	31.18 1.31 0.00	38.43 1.58 0.00	38.75 1.74 0.00	41.41 1.82 0.00	46.16 2.07 0.00	52.87 2.33 0.00	59.88 2.52 0.00	69.60 2.89 -0.94	82.73 3.39 -2.24	152.18 5.02 -44.81	187.87 6.31 -50.18	215.03 7.19 -58.06	338.63 6.81 -187.03	446.57 5.81 -308.75	310.73 4.43 -200.75	192.52 2.91 -118.55	132.61 2.24 -74.42	68.20 2.22 -15.50	45.41 2.24 0.00
STATE_ST_34_KV_LOAD 55959	38.92 0.66 -1.53	35.22 0.37 -0.89	31.65 0.25 -0.46	30.37 0.18 -0.31	29.80 0.23 -0.23	30.52 0.36 -0.30	38.88 0.37 -1.66	38.52 0.59 -0.91	42.02 0.67 -1.76	46.95 0.88 -1.97	54.12 1.06 -2.51	61.83 1.38 -3.10	71.61 1.51 -4.33	85.07 1.85 -6.12	111.37 1.84 -7.17	142.70 1.97 -9.34	161.02 2.55 -8.69	155.11 3.33 -6.98	142.94 3.56 -7.37	115.06 3.27 -6.24	78.01 2.27 -4.68	60.87 1.79 -3.13	54.31 1.46 -2.37	46.24 1.04 -2.03

STATION 5_MISC_HYD 23604	37.21 0.48 0.00	33.96 0.00 0.00	30.82 -0.12 0.00	29.73 -0.15 0.00	29.19 -0.15 0.00	29.89 0.03 0.00	36.48 -0.37 0.00	36.82 -0.18 0.00	39.83 0.24 0.00	44.44 0.35 0.00	50.90 0.36 0.00	57.58 0.23 0.00	66.10 0.33 0.00	77.71 0.61 0.00	101.65 -0.71 0.00	129.42 -1.97 0.00	147.69 -2.10 0.00	143.49 -1.31 0.00	131.88 -0.13 0.00	106.70 1.16 0.00	71.91 0.86 0.00	57.01 1.06 0.00	51.44 0.96 0.00	44.12 0.95 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	37.93 0.81 -0.39	34.57 0.34 -0.28	31.28 0.19 -0.16	30.08 0.09 -0.11	29.57 0.15 -0.09	30.30 0.33 -0.11	37.42 0.15 -0.43	37.69 0.44 -0.23	40.79 0.75 -0.45	45.57 0.97 -0.50	52.25 1.06 -0.64	59.53 1.26 -0.92	68.40 1.38 -1.25	80.55 1.77 -1.68	105.34 0.92 -2.06	134.49 0.39 -2.71	152.83 0.75 -2.30	148.47 1.88 -1.79	136.53 2.64 -1.89	110.09 2.96 -1.60	74.24 1.99 -1.20	58.60 1.85 -0.80	52.60 1.51 -0.61	44.90 1.21 -0.52
STA_56_34_KV_BUS2_REV_LBMP_B 345033	37.06 0.33 0.00	33.85 -0.10 0.00	30.69 -0.25 0.00	29.55 -0.33 0.00	29.07 -0.26 0.00	29.77 -0.09 0.00	36.37 -0.48 0.00	36.79 -0.22 0.00	39.67 0.08 0.00	44.27 0.18 0.00	50.75 0.20 0.00	57.58 0.23 0.00	65.96 0.20 0.00	77.48 0.39 0.00	101.44 -0.92 0.00	129.28 -2.10 0.00	147.39 -2.40 0.00	143.21 -1.59 0.00	131.48 -0.53 0.00	106.39 0.84 0.00	71.56 0.50 0.00	56.85 0.90 0.00	51.24 0.76 0.00	43.86 0.69 0.00
STA_56____34_KV_BUS2 355983	37.06 0.33 0.00	33.85 -0.10 0.00	30.69 -0.25 0.00	29.55 -0.33 0.00	29.07 -0.26 0.00	29.77 -0.09 0.00	36.37 -0.48 0.00	36.79 -0.22 0.00	39.67 0.08 0.00	44.27 0.18 0.00	50.75 0.20 0.00	57.58 0.23 0.00	65.96 0.20 0.00	77.48 0.39 0.00	101.44 -0.92 0.00	129.28 -2.10 0.00	147.39 -2.40 0.00	143.21 -1.59 0.00	131.48 -0.53 0.00	106.39 0.84 0.00	71.56 0.50 0.00	56.85 0.90 0.00	51.24 0.76 0.00	43.86 0.69 0.00
STA_67____115KV_BK2 355882	37.17 0.44 0.00	33.92 -0.03 0.00	30.78 -0.15 0.00	29.61 -0.27 0.00	29.16 -0.18 0.00	29.86 0.00 0.00	36.41 -0.44 0.00	36.79 -0.22 0.00	39.71 0.12 0.00	44.31 0.22 0.00	50.75 0.20 0.00	57.58 0.23 0.00	65.96 0.20 0.00	77.41 0.31 0.00	101.33 -1.02 0.00	128.89 -2.50 0.00	147.09 -2.70 0.00	142.92 -1.88 0.00	131.35 -0.66 0.00	106.39 0.84 0.00	71.63 0.57 0.00	56.96 1.01 0.00	51.34 0.86 0.00	43.99 0.82 0.00
STA_7____115KV_9TRANS 80674	37.50 0.77 0.00	34.19 0.24 0.00	31.00 0.06 0.00	29.85 -0.03 0.00	29.36 0.03 0.00	30.07 0.21 0.00	36.70 -0.15 0.00	37.12 0.11 0.00	40.06 0.48 0.00	44.75 0.66 0.00	51.25 0.71 0.00	58.16 0.80 0.00	66.62 0.85 0.00	78.33 1.23 0.00	102.46 0.10 0.00	130.47 -0.92 0.00	148.88 -0.90 0.00	144.80 0.00 0.00	132.93 0.92 0.00	107.65 2.11 0.00	72.41 1.35 0.00	57.52 1.57 0.00	51.84 1.36 0.00	44.38 1.21 0.00
STA_82____115KV_TB1 80780	37.17 0.44 0.00	33.96 0.00 0.00	30.78 -0.15 0.00	29.64 -0.24 0.00	29.16 -0.18 0.00	29.86 0.00 0.00	36.44 -0.41 0.00	36.82 -0.19 0.00	39.71 0.12 0.00	44.36 0.26 0.00	50.75 0.20 0.00	57.58 0.23 0.00	65.96 0.20 0.00	77.48 0.39 0.00	101.33 -1.02 0.00	129.02 -2.36 0.00	147.09 -2.70 0.00	142.92 -1.88 0.00	131.35 -0.66 0.00	106.39 0.84 0.00	71.63 0.57 0.00	56.96 1.01 0.00	51.39 0.91 0.00	43.99 0.82 0.00
STEEL____WIND 323596	37.17 0.44 0.00	33.79 -0.17 0.00	30.60 -0.34 0.00	29.58 -0.30 0.00	29.10 -0.24 0.00	29.83 -0.03 0.00	36.07 -0.78 0.00	36.30 -0.70 0.00	39.47 -0.12 0.00	44.18 0.09 0.00	50.65 0.10 0.00	57.01 -0.34 0.00	65.63 -0.13 0.00	77.17 0.08 0.00	101.69 -2.46 -1.79	128.33 -4.99 -1.94	146.31 -5.84 -2.37	145.24 -5.07 -5.51	129.79 -2.64 -0.42	105.65 0.11 0.00	71.34 0.29 0.00	56.96 1.01 0.00	51.59 1.11 0.00	44.42 1.25 0.00
STEPHTWN_115KV_BK_2 55603	38.68 1.95 0.00	35.58 1.63 0.00	32.46 1.52 0.00	31.35 1.46 0.00	30.74 1.41 0.00	31.30 1.43 0.00	38.62 1.77 0.00	38.97 1.96 0.00	41.57 1.98 0.00	46.34 2.25 0.00	53.02 2.48 0.00	60.05 2.70 0.00	56.38 3.09 12.48	50.88 3.62 29.84	21.48 5.53 86.41	22.03 7.09 116.45	58.26 8.24 99.76	20.90 7.96 131.87	7.97 7.00 131.04	56.31 5.28 54.51	77.92 3.41 -3.45	87.87 2.69 -29.24	65.51 2.68 -12.35	45.76 2.59 0.00
STEUBEN_REC_LFGE 323667	38.54 1.32 -0.49	34.81 0.51 -0.35	31.44 0.31 -0.19	30.26 0.24 -0.14	29.80 0.35 -0.11	30.54 0.54 -0.14	37.49 0.11 -0.53	37.67 0.37 -0.29	40.79 0.63 -0.56	45.78 1.06 -0.63	52.56 1.21 -0.81	59.71 1.20 -1.15	67.92 0.59 -1.57	79.13 -0.08 -2.11	105.07 -2.35 -5.07	133.66 -3.81 -6.08	153.54 -2.40 -6.16	157.10 0.43 -11.86	147.37 2.64 -12.72	117.98 3.80 -8.64	79.34 2.77 -5.51	62.22 2.74 -3.53	53.76 1.97 -1.31	45.37 1.55 -0.65
STILLWATER____SOLAR 323814	39.41 2.68 0.00	36.23 2.28 0.00	32.98 2.04 0.00	31.82 1.94 0.00	31.24 1.91 0.00	31.80 1.94 0.00	39.24 2.39 0.00	39.56 2.55 0.00	42.24 2.65 0.00	47.22 3.13 0.00	53.98 3.44 0.00	61.54 4.18 0.00	74.01 5.00 -3.25	90.49 5.63 -7.76	188.60 7.78 -78.47	231.94 9.72 -90.83	260.86 11.24 -99.84	455.24 11.44 -299.00	642.40 10.83 -499.57	435.10 8.55 -321.01	261.36 5.83 -184.47	171.55 4.59 -111.01	76.83 3.94 -22.41	46.36 3.19 0.00
STONY____BROOK 24151	55.56 4.63 -14.20	53.17 3.70 -15.51	44.78 3.22 -10.63	41.91 3.05 -8.98	40.70 2.99 -8.37	41.14 3.05 -8.23	43.45 3.83 -2.77	46.01 4.55 -4.45	48.34 5.27 -3.49	51.45 5.60 -1.76	70.43 5.81 -14.07	151.93 6.94 -87.64	172.64 7.95 -98.93	312.04 9.48 -225.47	267.40 13.62 -151.43	285.46 17.61 -136.47	280.46 19.77 -110.91	346.09 18.69 -182.61	299.14 16.63 -150.50	282.90 12.87 -164.49	280.26 8.10 -201.10	250.10 6.15 -188.00	74.36 5.35 -18.53	57.10 4.66 -9.27
STURGEON_POOL_HYD 23609	39.59 2.86 0.00	36.09 2.14 0.00	32.86 1.92 0.00	31.71 1.82 0.00	31.12 1.79 0.00	31.62 1.76 0.00	39.06 2.21 0.00	39.78 2.78 0.00	42.80 3.21 0.00	47.49 3.39 0.00	54.54 3.99 0.00	62.23 4.88 0.00	70.52 5.98 1.23	81.40 7.25 2.94	114.94 10.44 -2.14	145.36 13.93 -0.04	169.59 15.58 -4.23	187.44 14.62 -28.01	174.81 12.94 -29.87	137.32 9.82 -21.96	93.81 5.90 -16.86	72.94 4.08 -12.91	57.36 3.38 -3.50	46.41 3.24 0.00
ST_LAW_115_BK7_LBMP 345037	35.00 -1.73 0.00	33.96 -1.29 -1.29	30.81 -1.14 -1.02	29.70 -1.11 -0.92	29.05 -1.14 -0.86	29.70 -1.17 -1.00	35.57 -1.29 -0.01	35.34 -1.66 0.00	37.77 -1.82 0.00	42.06 -2.03 0.00	48.28 -2.27 -0.01	57.89 -2.87 -3.40	63.64 -3.42 -1.30	73.00 -4.01 0.08	96.68 -5.11 0.56	124.95 -6.43 0.00	137.13 -7.34 5.32	132.01 -7.09 5.70	125.28 -6.73 0.00	99.94 -5.60 0.00	67.29 -3.77 0.00	53.04 -2.91 0.00	47.96 -2.52 0.00	40.88 -2.29 0.00
ST_LAW_115_BK8_LBMP 345038	35.00 -1.73 0.00	33.96 -1.29 -1.29	30.81 -1.14 -1.02	29.70 -1.11 -0.92	29.05 -1.14 -0.86	29.70 -1.17 -1.00	35.57 -1.29 -0.01	35.34 -1.66 0.00	37.77 -1.82 0.00	42.06 -2.03 0.00	48.28 -2.27 -0.01	57.89 -2.87 -3.40	63.64 -3.42 -1.30	73.00 -4.01 0.08	96.68 -5.11 0.56	124.95 -6.43 0.00	137.13 -7.34 5.32	132.01 -7.09 5.70	125.28 -6.73 0.00	99.94 -5.60 0.00	67.29 -3.77 0.00	53.04 -2.91 0.00	47.96 -2.52 0.00	40.88 -2.29 0.00

ST_LAW_230_BK5_LBMP 345035	35.15 -1.58 0.00	33.56 -1.15 -0.76	30.48 -1.05 -0.59	29.43 -0.99 -0.54	28.81 -1.03 -0.50	29.40 -1.05 -0.59	35.68 -1.18 -0.01	35.49 -1.52 0.00	37.93 -1.66 0.00	42.24 -1.85 0.00	48.48 -2.07 -0.01	56.70 -2.64 -1.98	62.23 -3.16 0.38	72.89 -3.62 0.58	96.18 -4.71 1.47	124.02 -5.91 1.46	138.72 -6.74 4.32	134.02 -6.51 4.27	125.81 -6.20 0.00	100.37 -5.17 0.00	67.58 -3.48 0.00	53.27 -2.68 0.00	48.16 -2.32 0.00	41.10 -2.07 0.00
ST_LAW_230_BK6_LBMP 345036	35.15 -1.58 0.00	33.56 -1.15 -0.76	30.48 -1.05 -0.59	29.43 -0.99 -0.54	28.81 -1.03 -0.50	29.40 -1.05 -0.59	35.68 -1.18 -0.01	35.49 -1.52 0.00	37.93 -1.66 0.00	42.24 -1.85 0.00	48.48 -2.07 -0.01	56.70 -2.64 -1.98	62.23 -3.16 0.38	72.89 -3.62 0.58	96.18 -4.71 1.47	124.02 -5.91 1.46	138.72 -6.74 4.32	134.02 -6.51 4.27	125.81 -6.20 0.00	100.37 -5.17 0.00	67.58 -3.48 0.00	53.27 -2.68 0.00	48.16 -2.32 0.00	41.10 -2.07 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	39.41 2.68 0.00	35.96 2.00 0.00	32.73 1.79 0.00	31.59 1.70 0.00	31.04 1.70 0.00	31.56 1.70 0.00	38.95 2.10 0.00	39.64 2.63 0.00	42.64 3.05 0.00	47.35 3.26 0.00	54.39 3.84 0.00	61.94 4.59 0.00	71.48 5.20 -0.52	84.58 6.24 -1.24	126.22 9.01 -14.86	160.37 11.96 -17.02	182.28 13.48 -19.02	206.14 12.60 -48.74	193.48 11.22 -50.25	144.96 8.55 -30.87	93.67 5.47 -17.14	68.48 3.97 -8.56	55.84 3.48 -1.88	46.23 3.06 0.00
SWANROAD_115KV_TB1 355699	36.25 -0.48 0.00	32.97 -0.98 0.00	29.89 -1.05 0.00	28.78 -1.11 0.00	28.40 -0.94 0.00	29.15 -0.72 0.00	35.01 -1.84 0.00	35.16 -1.85 0.00	38.12 -1.46 0.00	42.64 -1.45 0.00	48.73 -1.82 0.00	55.06 -2.29 0.00	63.00 -2.76 0.00	73.94 -3.16 0.00	97.12 -6.86 -1.62	122.37 -10.77 -1.76	139.34 -12.58 -2.14	138.35 -11.44 -4.99	123.94 -8.45 -0.38	101.32 -4.22 0.00	68.50 -2.56 0.00	54.94 -1.01 0.00	49.97 -0.50 0.00	43.08 -0.09 0.00
SYNERGY___BIOGAS 323694	37.68 0.95 0.00	34.26 0.30 0.00	31.00 0.06 0.00	29.94 0.06 0.00	29.42 0.09 0.00	30.22 0.36 0.00	36.63 -0.22 0.00	36.97 -0.04 0.00	40.10 0.51 0.00	44.71 0.62 0.00	51.15 0.61 0.00	56.61 -0.75 0.00	65.11 -0.66 0.00	76.56 -0.54 0.00	99.49 -2.87 0.00	125.99 -5.39 0.00	143.79 -6.00 0.00	140.02 -4.77 0.00	129.64 -2.37 0.00	105.65 0.11 0.00	71.27 0.21 0.00	57.74 1.79 0.00	52.09 1.61 0.00	44.85 1.68 0.00
SYRACUSE___ENERGY_ST1 323597	38.86 0.29 -1.83	35.13 0.10 -1.07	31.52 0.03 -0.55	30.25 0.00 -0.37	29.64 0.03 -0.28	30.31 0.09 -0.35	38.88 0.04 -1.99	38.33 0.22 -1.10	41.97 0.28 -2.10	46.90 0.44 -2.36	54.06 0.51 -3.01	61.80 0.75 -3.70	71.80 0.85 -5.18	85.43 1.00 -7.33	111.95 1.02 -8.57	143.60 1.05 -11.17	161.54 1.35 -10.41	154.76 1.59 -8.37	142.82 1.98 -8.83	114.82 1.79 -7.48	77.87 1.21 -5.61	60.65 0.95 -3.75	54.07 0.76 -2.83	46.16 0.56 -2.43
SYRACUSE___ENERGY_ST2 323598	38.86 0.29 -1.83	35.13 0.10 -1.07	31.52 0.03 -0.55	30.25 0.00 -0.37	29.64 0.03 -0.28	30.31 0.09 -0.35	38.88 0.04 -1.99	38.33 0.22 -1.10	41.97 0.28 -2.10	46.90 0.44 -2.36	54.06 0.51 -3.01	61.80 0.75 -3.70	71.80 0.85 -5.18	85.43 1.00 -7.33	111.95 1.02 -8.57	143.60 1.05 -11.17	161.54 1.35 -10.41	154.76 1.59 -8.37	142.82 1.98 -8.83	114.82 1.79 -7.48	77.87 1.21 -5.61	60.65 0.95 -3.75	54.07 0.76 -2.83	46.16 0.56 -2.43
SYRACUSE___POWER 24017	38.04 0.07 -1.23	34.49 -0.10 -0.63	31.09 -0.15 -0.30	29.89 -0.18 -0.18	29.32 -0.15 -0.13	29.94 -0.09 -0.17	38.00 -0.18 -1.34	37.78 0.04 -0.74	41.09 0.08 -1.42	45.90 0.22 -1.59	52.87 0.30 -2.02	60.07 0.46 -2.26	69.51 0.53 -3.22	82.51 0.69 -4.72	108.21 0.51 -5.35	138.71 0.39 -6.93	157.25 0.60 -6.87	151.30 0.87 -5.63	139.14 1.19 -5.95	111.74 1.16 -5.04	75.61 0.78 -3.77	59.09 0.62 -2.52	52.84 0.45 -1.91	45.07 0.26 -1.64
TALLMAN___138KV_BK151 55660	39.70 2.98 0.00	36.20 2.24 0.00	32.95 2.01 0.00	31.80 1.91 0.00	31.21 1.88 0.00	31.77 1.91 0.00	39.17 2.32 0.00	39.97 2.96 0.00	43.03 3.44 0.00	47.79 3.70 0.00	54.89 4.35 0.00	62.57 5.22 0.00	72.25 5.92 -0.57	85.55 7.09 -1.36	128.28 10.24 -15.69	162.93 13.53 -18.01	185.11 15.28 -20.05	210.16 14.19 -51.17	197.38 12.41 -52.96	147.43 9.39 -32.50	95.07 6.04 -17.97	69.24 4.42 -8.87	56.26 3.84 -1.94	46.58 3.41 0.00
TEALLAVE_115KV_TB7 355573	37.80 0.07 -1.00	34.29 -0.10 -0.44	31.00 -0.12 -0.19	29.83 -0.15 -0.10	29.27 -0.12 -0.05	29.88 -0.06 -0.08	37.75 -0.18 -1.09	37.64 0.04 -0.60	40.82 0.08 -1.15	45.60 0.22 -1.29	52.44 0.25 -1.64	59.39 0.40 -1.64	68.61 0.46 -2.39	81.36 0.62 -3.65	106.63 0.31 -3.97	136.76 0.26 -5.11	155.54 0.30 -5.45	149.94 0.58 -4.56	137.75 0.92 -4.82	110.57 0.95 -4.08	74.76 0.64 -3.06	58.55 0.56 -2.04	52.43 0.40 -1.55	44.76 0.26 -1.33
TELGRAPH_34_KV_EAST 80808	37.10 0.37 0.00	33.68 -0.27 0.00	30.54 -0.40 0.00	29.37 -0.51 0.00	28.98 -0.35 0.00	29.74 -0.12 0.00	35.89 -0.96 0.00	36.19 -0.81 0.00	39.27 -0.32 0.00	43.83 -0.26 0.00	50.09 -0.45 0.00	56.44 -0.92 0.00	64.65 -1.12 0.00	75.86 -1.23 0.00	99.89 -3.99 -1.53	126.08 -6.96 -1.65	143.71 -8.09 -2.02	142.54 -6.95 -4.70	127.88 -4.49 -0.36	104.27 -1.27 0.00	70.35 -0.71 0.00	56.51 0.56 0.00	51.19 0.71 0.00	44.03 0.86 0.00
TEMPLE___115KV_TB 2 55572	37.84 0.11 -1.00	34.33 -0.07 -0.44	31.01 -0.12 -0.19	29.83 -0.15 -0.10	29.27 -0.12 -0.06	29.89 -0.06 -0.09	37.78 -0.15 -1.08	37.64 0.04 -0.60	40.85 0.12 -1.15	45.64 0.26 -1.29	52.48 0.30 -1.64	59.46 0.46 -1.65	68.76 0.59 -2.40	81.44 0.69 -3.65	106.76 0.41 -3.99	136.92 0.39 -5.14	155.68 0.45 -5.45	150.08 0.72 -4.55	137.87 1.06 -4.81	110.67 1.06 -4.07	74.82 0.71 -3.05	58.61 0.62 -2.04	52.48 0.45 -1.54	44.80 0.30 -1.32
TIANA____69_KV_BK 1 55817	55.96 5.03 -14.20	53.54 4.07 -15.51	45.09 3.53 -10.63	42.24 3.38 -8.98	40.96 3.26 -8.37	41.41 3.31 -8.23	43.78 4.16 -2.77	46.39 4.92 -4.45	48.90 5.82 -3.49	51.89 6.04 -1.76	68.43 6.92 -10.96	139.35 8.43 -73.57	154.77 9.93 -79.07	266.71 11.80 -177.82	245.34 16.27 -126.71	278.01 20.63 -126.00	282.98 23.07 -110.13	348.56 21.72 -182.04	301.77 19.54 -150.23	262.50 15.51 -141.45	241.77 9.73 -160.97	213.13 7.67 -149.51	72.84 6.51 -15.85	58.31 5.44 -9.70
TILDEN___115KV_TB1 80814	38.04 0.07 -1.23	34.49 -0.10 -0.63	31.09 -0.15 -0.30	29.89 -0.18 -0.18	29.32 -0.15 -0.13	29.94 -0.09 -0.17	38.00 -0.18 -1.34	37.78 0.04 -0.74	41.09 0.08 -1.42	45.90 0.22 -1.59	52.87 0.30 -2.02	60.07 0.46 -2.26	69.51 0.53 -3.22	82.51 0.69 -4.72	108.21 0.51 -5.35	138.71 0.39 -6.93	157.25 0.60 -6.87	151.30 0.87 -5.63	139.14 1.19 -5.95	111.74 1.16 -5.04	75.61 0.78 -3.77	59.09 0.62 -2.52	52.84 0.45 -1.91	45.07 0.26 -1.64
TRIGEN___CC 323695	54.77 3.86 -14.19	52.49 3.02 -15.51	44.26 2.69 -10.63	41.43 2.57 -8.98	40.23 2.52 -8.37	40.63 2.54 -8.23	42.82 3.21 -2.77	45.35 3.89 -4.45	47.51 4.43 -3.49	50.57 4.72 -1.76	55.85 5.31 0.00	84.71 6.42 -20.93	88.22 7.30 -15.15	134.20 8.63 -48.47	188.07 12.49 -73.23	275.66 16.42 -127.86	342.11 18.42 -173.91	389.44 17.23 -227.41	318.80 15.31 -171.47	240.19 11.72 -122.94	97.81 7.39 -19.36	75.24 5.60 -13.69	61.88 5.00 -6.40	53.38 4.40 -5.81

TRINITY__115KV__4 BK 55933	38.31 1.58 0.00	35.28 1.32 0.00	32.18 1.24 0.00	31.08 1.20 0.00	30.51 1.17 0.00	31.03 1.16 0.00	38.25 1.40 0.00	38.56 1.55 0.00	41.17 1.58 0.00	45.85 1.76 0.00	52.52 1.97 0.00	59.48 2.12 0.00	65.48 2.43 2.72	73.45 2.85 6.50	112.58 4.30 -5.93	138.17 5.39 -1.39	166.85 6.14 -10.93	234.57 5.79 -83.97	293.17 4.88 -156.28	218.79 3.69 -109.56	147.58 2.42 -74.11	111.67 1.85 -53.87	65.18 1.87 -12.83	45.15 1.99 0.00
UNION__PROCESSING_DRP 323587	37.21 0.48 0.00	33.96 0.00 0.00	30.78 -0.15 0.00	29.64 -0.24 0.00	29.19 -0.15 0.00	29.89 0.03 0.00	36.44 -0.41 0.00	36.82 -0.19 0.00	39.75 0.16 0.00	44.36 0.26 0.00	50.80 0.25 0.00	57.58 0.23 0.00	65.96 0.20 0.00	77.48 0.39 0.00	101.33 -1.02 0.00	129.02 -2.36 0.00	147.24 -2.55 0.00	143.06 -1.74 0.00	131.35 -0.66 0.00	106.39 0.84 0.00	71.63 0.57 0.00	56.96 1.01 0.00	51.39 0.91 0.00	44.03 0.86 0.00
UPPER HUDSON__HYD 24058	39.37 2.65 0.00	36.16 2.21 0.00	32.86 1.92 0.00	31.68 1.79 0.00	31.09 1.76 0.00	31.68 1.82 0.00	39.21 2.36 0.00	39.53 2.52 0.00	42.28 2.69 0.00	47.40 3.31 0.00	53.88 3.34 0.00	61.54 4.18 0.00	73.48 5.00 -2.72	88.91 5.32 -6.50	184.74 7.37 -75.01	226.44 8.94 -86.11	256.14 10.48 -95.88	451.07 11.00 -295.27	643.26 11.21 -500.04	437.26 8.97 -322.76	264.53 6.40 -187.07	174.68 5.09 -113.64	77.94 4.19 -23.28	46.36 3.19 0.00
UPPER RAQUET__HYD 24056	33.91 -3.12 -0.31	22.25 -2.51 9.19	21.41 -2.26 7.27	21.09 -2.18 6.61	20.94 -2.20 6.19	20.44 -2.21 7.21	34.66 -2.43 -0.25	34.45 -2.74 -0.18	36.77 -3.17 -0.35	40.87 -3.61 -0.40	46.97 -3.99 -0.42	28.37 -4.99 24.00	30.33 -5.85 29.58	37.67 -6.79 32.64	25.72 -8.70 67.94	28.41 -10.90 92.08	99.35 -12.28 38.15	114.73 -11.87 18.20	122.40 -11.09 -1.48	97.93 -8.87 -1.25	66.10 -5.90 -0.94	51.93 -4.64 -0.63	46.71 -4.24 -0.47	39.73 -3.84 -0.41
VALLEY44_115KV_TB2 355964	37.13 0.40 0.00	33.68 -0.27 0.00	30.48 -0.46 0.00	29.34 -0.54 0.00	29.04 -0.29 0.00	29.74 -0.12 0.00	35.96 -0.88 0.00	36.56 -0.44 0.00	39.51 -0.08 0.00	44.27 0.18 0.00	51.00 0.45 0.00	57.70 0.34 0.00	66.16 0.39 0.00	77.79 0.69 0.00	102.85 -1.54 -2.03	130.04 -3.55 -2.20	148.42 -4.04 -2.68	147.43 -3.62 -6.25	131.03 -1.45 -0.47	106.39 0.84 0.00	71.70 0.64 0.00	57.18 1.23 0.00	51.44 0.96 0.00	44.08 0.91 0.00
VALLEY__115KV_TB 1-4 80826	37.50 0.77 0.00	34.37 0.61 0.20	31.31 0.53 0.16	30.25 0.51 0.14	29.76 0.56 0.13	30.28 0.57 0.15	37.66 0.81 0.00	37.93 0.93 0.00	40.54 0.95 0.00	45.15 1.06 0.00	51.76 1.21 0.00	58.21 1.38 0.52	66.94 1.64 0.47	80.92 1.93 -1.89	109.01 2.56 -4.09	139.80 3.28 -5.13	158.77 3.76 -5.09	152.76 3.76 -4.19	135.44 3.43 0.00	108.28 2.74 0.00	72.91 1.85 0.00	57.46 1.51 0.00	51.69 1.21 0.00	44.20 1.04 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	39.20 2.17 -0.31	36.00 1.83 -0.22	32.70 1.64 -0.12	31.61 1.64 -0.09	31.17 1.76 -0.07	31.71 1.76 -0.09	39.54 2.36 -0.33	39.86 2.66 -0.18	42.67 2.73 -0.35	47.53 3.04 -0.39	54.58 3.54 -0.50	62.14 4.07 -0.71	71.48 4.74 -0.98	83.96 5.55 -1.31	120.43 7.27 -10.81	152.77 9.33 -12.06	174.50 10.78 -13.93	195.58 10.28 -40.50	198.08 9.50 -56.57	150.30 7.60 -37.16	98.80 5.12 -22.63	74.34 4.08 -14.30	57.33 3.38 -3.47	46.38 2.81 -0.41
VISCHER__FERRY HYD 24020	38.90 2.17 0.00	35.75 1.80 0.00	32.61 1.67 0.00	31.50 1.61 0.00	30.92 1.58 0.00	31.44 1.58 0.00	38.76 1.91 0.00	39.15 2.15 0.00	41.73 2.14 0.00	46.51 2.42 0.00	53.27 2.73 0.00	60.62 3.27 0.00	74.70 3.95 -4.99	93.57 4.55 -11.93	198.09 6.35 -89.38	245.38 8.15 -105.84	271.33 9.29 -112.25	462.71 8.98 -308.93	633.50 8.19 -493.31	424.13 6.44 -312.15	249.44 4.34 -174.04	160.50 3.36 -101.19	72.72 2.93 -19.32	45.76 2.59 0.00
V_A_10_SYNC_DSASP 323832	36.47 -0.26 0.00	33.31 -0.65 0.00	30.17 -0.77 0.00	29.17 -0.72 0.00	28.63 -0.70 0.00	29.35 -0.51 0.00	35.60 -1.25 0.00	35.75 -1.26 0.00	38.76 -0.83 0.00	43.30 -0.79 0.00	49.53 -1.01 0.00	55.86 -1.49 0.00	64.12 -1.64 0.00	75.33 -1.77 0.00	97.86 -4.50 0.00	124.03 -7.36 0.00	141.25 -8.53 0.00	137.12 -7.68 0.00	126.59 -5.42 0.00	103.22 -2.32 0.00	69.78 -1.28 0.00	55.62 -0.33 0.00	50.38 -0.10 0.00	43.39 0.22 0.00
V_CMM_10_SYNC_DSASP 323787	35.11 -1.62 0.00	34.06 -1.19 -1.29	30.90 -1.05 -1.02	29.79 -1.02 -0.92	29.14 -1.05 -0.86	29.79 -1.07 -1.00	35.68 -1.18 -0.01	35.49 -1.52 0.00	37.89 -1.70 0.00	42.20 -1.89 0.00	48.48 -2.07 -0.01	58.06 -2.69 -3.40	63.91 -3.16 -1.30	73.31 -3.70 0.08	97.09 -4.71 0.56	125.47 -5.91 0.00	137.72 -6.74 5.32	132.59 -6.51 5.70	125.67 -6.33 0.00	100.37 -5.17 0.00	67.51 -3.55 0.00	53.21 -2.74 0.00	48.11 -2.37 0.00	41.01 -2.16 0.00
V_CMP_10_SYNC_DSASP 323788	35.37 -1.36 0.00	32.97 -0.99 0.00	30.07 -0.87 0.00	29.08 -0.81 0.00	28.43 -0.91 0.00	29.00 -0.87 0.00	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.77 -1.32 0.00	49.23 -1.31 0.00	54.03 -3.33 0.00	58.41 -4.74 2.62	68.46 -5.47 3.17	88.43 -7.17 6.75	113.81 -8.94 8.64	132.38 -10.19 7.21	129.35 -9.85 5.60	122.38 -9.63 0.00	97.84 -7.70 0.00	65.65 -5.40 0.00	52.37 -3.58 0.00	48.36 -2.12 0.00	40.88 -2.29 0.00
V_D_10_SYNC_DSASP 323841	34.82 -1.91 0.00	34.69 -1.39 -2.13	31.34 -1.27 -1.67	30.20 -1.20 -1.52	29.49 -1.26 -1.42	30.26 -1.25 -1.65	35.47 -1.40 -0.02	35.27 -1.74 0.00	37.61 -1.98 0.00	41.89 -2.20 0.00	48.14 -2.43 -0.02	59.85 -3.10 -5.59	66.06 -3.62 -3.91	73.55 -4.24 -0.69	97.77 -5.43 -0.84	126.94 -6.70 -2.25	135.28 -7.63 6.87	129.51 -7.38 7.91	124.88 -7.13 0.00	99.74 -5.80 0.00	67.15 -3.91 0.00	52.87 -3.08 0.00	47.75 -2.73 0.00	40.71 -2.46 0.00
V_E_10_SYNC_DSASP 323830	40.75 3.31 -0.71	37.17 2.72 -0.50	33.48 2.26 -0.28	32.30 2.21 -0.20	31.99 2.49 -0.16	32.64 2.57 -0.20	41.31 3.68 -0.77	41.54 4.11 -0.43	44.36 3.96 -0.82	49.33 4.32 -0.92	56.57 4.85 -1.17	64.29 5.27 -1.66	74.35 6.31 -2.27	87.71 7.56 -3.05	120.16 9.22 -8.58	153.49 11.95 -10.15	175.17 14.83 -10.56	183.31 15.50 -23.01	175.99 15.44 -28.54	137.80 13.08 -19.17	92.09 9.03 -12.00	70.71 7.11 -7.65	58.59 5.65 -2.46	48.56 4.45 -0.94
V_F_30_NSYNC__DSASP 323816	39.48 2.76 0.00	36.27 2.31 0.00	33.01 2.07 0.00	31.85 1.97 0.00	31.27 1.94 0.00	31.83 1.97 0.00	39.32 2.47 0.00	39.60 2.59 0.00	42.32 2.73 0.00	47.31 3.22 0.00	54.08 3.54 0.00	61.66 4.30 0.00	73.91 5.13 -3.01	90.15 5.86 -7.20	187.26 7.99 -76.92	230.08 9.98 -88.72	259.38 11.53 -98.07	453.72 11.59 -297.33	642.74 10.95 -499.78	436.09 8.76 -321.79	262.66 5.97 -185.64	172.84 4.70 -112.19	77.32 4.04 -22.80	46.45 3.28 0.00
V_F_30_SYNC_DSASP 323786	38.53 1.80 0.00	35.45 1.49 0.00	32.33 1.39 0.00	31.23 1.34 0.00	30.65 1.32 0.00	31.15 1.28 0.00	38.43 1.58 0.00	38.75 1.74 0.00	41.41 1.82 0.00	46.16 2.07 0.00	52.87 2.33 0.00	59.88 2.52 0.00	69.29 2.89 -0.63	82.01 3.39 -1.52	148.96 5.02 -41.58	183.82 6.31 -46.13	211.12 7.19 -54.15	330.10 6.81 -178.50	433.97 5.81 -296.15	303.19 4.43 -193.22	188.78 2.84 -114.88	130.92 2.24 -72.73	67.98 2.22 -15.28	45.37 2.20 0.00



V_XM10_SYNC_DSASP 323789	35.37 -1.36 0.00	32.97 -0.99 0.00	30.07 -0.87 0.00	29.08 -0.81 0.00	28.43 -0.91 0.00	29.00 -0.87 0.00	35.96 -0.88 0.00	35.79 -1.22 0.00	38.20 -1.39 0.00	42.77 -1.32 0.00	49.23 -1.31 0.00	54.03 -3.33 0.00	58.41 -4.74 2.62	68.46 -5.47 3.17	88.43 -7.17 6.75	113.81 -8.94 8.64	132.38 -10.19 7.21	129.35 -9.85 5.60	122.38 -9.63 0.00	97.84 -7.70 0.00	65.65 -5.40 0.00	52.37 -3.58 0.00	48.36 -2.12 0.00	40.88 -2.29 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	39.85 3.12 0.00	36.30 2.34 0.00	33.07 2.13 0.00	31.88 2.00 0.00	31.33 1.99 0.00	31.86 2.00 0.00	39.28 2.43 0.00	40.12 3.11 0.00	43.15 3.56 0.00	47.97 3.88 0.00	55.04 4.50 0.00	62.75 5.39 0.00	72.53 6.18 -0.58	85.89 7.40 -1.39	128.88 10.65 -15.88	163.68 14.06 -18.24	185.80 15.73 -20.29	211.29 14.77 -51.73	198.54 12.94 -53.59	148.23 9.82 -32.88	95.55 6.32 -18.17	69.48 4.59 -8.94	56.43 3.99 -1.96	46.71 3.54 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	40.33 3.60 0.00	36.71 2.75 0.00	33.38 2.44 0.00	32.18 2.30 0.00	31.59 2.26 0.00	32.13 2.27 0.00	39.76 2.91 0.00	40.75 3.74 0.00	43.92 4.32 -0.02	48.68 4.59 0.00	55.70 5.16 0.00	63.43 6.08 0.00	73.25 6.84 -0.65	86.90 8.25 -1.55	131.35 11.98 -17.02	166.75 15.77 -19.60	189.17 17.67 -21.72	216.42 16.51 -55.12	203.82 14.39 -57.42	151.59 10.87 -35.18	97.31 6.89 -19.36	71.15 5.04 -10.16	57.08 4.54 -2.06	47.18 4.01 0.00
W50THST__13_KV_LOAD 356117	40.55 3.82 0.00	36.91 2.95 0.00	33.57 2.63 0.00	32.36 2.48 0.00	31.77 2.43 0.00	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.28 4.67 -0.02	49.07 4.98 0.00	56.21 5.66 0.00	64.01 6.65 0.00	73.98 7.56 -0.65	87.67 9.02 -1.55	132.48 13.10 -17.02	168.19 17.21 -19.60	190.67 19.17 -21.72	217.87 17.96 -55.12	205.01 15.58 -57.42	152.54 11.82 -35.18	97.88 7.46 -19.36	71.60 5.48 -10.16	57.44 4.90 -2.06	47.49 4.32 0.00
WADING RIVER_IC_1 23522	55.37 4.44 -14.20	53.00 3.53 -15.51	44.63 3.06 -10.63	41.76 2.90 -8.98	40.52 2.82 -8.37	40.96 2.87 -8.23	43.27 3.65 -2.77	45.79 4.33 -4.45	48.14 5.07 -3.49	51.10 5.24 -1.76	67.23 5.76 -10.93	137.87 7.11 -73.41	152.97 8.35 -78.85	264.32 9.95 -177.27	242.79 14.02 -126.41	274.71 17.48 -125.85	279.62 19.77 -110.07	345.04 18.24 -182.00	298.58 16.37 -150.20	259.54 12.98 -141.02	240.05 8.45 -160.54	211.53 6.49 -149.10	71.71 5.40 -15.82	57.49 4.71 -9.61
WADING RIVER_IC_2 23547	55.37 4.44 -14.20	53.00 3.53 -15.51	44.63 3.06 -10.63	41.76 2.90 -8.98	40.52 2.82 -8.37	40.96 2.87 -8.23	43.27 3.65 -2.77	45.79 4.33 -4.45	48.14 5.07 -3.49	51.10 5.24 -1.76	67.23 5.76 -10.93	137.87 7.11 -73.41	152.97 8.35 -78.85	264.32 9.95 -177.27	242.79 14.02 -126.41	274.71 17.48 -125.85	279.62 19.77 -110.07	345.04 18.24 -182.00	298.58 16.37 -150.20	259.54 12.98 -141.02	240.05 8.45 -160.54	211.53 6.49 -149.10	71.71 5.40 -15.82	57.49 4.71 -9.61
WADING RIVER_IC_3 23601	55.37 4.44 -14.20	53.00 3.53 -15.51	44.63 3.06 -10.63	41.76 2.90 -8.98	40.52 2.82 -8.37	40.96 2.87 -8.23	43.27 3.65 -2.77	45.79 4.33 -4.45	48.14 5.07 -3.49	51.10 5.24 -1.76	67.23 5.76 -10.93	137.87 7.11 -73.41	152.97 8.35 -78.85	264.32 9.95 -177.27	242.79 14.02 -126.41	274.71 17.48 -125.85	279.62 19.77 -110.07	345.04 18.24 -182.00	298.58 16.37 -150.20	259.54 12.98 -141.02	240.05 8.45 -160.54	211.53 6.49 -149.10	71.71 5.40 -15.82	57.49 4.71 -9.61
WALDENNY_12_KV_BK2 80841	37.28 0.55 0.00	33.85 -0.10 0.00	30.66 -0.28 0.00	29.52 -0.36 0.00	29.13 -0.21 0.00	29.89 0.03 0.00	36.04 -0.81 0.00	36.42 -0.59 0.00	39.55 -0.04 0.00	44.22 0.13 0.00	50.75 0.20 0.00	57.35 0.00 0.00	65.76 0.00 0.00	77.33 0.23 0.00	101.88 -2.25 -1.78	128.44 -4.86 -1.92	146.43 -5.69 -2.34	145.33 -4.92 -5.45	129.78 -2.64 -0.41	105.65 0.11 0.00	71.34 0.28 0.00	57.07 1.12 0.00	51.69 1.21 0.00	44.46 1.30 0.00
WALDEN__HYDRO 24148	39.56 2.83 0.00	36.06 2.11 0.00	32.86 1.92 0.00	31.71 1.82 0.00	31.12 1.79 0.00	31.65 1.79 0.00	39.10 2.25 0.00	39.78 2.78 0.00	42.76 3.17 0.00	47.53 3.44 0.00	54.54 3.99 0.00	62.11 4.76 0.00	71.63 5.46 -0.40	84.69 6.63 -0.96	126.33 9.52 -14.45	160.37 12.61 -16.37	182.62 14.23 -18.61	207.28 13.47 -49.02	194.60 12.01 -50.58	145.97 9.08 -31.35	94.86 6.04 -17.77	69.77 4.36 -9.45	56.39 3.84 -2.07	46.49 3.32 0.00
WARRENSBURG____ 23737	39.37 2.65 0.00	36.16 2.21 0.00	32.86 1.92 0.00	31.68 1.79 0.00	31.09 1.76 0.00	31.68 1.82 0.00	39.21 2.36 0.00	39.53 2.52 0.00	42.28 2.69 0.00	47.40 3.31 0.00	53.88 3.34 0.00	61.54 4.18 0.00	73.48 5.00 -2.72	88.91 5.32 -6.50	184.74 7.37 -75.01	226.44 8.94 -86.11	256.14 10.48 -95.88	451.07 11.00 -295.27	643.26 11.21 -500.04	437.26 8.97 -322.76	264.53 6.40 -187.07	174.68 5.09 -113.64	77.94 4.19 -23.28	46.36 3.19 0.00
WATERSIDE____6 8 9 23538	34.39 3.78 6.12	36.85 2.89 -0.01	33.48 2.54 0.00	32.27 2.39 0.00	31.68 2.35 0.00	32.19 2.33 0.00	39.83 2.98 0.00	40.82 3.81 0.00	43.92 4.32 -0.02	48.54 4.45 0.00	55.30 4.75 0.00	60.67 5.68 2.36	72.36 6.31 -0.28	86.12 7.48 -1.55	130.53 11.16 -17.02	165.57 14.58 -19.60	187.83 16.33 -21.72	214.98 15.06 -55.12	202.50 13.07 -57.42	150.53 9.82 -35.17	96.67 6.25 -19.36	70.71 4.59 -10.17	56.84 4.29 -2.07	47.27 4.10 0.00
WATKINRD_115KV_LN8_ILLION 55919	37.35 0.62 0.00	34.23 0.48 0.20	31.22 0.43 0.16	30.16 0.42 0.14	29.64 0.44 0.13	30.16 0.45 0.15	37.47 0.63 0.00	37.75 0.74 0.00	40.30 0.71 0.00	44.88 0.79 0.00	51.45 0.91 0.00	57.87 1.03 0.52	66.54 1.25 0.47	80.46 1.46 -1.89	108.39 1.94 -4.09	139.01 2.50 -5.13	157.87 3.00 -5.09	151.89 2.90 -4.19	134.65 2.64 0.00	107.65 2.11 0.00	72.48 1.42 0.00	57.13 1.17 0.00	51.44 0.96 0.00	43.99 0.82 0.00
WATSON__69_KV_BK 1 55734	55.99 5.07 -14.19	53.58 4.11 -15.51	45.16 3.59 -10.63	42.30 3.44 -8.98	41.05 3.34 -8.37	41.50 3.40 -8.23	43.93 4.31 -2.77	46.46 5.00 -4.45	48.82 5.74 -3.49	52.02 6.17 -1.76	62.84 6.77 -5.52	115.43 8.09 -49.99	119.97 9.27 -44.93	186.52 11.10 -98.32	204.96 15.76 -86.84	263.36 20.36 -111.61	288.38 23.07 -115.53	352.55 21.86 -185.88	303.70 19.67 -152.02	249.83 15.51 -128.77	171.49 9.73 -90.70	145.45 7.39 -82.11	68.10 6.46 -11.16	69.85 5.57 -21.12
WDELAWARE__HYD 323627	38.71 1.98 0.00	35.31 1.36 0.00	32.14 1.21 0.00	30.99 1.11 0.00	30.45 1.11 0.00	31.00 1.13 0.00	38.32 1.48 0.00	38.97 1.96 0.00	42.56 2.97 0.00	47.31 3.22 0.00	54.19 3.64 0.00	61.83 4.48 0.00	70.96 5.19 0.00	83.27 6.17 0.00	121.79 9.01 -10.43	154.74 12.08 -11.27	174.92 11.38 -13.76	195.95 11.00 -40.16	184.00 9.91 -42.09	139.93 7.49 -26.90	92.21 4.90 -16.25	69.50 3.30 -10.25	55.50 2.77 -2.25	45.46 2.29 0.00
WEST BABYLON__IC 23714	55.62 4.70 -14.19	53.24 3.77 -15.51	44.91 3.34 -10.63	42.06 3.20 -8.98	40.82 3.11 -8.37	41.26 3.17 -8.23	43.60 3.98 -2.77	46.16 4.70 -4.45	48.42 5.34 -3.49	51.58 5.73 -1.76	58.26 6.37 -1.35	93.68 7.63 -28.70	93.91 8.75 -19.40	129.20 10.49 -41.62	177.31 14.94 -60.01	255.73 19.45 -104.90	298.91 22.02 -127.11	359.76 20.85 -194.11	306.63 18.75 -155.87	237.27 14.67 -117.06	116.97 9.17 -36.74	93.31 6.99 -30.36	64.10 6.06 -7.56	61.45 5.31 -12.97

WEST CANADA___HYD 24049	37.17 0.44 0.00	34.06 0.30 0.20	31.06 0.28 0.16	30.01 0.27 0.14	29.50 0.29 0.13	30.01 0.30 0.15	37.22 0.37 0.00	37.45 0.45 0.00	40.07 0.48 0.00	44.62 0.53 0.00	51.10 0.56 0.00	57.52 0.69 0.52	66.09 0.79 0.47	79.92 0.93 -1.89	107.68 1.23 -4.09	138.10 1.58 -5.13	156.68 1.80 -5.09	150.74 1.74 -4.19	133.60 1.59 0.00	106.81 1.27 0.00	71.91 0.86 0.00	56.63 0.67 0.00	51.09 0.61 0.00	43.73 0.56 0.00
WESTERN_NY_WIND 24143	37.72 0.99 0.00	34.23 0.27 0.00	31.03 0.09 0.00	29.82 -0.06 0.00	29.39 0.06 0.00	30.19 0.33 0.00	36.55 -0.29 0.00	36.97 -0.04 0.00	40.02 0.44 0.00	44.62 0.53 0.00	51.00 0.45 0.00	56.84 -0.52 0.00	65.17 -0.59 0.00	76.56 -0.54 0.00	99.39 -2.97 0.00	125.87 -5.52 0.00	143.64 -6.14 0.00	139.88 -4.92 0.00	129.50 -2.51 0.00	105.65 0.11 0.00	71.20 0.14 0.00	57.69 1.73 0.00	52.09 1.62 0.00	44.81 1.64 0.00
WESTOVER___LESR 323668	38.40 0.99 -0.68	35.04 0.61 -0.48	31.70 0.50 -0.27	30.52 0.45 -0.19	30.02 0.53 -0.16	30.65 0.60 -0.19	38.10 0.52 -0.74	38.23 0.81 -0.41	41.40 1.03 -0.78	46.20 1.23 -0.87	53.17 1.52 -1.11	60.72 1.78 -1.58	69.97 2.04 -2.16	82.47 2.47 -2.91	112.09 2.35 -7.38	142.82 2.63 -8.81	161.93 3.15 -9.01	166.08 3.33 -17.95	155.22 3.70 -19.52	122.32 3.59 -13.19	81.91 2.49 -8.37	63.43 2.13 -5.35	54.16 1.77 -1.92	45.49 1.42 -0.90
WETHRSFD_WT_PWR 323626	36.95 0.22 0.00	33.58 -0.37 0.00	30.48 -0.46 0.00	29.44 -0.45 0.00	28.95 -0.38 0.00	29.66 -0.21 0.00	35.96 -0.88 0.00	36.19 -0.81 0.00	39.27 -0.32 0.00	44.00 -0.09 0.00	50.44 -0.10 0.00	56.89 -0.46 0.00	65.17 -0.59 0.00	76.40 -0.70 0.00	101.21 -3.17 -2.03	128.07 -5.51 -2.19	146.47 -6.00 -2.68	146.26 -4.77 -6.24	129.97 -2.51 -0.47	105.54 0.00 0.00	71.34 0.29 0.00	56.79 0.84 0.00	51.34 0.86 0.00	43.99 0.82 0.00
WHAVSTOR_138KV_BK127 55557	39.67 2.94 0.00	36.16 2.21 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.74 1.88 0.00	39.13 2.28 0.00	39.93 2.92 0.00	42.95 3.37 0.00	47.71 3.62 0.00	54.74 4.20 0.00	62.40 5.05 0.00	72.07 5.72 -0.58	85.35 6.86 -1.39	128.20 9.93 -15.91	162.81 13.14 -18.28	184.80 14.68 -20.33	210.39 13.76 -51.84	197.74 12.01 -53.72	147.67 9.18 -32.95	95.09 5.83 -18.21	69.16 4.25 -8.95	56.18 3.74 -1.96	46.49 3.32 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	39.67 2.94 0.00	36.16 2.21 0.00	32.95 2.01 0.00	31.77 1.88 0.00	31.21 1.88 0.00	31.74 1.88 0.00	39.13 2.28 0.00	39.93 2.92 0.00	42.95 3.37 0.00	47.71 3.62 0.00	54.74 4.20 0.00	62.40 5.05 0.00	72.07 5.72 -0.58	85.35 6.86 -1.39	128.20 9.93 -15.91	162.81 13.14 -18.28	184.80 14.68 -20.33	210.39 13.76 -51.84	197.74 12.01 -53.72	147.67 9.18 -32.95	95.09 5.83 -18.21	69.16 4.25 -8.95	56.18 3.74 -1.96	46.49 3.32 0.00
WHITEHAL_115KV_TB1 80871	40.55 3.82 0.00	37.21 3.26 0.00	33.72 2.78 0.00	32.54 2.66 0.00	31.95 2.61 0.00	32.58 2.72 0.00	40.28 3.43 0.00	40.60 3.59 0.00	43.51 3.92 0.00	48.81 4.72 0.00	55.60 5.05 0.00	63.55 6.19 0.00	75.97 7.37 -2.84	91.98 8.10 -6.79	189.21 11.05 -75.80	231.98 13.40 -87.19	262.30 15.73 -96.79	457.43 16.51 -296.12	648.31 16.37 -499.93	441.09 13.19 -322.36	266.70 9.17 -186.47	176.37 7.39 -113.04	79.67 6.11 -23.08	47.79 4.62 0.00
WHITEPLN_13_KV_LOAD 356215	40.55 3.82 0.00	36.91 2.95 0.00	33.54 2.60 0.00	32.33 2.45 0.00	31.71 2.38 0.00	32.31 2.45 0.00	39.98 3.13 0.00	40.86 3.85 0.00	44.02 4.43 0.00	48.85 4.76 0.00	56.05 5.51 0.00	63.95 6.60 0.00	73.97 7.56 -0.65	87.74 9.10 -1.54	132.53 13.20 -16.97	168.40 17.47 -19.54	191.21 19.77 -21.66	218.15 18.39 -54.96	205.51 16.24 -57.26	153.08 12.45 -35.08	98.33 7.96 -19.31	71.96 5.87 -10.14	57.63 5.10 -2.06	47.62 4.45 0.00
WM_FLOYD_69_KV_BK2 356380	55.70 4.77 -14.20	53.30 3.84 -15.51	44.91 3.34 -10.63	42.06 3.20 -8.98	40.82 3.11 -8.37	41.26 3.17 -8.23	43.64 4.02 -2.77	46.16 4.70 -4.45	48.50 5.42 -3.49	51.54 5.69 -1.76	67.96 6.27 -11.15	139.37 7.57 -74.44	154.86 8.81 -80.28	268.47 10.56 -180.81	245.51 14.84 -128.31	276.94 18.79 -126.76	281.32 21.12 -110.42	347.03 19.98 -182.25	300.29 17.95 -150.32	263.49 14.35 -143.59	243.52 9.10 -163.37	214.81 7.05 -151.81	72.55 6.06 -16.01	58.29 5.05 -10.07
WOODARD__115KV_TB2 355635	38.06 0.00 -1.33	34.50 -0.14 -0.68	31.08 -0.19 -0.33	29.87 -0.21 -0.20	29.30 -0.18 -0.14	29.93 -0.12 -0.18	38.07 -0.22 -1.44	37.76 -0.04 -0.79	41.11 0.00 -1.52	45.93 0.13 -1.71	52.87 0.15 -2.17	60.07 0.29 -2.43	69.56 0.33 -3.47	82.64 0.46 -5.08	108.31 0.20 -5.75	138.97 0.13 -7.45	157.32 0.15 -7.39	151.29 0.43 -6.05	139.19 0.79 -6.39	111.80 0.84 -5.41	75.68 0.57 -4.06	59.16 0.50 -2.71	52.88 0.35 -2.05	45.15 0.22 -1.76
YORK___WARBASSE 23770	83.74 4.08 -42.93	37.09 3.12 -0.01	33.70 2.75 -0.01	32.49 2.60 -0.01	31.87 2.52 -0.01	32.34 2.48 0.00	40.06 3.21 0.00	41.08 4.07 0.00	44.20 4.59 -0.02	48.76 4.67 0.00	55.65 5.11 0.00	80.00 6.14 -16.51	75.73 6.77 -3.19	86.66 8.02 -1.55	131.04 11.67 -17.02	165.83 14.85 -19.60	188.13 16.63 -21.72	215.41 15.49 -55.12	202.90 13.46 -57.42	150.74 10.03 -35.17	96.81 6.40 -19.36	76.16 5.09 -15.12	76.11 4.69 -20.94	47.62 4.45 0.00