

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion										08/16/2025		
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00									
59TH STREET_GT_1	24138	44.62	40.50	37.63	34.33	33.52	34.93	35.94	35.10	35.08	39.64	42.96	47.21	50.40	55.19	58.91	67.23	75.93	83.00	82.16	75.28	67.29	60.87	54.70	48.50									
		1.75	1.29	1.31	1.22	1.29	1.34	1.61	1.64	1.95	2.03	2.19	2.02	2.20	2.06	2.19	2.19	2.72	2.73	1.77	1.11	0.53	0.78	0.86	1.04									
		-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.24	-1.47	-1.60	-1.98	-2.35	-1.53	-0.10	0.00	0.00	0.00	0.00	0.00	0.00									
74TH STREET_GT_1	24260	44.66	40.58	37.67	34.40	33.59	35.00	35.98	35.14	35.12	39.68	43.00	47.25	50.45	55.25	58.91	67.23	75.93	83.00	82.16	75.28	67.29	60.93	54.81	48.55									
		1.80	1.37	1.34	1.29	1.35	1.41	1.65	1.67	1.99	2.06	2.23	2.07	2.24	2.11	2.19	2.19	2.72	2.73	1.77	1.11	0.53	0.84	0.97	1.09									
		-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.24	-1.47	-1.60	-1.98	-2.35	-1.53	-0.10	0.00	0.00	0.00	0.00	0.00	0.00									
74TH STREET_GT_2	24261	44.66	40.58	37.67	34.40	33.59	35.00	35.98	35.14	35.12	39.68	43.00	47.25	50.45	55.25	58.91	67.23	75.93	83.00	82.16	75.28	67.29	60.93	54.81	48.55									
		1.80	1.37	1.34	1.29	1.35	1.41	1.65	1.67	1.99	2.06	2.23	2.07	2.24	2.11	2.19	2.19	2.72	2.73	1.77	1.11	0.53	0.84	0.97	1.09									
		-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.24	-1.47	-1.60	-1.98	-2.35	-1.53	-0.10	0.00	0.00	0.00	0.00	0.00	0.00									
ADK HUDSON___FALLS	24011	44.43	40.77	37.78	34.50	33.59	35.03	35.77	34.74	34.32	37.29	39.84	43.37	46.13	50.84	53.96	62.11	72.32	82.89	84.49	78.24	70.37	63.33	56.53	49.50									
		1.71	1.57	1.45	1.39	1.35	1.44	1.44	1.27	1.19	1.11	0.84	0.53	0.70	0.72	0.99	1.50	2.01	2.81	4.10	4.08	3.61	3.24	2.69	2.04									
		0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.83	1.10	1.30	1.42	1.76	2.09	1.36	0.09	0.00	0.00	0.00	0.00	0.00	0.00									
ADK RESOURCE___RCVRY	23798	44.69	41.05	37.96	34.66	33.75	35.23	35.94	34.90	34.49	37.44	40.01	43.56	46.34	51.07	54.26	62.45	72.77	83.37	85.22	79.06	71.04	63.94	57.02	49.87									
		1.97	1.84	1.64	1.56	1.52	1.65	1.61	1.44	1.36	1.25	1.00	0.70	0.89	0.93	1.26	1.82	2.44	3.29	4.82	4.89	4.28	3.85	3.18	2.42									
		0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	0.82	1.09	1.29	1.40	1.74	2.06	1.34	0.09	0.00	0.00	0.00	0.00	0.00	0.00									
ADK S GLENS___FALLS	24028	44.43	40.77	37.78	34.50	33.59	35.03	35.77	34.74	34.32	37.29	39.84	43.37	46.13	50.84	53.96	62.11	72.32	82.89	84.49	78.24	70.37	63.33	56.53	49.50									
		1.71	1.57	1.45	1.39	1.35	1.44	1.44	1.27	1.19	1.11	0.84	0.53	0.70	0.72	0.99	1.50	2.01	2.81	4.10	4.08	3.61	3.24	2.69	2.04									
		0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.83	1.10	1.30	1.42	1.76	2.09	1.36	0.09	0.00	0.00	0.00	0.00	0.00	0.00									
ADK_NYS___DAM	23527	43.54	40.07	37.27	34.03	33.23	34.56	35.32	34.47	34.19	36.28	38.73	42.02	44.44	49.15	51.58	58.92	69.78	81.17	81.52	75.28	67.63	61.11	54.60	48.21									
		0.90	0.86	0.94	0.93	1.00	0.97	1.00	1.00	1.06	0.92	0.75	0.53	0.61	0.77	0.77	0.88	1.14	1.20	1.12	1.11	0.87	1.02	0.75	0.76									
		0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.85	2.45	2.90	3.16	3.92	4.65	3.04	0.20	0.00	0.00	0.00	0.00	0.00	0.00									
AIR_PRODUCTS___DRP	24190	42.09	38.50	35.85	32.91	32.10	33.42	34.12	33.23	32.96	35.89	38.59	42.03	44.59	49.18	52.03	59.53	68.98	78.25	78.46	72.24	64.89	58.58	52.39	46.32									
		-0.64	-0.71	-0.47	-0.20	-0.13	-0.17	-0.21	-0.23	-0.17	-0.41	-0.56	-1.01	-1.07	-1.19	-1.26	-1.44	-1.58	-1.84	-1.93	-1.93	-1.87	-1.50	-1.45	-1.14									
		0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.68	0.91	1.07	1.17	1.45	1.72	1.12	0.07	0.00	0.00	0.00	0.00	0.00	0.00									
AKWESSNE_115KV_BK	355683	43.47	39.75	36.87	33.64	32.72	34.12	34.95	34.03	33.49	37.26	40.31	44.47	47.06	51.90	55.07	63.06	72.32	79.47	79.79	72.68	64.46	56.84	49.73	46.68									
		0.68	0.55	0.54	0.53	0.48	0.54	0.62	0.57	0.36	0.41	0.48	0.53	0.33	0.36	0.33	0.38	0.65	0.96	1.05	0.89	0.93	0.78	0.65	0.62									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.67	1.64	2.38	3.24	4.03	4.76	1.40									
ALBANY_1_SOLAR	323833	43.14	39.48	36.65	33.57	32.72	34.06	34.71	33.70	33.26	36.46	39.19	41.99	44.64	49.23	52.26	59.94	69.30	78.29	78.85	72.90	65.56	59.19	52.98	46.69									
		0.38	0.28	0.33	0.46	0.48	0.47	0.38	0.24	0.13	-0.04	-0.20	-1.36	-1.40	-1.54	-1.53	-1.63	-1.65	-1.69	-1.53	-1.26	-1.20	-0.90	-0.86	-0.76									
		0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.45	0.59	0.70	0.76	0.95	1.12	0.73	0.20	0.02	0.00	0.00	0.00	0.00	0.00									
ALBANY_2_SOLAR	323834	43.09	39.48	36.65	33.57	32.72	34.06	34.71	33.70	33.26	36.46	39.19	41.99	44.64	49.18	52.26	59.94	69.30	78.21	78.77	72.90	65.56	59.19	52.98	46.69									
		0.34	0.28	0.33	0.46	0.48	0.47	0.38	0.24	0.13	-0.04	-0.20	-1.36	-1.40	-1.60	-1.53	-1.63	-1.65	-1.76	-1.61	-1.26	-1.20	-0.90	-0.86	-0.76									
		0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.45	0.59	0.70	0.76	0.95	1.12	0.73	0.20	0.02	0.00	0.00	0.00	0.00	0.00									
ALBANY___1	23571	42.09	38.50	35.85	32.91	32.10	33.42	34.12	33.23	32.96	35.89	38.59	42.03	44.59	49.18	52.03	59.53	68.98	78.25	78.46	72.24	64.89	58.58	52.39	46.32									
		-0.64	-0.71	-0.47	-0.20	-0.13	-0.17	-0.21	-0.23	-0.17	-0.41	-0.56	-1.01	-1.07	-1.19	-1.26	-1.44	-1.58	-1.84	-1.93	-1.93	-1.87	-1.50	-1.45	-1.14									
		0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.68	0.91	1.07	1.17	1.45	1.72	1.12	0.07	0.00	0.00	0.00	0.00	0.00	0.00									



ALBANY___2 23572	42.09 -0.64 0.06	38.50 -0.71 0.00	35.85 -0.47 0.00	32.91 -0.20 0.00	32.10 -0.13 0.00	33.42 -0.17 0.00	34.12 -0.21 0.00	33.23 -0.23 0.00	32.96 -0.17 0.00	35.89 -0.41 0.55	38.59 -0.56 0.68	42.03 -1.01 0.91	44.59 -1.07 1.07	49.18 -1.19 1.17	52.03 -1.26 1.45	59.53 -1.44 1.72	68.98 -1.58 1.12	78.25 -1.84 0.07	78.46 -1.93 0.00	72.24 -1.93 0.00	64.89 -1.87 0.00	58.58 -1.50 0.00	52.39 -1.45 0.00	46.32 -1.14 0.00
ALBANY___3 23573	42.09 -0.64 0.06	38.50 -0.71 0.00	35.85 -0.47 0.00	32.91 -0.20 0.00	32.10 -0.13 0.00	33.42 -0.17 0.00	34.12 -0.21 0.00	33.23 -0.23 0.00	32.96 -0.17 0.00	35.89 -0.41 0.55	38.59 -0.56 0.68	42.03 -1.01 0.91	44.59 -1.07 1.07	49.18 -1.19 1.17	52.03 -1.26 1.45	59.53 -1.44 1.72	68.98 -1.58 1.12	78.25 -1.84 0.07	78.46 -1.93 0.00	72.24 -1.93 0.00	64.89 -1.87 0.00	58.58 -1.50 0.00	52.39 -1.45 0.00	46.32 -1.14 0.00
ALBANY___4 23574	42.09 -0.64 0.06	38.50 -0.71 0.00	35.85 -0.47 0.00	32.91 -0.20 0.00	32.10 -0.13 0.00	33.42 -0.17 0.00	34.12 -0.21 0.00	33.23 -0.23 0.00	32.96 -0.17 0.00	35.89 -0.41 0.55	38.59 -0.56 0.68	42.03 -1.01 0.91	44.59 -1.07 1.07	49.18 -1.19 1.17	52.03 -1.26 1.45	59.53 -1.44 1.72	68.98 -1.58 1.12	78.25 -1.84 0.07	78.46 -1.93 0.00	72.24 -1.93 0.00	64.89 -1.87 0.00	58.58 -1.50 0.00	52.39 -1.45 0.00	46.32 -1.14 0.00
ALBANY___LFGE 323615	42.60 -0.13 0.06	39.05 -0.16 0.00	36.25 -0.07 0.00	33.24 0.13 0.00	32.43 0.19 0.00	33.75 0.17 0.00	34.47 0.14 0.00	33.56 0.10 0.00	33.30 0.17 0.00	36.25 0.00 0.61	38.96 -0.12 0.75	42.43 -0.53 0.99	45.10 -0.47 1.17	49.70 -0.57 1.28	52.66 -0.49 1.58	60.25 -0.57 1.88	69.88 -0.58 1.23	79.37 -0.72 0.08	79.67 -0.72 0.00	73.28 -0.89 0.00	65.76 -1.00 0.00	59.37 -0.72 0.00	53.09 -0.75 0.00	46.79 -0.66 0.00
ALCOA_PA_115KV_PL-6C 55860	43.95 1.16 0.00	40.18 0.98 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.07 0.84 0.00	34.49 0.91 0.00	35.32 1.00 0.00	34.37 0.90 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.83 0.88 0.00	47.49 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.04 1.36 0.00	97.11 1.76 -15.17	97.18 1.85 -14.94	97.48 1.71 -21.61	97.84 1.67 -29.41	98.17 1.44 -36.64	98.42 1.29 -43.28	61.31 1.19 -12.67
ALCOA_RYNLDS___DRP 24188	43.95 1.16 0.00	40.18 0.98 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.07 0.84 0.00	34.49 0.91 0.00	35.32 1.00 0.00	34.37 0.90 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.83 0.88 0.00	47.49 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.04 1.36 0.00	97.11 1.76 -15.17	97.18 1.85 -14.94	97.48 1.71 -21.61	97.84 1.67 -29.41	98.17 1.44 -36.64	98.42 1.29 -43.28	61.31 1.19 -12.67
ALCOA___DSASP 323711	43.95 1.16 0.00	40.19 0.98 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.07 0.84 0.00	34.49 0.91 0.00	35.32 1.00 0.00	34.37 0.90 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.83 0.88 0.00	47.48 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.04 1.36 0.00	97.11 1.76 -15.17	97.18 1.85 -14.94	97.49 1.71 -21.61	97.84 1.67 -29.41	98.17 1.44 -36.64	98.42 1.29 -43.28	61.31 1.19 -12.67
ALLEGHENY___COGEN 23514	45.40 2.61 0.00	42.15 2.94 0.00	38.43 2.11 0.00	34.56 1.46 0.00	33.43 1.19 0.00	34.83 1.24 0.00	35.53 1.20 0.00	34.33 0.87 0.00	33.33 0.20 0.00	37.18 0.33 0.00	40.03 0.20 0.00	45.13 1.19 0.00	48.14 1.40 0.00	51.54 0.00 0.00	54.69 -0.05 0.00	62.94 0.25 0.00	71.89 0.22 0.00	81.93 1.76 0.00	84.25 3.86 0.00	79.28 5.11 0.00	72.43 5.67 0.00	64.90 4.81 0.00	58.31 4.47 0.00	50.78 3.32 0.00
ALTAMONT_115KV_TB 2 55880	42.84 0.09 0.04	39.20 0.00 0.00	36.47 0.15 0.00	33.34 0.23 0.00	32.52 0.29 0.00	33.85 0.27 0.00	34.53 0.21 0.00	33.66 0.20 0.00	33.36 0.23 0.00	36.60 0.11 0.36	39.43 0.04 0.45	43.14 -0.22 0.59	45.81 -0.23 0.70	50.47 -0.31 0.76	53.52 -0.27 0.94	61.19 -0.38 1.12	70.66 -0.29 0.73	79.73 -0.40 0.04	79.91 -0.48 0.00	73.72 -0.44 0.00	66.23 -0.53 0.00	59.79 -0.30 0.00	53.52 -0.32 0.00	47.22 -0.24 0.00
ALTONA_WT_PWR 323606	43.73 0.94 0.00	39.95 0.74 0.00	37.01 0.69 0.00	33.77 0.66 0.00	32.91 0.68 0.00	34.36 0.77 0.00	35.19 0.86 0.00	34.27 0.80 0.00	33.73 0.60 0.00	37.52 0.66 0.00	40.59 0.75 0.00	44.78 0.83 0.00	47.20 0.47 0.00	52.05 0.52 0.00	55.18 0.44 0.00	63.19 0.50 0.00	72.54 0.86 0.00	81.97 1.36 -0.44	82.35 1.52 -0.43	76.05 1.26 -0.63	68.81 1.20 -0.85	61.99 0.84 -1.06	55.58 0.48 -1.25	47.93 0.47 0.00
AMERICAN_REF_FUEL 24010	42.70 -0.09 0.00	39.60 0.39 0.00	36.51 0.18 0.00	32.71 -0.40 0.00	31.62 -0.61 0.00	32.68 -0.91 0.00	33.43 -0.89 0.00	32.03 -1.44 0.00	31.51 -1.62 0.00	36.08 -0.78 0.00	39.24 -0.60 0.00	44.83 0.88 0.00	47.58 0.84 0.00	52.83 1.29 0.00	56.16 1.42 0.00	64.19 1.50 0.00	72.54 0.86 0.00	81.21 1.04 0.00	81.68 1.28 0.00	75.28 1.11 0.00	68.16 1.40 0.00	61.29 1.20 0.00	55.78 1.94 0.00	48.97 1.52 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	44.12 1.33 0.00	41.28 2.08 0.00	37.49 1.16 0.00	33.63 0.53 0.00	32.49 0.26 0.00	33.62 0.03 0.00	34.47 0.14 0.00	33.67 0.20 0.00	33.20 0.07 0.00	38.00 1.14 0.00	41.31 1.47 0.00	47.20 3.25 0.00	50.20 3.46 0.00	55.71 4.17 0.00	59.34 4.60 0.00	67.89 5.20 0.00	76.69 5.02 0.00	85.95 5.78 0.00	86.34 5.95 0.00	79.80 5.63 0.00	72.17 5.41 0.00	64.71 4.63 0.00	58.69 4.85 0.00	51.25 3.80 0.00
ARTHUR KILL_GT_1 23520	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.00 1.41 0.00	35.94 1.61 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.64 2.03 -0.76	42.92 2.15 -0.94	47.08 1.89 -1.24	49.88 1.68 -1.46	50.62 1.39 2.31	50.54 1.20 5.40	60.12 0.75 3.32	69.11 1.51 4.07	71.49 1.36 10.05	65.18 0.16 15.38	58.44 -0.44 15.28	51.26 -0.80 14.70	49.42 -0.36 10.31	49.19 0.43 5.09	48.50 1.04 0.00
ARTHUR_KILL_2 23512	44.67 1.80 -0.09	40.58 1.37 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.50 1.26 -0.01	34.87 1.28 -0.01	35.81 1.48 -0.01	34.98 1.51 -0.01	34.93 1.79 -0.01	39.50 1.88 -0.77	42.81 2.03 -0.94	46.91 1.71 -1.25	49.69 1.50 -1.46	50.46 1.23 2.31	50.27 0.93 5.40	59.86 0.50 3.33	68.83 1.22 4.07	71.01 0.88 10.05	64.62 -0.40 15.38	58.06 -0.81 15.29	50.92 -1.14 14.70	49.11 -0.66 10.32	48.97 0.22 5.09	48.36 0.90 -0.01
ARTHUR_KILL_3 23513	44.15 1.28 -0.08	40.14 0.94 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.20 0.97 0.00	34.59 1.01 0.00	35.56 1.23 0.00	34.77 1.30 0.00	34.79 1.66 0.00	39.27 1.66 -0.76	42.52 1.75 -0.94	46.72 1.54 -1.24	49.84 1.63 -1.47	50.57 1.34 2.30	50.75 1.42 5.41	60.62 1.25 3.32	69.25 1.65 4.08	71.63 1.52 10.06	65.49 0.49 15.38	58.87 0.00 15.30	51.65 -0.40 14.71	49.76 0.00 10.33	48.91 0.16 5.09	48.03 0.57 0.00



ARTHUR_KILL_COGEN 323718	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.00 1.41 -0.01	35.95 1.61 -0.01	35.08 1.61 -0.01	35.03 1.89 -0.01	39.64 2.03 -0.77	42.92 2.15 -0.94	47.08 1.89 -1.25	49.88 1.68 -1.46	50.67 1.44 2.31	50.54 1.20 5.40	60.11 0.75 3.33	69.12 1.51 4.07	71.40 1.28 10.05	65.02 0.00 15.38	58.43 -0.44 15.29	51.26 -0.80 14.70	49.41 -0.36 10.32	49.18 0.43 5.09	48.56 1.09 -0.01
ASHOKAN____ 23654	44.84 2.05 0.00	40.19 0.98 0.00	37.23 0.91 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.39 0.80 0.00	35.12 0.79 0.00	33.93 0.47 0.00	33.46 0.33 0.00	38.55 1.70 0.00	41.47 1.63 0.00	45.48 1.54 0.00	48.51 1.78 0.00	53.54 2.01 0.00	57.09 2.35 0.00	65.44 2.76 0.00	75.40 3.72 0.00	84.68 4.65 0.14	82.30 1.93 0.02	75.35 1.18 0.00	67.50 0.74 0.00	61.11 1.02 0.00	54.65 0.81 0.00	48.21 0.76 0.00
ASTORIA_EAST_ENERGY_CC1 323581	44.41 1.54 -0.09	40.43 1.22 -0.01	37.50 1.16 -0.01	34.17 1.06 -0.01	33.40 1.16 -0.01	34.80 1.21 -0.01	35.78 1.44 -0.01	34.94 1.47 -0.01	34.89 1.75 -0.01	39.42 1.81 -0.77	42.73 1.95 -0.94	47.04 1.85 -1.25	50.17 1.96 -1.47	54.83 1.70 -1.60	57.87 1.15 -1.97	65.84 0.81 -2.34	74.86 1.65 -1.53	81.67 1.36 -0.13	80.31 -0.08 0.00	73.64 -0.52 0.01	65.95 -0.80 0.01	59.72 -0.36 0.01	54.70 0.86 0.00	48.46 1.00 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	44.41 1.54 -0.09	40.43 1.22 -0.01	37.50 1.16 -0.01	34.17 1.06 -0.01	33.40 1.16 -0.01	34.80 1.21 -0.01	35.78 1.44 -0.01	34.94 1.47 -0.01	34.89 1.75 -0.01	39.42 1.81 -0.77	42.73 1.95 -0.94	47.04 1.85 -1.25	50.17 1.96 -1.47	54.83 1.70 -1.60	57.87 1.15 -1.97	65.84 0.81 -2.34	74.86 1.65 -1.53	81.67 1.36 -0.13	80.31 -0.08 0.00	73.64 -0.52 0.01	65.95 -0.80 0.01	59.72 -0.36 0.01	54.70 0.86 0.00	48.46 1.00 -0.01
ASTORIA_GT2_1 24094	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT2_2 24095	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT2_3 24096	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT2_4 24097	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT3_1 24098	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT3_2 24099	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT3_3 24100	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT3_4 24101	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT4_1 24102	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT4_2 24103	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT4_3 24104	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00



ASTORIA_GT4_4 24105	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	47.03 1.85 -1.24	50.17 1.96 -1.47	54.73 1.60 -1.60	57.87 1.15 -1.98	65.85 0.81 -2.35	74.93 1.72 -1.53	81.75 1.44 -0.13	80.55 0.16 0.00	73.72 -0.44 0.00	66.03 -0.73 0.00	59.73 -0.36 0.00	54.70 0.86 0.00	48.40 0.95 0.00
ASTORIA_GT_1 23523	44.54 1.67 -0.08	40.42 1.22 0.00	37.56 1.24 0.00	34.26 1.16 0.00	33.46 1.22 0.00	34.90 1.31 0.00	35.84 1.51 0.00	35.00 1.54 0.00	34.99 1.86 0.00	39.53 1.92 -0.76	42.84 2.07 -0.94	47.12 1.93 -1.24	50.31 2.10 -1.47	54.83 1.70 -1.60	58.04 1.31 -1.98	66.04 1.00 -2.35	75.07 1.86 -1.53	81.99 1.68 -0.13	80.71 0.32 0.00	73.87 -0.30 0.00	66.16 -0.60 0.00	59.91 -0.18 0.00	54.86 1.02 0.00	48.50 1.04 0.00
ASTORIA_GT_10 24110	44.58 1.71 -0.08	40.46 1.25 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.52 1.29 0.00	34.93 1.34 0.00	35.87 1.54 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.56 1.95 -0.76	42.84 2.07 -0.94	47.08 1.89 -1.24	50.17 1.96 -1.47	54.78 1.65 -1.60	58.15 1.42 -1.98	66.16 1.13 -2.35	75.00 1.79 -1.53	81.96 1.68 -0.10	80.88 0.48 0.00	74.02 -0.15 0.00	66.23 -0.53 0.00	59.97 -0.12 0.00	54.54 0.70 0.00	48.45 1.00 0.00
ASTORIA_GT_11 24225	44.58 1.71 -0.08	40.46 1.25 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.52 1.29 0.00	34.93 1.34 0.00	35.87 1.54 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.56 1.95 -0.76	42.84 2.07 -0.94	47.08 1.89 -1.24	50.17 1.96 -1.47	54.78 1.65 -1.60	58.15 1.42 -1.98	66.16 1.13 -2.35	75.00 1.79 -1.53	81.96 1.68 -0.10	80.88 0.48 0.00	74.02 -0.15 0.00	66.23 -0.53 0.00	59.97 -0.12 0.00	54.54 0.70 0.00	48.45 1.00 0.00
ASTORIA_GT_12 24226	44.58 1.71 -0.08	40.46 1.25 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.52 1.29 0.00	34.93 1.34 0.00	35.87 1.54 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.56 1.95 -0.76	42.84 2.07 -0.94	47.08 1.89 -1.24	50.17 1.96 -1.47	54.78 1.65 -1.60	58.15 1.42 -1.98	66.16 1.13 -2.35	75.00 1.79 -1.53	81.96 1.68 -0.10	80.88 0.48 0.00	74.02 -0.15 0.00	66.23 -0.53 0.00	59.97 -0.12 0.00	54.54 0.70 0.00	48.45 1.00 0.00
ASTORIA_GT_13 24227	44.58 1.71 -0.08	40.46 1.25 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.52 1.29 0.00	34.93 1.34 0.00	35.87 1.54 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.56 1.95 -0.76	42.84 2.07 -0.94	47.08 1.89 -1.24	50.17 1.96 -1.47	54.78 1.65 -1.60	58.15 1.42 -1.98	66.16 1.13 -2.35	75.00 1.79 -1.53	81.96 1.68 -0.10	80.88 0.48 0.00	74.02 -0.15 0.00	66.23 -0.53 0.00	59.97 -0.12 0.00	54.54 0.70 0.00	48.45 1.00 0.00
ASTORIA_GT_5 24106	44.54 1.67 -0.08	40.42 1.22 0.00	37.56 1.24 0.00	34.26 1.16 0.00	33.46 1.22 0.00	34.90 1.31 0.00	35.84 1.51 0.00	35.00 1.54 0.00	34.99 1.86 0.00	39.53 1.92 -0.76	42.84 2.07 -0.94	47.12 1.93 -1.24	50.31 2.10 -1.47	54.83 1.70 -1.60	58.04 1.31 -1.98	66.04 1.00 -2.35	75.07 1.86 -1.53	81.99 1.68 -0.13	80.71 0.32 0.00	73.87 -0.30 0.00	66.16 -0.60 0.00	59.91 -0.18 0.00	54.86 1.02 0.00	48.50 1.04 0.00
ASTORIA_GT_7 24107	44.54 1.67 -0.08	40.42 1.22 0.00	37.56 1.24 0.00	34.26 1.16 0.00	33.46 1.22 0.00	34.90 1.31 0.00	35.84 1.51 0.00	35.00 1.54 0.00	34.99 1.86 0.00	39.53 1.92 -0.76	42.84 2.07 -0.94	47.12 1.93 -1.24	50.31 2.10 -1.47	54.83 1.70 -1.60	58.04 1.31 -1.98	66.04 1.00 -2.35	75.07 1.86 -1.53	81.99 1.68 -0.13	80.71 0.32 0.00	73.87 -0.30 0.00	66.16 -0.60 0.00	59.91 -0.18 0.00	54.86 1.02 0.00	48.50 1.04 0.00
ASTORIA_GT_8 24108	44.54 1.67 -0.08	40.42 1.22 0.00	37.56 1.24 0.00	34.26 1.16 0.00	33.46 1.22 0.00	34.90 1.31 0.00	35.84 1.51 0.00	35.00 1.54 0.00	34.99 1.86 0.00	39.53 1.92 -0.76	42.84 2.07 -0.94	47.12 1.93 -1.24	50.31 2.10 -1.47	54.83 1.70 -1.60	58.04 1.31 -1.98	66.04 1.00 -2.35	75.07 1.86 -1.53	81.99 1.68 -0.13	80.71 0.32 0.00	73.87 -0.30 0.00	66.16 -0.60 0.00	59.91 -0.18 0.00	54.86 1.02 0.00	48.50 1.04 0.00
ASTORIA___2 24149	44.46 1.58 -0.09	40.43 1.22 -0.01	37.50 1.16 -0.01	34.20 1.09 -0.01	33.40 1.16 -0.01	34.84 1.24 -0.01	35.78 1.44 -0.01	34.94 1.47 -0.01	34.93 1.79 -0.01	39.46 1.84 -0.77	42.73 1.95 -0.94	47.04 1.85 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	57.87 1.15 -1.97	65.84 0.81 -2.34	74.93 1.72 -1.53	81.75 1.44 -0.13	80.31 -0.08 0.00	73.71 -0.44 0.01	66.02 -0.73 0.01	59.72 -0.36 0.01	54.70 0.86 0.00	48.51 1.04 -0.01
ASTORIA___3 23516	44.59 1.71 -0.09	40.55 1.33 -0.01	37.61 1.27 -0.01	34.34 1.23 -0.01	33.53 1.29 -0.01	34.94 1.34 -0.01	35.88 1.55 -0.01	35.08 1.61 -0.01	35.03 1.89 -0.01	39.57 1.95 -0.77	42.85 2.07 -0.94	47.13 1.93 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	58.14 1.42 -1.98	66.09 1.06 -2.34	75.00 1.79 -1.53	81.88 1.60 -0.10	80.63 0.24 0.00	74.01 -0.15 0.01	66.22 -0.54 0.01	59.96 -0.12 0.01	54.54 0.70 0.00	48.51 1.04 -0.01
ASTORIA___4 23517	44.58 1.71 -0.08	40.46 1.25 0.00	37.60 1.27 0.00	34.33 1.22 0.00	33.52 1.29 0.00	34.93 1.34 0.00	35.87 1.54 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.56 1.95 -0.76	42.84 2.07 -0.94	47.08 1.89 -1.24	50.17 1.96 -1.47	54.78 1.65 -1.60	58.15 1.42 -1.98	66.10 1.07 -2.35	75.00 1.79 -1.53	81.96 1.68 -0.10	80.88 0.48 0.00	74.02 -0.15 0.00	66.23 -0.53 0.00	59.97 -0.12 0.00	54.54 0.70 0.00	48.45 1.00 0.00
ASTORIA___5 23518	44.59 1.71 -0.09	40.55 1.33 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.53 1.29 -0.01	34.94 1.34 -0.01	35.88 1.55 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.57 1.95 -0.77	42.85 2.07 -0.94	47.13 1.93 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	58.14 1.42 -1.98	66.15 1.13 -2.34	75.00 1.79 -1.53	81.88 1.60 -0.10	80.63 0.24 0.00	74.01 -0.15 0.01	66.22 -0.54 0.01	59.96 -0.12 0.01	54.54 0.70 0.00	48.51 1.04 -0.01
AST_ENERGY_2_CC3 323677	36.11 1.46 8.14	35.71 1.06 4.55	35.71 1.05 1.67	34.10 0.99 0.00	33.33 1.10 0.00	34.69 1.11 0.00	35.66 1.34 0.00	34.84 1.37 0.00	34.82 1.69 0.00	35.71 1.73 2.88	37.72 1.83 3.94	37.72 1.63 7.85	37.72 1.78 10.79	37.72 1.54 15.36	38.85 1.64 17.53	48.77 1.50 15.42	57.40 1.94 16.21	59.71 1.85 22.31	53.64 0.80 27.55	47.02 0.37 27.52	39.80 -0.13 26.83	37.85 0.24 22.48	37.72 0.43 16.55	37.72 0.71 10.45
AST_ENERGY_2_CC4 323678	36.11 1.46 8.14	35.71 1.06 4.55	35.71 1.05 1.67	34.10 0.99 0.00	33.33 1.10 0.00	34.69 1.11 0.00	35.66 1.34 0.00	34.84 1.37 0.00	34.82 1.69 0.00	35.71 1.73 2.88	37.72 1.83 3.94	37.72 1.63 7.85	37.72 1.78 10.79	37.72 1.54 15.36	38.85 1.64 17.53	48.77 1.50 15.42	57.40 1.94 16.21	59.71 1.85 22.31	53.64 0.80 27.55	47.02 0.37 27.52	39.80 -0.13 26.83	37.85 0.24 22.48	37.72 0.43 16.55	37.72 0.71 10.45



ATHENS_STG_1 23668	43.04	39.32	36.58	33.40	32.59	33.92	34.64	33.80	33.59	37.53	40.57	44.58	47.52	52.24	55.60	63.58	72.30	79.97	79.83	73.57	66.09	59.67	53.47	47.27
	0.22	0.12	0.26	0.30	0.36	0.34	0.31	0.33	0.46	0.37	0.36	0.13	0.19	0.05	0.05	-0.06	0.00	-0.24	-0.56	-0.60	-0.67	-0.42	-0.37	-0.19
	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.31	-0.38	-0.50	-0.60	-0.65	-0.81	-0.96	-0.62	-0.04	0.00	0.00	0.00	0.00	0.00	0.00
ATHENS_STG_2 23670	43.04	39.32	36.58	33.40	32.59	33.92	34.64	33.80	33.59	37.53	40.57	44.58	47.52	52.24	55.60	63.58	72.30	79.97	79.83	73.57	66.09	59.67	53.47	47.27
	0.22	0.12	0.26	0.30	0.36	0.34	0.31	0.33	0.46	0.37	0.36	0.13	0.19	0.05	0.05	-0.06	0.00	-0.24	-0.56	-0.60	-0.67	-0.42	-0.37	-0.19
	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.31	-0.38	-0.50	-0.60	-0.65	-0.81	-0.96	-0.62	-0.04	0.00	0.00	0.00	0.00	0.00	0.00
ATHENS_STG_3 23677	43.04	39.32	36.58	33.40	32.59	33.92	34.64	33.80	33.59	37.53	40.57	44.58	47.52	52.24	55.60	63.58	72.30	79.97	79.83	73.57	66.09	59.67	53.47	47.27
	0.22	0.12	0.26	0.30	0.36	0.34	0.31	0.33	0.46	0.37	0.36	0.13	0.19	0.05	0.05	-0.06	0.00	-0.24	-0.56	-0.60	-0.67	-0.42	-0.37	-0.19
	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.31	-0.38	-0.50	-0.60	-0.65	-0.81	-0.96	-0.62	-0.04	0.00	0.00	0.00	0.00	0.00	0.00
AUBURN____LFGE 323710	43.09	39.67	36.44	33.07	32.17	33.52	34.26	33.40	33.00	36.89	39.99	44.56	47.44	52.52	55.78	64.07	73.18	82.10	82.64	76.46	68.96	61.83	55.46	48.59
	0.30	0.47	0.11	-0.03	-0.06	-0.07	-0.07	-0.07	-0.13	0.04	0.16	0.62	0.70	0.98	1.04	1.38	1.51	1.92	2.25	2.30	2.20	1.74	1.62	1.14
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BABYLON_RES_REC 323704	45.39	41.40	38.07	34.53	34.07	35.57	36.11	35.20	35.22	40.15	43.00	45.93	48.55	53.64	57.38	65.47	74.07	81.07	80.07	72.89	64.43	50.11	47.62	45.85
	2.52	2.19	1.74	1.42	1.84	1.98	1.78	1.74	2.09	2.54	2.23	0.75	0.79	0.52	0.66	0.44	0.86	0.88	-0.32	-1.26	-1.60	-0.96	-1.02	-0.62
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.02	-1.58	-1.98	-2.34	-1.53	-0.02	0.01	0.01	0.73	9.02	5.20	0.99
BALL_HILL_WT_PWR 323825	43.43	40.69	36.98	33.17	32.07	33.18	34.02	33.16	32.67	37.33	40.59	46.32	49.26	54.68	58.25	66.58	75.19	84.26	84.65	78.17	70.77	63.51	57.66	50.45
	0.64	1.49	0.65	0.07	-0.16	-0.40	-0.31	-0.30	-0.46	0.48	0.75	2.37	2.52	3.14	3.51	3.89	3.51	4.09	4.26	4.00	4.01	3.42	3.82	2.99
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARON_WINDS____WT_PWR 323822	43.39	40.34	36.83	33.24	32.20	33.38	34.19	33.23	32.70	36.89	40.03	45.18	48.09	53.23	56.60	64.75	73.54	82.50	83.28	77.42	70.03	62.79	56.75	49.69
	0.60	1.14	0.51	0.13	-0.03	-0.20	-0.14	-0.23	-0.43	0.04	0.20	1.23	1.36	1.70	1.86	2.07	1.86	2.33	2.89	3.26	3.27	2.71	2.91	2.23
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BARRETT_IC_1 23704	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	81.57	80.39	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	-0.27	0.01	0.01	0.03	0.41	0.24	0.05
BARRETT_IC_10 23701	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	79.23	80.37	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	2.06	0.02	0.01	0.03	0.41	0.24	0.05
BARRETT_IC_11 23702	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	79.23	80.37	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	2.06	0.02	0.01	0.03	0.41	0.24	0.05
BARRETT_IC_12 23703	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	79.23	80.37	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	2.06	0.02	0.01	0.03	0.41	0.24	0.05
BARRETT_IC_2 23705	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	81.57	80.39	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	-0.27	0.01	0.01	0.03	0.41	0.24	0.05
BARRETT_IC_3 23706	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	81.57	80.39	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	-0.27	0.01	0.01	0.03	0.41	0.24	0.05
BARRETT_IC_4 23707	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	81.57	80.39	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	-0.27	0.01	0.01	0.03	0.41	0.24	0.05
BARRETT_IC_5 23708	45.05	41.09	37.85	34.36	33.88	35.33	35.94	35.04	35.05	39.93	42.76	46.32	49.44	54.10	58.03	66.21	74.86	81.57	80.39	73.71	65.86	59.07	52.90	47.12
	2.18	1.88	1.53	1.26	1.64	1.75	1.61	1.57	1.92	2.32	1.99	1.14	1.26	0.98	1.31	1.19	1.65	1.12	0.00	-0.44	-0.87	-0.60	-0.70	-0.28
	-0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	-0.94	-1.23	-1.44	-1.59	-1.97	-2.34	-1.53	-0.27	0.01	0.01	0.03	0.41	0.24	0.05



BARRETT_IC_6 23709	45.05 2.18 -0.08	41.09 1.88 0.00	37.85 1.53 0.00	34.36 1.26 0.00	33.88 1.64 0.00	35.33 1.75 0.00	35.94 1.61 0.00	35.04 1.57 0.00	35.05 1.92 0.00	39.93 2.32 -0.76	42.76 1.99 -0.94	46.32 1.14 -1.23	49.44 1.26 -1.44	54.10 0.98 -1.59	58.03 1.31 -1.97	66.21 1.19 -2.34	74.86 1.65 -1.53	81.57 1.12 -0.27	80.39 0.00 0.01	73.71 -0.44 0.01	65.86 -0.87 0.03	59.07 -0.60 0.41	52.90 -0.70 0.24	47.12 -0.28 0.05
BARRETT_IC_7 23710	44.92 2.05 -0.08	41.05 1.84 0.00	37.85 1.53 0.00	34.36 1.26 0.00	33.88 1.64 0.00	35.33 1.75 0.00	35.94 1.61 0.00	35.04 1.57 0.00	35.02 1.89 0.00	39.93 2.32 -0.76	42.76 1.99 -0.94	46.28 1.10 -1.23	49.44 1.26 -1.44	54.10 0.98 -1.59	58.03 1.31 -1.97	66.22 1.19 -2.34	74.85 1.65 -1.53	81.89 1.44 -0.27	80.79 0.40 0.01	73.71 -0.44 0.01	65.86 -0.87 0.03	59.07 -0.60 0.41	52.90 -0.70 0.24	47.07 -0.33 0.05
BARRETT_IC_8 23711	45.05 2.18 -0.08	41.09 1.88 0.00	37.85 1.53 0.00	34.36 1.26 0.00	33.88 1.64 0.00	35.33 1.75 0.00	35.94 1.61 0.00	35.04 1.57 0.00	35.05 1.92 0.00	39.93 2.32 -0.76	42.76 1.99 -0.94	46.32 1.14 -1.23	49.44 1.26 -1.44	54.10 0.98 -1.59	58.03 1.31 -1.97	66.21 1.19 -2.34	74.86 1.65 -1.53	81.57 1.12 -0.27	80.39 0.00 0.01	73.71 -0.44 0.01	65.86 -0.87 0.03	59.07 -0.60 0.41	52.90 -0.70 0.24	47.12 -0.28 0.05
BARRETT_IC_9 23700	45.05 2.18 -0.08	41.09 1.88 0.00	37.85 1.53 0.00	34.36 1.26 0.00	33.88 1.64 0.00	35.33 1.75 0.00	35.94 1.61 0.00	35.04 1.57 0.00	35.05 1.92 0.00	39.93 2.32 -0.76	42.76 1.99 -0.94	46.32 1.14 -1.23	49.44 1.26 -1.44	54.10 0.98 -1.59	58.03 1.31 -1.97	66.21 1.19 -2.34	74.86 1.65 -1.53	79.23 1.12 2.06	80.37 0.00 0.02	73.71 -0.44 0.01	65.86 -0.87 0.03	59.07 -0.60 0.41	52.90 -0.70 0.24	47.12 -0.28 0.05
BARRETT___1 23545	45.05 2.18 -0.08	41.09 1.88 0.00	37.85 1.53 0.00	34.36 1.26 0.00	33.88 1.64 0.00	35.33 1.75 0.00	35.94 1.61 0.00	35.04 1.57 0.00	35.05 1.92 0.00	39.93 2.32 -0.76	42.76 1.99 -0.94	46.32 1.14 -1.23	49.44 1.26 -1.44	54.10 0.98 -1.59	58.03 1.31 -1.97	66.21 1.19 -2.34	74.86 1.65 -1.53	81.57 1.12 -0.27	80.39 0.00 0.01	73.71 -0.44 0.01	65.86 -0.87 0.03	59.07 -0.60 0.41	52.90 -0.70 0.24	47.12 -0.28 0.05
BARRETT___2 23546	45.05 2.18 -0.08	41.09 1.88 0.00	37.85 1.53 0.00	34.36 1.26 0.00	33.88 1.64 0.00	35.33 1.75 0.00	35.94 1.61 0.00	35.04 1.57 0.00	35.05 1.92 0.00	39.93 2.32 -0.76	42.76 1.99 -0.94	46.32 1.14 -1.23	49.44 1.26 -1.44	54.10 0.98 -1.59	58.03 1.31 -1.97	66.21 1.19 -2.34	74.86 1.65 -1.53	79.23 1.12 2.06	80.37 0.00 0.02	73.71 -0.44 0.01	65.86 -0.87 0.03	59.07 -0.60 0.41	52.90 -0.70 0.24	47.12 -0.28 0.05
BATAVIA___115KV_TB1 55881	44.12 1.33 0.00	41.67 2.47 0.00	37.53 1.20 0.00	33.64 0.53 0.00	32.52 0.29 0.00	33.75 0.17 0.00	34.46 0.14 0.00	33.26 -0.20 0.00	32.73 -0.40 0.00	37.33 0.48 0.00	40.59 0.76 0.00	46.28 2.33 0.00	49.17 2.43 0.00	54.78 3.25 0.00	58.24 3.50 0.00	66.70 4.01 0.00	75.55 3.87 0.00	84.90 4.73 0.00	85.30 4.90 0.00	79.06 4.89 0.00	71.77 5.01 0.00	64.23 4.15 0.00	58.10 4.25 0.00	51.11 3.65 0.00
BAYONEEC___CTG1 323682	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG10 323750	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG2 323683	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG3 323684	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG4 323685	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG5 323686	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG6 323687	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG7 323688	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00



BAYONEEC___CTG8 323689	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BAYONEEC___CTG9 323749	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.70 1.37 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.20 1.92 -0.10	81.36 0.97 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.26 0.81 0.00
BEACON___LESR 323632	42.73 0.00 0.06	39.17 -0.04 0.00	36.33 0.00 0.00	33.31 0.20 0.00	32.49 0.26 0.00	33.82 0.24 0.00	34.53 0.21 0.00	33.63 0.17 0.00	33.36 0.23 0.00	36.34 0.07 0.59	39.10 0.00 0.73	42.54 -0.44 0.96	45.18 -0.42 1.14	49.83 -0.46 1.24	52.82 -0.38 1.54	60.43 -0.44 1.83	70.13 -0.36 1.19	79.61 -0.48 0.08	79.91 -0.48 0.00	73.72 -0.44 0.00	66.16 -0.60 0.00	59.73 -0.36 0.00	53.41 -0.43 0.00	47.03 -0.43 0.00
BEAVER RIVER___HYD 24048	44.80 2.01 0.00	40.97 1.77 0.00	37.85 1.53 0.00	34.46 1.36 0.00	33.59 1.35 0.00	35.00 1.41 0.00	35.77 1.44 0.00	34.70 1.24 0.00	33.96 0.83 0.00	37.74 0.88 0.00	40.83 1.00 0.00	45.09 1.14 0.00	47.86 1.12 0.00	53.08 1.54 0.00	56.44 1.70 0.00	64.82 2.13 0.00	74.40 2.72 0.00	87.75 3.69 -3.88	89.04 4.82 -3.82	84.81 5.11 -5.53	79.16 4.87 -7.53	73.25 3.79 -9.38	68.04 3.12 -11.08	52.94 2.28 -3.21
BEEBEE_GT_13 23619	43.18 0.39 0.00	40.38 1.18 0.00	36.69 0.36 0.00	33.04 -0.07 0.00	32.01 -0.23 0.00	33.25 -0.34 0.00	34.02 -0.31 0.00	33.16 -0.30 0.00	32.73 -0.40 0.00	37.15 0.29 0.00	40.35 0.52 0.00	45.66 1.71 0.00	48.61 1.87 0.00	54.01 2.47 0.00	57.42 2.68 0.00	65.76 3.07 0.00	74.62 2.94 0.00	83.62 3.45 0.00	83.85 3.46 0.00	77.43 3.26 0.00	70.10 3.34 0.00	62.79 2.70 0.00	56.59 2.75 0.00	49.64 2.18 0.00
BENSHRST_27_KV_BENSHRST_1 355998	45.05 2.18 -0.08	40.85 1.65 0.00	37.96 1.63 0.00	34.60 1.49 0.00	33.78 1.55 0.00	35.16 1.58 0.00	36.15 1.82 0.00	35.30 1.84 0.00	35.25 2.12 0.00	39.90 2.28 -0.76	43.20 2.43 -0.94	47.52 2.33 -1.24	50.54 2.34 -1.47	55.25 2.11 -1.60	58.64 1.92 -1.98	66.60 1.57 -2.35	75.65 2.44 -1.53	82.68 2.41 -0.10	81.52 1.13 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.97 1.13 0.00	48.88 1.42 0.00
BETHLEHEM___GRP 23843	42.09 -0.64 0.06	38.50 -0.71 0.00	35.85 -0.47 0.00	32.91 -0.20 0.00	32.10 -0.13 0.00	33.42 -0.17 0.00	34.12 -0.21 0.00	33.23 -0.23 0.00	32.96 -0.17 0.00	35.89 -0.41 0.55	38.59 -0.56 0.68	42.03 -1.01 0.91	44.59 -1.07 1.07	49.18 -1.19 1.17	52.03 -1.26 1.45	59.53 -1.44 1.72	68.98 -1.58 1.12	78.25 -1.84 0.07	78.46 -1.93 0.00	72.24 -1.93 0.00	64.89 -1.87 0.00	58.58 -1.50 0.00	52.39 -1.45 0.00	46.32 -1.14 0.00
BETHLEHEM___GS1 323560	42.09 -0.64 0.06	38.58 -0.63 0.00	35.85 -0.47 0.00	32.91 -0.20 0.00	32.10 -0.13 0.00	33.42 -0.17 0.00	34.12 -0.20 0.00	33.23 -0.23 0.00	32.96 -0.16 0.00	35.90 -0.40 0.55	38.59 -0.56 0.68	41.99 -1.06 0.91	44.59 -1.07 1.07	49.19 -1.18 1.17	52.04 -1.26 1.45	59.53 -1.44 1.72	68.98 -1.58 1.12	78.26 -1.84 0.07	78.39 -2.01 0.00	72.24 -1.93 0.00	64.89 -1.87 0.00	58.59 -1.50 0.00	52.39 -1.45 0.00	46.22 -1.23 0.00
BETHLEHEM___GS2 323561	42.09 -0.64 0.06	38.58 -0.63 0.00	35.85 -0.47 0.00	32.91 -0.20 0.00	32.10 -0.13 0.00	33.42 -0.17 0.00	34.12 -0.20 0.00	33.23 -0.23 0.00	32.96 -0.16 0.00	35.90 -0.40 0.55	38.59 -0.56 0.68	41.99 -1.06 0.91	44.59 -1.07 1.07	49.19 -1.18 1.17	52.04 -1.26 1.45	59.53 -1.44 1.72	68.98 -1.58 1.12	78.26 -1.84 0.07	78.39 -2.01 0.00	72.24 -1.93 0.00	64.89 -1.87 0.00	58.59 -1.50 0.00	52.39 -1.45 0.00	46.22 -1.23 0.00
BETHLEHEM___GS3 323562	42.09 -0.64 0.06	38.58 -0.63 0.00	35.85 -0.47 0.00	32.91 -0.20 0.00	32.10 -0.13 0.00	33.42 -0.17 0.00	34.12 -0.20 0.00	33.23 -0.23 0.00	32.96 -0.16 0.00	35.90 -0.40 0.55	38.59 -0.56 0.68	41.99 -1.06 0.91	44.59 -1.07 1.07	49.19 -1.18 1.17	52.04 -1.26 1.45	59.53 -1.44 1.72	68.98 -1.58 1.12	78.26 -1.84 0.07	78.39 -2.01 0.00	72.24 -1.93 0.00	64.89 -1.87 0.00	58.59 -1.50 0.00	52.39 -1.45 0.00	46.22 -1.23 0.00
BETHLEHEM___STEEL 23779	43.35 0.56 0.00	41.05 1.84 0.00	36.91 0.58 0.00	33.11 0.00 0.00	32.01 -0.23 0.00	33.12 -0.47 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.60 -0.53 0.00	37.19 0.33 0.00	40.47 0.64 0.00	46.19 2.24 0.00	49.12 2.38 0.00	54.53 2.99 0.00	58.08 3.34 0.00	66.39 3.70 0.00	74.97 3.30 0.00	83.86 3.69 0.00	83.93 3.54 0.00	77.95 3.78 0.00	70.50 3.74 0.00	63.27 3.18 0.00	57.50 3.66 0.00	50.44 2.99 0.00
BETHLHEM_115KV_TB1 79974	42.22 -0.51 0.05	38.66 -0.55 0.00	35.96 -0.36 0.00	32.97 -0.13 0.00	32.17 -0.06 0.00	33.48 -0.10 0.00	34.19 -0.14 0.00	33.30 -0.17 0.00	33.03 -0.10 0.00	36.04 -0.29 0.52	38.75 -0.44 0.65	42.26 -0.83 0.85	44.84 -0.89 1.01	49.41 -1.03 1.10	52.33 -1.04 1.37	59.82 -1.25 1.62	69.33 -1.29 1.06	78.50 -1.60 0.07	78.70 -1.69 0.00	72.46 -1.71 0.00	65.09 -1.67 0.00	58.76 -1.32 0.00	52.60 -1.24 0.00	46.46 -1.00 0.00
BETHPAGE_CC_5 323564	45.09 2.22 -0.08	41.13 1.92 0.00	37.92 1.60 0.00	34.43 1.33 0.00	33.94 1.71 0.00	35.43 1.85 0.00	36.01 1.68 0.00	35.10 1.64 0.00	35.15 2.02 0.00	40.04 2.43 -0.76	42.88 2.11 -0.94	46.23 1.05 -1.23	49.06 1.26 -1.06	54.00 0.88 -1.58	57.92 1.20 -1.98	66.09 1.06 -2.34	74.71 1.51 -1.53	81.72 1.52 -0.03	80.71 0.32 0.01	73.56 -0.60 0.01	65.10 -1.00 0.66	51.15 -0.66 8.28	48.26 -0.81 4.78	46.22 -0.33 0.91
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	43.43 0.64 0.00	41.09 1.88 0.00	36.94 0.62 0.00	33.14 0.03 0.00	32.04 -0.19 0.00	33.15 -0.44 0.00	33.98 -0.34 0.00	33.10 -0.37 0.00	32.67 -0.46 0.00	37.30 0.44 0.00	40.59 0.76 0.00	46.36 2.42 0.00	49.26 2.52 0.00	54.73 3.20 0.00	58.24 3.50 0.00	66.64 3.95 0.00	75.26 3.58 0.00	84.18 4.01 0.00	84.17 3.78 0.00	78.17 4.00 0.00	70.70 3.94 0.00	63.45 3.36 0.00	57.61 3.77 0.00	50.54 3.08 0.00
BINGHAMTON___COGEN 23790	43.13 0.34 0.00	39.83 0.63 0.00	36.62 0.29 0.00	33.24 0.13 0.00	32.33 0.10 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.53 0.07 0.00	33.23 0.10 0.00	37.15 0.29 0.00	40.23 0.40 0.00	44.78 0.83 0.00	47.72 0.98 0.00	52.72 1.19 0.00	56.05 1.31 0.00	64.19 1.50 0.00	73.18 1.51 0.00	81.78 1.60 0.00	82.08 1.69 0.00	76.02 1.85 0.00	68.50 1.74 0.00	61.53 1.44 0.00	55.30 1.45 0.00	48.59 1.14 0.00



BIXINCNT_115KV_LOAD 355685	43.47 0.68 0.00	41.05 1.84 0.00	36.94 0.62 0.00	33.21 0.10 0.00	32.10 -0.13 0.00	33.22 -0.37 0.00	34.09 -0.24 0.00	33.30 -0.17 0.00	32.93 -0.20 0.00	37.55 0.70 0.00	40.83 1.00 0.00	46.54 2.59 0.00	49.54 2.80 0.00	54.94 3.40 0.00	58.46 3.72 0.00	66.70 4.01 0.00	75.33 3.66 0.00	84.26 4.09 0.00	84.25 3.86 0.00	78.24 4.08 0.00	70.63 3.87 0.00	63.21 3.12 0.00	57.56 3.72 0.00	50.40 2.94 0.00
BLACK RIVER___HYD 24047	45.44 2.65 0.00	41.56 2.35 0.00	38.32 2.00 0.00	34.86 1.75 0.00	33.97 1.74 0.00	35.40 1.81 0.00	36.11 1.78 0.00	35.00 1.54 0.00	34.19 1.06 0.00	38.00 1.14 0.00	41.11 1.27 0.00	45.44 1.50 0.00	48.28 1.54 0.00	53.60 2.06 0.00	56.99 2.25 0.00	65.57 2.89 0.00	75.33 3.65 0.00	87.66 4.81 -2.68	89.54 6.51 -2.63	84.95 6.97 -3.81	78.56 6.61 -5.19	71.96 5.41 -6.46	66.11 4.63 -7.63	53.13 3.46 -2.21
BLACKRVR_115KV_TB2 79977	45.44 2.65 0.00	41.60 2.39 0.00	38.32 2.00 0.00	34.86 1.75 0.00	33.97 1.74 0.00	35.40 1.81 0.00	36.11 1.79 0.00	35.00 1.54 0.00	34.19 1.06 0.00	38.00 1.14 0.00	41.11 1.27 0.00	45.44 1.49 0.00	48.28 1.54 0.00	53.60 2.06 0.00	56.99 2.24 0.00	65.57 2.88 0.00	75.33 3.66 0.00	87.66 4.81 -2.68	89.46 6.43 -2.63	84.95 6.97 -3.81	78.56 6.61 -5.19	71.96 5.41 -6.46	66.11 4.63 -7.63	53.13 3.46 -2.21
BLDWN_LI_69_KV_BK4 356085	45.26 2.40 -0.08	41.32 2.12 0.00	38.11 1.78 0.00	34.56 1.46 0.00	34.07 1.84 0.00	35.57 1.98 0.00	36.15 1.82 0.00	35.24 1.77 0.00	35.25 2.12 0.00	40.19 2.58 -0.76	43.12 2.35 -0.94	46.72 1.54 -1.24	49.80 1.82 -1.24	54.72 1.60 -1.59	58.74 2.03 -1.98	66.85 1.82 -2.34	75.57 2.37 -1.53	82.76 2.49 -0.10	81.76 1.37 0.00	74.45 0.30 0.01	66.39 0.00 0.37	55.23 0.18 5.04	50.88 -0.05 2.91	47.09 0.19 0.55
BLISS_WT_PWR 323608	43.43 0.64 0.00	40.61 1.41 0.00	36.91 0.58 0.00	33.17 0.07 0.00	32.07 -0.16 0.00	33.18 -0.40 0.00	34.05 -0.28 0.00	33.30 -0.17 0.00	32.86 -0.27 0.00	37.55 0.70 0.00	40.83 1.00 0.00	46.54 2.59 0.00	49.54 2.80 0.00	54.94 3.40 0.00	58.52 3.77 0.00	66.76 4.07 0.00	75.33 3.65 0.00	84.42 4.25 0.00	84.65 4.26 0.00	78.24 4.08 0.00	70.56 3.80 0.00	63.15 3.06 0.00	57.45 3.61 0.00	50.21 2.75 0.00
BLUESTONE___WT_PWR 323821	45.14 2.35 0.00	41.44 2.23 0.00	38.21 1.89 0.00	34.73 1.62 0.00	33.81 1.58 0.00	35.16 1.58 0.00	35.94 1.61 0.00	35.10 1.64 0.00	34.55 1.42 0.00	38.55 1.70 0.00	41.82 1.99 0.00	46.45 2.50 0.00	49.45 2.71 0.00	54.88 3.35 0.00	58.41 3.67 0.00	67.07 4.39 0.00	76.69 5.02 0.00	86.02 5.85 0.00	86.99 6.59 0.00	80.47 6.30 0.00	72.57 5.81 0.00	65.07 4.98 0.00	58.31 4.47 0.00	50.97 3.51 0.00
BLUE_CIRC_CHEM_DRP 24182	42.75 0.00 0.04	39.13 -0.08 0.00	36.40 0.07 0.00	33.30 0.20 0.00	32.49 0.26 0.00	33.82 0.24 0.00	34.50 0.17 0.00	33.53 0.07 0.00	33.16 0.03 0.00	36.34 -0.15 0.36	39.10 -0.28 0.45	41.90 -1.45 0.59	44.49 -1.54 0.70	49.02 -1.75 0.76	51.99 -1.81 0.95	59.56 -2.01 1.12	68.79 -2.15 0.73	77.49 -2.49 0.20	77.96 -2.41 0.02	72.01 -2.15 0.00	64.76 -2.00 0.00	58.46 -1.62 0.00	52.33 -1.51 0.00	46.17 -1.28 0.00
BOC_GAS_DRP 24189	42.63 -0.13 0.04	38.97 -0.24 0.00	36.29 -0.04 0.00	33.17 0.07 0.00	32.36 0.13 0.00	33.69 0.10 0.00	34.40 0.07 0.00	33.50 0.03 0.00	33.26 0.13 0.00	36.51 0.00 0.35	39.32 -0.08 0.43	42.98 -0.40 0.57	45.69 -0.37 0.67	50.29 -0.52 0.73	53.34 -0.49 0.91	60.98 -0.63 1.08	70.26 -0.72 0.70	79.17 -0.96 0.04	79.27 -1.13 0.00	73.05 -1.11 0.00	65.69 -1.07 0.00	59.25 -0.84 0.00	53.03 -0.81 0.00	46.89 -0.57 0.00
BOONVILLE_115KV_TB1 79983	44.25 1.45 0.00	40.54 1.33 0.00	37.45 1.13 0.00	34.10 0.99 0.00	33.23 1.00 0.00	34.63 1.04 0.00	35.36 1.03 0.00	34.43 0.97 0.00	33.86 0.73 0.00	37.66 0.81 0.00	40.79 0.96 0.00	45.05 1.10 0.00	47.86 1.12 0.00	53.03 1.49 0.00	56.38 1.64 0.00	64.76 2.07 0.00	74.19 2.51 0.00	84.67 3.05 -1.46	85.60 3.78 -1.43	80.09 3.86 -2.07	73.12 3.54 -2.82	66.37 2.76 -3.51	60.31 2.32 -4.15	50.32 1.66 -1.20
BORALEX_4TH_BRANCH 23824	43.54 0.90 0.15	39.95 0.74 0.00	37.27 0.94 0.00	34.03 0.93 0.00	33.23 1.00 0.00	34.56 0.97 0.00	35.32 1.00 0.00	34.47 1.00 0.00	34.19 1.06 0.00	36.28 0.92 1.50	38.73 0.76 1.85	42.02 0.53 2.45	44.44 0.61 2.90	49.15 0.77 3.16	51.58 0.77 3.92	58.92 0.88 4.65	69.79 1.15 3.04	81.25 1.28 0.20	81.60 1.21 0.00	75.28 1.11 0.00	67.63 0.87 0.00	61.11 1.02 0.00	54.60 0.75 0.00	48.21 0.76 0.00
BOWLINE___1 23526	43.76 0.90 -0.07	39.83 0.63 0.00	37.01 0.69 0.00	33.83 0.73 0.00	33.04 0.81 0.00	34.39 0.80 0.00	35.25 0.93 0.00	34.47 1.00 0.00	34.42 1.29 0.00	38.78 1.21 -0.71	41.98 1.27 -0.88	46.16 1.05 -1.16	49.28 1.17 -1.38	54.06 1.03 -1.50	57.70 1.09 -1.86	65.95 1.06 -2.20	74.41 1.29 -1.44	81.39 1.12 -0.10	80.80 0.40 0.00	74.16 0.00 0.00	66.49 -0.27 0.00	60.09 0.00 0.00	53.84 0.00 0.00	47.74 0.29 0.00
BOWLINE___2 23595	43.80 0.94 -0.07	39.87 0.67 0.00	37.05 0.73 0.00	33.83 0.73 0.00	33.04 0.81 0.00	34.39 0.80 0.00	35.25 0.93 0.00	34.50 1.04 0.00	34.46 1.33 0.00	38.82 1.25 -0.71	42.02 1.31 -0.88	46.25 1.14 -1.16	49.38 1.26 -1.38	54.12 1.08 -1.50	57.80 1.20 -1.86	66.02 1.13 -2.20	74.55 1.43 -1.44	81.55 1.28 -0.10	80.88 0.49 0.00	74.31 0.15 0.00	66.63 -0.13 0.00	60.21 0.12 0.00	53.95 0.11 0.00	47.79 0.33 0.00
BRADY___115KV_TB2 356060	44.46 1.67 0.00	40.66 1.45 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.46 1.22 0.00	34.90 1.31 0.00	35.70 1.37 0.00	34.64 1.17 0.00	33.92 0.80 0.00	37.63 0.77 0.00	40.71 0.88 0.00	44.87 0.92 0.00	47.49 0.75 0.00	52.46 0.93 0.00	55.62 0.88 0.00	63.82 1.13 0.00	73.33 1.65 0.00	96.06 2.32 -13.56	96.55 2.81 -13.35	96.44 2.97 -19.31	95.98 2.94 -26.28	95.35 2.52 -32.74	94.72 2.21 -38.67	60.69 1.95 -11.29
BRANSCOMB___SOLAR 323811	44.04 1.33 0.08	40.42 1.22 0.00	37.45 1.13 0.00	34.23 1.13 0.00	33.36 1.13 0.00	34.76 1.17 0.00	35.50 1.17 0.00	34.50 1.04 0.00	34.09 0.96 0.00	36.88 0.78 0.75	39.46 0.56 0.93	43.02 0.31 1.23	45.70 0.42 1.46	50.41 0.46 1.59	53.43 0.66 1.97	61.30 0.94 2.33	71.51 1.36 1.52	81.83 1.76 0.10	82.89 2.49 0.00	76.83 2.67 0.00	69.10 2.34 0.00	62.31 2.22 0.00	55.67 1.83 0.00	48.93 1.47 0.00
BRDGHMPT_69_KV_BK1 55812	46.29 3.42 -0.08	42.34 3.14 0.00	38.87 2.54 0.00	35.19 2.09 0.00	34.84 2.61 0.00	36.41 2.82 0.00	36.83 2.51 0.00	35.87 2.41 0.00	35.95 2.82 0.00	41.22 3.61 -0.76	44.39 3.62 -0.94	47.86 2.68 -1.23	50.72 3.04 -0.95	56.26 3.14 -1.58	60.66 3.94 -1.97	69.29 4.26 -2.34	78.65 5.45 -1.53	86.59 6.41 0.00	85.37 4.98 0.01	77.04 2.89 0.01	67.66 1.74 0.84	51.54 1.62 10.17	48.95 0.97 5.86	47.29 0.95 1.11



BRENTWOD_69_KV_W. BRTWOOD 56703	45.43 2.57 -0.08	41.60 2.39 0.00	38.25 1.93 0.00	34.69 1.59 0.00	34.26 2.03 0.00	35.80 2.22 0.00	36.32 1.99 0.00	35.37 1.91 0.00	35.35 2.22 0.00	40.38 2.76 -0.76	43.20 2.43 -0.94	46.41 1.23 -1.23	49.00 1.31 -0.96	54.20 1.08 -1.58	58.25 1.53 -1.97	66.22 1.19 -2.34	75.00 1.79 -1.53	82.26 2.08 -0.01	81.27 0.88 0.01	73.71 -0.44 0.01	65.34 -0.60 0.82	49.74 -0.36 9.98	47.65 -0.43 5.76	46.22 -0.14 1.09
BRISTLHL_115KV_TB1 79998	42.23 -0.56 0.00	38.81 -0.39 0.00	35.78 -0.54 0.00	32.54 -0.56 0.00	31.65 -0.58 0.00	32.95 -0.64 0.00	33.71 -0.62 0.00	32.86 -0.60 0.00	32.50 -0.63 0.00	36.26 -0.59 0.00	39.27 -0.56 0.00	43.55 -0.40 0.00	46.41 -0.33 0.00	51.28 -0.26 0.00	54.36 -0.38 0.00	62.37 -0.31 0.00	71.25 -0.43 0.00	79.69 -0.48 0.00	80.07 -0.32 0.00	74.02 -0.15 0.00	66.69 -0.07 0.00	59.91 -0.18 0.00	53.73 -0.11 0.00	47.27 -0.19 0.00
BROOKHAVEN___DRP 24191	45.05 2.18 -0.08	41.16 1.96 0.00	37.85 1.53 0.00	34.30 1.19 0.00	33.91 1.68 0.00	35.43 1.85 0.00	35.91 1.58 0.00	34.97 1.51 0.00	34.99 1.86 0.00	40.01 2.40 -0.76	42.88 2.11 -0.94	46.01 0.83 -1.23	48.62 0.93 -0.95	53.79 0.67 -1.58	57.92 1.20 -1.97	66.03 1.00 -2.34	74.85 1.65 -1.53	82.18 2.00 0.00	81.19 0.80 0.01	73.48 -0.67 0.01	64.85 -1.07 0.84	49.13 -0.78 10.17	47.01 -0.97 5.87	45.68 -0.66 1.11
BROOKLYN_NAVY_YARD 23515	44.36 1.50 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.33 1.10 0.00	34.73 1.14 0.00	35.74 1.41 0.00	34.93 1.47 0.00	34.92 1.79 0.00	39.45 1.84 -0.76	42.64 1.87 -0.94	46.90 1.71 -1.24	50.02 1.82 -1.47	54.73 1.60 -1.60	58.42 1.70 -1.98	66.60 1.57 -2.35	75.29 2.08 -1.53	82.33 2.01 -0.15	81.36 0.97 0.00	74.61 0.45 0.00	66.69 -0.07 0.00	60.39 0.30 0.00	54.33 0.48 0.00	48.21 0.76 0.00
BROOKLYN___ARMY_DRP 323595	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
BROOME_2_LFGE 323671	43.13 0.34 0.00	39.71 0.51 0.00	36.62 0.29 0.00	33.24 0.13 0.00	32.33 0.10 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.53 0.07 0.00	33.20 0.07 0.00	37.15 0.29 0.00	40.23 0.40 0.00	44.78 0.83 0.00	47.72 0.98 0.00	52.72 1.19 0.00	56.05 1.31 0.00	64.19 1.50 0.00	73.19 1.51 0.00	81.86 1.69 0.00	82.24 1.85 0.00	76.02 1.85 0.00	68.49 1.73 0.00	61.53 1.44 0.00	55.30 1.45 0.00	48.59 1.14 0.00
BROOME___LFGE 323600	43.13 0.34 0.00	39.71 0.51 0.00	36.62 0.29 0.00	33.24 0.13 0.00	32.33 0.10 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.53 0.07 0.00	33.20 0.07 0.00	37.15 0.29 0.00	40.23 0.40 0.00	44.78 0.83 0.00	47.72 0.98 0.00	52.72 1.19 0.00	56.05 1.31 0.00	64.19 1.50 0.00	73.19 1.51 0.00	81.86 1.69 0.00	82.24 1.85 0.00	76.02 1.85 0.00	68.49 1.73 0.00	61.53 1.44 0.00	55.30 1.45 0.00	48.59 1.14 0.00
BROWNFLS_115KV_TB 3_5 80003	44.42 1.63 0.00	40.62 1.41 0.00	37.53 1.20 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.56 1.24 0.00	34.53 1.07 0.00	33.86 0.73 0.00	37.63 0.77 0.00	40.71 0.88 0.00	44.96 1.01 0.00	47.63 0.89 0.00	52.77 1.24 0.00	56.00 1.26 0.00	64.32 1.63 0.00	73.83 2.15 0.00	90.16 2.97 -7.03	91.09 3.78 -6.92	88.10 3.93 -10.01	84.11 3.74 -13.62	80.00 2.94 -16.96	76.36 2.48 -20.04	55.11 1.85 -5.81
BROWNSV1_27_KV_LOAD 356125	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.46 1.36 0.00	33.65 1.42 0.00	35.06 1.48 0.00	36.04 1.72 0.00	35.24 1.77 0.00	35.22 2.09 0.00	39.79 2.17 -0.76	43.08 2.31 -0.94	47.38 2.20 -1.24	50.59 2.38 -1.47	55.40 2.27 -1.60	59.13 2.41 -1.98	67.41 2.38 -2.35	76.22 3.01 -1.53	83.32 3.05 -0.10	82.48 2.09 0.00	75.57 1.41 0.00	67.56 0.80 0.00	61.11 1.02 0.00	54.97 1.13 0.00	48.69 1.23 0.00
BURROWS___LYONSDAL 23803	44.37 1.58 0.00	40.66 1.45 0.00	37.56 1.24 0.00	34.20 1.09 0.00	33.33 1.10 0.00	34.73 1.14 0.00	35.46 1.13 0.00	34.50 1.04 0.00	33.89 0.76 0.00	37.70 0.85 0.00	40.79 0.96 0.00	45.05 1.10 0.00	47.86 1.12 0.00	53.03 1.49 0.00	56.38 1.64 0.00	64.76 2.07 0.00	74.26 2.58 0.00	85.31 3.21 -1.93	86.31 4.02 -1.90	81.07 4.15 -2.75	74.38 3.87 -3.74	67.70 2.94 -4.67	61.77 2.42 -5.51	50.76 1.71 -1.60
CAITHNESS_CC_1 323624	45.18 2.31 -0.08	41.20 2.00 0.00	37.85 1.53 0.00	34.30 1.19 0.00	33.91 1.68 0.00	35.40 1.81 0.00	35.91 1.58 0.00	34.97 1.51 0.00	34.98 1.85 0.00	39.97 2.36 -0.76	42.80 2.03 -0.94	45.97 0.79 -1.23	48.53 0.84 -0.95	53.69 0.57 -1.58	57.75 1.04 -1.97	65.84 0.81 -2.34	74.64 1.43 -1.53	81.86 1.69 0.00	80.71 0.32 0.01	73.26 -0.89 0.01	64.65 -1.27 0.84	49.01 -0.90 10.18	46.95 -1.02 5.87	45.68 -0.66 1.11
CALPINE BETH_PAGE_GT4 24209	44.92 2.05 -0.08	41.09 1.88 0.00	37.96 1.63 0.00	34.50 1.39 0.00	34.00 1.77 0.00	35.47 1.88 0.00	36.08 1.75 0.00	35.17 1.71 0.00	35.18 2.05 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.32 1.14 -1.23	49.20 1.36 -1.11	54.05 0.93 -1.59	57.98 1.26 -1.98	66.09 1.07 -2.34	74.71 1.51 -1.53	81.82 1.60 -0.04	80.87 0.48 0.00	73.56 -0.59 0.01	65.25 -0.93 0.58	51.99 -0.66 7.44	48.80 -0.75 4.29	46.36 -0.28 0.81
CALPINE_BETH_PAGE_GT_4 323586	45.09 2.22 -0.08	41.13 1.92 0.00	37.96 1.64 0.00	34.50 1.39 0.00	34.00 1.77 0.00	35.46 1.88 0.00	36.08 1.75 0.00	35.17 1.71 0.00	35.18 2.05 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.37 1.19 -1.23	49.20 1.36 -1.11	54.05 0.93 -1.59	57.98 1.26 -1.98	66.09 1.06 -2.34	74.71 1.51 -1.53	81.73 1.52 -0.04	80.71 0.32 0.00	73.56 -0.60 0.01	65.25 -0.93 0.58	51.99 -0.66 7.44	48.80 -0.75 4.29	46.40 -0.24 0.81
CALPINE_BP_GT1 23823	45.09 2.22 -0.08	41.13 1.92 0.00	37.96 1.64 0.00	34.50 1.39 0.00	34.00 1.77 0.00	35.46 1.88 0.00	36.08 1.75 0.00	35.17 1.71 0.00	35.18 2.05 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.37 1.19 -1.23	49.20 1.36 -1.11	54.05 0.93 -1.59	57.98 1.26 -1.98	66.09 1.06 -2.34	74.71 1.51 -1.53	81.73 1.52 -0.04	80.71 0.32 0.00	73.56 -0.60 0.01	65.25 -0.93 0.58	51.99 -0.66 7.44	48.80 -0.75 4.29	46.40 -0.24 0.81
CALSPAN___DRP 24200	43.35 0.56 0.00	41.05 1.84 0.00	36.91 0.58 0.00	33.11 0.00 0.00	32.01 -0.23 0.00	33.12 -0.47 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.60 -0.53 0.00	37.19 0.33 0.00	40.47 0.64 0.00	46.19 2.24 0.00	49.12 2.38 0.00	54.53 2.99 0.00	58.08 3.34 0.00	66.39 3.70 0.00	74.97 3.30 0.00	83.86 3.69 0.00	83.93 3.54 0.00	77.95 3.78 0.00	70.50 3.74 0.00	63.27 3.18 0.00	57.50 3.66 0.00	50.44 2.99 0.00



CALVERTON___SOLAR 323806	45.35 2.48 -0.08	41.32 2.12 0.00	37.96 1.64 0.00	34.36 1.26 0.00	34.00 1.77 0.00	35.53 1.95 0.00	35.98 1.65 0.00	35.04 1.57 0.00	35.08 1.95 0.00	40.08 2.47 -0.76	43.00 2.23 -0.94	46.23 1.05 -1.23	48.80 1.12 -0.95	54.05 0.93 -1.58	58.19 1.48 -1.97	66.34 1.32 -2.34	75.28 2.08 -1.53	82.66 2.49 0.00	81.51 1.12 0.01	73.93 -0.22 0.01	65.19 -0.73 0.84	49.37 -0.54 10.17	47.22 -0.75 5.87	45.91 -0.43 1.11
CANDIGU_WT_PWR 323617	43.39 0.60 0.00	40.34 1.14 0.00	36.83 0.51 0.00	33.24 0.13 0.00	32.20 -0.03 0.00	33.38 -0.20 0.00	34.19 -0.14 0.00	33.23 -0.23 0.00	32.70 -0.43 0.00	36.89 0.04 0.00	40.03 0.20 0.00	45.18 1.23 0.00	48.09 1.36 0.00	53.23 1.70 0.00	56.60 1.86 0.00	64.75 2.07 0.00	73.54 1.86 0.00	82.50 2.33 0.00	83.28 2.89 0.00	77.42 3.26 0.00	70.03 3.27 0.00	62.79 2.71 0.00	56.75 2.91 0.00	49.69 2.23 0.00
CARR STREET_E_SYR 24060	42.40 -0.39 0.00	39.01 -0.20 0.00	35.96 -0.36 0.00	32.71 -0.40 0.00	31.78 -0.45 0.00	33.12 -0.47 0.00	33.85 -0.48 0.00	33.00 -0.47 0.00	32.67 -0.46 0.00	36.49 -0.37 0.00	39.51 -0.32 0.00	43.90 -0.04 0.00	46.78 0.05 0.00	51.54 0.00 0.00	54.74 0.00 0.00	62.81 0.13 0.00	71.68 0.00 0.00	80.25 0.08 0.00	80.63 0.24 0.00	74.46 0.30 0.00	67.03 0.27 0.00	60.21 0.12 0.00	54.06 0.22 0.00	47.60 0.14 0.00
CARTHAGE___PAPER 23857	45.14 2.35 0.00	41.24 2.04 0.00	38.07 1.74 0.00	34.66 1.56 0.00	33.78 1.55 0.00	35.23 1.65 0.00	35.98 1.65 0.00	34.87 1.41 0.00	34.09 0.96 0.00	37.85 1.00 0.00	40.95 1.11 0.00	45.18 1.23 0.00	47.95 1.21 0.00	53.23 1.70 0.00	56.54 1.80 0.00	65.07 2.38 0.00	74.76 3.08 0.00	87.48 4.17 -3.14	89.11 5.63 -3.09	84.65 6.00 -4.48	78.59 5.74 -6.09	72.24 4.56 -7.59	66.69 3.88 -8.97	52.90 2.85 -2.60
CASSADAGA_WT_PWR 323784	44.37 1.58 0.00	41.52 2.31 0.00	37.67 1.34 0.00	33.80 0.70 0.00	32.65 0.42 0.00	33.79 0.20 0.00	34.67 0.34 0.00	33.90 0.43 0.00	33.43 0.30 0.00	38.29 1.44 0.00	41.63 1.79 0.00	47.55 3.60 0.00	50.61 3.88 0.00	56.18 4.64 0.00	59.83 5.09 0.00	68.39 5.70 0.00	77.27 5.59 0.00	86.66 6.49 0.00	86.99 6.59 0.00	80.40 6.23 0.00	72.64 5.88 0.00	65.13 5.05 0.00	59.17 5.33 0.00	51.58 4.13 0.00
CE_DUNWOOD___DRP 24194	44.11 1.24 -0.08	40.07 0.86 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.23 1.00 0.00	34.59 1.01 0.00	35.53 1.20 0.00	34.70 1.24 0.00	34.62 1.49 0.00	39.12 1.51 -0.76	42.36 1.59 -0.93	46.59 1.41 -1.24	49.74 1.54 -1.46	54.52 1.39 -1.59	58.25 1.53 -1.98	66.47 1.44 -2.34	75.00 1.79 -1.53	82.04 1.76 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.89 0.13 0.00	60.45 0.36 0.00	54.22 0.38 0.00	47.98 0.52 0.00
CE_MILLWOOD___DRP 24193	44.02 1.16 -0.08	39.99 0.78 0.00	37.20 0.87 0.00	33.93 0.83 0.00	33.17 0.93 0.00	34.53 0.94 0.00	35.43 1.10 0.00	34.60 1.14 0.00	34.55 1.42 0.00	39.04 1.44 -0.75	42.27 1.51 -0.93	46.45 1.27 -1.23	49.64 1.45 -1.45	54.41 1.29 -1.58	58.13 1.42 -1.96	66.39 1.38 -2.32	74.84 1.65 -1.52	81.88 1.60 -0.10	81.36 0.96 0.00	74.54 0.37 0.00	66.83 0.07 0.00	60.39 0.30 0.00	54.11 0.27 0.00	47.93 0.47 0.00
CE_NYC2_DRP 24202	44.58 1.71 -0.08	40.50 1.29 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.55 1.32 0.00	34.93 1.34 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.05 1.92 0.00	39.60 1.99 -0.76	42.88 2.11 -0.94	47.12 1.93 -1.24	50.21 2.01 -1.47	54.88 1.75 -1.60	58.20 1.48 -1.98	66.22 1.19 -2.35	75.07 1.86 -1.53	82.04 1.76 -0.10	80.96 0.56 0.00	74.09 -0.07 0.00	66.29 -0.47 0.00	60.03 -0.06 0.00	54.60 0.75 0.00	48.45 1.00 0.00
CE_NYC_DRP 24195	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.42 1.19 0.00	34.79 1.21 0.00	35.77 1.44 0.00	34.97 1.51 0.00	34.92 1.79 0.00	39.45 1.84 -0.76	42.76 1.99 -0.94	46.94 1.76 -1.24	50.17 1.96 -1.47	54.94 1.80 -1.60	58.58 1.86 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.52 2.24 -0.10	81.68 1.29 0.00	74.83 0.67 0.00	66.96 0.20 0.00	60.57 0.48 0.00	54.43 0.59 0.00	48.26 0.81 0.00
CHAFFEE___LFGE 323603	43.47 0.68 0.00	40.69 1.49 0.00	36.98 0.65 0.00	33.17 0.07 0.00	32.04 -0.19 0.00	33.15 -0.44 0.00	33.98 -0.34 0.00	33.10 -0.37 0.00	32.60 -0.53 0.00	37.33 0.48 0.00	40.59 0.75 0.00	46.36 2.42 0.00	49.31 2.57 0.00	54.79 3.25 0.00	58.30 3.56 0.00	66.70 4.02 0.00	75.33 3.65 0.00	84.50 4.33 0.00	84.81 4.42 0.00	78.32 4.15 0.00	70.83 4.07 0.00	63.57 3.48 0.00	57.72 3.88 0.00	50.45 2.99 0.00
CHATEAUG_35_KV_LOAD 355732	43.69 0.90 0.00	39.87 0.67 0.00	36.94 0.62 0.00	33.73 0.63 0.00	32.84 0.61 0.00	34.29 0.71 0.00	35.12 0.79 0.00	34.20 0.74 0.00	33.63 0.50 0.00	37.33 0.48 0.00	40.39 0.56 0.00	44.52 0.57 0.00	47.02 0.28 0.00	51.85 0.31 0.00	55.01 0.27 0.00	63.00 0.31 0.00	72.32 0.65 0.00	82.65 1.12 -1.36	83.09 1.37 -1.34	77.36 1.26 -1.93	70.59 1.20 -2.63	64.20 0.84 -3.28	58.25 0.54 -3.87	48.53 0.47 -0.60
CHATEAUG_WT_PWR 323614	43.56 0.77 0.00	39.79 0.59 0.00	36.87 0.55 0.00	33.67 0.56 0.00	32.78 0.55 0.00	34.22 0.64 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.59 0.46 0.00	37.37 0.52 0.00	40.43 0.60 0.00	44.61 0.66 0.00	47.07 0.33 0.00	51.90 0.36 0.00	55.07 0.33 0.00	63.07 0.38 0.00	72.32 0.64 0.00	81.61 1.04 -0.40	82.00 1.21 -0.40	75.78 1.04 -0.57	68.47 0.93 -0.78	61.66 0.60 -0.97	55.37 0.38 -1.15	47.79 0.33 0.00
CHAT_HIGH_FALL_HYD 323578	43.69 0.90 0.00	39.87 0.67 0.00	36.94 0.62 0.00	33.73 0.63 0.00	32.84 0.61 0.00	34.29 0.71 0.00	35.12 0.79 0.00	34.20 0.74 0.00	33.63 0.50 0.00	37.33 0.48 0.00	40.39 0.56 0.00	44.52 0.57 0.00	47.02 0.28 0.00	51.85 0.31 0.00	55.01 0.27 0.00	63.00 0.31 0.00	72.32 0.65 0.00	82.65 1.12 -1.36	83.09 1.37 -1.34	77.36 1.26 -1.93	70.59 1.20 -2.63	64.20 0.84 -3.28	58.25 0.54 -3.87	48.53 0.47 -0.60
CHAUTAUQUA___LFGE 323629	43.90 1.11 0.00	41.13 1.92 0.00	37.34 1.02 0.00	33.50 0.40 0.00	32.39 0.16 0.00	33.48 -0.10 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.06 -0.07 0.00	37.78 0.92 0.00	41.07 1.24 0.00	46.89 2.94 0.00	49.87 3.13 0.00	55.40 3.87 0.00	58.96 4.22 0.00	67.39 4.70 0.00	76.20 4.52 0.00	85.38 5.21 0.00	85.78 5.39 0.00	79.28 5.11 0.00	71.70 4.94 0.00	64.35 4.27 0.00	58.36 4.52 0.00	51.02 3.56 0.00
CHERRYST_13_KV_LD 356241	44.58 1.71 -0.08	40.46 1.25 0.00	37.60 1.27 0.00	34.30 1.19 0.00	33.49 1.26 0.00	34.90 1.31 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.05 1.92 0.00	39.60 1.99 -0.76	42.88 2.11 -0.94	47.12 1.93 -1.24	50.31 2.10 -1.47	55.14 2.01 -1.60	58.86 2.13 -1.98	67.10 2.07 -2.35	75.79 2.58 -1.53	82.84 2.57 -0.10	82.00 1.61 0.00	75.13 0.96 0.00	67.16 0.40 0.00	60.81 0.72 0.00	54.65 0.81 0.00	48.40 0.95 0.00



CHESTROR_138KV_BK263 355645	43.71 0.86 -0.07	39.75 0.55 0.00	36.98 0.65 0.00	33.77 0.66 0.00	32.97 0.74 0.00	34.29 0.71 0.00	35.15 0.82 0.00	34.33 0.87 0.00	34.19 1.06 0.00	38.57 1.07 -0.65	41.70 1.08 -0.80	45.93 0.92 -1.06	49.01 1.03 -1.25	53.82 0.93 -1.36	57.47 1.04 -1.69	65.69 1.00 -2.00	74.27 1.29 -1.31	81.46 1.20 -0.09	81.12 0.72 0.00	74.46 0.30 0.00	66.83 0.07 0.00	60.33 0.24 0.00	54.00 0.16 0.00	47.79 0.33 0.00
CH_MIDHUDSON___DRP 24192	43.92 1.07 -0.06	39.95 0.74 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.36 1.03 0.00	34.50 1.04 0.00	34.36 1.23 0.00	38.65 1.25 -0.55	41.82 1.31 -0.67	45.98 1.14 -0.89	49.05 1.26 -1.06	53.87 1.19 -1.15	57.48 1.31 -1.43	65.69 1.32 -1.69	74.50 1.72 -1.10	81.93 1.68 -0.07	81.60 1.21 0.00	74.83 0.67 0.00	67.09 0.33 0.00	60.63 0.54 0.00	54.27 0.43 0.00	47.98 0.52 0.00
CH_MISC_IPPS 23765	44.22 1.37 -0.06	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.70 1.24 0.00	34.59 1.46 0.00	38.96 1.51 -0.60	42.16 1.59 -0.74	46.42 1.50 -0.98	49.57 1.68 -1.16	54.44 1.65 -1.26	58.11 1.80 -1.56	66.48 1.95 -1.85	75.32 2.44 -1.21	82.74 2.49 -0.08	82.32 1.93 0.00	75.65 1.48 0.00	67.76 1.00 0.00	61.17 1.08 0.00	54.76 0.91 0.00	48.40 0.95 0.00
CH_RES_BVR_FALLS 23983	42.92 0.13 0.00	39.28 0.08 0.00	36.40 0.07 0.00	33.17 0.07 0.00	32.30 0.06 0.00	33.69 0.10 0.00	34.47 0.14 0.00	33.56 0.10 0.00	33.20 0.07 0.00	36.89 0.04 0.00	39.91 0.08 0.00	43.99 0.04 0.00	46.69 -0.05 0.00	51.49 -0.05 0.00	54.69 -0.05 0.00	62.62 -0.06 0.00	71.68 0.00 0.00	79.78 0.08 0.47	80.01 0.08 0.47	73.57 0.07 0.67	65.91 0.07 0.92	58.94 0.00 1.14	52.44 -0.05 1.35	46.97 -0.09 0.39
CH_RES_NIAGARA 23895	41.85 -0.94 0.00	39.79 0.59 0.00	35.75 -0.58 0.00	32.05 -1.06 0.00	30.98 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.47 -1.66 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.95 1.20 0.00	63.94 1.25 0.00	72.18 0.50 0.00	80.65 0.48 0.00	80.71 0.32 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.93 0.84 0.00	55.51 1.67 0.00	48.83 1.38 0.00
CH_RES_SYRACUSE 23985	42.70 -0.09 0.00	39.24 0.04 0.00	36.18 -0.14 0.00	32.88 -0.23 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.28 0.00	33.23 -0.23 0.00	32.86 -0.27 0.00	36.71 -0.15 0.00	39.75 -0.08 0.00	44.17 0.22 0.00	47.07 0.33 0.00	52.00 0.46 0.00	55.23 0.49 0.00	63.38 0.69 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.44 1.04 0.00	75.20 1.04 0.00	67.69 0.93 0.00	60.81 0.72 0.00	54.54 0.70 0.00	47.93 0.47 0.00
CLINTON_WT_PWR 323605	43.56 0.77 0.00	39.79 0.59 0.00	36.87 0.55 0.00	33.67 0.56 0.00	32.78 0.55 0.00	34.22 0.64 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.59 0.46 0.00	37.37 0.52 0.00	40.43 0.60 0.00	44.61 0.66 0.00	47.07 0.33 0.00	51.90 0.36 0.00	55.07 0.33 0.00	63.07 0.38 0.00	72.32 0.64 0.00	81.61 1.04 -0.40	82.00 1.21 -0.40	75.78 1.04 -0.57	68.47 0.93 -0.78	61.66 0.60 -0.97	55.37 0.38 -1.15	47.79 0.33 0.00
CLINTON___LFGE 323618	44.12 1.33 0.00	40.30 1.10 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.17 0.94 0.00	34.59 1.01 0.00	35.46 1.13 0.00	34.53 1.07 0.00	33.96 0.83 0.00	37.78 0.92 0.00	40.91 1.08 0.00	45.13 1.19 0.00	47.48 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.11 1.43 0.00	82.99 2.17 -0.65	83.45 2.41 -0.64	77.17 2.07 -0.93	69.96 1.94 -1.27	63.17 1.50 -1.58	56.68 0.97 -1.86	48.35 0.90 0.00
COBBLENY_34_KV_TB1 80064	43.47 0.68 0.00	41.13 1.92 0.00	36.98 0.65 0.00	33.14 0.03 0.00	32.07 -0.16 0.00	33.15 -0.44 0.00	33.98 -0.34 0.00	33.10 -0.37 0.00	32.70 -0.43 0.00	37.33 0.48 0.00	40.59 0.76 0.00	46.36 2.42 0.00	49.31 2.57 0.00	54.78 3.25 0.00	58.30 3.56 0.00	66.70 4.01 0.00	75.33 3.66 0.00	84.34 4.17 0.00	84.33 3.94 0.00	78.32 4.15 0.00	70.83 4.07 0.00	63.57 3.49 0.00	57.72 3.88 0.00	50.59 3.13 0.00
COFFEEN___115KV_TB3 355620	45.74 2.95 0.00	41.87 2.67 0.00	38.54 2.22 0.00	35.06 1.95 0.00	34.17 1.93 0.00	35.60 2.02 0.00	36.32 1.99 0.00	35.17 1.71 0.00	34.32 1.19 0.00	38.11 1.25 0.00	41.27 1.43 0.00	45.62 1.67 0.00	48.42 1.68 0.00	53.80 2.27 0.00	57.20 2.46 0.00	65.88 3.20 0.00	75.69 4.01 0.00	88.06 5.29 -2.59	90.10 7.15 -2.55	85.65 7.79 -3.69	79.13 7.34 -5.03	72.42 6.07 -6.26	66.41 5.17 -7.40	53.54 3.94 -2.14
COLDSPRG_115KV_BK1 355956	44.29 1.50 0.00	41.75 2.55 0.00	37.56 1.24 0.00	33.73 0.63 0.00	32.62 0.39 0.00	33.75 0.17 0.00	34.64 0.31 0.00	33.93 0.47 0.00	33.56 0.43 0.00	38.33 1.47 0.00	41.66 1.83 0.00	47.55 3.60 0.00	50.62 3.88 0.00	56.18 4.64 0.00	59.89 5.15 0.00	68.20 5.52 0.00	77.05 5.38 0.00	86.19 6.01 0.00	86.18 5.79 0.00	80.25 6.08 0.00	72.43 5.67 0.00	64.95 4.87 0.00	59.12 5.28 0.00	51.63 4.18 0.00
COLONIE_LFGE___ 323577	43.38 0.68 0.09	39.83 0.63 0.00	36.98 0.65 0.00	33.80 0.70 0.00	32.97 0.74 0.00	34.32 0.74 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.83 0.70 0.00	36.55 0.59 0.89	39.17 0.44 1.10	42.72 0.22 1.45	45.30 0.28 1.72	49.98 0.31 1.87	52.81 0.39 2.32	60.44 0.50 2.75	70.60 0.72 1.80	80.85 0.80 0.12	81.36 0.97 0.00	75.13 0.96 0.00	67.56 0.80 0.00	60.93 0.84 0.00	54.49 0.65 0.00	48.03 0.57 0.00
COOPERNY_115KV_TB1 80082	43.43 0.60 -0.05	39.64 0.43 0.00	36.83 0.51 0.00	33.60 0.50 0.00	32.78 0.55 0.00	34.12 0.54 0.00	34.91 0.58 0.00	34.10 0.64 0.00	33.92 0.80 0.00	38.07 0.77 -0.44	41.18 0.80 -0.55	45.38 0.70 -0.73	48.39 0.79 -0.86	53.25 0.77 -0.94	56.73 0.82 -1.16	64.88 0.81 -1.38	73.58 1.00 -0.90	81.19 0.96 -0.06	81.04 0.64 0.00	74.54 0.37 0.00	66.89 0.13 0.00	60.33 0.24 0.00	54.11 0.27 0.00	47.79 0.33 0.00
COPENHAGEN_WT_PWR 323753	45.10 2.31 0.00	41.28 2.08 0.00	38.07 1.74 0.00	34.63 1.52 0.00	33.75 1.52 0.00	35.16 1.58 0.00	35.87 1.55 0.00	34.80 1.34 0.00	34.02 0.89 0.00	37.81 0.96 0.00	40.91 1.08 0.00	45.26 1.32 0.00	48.04 1.31 0.00	53.39 1.85 0.00	56.71 1.97 0.00	65.26 2.57 0.00	74.91 3.23 0.00	86.87 4.25 -2.45	88.59 5.79 -2.41	83.88 6.23 -3.49	77.44 5.94 -4.74	70.86 4.86 -5.91	64.97 4.15 -6.98	52.61 3.13 -2.02
CORNELL_____ 23752	43.69 0.90 0.00	40.26 1.06 0.00	36.98 0.65 0.00	33.60 0.50 0.00	32.68 0.45 0.00	33.99 0.40 0.00	34.77 0.45 0.00	33.90 0.44 0.00	33.46 0.33 0.00	37.30 0.44 0.00	40.35 0.52 0.00	44.87 0.92 0.00	47.77 1.03 0.00	52.88 1.34 0.00	56.16 1.42 0.00	64.57 1.88 0.00	73.76 2.08 0.00	82.82 2.65 0.00	83.61 3.22 0.00	77.58 3.41 0.00	69.90 3.14 0.00	62.73 2.64 0.00	56.26 2.42 0.00	49.31 1.85 0.00



CORONA__69_KV_TB1 355595	45.22 2.35 -0.08	41.24 2.04 0.00	38.07 1.74 0.00	34.56 1.46 0.00	34.04 1.81 0.00	35.50 1.91 0.00	36.15 1.82 0.00	35.24 1.77 0.00	35.22 2.09 0.00	40.12 2.51 -0.76	43.12 2.35 -0.94	46.85 1.67 -1.24	50.14 1.96 -1.44	54.93 1.80 -1.59	58.85 2.13 -1.98	67.22 2.19 -2.34	75.93 2.72 -1.53	83.17 2.81 -0.20	82.24 1.85 0.00	74.98 0.82 0.00	66.98 0.27 0.05	59.38 0.42 1.13	53.30 0.16 0.70	47.70 0.38 0.14
CORTLAND__115KV_TB3 80093	43.26 0.47 0.00	39.83 0.63 0.00	36.65 0.33 0.00	33.34 0.23 0.00	32.43 0.19 0.00	33.75 0.17 0.00	34.50 0.17 0.00	33.63 0.17 0.00	33.26 0.13 0.00	37.08 0.22 0.00	40.11 0.28 0.00	44.56 0.62 0.00	47.49 0.75 0.00	52.46 0.93 0.00	55.78 1.04 0.00	64.00 1.32 0.00	73.11 1.43 0.00	81.86 1.68 0.00	82.40 2.01 0.00	76.32 2.15 0.00	68.76 2.00 0.00	61.77 1.68 0.00	55.40 1.56 0.00	48.59 1.14 0.00
COXSACKIE__GT 23611	44.35 1.58 0.03	40.42 1.22 0.00	37.42 1.09 0.00	34.26 1.16 0.00	33.43 1.19 0.00	34.79 1.21 0.00	35.53 1.20 0.00	34.37 0.90 0.00	33.76 0.63 0.00	37.41 0.81 0.25	40.08 0.56 0.31	43.54 0.00 0.41	46.39 0.14 0.48	51.32 0.31 0.53	54.64 0.55 0.65	62.73 0.81 0.77	72.68 1.51 0.51	82.51 2.56 0.22	82.94 2.57 0.02	76.69 2.52 0.00	68.90 2.14 0.00	62.13 2.04 0.00	55.35 1.51 0.00	48.50 1.04 0.00
CPV__VALLEY__CC1 323721	43.40 0.55 -0.06	39.56 0.35 0.00	36.76 0.44 0.00	33.57 0.46 0.00	32.75 0.51 0.00	34.09 0.50 0.00	34.95 0.62 0.00	34.13 0.67 0.00	33.99 0.86 0.00	38.28 0.85 -0.57	41.38 0.84 -0.71	45.55 0.66 -0.94	48.60 0.75 -1.11	53.37 0.62 -1.21	56.90 0.66 -1.50	65.03 0.56 -1.78	73.56 0.72 -1.16	80.81 0.57 -0.08	80.47 0.08 0.00	74.02 -0.15 0.00	66.36 -0.40 0.00	59.91 -0.18 0.00	53.68 -0.16 0.00	47.50 0.05 0.00
CPV__VALLEY__CC2 323722	43.40 0.55 -0.06	39.56 0.35 0.00	36.76 0.44 0.00	33.57 0.46 0.00	32.75 0.51 0.00	34.09 0.50 0.00	34.95 0.62 0.00	34.13 0.67 0.00	33.99 0.86 0.00	38.28 0.85 -0.57	41.38 0.84 -0.71	45.55 0.66 -0.94	48.60 0.75 -1.11	53.37 0.62 -1.21	56.90 0.66 -1.50	65.03 0.56 -1.78	73.56 0.72 -1.16	80.81 0.57 -0.08	80.47 0.08 0.00	74.02 -0.15 0.00	66.36 -0.40 0.00	59.91 -0.18 0.00	53.68 -0.16 0.00	47.50 0.05 0.00
CRESCENT__HYD 24018	43.38 0.68 0.09	39.83 0.63 0.00	36.98 0.65 0.00	33.80 0.70 0.00	32.97 0.74 0.00	34.32 0.74 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.83 0.70 0.00	36.55 0.59 0.89	39.17 0.44 1.10	42.72 0.22 1.45	45.30 0.28 1.72	49.98 0.31 1.87	52.81 0.39 2.32	60.44 0.50 2.75	70.60 0.72 1.80	80.85 0.80 0.12	81.36 0.97 0.00	75.13 0.96 0.00	67.56 0.80 0.00	60.93 0.84 0.00	54.49 0.65 0.00	48.03 0.57 0.00
CRICKET__VALLEY_CC1 323756	42.15 0.34 0.98	39.40 0.20 0.00	36.65 0.33 0.00	33.47 0.36 0.00	32.68 0.45 0.00	34.02 0.44 0.00	34.84 0.52 0.00	34.00 0.53 0.00	33.89 0.76 0.00	27.85 0.63 9.63	28.57 0.64 11.90	28.54 0.35 15.76	28.52 0.42 18.64	31.46 0.21 20.29	29.77 0.22 25.19	32.92 0.06 29.83	52.40 0.22 19.49	78.80 -0.08 1.30	79.83 -0.56 0.00	73.35 -0.81 0.00	65.83 -0.93 0.00	59.49 -0.60 0.00	53.25 -0.59 0.00	47.17 -0.28 0.00
CRICKET__VALLEY_CC2 323757	42.15 0.34 0.98	39.40 0.20 0.00	36.65 0.33 0.00	33.47 0.36 0.00	32.68 0.45 0.00	34.02 0.44 0.00	34.84 0.52 0.00	34.00 0.53 0.00	33.89 0.76 0.00	27.85 0.63 9.63	28.57 0.64 11.90	28.54 0.35 15.76	28.52 0.42 18.64	31.46 0.21 20.29	29.77 0.22 25.19	32.92 0.06 29.83	52.40 0.22 19.49	78.80 -0.08 1.30	79.83 -0.56 0.00	73.35 -0.81 0.00	65.83 -0.93 0.00	59.49 -0.60 0.00	53.25 -0.59 0.00	47.17 -0.28 0.00
CRICKET__VALLEY_CC3 323758	42.15 0.34 0.98	39.40 0.20 0.00	36.65 0.33 0.00	33.47 0.36 0.00	32.68 0.45 0.00	34.02 0.44 0.00	34.84 0.52 0.00	34.00 0.53 0.00	33.89 0.76 0.00	27.85 0.63 9.63	28.57 0.64 11.90	28.54 0.35 15.76	28.52 0.42 18.64	31.46 0.21 20.29	29.77 0.22 25.19	32.92 0.06 29.83	52.40 0.22 19.49	78.80 -0.08 1.30	79.83 -0.56 0.00	73.35 -0.81 0.00	65.83 -0.93 0.00	59.49 -0.60 0.00	53.25 -0.59 0.00	47.17 -0.28 0.00
CRUCIBLE__METL_DRP 24180	42.70 -0.09 0.00	39.28 0.08 0.00	36.18 -0.15 0.00	32.87 -0.23 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.23 -0.23 0.00	32.86 -0.27 0.00	36.71 -0.15 0.00	39.75 -0.08 0.00	44.17 0.22 0.00	47.06 0.33 0.00	52.00 0.46 0.00	55.23 0.49 0.00	63.38 0.69 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.36 0.96 0.00	75.20 1.04 0.00	67.69 0.93 0.00	60.81 0.72 0.00	54.54 0.70 0.00	47.93 0.47 0.00
DAHOWA__HYDRO 323763	44.21 1.50 0.07	40.61 1.41 0.00	37.60 1.27 0.00	34.36 1.26 0.00	33.46 1.22 0.00	34.89 1.31 0.00	35.63 1.30 0.00	34.60 1.14 0.00	34.19 1.06 0.00	37.01 0.88 0.72	39.61 0.68 0.89	43.20 0.44 1.18	45.90 0.56 1.40	50.58 0.57 1.52	53.67 0.82 1.89	61.64 1.19 2.24	71.86 1.65 1.46	82.24 2.17 0.10	83.45 3.05 0.00	77.35 3.19 0.00	69.56 2.80 0.00	62.67 2.58 0.00	56.00 2.16 0.00	49.16 1.71 0.00
DANC__LFGE 323619	43.99 1.20 0.00	40.30 1.10 0.00	37.20 0.87 0.00	33.83 0.73 0.00	32.94 0.71 0.00	34.32 0.74 0.00	35.05 0.72 0.00	34.03 0.57 0.00	33.43 0.30 0.00	37.18 0.33 0.00	40.27 0.44 0.00	44.56 0.61 0.00	47.39 0.65 0.00	52.51 0.98 0.00	55.73 0.99 0.00	64.06 1.38 0.00	73.39 1.72 0.00	84.06 2.24 -1.64	85.39 3.38 -1.62	80.21 3.71 -2.34	73.48 3.54 -3.18	66.94 2.88 -3.97	61.06 2.53 -4.69	50.66 1.85 -1.36
DANSKAMMER__1 23586	44.22 1.37 -0.06	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.70 1.24 0.00	34.59 1.46 0.00	38.96 1.51 -0.60	42.16 1.59 -0.74	46.42 1.50 -0.98	49.57 1.68 -1.16	54.44 1.65 -1.26	58.11 1.80 -1.56	66.48 1.95 -1.85	75.32 2.44 -1.21	82.74 2.49 -0.08	82.32 1.93 0.00	75.65 1.48 0.00	67.76 1.00 0.00	61.17 1.08 0.00	54.76 0.91 0.00	48.40 0.95 0.00
DANSKAMMER__2 23589	44.22 1.37 -0.06	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.70 1.24 0.00	34.59 1.46 0.00	38.96 1.51 -0.60	42.16 1.59 -0.74	46.42 1.50 -0.98	49.57 1.68 -1.16	54.44 1.65 -1.26	58.11 1.80 -1.56	66.48 1.95 -1.85	75.32 2.44 -1.21	82.74 2.49 -0.08	82.32 1.93 0.00	75.65 1.48 0.00	67.76 1.00 0.00	61.17 1.08 0.00	54.76 0.91 0.00	48.40 0.95 0.00
DANSKAMMER__3 23590	44.22 1.37 -0.06	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.70 1.24 0.00	34.59 1.46 0.00	38.96 1.51 -0.60	42.16 1.59 -0.74	46.42 1.50 -0.98	49.57 1.68 -1.16	54.44 1.65 -1.26	58.11 1.80 -1.56	66.48 1.95 -1.85	75.32 2.44 -1.21	82.74 2.49 -0.08	82.32 1.93 0.00	75.65 1.48 0.00	67.76 1.00 0.00	61.17 1.08 0.00	54.76 0.91 0.00	48.40 0.95 0.00



DANSKAMMER___4 23591	44.22 1.37 -0.06	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.70 1.24 0.00	34.59 1.46 0.00	38.96 1.51 -0.60	42.16 1.59 -0.74	46.42 1.50 -0.98	49.57 1.68 -1.16	54.44 1.65 -1.26	58.11 1.80 -1.56	66.48 1.95 -1.85	75.32 2.44 -1.21	82.74 2.49 -0.08	82.32 1.93 0.00	75.65 1.48 0.00	67.76 1.00 0.00	61.17 1.08 0.00	54.76 0.91 0.00	48.40 0.95 0.00
DANSKAMMER___DIESEL 23592	44.26 1.41 -0.06	40.22 1.02 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.70 1.24 0.00	34.55 1.42 0.00	38.96 1.51 -0.60	42.16 1.59 -0.74	46.42 1.49 -0.98	49.58 1.68 -1.16	54.44 1.65 -1.26	58.11 1.81 -1.56	66.48 1.94 -1.85	75.32 2.44 -1.21	82.82 2.57 -0.08	82.48 2.09 0.00	75.65 1.48 0.00	67.76 1.00 0.00	61.17 1.08 0.00	54.76 0.92 0.00	48.36 0.90 0.00
DARBY___SOLAR 323810	44.04 1.33 0.08	40.46 1.25 0.00	37.49 1.16 0.00	34.23 1.13 0.00	33.36 1.13 0.00	34.76 1.17 0.00	35.50 1.17 0.00	34.50 1.04 0.00	34.09 0.96 0.00	36.88 0.78 0.75	39.46 0.56 0.93	43.03 0.31 1.23	45.70 0.42 1.45	50.42 0.46 1.58	53.43 0.66 1.97	61.36 1.00 2.33	71.59 1.43 1.52	81.99 1.92 0.10	83.04 2.65 0.00	76.91 2.75 0.00	69.16 2.40 0.00	62.37 2.28 0.00	55.67 1.83 0.00	48.93 1.47 0.00
DASHVILLE___HYD 23610	44.03 1.20 -0.04	39.83 0.63 0.00	37.05 0.73 0.00	33.80 0.70 0.00	33.04 0.81 0.00	34.32 0.74 0.00	35.15 0.82 0.00	34.23 0.77 0.00	34.02 0.89 0.00	38.54 1.33 -0.36	41.63 1.35 -0.45	45.81 1.27 -0.59	48.89 1.45 -0.70	53.69 1.39 -0.76	57.22 1.53 -0.95	65.38 1.57 -1.12	74.42 2.01 -0.73	82.34 2.16 0.00	81.35 0.96 0.01	74.54 0.37 0.00	66.83 0.07 0.00	60.39 0.30 0.00	54.06 0.22 0.00	47.83 0.38 0.00
DELAWARE___LFGE 323621	43.65 0.86 0.00	39.99 0.78 0.00	37.13 0.80 0.00	33.83 0.73 0.00	32.97 0.74 0.00	34.32 0.74 0.00	35.01 0.69 0.00	34.17 0.70 0.00	33.83 0.70 0.00	37.63 0.77 0.00	40.71 0.88 0.00	44.91 0.97 0.00	47.81 1.07 0.00	52.72 1.19 0.00	56.05 1.31 0.00	64.19 1.50 0.00	73.33 1.65 0.00	81.94 1.76 0.00	82.16 1.77 0.00	75.87 1.71 0.00	68.36 1.60 0.00	61.53 1.44 0.00	55.13 1.29 0.00	48.50 1.04 0.00
DERFIELD_115KV_TB7 355931	42.75 -0.04 0.00	39.17 -0.04 0.00	36.33 0.00 0.00	33.11 0.00 0.00	32.23 0.00 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.46 0.00 0.00	33.13 0.00 0.00	36.82 -0.04 0.00	39.79 -0.04 0.00	43.86 -0.09 0.00	46.69 -0.05 0.00	51.49 -0.05 0.00	54.69 -0.05 0.00	62.62 -0.06 0.00	71.61 -0.07 0.00	80.09 -0.08 0.00	80.31 -0.08 0.00	74.09 -0.07 0.00	66.69 -0.07 0.00	60.03 -0.06 0.00	53.79 -0.05 0.00	47.36 -0.09 0.00
DOGLEVILLE___HYD 23807	42.19 -0.60 0.00	38.66 -0.55 0.00	35.82 -0.51 0.00	32.68 -0.43 0.00	31.85 -0.39 0.00	33.18 -0.40 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.70 -0.43 0.00	36.37 -0.48 0.00	39.35 -0.48 0.00	43.38 -0.57 0.00	46.13 -0.61 0.00	50.92 -0.62 0.00	54.14 -0.60 0.00	62.00 -0.69 0.00	70.89 -0.79 0.00	79.29 -0.88 0.00	79.59 -0.80 0.00	73.50 -0.67 0.00	66.23 -0.53 0.00	59.61 -0.48 0.00	53.36 -0.48 0.00	46.89 -0.57 0.00
DUNKIRK__115KV_TB_200 55889	43.82 1.03 0.00	41.40 2.20 0.00	37.23 0.91 0.00	33.44 0.33 0.00	32.33 0.10 0.00	33.42 -0.17 0.00	34.29 -0.03 0.00	33.46 0.00 0.00	33.06 -0.07 0.00	37.70 0.85 0.00	40.99 1.16 0.00	46.80 2.86 0.00	49.78 3.04 0.00	55.25 3.71 0.00	58.85 4.11 0.00	67.26 4.58 0.00	75.98 4.30 0.00	84.98 4.81 0.00	85.06 4.66 0.00	79.13 4.97 0.00	71.57 4.81 0.00	64.17 4.09 0.00	58.26 4.42 0.00	51.01 3.56 0.00
DUNKIRK___1 23563	43.82 1.03 0.00	41.40 2.20 0.00	37.23 0.91 0.00	33.44 0.33 0.00	32.33 0.10 0.00	33.42 -0.17 0.00	34.29 -0.03 0.00	33.46 0.00 0.00	33.06 -0.07 0.00	37.70 0.85 0.00	40.99 1.16 0.00	46.80 2.86 0.00	49.78 3.04 0.00	55.25 3.71 0.00	58.85 4.11 0.00	67.26 4.58 0.00	75.98 4.30 0.00	84.98 4.81 0.00	85.06 4.66 0.00	79.13 4.97 0.00	71.57 4.81 0.00	64.17 4.09 0.00	58.26 4.42 0.00	51.01 3.56 0.00
DUNKIRK___2 23564	43.82 1.03 0.00	41.40 2.20 0.00	37.23 0.91 0.00	33.44 0.33 0.00	32.33 0.10 0.00	33.42 -0.17 0.00	34.29 -0.03 0.00	33.46 0.00 0.00	33.06 -0.07 0.00	37.70 0.85 0.00	40.99 1.16 0.00	46.80 2.86 0.00	49.78 3.04 0.00	55.25 3.71 0.00	58.85 4.11 0.00	67.26 4.58 0.00	75.98 4.30 0.00	84.98 4.81 0.00	85.06 4.66 0.00	79.13 4.97 0.00	71.57 4.81 0.00	64.17 4.09 0.00	58.26 4.42 0.00	51.01 3.56 0.00
DUNKIRK___3 23565	43.52 0.73 0.00	41.16 1.96 0.00	37.02 0.69 0.00	33.24 0.13 0.00	32.14 -0.10 0.00	33.25 -0.34 0.00	34.09 -0.24 0.00	33.23 -0.23 0.00	32.83 -0.30 0.00	37.44 0.59 0.00	40.71 0.88 0.00	46.45 2.50 0.00	49.40 2.66 0.00	54.84 3.30 0.00	58.35 3.61 0.00	66.76 4.07 0.00	75.40 3.73 0.00	84.34 4.17 0.00	84.41 4.02 0.00	78.39 4.23 0.00	70.90 4.14 0.00	63.63 3.55 0.00	57.77 3.93 0.00	50.63 3.18 0.00
DUNKIRK___4 23566	43.52 0.73 0.00	41.16 1.96 0.00	37.02 0.69 0.00	33.24 0.13 0.00	32.14 -0.10 0.00	33.25 -0.34 0.00	34.09 -0.24 0.00	33.23 -0.23 0.00	32.83 -0.30 0.00	37.44 0.59 0.00	40.71 0.88 0.00	46.45 2.50 0.00	49.40 2.66 0.00	54.84 3.30 0.00	58.35 3.61 0.00	66.76 4.07 0.00	75.40 3.73 0.00	84.34 4.17 0.00	84.41 4.02 0.00	78.39 4.23 0.00	70.90 4.14 0.00	63.63 3.55 0.00	57.77 3.93 0.00	50.63 3.18 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	44.24 1.37 -0.08	40.18 0.98 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.30 1.06 0.00	34.69 1.11 0.00	35.60 1.27 0.00	34.77 1.31 0.00	34.72 1.59 0.00	39.27 1.66 -0.76	42.52 1.75 -0.94	46.72 1.54 -1.24	49.89 1.68 -1.47	54.68 1.55 -1.60	58.36 1.64 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.60 1.21 0.00	74.76 0.59 0.00	66.96 0.20 0.00	60.57 0.48 0.00	54.33 0.48 0.00	48.07 0.62 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	43.96 1.11 -0.06	39.99 0.78 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.36 1.03 0.00	34.50 1.04 0.00	34.39 1.26 0.00	38.74 1.29 -0.60	41.88 1.31 -0.74	46.11 1.19 -0.98	49.25 1.36 -1.15	54.03 1.24 -1.26	57.67 1.37 -1.56	65.98 1.44 -1.85	74.68 1.79 -1.21	82.10 1.84 -0.08	81.76 1.37 0.00	74.98 0.82 0.00	67.23 0.47 0.00	60.69 0.60 0.00	54.33 0.48 0.00	48.02 0.57 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	44.54 1.67 -0.08	40.46 1.25 0.00	37.60 1.27 0.00	34.30 1.19 0.00	33.49 1.26 0.00	34.90 1.31 0.00	35.84 1.51 0.00	34.97 1.51 0.00	34.92 1.79 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	46.99 1.80 -1.24	50.12 1.92 -1.47	54.73 1.60 -1.60	57.93 1.20 -1.98	65.97 0.94 -2.35	74.93 1.72 -1.53	81.80 1.52 -0.10	80.63 0.24 0.00	73.79 -0.37 0.00	66.09 -0.67 0.00	59.85 -0.24 0.00	54.70 0.86 0.00	48.50 1.04 0.00



E179THST_13_KV_LOAD 356214	44.79 1.93 -0.08	40.69 1.49 0.00	37.82 1.49 0.00	34.46 1.36 0.00	33.65 1.42 0.00	35.06 1.48 0.00	36.01 1.68 0.00	35.17 1.71 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	42.96 2.19 -0.94	47.30 2.11 -1.24	50.45 2.24 -1.47	55.04 1.91 -1.60	58.31 1.59 -1.98	66.35 1.32 -2.35	75.43 2.22 -1.53	82.36 2.08 -0.10	81.20 0.80 0.00	74.31 0.15 0.00	66.49 -0.27 0.00	60.21 0.12 0.00	55.08 1.24 0.00	48.78 1.33 0.00
EAST HAMPTON___GT 23717	47.10 4.24 -0.08	43.01 3.80 0.00	39.45 3.12 0.00	35.72 2.61 0.00	35.39 3.16 0.00	37.01 3.43 0.00	37.35 3.02 0.00	36.37 2.91 0.00	36.51 3.38 0.00	41.85 4.24 -0.76	45.15 4.38 -0.94	48.87 3.69 -1.23	51.80 4.11 -0.95	57.45 4.33 -1.58	61.97 5.26 -1.97	70.86 5.83 -2.34	80.44 7.24 -1.53	88.67 8.49 0.00	87.14 6.75 0.01	78.68 4.52 0.01	69.00 3.07 0.84	52.68 2.77 10.17	49.91 1.94 5.86	48.19 1.85 1.11
EAST RIVER___6 23660	44.45 1.58 -0.08	40.38 1.18 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.76 1.17 0.00	35.77 1.44 0.00	34.97 1.51 0.00	34.92 1.79 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.86 1.67 -1.24	49.98 1.78 -1.47	54.83 1.70 -1.60	58.58 1.86 -1.98	66.66 1.63 -2.35	75.36 2.15 -1.53	82.36 2.08 -0.10	81.44 1.04 0.00	74.69 0.52 0.00	66.76 0.00 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.26 0.81 0.00
EAST RIVER___7 23524	44.45 1.58 -0.08	40.38 1.18 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.76 1.17 0.00	35.77 1.44 0.00	34.97 1.51 0.00	34.92 1.79 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.86 1.67 -1.24	49.98 1.78 -1.47	54.83 1.70 -1.60	58.58 1.86 -1.98	66.66 1.63 -2.35	75.36 2.15 -1.53	82.36 2.08 -0.10	81.44 1.04 0.00	74.69 0.52 0.00	66.76 0.00 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.26 0.81 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	44.11 1.24 -0.08	40.07 0.86 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.23 1.00 0.00	34.59 1.01 0.00	35.53 1.20 0.00	34.70 1.24 0.00	34.62 1.49 0.00	39.12 1.51 -0.76	42.36 1.59 -0.93	46.59 1.41 -1.24	49.74 1.54 -1.46	54.52 1.39 -1.59	58.25 1.53 -1.98	66.47 1.44 -2.34	75.00 1.79 -1.53	82.04 1.76 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.89 0.13 0.00	60.45 0.36 0.00	54.22 0.38 0.00	47.98 0.52 0.00
EAST_HAMPTON___DIESEL 23722	47.10 4.24 -0.08	43.01 3.80 0.00	39.49 3.16 0.00	35.72 2.61 0.00	35.39 3.16 0.00	37.01 3.43 0.00	37.35 3.02 0.00	36.37 2.91 0.00	36.51 3.38 0.00	41.85 4.24 -0.76	45.19 4.42 -0.94	48.87 3.69 -1.23	51.80 4.11 -0.95	57.45 4.33 -1.58	62.02 5.31 -1.97	70.92 5.89 -2.34	80.52 7.31 -1.53	88.67 8.49 0.00	87.14 6.75 0.01	78.75 4.60 0.01	69.00 3.07 0.84	52.68 2.77 10.17	49.91 1.94 5.86	48.19 1.85 1.11
EAST_POINT___SOLAR 323840	46.21 3.46 0.04	42.34 3.14 0.00	39.09 2.76 0.00	35.62 2.51 0.00	34.68 2.45 0.00	36.17 2.59 0.00	36.73 2.40 0.00	35.20 1.74 0.00	33.96 0.83 0.00	36.54 0.11 0.43	39.18 -0.12 0.53	43.03 -0.22 0.70	45.91 0.00 0.83	50.79 0.16 0.90	54.00 0.39 1.12	62.17 0.81 1.33	72.60 1.79 0.87	83.88 3.77 0.06	86.58 6.19 0.00	81.36 7.19 0.00	73.64 6.88 0.00	66.15 6.07 0.00	59.06 5.22 0.00	51.63 4.18 0.00
EAST_PULASKI___ESR 323781	42.92 0.13 0.00	39.40 0.20 0.00	36.36 0.04 0.00	33.04 -0.07 0.00	32.17 -0.06 0.00	33.52 -0.07 0.00	34.26 -0.07 0.00	33.33 -0.13 0.00	32.86 -0.27 0.00	36.63 -0.22 0.00	39.63 -0.20 0.00	43.95 0.00 0.00	46.78 0.05 0.00	51.74 0.21 0.00	54.74 0.00 0.00	62.81 0.13 0.00	71.82 0.14 0.00	81.35 0.32 -0.85	82.20 0.97 -0.84	76.56 1.18 -1.22	69.55 1.13 -1.66	63.05 0.90 -2.06	57.14 0.86 -2.44	48.83 0.66 -0.71
EAST_RIVER___1 323558	44.45 1.58 -0.08	40.42 1.22 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.43 1.19 0.00	34.79 1.21 0.00	35.77 1.44 0.00	34.97 1.51 0.00	34.95 1.82 0.00	39.45 1.84 -0.76	42.76 1.99 -0.94	46.99 1.80 -1.24	50.17 1.96 -1.47	54.89 1.75 -1.60	58.58 1.86 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.44 2.17 -0.10	81.60 1.21 0.00	74.83 0.67 0.00	66.96 0.20 0.00	60.56 0.48 0.00	54.49 0.65 0.00	48.35 0.90 0.00
EAST_RIVER___2 323559	44.45 1.58 -0.08	40.38 1.18 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.76 1.17 0.00	35.77 1.44 0.00	34.97 1.51 0.00	34.92 1.79 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.86 1.67 -1.24	49.98 1.78 -1.47	54.83 1.70 -1.60	58.58 1.86 -1.98	66.66 1.63 -2.35	75.36 2.15 -1.53	82.36 2.08 -0.10	81.44 1.04 0.00	74.69 0.52 0.00	66.76 0.00 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.26 0.81 0.00
EAST___DELAWARE_HYD 23607	44.04 1.20 -0.05	40.11 0.90 0.00	37.20 0.87 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.36 1.03 0.00	34.47 1.00 0.00	34.29 1.16 0.00	38.54 1.21 -0.48	41.66 1.24 -0.59	45.95 1.23 -0.78	49.02 1.36 -0.92	53.93 1.39 -1.00	57.58 1.59 -1.25	65.91 1.75 -1.48	74.93 2.29 -0.96	82.71 2.49 -0.05	82.48 2.09 0.00	75.87 1.71 0.00	68.03 1.27 0.00	61.35 1.26 0.00	54.92 1.08 0.00	48.45 1.00 0.00
EIGHT_POINT___WT_PWR 323820	44.07 1.28 0.00	40.97 1.77 0.00	37.34 1.02 0.00	33.67 0.56 0.00	32.59 0.36 0.00	33.79 0.20 0.00	34.67 0.34 0.00	33.67 0.20 0.00	33.06 -0.07 0.00	37.30 0.44 0.00	40.47 0.64 0.00	45.75 1.80 0.00	48.75 2.01 0.00	53.91 2.37 0.00	57.31 2.57 0.00	65.57 2.89 0.00	74.47 2.79 0.00	83.70 3.52 0.00	84.81 4.42 0.00	78.98 4.82 0.00	71.50 4.74 0.00	64.11 4.03 0.00	57.93 4.09 0.00	50.59 3.13 0.00
ELBRIDGE_115KV_TB2 80188	42.49 -0.30 0.00	39.13 -0.08 0.00	36.04 -0.29 0.00	32.74 -0.36 0.00	31.85 -0.39 0.00	33.15 -0.44 0.00	33.88 -0.45 0.00	33.06 -0.40 0.00	32.70 -0.43 0.00	36.52 -0.33 0.00	39.55 -0.28 0.00	43.95 0.00 0.00	46.83 0.09 0.00	51.79 0.26 0.00	54.96 0.22 0.00	63.06 0.38 0.00	71.96 0.29 0.00	80.57 0.40 0.00	80.96 0.56 0.00	74.83 0.67 0.00	67.43 0.67 0.00	60.57 0.48 0.00	54.33 0.48 0.00	47.74 0.28 0.00
ELEC_TRO_TEK 24086	44.84 1.97 -0.08	40.93 1.72 0.00	37.78 1.45 0.00	34.33 1.22 0.00	33.78 1.55 0.00	35.26 1.68 0.00	35.91 1.58 0.00	35.00 1.54 0.00	34.99 1.86 0.00	39.86 2.25 -0.76	42.80 2.03 -0.94	46.46 1.27 -1.24	49.66 1.54 -1.38	54.42 1.29 -1.59	58.25 1.53 -1.98	66.53 1.50 -2.34	75.14 1.94 -1.53	82.20 1.92 -0.10	81.35 0.96 0.00	74.16 0.00 0.00	66.16 -0.47 0.14	57.55 -0.18 2.35	52.14 -0.32 1.38	47.14 -0.05 0.26
ELLENBURG_WT_PWR 323604	43.56 0.77 0.00	39.79 0.59 0.00	36.87 0.55 0.00	33.67 0.56 0.00	32.78 0.55 0.00	34.22 0.64 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.59 0.46 0.00	37.37 0.52 0.00	40.43 0.60 0.00	44.61 0.66 0.00	47.07 0.33 0.00	51.90 0.36 0.00	55.07 0.33 0.00	63.07 0.38 0.00	72.32 0.64 0.00	81.61 1.04 -0.40	82.00 1.21 -0.40	75.78 1.04 -0.57	68.47 0.93 -0.78	61.66 0.60 -0.97	55.37 0.38 -1.15	47.79 0.33 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	43.13 0.34 0.00	40.89 1.69 0.00	36.76 0.44 0.00	32.97 -0.13 0.00	31.88 -0.35 0.00	32.95 -0.64 0.00	33.78 -0.55 0.00	32.86 -0.60 0.00	32.43 -0.70 0.00	37.00 0.15 0.00	40.23 0.40 0.00	45.97 2.02 0.00	48.84 2.10 0.00	54.22 2.68 0.00	57.70 2.96 0.00	65.95 3.26 0.00	74.54 2.87 0.00	83.30 3.13 0.00	83.37 2.97 0.00	77.35 3.19 0.00	70.03 3.27 0.00	62.91 2.82 0.00	57.18 3.34 0.00	50.21 2.75 0.00
EMPIRE_CC_1 323656	42.46 -0.21 0.12	39.05 -0.16 0.00	36.29 -0.04 0.00	33.27 0.17 0.00	32.49 0.26 0.00	33.75 0.17 0.00	34.53 0.21 0.00	33.60 0.13 0.00	33.33 0.20 0.00	35.71 0.00 1.15	38.22 -0.20 1.41	41.50 -0.57 1.87	43.96 -0.56 2.22	48.51 -0.62 2.41	51.03 -0.71 3.00	58.26 -0.88 3.55	68.43 -0.93 2.32	78.90 -1.12 0.15	79.10 -1.29 0.00	72.98 -1.19 0.00	65.56 -1.20 0.00	59.25 -0.84 0.00	52.98 -0.86 0.00	46.84 -0.62 0.00
EMPIRE_CC_2 323658	42.46 -0.21 0.12	39.05 -0.16 0.00	36.29 -0.04 0.00	33.27 0.17 0.00	32.49 0.26 0.00	33.75 0.17 0.00	34.53 0.21 0.00	33.60 0.13 0.00	33.33 0.20 0.00	35.71 0.00 1.15	38.22 -0.20 1.41	41.50 -0.57 1.87	43.96 -0.56 2.22	48.51 -0.62 2.41	51.03 -0.71 3.00	58.26 -0.88 3.55	68.43 -0.93 2.32	78.90 -1.12 0.15	79.10 -1.29 0.00	72.98 -1.19 0.00	65.56 -1.20 0.00	59.25 -0.84 0.00	52.98 -0.86 0.00	46.84 -0.62 0.00
ENORWICH_115KV_TB1 80156	45.91 3.12 0.00	42.18 2.98 0.00	38.76 2.43 0.00	35.22 2.12 0.00	34.30 2.06 0.00	35.70 2.12 0.00	36.49 2.16 0.00	35.61 2.14 0.00	34.89 1.76 0.00	38.84 1.99 0.00	42.14 2.31 0.00	46.85 2.90 0.00	49.82 3.08 0.00	55.51 3.97 0.00	59.12 4.38 0.00	67.95 5.27 0.00	77.77 6.09 0.00	87.39 7.22 0.00	88.91 8.52 0.00	82.55 8.38 0.00	74.50 7.74 0.00	66.70 6.61 0.00	59.71 5.87 0.00	52.06 4.60 0.00
ERIE_ST__34_KV_TB1-2 80199	43.39 0.60 0.00	41.01 1.80 0.00	36.87 0.54 0.00	33.07 -0.03 0.00	31.97 -0.26 0.00	33.08 -0.50 0.00	33.92 -0.41 0.00	33.06 -0.40 0.00	32.70 -0.43 0.00	37.33 0.48 0.00	40.63 0.80 0.00	46.41 2.46 0.00	49.35 2.62 0.00	54.84 3.30 0.00	58.41 3.67 0.00	66.82 4.14 0.00	75.48 3.80 0.00	84.50 4.33 0.00	84.41 4.02 0.00	78.39 4.23 0.00	70.77 4.01 0.00	63.51 3.42 0.00	57.66 3.82 0.00	50.54 3.08 0.00
ERIE_WT_PWR 323693	43.39 0.60 0.00	40.66 1.45 0.00	36.94 0.62 0.00	33.14 0.03 0.00	32.04 -0.19 0.00	33.12 -0.47 0.00	33.95 -0.38 0.00	33.03 -0.44 0.00	32.53 -0.60 0.00	37.22 0.37 0.00	40.47 0.64 0.00	46.23 2.28 0.00	49.12 2.38 0.00	54.58 3.04 0.00	58.08 3.34 0.00	66.38 3.70 0.00	75.05 3.37 0.00	84.10 3.93 0.00	84.49 4.10 0.00	77.95 3.78 0.00	70.56 3.80 0.00	63.33 3.24 0.00	57.55 3.71 0.00	50.35 2.90 0.00
ESPRGFLD_115KV_TB1 80157	45.42 2.65 0.03	41.64 2.43 0.00	38.47 2.14 0.00	35.03 1.92 0.00	34.10 1.87 0.00	35.53 1.95 0.00	36.22 1.89 0.00	35.20 1.74 0.00	34.59 1.46 0.00	38.03 1.44 0.26	41.02 1.51 0.32	45.28 1.76 0.42	48.15 1.92 0.50	53.26 2.27 0.55	56.63 2.57 0.68	65.08 3.20 0.80	75.02 3.87 0.53	85.03 4.89 0.03	86.26 5.87 0.00	80.10 5.93 0.00	72.17 5.41 0.00	64.83 4.75 0.00	57.99 4.15 0.00	50.78 3.32 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	43.65 0.86 0.00	40.18 0.98 0.00	36.94 0.62 0.00	33.54 0.43 0.00	32.62 0.39 0.00	33.95 0.37 0.00	34.74 0.41 0.00	33.87 0.40 0.00	33.43 0.30 0.00	37.26 0.41 0.00	40.31 0.48 0.00	44.78 0.83 0.00	47.72 0.98 0.00	52.77 1.24 0.00	56.11 1.37 0.00	64.44 1.76 0.00	73.68 2.01 0.00	82.66 2.49 0.00	83.37 2.97 0.00	77.35 3.19 0.00	69.70 2.94 0.00	62.55 2.46 0.00	56.10 2.26 0.00	49.16 1.71 0.00
ETNA____115KV_TB2 80207	43.65 0.86 0.00	40.18 0.98 0.00	36.94 0.62 0.00	33.54 0.43 0.00	32.62 0.39 0.00	33.95 0.37 0.00	34.74 0.41 0.00	33.87 0.40 0.00	33.43 0.30 0.00	37.26 0.41 0.00	40.31 0.48 0.00	44.78 0.83 0.00	47.72 0.98 0.00	52.77 1.24 0.00	56.11 1.37 0.00	64.44 1.76 0.00	73.68 2.01 0.00	82.66 2.49 0.00	83.37 2.97 0.00	77.35 3.19 0.00	69.70 2.94 0.00	62.55 2.46 0.00	56.10 2.26 0.00	49.16 1.71 0.00
EUCLID___115KV_TB2 356179	42.23 -0.56 0.00	38.85 -0.35 0.00	35.82 -0.51 0.00	32.54 -0.56 0.00	31.65 -0.58 0.00	32.95 -0.64 0.00	33.71 -0.62 0.00	32.86 -0.60 0.00	32.53 -0.60 0.00	36.30 -0.55 0.00	39.31 -0.52 0.00	43.64 -0.31 0.00	46.50 -0.23 0.00	51.33 -0.21 0.00	54.52 -0.22 0.00	62.56 -0.13 0.00	71.39 -0.29 0.00	79.85 -0.32 0.00	80.23 -0.16 0.00	74.09 -0.07 0.00	66.76 0.00 0.00	59.97 -0.12 0.00	53.79 -0.05 0.00	47.31 -0.14 0.00
E_CANADA_CAP_HY 24051	46.00 3.25 0.04	42.18 2.98 0.00	38.98 2.65 0.00	35.52 2.42 0.00	34.55 2.32 0.00	36.04 2.45 0.00	36.73 2.40 0.00	35.47 2.01 0.00	34.62 1.49 0.00	37.68 1.21 0.39	40.43 1.08 0.48	44.41 1.10 0.63	47.25 1.26 0.75	52.22 1.50 0.82	55.59 1.86 1.01	64.00 2.51 1.20	74.33 3.44 0.78	85.09 4.97 0.05	86.99 6.59 0.00	81.06 6.90 0.00	73.11 6.35 0.00	65.73 5.65 0.00	58.69 4.85 0.00	51.39 3.94 0.00
E_CANADA_MHWK_HY 24050	42.19 -0.60 0.00	38.66 -0.55 0.00	35.82 -0.51 0.00	32.67 -0.43 0.00	31.85 -0.39 0.00	33.18 -0.40 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.70 -0.43 0.00	36.37 -0.48 0.00	39.36 -0.48 0.00	43.37 -0.57 0.00	46.13 -0.61 0.00	50.92 -0.62 0.00	54.14 -0.60 0.00	62.00 -0.69 0.00	70.89 -0.79 0.00	79.29 -0.88 0.00	79.59 -0.80 0.00	73.50 -0.67 0.00	66.22 -0.54 0.00	59.60 -0.48 0.00	53.36 -0.49 0.00	46.89 -0.57 0.00
E_FISHKILL___LBMP 23776	43.73 0.86 -0.08	39.75 0.55 0.00	37.02 0.69 0.00	33.77 0.66 0.00	33.01 0.77 0.00	34.36 0.77 0.00	35.22 0.89 0.00	34.37 0.90 0.00	34.26 1.13 0.00	38.74 1.11 -0.78	41.95 1.16 -0.96	46.14 0.92 -1.27	49.27 1.03 -1.50	54.00 0.82 -1.64	57.70 0.93 -2.03	65.91 0.81 -2.40	74.32 1.08 -1.57	81.24 0.96 -0.10	80.79 0.40 0.00	74.16 0.00 0.00	66.43 -0.33 0.00	60.09 0.00 0.00	53.84 0.00 0.00	47.69 0.24 0.00
FALCON___SEABRD_CC1 323796	43.86 1.07 0.00	40.03 0.82 0.00	37.09 0.76 0.00	33.87 0.76 0.00	32.97 0.74 0.00	34.39 0.80 0.00	35.25 0.93 0.00	34.33 0.87 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.87 0.92 0.00	47.11 0.37 0.00	52.00 0.46 0.00	55.13 0.39 0.00	63.13 0.44 0.00	72.47 0.79 0.00	81.97 1.28 -0.52	82.43 1.52 -0.51	76.17 1.26 -0.74	68.97 1.20 -1.01	62.12 0.78 -1.26	55.76 0.43 -1.49	47.88 0.43 0.00
FALCON___SEABRD_CC2 323797	43.86 1.07 0.00	40.03 0.82 0.00	37.09 0.76 0.00	33.87 0.76 0.00	32.97 0.74 0.00	34.39 0.80 0.00	35.25 0.93 0.00	34.33 0.87 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.87 0.92 0.00	47.11 0.37 0.00	52.00 0.46 0.00	55.13 0.39 0.00	63.13 0.44 0.00	72.47 0.79 0.00	81.97 1.28 -0.52	82.43 1.52 -0.51	76.17 1.26 -0.74	68.97 1.20 -1.01	62.12 0.78 -1.26	55.76 0.43 -1.49	47.88 0.43 0.00



FAR ROCKAWAY___4 23548	45.73 2.87 -0.08	41.71 2.51 0.00	38.43 2.11 0.00	34.89 1.79 0.00	34.39 2.16 0.00	35.87 2.28 0.00	36.46 2.13 0.00	35.54 2.07 0.00	35.55 2.42 0.00	40.52 2.91 -0.76	43.60 2.83 -0.94	47.38 2.20 -1.24	50.69 2.52 -1.43	55.60 2.47 -1.59	59.62 2.90 -1.98	68.10 3.07 -2.34	76.93 3.73 -1.53	84.30 3.93 -0.20	83.28 2.89 0.00	75.94 1.78 0.00	67.77 1.07 0.05	60.08 1.08 1.09	53.91 0.75 0.68	48.18 0.85 0.13
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.80 1.48 0.00	34.97 1.51 0.00	34.95 1.82 0.00	39.49 1.88 -0.76	42.76 1.99 -0.94	46.99 1.80 -1.24	50.17 1.96 -1.47	54.94 1.80 -1.60	58.58 1.86 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.52 2.24 -0.10	81.76 1.37 0.00	74.83 0.67 0.00	66.96 0.20 0.00	60.57 0.48 0.00	54.49 0.65 0.00	48.31 0.85 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.23 1.13 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.80 1.48 0.00	34.97 1.51 0.00	34.95 1.82 0.00	39.49 1.88 -0.76	42.76 1.99 -0.94	46.99 1.80 -1.24	50.17 1.96 -1.47	54.94 1.80 -1.60	58.58 1.86 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.52 2.24 -0.10	81.76 1.37 0.00	74.83 0.67 0.00	66.96 0.20 0.00	60.63 0.54 0.00	54.49 0.65 0.00	48.31 0.85 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	44.41 1.54 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.92 1.79 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	46.94 1.76 -1.24	50.12 1.92 -1.47	54.88 1.75 -1.60	58.53 1.81 -1.98	66.79 1.76 -2.35	75.43 2.22 -1.53	82.44 2.16 -0.10	81.60 1.21 0.00	74.76 0.59 0.00	66.89 0.13 0.00	60.57 0.48 0.00	54.43 0.59 0.00	48.26 0.81 0.00
FARRAGUT___LBMP 323566	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.89 1.76 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.83 1.70 -1.60	58.47 1.75 -1.98	66.73 1.69 -2.35	75.36 2.15 -1.53	82.36 2.08 -0.10	81.52 1.13 0.00	74.68 0.52 0.00	66.83 0.07 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.21 0.76 0.00
FENNER___WINDPWR 24204	43.69 0.90 0.00	40.07 0.86 0.00	37.01 0.69 0.00	33.67 0.56 0.00	32.78 0.55 0.00	34.12 0.54 0.00	34.88 0.55 0.00	33.97 0.50 0.00	33.53 0.40 0.00	37.33 0.48 0.00	40.43 0.60 0.00	44.78 0.83 0.00	47.67 0.93 0.00	52.77 1.23 0.00	56.11 1.37 0.00	64.38 1.69 0.00	73.61 1.94 0.00	82.90 2.33 -0.40	83.60 2.81 -0.40	77.56 2.82 -0.57	70.14 2.60 -0.78	63.22 2.16 -0.97	56.88 1.88 -1.15	49.21 1.42 -0.33
FIBERTEK___ENERGY 23856	42.70 -0.09 0.00	39.28 0.08 0.00	36.18 -0.15 0.00	32.87 -0.23 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.23 -0.23 0.00	32.86 -0.27 0.00	36.71 -0.15 0.00	39.75 -0.08 0.00	44.17 0.22 0.00	47.06 0.33 0.00	52.00 0.46 0.00	55.23 0.49 0.00	63.38 0.69 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.36 0.96 0.00	75.20 1.04 0.00	67.69 0.93 0.00	60.81 0.72 0.00	54.54 0.70 0.00	47.93 0.47 0.00
FITZPATRICK___ 23598	41.59 -1.20 0.00	38.18 -1.02 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.23 -1.00 0.00	32.51 -1.08 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.78 -1.07 0.00	38.72 -1.12 0.00	42.89 -1.06 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.54 -1.20 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.48 -1.69 0.00	78.79 -1.61 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.89 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	44.35 1.50 -0.06	40.30 1.10 0.00	37.45 1.13 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.67 1.34 0.00	34.77 1.31 0.00	34.62 1.49 0.00	39.05 1.58 -0.61	42.26 1.67 -0.76	46.53 1.58 -1.00	49.70 1.78 -1.18	54.58 1.75 -1.29	58.31 1.97 -1.60	66.65 2.07 -1.89	75.50 2.58 -1.24	82.98 2.73 -0.08	82.64 2.25 0.00	75.80 1.63 0.00	67.89 1.13 0.00	61.29 1.20 0.00	54.86 1.02 0.00	48.45 1.00 0.00
FORT ORANGE___ 23900	42.56 -0.17 0.06	38.97 -0.23 0.00	36.18 -0.14 0.00	33.17 0.07 0.00	32.36 0.13 0.00	33.69 0.10 0.00	34.40 0.07 0.00	33.46 0.00 0.00	33.13 0.00 0.00	36.15 -0.15 0.55	38.83 -0.32 0.68	41.99 -1.06 0.90	44.60 -1.07 1.07	49.19 -1.18 1.16	52.09 -1.20 1.44	59.47 -1.51 1.71	69.05 -1.51 1.12	78.38 -1.69 0.10	78.62 -1.77 0.00	72.60 -1.56 0.00	65.23 -1.53 0.00	59.01 -1.08 0.00	52.71 -1.13 0.00	46.46 -1.00 0.00
FORT_DRUM_COGEN 23780	45.36 2.57 0.00	41.52 2.31 0.00	38.25 1.93 0.00	34.83 1.72 0.00	33.94 1.71 0.00	35.37 1.78 0.00	36.08 1.75 0.00	34.97 1.51 0.00	34.16 1.03 0.00	37.96 1.11 0.00	41.07 1.23 0.00	45.40 1.45 0.00	48.23 1.50 0.00	53.55 2.01 0.00	56.93 2.19 0.00	65.51 2.82 0.00	75.26 3.58 0.00	87.59 4.65 -2.76	89.38 6.27 -2.72	84.92 6.82 -3.94	78.59 6.48 -5.36	72.05 5.29 -6.67	66.25 4.52 -7.88	53.11 3.37 -2.29
FOX_HILLS___ESR 323835	44.71 1.84 -0.08	40.58 1.37 0.00	37.71 1.38 0.00	34.36 1.26 0.00	33.55 1.32 0.00	34.93 1.34 0.00	35.87 1.54 0.00	35.04 1.57 0.00	34.99 1.86 0.00	39.56 1.95 -0.76	42.88 2.11 -0.94	47.08 1.89 -1.24	49.98 1.78 -1.47	50.73 1.49 2.30	50.60 1.26 5.40	60.18 0.81 3.32	69.19 1.58 4.07	71.49 1.36 10.05	65.18 0.16 15.38	58.44 -0.44 15.28	51.33 -0.73 14.70	49.48 -0.30 10.31	49.24 0.48 5.09	48.45 1.00 0.00
FPL_FAR_ROCK_GT1 24212	45.86 2.99 -0.08	41.79 2.59 0.00	38.43 2.11 0.00	34.89 1.79 0.00	34.39 2.16 0.00	35.87 2.28 0.00	36.46 2.13 0.00	35.54 2.08 0.00	35.55 2.42 0.00	40.52 2.91 -0.76	43.60 2.83 -0.94	47.42 2.24 -1.24	50.69 2.52 -1.43	55.60 2.47 -1.59	59.62 2.90 -1.98	68.10 3.07 -2.34	76.94 3.72 -1.53	84.14 3.77 -0.20	83.04 2.65 0.00	75.94 1.78 0.00	67.77 1.06 0.05	60.08 1.08 1.09	53.91 0.75 0.68	48.22 0.90 0.13
FPL_FAR_ROCK_GT2 23815	45.86 2.99 -0.08	41.79 2.59 0.00	38.43 2.11 0.00	34.89 1.79 0.00	34.39 2.16 0.00	35.87 2.28 0.00	36.46 2.13 0.00	35.54 2.08 0.00	35.55 2.42 0.00	40.52 2.91 -0.76	43.60 2.83 -0.94	47.42 2.24 -1.24	50.69 2.52 -1.43	55.60 2.47 -1.59	59.62 2.90 -1.98	68.10 3.07 -2.34	76.94 3.72 -1.53	84.14 3.77 -0.20	83.04 2.65 0.00	75.94 1.78 0.00	67.77 1.06 0.05	60.08 1.08 1.09	53.91 0.75 0.68	48.22 0.90 0.13
FRANKLIN_FALL_HYD 24054	44.25 1.45 0.00	40.42 1.22 0.00	37.42 1.09 0.00	34.17 1.06 0.00	33.30 1.06 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.67 1.20 0.00	34.09 0.96 0.00	37.92 1.07 0.00	41.07 1.23 0.00	45.27 1.32 0.00	47.86 1.12 0.00	52.83 1.29 0.00	56.00 1.26 0.00	64.19 1.50 0.00	73.76 2.08 0.00	86.62 2.81 -3.64	87.11 3.14 -3.58	82.16 2.82 -5.18	76.48 2.67 -7.05	71.03 2.16 -8.78	65.78 1.56 -10.37	51.45 1.38 -2.61



FREEPORT_EQUS_GT1 23764	45.35 2.48 -0.08	41.32 2.12 0.00	38.07 1.74 0.00	34.56 1.46 0.00	34.07 1.84 0.00	35.53 1.95 0.00	36.15 1.82 0.00	35.24 1.77 0.00	35.25 2.12 0.00	40.19 2.58 -0.76	43.12 2.35 -0.94	46.76 1.58 -1.24	49.77 1.82 -1.21	54.72 1.60 -1.59	58.69 1.97 -1.98	66.78 1.75 -2.34	75.50 2.29 -1.53	82.51 2.24 -0.10	81.51 1.12 0.00	74.38 0.22 0.01	66.28 -0.07 0.41	54.60 0.12 5.61	50.55 -0.05 3.24	47.08 0.24 0.62
FREEPORT___CT2 23818	45.35 2.48 -0.08	41.32 2.12 0.00	38.07 1.74 0.00	34.56 1.46 0.00	34.07 1.84 0.00	35.53 1.95 0.00	36.15 1.82 0.00	35.24 1.77 0.00	35.25 2.12 0.00	40.19 2.58 -0.76	43.12 2.35 -0.94	46.76 1.58 -1.24	49.77 1.82 -1.21	54.72 1.60 -1.59	58.69 1.97 -1.98	66.78 1.75 -2.34	75.50 2.29 -1.53	82.51 2.24 -0.10	81.51 1.12 0.00	74.38 0.22 0.01	66.28 -0.07 0.41	54.60 0.12 5.61	50.55 -0.05 3.24	47.08 0.24 0.62
FRESHKLS_33_KV_LOAD 356253	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.00 1.41 0.00	35.94 1.61 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.64 2.03 -0.76	42.92 2.15 -0.94	47.08 1.89 -1.24	49.88 1.68 -1.46	50.62 1.39 2.31	50.54 1.20 5.40	60.12 0.75 3.32	69.11 1.51 4.07	71.49 1.36 10.05	65.18 0.16 15.38	58.44 -0.44 15.28	51.26 -0.80 14.70	49.42 -0.36 10.31	49.19 0.43 5.09	48.50 1.04 0.00
FULTON COGEN____ 23766	42.23 -0.56 0.00	38.81 -0.39 0.00	35.78 -0.54 0.00	32.54 -0.56 0.00	31.65 -0.58 0.00	32.95 -0.64 0.00	33.71 -0.62 0.00	32.86 -0.60 0.00	32.50 -0.63 0.00	36.26 -0.59 0.00	39.27 -0.56 0.00	43.55 -0.40 0.00	46.41 -0.33 0.00	51.28 -0.26 0.00	54.36 -0.38 0.00	62.37 -0.31 0.00	71.25 -0.43 0.00	79.69 -0.48 0.00	80.07 -0.32 0.00	74.02 -0.15 0.00	66.69 -0.07 0.00	59.91 -0.18 0.00	53.73 -0.11 0.00	47.27 -0.19 0.00
FULTON___LFGE 323630	45.66 2.91 0.04	41.87 2.67 0.00	38.69 2.36 0.00	35.29 2.18 0.00	34.33 2.09 0.00	35.80 2.22 0.00	36.49 2.16 0.00	35.20 1.74 0.00	34.32 1.19 0.00	37.15 0.74 0.44	39.77 0.48 0.54	43.54 0.31 0.72	46.26 0.37 0.85	51.07 0.46 0.93	54.41 0.82 1.15	62.83 1.50 1.36	73.23 2.44 0.89	84.12 4.01 0.06	86.10 5.71 0.00	80.32 6.15 0.00	72.37 5.61 0.00	65.13 5.05 0.00	58.15 4.31 0.00	50.92 3.46 0.00
G.F.CEMENT___DRP 24184	44.43 1.71 0.07	40.77 1.57 0.00	37.78 1.45 0.00	34.50 1.39 0.00	33.59 1.35 0.00	35.03 1.44 0.00	35.77 1.44 0.00	34.74 1.27 0.00	34.32 1.19 0.00	37.29 1.11 0.67	39.84 0.84 0.83	43.37 0.53 1.10	46.13 0.70 1.30	50.84 0.72 1.42	53.96 0.99 1.76	62.11 1.50 2.09	72.32 2.01 1.36	82.89 2.81 0.09	84.49 4.10 0.00	78.24 4.08 0.00	70.37 3.61 0.00	63.33 3.24 0.00	56.53 2.69 0.00	49.50 2.04 0.00
GARDENVILLE___LBMP 24039	43.26 0.47 0.00	40.97 1.76 0.00	36.83 0.51 0.00	33.04 -0.07 0.00	31.94 -0.29 0.00	33.05 -0.54 0.00	33.85 -0.48 0.00	32.93 -0.54 0.00	32.50 -0.63 0.00	37.08 0.22 0.00	40.35 0.52 0.00	46.06 2.11 0.00	48.93 2.20 0.00	54.37 2.83 0.00	57.86 3.12 0.00	66.13 3.45 0.00	74.76 3.08 0.00	83.54 3.37 0.00	83.61 3.22 0.00	77.65 3.49 0.00	70.23 3.47 0.00	63.09 3.00 0.00	57.34 3.50 0.00	50.30 2.85 0.00
GARDNVLA_35_KV_LD 355827	43.43 0.64 0.00	41.13 1.92 0.00	36.98 0.65 0.00	33.17 0.07 0.00	32.07 -0.16 0.00	33.15 -0.44 0.00	33.98 -0.34 0.00	33.10 -0.37 0.00	32.67 -0.46 0.00	37.30 0.44 0.00	40.55 0.72 0.00	46.36 2.42 0.00	49.26 2.52 0.00	54.73 3.20 0.00	58.24 3.50 0.00	66.64 3.95 0.00	75.26 3.58 0.00	84.18 4.01 0.00	84.17 3.78 0.00	78.17 4.00 0.00	70.70 3.94 0.00	63.45 3.36 0.00	57.66 3.82 0.00	50.54 3.08 0.00
GELCKHM___115KV_LOAD 80723	42.41 -0.39 0.00	39.01 -0.20 0.00	35.93 -0.40 0.00	32.68 -0.43 0.00	31.78 -0.45 0.00	33.08 -0.50 0.00	33.81 -0.51 0.00	33.00 -0.47 0.00	32.63 -0.50 0.00	36.45 -0.41 0.00	39.47 -0.36 0.00	43.82 -0.13 0.00	46.69 -0.05 0.00	51.59 0.05 0.00	54.80 0.05 0.00	62.81 0.13 0.00	71.75 0.07 0.00	80.25 0.08 0.00	80.63 0.24 0.00	74.54 0.37 0.00	67.09 0.33 0.00	60.27 0.18 0.00	54.06 0.22 0.00	47.55 0.09 0.00
GENERAL___MILLS 23808	43.35 0.56 0.00	41.05 1.84 0.00	36.91 0.58 0.00	33.11 0.00 0.00	32.01 -0.23 0.00	33.12 -0.47 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.60 -0.53 0.00	37.19 0.33 0.00	40.47 0.64 0.00	46.19 2.24 0.00	49.12 2.38 0.00	54.53 2.99 0.00	58.08 3.34 0.00	66.39 3.70 0.00	74.97 3.30 0.00	83.86 3.69 0.00	83.93 3.54 0.00	77.95 3.78 0.00	70.50 3.74 0.00	63.27 3.18 0.00	57.50 3.66 0.00	50.44 2.99 0.00
GE_PLASTICS___DRP 24183	42.28 -0.47 0.04	38.66 -0.55 0.00	36.00 -0.33 0.00	32.94 -0.17 0.00	32.14 -0.10 0.00	33.45 -0.13 0.00	34.16 -0.17 0.00	33.26 -0.20 0.00	32.96 -0.17 0.00	36.13 -0.29 0.43	38.86 -0.44 0.53	42.37 -0.88 0.70	44.97 -0.93 0.83	49.55 -1.08 0.90	52.52 -1.09 1.12	60.04 -1.32 1.33	69.45 -1.36 0.87	77.81 -1.76 0.60	78.48 -1.85 0.06	72.46 -1.71 0.00	65.09 -1.67 0.00	58.76 -1.32 0.00	52.60 -1.24 0.00	46.46 -1.00 0.00
GILBOA___1 23756	43.02 0.22 -0.01	39.36 0.16 0.00	36.80 0.47 0.00	33.60 0.50 0.00	32.75 0.51 0.00	34.09 0.50 0.00	34.64 0.31 0.00	33.76 0.30 0.00	33.53 0.40 0.00	37.31 0.33 -0.12	40.30 0.32 -0.15	44.32 0.18 -0.20	47.21 0.23 -0.24	51.95 0.16 -0.26	55.28 0.22 -0.32	63.25 0.19 -0.38	71.92 0.00 -0.25	79.87 -0.32 -0.02	79.91 -0.48 0.00	73.87 -0.30 0.00	66.56 -0.20 0.00	60.03 -0.06 0.00	53.73 -0.11 0.00	47.45 0.00 0.00
GILBOA___2 23757	43.02 0.22 -0.01	39.36 0.16 0.00	36.80 0.47 0.00	33.60 0.50 0.00	32.75 0.51 0.00	34.09 0.50 0.00	34.64 0.31 0.00	33.76 0.30 0.00	33.53 0.40 0.00	37.31 0.33 -0.12	40.30 0.32 -0.15	44.32 0.18 -0.20	47.21 0.23 -0.24	51.95 0.16 -0.26	55.28 0.22 -0.32	63.25 0.19 -0.38	71.92 0.00 -0.25	79.87 -0.32 -0.02	79.91 -0.48 0.00	73.87 -0.30 0.00	66.56 -0.20 0.00	60.03 -0.06 0.00	53.73 -0.11 0.00	47.45 0.00 0.00
GILBOA___3 23758	43.02 0.22 -0.01	39.36 0.16 0.00	36.80 0.47 0.00	33.60 0.50 0.00	32.75 0.51 0.00	34.09 0.50 0.00	34.64 0.31 0.00	33.76 0.30 0.00	33.53 0.40 0.00	37.31 0.33 -0.12	40.30 0.32 -0.15	44.32 0.18 -0.20	47.21 0.23 -0.24	51.95 0.16 -0.26	55.28 0.22 -0.32	63.25 0.19 -0.38	71.92 0.00 -0.25	79.87 -0.32 -0.02	79.91 -0.48 0.00	73.87 -0.30 0.00	66.56 -0.20 0.00	60.03 -0.06 0.00	53.73 -0.11 0.00	47.45 0.00 0.00
GILBOA___4 23759	43.02 0.22 -0.01	39.36 0.16 0.00	36.80 0.47 0.00	33.60 0.50 0.00	32.75 0.51 0.00	34.09 0.50 0.00	34.64 0.31 0.00	33.76 0.30 0.00	33.53 0.40 0.00	37.31 0.33 -0.12	40.30 0.32 -0.15	44.32 0.18 -0.20	47.21 0.23 -0.24	51.95 0.16 -0.26	55.28 0.22 -0.32	63.25 0.19 -0.38	71.92 0.00 -0.25	79.87 -0.32 -0.02	79.91 -0.48 0.00	73.87 -0.30 0.00	66.56 -0.20 0.00	60.03 -0.06 0.00	53.73 -0.11 0.00	47.45 0.00 0.00



GILBOA____ 23599	43.02 0.21 -0.01	39.36 0.16 0.00	36.80 0.47 0.00	33.60 0.50 0.00	32.75 0.52 0.00	34.09 0.50 0.00	34.64 0.31 0.00	33.77 0.30 0.00	33.53 0.40 0.00	37.31 0.33 -0.12	40.30 0.32 -0.15	44.32 0.18 -0.20	47.21 0.23 -0.24	51.95 0.15 -0.26	55.28 0.22 -0.32	63.25 0.19 -0.38	71.92 0.00 -0.25	79.87 -0.32 -0.02	79.91 -0.48 0.00	73.87 -0.30 0.00	66.56 -0.20 0.00	60.03 -0.06 0.00	53.73 -0.11 0.00	47.45 0.00 0.00
GINNA____ 23603	41.25 -1.54 0.00	38.26 -0.94 0.00	35.02 -1.31 0.00	31.55 -1.56 0.00	30.59 -1.64 0.00	31.87 -1.71 0.00	32.54 -1.79 0.00	31.76 -1.71 0.00	31.34 -1.79 0.00	35.56 -1.29 0.00	38.68 -1.16 0.00	43.64 -0.31 0.00	46.41 -0.32 0.00	51.64 0.10 0.00	54.85 0.11 0.00	62.88 0.19 0.00	71.46 -0.21 0.00	80.17 0.00 0.00	80.63 0.24 0.00	74.09 -0.07 0.00	67.03 0.27 0.00	59.97 -0.12 0.00	53.90 0.05 0.00	47.22 -0.24 0.00
GLEN PARK____ 23778	45.66 2.87 0.00	41.75 2.55 0.00	38.47 2.14 0.00	34.99 1.89 0.00	34.10 1.87 0.00	35.53 1.95 0.00	36.25 1.92 0.00	35.14 1.67 0.00	34.29 1.16 0.00	38.11 1.25 0.00	41.22 1.39 0.00	45.57 1.63 0.00	48.37 1.63 0.00	53.75 2.21 0.00	57.15 2.41 0.00	65.82 3.13 0.00	75.62 3.94 0.00	88.00 5.21 -2.62	89.96 6.99 -2.57	85.46 7.57 -3.73	78.98 7.15 -5.07	72.29 5.89 -6.32	66.36 5.06 -7.46	53.42 3.80 -2.16
GLENDALE_27_KV_LOAD 356172	44.84 1.97 -0.08	40.69 1.49 0.00	37.82 1.49 0.00	34.50 1.39 0.00	33.68 1.45 0.00	35.10 1.51 0.00	36.08 1.75 0.00	35.24 1.77 0.00	35.22 2.09 0.00	39.79 2.17 -0.76	43.12 2.35 -0.94	47.38 2.20 -1.24	50.54 2.34 -1.47	55.19 2.06 -1.60	58.58 1.86 -1.98	66.66 1.63 -2.35	75.65 2.44 -1.53	82.60 2.32 -0.10	81.52 1.13 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.92 1.08 0.00	48.74 1.28 0.00
GLENWOOD_IC_1_G5 23712	44.79 1.93 -0.08	40.77 1.57 0.00	37.78 1.45 0.00	34.36 1.26 0.00	33.71 1.48 0.00	35.16 1.58 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.79 2.17 -0.76	42.96 2.19 -0.94	46.95 1.76 -1.24	50.13 2.01 -1.38	54.63 1.49 -1.60	58.48 1.75 -1.98	66.79 1.76 -2.35	75.36 2.15 -1.53	82.44 2.16 -0.10	81.68 1.29 0.00	74.61 0.44 0.00	66.55 -0.07 0.14	56.92 0.18 3.35	52.33 0.43 1.94	47.66 0.57 0.37
GLENWOOD_IC_2_G1 23688	44.53 1.67 -0.08	40.54 1.33 0.00	37.52 1.20 0.00	34.20 1.09 0.00	33.49 1.26 0.00	34.89 1.31 0.00	35.74 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.49 1.88 -0.76	42.72 1.95 -0.94	46.83 1.63 -1.25	50.20 1.82 -1.64	54.75 1.60 -1.61	58.54 1.80 -1.99	66.80 1.75 -2.36	75.37 2.15 -1.54	82.45 2.17 -0.11	81.61 1.21 -0.01	74.85 0.67 -0.01	67.23 0.20 -0.27	60.51 0.42 0.00	54.22 0.38 0.00	48.07 0.62 0.00
GLENWOOD_IC_3_G1 23689	44.53 1.67 -0.08	40.54 1.33 0.00	37.52 1.20 0.00	34.20 1.09 0.00	33.49 1.26 0.00	34.89 1.31 0.00	35.74 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.49 1.88 -0.76	42.72 1.95 -0.94	46.83 1.63 -1.25	50.20 1.82 -1.64	54.75 1.60 -1.61	58.54 1.80 -1.99	66.80 1.75 -2.36	75.37 2.15 -1.54	82.45 2.17 -0.11	81.61 1.21 -0.01	74.85 0.67 -0.01	67.23 0.20 -0.27	60.51 0.42 0.00	54.22 0.38 0.00	48.07 0.62 0.00
GLENWOOD____4 23550	44.79 1.93 -0.08	40.77 1.57 0.00	37.78 1.45 0.00	34.36 1.26 0.00	33.71 1.48 0.00	35.16 1.58 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.79 2.17 -0.76	42.96 2.19 -0.94	46.95 1.76 -1.24	50.13 2.01 -1.38	54.78 1.65 -1.60	58.64 1.92 -1.98	66.92 1.88 -2.35	75.58 2.37 -1.53	82.68 2.41 -0.10	81.84 1.45 0.00	74.76 0.59 0.00	66.75 0.13 0.14	57.10 0.36 3.35	52.33 0.43 1.94	47.66 0.57 0.37
GLENWOOD____5 23614	44.79 1.93 -0.08	40.77 1.57 0.00	37.78 1.45 0.00	34.36 1.26 0.00	33.71 1.48 0.00	35.16 1.58 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.79 2.17 -0.76	42.96 2.19 -0.94	46.95 1.76 -1.24	50.13 2.01 -1.38	54.78 1.65 -1.60	58.64 1.92 -1.98	66.92 1.88 -2.35	75.58 2.37 -1.53	82.68 2.41 -0.10	81.84 1.45 0.00	74.76 0.59 0.00	66.75 0.13 0.14	57.10 0.36 3.35	52.33 0.43 1.94	47.66 0.57 0.37
GLOBAL GREEN_PORT_GT1 23814	47.02 4.15 -0.08	42.89 3.68 0.00	39.34 3.01 0.00	35.59 2.48 0.00	35.26 3.03 0.00	36.88 3.29 0.00	37.24 2.92 0.00	36.28 2.81 0.00	36.38 3.25 0.00	41.74 4.13 -0.76	44.99 4.22 -0.94	48.65 3.47 -1.23	51.56 4.07 -0.95	57.19 5.03 -1.58	61.75 5.58 -1.97	70.60 5.58 -2.34	80.15 6.95 -1.53	88.27 8.09 0.00	86.82 6.43 0.01	78.45 4.30 0.01	68.79 2.87 0.84	52.50 2.58 10.17	49.75 1.77 5.86	48.05 1.71 1.11
GLOBE____DSASP 323697	41.72 -1.07 0.00	39.67 0.47 0.00	35.64 -0.69 0.00	31.95 -1.16 0.00	30.88 -1.35 0.00	31.91 -1.68 0.00	32.71 -1.61 0.00	31.82 -1.64 0.00	31.37 -1.76 0.00	35.82 -1.03 0.00	38.96 -0.88 0.00	44.52 0.57 0.00	47.25 0.51 0.00	52.46 0.93 0.00	55.78 1.04 0.00	63.75 1.07 0.00	71.96 0.29 0.00	80.33 0.16 0.00	80.39 0.00 0.00	74.54 0.37 0.00	67.56 0.80 0.00	60.75 0.66 0.00	55.35 1.51 0.00	48.64 1.19 0.00
GOETHSLN____LBMP 323567	44.15 1.28 -0.08	40.07 0.86 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.20 0.97 0.00	34.59 1.01 0.00	35.56 1.24 0.00	34.77 1.31 0.00	34.75 1.62 0.00	39.27 1.66 -0.76	42.52 1.75 -0.94	46.72 1.54 -1.24	49.84 1.64 -1.47	50.57 1.34 2.30	50.75 1.42 5.41	60.62 1.25 3.32	69.25 1.65 4.08	71.64 1.52 10.06	65.65 0.64 15.38	58.94 0.07 15.30	51.65 -0.40 14.71	49.76 0.00 10.33	48.91 0.16 5.09	47.93 0.47 0.00
GOLAH____69_KV_TB 1_2 80279	43.30 0.51 0.00	40.58 1.37 0.00	36.76 0.44 0.00	33.07 -0.03 0.00	32.07 -0.16 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.03 -0.44 0.00	32.57 -0.56 0.00	36.93 0.07 0.00	40.11 0.28 0.00	45.35 1.41 0.00	48.23 1.50 0.00	53.60 2.06 0.00	57.04 2.30 0.00	65.32 2.63 0.00	74.19 2.51 0.00	83.38 3.21 0.00	83.69 3.30 0.00	77.58 3.41 0.00	70.30 3.54 0.00	62.91 2.82 0.00	56.75 2.91 0.00	49.83 2.37 0.00
GOODYEAR_LAKE_HYD 323669	44.33 1.54 0.00	40.62 1.41 0.00	37.63 1.31 0.00	34.26 1.16 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.46 1.13 0.00	34.60 1.14 0.00	34.19 1.06 0.00	38.03 1.18 0.00	41.15 1.31 0.00	45.44 1.49 0.00	48.37 1.64 0.00	53.44 1.91 0.00	56.88 2.13 0.00	65.19 2.51 0.00	74.54 2.87 0.00	83.46 3.29 0.00	83.93 3.54 0.00	77.65 3.49 0.00	69.96 3.20 0.00	62.85 2.76 0.00	56.26 2.42 0.00	49.40 1.95 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	43.18 0.39 0.00	39.87 0.67 0.00	36.65 0.33 0.00	33.27 0.17 0.00	32.33 0.10 0.00	33.59 0.00 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.23 0.10 0.00	37.15 0.29 0.00	40.23 0.40 0.00	44.83 0.88 0.00	47.77 1.03 0.00	52.77 1.24 0.00	56.11 1.37 0.00	64.25 1.57 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.16 1.77 0.00	76.09 1.93 0.00	68.56 1.80 0.00	61.65 1.56 0.00	55.40 1.56 0.00	48.69 1.23 0.00



GOUDEY___7 23579	43.18 0.39 0.00	39.87 0.67 0.00	36.65 0.33 0.00	33.27 0.17 0.00	32.33 0.10 0.00	33.59 0.00 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.23 0.10 0.00	37.15 0.29 0.00	40.23 0.40 0.00	44.83 0.88 0.00	47.77 1.03 0.00	52.77 1.24 0.00	56.11 1.37 0.00	64.25 1.57 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.16 1.77 0.00	76.09 1.93 0.00	68.56 1.80 0.00	61.65 1.56 0.00	55.40 1.56 0.00	48.69 1.23 0.00
GOUDEY___8 23580	43.18 0.39 0.00	39.87 0.67 0.00	36.65 0.33 0.00	33.27 0.17 0.00	32.33 0.10 0.00	33.59 0.00 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.23 0.10 0.00	37.15 0.29 0.00	40.23 0.40 0.00	44.83 0.88 0.00	47.77 1.03 0.00	52.77 1.24 0.00	56.11 1.37 0.00	64.25 1.57 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.16 1.77 0.00	76.09 1.93 0.00	68.56 1.80 0.00	61.65 1.56 0.00	55.40 1.56 0.00	48.69 1.23 0.00
GOWANUS_GT1_1 24077	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT1_2 24078	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT1_3 24079	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT1_4 24080	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT1_5 24084	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT1_6 24111	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT1_7 24112	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT1_8 24113	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT2_1 24114	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.01 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT2_2 24115	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.01 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT2_3 24116	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.01 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT2_4 24117	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.01 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT2_5 24118	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.01 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01



GOWANUS_GT2_6 24119	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT2_7 24120	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT2_8 24121	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_1 24122	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_2 24123	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_3 24124	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_4 24125	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_5 24126	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_6 24127	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_7 24128	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT3_8 24129	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
GOWANUS_GT4_1 24130	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT4_2 24131	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT4_3 24132	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT4_4 24133	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00



GOWANUS_GT4_5 24134	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT4_6 24135	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT4_7 24136	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GOWANUS_GT4_8 24137	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GREATVR_69_KV_BK1 356245	45.86 3.00 -0.08	41.95 2.74 0.00	38.54 2.22 0.00	34.93 1.82 0.00	34.52 2.29 0.00	36.04 2.45 0.00	36.52 2.20 0.00	35.61 2.14 0.00	35.61 2.48 0.00	40.71 3.10 -0.76	43.64 2.87 -0.94	46.94 1.76 -1.23	49.67 1.96 -0.97	54.97 1.86 -1.58	59.12 2.41 -1.97	67.35 2.32 -2.34	76.36 3.15 -1.53	83.79 3.61 -0.01	82.80 2.41 0.01	74.97 0.82 0.01	66.29 0.33 0.81	50.72 0.48 9.85	48.32 0.16 5.68	46.71 0.33 1.08
GREENBSH_115KV_TB3 55895	42.26 -0.47 0.06	38.66 -0.55 0.00	35.96 -0.36 0.00	33.01 -0.10 0.00	32.20 -0.03 0.00	33.48 -0.10 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	33.03 -0.10 0.00	35.97 -0.29 0.59	38.67 -0.44 0.73	42.10 -0.88 0.96	44.66 -0.93 1.14	49.21 -1.08 1.24	52.10 -1.09 1.54	59.55 -1.32 1.83	69.12 -1.36 1.19	78.41 -1.68 0.08	78.70 -1.69 0.00	72.53 -1.63 0.00	65.16 -1.60 0.00	58.82 -1.26 0.00	52.60 -1.24 0.00	46.51 -0.95 0.00
GREENDGE_115KV_TB5 80291	43.65 0.86 0.00	40.58 1.37 0.00	36.94 0.62 0.00	33.44 0.33 0.00	32.43 0.19 0.00	33.72 0.13 0.00	34.53 0.21 0.00	33.66 0.20 0.00	33.20 0.07 0.00	37.26 0.41 0.00	40.39 0.56 0.00	45.35 1.41 0.00	48.05 1.31 0.00	53.24 1.70 0.00	56.60 1.86 0.00	65.01 2.32 0.00	74.04 2.37 0.00	83.14 2.97 0.00	83.93 3.54 0.00	77.95 3.78 0.00	70.37 3.61 0.00	63.03 2.94 0.00	56.70 2.85 0.00	49.59 2.14 0.00
GREENIDGE___3 23582	43.65 0.86 0.00	40.58 1.37 0.00	36.94 0.62 0.00	33.44 0.33 0.00	32.43 0.19 0.00	33.72 0.13 0.00	34.53 0.21 0.00	33.66 0.20 0.00	33.20 0.07 0.00	37.26 0.41 0.00	40.39 0.56 0.00	45.35 1.41 0.00	48.05 1.31 0.00	53.24 1.70 0.00	56.60 1.86 0.00	65.01 2.32 0.00	74.04 2.37 0.00	83.14 2.97 0.00	83.93 3.54 0.00	77.95 3.78 0.00	70.37 3.61 0.00	63.03 2.94 0.00	56.70 2.85 0.00	49.59 2.14 0.00
GREENIDGE___4 23583	43.65 0.86 0.00	40.38 1.18 0.00	36.94 0.62 0.00	33.44 0.33 0.00	32.43 0.19 0.00	33.72 0.13 0.00	34.53 0.21 0.00	33.67 0.20 0.00	33.16 0.03 0.00	37.26 0.41 0.00	40.39 0.56 0.00	45.35 1.41 0.00	48.04 1.31 0.00	53.23 1.70 0.00	56.60 1.86 0.00	65.01 2.32 0.00	74.04 2.36 0.00	83.22 3.05 0.00	84.17 3.78 0.00	77.95 3.78 0.00	70.36 3.60 0.00	63.03 2.94 0.00	56.69 2.85 0.00	49.49 2.04 0.00
GREENLWN_69_KV_BK 3 55738	44.66 1.80 -0.08	40.85 1.65 0.00	37.67 1.34 0.00	34.20 1.09 0.00	33.71 1.48 0.00	35.20 1.61 0.00	35.77 1.44 0.00	34.87 1.41 0.00	34.89 1.76 0.00	39.82 2.21 -0.76	42.44 1.67 -0.94	45.58 0.40 -1.23	48.31 0.61 -0.96	53.43 0.31 -1.58	57.32 0.60 -1.97	65.40 0.38 -2.34	73.92 0.72 -1.53	80.90 0.72 0.00	79.98 -0.40 0.01	72.67 -1.48 0.01	64.08 -1.87 0.81	48.65 -1.50 9.93	46.61 -1.51 5.73	45.28 -1.09 1.09
GREENWD_138_KV_38B11_REV_LBMP_J 345004	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00
GRISSOM___SOLAR 323813	45.40 2.65 0.05	41.60 2.39 0.00	38.47 2.14 0.00	35.09 1.99 0.00	34.13 1.90 0.00	35.60 2.01 0.00	36.28 1.96 0.00	35.04 1.57 0.00	34.16 1.03 0.00	36.96 0.55 0.45	39.48 0.20 0.56	43.12 -0.09 0.74	45.82 -0.05 0.87	50.59 0.00 0.95	53.95 0.39 1.18	62.29 1.00 1.39	72.70 1.94 0.91	83.56 3.45 0.06	85.46 5.07 0.00	79.73 5.57 0.00	71.77 5.01 0.00	64.60 4.51 0.00	57.66 3.82 0.00	50.54 3.08 0.00
GROVEVILLE___HYD 323602	44.35 1.50 -0.06	40.30 1.10 0.00	37.45 1.13 0.00	34.20 1.09 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.67 1.34 0.00	34.77 1.31 0.00	34.62 1.49 0.00	39.05 1.58 -0.61	42.26 1.67 -0.76	46.53 1.58 -1.00	49.70 1.78 -1.18	54.58 1.75 -1.29	58.31 1.97 -1.60	66.65 2.07 -1.89	75.50 2.58 -1.24	82.98 2.73 -0.08	82.64 2.25 0.00	75.80 1.63 0.00	67.89 1.13 0.00	61.29 1.20 0.00	54.86 1.02 0.00	48.45 1.00 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	42.70 -0.09 0.00	39.28 0.08 0.00	36.18 -0.15 0.00	32.87 -0.23 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.23 -0.23 0.00	32.86 -0.27 0.00	36.71 -0.15 0.00	39.75 -0.08 0.00	44.17 0.22 0.00	47.06 0.33 0.00	52.00 0.46 0.00	55.23 0.49 0.00	63.38 0.69 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.36 0.96 0.00	75.20 1.04 0.00	67.69 0.93 0.00	60.81 0.72 0.00	54.54 0.70 0.00	47.93 0.47 0.00
HAMLTNNY_34_KV_TB 80303	42.92 0.13 0.00	39.56 0.35 0.00	36.36 0.04 0.00	33.01 -0.10 0.00	32.07 -0.16 0.00	33.42 -0.17 0.00	34.16 -0.17 0.00	33.30 -0.17 0.00	32.93 -0.20 0.00	36.85 0.00 0.00	39.95 0.12 0.00	44.52 0.57 0.00	47.44 0.70 0.00	52.52 0.98 0.00	55.73 0.99 0.00	63.94 1.25 0.00	72.97 1.29 0.00	81.70 1.52 0.00	82.08 1.69 0.00	75.94 1.78 0.00	68.43 1.67 0.00	61.41 1.32 0.00	55.13 1.29 0.00	48.36 0.90 0.00



HAMPSHIRE___PAPER_HYD 323593	44.42 1.63 0.00	40.58 1.37 0.00	37.52 1.20 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.56 1.23 0.00	34.53 1.07 0.00	33.86 0.73 0.00	37.63 0.78 0.00	40.71 0.88 0.00	44.96 1.01 0.00	47.62 0.89 0.00	52.77 1.23 0.00	56.00 1.26 0.00	64.31 1.63 0.00	73.83 2.15 0.00	90.17 2.97 -7.03	91.09 3.78 -6.92	88.10 3.93 -10.01	84.11 3.74 -13.62	79.99 2.94 -16.96	76.36 2.48 -20.04	55.11 1.85 -5.81
HARDSCRABBLE_WT_PWR 323673	42.40 -0.39 0.00	38.81 -0.39 0.00	36.00 -0.33 0.00	32.81 -0.30 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.28 0.00	33.20 -0.27 0.00	32.86 -0.27 0.00	36.56 -0.30 0.00	39.55 -0.28 0.00	43.59 -0.35 0.00	46.36 -0.38 0.00	51.18 -0.36 0.00	54.41 -0.33 0.00	62.31 -0.37 0.00	71.25 -0.43 0.00	79.69 -0.48 0.00	79.99 -0.40 0.00	73.87 -0.30 0.00	66.49 -0.27 0.00	59.85 -0.24 0.00	53.57 -0.27 0.00	47.07 -0.38 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	44.10 1.24 -0.07	40.11 0.90 0.00	37.27 0.94 0.00	34.03 0.93 0.00	33.23 1.00 0.00	34.59 1.01 0.00	35.46 1.13 0.00	34.64 1.17 0.00	34.55 1.42 0.00	38.99 1.47 -0.66	42.16 1.51 -0.82	46.44 1.41 -1.08	49.65 1.64 -1.28	54.53 1.60 -1.39	58.22 1.75 -1.73	66.56 1.82 -2.05	75.24 2.22 -1.34	82.59 2.32 -0.09	82.16 1.77 0.00	75.35 1.19 0.00	67.49 0.73 0.00	60.93 0.84 0.00	54.54 0.70 0.00	48.17 0.71 0.00
HARSNRAD_115KV_TB1 81005	42.96 0.17 0.00	40.81 1.61 0.00	36.65 0.33 0.00	32.84 -0.26 0.00	31.75 -0.48 0.00	32.85 -0.74 0.00	33.61 -0.72 0.00	32.39 -1.07 0.00	31.94 -1.19 0.00	36.49 -0.37 0.00	39.67 -0.16 0.00	45.22 1.27 0.00	48.00 1.26 0.00	53.39 1.86 0.00	56.77 2.03 0.00	64.82 2.13 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.00 1.61 0.00	76.09 1.93 0.00	68.96 2.20 0.00	61.95 1.86 0.00	56.37 2.53 0.00	49.78 2.33 0.00
HARZA MOOSE___RIVER 24016	44.37 1.58 0.00	40.66 1.45 0.00	37.56 1.24 0.00	34.20 1.09 0.00	33.33 1.10 0.00	34.73 1.14 0.00	35.46 1.13 0.00	34.50 1.04 0.00	33.89 0.76 0.00	37.70 0.85 0.00	40.79 0.96 0.00	45.05 1.10 0.00	47.86 1.12 0.00	53.03 1.49 0.00	56.38 1.64 0.00	64.76 2.07 0.00	74.26 2.58 0.00	85.31 3.21 -1.93	86.31 4.02 -1.90	81.07 4.15 -2.75	74.38 3.87 -3.74	67.70 2.94 -4.67	61.77 2.42 -5.51	50.76 1.71 -1.60
HDSNBRDG_115KV_BRDG_TB1 355580	42.41 -0.39 0.00	39.01 -0.20 0.00	35.96 -0.36 0.00	32.68 -0.43 0.00	31.78 -0.45 0.00	33.08 -0.50 0.00	33.81 -0.51 0.00	33.00 -0.47 0.00	32.67 -0.46 0.00	36.49 -0.37 0.00	39.51 -0.32 0.00	43.86 -0.09 0.00	46.74 0.00 0.00	51.59 0.05 0.00	54.80 0.05 0.00	62.88 0.19 0.00	71.75 0.07 0.00	80.33 0.16 0.00	80.63 0.24 0.00	74.54 0.37 0.00	67.09 0.33 0.00	60.27 0.18 0.00	54.06 0.22 0.00	47.55 0.09 0.00
HELLGATE_13_KV_LD 55870	44.84 1.97 -0.08	40.69 1.49 0.00	37.82 1.49 0.00	34.50 1.39 0.00	33.71 1.48 0.00	35.10 1.51 0.00	36.08 1.75 0.00	35.24 1.77 0.00	35.22 2.09 0.00	39.79 2.17 -0.76	43.12 2.35 -0.94	47.38 2.20 -1.24	50.54 2.34 -1.47	55.19 2.06 -1.60	58.53 1.81 -1.98	66.60 1.57 -2.35	75.58 2.37 -1.53	82.52 2.24 -0.10	81.44 1.05 0.00	74.54 0.37 0.00	66.69 -0.07 0.00	60.39 0.30 0.00	54.92 1.08 0.00	48.74 1.28 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	44.84 1.97 -0.08	40.69 1.49 0.00	37.82 1.49 0.00	34.50 1.39 0.00	33.71 1.48 0.00	35.10 1.51 0.00	36.08 1.75 0.00	35.24 1.77 0.00	35.22 2.09 0.00	39.79 2.17 -0.76	43.12 2.35 -0.94	47.38 2.20 -1.24	50.54 2.34 -1.47	55.19 2.06 -1.60	58.53 1.81 -1.98	66.60 1.57 -2.35	75.58 2.37 -1.53	82.52 2.24 -0.10	81.44 1.05 0.00	74.54 0.37 0.00	66.69 -0.07 0.00	60.39 0.30 0.00	54.92 1.08 0.00	48.74 1.28 0.00
HEMPSTEAD____ 23647	44.88 2.01 -0.08	40.89 1.68 0.00	37.74 1.42 0.00	34.30 1.19 0.00	33.75 1.52 0.00	35.20 1.61 0.00	35.87 1.55 0.00	34.97 1.51 0.00	34.98 1.85 0.00	39.82 2.21 -0.76	42.80 2.03 -0.94	46.55 1.36 -1.24	49.53 1.54 -1.26	54.36 1.23 -1.59	58.25 1.53 -1.98	66.41 1.38 -2.34	75.07 1.86 -1.53	82.03 1.76 -0.10	81.03 0.64 0.00	74.09 -0.07 0.00	65.88 -0.54 0.34	54.79 -0.24 5.05	50.60 -0.32 2.92	46.95 0.05 0.56
HICKLING___1 23621	43.56 0.77 0.00	40.58 1.37 0.00	36.91 0.58 0.00	33.40 0.30 0.00	32.39 0.16 0.00	33.59 0.00 0.00	34.43 0.10 0.00	33.60 0.13 0.00	33.20 0.07 0.00	37.30 0.44 0.00	40.47 0.64 0.00	45.53 1.58 0.00	48.51 1.78 0.00	53.75 2.22 0.00	57.15 2.41 0.00	65.45 2.76 0.00	74.40 2.72 0.00	83.30 3.13 0.00	83.77 3.38 0.00	77.95 3.78 0.00	70.37 3.61 0.00	63.09 3.00 0.00	56.91 3.07 0.00	49.88 2.42 0.00
HICKLING___2 23622	43.56 0.77 0.00	40.58 1.37 0.00	36.91 0.58 0.00	33.40 0.30 0.00	32.39 0.16 0.00	33.59 0.00 0.00	34.43 0.10 0.00	33.60 0.13 0.00	33.20 0.07 0.00	37.30 0.44 0.00	40.47 0.64 0.00	45.53 1.58 0.00	48.51 1.78 0.00	53.75 2.22 0.00	57.15 2.41 0.00	65.45 2.76 0.00	74.40 2.72 0.00	83.30 3.13 0.00	83.77 3.38 0.00	77.95 3.78 0.00	70.37 3.61 0.00	63.09 3.00 0.00	56.91 3.07 0.00	49.88 2.42 0.00
HIGH FALLS___HY 23754	44.42 1.58 -0.04	40.42 1.22 0.00	37.56 1.24 0.00	34.23 1.13 0.00	33.46 1.22 0.00	34.83 1.24 0.00	35.70 1.37 0.00	34.84 1.37 0.00	34.72 1.59 0.00	38.92 1.66 -0.41	42.05 1.71 -0.51	46.37 1.76 -0.67	49.49 1.96 -0.79	54.41 2.01 -0.86	58.06 2.24 -1.07	66.40 2.44 -1.27	75.59 3.08 -0.83	83.64 3.45 -0.02	83.44 3.05 0.00	76.54 2.37 0.00	68.56 1.80 0.00	61.83 1.74 0.00	55.30 1.45 0.00	48.78 1.33 0.00
HIGH_RIVER___SOLAR 323847	44.24 1.50 0.05	40.54 1.33 0.00	37.56 1.24 0.00	34.26 1.16 0.00	33.36 1.13 0.00	34.76 1.17 0.00	35.46 1.13 0.00	34.33 0.87 0.00	33.73 0.60 0.00	36.63 0.26 0.48	39.19 -0.04 0.60	42.80 -0.35 0.79	45.48 -0.32 0.94	50.16 -0.36 1.02	53.31 -0.16 1.27	61.44 0.25 1.50	71.41 0.72 0.98	81.63 1.52 0.07	82.96 2.57 0.00	77.05 2.89 0.00	69.36 2.60 0.00	62.43 2.34 0.00	55.83 1.99 0.00	49.11 1.66 0.00
HILLBURN___GT 23639	43.97 1.11 -0.07	40.03 0.82 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.39 1.07 0.00	34.60 1.14 0.00	34.59 1.46 0.00	38.97 1.44 -0.68	42.19 1.51 -0.84	46.43 1.36 -1.12	49.55 1.50 -1.32	54.37 1.39 -1.44	58.06 1.53 -1.79	66.37 1.57 -2.12	74.92 1.86 -1.38	82.03 1.76 -0.09	81.36 0.97 0.00	74.76 0.59 0.00	66.96 0.20 0.00	60.51 0.42 0.00	54.22 0.38 0.00	48.03 0.57 0.00
HILLSIDE_115KV_TB1 80332	42.83 0.04 0.00	39.87 0.67 0.00	36.36 0.04 0.00	32.91 -0.20 0.00	31.94 -0.29 0.00	33.12 -0.47 0.00	33.92 -0.41 0.00	33.13 -0.33 0.00	32.80 -0.33 0.00	36.82 -0.04 0.00	39.91 0.08 0.00	44.83 0.88 0.00	47.77 1.03 0.00	52.88 1.34 0.00	56.22 1.48 0.00	64.38 1.69 0.00	73.11 1.43 0.00	81.78 1.60 0.00	82.16 1.77 0.00	76.32 2.15 0.00	68.90 2.14 0.00	61.83 1.74 0.00	55.73 1.88 0.00	48.93 1.47 0.00



HISHELDN_WT_PWR 323625	43.22 0.43 0.00	40.42 1.22 0.00	36.80 0.47 0.00	33.04 -0.07 0.00	31.97 -0.26 0.00	33.08 -0.50 0.00	33.92 -0.41 0.00	32.89 -0.57 0.00	32.33 -0.80 0.00	36.85 0.00 0.00	40.03 0.20 0.00	45.57 1.63 0.00	48.42 1.68 0.00	53.75 2.21 0.00	57.15 2.41 0.00	65.38 2.69 0.00	73.97 2.29 0.00	82.90 2.73 0.00	83.52 3.13 0.00	77.35 3.19 0.00	69.96 3.20 0.00	62.79 2.71 0.00	57.02 3.18 0.00	49.92 2.47 0.00
HOLTSVILLE_IC_1 23690	45.22 2.35 -0.08	41.28 2.08 0.00	37.92 1.60 0.00	34.40 1.29 0.00	33.97 1.74 0.00	35.50 1.91 0.00	36.01 1.68 0.00	35.07 1.61 0.00	35.08 1.95 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.06 0.88 -1.23	48.57 0.89 -0.95	53.69 0.57 -1.58	57.75 1.04 -1.97	65.78 0.75 -2.34	74.50 1.29 -1.53	81.69 1.52 0.00	80.55 0.16 0.01	73.18 -0.97 0.01	64.65 -1.27 0.84	49.00 -0.90 10.19	47.00 -0.97 5.87	45.77 -0.57 1.11
HOLTSVILLE_IC_10 23699	45.48 2.61 -0.08	41.52 2.31 0.00	38.11 1.78 0.00	34.53 1.42 0.00	34.13 1.90 0.00	35.67 2.08 0.00	36.15 1.82 0.00	35.20 1.74 0.00	35.25 2.12 0.00	40.27 2.65 -0.76	43.16 2.39 -0.94	46.37 1.19 -1.23	48.95 1.26 -0.95	54.10 0.98 -1.58	58.25 1.53 -1.97	66.34 1.32 -2.34	75.14 1.94 -1.53	82.42 2.24 0.00	81.27 0.89 0.01	73.78 -0.37 0.01	65.20 -0.73 0.83	49.50 -0.48 10.11	47.37 -0.64 5.83	46.07 -0.28 1.10
HOLTSVILLE_IC_2 23691	45.22 2.35 -0.08	41.28 2.08 0.00	37.92 1.60 0.00	34.40 1.29 0.00	33.97 1.74 0.00	35.50 1.91 0.00	36.01 1.68 0.00	35.07 1.61 0.00	35.08 1.95 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.06 0.88 -1.23	48.57 0.89 -0.95	53.69 0.57 -1.58	57.75 1.04 -1.97	65.78 0.75 -2.34	74.50 1.29 -1.53	81.69 1.52 0.00	80.55 0.16 0.01	73.18 -0.97 0.01	64.65 -1.27 0.84	49.00 -0.90 10.19	47.00 -0.97 5.87	45.77 -0.57 1.11
HOLTSVILLE_IC_3 23692	45.22 2.35 -0.08	41.28 2.08 0.00	37.92 1.60 0.00	34.40 1.29 0.00	33.97 1.74 0.00	35.50 1.91 0.00	36.01 1.68 0.00	35.07 1.61 0.00	35.08 1.95 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.06 0.88 -1.23	48.57 0.89 -0.95	53.69 0.57 -1.58	57.75 1.04 -1.97	65.78 0.75 -2.34	74.50 1.29 -1.53	81.69 1.52 0.00	80.55 0.16 0.01	73.18 -0.97 0.01	64.65 -1.27 0.84	49.00 -0.90 10.19	47.00 -0.97 5.87	45.77 -0.57 1.11
HOLTSVILLE_IC_4 23693	45.22 2.35 -0.08	41.28 2.08 0.00	37.92 1.60 0.00	34.40 1.29 0.00	33.97 1.74 0.00	35.50 1.91 0.00	36.01 1.68 0.00	35.07 1.61 0.00	35.08 1.95 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.06 0.88 -1.23	48.57 0.89 -0.95	53.69 0.57 -1.58	57.75 1.04 -1.97	65.78 0.75 -2.34	74.50 1.29 -1.53	81.69 1.52 0.00	80.55 0.16 0.01	73.18 -0.97 0.01	64.65 -1.27 0.84	49.00 -0.90 10.19	47.00 -0.97 5.87	45.77 -0.57 1.11
HOLTSVILLE_IC_5 23694	45.22 2.35 -0.08	41.28 2.08 0.00	37.92 1.60 0.00	34.40 1.29 0.00	33.97 1.74 0.00	35.50 1.91 0.00	36.01 1.68 0.00	35.07 1.61 0.00	35.08 1.95 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.06 0.88 -1.23	48.57 0.89 -0.95	53.69 0.57 -1.58	57.75 1.04 -1.97	65.78 0.75 -2.34	74.50 1.29 -1.53	81.69 1.52 0.00	80.55 0.16 0.01	73.18 -0.97 0.01	64.65 -1.27 0.84	49.00 -0.90 10.19	47.00 -0.97 5.87	45.77 -0.57 1.11
HOLTSVILLE_IC_6 23695	45.48 2.61 -0.08	41.52 2.31 0.00	38.11 1.78 0.00	34.53 1.42 0.00	34.13 1.90 0.00	35.67 2.08 0.00	36.15 1.82 0.00	35.20 1.74 0.00	35.25 2.12 0.00	40.27 2.65 -0.76	43.16 2.39 -0.94	46.37 1.19 -1.23	48.95 1.26 -0.95	54.10 0.98 -1.58	58.25 1.53 -1.97	66.34 1.32 -2.34	75.14 1.94 -1.53	82.42 2.24 0.00	81.27 0.89 0.01	73.78 -0.37 0.01	65.20 -0.73 0.83	49.50 -0.48 10.11	47.37 -0.64 5.83	46.07 -0.28 1.10
HOLTSVILLE_IC_7 23696	45.48 2.61 -0.08	41.52 2.31 0.00	38.11 1.78 0.00	34.53 1.42 0.00	34.13 1.90 0.00	35.67 2.08 0.00	36.15 1.82 0.00	35.20 1.74 0.00	35.25 2.12 0.00	40.27 2.65 -0.76	43.16 2.39 -0.94	46.37 1.19 -1.23	48.95 1.26 -0.95	54.10 0.98 -1.58	58.25 1.53 -1.97	66.34 1.32 -2.34	75.14 1.94 -1.53	82.42 2.24 0.00	81.27 0.89 0.01	73.78 -0.37 0.01	65.20 -0.73 0.83	49.50 -0.48 10.11	47.37 -0.64 5.83	46.07 -0.28 1.10
HOLTSVILLE_IC_8 23697	45.48 2.61 -0.08	41.52 2.31 0.00	38.11 1.78 0.00	34.53 1.42 0.00	34.13 1.90 0.00	35.67 2.08 0.00	36.15 1.82 0.00	35.20 1.74 0.00	35.25 2.12 0.00	40.27 2.65 -0.76	43.16 2.39 -0.94	46.37 1.19 -1.23	48.95 1.26 -0.95	54.10 0.98 -1.58	58.25 1.53 -1.97	66.34 1.32 -2.34	75.14 1.94 -1.53	82.42 2.24 0.00	81.27 0.89 0.01	73.78 -0.37 0.01	65.20 -0.73 0.83	49.50 -0.48 10.11	47.37 -0.64 5.83	46.07 -0.28 1.10
HOLTSVILLE_IC_9 23698	45.48 2.61 -0.08	41.52 2.31 0.00	38.11 1.78 0.00	34.53 1.42 0.00	34.13 1.90 0.00	35.67 2.08 0.00	36.15 1.82 0.00	35.20 1.74 0.00	35.25 2.12 0.00	40.27 2.65 -0.76	43.16 2.39 -0.94	46.37 1.19 -1.23	48.95 1.26 -0.95	54.10 0.98 -1.58	58.25 1.53 -1.97	66.34 1.32 -2.34	75.14 1.94 -1.53	82.42 2.24 0.00	81.27 0.89 0.01	73.78 -0.37 0.01	65.20 -0.73 0.83	49.50 -0.48 10.11	47.37 -0.64 5.83	46.07 -0.28 1.10
HOMER_HL_115KV_TB2 355744	42.92 0.13 0.00	40.42 1.22 0.00	36.44 0.11 0.00	32.81 -0.30 0.00	31.75 -0.48 0.00	32.78 -0.81 0.00	33.64 -0.69 0.00	33.00 -0.47 0.00	32.70 -0.43 0.00	37.15 0.29 0.00	40.31 0.48 0.00	45.88 1.93 0.00	48.89 2.15 0.00	54.22 2.68 0.00	57.75 3.01 0.00	65.38 2.70 0.00	73.83 2.15 0.00	82.50 2.32 0.00	82.56 2.17 0.00	76.91 2.74 0.00	69.50 2.74 0.00	62.37 2.28 0.00	57.07 3.23 0.00	49.97 2.52 0.00
HOWARD_WT_PWR 323690	44.12 1.33 0.00	41.05 1.84 0.00	37.38 1.05 0.00	33.70 0.60 0.00	32.62 0.39 0.00	33.82 0.24 0.00	34.71 0.38 0.00	33.73 0.27 0.00	33.10 -0.03 0.00	37.37 0.52 0.00	40.51 0.68 0.00	45.84 1.89 0.00	48.84 2.11 0.00	54.01 2.47 0.00	57.42 2.68 0.00	65.76 3.07 0.00	74.62 2.94 0.00	83.86 3.69 0.00	84.97 4.58 0.00	79.13 4.97 0.00	71.63 4.87 0.00	64.23 4.14 0.00	58.04 4.20 0.00	50.68 3.23 0.00
HQ_GEN_CEDARS 23644	44.07 1.28 0.00	40.30 1.10 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.17 0.93 0.00	34.59 1.01 0.00	35.43 1.10 0.00	34.47 1.00 0.00	33.89 0.76 0.00	37.66 0.81 0.00	40.75 0.92 0.00	44.96 1.01 0.00	47.63 0.89 0.00	52.52 0.98 0.00	55.73 0.99 0.00	63.82 1.13 0.00	73.25 1.58 0.00	96.69 2.00 -14.51	96.69 2.01 -14.29	96.69 1.85 -20.67	96.69 1.80 -28.13	96.69 1.56 -35.04	96.69 1.45 -41.39	60.89 1.33 -12.11
HQ_GEN_CEDARS_PROXY 323590	43.87 1.28 0.20	40.50 1.10 -0.20	37.34 1.02 0.00	34.07 0.96 0.00	33.17 0.94 0.00	34.59 1.01 0.00	34.59 1.10 0.84	35.31 1.00 -0.84	33.89 0.76 0.00	37.66 0.81 0.00	40.75 0.92 0.00	44.96 1.01 0.00	47.62 0.89 0.00	52.51 0.98 0.00	55.73 0.99 0.00	63.82 1.13 0.00	73.25 1.57 0.00	96.69 2.01 -14.51	96.69 2.01 -14.29	96.69 1.85 -20.67	96.69 1.80 -28.13	96.69 1.56 -35.04	96.69 1.45 -41.39	60.89 1.33 -12.11



HQ_GEN_IMPORT 323601	42.93 0.34 0.20	39.68 0.28 -0.20	36.58 0.26 0.00	33.34 0.23 0.00	32.46 0.23 0.00	33.85 0.27 0.00	33.80 0.31 0.84	34.57 0.27 -0.84	33.33 0.20 0.00	37.08 0.22 0.00	40.11 0.28 0.00	44.21 0.27 0.00	46.97 0.23 0.00	51.80 0.26 0.00	54.96 0.22 0.00	62.94 0.25 0.00	72.04 0.36 0.00	80.22 0.48 0.44	80.45 0.49 0.43	73.99 0.45 0.62	66.38 0.47 0.85	59.39 0.36 1.06	52.92 0.33 1.25	47.43 0.33 0.36
HQ_GEN_WHEEL 23651	42.93 0.34 0.20	39.68 0.28 -0.20	36.58 0.26 0.00	33.34 0.23 0.00	32.46 0.23 0.00	33.85 0.27 0.00	33.80 0.31 0.84	34.57 0.27 -0.84	33.33 0.20 0.00	37.08 0.22 0.00	40.11 0.28 0.00	44.21 0.27 0.00	46.97 0.23 0.00	51.80 0.26 0.00	54.96 0.22 0.00	62.94 0.25 0.00	72.04 0.36 0.00	80.22 0.48 0.44	80.45 0.49 0.43	73.99 0.45 0.62	66.38 0.47 0.85	59.39 0.36 1.06	52.92 0.33 1.25	47.43 0.33 0.36
HUDSON AVE_GT_3 23810	44.45 1.58 -0.08	40.38 1.18 0.00	37.49 1.16 0.00	34.23 1.13 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.80 1.48 0.00	34.97 1.51 0.00	34.95 1.82 0.00	39.49 1.88 -0.76	42.80 2.03 -0.94	47.03 1.85 -1.24	50.21 2.01 -1.47	54.94 1.80 -1.60	58.64 1.92 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.60 2.32 -0.10	81.76 1.37 0.00	74.91 0.74 0.00	66.96 0.20 0.00	60.63 0.54 0.00	54.49 0.65 0.00	48.31 0.85 0.00
HUDSON AVE_GT_4 23540	44.45 1.58 -0.08	40.38 1.18 0.00	37.49 1.16 0.00	34.23 1.13 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.80 1.48 0.00	34.97 1.51 0.00	34.95 1.82 0.00	39.49 1.88 -0.76	42.80 2.03 -0.94	47.03 1.85 -1.24	50.21 2.01 -1.47	54.94 1.80 -1.60	58.64 1.92 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.60 2.32 -0.10	81.76 1.37 0.00	74.91 0.74 0.00	66.96 0.20 0.00	60.63 0.54 0.00	54.49 0.65 0.00	48.31 0.85 0.00
HUDSON AVE_GT_5 23657	44.45 1.58 -0.08	40.38 1.18 0.00	37.49 1.16 0.00	34.23 1.13 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.80 1.48 0.00	34.97 1.51 0.00	34.95 1.82 0.00	39.49 1.88 -0.76	42.80 2.03 -0.94	47.03 1.85 -1.24	50.21 2.01 -1.47	54.94 1.80 -1.60	58.64 1.92 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.60 2.32 -0.10	81.76 1.37 0.00	74.91 0.74 0.00	66.96 0.20 0.00	60.63 0.54 0.00	54.49 0.65 0.00	48.31 0.85 0.00
HUDSON_AVE_10 24168	44.37 1.50 -0.08	40.26 1.06 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.33 1.10 0.00	34.73 1.14 0.00	35.73 1.41 0.00	34.94 1.47 0.00	34.92 1.79 0.00	39.45 1.84 -0.76	42.64 1.87 -0.94	46.86 1.67 -1.24	50.03 1.82 -1.47	54.73 1.60 -1.60	58.42 1.70 -1.98	66.60 1.57 -2.35	75.29 2.08 -1.53	82.33 2.00 -0.15	81.52 1.13 0.00	74.61 0.44 0.00	66.69 -0.07 0.00	60.39 0.30 0.00	54.33 0.48 0.00	48.17 0.71 0.00
HUDSON___115KV_TB 4 355613	43.39 0.64 0.04	39.56 0.35 0.00	36.73 0.40 0.00	33.64 0.53 0.00	32.81 0.58 0.00	34.12 0.54 0.00	34.84 0.51 0.00	33.80 0.33 0.00	33.36 0.23 0.00	36.68 0.22 0.40	39.38 0.04 0.49	42.90 -0.40 0.65	45.40 -0.56 0.77	50.13 -0.57 0.84	53.26 -0.44 1.04	60.95 -0.50 1.24	70.66 -0.22 0.81	80.07 0.08 0.18	80.54 0.16 0.02	74.31 0.15 0.00	66.76 0.00 0.00	60.33 0.24 0.00	53.84 0.00 0.00	47.45 0.00 0.00
HUNTER MOUNT___DRP 323613	43.66 0.90 0.03	39.67 0.47 0.00	36.83 0.51 0.00	33.73 0.63 0.00	32.91 0.68 0.00	34.22 0.64 0.00	34.91 0.58 0.00	33.83 0.37 0.00	33.33 0.20 0.00	36.97 0.37 0.25	39.68 0.16 0.31	43.27 -0.26 0.41	45.88 -0.37 0.48	50.70 -0.31 0.53	53.98 -0.11 0.65	61.85 -0.06 0.77	71.53 0.36 0.51	80.75 0.80 0.22	81.01 0.64 0.02	74.83 0.67 0.00	67.23 0.47 0.00	60.69 0.60 0.00	54.16 0.32 0.00	47.64 0.19 0.00
HUNTINGTON_RES_REC 323705	45.18 2.31 -0.08	41.20 2.00 0.00	37.85 1.53 0.00	34.33 1.23 0.00	33.91 1.68 0.00	35.40 1.81 0.00	35.94 1.61 0.00	35.04 1.57 0.00	35.08 1.95 0.00	40.04 2.43 -0.76	42.76 1.99 -0.94	45.97 0.79 -1.23	48.62 0.93 -0.95	53.79 0.67 -1.58	57.87 1.15 -1.97	65.90 0.88 -2.34	74.56 1.36 -1.53	81.70 1.52 0.00	80.55 0.16 0.01	73.18 -0.97 0.01	64.66 -1.27 0.83	49.05 -0.96 10.07	46.90 -1.13 5.81	45.64 -0.71 1.10
HUNTLEY___63 23557	43.18 0.39 0.00	40.97 1.76 0.00	36.80 0.47 0.00	32.94 -0.17 0.00	31.85 -0.39 0.00	32.95 -0.64 0.00	33.74 -0.58 0.00	32.73 -0.74 0.00	32.30 -0.83 0.00	36.93 0.07 0.00	40.19 0.36 0.00	45.92 1.98 0.00	48.79 2.06 0.00	54.22 2.68 0.00	57.70 2.96 0.00	65.76 3.07 0.00	74.26 2.58 0.00	83.06 2.89 0.00	83.05 2.65 0.00	77.06 2.89 0.00	69.76 3.00 0.00	62.85 2.76 0.00	57.13 3.28 0.00	50.21 2.75 0.00
HUNTLEY___64 23558	43.18 0.39 0.00	40.97 1.76 0.00	36.80 0.47 0.00	32.94 -0.17 0.00	31.85 -0.39 0.00	32.95 -0.64 0.00	33.74 -0.58 0.00	32.73 -0.74 0.00	32.30 -0.83 0.00	36.93 0.07 0.00	40.19 0.36 0.00	45.92 1.98 0.00	48.79 2.06 0.00	54.22 2.68 0.00	57.70 2.96 0.00	65.76 3.07 0.00	74.26 2.58 0.00	83.06 2.89 0.00	83.05 2.65 0.00	77.06 2.89 0.00	69.76 3.00 0.00	62.85 2.76 0.00	57.13 3.28 0.00	50.21 2.75 0.00
HUNTLEY___65 23559	43.18 0.39 0.00	40.97 1.76 0.00	36.80 0.47 0.00	32.94 -0.17 0.00	31.85 -0.39 0.00	32.95 -0.64 0.00	33.74 -0.58 0.00	32.73 -0.74 0.00	32.30 -0.83 0.00	36.93 0.07 0.00	40.19 0.36 0.00	45.92 1.98 0.00	48.79 2.06 0.00	54.22 2.68 0.00	57.70 2.96 0.00	65.76 3.07 0.00	74.26 2.58 0.00	83.06 2.89 0.00	83.05 2.65 0.00	77.06 2.89 0.00	69.76 3.00 0.00	62.85 2.76 0.00	57.13 3.28 0.00	50.21 2.75 0.00
HUNTLEY___66 23560	43.18 0.39 0.00	40.97 1.76 0.00	36.80 0.47 0.00	32.94 -0.17 0.00	31.85 -0.39 0.00	32.95 -0.64 0.00	33.74 -0.58 0.00	32.73 -0.74 0.00	32.30 -0.83 0.00	36.93 0.07 0.00	40.19 0.36 0.00	45.92 1.98 0.00	48.79 2.06 0.00	54.22 2.68 0.00	57.70 2.96 0.00	65.76 3.07 0.00	74.26 2.58 0.00	83.06 2.89 0.00	83.05 2.65 0.00	77.06 2.89 0.00	69.76 3.00 0.00	62.85 2.76 0.00	57.13 3.28 0.00	50.21 2.75 0.00
HUNTLEY___67 23561	42.83 0.04 0.00	40.62 1.41 0.00	36.51 0.18 0.00	32.74 -0.36 0.00	31.65 -0.58 0.00	32.75 -0.84 0.00	33.54 -0.79 0.00	32.63 -0.84 0.00	32.20 -0.93 0.00	36.74 -0.11 0.00	39.95 0.12 0.00	45.62 1.67 0.00	48.42 1.68 0.00	53.80 2.27 0.00	57.20 2.46 0.00	65.38 2.70 0.00	73.90 2.22 0.00	82.58 2.41 0.00	82.64 2.25 0.00	76.69 2.52 0.00	69.43 2.67 0.00	62.37 2.28 0.00	56.75 2.91 0.00	49.83 2.37 0.00
HUNTLEY___68 23562	42.83 0.04 0.00	40.62 1.41 0.00	36.51 0.18 0.00	32.74 -0.36 0.00	31.65 -0.58 0.00	32.75 -0.84 0.00	33.54 -0.79 0.00	32.63 -0.84 0.00	32.20 -0.93 0.00	36.74 -0.11 0.00	39.95 0.12 0.00	45.62 1.67 0.00	48.42 1.68 0.00	53.80 2.27 0.00	57.20 2.46 0.00	65.38 2.70 0.00	73.90 2.22 0.00	82.58 2.41 0.00	82.64 2.25 0.00	76.69 2.52 0.00	69.43 2.67 0.00	62.37 2.28 0.00	56.75 2.91 0.00	49.83 2.37 0.00



HYLAND___LFGE 323620	45.61 2.82 0.00	42.34 3.14 0.00	38.62 2.29 0.00	34.69 1.59 0.00	33.59 1.35 0.00	35.00 1.41 0.00	35.70 1.37 0.00	34.44 0.97 0.00	33.33 0.20 0.00	37.04 0.19 0.00	39.75 -0.08 0.00	44.83 0.88 0.00	47.81 1.08 0.00	51.07 -0.46 0.00	54.25 -0.49 0.00	62.50 -0.19 0.00	71.53 -0.14 0.00	81.78 1.60 0.00	84.41 4.02 0.00	79.80 5.63 0.00	73.03 6.27 0.00	65.38 5.29 0.00	58.69 4.85 0.00	51.11 3.65 0.00
INDECK___CORINTH 23802	43.88 1.16 0.07	40.30 1.10 0.00	37.31 0.98 0.00	34.07 0.96 0.00	33.17 0.94 0.00	34.63 1.04 0.00	35.32 1.00 0.00	34.33 0.87 0.00	33.96 0.83 0.00	36.90 0.70 0.65	39.35 0.32 0.80	42.84 -0.04 1.06	45.53 0.05 1.25	50.17 0.00 1.37	53.27 0.22 1.70	61.31 0.63 2.01	71.37 1.00 1.31	81.69 1.60 0.09	83.45 3.05 0.00	77.28 3.11 0.00	69.43 2.67 0.00	62.55 2.46 0.00	55.78 1.94 0.00	48.88 1.42 0.00
INDECK___ILION 23567	42.62 -0.17 0.00	39.01 -0.20 0.00	36.18 -0.15 0.00	32.97 -0.13 0.00	32.14 -0.10 0.00	33.48 -0.10 0.00	34.22 -0.10 0.00	33.36 -0.10 0.00	33.03 -0.10 0.00	36.71 -0.15 0.00	39.71 -0.12 0.00	43.77 -0.18 0.00	46.55 -0.19 0.00	51.38 -0.15 0.00	54.63 -0.11 0.00	62.56 -0.13 0.00	71.53 -0.14 0.00	80.01 -0.16 0.00	80.31 -0.08 0.00	74.09 -0.07 0.00	66.69 -0.07 0.00	60.03 -0.06 0.00	53.73 -0.11 0.00	47.27 -0.19 0.00
INDECK___OLEAN 23982	42.92 0.13 0.00	40.07 0.86 0.00	36.44 0.11 0.00	32.81 -0.30 0.00	31.72 -0.52 0.00	32.78 -0.81 0.00	33.64 -0.69 0.00	33.00 -0.47 0.00	32.63 -0.50 0.00	37.15 0.29 0.00	40.31 0.48 0.00	45.88 1.93 0.00	48.89 2.15 0.00	54.21 2.68 0.00	57.75 3.01 0.00	65.38 2.69 0.00	73.83 2.15 0.00	82.66 2.49 0.00	82.96 2.57 0.00	76.91 2.75 0.00	69.50 2.74 0.00	62.37 2.28 0.00	57.07 3.23 0.00	49.83 2.37 0.00
INDECK___OSWEGO 23783	41.98 -0.81 0.00	38.54 -0.67 0.00	35.60 -0.73 0.00	32.38 -0.73 0.00	31.49 -0.74 0.00	32.81 -0.77 0.00	33.54 -0.79 0.00	32.70 -0.77 0.00	32.30 -0.83 0.00	36.04 -0.81 0.00	38.99 -0.84 0.00	43.24 -0.70 0.00	46.04 -0.70 0.00	50.87 -0.67 0.00	53.54 -1.20 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.92 -1.69 -0.43	79.37 -1.44 -0.43	73.52 -1.26 -0.62	66.53 -1.07 -0.84	60.05 -1.08 -1.05	54.21 -0.86 -1.23	47.29 -0.52 -0.36
INDECK___YERKES 23781	43.22 0.43 0.00	40.73 1.53 0.00	36.83 0.51 0.00	32.97 -0.13 0.00	31.88 -0.35 0.00	32.98 -0.60 0.00	33.78 -0.55 0.00	32.76 -0.70 0.00	32.24 -0.89 0.00	36.96 0.11 0.00	40.23 0.40 0.00	45.97 2.02 0.00	48.84 2.11 0.00	54.27 2.73 0.00	57.75 3.01 0.00	65.76 3.07 0.00	74.25 2.58 0.00	83.22 3.05 0.00	83.52 3.13 0.00	77.05 2.89 0.00	69.69 2.93 0.00	62.91 2.82 0.00	57.24 3.39 0.00	50.30 2.85 0.00
INDIAN POINT_GT_1 24139	43.98 1.11 -0.08	39.95 0.74 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.39 1.06 0.00	34.57 1.10 0.00	34.52 1.39 0.00	39.00 1.40 -0.74	42.22 1.47 -0.92	46.44 1.27 -1.22	49.58 1.40 -1.44	54.39 1.29 -1.57	58.05 1.37 -1.94	66.31 1.32 -2.30	74.83 1.65 -1.50	81.88 1.60 -0.10	81.28 0.88 0.00	74.54 0.37 0.00	66.76 0.00 0.00	60.33 0.24 0.00	54.11 0.27 0.00	47.88 0.43 0.00
INDIAN POINT_GT_2 23659	43.98 1.11 -0.08	39.95 0.74 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.39 1.06 0.00	34.57 1.10 0.00	34.52 1.39 0.00	39.00 1.40 -0.74	42.22 1.47 -0.92	46.44 1.27 -1.22	49.58 1.40 -1.44	54.39 1.29 -1.57	58.05 1.37 -1.94	66.31 1.32 -2.30	74.83 1.65 -1.50	81.88 1.60 -0.10	81.28 0.88 0.00	74.54 0.37 0.00	66.76 0.00 0.00	60.33 0.24 0.00	54.11 0.27 0.00	47.88 0.43 0.00
INDIAN POINT_GT_3 24019	43.98 1.11 -0.08	39.95 0.74 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.39 1.06 0.00	34.57 1.10 0.00	34.52 1.39 0.00	39.00 1.40 -0.74	42.22 1.47 -0.92	46.44 1.27 -1.22	49.58 1.40 -1.44	54.39 1.29 -1.57	58.05 1.37 -1.94	66.31 1.32 -2.30	74.83 1.65 -1.50	81.88 1.60 -0.10	81.28 0.88 0.00	74.54 0.37 0.00	66.76 0.00 0.00	60.33 0.24 0.00	54.11 0.27 0.00	47.88 0.43 0.00
INDIAN POINT___2 23530	43.93 1.07 -0.07	39.99 0.78 0.00	37.12 0.80 0.00	33.90 0.79 0.00	33.10 0.87 0.00	34.46 0.87 0.00	35.36 1.03 0.00	34.57 1.10 0.00	34.52 1.39 0.00	38.94 1.36 -0.72	42.15 1.43 -0.89	46.35 1.23 -1.18	49.49 1.36 -1.39	54.29 1.23 -1.52	57.94 1.31 -1.88	66.17 1.25 -2.23	74.71 1.57 -1.46	81.71 1.44 -0.10	81.03 0.64 0.00	74.46 0.30 0.00	66.69 -0.07 0.00	60.27 0.18 0.00	54.06 0.22 0.00	47.88 0.43 0.00
INDIAN POINT___3 23531	43.89 1.03 -0.08	39.91 0.71 0.00	37.13 0.80 0.00	33.90 0.79 0.00	33.10 0.87 0.00	34.46 0.87 0.00	35.36 1.03 0.00	34.57 1.10 0.00	34.49 1.36 0.00	38.96 1.36 -0.74	42.14 1.39 -0.92	46.35 1.19 -1.22	49.53 1.36 -1.44	54.29 1.19 -1.57	57.95 1.26 -1.95	66.25 1.25 -2.31	74.69 1.51 -1.51	81.72 1.44 -0.10	81.12 0.72 0.00	74.39 0.22 0.00	66.69 -0.07 0.00	60.27 0.18 0.00	54.00 0.16 0.00	47.83 0.38 0.00
INGHAM_C_115KV_TB7 356103	42.19 -0.60 0.00	38.66 -0.55 0.00	35.82 -0.51 0.00	32.68 -0.43 0.00	31.85 -0.39 0.00	33.18 -0.40 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.70 -0.43 0.00	36.37 -0.48 0.00	39.35 -0.48 0.00	43.38 -0.57 0.00	46.13 -0.61 0.00	50.92 -0.62 0.00	54.14 -0.60 0.00	62.00 -0.69 0.00	70.89 -0.79 0.00	79.29 -0.88 0.00	79.59 -0.80 0.00	73.50 -0.67 0.00	66.23 -0.53 0.00	59.61 -0.48 0.00	53.36 -0.48 0.00	46.89 -0.57 0.00
IP CORINTH___1 23988	44.14 1.41 0.07	40.50 1.29 0.00	37.49 1.16 0.00	34.26 1.16 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.53 1.20 0.00	34.50 1.04 0.00	34.12 0.99 0.00	37.09 0.88 0.65	39.55 0.52 0.80	43.11 0.22 1.06	45.81 0.33 1.25	50.48 0.31 1.37	53.59 0.55 1.70	61.68 1.00 2.01	71.80 1.43 1.31	82.17 2.08 0.09	83.93 3.54 0.00	77.72 3.56 0.00	69.83 3.07 0.00	62.91 2.82 0.00	56.10 2.26 0.00	49.12 1.66 0.00
IP___TICONDEROGA 23804	46.40 3.68 0.07	42.62 3.41 0.00	39.27 2.94 0.00	35.89 2.78 0.00	34.88 2.64 0.00	36.47 2.89 0.00	37.14 2.81 0.00	35.94 2.48 0.00	35.45 2.32 0.00	38.55 2.36 0.66	41.20 2.19 0.82	44.93 2.07 1.09	47.74 2.29 1.29	52.66 2.53 1.40	56.07 3.07 1.74	64.70 4.07 2.06	75.49 5.16 1.34	86.82 6.73 0.09	89.32 8.92 0.00	83.06 8.90 0.00	74.57 7.81 0.00	67.06 6.97 0.00	59.76 5.92 0.00	52.01 4.56 0.00
ISLIP_RES_REC 323679	45.73 2.87 -0.08	41.72 2.51 0.00	38.29 1.96 0.00	34.69 1.59 0.00	34.30 2.06 0.00	35.84 2.25 0.00	36.32 1.99 0.00	35.37 1.91 0.00	35.41 2.28 0.00	40.49 2.88 -0.76	43.40 2.63 -0.94	46.67 1.50 -1.23	49.28 1.59 -0.95	54.51 1.39 -1.58	58.68 1.97 -1.97	66.85 1.82 -2.34	75.78 2.58 -1.53	83.15 2.97 0.00	81.99 1.61 0.01	74.37 0.22 0.01	65.67 -0.27 0.83	50.04 0.00 10.05	47.78 -0.27 5.80	46.31 -0.05 1.10



JAMAICA__27_KV_LOAD 355505	44.75 1.88 -0.08	40.54 1.33 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.52 1.29 0.00	35.00 1.41 0.00	36.04 1.72 0.00	35.24 1.77 0.00	35.25 2.12 0.00	39.82 2.21 -0.76	42.92 2.15 -0.94	47.16 1.98 -1.24	50.26 2.06 -1.47	55.04 1.91 -1.60	58.75 2.03 -1.98	66.98 1.94 -2.35	75.86 2.65 -1.53	83.06 2.73 -0.16	82.16 1.77 0.00	75.20 1.04 0.00	67.09 0.33 0.00	60.63 0.54 0.00	54.76 0.92 0.00	48.50 1.04 0.00
JANIS__SOLAR 323808	44.84 2.05 0.00	41.16 1.96 0.00	37.85 1.53 0.00	34.40 1.29 0.00	33.46 1.22 0.00	34.83 1.24 0.00	35.63 1.30 0.00	34.67 1.20 0.00	33.99 0.86 0.00	37.78 0.92 0.00	40.83 1.00 0.00	45.35 1.41 0.00	48.23 1.50 0.00	53.54 2.01 0.00	56.99 2.25 0.00	65.57 2.89 0.00	75.19 3.51 0.00	84.74 4.57 0.00	86.26 5.87 0.00	80.17 6.00 0.00	72.37 5.61 0.00	64.83 4.75 0.00	58.09 4.25 0.00	50.73 3.27 0.00
JARVIS____ 23743	42.75 -0.04 0.00	39.17 -0.04 0.00	36.33 0.00 0.00	33.11 0.00 0.00	32.23 0.00 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.46 0.00 0.00	33.13 0.00 0.00	36.82 -0.04 0.00	39.79 -0.04 0.00	43.86 -0.09 0.00	46.69 -0.05 0.00	51.49 -0.05 0.00	54.69 -0.05 0.00	62.62 -0.06 0.00	71.61 -0.07 0.00	80.09 -0.08 0.00	80.31 -0.08 0.00	74.09 -0.07 0.00	66.69 -0.07 0.00	60.03 -0.06 0.00	53.79 -0.05 0.00	47.36 -0.09 0.00
JENNISON____1 23625	44.93 2.14 0.00	41.32 2.12 0.00	38.03 1.71 0.00	34.56 1.46 0.00	33.65 1.42 0.00	35.00 1.41 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.39 1.26 0.00	38.36 1.51 0.00	41.58 1.75 0.00	46.19 2.24 0.00	49.17 2.43 0.00	54.58 3.04 0.00	58.08 3.34 0.00	66.64 3.95 0.00	76.19 4.52 0.00	85.38 5.21 0.00	86.26 5.87 0.00	79.95 5.78 0.00	72.03 5.27 0.00	64.65 4.57 0.00	57.93 4.09 0.00	50.68 3.23 0.00
JENNISON____2 23626	44.93 2.14 0.00	41.32 2.12 0.00	38.03 1.71 0.00	34.56 1.46 0.00	33.65 1.42 0.00	35.00 1.41 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.39 1.26 0.00	38.36 1.51 0.00	41.58 1.75 0.00	46.19 2.24 0.00	49.17 2.43 0.00	54.58 3.04 0.00	58.08 3.34 0.00	66.64 3.95 0.00	76.19 4.52 0.00	85.38 5.21 0.00	86.26 5.87 0.00	79.95 5.78 0.00	72.03 5.27 0.00	64.65 4.57 0.00	57.93 4.09 0.00	50.68 3.23 0.00
JERICOHO_RISE_WT_PWR 323719	43.56 0.77 0.00	39.79 0.59 0.00	36.87 0.55 0.00	33.67 0.56 0.00	32.78 0.55 0.00	34.22 0.64 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.59 0.46 0.00	37.37 0.52 0.00	40.43 0.60 0.00	44.56 0.61 0.00	47.07 0.33 0.00	51.90 0.36 0.00	55.07 0.33 0.00	63.07 0.38 0.00	72.32 0.64 0.00	82.59 1.04 -1.38	82.95 1.21 -1.35	77.16 1.04 -1.96	70.43 1.00 -2.67	64.07 0.66 -3.32	58.09 0.33 -3.92	48.40 0.33 -0.61
KATONAH__115KV_46KV_TB4 355592	44.24 1.37 -0.08	40.18 0.98 0.00	37.34 1.02 0.00	34.03 0.93 0.00	33.30 1.06 0.00	34.69 1.11 0.00	35.60 1.27 0.00	34.70 1.24 0.00	34.62 1.49 0.00	39.16 1.55 -0.76	42.48 1.71 -0.94	46.77 1.58 -1.24	49.98 1.78 -1.47	54.84 1.70 -1.60	58.53 1.81 -1.99	66.92 1.88 -2.35	75.44 2.22 -1.54	82.44 2.16 -0.10	82.00 1.61 0.00	75.13 0.96 0.00	67.36 0.60 0.00	60.87 0.78 0.00	54.54 0.70 0.00	48.17 0.71 0.00
KCE_NY_1 323755	44.18 1.46 0.07	40.58 1.37 0.00	37.56 1.24 0.00	34.33 1.23 0.00	33.43 1.19 0.00	34.83 1.24 0.00	35.56 1.23 0.00	34.57 1.10 0.00	34.19 1.06 0.00	37.12 0.96 0.69	39.82 0.84 0.85	43.48 0.66 1.12	46.20 0.79 1.33	50.96 0.88 1.45	54.04 1.09 1.80	62.06 1.50 2.13	72.22 1.94 1.39	82.48 2.40 0.09	83.45 3.05 0.00	77.21 3.04 0.00	69.36 2.60 0.00	62.49 2.41 0.00	55.83 1.99 0.00	49.11 1.66 0.00
KCE_NY_6_ESR 323823	43.39 0.60 0.00	40.66 1.45 0.00	36.94 0.62 0.00	33.14 0.03 0.00	32.04 -0.19 0.00	33.12 -0.47 0.00	33.95 -0.38 0.00	33.03 -0.44 0.00	32.53 -0.60 0.00	37.22 0.37 0.00	40.47 0.64 0.00	46.23 2.28 0.00	49.12 2.38 0.00	54.58 3.04 0.00	58.08 3.34 0.00	66.38 3.70 0.00	75.05 3.37 0.00	84.10 3.93 0.00	84.49 4.10 0.00	77.95 3.78 0.00	70.56 3.80 0.00	63.33 3.24 0.00	57.55 3.71 0.00	50.35 2.90 0.00
KEDC_PORT_JEFF_GT2 24210	45.39 2.52 -0.08	41.40 2.19 0.00	38.03 1.71 0.00	34.46 1.36 0.00	34.07 1.84 0.00	35.60 2.01 0.00	36.08 1.75 0.00	35.14 1.67 0.00	35.18 2.05 0.00	40.19 2.58 -0.76	43.04 2.27 -0.94	46.23 1.05 -1.23	48.71 1.03 -0.95	53.84 0.72 -1.58	57.98 1.26 -1.97	65.65 0.63 -2.34	74.35 1.14 -1.53	81.54 1.36 0.00	80.39 0.01 0.01	72.96 -1.19 0.01	64.79 -1.14 0.83	49.23 -0.72 10.13	47.19 -0.81 5.84	45.92 -0.43 1.11
KEDC_PORT_JEFF_GT3 24211	45.39 2.52 -0.08	41.40 2.19 0.00	38.03 1.71 0.00	34.46 1.36 0.00	34.07 1.84 0.00	35.60 2.01 0.00	36.08 1.75 0.00	35.14 1.67 0.00	35.18 2.05 0.00	40.19 2.58 -0.76	43.04 2.27 -0.94	46.23 1.05 -1.23	48.71 1.03 -0.95	53.84 0.72 -1.58	57.98 1.26 -1.97	65.65 0.63 -2.34	74.35 1.14 -1.53	81.54 1.36 0.00	80.39 0.00 0.01	72.96 -1.19 0.01	64.79 -1.14 0.83	49.23 -0.72 10.13	47.19 -0.81 5.84	45.92 -0.43 1.11
KEDC_GLWD_GT4 24219	44.84 1.97 -0.08	40.85 1.65 0.00	37.78 1.45 0.00	34.36 1.26 0.00	33.72 1.48 0.00	35.16 1.58 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.05 1.92 0.00	39.79 2.17 -0.76	42.96 2.19 -0.94	46.99 1.80 -1.24	50.13 2.01 -1.38	54.68 1.54 -1.60	58.48 1.75 -1.98	66.79 1.75 -2.35	75.36 2.15 -1.53	82.36 2.08 -0.10	81.52 1.12 0.00	74.61 0.45 0.00	66.55 -0.07 0.14	56.92 0.18 3.35	52.33 0.43 1.94	47.75 0.66 0.37
KEDC_GLWD_GT5 24220	44.84 1.97 -0.08	40.85 1.65 0.00	37.78 1.45 0.00	34.36 1.26 0.00	33.72 1.48 0.00	35.16 1.58 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.05 1.92 0.00	39.79 2.17 -0.76	42.96 2.19 -0.94	46.99 1.80 -1.24	50.13 2.01 -1.38	54.68 1.54 -1.60	58.48 1.75 -1.98	66.79 1.75 -2.35	75.36 2.15 -1.53	82.36 2.08 -0.10	81.52 1.12 0.00	74.61 0.45 0.00	66.55 -0.07 0.14	56.92 0.18 3.35	52.33 0.43 1.94	47.75 0.66 0.37
KENSICO____ 23655	44.11 1.24 -0.08	40.07 0.86 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.23 1.00 0.00	34.59 1.01 0.00	35.53 1.20 0.00	34.70 1.24 0.00	34.62 1.49 0.00	39.12 1.51 -0.76	42.36 1.59 -0.93	46.59 1.41 -1.24	49.74 1.54 -1.46	54.52 1.39 -1.59	58.25 1.53 -1.98	66.47 1.44 -2.34	75.00 1.79 -1.53	82.04 1.76 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.89 0.13 0.00	60.45 0.36 0.00	54.22 0.38 0.00	47.98 0.52 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	44.42 1.58 -0.05	40.38 1.18 0.00	37.53 1.20 0.00	34.23 1.13 0.00	33.42 1.19 0.00	34.79 1.21 0.00	35.67 1.34 0.00	34.80 1.34 0.00	34.62 1.49 0.00	38.90 1.58 -0.46	42.03 1.63 -0.57	46.32 1.63 -0.75	49.45 1.82 -0.89	54.36 1.86 -0.97	58.02 2.08 -1.20	66.43 2.32 -1.42	75.54 2.94 -0.93	83.50 3.29 -0.04	83.28 2.89 0.00	76.46 2.30 0.00	68.56 1.80 0.00	61.77 1.68 0.00	55.24 1.40 0.00	48.74 1.28 0.00



KIAC_JFK_GT1 23816	44.45 1.58 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.33 1.10 0.00	34.79 1.21 0.00	35.84 1.51 0.00	35.04 1.57 0.00	35.05 1.92 0.00	39.60 1.99 -0.76	42.64 1.87 -0.94	46.86 1.67 -1.24	49.79 1.59 -1.47	54.47 1.34 -1.60	58.15 1.42 -1.98	66.35 1.32 -2.35	75.07 1.86 -1.53	82.18 1.84 -0.16	81.28 0.88 0.00	74.39 0.22 0.00	66.36 -0.40 0.00	60.03 -0.06 0.00	54.22 0.38 0.00	47.98 0.52 0.00
KIAC_JFK_GT2 23817	44.45 1.58 -0.08	40.30 1.10 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.33 1.10 0.00	34.79 1.21 0.00	35.84 1.51 0.00	35.04 1.57 0.00	35.05 1.92 0.00	39.60 1.99 -0.76	42.64 1.87 -0.94	46.86 1.67 -1.24	49.79 1.59 -1.47	54.47 1.34 -1.60	58.15 1.42 -1.98	66.35 1.32 -2.35	75.07 1.86 -1.53	82.18 1.84 -0.16	81.28 0.88 0.00	74.39 0.22 0.00	66.36 -0.40 0.00	60.03 -0.06 0.00	54.22 0.38 0.00	47.98 0.52 0.00
KIAC_JFK____ 323774	44.45 1.58 -0.08	40.34 1.14 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.33 1.10 0.00	34.79 1.21 0.00	35.84 1.51 0.00	35.04 1.57 0.00	35.08 1.95 0.00	39.60 1.99 -0.76	42.64 1.87 -0.94	46.90 1.71 -1.24	49.79 1.59 -1.47	54.47 1.34 -1.60	58.14 1.42 -1.98	66.35 1.32 -2.35	75.07 1.86 -1.53	82.10 1.76 -0.16	81.12 0.72 0.00	74.39 0.22 0.00	66.36 -0.40 0.00	60.03 -0.06 0.00	54.22 0.38 0.00	48.07 0.62 0.00
KINTIGH__24_KV_GSU 356498	42.54 -0.26 0.00	39.87 0.67 0.00	36.25 -0.07 0.00	32.57 -0.53 0.00	31.52 -0.71 0.00	32.65 -0.94 0.00	33.43 -0.89 0.00	32.53 -0.94 0.00	32.07 -1.06 0.00	36.52 -0.33 0.00	39.71 -0.12 0.00	45.13 1.19 0.00	47.95 1.21 0.00	53.23 1.70 0.00	56.60 1.86 0.00	64.69 2.01 0.00	73.25 1.57 0.00	82.02 1.85 0.00	82.48 2.09 0.00	75.94 1.78 0.00	68.76 2.00 0.00	61.77 1.68 0.00	56.00 2.16 0.00	49.21 1.76 0.00
KINTIGH____ 23543	42.53 -0.26 0.00	40.18 0.98 0.00	36.25 -0.07 0.00	32.58 -0.53 0.00	31.52 -0.71 0.00	32.64 -0.94 0.00	33.43 -0.89 0.00	32.53 -0.94 0.00	32.14 -0.99 0.00	36.52 -0.33 0.00	39.71 -0.12 0.00	45.13 1.19 0.00	47.95 1.22 0.00	53.24 1.70 0.00	56.60 1.86 0.00	64.69 2.01 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.00 1.61 0.00	75.94 1.78 0.00	68.76 2.00 0.00	61.77 1.68 0.00	56.05 2.21 0.00	49.26 1.80 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	44.12 1.33 0.00	40.30 1.10 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.17 0.93 0.00	34.59 1.01 0.00	35.46 1.13 0.00	34.53 1.07 0.00	33.96 0.83 0.00	37.78 0.92 0.00	40.91 1.08 0.00	45.13 1.19 0.00	47.49 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.11 1.43 0.00	82.99 2.16 -0.65	83.45 2.41 -0.64	77.17 2.08 -0.93	69.96 1.94 -1.27	63.17 1.50 -1.58	56.68 0.97 -1.86	48.36 0.90 0.00
LACHUTE____HYDRO 323717	46.40 3.68 0.07	42.66 3.45 0.00	39.27 2.94 0.00	35.89 2.78 0.00	34.88 2.64 0.00	36.47 2.89 0.00	37.14 2.82 0.00	35.94 2.48 0.00	35.45 2.32 0.00	38.55 2.36 0.66	41.20 2.19 0.82	44.93 2.07 1.09	47.74 2.29 1.29	52.66 2.52 1.40	56.07 3.06 1.74	64.70 4.07 2.06	75.50 5.16 1.34	86.82 6.74 0.09	89.32 8.92 0.00	83.06 8.90 0.00	74.57 7.81 0.00	67.05 6.97 0.00	59.76 5.92 0.00	52.06 4.60 0.00
LAWRNCALV_115KV_TB1 80681	44.03 1.24 0.00	40.26 1.06 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.63 1.04 0.00	35.43 1.10 0.00	34.47 1.00 0.00	33.83 0.70 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.83 0.88 0.00	47.49 0.75 0.00	52.41 0.88 0.00	55.62 0.88 0.00	63.75 1.07 0.00	73.18 1.51 0.00	93.63 2.08 -11.38	94.01 2.41 -11.20	92.67 2.30 -16.21	91.08 2.27 -22.05	89.48 1.92 -27.47	87.96 1.67 -32.45	58.31 1.42 -9.43
LEDERLE____ 23769	44.19 1.33 -0.07	40.15 0.94 0.00	37.34 1.02 0.00	34.10 0.99 0.00	33.33 1.10 0.00	34.66 1.07 0.00	35.56 1.24 0.00	34.77 1.31 0.00	34.72 1.59 0.00	39.18 1.62 -0.70	42.41 1.71 -0.87	46.64 1.54 -1.15	49.88 1.78 -1.36	54.72 1.70 -1.48	58.44 1.86 -1.84	66.75 1.88 -2.18	75.40 2.29 -1.43	82.51 2.24 -0.09	82.00 1.61 0.00	75.20 1.04 0.00	67.36 0.60 0.00	60.87 0.78 0.00	54.49 0.65 0.00	48.17 0.71 0.00
LIGHTHSE_115KV_TB6 355974	43.18 0.39 0.00	39.64 0.43 0.00	36.54 0.22 0.00	33.24 0.13 0.00	32.36 0.13 0.00	33.69 0.10 0.00	34.43 0.10 0.00	33.50 0.03 0.00	33.00 -0.13 0.00	36.78 -0.07 0.00	39.79 -0.04 0.00	44.08 0.13 0.00	46.92 0.19 0.00	51.95 0.41 0.00	55.07 0.33 0.00	63.25 0.56 0.00	72.25 0.57 0.00	81.99 0.80 -1.01	82.84 1.45 -1.00	77.39 1.78 -1.44	70.46 1.74 -1.97	63.92 1.38 -2.45	58.03 1.29 -2.89	49.24 0.95 -0.84
LINDEN COGEN____ 23786	44.15 1.28 -0.08	40.11 0.90 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.17 0.94 0.00	34.56 0.97 0.00	35.53 1.20 0.00	34.74 1.27 0.00	34.75 1.62 0.00	39.23 1.62 -0.76	42.48 1.71 -0.94	46.72 1.54 -1.24	49.79 1.59 -1.47	50.57 1.34 2.30	50.70 1.37 5.41	60.62 1.25 3.32	69.25 1.65 4.08	71.56 1.44 10.06	65.49 0.49 15.38	58.87 0.00 15.30	51.65 -0.40 14.71	49.70 -0.06 10.33	48.91 0.16 5.09	47.98 0.52 0.00
LINDHRST_69_KV_BK1 356055	45.52 2.65 -0.08	41.64 2.43 0.00	38.32 2.00 0.00	34.76 1.66 0.00	34.30 2.06 0.00	35.80 2.22 0.00	36.35 2.03 0.00	35.40 1.94 0.00	35.42 2.29 0.00	40.45 2.84 -0.76	43.36 2.59 -0.94	46.72 1.54 -1.23	49.50 1.73 -1.03	54.67 1.55 -1.58	58.69 1.97 -1.98	66.91 1.88 -2.34	75.72 2.51 -1.53	83.00 2.81 -0.02	82.07 1.69 0.01	74.52 0.37 0.01	65.92 -0.13 0.70	51.46 0.12 8.75	48.69 -0.11 5.05	46.64 0.14 0.96
LIPA_MISC_IPP 23656	45.05 2.18 -0.08	41.16 1.96 0.00	37.85 1.53 0.00	34.30 1.19 0.00	33.91 1.68 0.00	35.43 1.85 0.00	35.91 1.58 0.00	34.97 1.51 0.00	34.99 1.86 0.00	40.01 2.40 -0.76	42.88 2.11 -0.94	46.01 0.83 -1.23	48.62 0.93 -0.95	53.79 0.67 -1.58	57.92 1.20 -1.97	66.03 1.00 -2.34	74.85 1.65 -1.53	82.18 2.00 0.00	81.19 0.80 0.01	73.48 -0.67 0.01	64.85 -1.07 0.84	49.13 -0.78 10.17	47.01 -0.97 5.87	45.68 -0.66 1.11
LISF____SOLAR 323691	45.35 2.48 -0.08	41.32 2.12 0.00	37.92 1.60 0.00	34.36 1.26 0.00	33.97 1.74 0.00	35.50 1.91 0.00	35.98 1.65 0.00	35.04 1.57 0.00	35.05 1.92 0.00	40.04 2.43 -0.76	42.92 2.15 -0.94	46.15 0.97 -1.23	48.71 1.03 -0.95	53.89 0.77 -1.58	58.03 1.31 -1.97	66.16 1.13 -2.34	75.06 1.86 -1.53	82.42 2.24 0.00	81.27 0.89 0.01	73.78 -0.37 0.01	65.05 -0.87 0.84	49.33 -0.60 10.16	47.18 -0.81 5.86	45.87 -0.47 1.11
LITTLE FALLS____HYD 24013	42.19 -0.60 0.00	38.66 -0.55 0.00	35.82 -0.51 0.00	32.68 -0.43 0.00	31.85 -0.39 0.00	33.18 -0.40 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.70 -0.43 0.00	36.37 -0.48 0.00	39.35 -0.48 0.00	43.38 -0.57 0.00	46.13 -0.61 0.00	50.92 -0.62 0.00	54.14 -0.60 0.00	62.00 -0.69 0.00	70.89 -0.79 0.00	79.29 -0.88 0.00	79.59 -0.80 0.00	73.50 -0.67 0.00	66.23 -0.53 0.00	59.61 -0.48 0.00	53.36 -0.48 0.00	46.89 -0.57 0.00



LITTLRIV_115KV_TB1 356100	44.67 1.88 0.00	40.77 1.57 0.00	37.78 1.45 0.00	34.46 1.36 0.00	33.62 1.39 0.00	35.06 1.48 0.00	35.87 1.54 0.00	34.80 1.34 0.00	34.02 0.89 0.00	37.74 0.88 0.00	40.83 1.00 0.00	44.96 1.01 0.00	47.58 0.84 0.00	52.62 1.08 0.00	55.84 1.09 0.00	64.00 1.32 0.00	73.68 2.01 0.00	93.84 2.81 -10.86	94.54 3.46 -10.69	93.27 3.63 -15.47	91.35 3.54 -21.05	89.38 3.06 -26.23	87.47 2.64 -30.99	58.68 2.23 -9.00
LI_NEWBRDGE___DRP 323616	44.71 1.84 -0.08	40.85 1.65 0.00	37.67 1.34 0.00	34.20 1.09 0.00	33.71 1.48 0.00	35.20 1.61 0.00	35.77 1.44 0.00	34.87 1.41 0.00	34.89 1.76 0.00	39.79 2.17 -0.76	42.60 1.83 -0.94	46.10 0.92 -1.23	48.76 1.12 -0.90	53.94 0.82 -1.58	57.81 1.09 -1.97	65.97 0.94 -2.34	74.57 1.36 -1.53	81.52 1.36 0.02	80.71 0.32 0.01	73.48 -0.67 0.02	64.78 -1.07 0.91	48.41 -0.72 10.96	46.77 -0.75 6.32	45.83 -0.43 1.20
LOCKPORT_115KV_TB60_63_64 80432	43.09 0.30 0.00	40.93 1.72 0.00	36.80 0.47 0.00	32.94 -0.17 0.00	31.85 -0.39 0.00	32.95 -0.64 0.00	33.71 -0.62 0.00	32.43 -1.04 0.00	31.97 -1.16 0.00	36.52 -0.33 0.00	39.71 -0.12 0.00	45.31 1.36 0.00	48.14 1.40 0.00	53.50 1.96 0.00	56.88 2.13 0.00	65.01 2.32 0.00	73.47 1.79 0.00	82.18 2.00 0.00	82.24 1.85 0.00	76.32 2.15 0.00	69.16 2.40 0.00	62.13 2.04 0.00	56.53 2.69 0.00	49.97 2.52 0.00
LOCKPORT___CC1 323769	42.96 0.17 0.00	40.07 0.86 0.00	36.65 0.33 0.00	32.84 -0.27 0.00	31.75 -0.48 0.00	32.85 -0.74 0.00	33.60 -0.72 0.00	32.39 -1.07 0.00	31.87 -1.26 0.00	36.49 -0.37 0.00	39.67 -0.16 0.00	45.22 1.28 0.00	48.00 1.26 0.00	53.39 1.85 0.00	56.77 2.03 0.00	64.82 2.13 0.00	73.25 1.57 0.00	82.02 1.85 0.00	82.48 2.09 0.00	76.09 1.93 0.00	68.96 2.20 0.00	61.95 1.86 0.00	56.37 2.53 0.00	49.45 1.99 0.00
LOCKPORT___CC2 323770	42.96 0.17 0.00	40.07 0.86 0.00	36.65 0.33 0.00	32.84 -0.27 0.00	31.75 -0.48 0.00	32.85 -0.74 0.00	33.60 -0.72 0.00	32.39 -1.07 0.00	31.87 -1.26 0.00	36.49 -0.37 0.00	39.67 -0.16 0.00	45.22 1.28 0.00	48.00 1.26 0.00	53.39 1.85 0.00	56.77 2.03 0.00	64.82 2.13 0.00	73.25 1.57 0.00	82.02 1.85 0.00	82.48 2.09 0.00	76.09 1.93 0.00	68.96 2.20 0.00	61.95 1.86 0.00	56.37 2.53 0.00	49.45 1.99 0.00
LOCKPORT___CC3 323771	42.96 0.17 0.00	40.07 0.86 0.00	36.65 0.33 0.00	32.84 -0.27 0.00	31.75 -0.48 0.00	32.85 -0.74 0.00	33.60 -0.72 0.00	32.39 -1.07 0.00	31.87 -1.26 0.00	36.49 -0.37 0.00	39.67 -0.16 0.00	45.22 1.28 0.00	48.00 1.26 0.00	53.39 1.85 0.00	56.77 2.03 0.00	64.82 2.13 0.00	73.25 1.57 0.00	82.02 1.85 0.00	82.48 2.09 0.00	76.09 1.93 0.00	68.96 2.20 0.00	61.95 1.86 0.00	56.37 2.53 0.00	49.45 1.99 0.00
LOCUSVLY_69_KV_BK2 55797	45.01 2.14 -0.08	41.05 1.84 0.00	37.92 1.60 0.00	34.50 1.39 0.00	33.91 1.68 0.00	35.37 1.78 0.00	36.04 1.72 0.00	35.17 1.71 0.00	35.18 2.05 0.00	40.04 2.43 -0.76	43.08 2.31 -0.94	46.81 1.63 -1.24	49.92 1.92 -1.27	54.78 1.65 -1.59	58.75 2.03 -1.98	67.04 2.01 -2.35	75.79 2.58 -1.53	82.89 2.65 -0.07	82.00 1.61 0.00	74.76 0.59 0.00	66.44 0.00 0.32	55.19 0.24 5.13	51.04 0.16 2.97	47.22 0.33 0.56
LONG_LAKE_PHOENIX 24014	42.23 -0.56 0.00	38.81 -0.39 0.00	35.78 -0.54 0.00	32.54 -0.56 0.00	31.65 -0.58 0.00	32.95 -0.64 0.00	33.71 -0.62 0.00	32.86 -0.60 0.00	32.50 -0.63 0.00	36.26 -0.59 0.00	39.27 -0.56 0.00	43.55 -0.40 0.00	46.41 -0.33 0.00	51.28 -0.26 0.00	54.36 -0.38 0.00	62.37 -0.31 0.00	71.25 -0.43 0.00	79.69 -0.48 0.00	80.07 -0.32 0.00	74.02 -0.15 0.00	66.69 -0.07 0.00	59.91 -0.18 0.00	53.73 -0.11 0.00	47.27 -0.19 0.00
LOVETT___3 23632	43.85 0.98 -0.07	39.87 0.67 0.00	37.09 0.76 0.00	33.87 0.76 0.00	33.10 0.87 0.00	34.46 0.87 0.00	35.32 1.00 0.00	34.53 1.07 0.00	34.49 1.36 0.00	38.90 1.33 -0.72	42.11 1.39 -0.88	46.30 1.19 -1.17	49.43 1.31 -1.38	54.23 1.19 -1.51	57.87 1.26 -1.87	66.09 1.19 -2.22	74.63 1.51 -1.45	81.63 1.36 -0.10	81.12 0.72 0.00	74.39 0.22 0.00	66.63 -0.13 0.00	60.21 0.12 0.00	54.00 0.16 0.00	47.79 0.33 0.00
LOVETT___4 23642	43.85 0.98 -0.07	39.87 0.67 0.00	37.09 0.76 0.00	33.87 0.76 0.00	33.10 0.87 0.00	34.46 0.87 0.00	35.32 1.00 0.00	34.53 1.07 0.00	34.49 1.36 0.00	38.90 1.33 -0.72	42.11 1.39 -0.88	46.30 1.19 -1.17	49.43 1.31 -1.38	54.23 1.19 -1.51	57.87 1.26 -1.87	66.09 1.19 -2.22	74.63 1.51 -1.45	81.63 1.36 -0.10	81.12 0.72 0.00	74.39 0.22 0.00	66.63 -0.13 0.00	60.21 0.12 0.00	54.00 0.16 0.00	47.79 0.33 0.00
LOVETT___5 23593	43.85 0.98 -0.07	39.87 0.67 0.00	37.09 0.76 0.00	33.87 0.76 0.00	33.10 0.87 0.00	34.46 0.87 0.00	35.32 1.00 0.00	34.53 1.07 0.00	34.49 1.36 0.00	38.90 1.33 -0.72	42.11 1.39 -0.88	46.30 1.19 -1.17	49.43 1.31 -1.38	54.23 1.19 -1.51	57.87 1.26 -1.87	66.09 1.19 -2.22	74.63 1.51 -1.45	81.63 1.36 -0.10	81.12 0.72 0.00	74.39 0.22 0.00	66.63 -0.13 0.00	60.21 0.12 0.00	54.00 0.16 0.00	47.79 0.33 0.00
LOWER RAQUET___HYD 24057	44.03 1.24 0.00	40.22 1.02 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.63 1.04 0.00	35.46 1.13 0.00	34.47 1.00 0.00	33.79 0.66 0.00	37.55 0.70 0.00	40.63 0.80 0.00	44.83 0.88 0.00	47.44 0.70 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.75 1.06 0.00	73.19 1.51 0.00	92.72 2.17 -10.38	93.11 2.49 -10.22	91.39 2.44 -14.78	89.28 2.40 -20.12	87.20 2.04 -25.07	85.22 1.77 -29.61	57.51 1.47 -8.58
LOWER___HUDSON 24059	43.38 0.68 0.09	39.83 0.63 0.00	36.98 0.65 0.00	33.80 0.70 0.00	32.97 0.74 0.00	34.32 0.74 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.83 0.70 0.00	36.55 0.59 0.89	39.17 0.44 1.10	42.72 0.22 1.45	45.30 0.28 1.72	49.98 0.31 1.87	52.81 0.39 2.32	60.44 0.50 2.75	70.60 0.72 1.80	80.85 0.80 0.12	81.36 0.97 0.00	75.13 0.96 0.00	67.56 0.80 0.00	60.93 0.84 0.00	54.49 0.65 0.00	48.03 0.57 0.00
LOWVILLE_115KV_TB2 356335	44.76 1.97 0.00	40.97 1.76 0.00	37.82 1.49 0.00	34.43 1.32 0.00	33.55 1.32 0.00	34.96 1.38 0.00	35.70 1.37 0.00	34.67 1.20 0.00	33.99 0.86 0.00	37.78 0.92 0.00	40.87 1.04 0.00	45.13 1.19 0.00	47.91 1.17 0.00	53.13 1.60 0.00	56.49 1.75 0.00	64.88 2.19 0.00	74.47 2.80 0.00	86.71 3.61 -2.93	88.02 4.74 -2.88	83.30 4.97 -4.17	77.11 4.67 -5.67	70.58 3.42 -7.07	64.99 2.80 -8.35	51.82 1.95 -2.42
LUTHERFT_115KV_GLOB_FND_222 355753	44.13 1.41 0.07	40.50 1.29 0.00	37.56 1.24 0.00	34.30 1.19 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.56 1.24 0.00	34.57 1.10 0.00	34.19 1.06 0.00	37.13 0.96 0.69	39.82 0.84 0.85	43.48 0.66 1.12	46.16 0.75 1.33	50.91 0.82 1.45	53.98 1.04 1.80	62.00 1.44 2.13	72.15 1.86 1.39	82.40 2.32 0.09	83.37 2.97 0.00	77.13 2.97 0.00	69.30 2.54 0.00	62.43 2.34 0.00	55.78 1.94 0.00	49.02 1.57 0.00



LUTHERNY_35_KV_BK2 355980	44.18 1.45 0.07	40.50 1.29 0.00	37.56 1.24 0.00	34.33 1.22 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.56 1.24 0.00	34.57 1.10 0.00	34.19 1.06 0.00	37.13 0.96 0.69	39.82 0.84 0.85	43.48 0.66 1.12	46.20 0.79 1.33	50.97 0.88 1.45	54.04 1.09 1.80	62.06 1.50 2.13	72.22 1.94 1.39	82.49 2.41 0.09	83.45 3.05 0.00	77.21 3.04 0.00	69.36 2.60 0.00	62.49 2.40 0.00	55.83 1.99 0.00	49.07 1.61 0.00
LWR___OSWEGATCHIE_HYD 23850	44.42 1.63 0.00	40.62 1.41 0.00	37.53 1.20 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.56 1.24 0.00	34.53 1.07 0.00	33.86 0.73 0.00	37.63 0.77 0.00	40.71 0.88 0.00	44.96 1.01 0.00	47.63 0.89 0.00	52.77 1.24 0.00	56.00 1.26 0.00	64.32 1.63 0.00	73.83 2.15 0.00	90.16 2.97 -7.03	91.09 3.78 -6.92	88.10 3.93 -10.01	84.11 3.74 -13.62	80.00 2.94 -16.96	76.36 2.48 -20.04	55.11 1.85 -5.81
LYONS_FALL_HYD 23570	44.37 1.58 0.00	40.61 1.41 0.00	37.56 1.24 0.00	34.20 1.09 0.00	33.33 1.10 0.00	34.73 1.14 0.00	35.46 1.13 0.00	34.50 1.04 0.00	33.89 0.76 0.00	37.70 0.85 0.00	40.79 0.95 0.00	45.05 1.10 0.00	47.86 1.12 0.00	53.03 1.50 0.00	56.38 1.64 0.00	64.75 2.07 0.00	74.25 2.58 0.00	85.31 3.21 -1.93	86.31 4.02 -1.90	81.07 4.15 -2.75	74.37 3.87 -3.74	67.69 2.94 -4.67	61.78 2.43 -5.51	50.76 1.71 -1.60
MADISON___COUNTY_LFGE 323628	44.03 1.24 0.00	40.38 1.18 0.00	37.27 0.94 0.00	33.90 0.79 0.00	33.01 0.77 0.00	34.39 0.81 0.00	35.12 0.79 0.00	34.20 0.74 0.00	33.69 0.56 0.00	37.52 0.66 0.00	40.67 0.84 0.00	45.00 1.05 0.00	47.86 1.12 0.00	53.03 1.49 0.00	56.38 1.64 0.00	64.76 2.07 0.00	74.11 2.44 0.00	83.55 2.81 -0.58	84.34 3.38 -0.57	78.40 3.41 -0.82	71.08 3.20 -1.12	64.12 2.64 -1.39	57.75 2.26 -1.64	49.64 1.71 -0.48
MALONE___115KV_TB1 356076	44.25 1.45 0.00	40.42 1.22 0.00	37.42 1.09 0.00	34.17 1.06 0.00	33.30 1.06 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.67 1.20 0.00	34.09 0.96 0.00	37.92 1.07 0.00	41.07 1.23 0.00	45.27 1.32 0.00	47.86 1.12 0.00	52.83 1.29 0.00	56.00 1.26 0.00	64.19 1.50 0.00	73.76 2.08 0.00	86.62 2.81 -3.64	87.11 3.14 -3.58	82.16 2.82 -5.18	76.48 2.67 -7.05	71.03 2.16 -8.78	65.78 1.56 -10.37	51.45 1.38 -2.61
MAPLEWOD_115KV_TB3 80458	42.98 0.26 0.07	39.36 0.16 0.00	36.58 0.25 0.00	33.50 0.40 0.00	32.68 0.45 0.00	34.02 0.44 0.00	34.74 0.41 0.00	33.83 0.37 0.00	33.53 0.40 0.00	36.45 0.26 0.66	39.17 0.16 0.82	42.73 -0.13 1.08	45.36 -0.09 1.28	50.04 -0.10 1.39	52.96 -0.05 1.73	60.58 -0.06 2.05	70.41 0.07 1.34	80.16 0.08 0.09	80.55 0.16 0.00	74.61 0.44 0.00	67.03 0.27 0.00	60.45 0.36 0.00	54.06 0.22 0.00	47.69 0.24 0.00
MAPLE_RIDGE_WT_1 323574	42.83 0.04 0.00	39.20 0.00 0.00	36.33 0.00 0.00	33.11 0.00 0.00	32.23 0.00 0.00	33.62 0.03 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.16 0.03 0.00	36.85 0.00 0.00	39.87 0.04 0.00	43.95 0.00 0.00	46.69 -0.05 0.00	51.49 -0.05 0.00	54.69 -0.05 0.00	62.56 -0.13 0.00	71.61 -0.07 0.00	79.80 0.00 0.38	80.02 0.00 0.37	73.63 0.00 0.54	66.03 0.00 0.73	59.06 -0.12 0.91	52.56 -0.21 1.07	46.86 -0.28 0.31
MAPLE_RIDGE_WT_2 323611	42.83 0.04 0.00	39.20 0.00 0.00	36.33 0.00 0.00	33.11 0.00 0.00	32.23 0.00 0.00	33.62 0.03 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.16 0.03 0.00	36.85 0.00 0.00	39.87 0.04 0.00	43.95 0.00 0.00	46.69 -0.05 0.00	51.49 -0.05 0.00	54.69 -0.05 0.00	62.56 -0.13 0.00	71.61 -0.07 0.00	79.80 0.00 0.38	80.02 0.00 0.37	73.63 0.00 0.54	66.03 0.00 0.73	59.06 -0.12 0.91	52.56 -0.21 1.07	46.86 -0.28 0.31
MARBLE_RIVER_WT_PWR 323696	43.56 0.77 0.00	39.83 0.63 0.00	36.87 0.55 0.00	33.67 0.56 0.00	32.78 0.55 0.00	34.22 0.64 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.63 0.50 0.00	37.37 0.52 0.00	40.47 0.64 0.00	44.61 0.66 0.00	47.11 0.37 0.00	51.95 0.41 0.00	55.07 0.33 0.00	63.07 0.38 0.00	72.32 0.64 0.00	81.70 1.12 -0.41	82.00 1.21 -0.40	75.78 1.04 -0.58	68.55 1.00 -0.79	61.73 0.66 -0.98	55.38 0.38 -1.16	47.79 0.33 0.00
MARSHVLE_115KV_TB1 80742	46.04 3.29 0.04	42.22 3.02 0.00	38.98 2.65 0.00	35.52 2.42 0.00	34.59 2.35 0.00	36.04 2.45 0.00	36.73 2.40 0.00	35.44 1.97 0.00	34.55 1.42 0.00	37.56 1.11 0.40	40.29 0.96 0.49	44.22 0.92 0.65	47.09 1.12 0.77	52.03 1.34 0.84	55.34 1.64 1.05	63.77 2.32 1.24	74.17 3.30 0.81	85.01 4.89 0.05	86.90 6.51 0.00	81.14 6.97 0.00	73.17 6.41 0.00	65.79 5.71 0.00	58.74 4.90 0.00	51.39 3.94 0.00
MARSH_HILL_WT_PWR 323713	44.07 1.28 0.00	40.97 1.77 0.00	37.34 1.02 0.00	33.67 0.56 0.00	32.59 0.36 0.00	33.79 0.20 0.00	34.67 0.34 0.00	33.67 0.20 0.00	33.06 -0.07 0.00	37.30 0.44 0.00	40.47 0.64 0.00	45.75 1.80 0.00	48.75 2.01 0.00	53.91 2.37 0.00	57.31 2.57 0.00	65.57 2.89 0.00	74.47 2.79 0.00	83.70 3.52 0.00	84.81 4.42 0.00	78.98 4.82 0.00	71.50 4.74 0.00	64.11 4.03 0.00	57.93 4.09 0.00	50.59 3.13 0.00
MCINTYRE_115KV_TB2 80467	44.93 2.14 0.00	41.05 1.84 0.00	38.00 1.67 0.00	34.66 1.56 0.00	33.81 1.58 0.00	35.26 1.68 0.00	36.04 1.72 0.00	34.94 1.47 0.00	34.09 0.96 0.00	37.78 0.92 0.00	40.83 1.00 0.00	44.96 1.01 0.00	47.58 0.84 0.00	52.57 1.03 0.00	55.78 1.04 0.00	64.00 1.32 0.00	73.68 2.01 0.00	94.78 2.97 -11.64	95.63 3.78 -11.46	94.75 4.00 -16.58	93.26 3.94 -22.56	91.62 3.42 -28.11	90.06 3.02 -33.20	59.67 2.56 -9.66
MECO_____69_KV_BK1 80468	46.13 3.38 0.04	42.30 3.10 0.00	39.01 2.69 0.00	35.59 2.48 0.00	34.65 2.42 0.00	36.10 2.52 0.00	36.83 2.51 0.00	35.54 2.07 0.00	34.69 1.56 0.00	37.59 1.18 0.44	40.20 0.92 0.55	43.97 0.75 0.72	46.72 0.84 0.85	51.64 1.03 0.93	55.01 1.42 1.15	63.58 2.26 1.37	74.22 3.44 0.89	85.32 5.21 0.06	87.39 6.99 0.00	81.43 7.27 0.00	73.30 6.54 0.00	65.91 5.83 0.00	58.85 5.01 0.00	51.44 3.99 0.00
MENANDS___115KV_TB5 355628	42.64 -0.09 0.07	39.05 -0.16 0.00	36.33 0.00 0.00	33.30 0.20 0.00	32.49 0.26 0.00	33.79 0.20 0.00	34.53 0.21 0.00	33.63 0.17 0.00	33.33 0.20 0.00	36.23 0.04 0.66	38.94 -0.08 0.81	42.43 -0.44 1.08	45.04 -0.42 1.28	49.68 -0.46 1.39	52.53 -0.49 1.72	60.08 -0.56 2.04	69.84 -0.50 1.33	79.44 -0.64 0.09	79.67 -0.72 0.00	74.02 -0.15 0.00	66.43 -0.33 0.00	59.97 -0.12 0.00	53.63 -0.22 0.00	47.36 -0.09 0.00
MG INDUSTRY___DRP 24185	42.75 0.00 0.04	39.13 -0.08 0.00	36.40 0.07 0.00	33.30 0.20 0.00	32.49 0.26 0.00	33.82 0.24 0.00	34.50 0.17 0.00	33.53 0.07 0.00	33.16 0.03 0.00	36.34 -0.15 0.36	39.10 -0.28 0.45	41.90 -1.45 0.59	44.49 -1.54 0.70	49.02 -1.75 0.76	51.99 -1.81 0.95	59.56 -2.01 1.12	68.79 -2.15 0.73	77.49 -2.49 0.20	77.96 -2.41 0.02	72.01 -2.15 0.00	64.76 -2.00 0.00	58.46 -1.62 0.00	52.33 -1.51 0.00	46.17 -1.28 0.00



MID___OSWEGATCHIE_HYD 23849	44.42 1.63 0.00	40.62 1.41 0.00	37.53 1.20 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.56 1.24 0.00	34.53 1.07 0.00	33.86 0.73 0.00	37.63 0.77 0.00	40.71 0.88 0.00	44.96 1.01 0.00	47.63 0.89 0.00	52.77 1.24 0.00	56.00 1.26 0.00	64.32 1.63 0.00	73.83 2.15 0.00	90.16 2.97 -7.03	91.09 3.78 -6.92	88.10 3.93 -10.01	84.11 3.74 -13.62	80.00 2.94 -16.96	76.36 2.48 -20.04	55.11 1.85 -5.81
MID___RAQUETTE_HYD 23851	44.03 1.24 0.00	40.22 1.02 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.63 1.04 0.00	35.46 1.13 0.00	34.47 1.00 0.00	33.79 0.66 0.00	37.55 0.70 0.00	40.63 0.80 0.00	44.83 0.88 0.00	47.44 0.70 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.75 1.07 0.00	73.18 1.51 0.00	92.72 2.16 -10.38	93.10 2.49 -10.22	91.40 2.45 -14.78	89.28 2.40 -20.12	87.20 2.04 -25.07	85.23 1.78 -29.61	57.51 1.47 -8.58
MILLIKEN___1 23584	43.65 0.86 0.00	40.18 0.98 0.00	36.94 0.62 0.00	33.57 0.46 0.00	32.62 0.39 0.00	33.95 0.37 0.00	34.74 0.41 0.00	33.87 0.40 0.00	33.43 0.30 0.00	37.30 0.44 0.00	40.35 0.52 0.00	44.87 0.92 0.00	47.81 1.07 0.00	52.88 1.34 0.00	56.16 1.42 0.00	64.51 1.82 0.00	73.76 2.08 0.00	82.74 2.57 0.00	83.45 3.05 0.00	77.43 3.26 0.00	69.76 3.00 0.00	62.61 2.52 0.00	56.16 2.32 0.00	49.21 1.76 0.00
MILLIKEN___2 23585	43.65 0.86 0.00	40.18 0.98 0.00	36.94 0.62 0.00	33.57 0.46 0.00	32.62 0.39 0.00	33.95 0.37 0.00	34.74 0.41 0.00	33.87 0.40 0.00	33.43 0.30 0.00	37.30 0.44 0.00	40.35 0.52 0.00	44.87 0.92 0.00	47.81 1.07 0.00	52.88 1.34 0.00	56.16 1.42 0.00	64.51 1.82 0.00	73.76 2.08 0.00	82.74 2.57 0.00	83.45 3.05 0.00	77.43 3.26 0.00	69.76 3.00 0.00	62.61 2.52 0.00	56.16 2.32 0.00	49.21 1.76 0.00
MILLIKEN___DIESEL 23629	43.65 0.86 0.00	40.18 0.98 0.00	36.94 0.62 0.00	33.57 0.46 0.00	32.62 0.39 0.00	33.95 0.37 0.00	34.74 0.41 0.00	33.87 0.40 0.00	33.43 0.30 0.00	37.30 0.44 0.00	40.35 0.52 0.00	44.87 0.92 0.00	47.81 1.07 0.00	52.88 1.34 0.00	56.16 1.42 0.00	64.51 1.82 0.00	73.76 2.08 0.00	82.74 2.57 0.00	83.45 3.05 0.00	77.43 3.26 0.00	69.76 3.00 0.00	62.61 2.52 0.00	56.16 2.32 0.00	49.21 1.76 0.00
MILLSEAT___LFGE 323607	43.86 1.07 0.00	40.77 1.57 0.00	37.34 1.02 0.00	33.44 0.33 0.00	32.33 0.10 0.00	33.52 -0.07 0.00	34.26 -0.07 0.00	33.03 -0.44 0.00	32.43 -0.70 0.00	37.11 0.26 0.00	40.35 0.52 0.00	46.06 2.11 0.00	48.93 2.20 0.00	54.47 2.94 0.00	57.91 3.17 0.00	66.32 3.63 0.00	75.05 3.37 0.00	84.34 4.17 0.00	84.97 4.58 0.00	78.32 4.15 0.00	71.10 4.34 0.00	63.69 3.60 0.00	57.72 3.88 0.00	50.49 3.04 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	44.02 1.16 -0.08	39.99 0.78 0.00	37.20 0.87 0.00	33.93 0.83 0.00	33.17 0.93 0.00	34.53 0.94 0.00	35.43 1.10 0.00	34.60 1.14 0.00	34.55 1.42 0.00	39.04 1.44 -0.75	42.27 1.51 -0.93	46.45 1.27 -1.23	49.64 1.45 -1.45	54.41 1.29 -1.58	58.13 1.42 -1.96	66.39 1.38 -2.32	74.84 1.65 -1.52	81.88 1.60 -0.10	81.36 0.96 0.00	74.54 0.37 0.00	66.83 0.07 0.00	60.39 0.30 0.00	54.11 0.27 0.00	47.93 0.47 0.00
MILLWOOD_13_KV_LOAD 356217	44.15 1.28 -0.08	40.11 0.90 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.26 1.03 0.00	34.63 1.04 0.00	35.53 1.20 0.00	34.67 1.20 0.00	34.62 1.49 0.00	39.12 1.51 -0.75	42.35 1.59 -0.93	46.63 1.45 -1.23	49.78 1.59 -1.45	54.61 1.49 -1.58	58.29 1.59 -1.96	66.58 1.57 -2.32	75.13 1.94 -1.52	82.12 1.84 -0.10	81.60 1.21 0.00	74.83 0.67 0.00	67.03 0.27 0.00	60.57 0.48 0.00	54.33 0.48 0.00	48.07 0.62 0.00
MODEL_CITY_ENERGY 24167	42.83 0.04 0.00	39.71 0.51 0.00	36.58 0.26 0.00	32.77 -0.33 0.00	31.68 -0.55 0.00	32.75 -0.84 0.00	33.54 -0.79 0.00	32.12 -1.34 0.00	31.61 -1.52 0.00	36.19 -0.66 0.00	39.36 -0.48 0.00	44.91 0.97 0.00	47.67 0.93 0.00	52.98 1.44 0.00	56.33 1.59 0.00	64.38 1.69 0.00	72.75 1.08 0.00	81.45 1.28 0.00	81.92 1.52 0.00	75.50 1.34 0.00	68.43 1.67 0.00	61.47 1.38 0.00	55.94 2.10 0.00	49.11 1.66 0.00
MODERN_LFGE___ 323580	42.83 0.04 0.00	39.71 0.51 0.00	36.58 0.26 0.00	32.77 -0.33 0.00	31.68 -0.55 0.00	32.75 -0.84 0.00	33.54 -0.79 0.00	32.12 -1.34 0.00	31.61 -1.52 0.00	36.19 -0.66 0.00	39.36 -0.48 0.00	44.91 0.97 0.00	47.67 0.93 0.00	52.98 1.44 0.00	56.33 1.59 0.00	64.38 1.69 0.00	72.75 1.08 0.00	81.45 1.28 0.00	81.92 1.52 0.00	75.50 1.34 0.00	68.43 1.67 0.00	61.47 1.38 0.00	55.94 2.10 0.00	49.11 1.66 0.00
MOHAWK_PAPER___DRP 24187	42.98 0.26 0.07	39.36 0.16 0.00	36.58 0.25 0.00	33.50 0.40 0.00	32.68 0.45 0.00	34.02 0.44 0.00	34.74 0.41 0.00	33.83 0.37 0.00	33.53 0.40 0.00	36.45 0.26 0.66	39.17 0.16 0.82	42.73 -0.13 1.08	45.36 -0.09 1.28	50.04 -0.10 1.39	52.96 -0.05 1.73	60.58 -0.06 2.05	70.41 0.07 1.34	80.16 0.08 0.09	80.55 0.16 0.00	74.61 0.44 0.00	67.03 0.27 0.00	60.45 0.36 0.00	54.06 0.22 0.00	47.69 0.24 0.00
MOHICAN___35_KV_115KV_LD 80490	44.43 1.71 0.07	40.77 1.57 0.00	37.78 1.45 0.00	34.50 1.39 0.00	33.59 1.35 0.00	35.03 1.44 0.00	35.77 1.44 0.00	34.74 1.27 0.00	34.32 1.19 0.00	37.29 1.11 0.67	39.84 0.84 0.83	43.37 0.53 1.10	46.13 0.70 1.30	50.84 0.72 1.42	53.96 0.99 1.76	62.11 1.50 2.09	72.32 2.01 1.36	82.89 2.81 0.09	84.49 4.10 0.00	78.24 4.08 0.00	70.37 3.61 0.00	63.33 3.24 0.00	56.53 2.69 0.00	49.50 2.04 0.00
MONGAUP___HYD 23641	44.18 1.33 -0.06	40.30 1.10 0.00	37.38 1.05 0.00	34.10 0.99 0.00	33.29 1.06 0.00	34.66 1.07 0.00	35.50 1.17 0.00	34.57 1.10 0.00	34.29 1.16 0.00	38.59 1.10 -0.63	41.68 1.08 -0.78	45.94 0.97 -1.03	49.03 1.08 -1.22	53.89 1.03 -1.32	57.59 1.20 -1.64	65.95 1.32 -1.95	74.81 1.86 -1.27	82.58 2.33 -0.08	82.56 2.17 0.00	76.02 1.85 0.00	68.23 1.47 0.00	61.53 1.44 0.00	55.02 1.18 0.00	48.55 1.09 0.00
MONTAUK___DIESEL 23721	46.93 4.07 -0.08	42.97 3.76 0.00	39.45 3.12 0.00	35.72 2.62 0.00	35.39 3.16 0.00	37.01 3.43 0.00	37.35 3.02 0.00	36.38 2.91 0.00	36.48 3.35 0.00	41.85 4.24 -0.76	45.15 4.38 -0.94	48.78 3.60 -1.23	51.80 4.11 -0.95	57.45 4.33 -1.58	61.97 5.26 -1.97	70.86 5.83 -2.34	80.45 7.24 -1.53	88.75 8.58 0.00	87.30 6.91 0.01	78.67 4.52 0.01	68.99 3.07 0.84	52.68 2.76 10.17	49.92 1.94 5.86	48.15 1.80 1.11
MOONROAD_115KV_HARTFLD_TB1-2 355988	44.37 1.58 0.00	41.87 2.67 0.00	37.67 1.34 0.00	33.80 0.70 0.00	32.68 0.45 0.00	33.79 0.20 0.00	34.67 0.34 0.00	33.90 0.44 0.00	33.49 0.36 0.00	38.29 1.44 0.00	41.62 1.79 0.00	47.55 3.60 0.00	50.62 3.88 0.00	56.18 4.64 0.00	59.83 5.09 0.00	68.39 5.70 0.00	77.27 5.59 0.00	86.51 6.33 0.00	86.50 6.11 0.00	80.39 6.23 0.00	72.63 5.87 0.00	65.13 5.05 0.00	59.17 5.33 0.00	51.68 4.22 0.00



MORRIS_RIDGE___SOLAR 323848	43.39 0.60 0.00	40.46 1.25 0.00	36.87 0.55 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.32 -0.27 0.00	34.12 -0.20 0.00	33.10 -0.37 0.00	32.43 -0.70 0.00	36.71 -0.15 0.00	39.83 0.00 0.00	45.13 1.19 0.00	48.00 1.26 0.00	53.19 1.65 0.00	56.54 1.80 0.00	64.69 2.01 0.00	73.39 1.72 0.00	82.34 2.17 0.00	83.21 2.81 0.00	77.51 3.34 0.00	70.16 3.40 0.00	62.97 2.88 0.00	56.96 3.12 0.00	49.87 2.42 0.00
MORTIMER_115KV_TB3 55949	43.09 0.30 0.00	40.30 1.10 0.00	36.62 0.29 0.00	32.97 -0.13 0.00	31.94 -0.29 0.00	33.22 -0.37 0.00	33.95 -0.38 0.00	33.10 -0.37 0.00	32.67 -0.46 0.00	37.04 0.18 0.00	40.27 0.44 0.00	45.53 1.58 0.00	48.47 1.73 0.00	53.86 2.32 0.00	57.20 2.46 0.00	65.51 2.82 0.00	74.40 2.72 0.00	83.30 3.13 0.00	83.53 3.14 0.00	77.21 3.04 0.00	69.90 3.14 0.00	62.61 2.52 0.00	56.43 2.58 0.00	49.50 2.04 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	44.37 1.50 -0.08	40.26 1.06 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.70 1.37 0.00	34.87 1.41 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.64 1.87 -0.94	46.86 1.67 -1.24	50.03 1.82 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.29 2.08 -1.53	82.28 2.00 -0.10	81.52 1.13 0.00	74.68 0.52 0.00	66.83 0.07 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.21 0.76 0.00
MUNSVILLE_WIND_PWR 323609	46.17 3.38 0.00	42.34 3.14 0.00	38.94 2.62 0.00	35.39 2.28 0.00	34.45 2.22 0.00	35.90 2.32 0.00	36.69 2.37 0.00	35.81 2.34 0.00	35.05 1.92 0.00	39.10 2.25 0.00	42.42 2.59 0.00	47.20 3.25 0.00	50.20 3.46 0.00	55.97 4.43 0.00	59.61 4.87 0.00	68.52 5.83 0.00	78.41 6.74 0.00	88.19 8.02 0.00	89.79 9.40 0.00	83.21 9.04 0.00	75.10 8.34 0.00	67.17 7.09 0.00	60.14 6.30 0.00	52.34 4.89 0.00
N SALMON___HYD 24042	44.25 1.46 0.00	40.42 1.22 0.00	37.42 1.09 0.00	34.16 1.06 0.00	33.29 1.06 0.00	34.73 1.14 0.00	35.60 1.27 0.00	34.67 1.20 0.00	34.09 0.96 0.00	37.92 1.07 0.00	41.07 1.24 0.00	45.26 1.32 0.00	47.86 1.12 0.00	52.83 1.29 0.00	56.00 1.26 0.00	64.19 1.50 0.00	73.76 2.08 0.00	86.61 2.80 -3.64	87.11 3.13 -3.58	82.16 2.82 -5.18	76.48 2.67 -7.05	71.03 2.16 -8.78	65.78 1.56 -10.37	51.45 1.38 -2.61
N.AKRON__115KV_KNAPP 355671	43.77 0.98 0.00	41.44 2.23 0.00	37.31 0.98 0.00	33.40 0.30 0.00	32.30 0.06 0.00	33.48 -0.10 0.00	34.22 -0.10 0.00	33.00 -0.47 0.00	32.47 -0.66 0.00	37.08 0.22 0.00	40.31 0.48 0.00	46.01 2.07 0.00	48.84 2.10 0.00	54.37 2.83 0.00	57.86 3.12 0.00	66.20 3.51 0.00	74.90 3.23 0.00	84.02 3.85 0.00	84.25 3.86 0.00	78.17 4.00 0.00	70.90 4.14 0.00	63.51 3.42 0.00	57.61 3.77 0.00	50.73 3.27 0.00
N.E_GEN_SANDY PD 24062	42.47 0.38 0.70	39.72 0.31 -0.20	36.76 0.44 0.00	33.60 0.50 0.00	32.81 0.58 0.00	34.16 0.57 0.00	34.11 0.62 0.84	34.91 0.60 -0.84	33.86 0.73 0.00	32.52 0.59 4.92	34.26 0.52 6.08	36.11 0.22 8.06	37.49 0.28 9.53	41.37 0.21 10.37	42.08 0.22 12.88	47.56 0.13 15.25	62.00 0.29 9.97	79.59 0.08 0.66	80.15 -0.24 0.00	73.87 -0.30 0.00	66.30 -0.46 0.00	59.91 -0.18 0.00	53.63 -0.21 0.00	47.45 0.00 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	43.93 1.07 -0.07	39.95 0.74 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.17 0.93 0.00	34.49 0.91 0.00	35.39 1.06 0.00	34.60 1.14 0.00	34.55 1.42 0.00	38.96 1.40 -0.71	42.18 1.47 -0.88	46.38 1.27 -1.16	49.56 1.45 -1.37	54.37 1.34 -1.49	58.07 1.48 -1.85	66.32 1.44 -2.19	74.83 1.72 -1.43	81.95 1.68 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.89 0.13 0.00	60.39 0.30 0.00	54.16 0.32 0.00	47.88 0.43 0.00
N.QUEENS_27_KV_LOAD 356247	44.54 1.67 -0.08	40.42 1.22 0.00	37.56 1.24 0.00	34.26 1.16 0.00	33.46 1.22 0.00	34.90 1.31 0.00	35.84 1.51 0.00	35.00 1.54 0.00	34.99 1.86 0.00	39.53 1.92 -0.76	42.84 2.07 -0.94	47.12 1.93 -1.24	50.31 2.10 -1.47	54.83 1.70 -1.60	58.04 1.31 -1.98	66.04 1.00 -2.35	75.07 1.86 -1.53	81.99 1.68 -0.13	80.71 0.32 0.00	73.87 -0.30 0.00	66.16 -0.60 0.00	59.91 -0.18 0.00	54.86 1.02 0.00	48.50 1.04 0.00
N.TROY___115KV_TB1 355778	43.38 0.68 0.09	39.75 0.55 0.00	36.98 0.65 0.00	33.80 0.70 0.00	32.97 0.74 0.00	34.32 0.74 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.83 0.70 0.00	36.56 0.59 0.89	39.17 0.44 1.10	42.71 0.22 1.45	45.30 0.28 1.72	49.98 0.31 1.87	52.80 0.38 2.32	60.44 0.50 2.75	70.60 0.72 1.80	80.93 0.88 0.12	81.44 1.05 0.00	75.13 0.96 0.00	67.56 0.80 0.00	60.93 0.84 0.00	54.49 0.65 0.00	48.02 0.57 0.00
NARROWS_GT1_1 24228	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT1_2 24229	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT1_3 24230	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT1_4 24231	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT1_5 24232	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01



NARROWS_GT1_6 24233	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT1_7 24234	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT1_8 24235	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_1 24236	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_2 24237	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_3 24238	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_4 24239	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_5 24240	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_6 24241	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_7 24242	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NARROWS_GT2_8 24243	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	43.66 0.90 0.03	39.67 0.47 0.00	36.83 0.51 0.00	33.73 0.63 0.00	32.91 0.68 0.00	34.22 0.64 0.00	34.91 0.58 0.00	33.83 0.37 0.00	33.33 0.20 0.00	36.97 0.37 0.25	39.68 0.16 0.31	43.27 -0.26 0.41	45.88 -0.37 0.48	50.70 -0.31 0.53	53.98 -0.11 0.65	61.85 -0.06 0.77	71.53 0.36 0.51	80.75 0.80 0.22	81.01 0.64 0.02	74.83 0.67 0.00	67.23 0.47 0.00	60.69 0.60 0.00	54.16 0.32 0.00	47.64 0.19 0.00
NCHELSEA_115KV_TR2 355582	44.26 1.41 -0.06	40.26 1.06 0.00	37.42 1.09 0.00	34.13 1.03 0.00	33.36 1.13 0.00	34.73 1.14 0.00	35.63 1.30 0.00	34.74 1.27 0.00	34.59 1.46 0.00	39.00 1.55 -0.60	42.17 1.59 -0.74	46.42 1.49 -0.98	49.58 1.68 -1.16	54.45 1.65 -1.26	58.17 1.86 -1.57	66.49 1.94 -1.86	75.33 2.44 -1.21	82.82 2.57 -0.08	82.48 2.09 0.00	75.65 1.48 0.00	67.76 1.00 0.00	61.23 1.14 0.00	54.76 0.92 0.00	48.36 0.90 0.00
NEG CAPITAL___MECHNVIL 23645	44.21 1.50 0.08	40.58 1.37 0.00	37.60 1.27 0.00	34.33 1.23 0.00	33.46 1.22 0.00	34.86 1.28 0.00	35.60 1.27 0.00	34.60 1.14 0.00	34.26 1.13 0.00	37.12 1.03 0.76	39.85 0.95 0.94	43.50 0.79 1.24	46.20 0.93 1.47	50.97 1.03 1.60	54.01 1.26 1.99	62.03 1.69 2.35	72.29 2.15 1.54	82.63 2.56 0.10	83.52 3.13 0.00	77.28 3.11 0.00	69.43 2.67 0.00	62.55 2.46 0.00	55.89 2.05 0.00	49.11 1.66 0.00
NEG CENTRAL_HIGH_ACRES 23767	42.32 -0.47 0.00	39.24 0.04 0.00	35.93 -0.40 0.00	32.41 -0.70 0.00	31.43 -0.80 0.00	32.68 -0.91 0.00	33.43 -0.89 0.00	32.59 -0.87 0.00	32.17 -0.96 0.00	36.45 -0.40 0.00	39.59 -0.24 0.00	44.61 0.66 0.00	47.48 0.75 0.00	52.77 1.23 0.00	56.05 1.31 0.00	64.25 1.57 0.00	73.04 1.36 0.00	82.02 1.85 0.00	82.48 2.09 0.00	75.87 1.71 0.00	68.56 1.80 0.00	61.41 1.32 0.00	55.24 1.40 0.00	48.40 0.95 0.00



NEG CENTRAL___DRP 24199	43.26 0.47 0.00	40.03 0.82 0.00	36.62 0.29 0.00	33.21 0.10 0.00	32.23 0.00 0.00	33.55 -0.03 0.00	34.33 0.00 0.00	33.46 0.00 0.00	33.06 -0.07 0.00	37.04 0.18 0.00	40.15 0.32 0.00	44.91 0.97 0.00	47.77 1.03 0.00	52.93 1.39 0.00	56.22 1.48 0.00	64.57 1.88 0.00	73.61 1.94 0.00	82.58 2.41 0.00	83.21 2.81 0.00	77.13 2.97 0.00	69.50 2.74 0.00	62.31 2.22 0.00	56.00 2.15 0.00	49.02 1.57 0.00
NEG CENTRAL___INDECK 23768	44.93 2.14 0.00	41.75 2.55 0.00	38.07 1.74 0.00	34.23 1.13 0.00	33.17 0.94 0.00	34.49 0.91 0.00	35.25 0.93 0.00	34.13 0.67 0.00	33.33 0.20 0.00	37.44 0.59 0.00	40.47 0.64 0.00	45.75 1.80 0.00	48.79 2.05 0.00	52.31 0.77 0.00	55.56 0.82 0.00	63.82 1.13 0.00	72.68 1.00 0.00	82.25 2.08 0.00	83.93 3.53 0.00	78.46 4.30 0.00	71.43 4.67 0.00	63.94 3.85 0.00	57.55 3.71 0.00	50.21 2.75 0.00
NEG CENTRAL___SENECA 23627	43.60 0.81 0.00	40.46 1.25 0.00	36.91 0.58 0.00	33.40 0.30 0.00	32.43 0.19 0.00	33.72 0.13 0.00	34.53 0.21 0.00	33.66 0.20 0.00	33.20 0.07 0.00	37.30 0.44 0.00	40.43 0.60 0.00	45.40 1.45 0.00	48.23 1.50 0.00	53.44 1.91 0.00	56.82 2.08 0.00	65.26 2.57 0.00	74.33 2.65 0.00	83.46 3.29 0.00	84.17 3.78 0.00	78.02 3.86 0.00	70.43 3.67 0.00	63.09 3.00 0.00	56.70 2.85 0.00	49.64 2.18 0.00
NEG CENTRAL___STATE_STREET 24147	43.09 0.30 0.00	39.67 0.47 0.00	36.44 0.11 0.00	33.07 -0.03 0.00	32.17 -0.06 0.00	33.52 -0.07 0.00	34.26 -0.07 0.00	33.40 -0.07 0.00	33.00 -0.13 0.00	36.89 0.04 0.00	39.99 0.16 0.00	44.56 0.62 0.00	47.44 0.70 0.00	52.52 0.98 0.00	55.78 1.04 0.00	64.07 1.38 0.00	73.18 1.51 0.00	82.10 1.92 0.00	82.64 2.25 0.00	76.46 2.30 0.00	68.96 2.20 0.00	61.83 1.74 0.00	55.46 1.62 0.00	48.59 1.14 0.00
NEG MILLWOOD___DRP 24198	44.40 1.54 -0.07	40.38 1.18 0.00	37.49 1.16 0.00	34.17 1.06 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.73 1.41 0.00	34.80 1.34 0.00	34.72 1.59 0.00	39.18 1.66 -0.67	42.49 1.83 -0.83	46.80 1.76 -1.09	49.99 1.96 -1.29	54.90 1.96 -1.41	58.63 2.13 -1.75	67.08 2.32 -2.07	75.75 2.72 -1.35	83.07 2.81 -0.09	82.72 2.33 0.00	75.80 1.63 0.00	67.96 1.20 0.00	61.35 1.26 0.00	54.92 1.08 0.00	48.45 1.00 0.00
NEG NORTH_FLCN_SEA 23793	43.86 1.07 0.00	40.03 0.82 0.00	37.09 0.76 0.00	33.87 0.76 0.00	32.97 0.74 0.00	34.39 0.81 0.00	35.25 0.93 0.00	34.33 0.87 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.87 0.92 0.00	47.11 0.37 0.00	52.00 0.46 0.00	55.12 0.38 0.00	63.13 0.44 0.00	72.47 0.79 0.00	81.98 1.28 -0.52	82.43 1.53 -0.51	76.17 1.26 -0.74	68.97 1.20 -1.01	62.13 0.78 -1.26	55.76 0.43 -1.49	47.88 0.43 0.00
NEG NORTH_KES_CHATEGAY 23792	43.69 0.90 0.00	39.87 0.67 0.00	36.94 0.62 0.00	33.73 0.63 0.00	32.84 0.61 0.00	34.29 0.71 0.00	35.12 0.79 0.00	34.20 0.74 0.00	33.63 0.50 0.00	37.33 0.48 0.00	40.39 0.56 0.00	44.52 0.57 0.00	47.02 0.28 0.00	51.85 0.31 0.00	55.01 0.27 0.00	63.00 0.31 0.00	72.32 0.65 0.00	82.65 1.12 -1.36	83.09 1.37 -1.34	77.36 1.26 -1.93	70.59 1.20 -2.63	64.20 0.84 -3.28	58.25 0.54 -3.87	48.53 0.47 -0.60
NEG NORTH___ALICE_FALLS 23915	44.12 1.33 0.00	40.30 1.10 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.17 0.93 0.00	34.59 1.01 0.00	35.46 1.13 0.00	34.53 1.07 0.00	33.96 0.83 0.00	37.78 0.92 0.00	40.91 1.08 0.00	45.13 1.19 0.00	47.49 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.11 1.43 0.00	82.99 2.16 -0.65	83.45 2.41 -0.64	77.17 2.08 -0.93	69.96 1.94 -1.27	63.17 1.50 -1.58	56.68 0.97 -1.86	48.36 0.90 0.00
NEG NORTH___LWR_SARANAC 23913	44.12 1.33 0.00	40.30 1.10 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.17 0.93 0.00	34.59 1.01 0.00	35.46 1.13 0.00	34.53 1.07 0.00	33.96 0.83 0.00	37.78 0.92 0.00	40.91 1.08 0.00	45.13 1.19 0.00	47.49 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.11 1.43 0.00	82.99 2.16 -0.65	83.45 2.41 -0.64	77.17 2.08 -0.93	69.96 1.94 -1.27	63.17 1.50 -1.58	56.68 0.97 -1.86	48.36 0.90 0.00
NEG NORTH___PLATTSBURG 23628	44.12 1.33 0.00	40.30 1.10 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.17 0.94 0.00	34.59 1.01 0.00	35.46 1.13 0.00	34.53 1.07 0.00	33.96 0.83 0.00	37.78 0.92 0.00	40.91 1.08 0.00	45.13 1.19 0.00	47.48 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.11 1.43 0.00	82.99 2.17 -0.65	83.45 2.41 -0.64	77.17 2.07 -0.93	69.96 1.94 -1.27	63.17 1.50 -1.58	56.68 0.97 -1.86	48.35 0.90 0.00
NEG WEST_LEA_LOCKPORT 23791	42.96 0.17 0.00	40.81 1.61 0.00	36.65 0.33 0.00	32.84 -0.26 0.00	31.75 -0.48 0.00	32.85 -0.74 0.00	33.61 -0.72 0.00	32.39 -1.07 0.00	31.94 -1.19 0.00	36.49 -0.37 0.00	39.67 -0.16 0.00	45.22 1.27 0.00	48.00 1.26 0.00	53.39 1.86 0.00	56.77 2.03 0.00	64.82 2.13 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.00 1.61 0.00	76.09 1.93 0.00	68.96 2.20 0.00	61.95 1.86 0.00	56.37 2.53 0.00	49.78 2.33 0.00
NEG WEST___LANCASTR 23811	42.83 0.04 0.00	40.42 1.22 0.00	36.40 0.07 0.00	32.71 -0.40 0.00	31.62 -0.61 0.00	32.71 -0.87 0.00	33.54 -0.79 0.00	32.76 -0.70 0.00	32.43 -0.70 0.00	36.93 0.07 0.00	40.15 0.32 0.00	45.79 1.85 0.00	48.70 1.96 0.00	54.06 2.53 0.00	57.59 2.85 0.00	65.76 3.07 0.00	74.33 2.65 0.00	83.06 2.89 0.00	83.05 2.65 0.00	77.21 3.04 0.00	69.76 3.00 0.00	62.61 2.52 0.00	56.86 3.02 0.00	49.83 2.37 0.00
NEG_PENN_ALLEGHNY 23528	43.26 0.47 0.00	39.87 0.67 0.00	36.73 0.40 0.00	33.34 0.23 0.00	32.43 0.19 0.00	33.69 0.10 0.00	34.47 0.14 0.00	33.63 0.17 0.00	33.33 0.20 0.00	37.26 0.41 0.00	40.35 0.52 0.00	44.96 1.01 0.00	47.91 1.17 0.00	52.98 1.44 0.00	56.27 1.53 0.00	64.51 1.82 0.00	73.47 1.79 0.00	82.18 2.01 0.00	82.56 2.17 0.00	76.32 2.15 0.00	68.76 2.00 0.00	61.83 1.74 0.00	55.56 1.72 0.00	48.74 1.28 0.00
NEG___GEN_MONROE 24207	43.30 0.51 0.00	40.58 1.37 0.00	36.76 0.44 0.00	33.07 -0.03 0.00	32.07 -0.16 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.03 -0.44 0.00	32.57 -0.56 0.00	36.93 0.07 0.00	40.11 0.28 0.00	45.35 1.41 0.00	48.23 1.50 0.00	53.60 2.06 0.00	57.04 2.30 0.00	65.32 2.63 0.00	74.19 2.51 0.00	83.38 3.21 0.00	83.69 3.30 0.00	77.58 3.41 0.00	70.30 3.54 0.00	62.91 2.82 0.00	56.75 2.91 0.00	49.83 2.37 0.00
NEPA___ENERGY 23901	43.30 0.51 0.00	40.85 1.65 0.00	36.83 0.51 0.00	33.11 0.00 0.00	32.04 -0.19 0.00	33.08 -0.50 0.00	33.92 -0.41 0.00	33.16 -0.30 0.00	32.86 -0.27 0.00	37.37 0.52 0.00	40.59 0.76 0.00	46.23 2.29 0.00	49.21 2.48 0.00	54.63 3.09 0.00	58.14 3.39 0.00	66.45 3.76 0.00	75.05 3.37 0.00	83.86 3.69 0.00	83.93 3.54 0.00	78.02 3.86 0.00	70.57 3.81 0.00	63.33 3.24 0.00	57.40 3.55 0.00	50.35 2.89 0.00



NEVERSINK___HYD 23608	44.08 1.24 -0.05	40.19 0.98 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.56 0.97 0.00	35.39 1.07 0.00	34.53 1.07 0.00	34.36 1.23 0.00	38.62 1.29 -0.48	41.73 1.31 -0.59	46.04 1.32 -0.78	49.11 1.45 -0.92	54.03 1.50 -1.00	57.68 1.70 -1.24	66.04 1.88 -1.47	75.00 2.36 -0.96	82.86 2.64 -0.05	82.64 2.25 0.00	76.02 1.85 0.00	68.16 1.40 0.00	61.47 1.38 0.00	55.02 1.18 0.00	48.55 1.09 0.00
NEWKRMKL_115KV_TB1 55635	42.47 -0.26 0.06	38.85 -0.35 0.00	36.14 -0.18 0.00	33.14 0.03 0.00	32.33 0.10 0.00	33.65 0.07 0.00	34.36 0.03 0.00	33.46 0.00 0.00	33.20 0.07 0.00	36.16 -0.11 0.59	38.87 -0.24 0.73	42.33 -0.66 0.96	44.95 -0.65 1.14	49.53 -0.77 1.24	52.49 -0.71 1.54	60.05 -0.81 1.82	69.63 -0.86 1.19	79.05 -1.04 0.08	79.35 -1.05 0.00	72.98 -1.19 0.00	65.56 -1.20 0.00	59.13 -0.96 0.00	52.87 -0.97 0.00	46.70 -0.76 0.00
NEWTON___FALLS_HYD 23847	44.42 1.63 0.00	40.62 1.41 0.00	37.53 1.20 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.56 1.24 0.00	34.53 1.07 0.00	33.86 0.73 0.00	37.63 0.77 0.00	40.71 0.88 0.00	44.96 1.01 0.00	47.63 0.89 0.00	52.77 1.24 0.00	56.00 1.26 0.00	64.32 1.63 0.00	73.83 2.15 0.00	90.16 2.97 -7.03	91.09 3.78 -6.92	88.10 3.93 -10.01	84.11 3.74 -13.62	80.00 2.94 -16.96	76.36 2.48 -20.04	55.11 1.85 -5.81
NGRID_A1_DSASP 323792	41.85 -0.94 0.00	40.11 0.90 0.00	35.74 -0.58 0.00	32.05 -1.06 0.00	30.97 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.41 -1.72 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.94 1.20 0.00	63.94 1.25 0.00	72.18 0.51 0.00	80.74 0.57 0.00	81.20 0.80 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.99 0.90 0.00	55.51 1.67 0.00	49.30 1.85 0.00
NGRID_A2_DSASP 323793	41.85 -0.94 0.00	40.11 0.90 0.00	35.74 -0.58 0.00	32.05 -1.06 0.00	30.97 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.41 -1.72 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.94 1.20 0.00	63.94 1.25 0.00	72.18 0.51 0.00	80.74 0.57 0.00	81.20 0.80 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.99 0.90 0.00	55.51 1.67 0.00	49.30 1.85 0.00
NGRID_A4_DSASP 323807	41.85 -0.94 0.00	40.11 0.90 0.00	35.74 -0.58 0.00	32.05 -1.06 0.00	30.97 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.41 -1.72 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.94 1.20 0.00	63.94 1.25 0.00	72.18 0.51 0.00	80.74 0.57 0.00	81.20 0.80 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.99 0.90 0.00	55.51 1.67 0.00	49.30 1.85 0.00
NIAGARA_115E_LBMP 323715	42.70 -0.09 0.00	39.52 0.31 0.00	36.51 0.18 0.00	32.71 -0.40 0.00	31.62 -0.61 0.00	32.68 -0.91 0.00	33.43 -0.89 0.00	31.96 -1.51 0.00	31.44 -1.69 0.00	36.01 -0.85 0.00	39.12 -0.72 0.00	44.69 0.75 0.00	47.44 0.70 0.00	52.72 1.19 0.00	56.05 1.31 0.00	64.06 1.38 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.44 1.04 0.00	75.06 0.89 0.00	68.03 1.27 0.00	61.17 1.08 0.00	55.67 1.83 0.00	48.88 1.42 0.00
NIAGARA_115W_LBMP 323714	41.72 -1.07 0.00	40.03 0.82 0.00	35.63 -0.69 0.00	31.95 -1.16 0.00	30.88 -1.35 0.00	31.91 -1.68 0.00	32.71 -1.61 0.00	31.83 -1.64 0.00	31.31 -1.82 0.00	35.82 -1.03 0.00	38.96 -0.88 0.00	44.52 0.57 0.00	47.25 0.52 0.00	52.47 0.93 0.00	55.78 1.04 0.00	63.75 1.06 0.00	71.97 0.29 0.00	80.49 0.32 0.00	80.96 0.57 0.00	74.54 0.37 0.00	67.56 0.80 0.00	60.75 0.66 0.00	55.35 1.51 0.00	49.16 1.71 0.00
NIAGARA_230_LBMP 323716	42.32 -0.47 0.00	39.83 0.63 0.00	36.11 -0.22 0.00	32.41 -0.70 0.00	31.33 -0.90 0.00	32.38 -1.21 0.00	33.16 -1.17 0.00	32.23 -1.24 0.00	31.74 -1.39 0.00	36.26 -0.59 0.00	39.43 -0.40 0.00	45.00 1.05 0.00	47.76 1.03 0.00	53.08 1.54 0.00	56.38 1.64 0.00	64.44 1.75 0.00	72.82 1.14 0.00	81.45 1.28 0.00	81.92 1.52 0.00	75.42 1.26 0.00	68.36 1.60 0.00	61.47 1.38 0.00	55.94 2.10 0.00	49.21 1.76 0.00
NIAGARA___115KV_198_GIBSON 55903	41.72 -1.07 0.00	39.67 0.47 0.00	35.64 -0.69 0.00	31.95 -1.16 0.00	30.88 -1.35 0.00	31.91 -1.68 0.00	32.71 -1.61 0.00	31.82 -1.64 0.00	31.37 -1.76 0.00	35.82 -1.03 0.00	38.96 -0.88 0.00	44.52 0.57 0.00	47.25 0.51 0.00	52.46 0.93 0.00	55.78 1.04 0.00	63.75 1.07 0.00	71.96 0.29 0.00	80.33 0.16 0.00	80.39 0.00 0.00	74.54 0.37 0.00	67.56 0.80 0.00	60.75 0.66 0.00	55.35 1.51 0.00	48.64 1.19 0.00
NIAGARA____ 23760	42.32 -0.47 0.00	39.83 0.63 0.00	36.11 -0.22 0.00	32.41 -0.70 0.00	31.33 -0.90 0.00	32.38 -1.21 0.00	33.16 -1.17 0.00	32.23 -1.24 0.00	31.74 -1.39 0.00	36.26 -0.59 0.00	39.43 -0.40 0.00	45.00 1.05 0.00	47.76 1.03 0.00	53.08 1.54 0.00	56.38 1.64 0.00	64.44 1.75 0.00	72.82 1.14 0.00	81.45 1.28 0.00	81.92 1.52 0.00	75.42 1.26 0.00	68.36 1.60 0.00	61.47 1.38 0.00	55.94 2.10 0.00	49.21 1.76 0.00
NINE_MILE_1 23575	41.59 -1.20 0.00	38.18 -1.02 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.23 -1.00 0.00	32.51 -1.08 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.78 -1.07 0.00	38.72 -1.12 0.00	42.94 -1.01 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.59 -1.15 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.48 -1.69 0.00	78.79 -1.61 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.89 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00
NINE_MILE_2 23744	41.59 -1.20 0.00	38.18 -1.02 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.23 -1.00 0.00	32.51 -1.08 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.78 -1.07 0.00	38.72 -1.12 0.00	42.94 -1.01 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.59 -1.15 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.48 -1.69 0.00	78.79 -1.61 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.89 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00
NM_CAPITAL___DRP 24208	42.55 -0.17 0.07	38.93 -0.27 0.00	36.22 -0.11 0.00	33.21 0.10 0.00	32.39 0.16 0.00	33.72 0.13 0.00	34.43 0.10 0.00	33.53 0.07 0.00	33.26 0.13 0.00	36.16 -0.04 0.65	38.87 -0.16 0.81	42.35 -0.53 1.07	44.91 -0.56 1.26	49.54 -0.62 1.38	52.43 -0.60 1.71	59.91 -0.75 2.02	69.64 -0.72 1.32	79.12 -0.96 0.09	79.43 -0.96 0.00	72.90 -1.26 0.00	65.49 -1.27 0.00	59.13 -0.96 0.00	52.87 -0.97 0.00	46.70 -0.76 0.00
NM_CENTRAL___DRP 24181	42.45 -0.34 0.00	39.09 -0.12 0.00	36.00 -0.33 0.00	32.71 -0.40 0.00	31.81 -0.42 0.00	33.15 -0.44 0.00	33.88 -0.45 0.00	33.03 -0.44 0.00	32.70 -0.43 0.00	36.52 -0.33 0.00	39.55 -0.28 0.00	43.95 0.00 0.00	46.83 0.09 0.00	51.69 0.15 0.00	54.91 0.16 0.00	62.94 0.25 0.00	71.89 0.22 0.00	80.41 0.24 0.00	80.79 0.40 0.00	74.68 0.52 0.00	67.23 0.47 0.00	60.39 0.30 0.00	54.16 0.32 0.00	47.64 0.19 0.00



NM_FRONTIER___DRP 24179	41.72 -1.07 0.00	39.67 0.47 0.00	35.64 -0.69 0.00	31.95 -1.16 0.00	30.88 -1.35 0.00	31.91 -1.68 0.00	32.71 -1.61 0.00	31.82 -1.64 0.00	31.37 -1.76 0.00	35.82 -1.03 0.00	38.96 -0.88 0.00	44.52 0.57 0.00	47.25 0.51 0.00	52.46 0.93 0.00	55.78 1.04 0.00	63.75 1.07 0.00	71.96 0.29 0.00	80.33 0.16 0.00	80.39 0.00 0.00	74.54 0.37 0.00	67.56 0.80 0.00	60.75 0.66 0.00	55.35 1.51 0.00	48.64 1.19 0.00
NM_ST_REGIS___HYD 24053	44.16 1.37 0.00	40.30 1.10 0.00	37.34 1.02 0.00	34.07 0.96 0.00	33.26 1.03 0.00	34.69 1.11 0.00	35.53 1.20 0.00	34.57 1.10 0.00	33.89 0.76 0.00	37.66 0.81 0.00	40.79 0.96 0.00	44.96 1.01 0.00	47.58 0.84 0.00	52.57 1.03 0.00	55.73 0.99 0.00	63.88 1.19 0.00	73.40 1.72 0.00	91.57 2.41 -8.99	91.98 2.73 -8.85	89.64 2.67 -12.81	86.72 2.54 -17.43	83.90 2.10 -21.71	81.21 1.72 -25.65	56.28 1.47 -7.35
NORTHPORT___1 23551	44.96 2.10 -0.08	41.09 1.88 0.00	37.82 1.49 0.00	34.30 1.19 0.00	33.88 1.64 0.00	35.36 1.78 0.00	35.91 1.58 0.00	34.97 1.51 0.00	34.98 1.85 0.00	39.90 2.29 -0.76	42.48 1.71 -0.94	45.57 0.39 -1.23	47.15 0.23 -0.18	47.16 -0.15 4.22	47.32 0.16 7.59	47.69 -0.19 14.81	53.00 0.14 18.82	60.55 0.08 19.71	66.41 -1.13 12.86	64.70 -2.08 7.39	57.81 -2.27 6.68	48.01 -1.74 10.33	46.32 -1.56 5.96	45.33 -1.00 1.13
NORTHPORT___2 23552	44.96 2.10 -0.08	41.09 1.88 0.00	37.82 1.49 0.00	34.30 1.19 0.00	33.88 1.64 0.00	35.36 1.78 0.00	35.91 1.58 0.00	34.97 1.51 0.00	34.98 1.85 0.00	39.90 2.29 -0.76	42.48 1.71 -0.94	45.57 0.39 -1.23	47.15 0.23 -0.18	47.16 -0.15 4.22	47.32 0.16 7.59	47.69 -0.19 14.81	53.00 0.14 18.82	60.55 0.08 19.71	66.41 -1.13 12.86	64.70 -2.08 7.39	57.81 -2.27 6.68	48.01 -1.74 10.33	46.32 -1.56 5.96	45.33 -1.00 1.13
NORTHPORT___3 23553	44.62 1.76 -0.08	40.77 1.57 0.00	37.52 1.20 0.00	34.07 0.96 0.00	33.59 1.35 0.00	35.06 1.48 0.00	35.63 1.30 0.00	34.74 1.27 0.00	34.79 1.66 0.00	39.67 2.06 -0.76	42.16 1.39 -0.94	45.22 0.04 -1.22	47.10 0.19 -0.17	47.10 -0.21 4.23	47.20 0.05 7.60	47.62 -0.25 14.82	52.92 0.07 18.83	60.37 -0.08 19.72	66.16 -1.37 12.87	64.61 -2.15 7.40	57.68 -2.40 6.68	47.83 -1.98 10.28	45.98 -1.94 5.93	44.91 -1.42 1.12
NORTHPORT___4 23650	44.62 1.76 -0.08	40.77 1.57 0.00	37.52 1.20 0.00	34.07 0.96 0.00	33.59 1.35 0.00	35.06 1.48 0.00	35.63 1.30 0.00	34.74 1.27 0.00	34.79 1.66 0.00	39.67 2.06 -0.76	42.16 1.39 -0.94	45.22 0.04 -1.22	47.10 0.19 -0.17	47.10 -0.21 4.23	47.20 0.05 7.60	47.62 -0.25 14.82	52.92 0.07 18.83	60.37 -0.08 19.72	66.16 -1.37 12.87	64.61 -2.15 7.40	57.68 -2.40 6.68	47.83 -1.98 10.28	45.98 -1.94 5.93	44.91 -1.42 1.12
NORTHPORT___IC 23718	44.75 1.88 -0.08	41.05 1.84 0.00	37.82 1.49 0.00	34.30 1.19 0.00	33.88 1.64 0.00	35.37 1.78 0.00	35.91 1.58 0.00	34.97 1.51 0.00	34.99 1.86 0.00	39.90 2.28 -0.76	42.48 1.71 -0.94	45.53 0.35 -1.23	47.15 0.23 -0.18	47.16 -0.15 4.22	47.31 0.16 7.59	47.69 -0.19 14.81	53.00 0.14 18.82	60.63 0.16 19.71	66.57 -0.96 12.86	64.70 -2.08 7.39	57.81 -2.27 6.68	48.01 -1.74 10.33	46.32 -1.56 5.96	45.28 -1.04 1.13
NORTH___COUNTRY_ESR 323785	43.56 0.77 0.00	39.79 0.59 0.00	36.87 0.55 0.00	33.67 0.56 0.00	32.78 0.55 0.00	34.22 0.64 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.59 0.46 0.00	37.37 0.52 0.00	40.43 0.60 0.00	44.56 0.61 0.00	47.07 0.33 0.00	51.90 0.36 0.00	55.07 0.33 0.00	63.07 0.38 0.00	72.32 0.64 0.00	82.59 1.04 -1.38	82.95 1.21 -1.35	77.16 1.04 -1.96	70.43 1.00 -2.67	64.07 0.66 -3.32	58.09 0.33 -3.92	48.40 0.33 -0.61
NPX_GEN_1385_PROXY 323591	44.38 1.71 0.13	41.13 1.72 -0.20	37.67 1.34 0.00	34.30 1.19 0.00	33.88 1.64 0.00	35.36 1.78 0.00	35.17 1.68 0.84	35.68 1.37 -0.84	34.79 1.66 0.00	39.53 1.92 -0.76	41.08 0.95 -0.29	43.52 -0.44 -0.01	46.31 -0.61 -0.18	46.39 -0.93 4.22	46.77 -0.38 7.59	47.63 -0.25 14.81	53.36 0.51 18.82	60.95 0.48 19.71	66.81 -0.72 12.86	65.07 -1.70 7.39	58.14 -1.94 6.68	48.68 -1.08 10.33	46.11 -1.78 5.96	45.00 -1.33 1.13
NPX_GEN_CSC 323557	44.85 2.18 0.13	41.25 1.84 -0.20	37.71 1.38 0.00	34.16 1.06 0.00	33.78 1.55 0.00	35.30 1.71 0.00	34.90 1.41 0.84	35.64 1.34 -0.84	34.85 1.72 0.00	39.86 2.25 -0.76	42.72 1.95 -0.94	45.93 0.75 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	65.97 0.94 -2.34	74.78 1.57 -1.53	82.10 1.92 0.00	80.95 0.57 0.01	73.41 -0.74 0.01	64.72 -1.20 0.84	49.01 -0.90 10.17	46.84 -1.13 5.87	45.58 -0.76 1.11
NSINS_S_GLNS_FALLS 23858	44.39 1.67 0.07	40.73 1.53 0.00	37.71 1.38 0.00	34.46 1.36 0.00	33.52 1.29 0.00	35.00 1.41 0.00	35.70 1.37 0.00	34.70 1.24 0.00	34.29 1.16 0.00	37.26 1.07 0.66	39.77 0.76 0.82	43.34 0.48 1.09	46.11 0.65 1.28	50.81 0.67 1.40	53.94 0.93 1.74	62.07 1.44 2.06	72.27 1.94 1.34	82.73 2.65 0.09	84.49 4.10 0.00	78.24 4.08 0.00	70.30 3.54 0.00	63.27 3.18 0.00	56.48 2.64 0.00	49.45 1.99 0.00
NUCOR_STEEL___DRP 24197	43.13 0.34 0.00	39.75 0.55 0.00	36.51 0.18 0.00	33.17 0.07 0.00	32.23 0.00 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.50 0.03 0.00	33.10 -0.03 0.00	36.96 0.11 0.00	40.07 0.24 0.00	44.61 0.66 0.00	47.53 0.79 0.00	52.57 1.03 0.00	55.84 1.09 0.00	64.07 1.38 0.00	73.18 1.51 0.00	82.02 1.84 0.00	82.48 2.09 0.00	76.32 2.15 0.00	68.83 2.07 0.00	61.77 1.68 0.00	55.40 1.56 0.00	48.59 1.14 0.00
NUMBER_THREE_WT_PWR 323818	44.72 1.93 0.00	40.93 1.72 0.00	37.78 1.45 0.00	34.43 1.33 0.00	33.55 1.32 0.00	34.96 1.38 0.00	35.70 1.37 0.00	34.67 1.20 0.00	33.99 0.86 0.00	37.78 0.92 0.00	40.87 1.03 0.00	45.09 1.14 0.00	47.91 1.17 0.00	53.14 1.60 0.00	56.49 1.75 0.00	64.88 2.19 0.00	74.47 2.79 0.00	86.81 3.61 -3.03	88.12 4.74 -2.98	83.45 4.97 -4.32	77.30 4.67 -5.87	70.83 3.42 -7.32	65.28 2.80 -8.64	51.86 1.90 -2.51
NYISO_LBMP_REFERENCE 24008	42.79 0.00 0.00	39.20 0.00 0.00	36.33 0.00 0.00	33.11 0.00 0.00	32.23 0.00 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.46 0.00 0.00	33.13 0.00 0.00	36.85 0.00 0.00	39.83 0.00 0.00	43.95 0.00 0.00	46.74 0.00 0.00	51.54 0.00 0.00	54.74 0.00 0.00	62.69 0.00 0.00	71.68 0.00 0.00	80.17 0.00 0.00	80.39 0.00 0.00	74.16 0.00 0.00	66.76 0.00 0.00	60.09 0.00 0.00	53.84 0.00 0.00	47.45 0.00 0.00
NYPA_BRENTWD____GT 24164	45.65 2.78 -0.08	41.64 2.43 0.00	38.25 1.92 0.00	34.69 1.59 0.00	34.26 2.03 0.00	35.80 2.22 0.00	36.32 1.99 0.00	35.37 1.91 0.00	35.38 2.25 0.00	40.38 2.77 -0.76	43.20 2.43 -0.94	46.45 1.28 -1.23	49.00 1.31 -0.96	54.20 1.08 -1.58	58.25 1.53 -1.97	66.21 1.19 -2.34	75.00 1.79 -1.53	82.18 2.01 -0.01	81.11 0.72 0.01	73.71 -0.44 0.01	65.34 -0.60 0.82	49.75 -0.36 9.98	47.65 -0.43 5.76	46.27 -0.09 1.09



NYPA_GOWANUS____GT5 24156	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.08 -0.07 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NYPA_GOWANUS____GT6 24157	44.80 1.93 -0.09	40.74 1.53 -0.01	37.79 1.45 -0.01	34.44 1.33 -0.01	33.63 1.39 -0.01	35.04 1.44 -0.01	35.98 1.65 -0.01	35.14 1.67 -0.01	35.13 1.99 -0.01	39.68 2.06 -0.77	43.00 2.23 -0.94	47.26 2.07 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.08 -0.07 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.69 1.23 -0.01
NYPA_HARLEM__RVR__GT1 24160	44.50 1.63 -0.09	40.47 1.25 -0.01	37.53 1.20 -0.01	34.24 1.13 -0.01	33.43 1.19 -0.01	34.84 1.24 -0.01	35.81 1.48 -0.01	34.98 1.51 -0.01	34.93 1.79 -0.01	39.46 1.84 -0.77	42.73 1.95 -0.94	47.04 1.85 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	57.87 1.15 -1.97	65.84 0.81 -2.34	74.86 1.65 -1.53	81.64 1.36 -0.10	80.31 -0.08 0.00	73.64 -0.52 0.01	65.95 -0.80 0.01	59.72 -0.36 0.01	54.70 0.86 0.00	48.51 1.04 -0.01
NYPA_HARLEM__RVR__GT2 24161	44.50 1.63 -0.09	40.47 1.25 -0.01	37.53 1.20 -0.01	34.24 1.13 -0.01	33.43 1.19 -0.01	34.84 1.24 -0.01	35.81 1.48 -0.01	34.98 1.51 -0.01	34.93 1.79 -0.01	39.46 1.84 -0.77	42.73 1.95 -0.94	47.04 1.85 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	57.87 1.15 -1.97	65.84 0.81 -2.34	74.86 1.65 -1.53	81.64 1.36 -0.10	80.31 -0.08 0.00	73.64 -0.52 0.01	65.95 -0.80 0.01	59.72 -0.36 0.01	54.70 0.86 0.00	48.51 1.04 -0.01
NYPA_KENT____GT 24152	44.71 1.84 -0.09	40.66 1.45 -0.01	37.71 1.38 -0.01	34.40 1.29 -0.01	33.59 1.35 -0.01	35.00 1.41 -0.01	35.95 1.61 -0.01	35.11 1.64 -0.01	35.09 1.95 -0.01	39.64 2.03 -0.77	42.96 2.19 -0.94	47.22 2.02 -1.25	50.26 2.05 -1.47	54.98 1.85 -1.60	58.31 1.59 -1.98	66.21 1.19 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.65 0.81 0.00	48.60 1.14 -0.01
NYPA_POUCH1____GT 24155	44.71 1.84 -0.09	40.66 1.45 -0.01	37.71 1.38 -0.01	34.37 1.26 -0.01	33.56 1.32 -0.01	34.94 1.34 -0.01	35.88 1.55 -0.01	35.05 1.57 -0.01	35.03 1.89 -0.01	39.57 1.95 -0.77	42.88 2.11 -0.94	47.08 1.89 -1.25	49.98 1.78 -1.47	50.79 1.54 2.30	50.60 1.26 5.40	60.17 0.81 3.33	69.18 1.57 4.07	71.49 1.36 10.05	65.02 0.00 15.38	58.43 -0.44 15.29	51.32 -0.73 14.70	49.47 -0.30 10.32	49.29 0.54 5.09	48.56 1.09 -0.01
NYPA_VERNON____GT2 24162	44.63 1.76 -0.09	40.58 1.37 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.56 1.32 -0.01	34.94 1.34 -0.01	35.92 1.58 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.61 2.11 -0.77	42.88 2.11 -0.94	47.17 1.98 -1.25	50.26 2.05 -1.47	54.93 1.80 -1.60	58.25 1.53 -1.98	66.28 1.25 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.88 0.49 0.00	74.23 0.07 0.01	66.42 -0.33 0.01	60.14 0.06 0.01	54.60 0.75 0.00	48.56 1.09 -0.01
NYPA_VERNON____GT3 24163	44.63 1.76 -0.09	40.58 1.37 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.56 1.32 -0.01	34.94 1.34 -0.01	35.92 1.58 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.61 2.11 -0.77	42.88 2.11 -0.94	47.17 1.98 -1.25	50.26 2.05 -1.47	54.93 1.80 -1.60	58.25 1.53 -1.98	66.28 1.25 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.88 0.49 0.00	74.23 0.07 0.01	66.42 -0.33 0.01	60.14 0.06 0.01	54.60 0.75 0.00	48.56 1.09 -0.01
NYPA____ASTORIA_CC1 323568	44.59 1.71 -0.09	40.55 1.33 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.53 1.29 -0.01	34.94 1.34 -0.01	35.88 1.55 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.57 1.95 -0.77	42.85 2.07 -0.94	47.13 1.93 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	58.14 1.42 -1.98	66.15 1.13 -2.34	75.00 1.79 -1.53	81.88 1.60 -0.10	80.63 0.24 0.00	74.01 -0.15 0.01	66.22 -0.54 0.01	59.96 -0.12 0.01	54.54 0.70 0.00	48.51 1.04 -0.01
NYPA____ASTORIA_CC2 323569	44.59 1.71 -0.09	40.55 1.33 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.53 1.29 -0.01	34.94 1.34 -0.01	35.88 1.55 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.57 1.95 -0.77	42.85 2.07 -0.94	47.13 1.93 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	58.14 1.42 -1.98	66.15 1.13 -2.34	75.00 1.79 -1.53	81.88 1.60 -0.10	80.63 0.24 0.00	74.01 -0.15 0.01	66.22 -0.54 0.01	59.96 -0.12 0.01	54.54 0.70 0.00	48.51 1.04 -0.01
NYPA____HOLTSVILL 23794	45.22 2.35 -0.08	41.28 2.08 0.00	37.92 1.60 0.00	34.40 1.29 0.00	33.97 1.74 0.00	35.50 1.91 0.00	36.01 1.68 0.00	35.07 1.61 0.00	35.08 1.95 0.00	40.08 2.47 -0.76	42.88 2.11 -0.94	46.06 0.88 -1.23	48.57 0.89 -0.95	53.69 0.57 -1.58	57.75 1.04 -1.97	65.78 0.75 -2.34	74.50 1.29 -1.53	81.62 1.44 0.00	80.55 0.16 0.01	73.18 -0.97 0.01	64.59 -1.33 0.84	49.00 -0.90 10.19	47.00 -0.97 5.87	45.72 -0.62 1.11
NYPA____HELLGATE_GT1 24158	44.50 1.63 -0.09	40.47 1.25 -0.01	37.53 1.20 -0.01	34.24 1.13 -0.01	33.43 1.19 -0.01	34.84 1.24 -0.01	35.81 1.48 -0.01	34.98 1.51 -0.01	34.93 1.79 -0.01	39.46 1.84 -0.77	42.73 1.95 -0.94	47.04 1.85 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	57.87 1.15 -1.97	65.84 0.81 -2.34	74.86 1.65 -1.53	81.64 1.36 -0.10	80.31 -0.08 0.00	73.64 -0.52 0.01	65.95 -0.80 0.01	59.72 -0.36 0.01	54.70 0.86 0.00	48.51 1.04 -0.01
NYPA____HELLGATE_GT2 24159	44.50 1.63 -0.09	40.47 1.25 -0.01	37.53 1.20 -0.01	34.24 1.13 -0.01	33.43 1.19 -0.01	34.84 1.24 -0.01	35.81 1.48 -0.01	34.98 1.51 -0.01	34.93 1.79 -0.01	39.46 1.84 -0.77	42.73 1.95 -0.94	47.04 1.85 -1.25	50.17 1.96 -1.47	54.89 1.75 -1.60	57.87 1.15 -1.97	65.84 0.81 -2.34	74.86 1.65 -1.53	81.64 1.36 -0.10	80.31 -0.08 0.00	73.64 -0.52 0.01	65.95 -0.80 0.01	59.72 -0.36 0.01	54.70 0.86 0.00	48.51 1.04 -0.01
NYS_BARGE__HYD 23848	43.09 0.30 0.00	40.11 0.90 0.00	36.80 0.47 0.00	32.94 -0.16 0.00	31.85 -0.39 0.00	32.95 -0.64 0.00	33.71 -0.62 0.00	32.43 -1.04 0.00	31.87 -1.26 0.00	36.52 -0.33 0.00	39.71 -0.12 0.00	45.31 1.36 0.00	48.14 1.40 0.00	53.49 1.96 0.00	56.87 2.13 0.00	65.01 2.32 0.00	73.47 1.79 0.00	82.34 2.17 0.00	82.80 2.41 0.00	76.32 2.15 0.00	69.16 2.40 0.00	62.13 2.04 0.00	56.53 2.69 0.00	49.59 2.14 0.00
OAK ORCHARD__HYD 24046	43.09 0.30 0.00	40.07 0.86 0.00	36.62 0.29 0.00	32.97 -0.13 0.00	31.94 -0.29 0.00	33.22 -0.37 0.00	33.95 -0.38 0.00	33.10 -0.37 0.00	32.60 -0.53 0.00	37.04 0.19 0.00	40.27 0.44 0.00	45.53 1.58 0.00	48.47 1.73 0.00	53.86 2.32 0.00	57.21 2.47 0.00	65.51 2.82 0.00	74.40 2.72 0.00	83.38 3.21 0.00	83.85 3.45 0.00	77.21 3.04 0.00	69.90 3.14 0.00	62.61 2.52 0.00	56.43 2.58 0.00	49.40 1.95 0.00



OAKDALE___35_KV_LOAD 356122	43.05 0.26 0.00	39.75 0.55 0.00	36.54 0.22 0.00	33.17 0.07 0.00	32.26 0.03 0.00	33.52 -0.07 0.00	34.29 -0.03 0.00	33.46 0.00 0.00	33.16 0.03 0.00	37.08 0.22 0.00	40.15 0.32 0.00	44.69 0.75 0.00	47.63 0.89 0.00	52.62 1.08 0.00	55.95 1.20 0.00	64.07 1.38 0.00	72.97 1.29 0.00	81.62 1.44 0.00	81.84 1.45 0.00	75.80 1.63 0.00	68.30 1.54 0.00	61.35 1.26 0.00	55.19 1.35 0.00	48.50 1.04 0.00
OCC_CHEM___DRP 24175	41.85 -0.94 0.00	39.79 0.59 0.00	35.75 -0.58 0.00	32.05 -1.06 0.00	30.98 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.47 -1.66 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.95 1.20 0.00	63.94 1.25 0.00	72.18 0.50 0.00	80.65 0.48 0.00	80.71 0.32 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.93 0.84 0.00	55.51 1.67 0.00	48.83 1.38 0.00
OH_GEN_PROXY 24063	42.08 -0.51 0.20	40.00 0.59 -0.20	36.07 -0.25 0.00	32.38 -0.73 0.00	31.30 -0.94 0.00	32.34 -1.24 0.00	32.32 -1.17 0.84	33.10 -1.20 -0.84	31.77 -1.36 0.00	36.30 -0.55 0.00	39.47 -0.36 0.00	45.05 1.10 0.00	47.81 1.08 0.00	53.08 1.54 0.00	56.44 1.70 0.00	64.51 1.82 0.00	72.89 1.22 0.00	81.53 1.36 0.00	82.00 1.61 0.00	75.57 1.41 0.00	68.43 1.67 0.00	61.53 1.44 0.00	55.94 2.10 0.00	49.16 1.71 0.00
OLIN_CORP_DRP 24177	42.70 -0.09 0.00	40.62 1.41 0.00	36.51 0.18 0.00	32.71 -0.40 0.00	31.62 -0.61 0.00	32.68 -0.91 0.00	33.43 -0.89 0.00	32.03 -1.44 0.00	31.61 -1.52 0.00	36.08 -0.77 0.00	39.23 -0.60 0.00	44.83 0.88 0.00	47.58 0.84 0.00	52.83 1.29 0.00	56.16 1.42 0.00	64.19 1.50 0.00	72.54 0.86 0.00	81.05 0.88 0.00	81.12 0.72 0.00	75.28 1.11 0.00	68.16 1.40 0.00	61.29 1.20 0.00	55.78 1.94 0.00	49.50 2.04 0.00
OLIN_CORP_DSASP 323712	41.85 -0.94 0.00	40.11 0.90 0.00	35.74 -0.58 0.00	32.05 -1.06 0.00	30.97 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.41 -1.72 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.94 1.20 0.00	63.94 1.25 0.00	72.18 0.51 0.00	80.74 0.57 0.00	81.20 0.80 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.99 0.90 0.00	55.51 1.67 0.00	49.30 1.85 0.00
ONEIDA_HERK_LFGE 323681	44.16 1.37 0.00	40.42 1.22 0.00	37.38 1.05 0.00	34.07 0.96 0.00	33.17 0.94 0.00	34.56 0.97 0.00	35.32 1.00 0.00	34.37 0.90 0.00	33.83 0.70 0.00	37.63 0.78 0.00	40.75 0.92 0.00	45.00 1.05 0.00	47.81 1.08 0.00	52.98 1.44 0.00	56.33 1.59 0.00	64.63 1.95 0.00	74.04 2.36 0.00	84.43 2.88 -1.38	85.37 3.62 -1.36	79.76 3.63 -1.96	72.76 3.34 -2.67	66.05 2.64 -3.32	59.98 2.21 -3.93	50.16 1.56 -1.14
ONEIDA___115KV_TB4 55905	44.03 1.24 0.00	40.38 1.18 0.00	37.27 0.94 0.00	33.90 0.79 0.00	33.01 0.77 0.00	34.39 0.81 0.00	35.12 0.79 0.00	34.20 0.74 0.00	33.69 0.56 0.00	37.52 0.66 0.00	40.67 0.84 0.00	45.00 1.05 0.00	47.86 1.12 0.00	53.03 1.49 0.00	56.38 1.64 0.00	64.76 2.07 0.00	74.11 2.44 0.00	83.55 2.81 -0.58	84.34 3.38 -0.57	78.40 3.41 -0.82	71.08 3.20 -1.12	64.12 2.64 -1.39	57.75 2.26 -1.64	49.64 1.71 -0.48
ONONDAGA_REF_OCCRA 23987	42.62 -0.17 0.00	39.20 0.00 0.00	36.11 -0.22 0.00	32.84 -0.26 0.00	31.94 -0.29 0.00	33.25 -0.34 0.00	33.98 -0.34 0.00	33.16 -0.30 0.00	32.80 -0.33 0.00	36.63 -0.22 0.00	39.67 -0.16 0.00	44.03 0.09 0.00	46.97 0.23 0.00	51.85 0.31 0.00	55.07 0.33 0.00	63.19 0.50 0.00	72.18 0.50 0.00	80.81 0.64 0.00	81.20 0.80 0.00	75.05 0.89 0.00	67.63 0.87 0.00	60.69 0.60 0.00	54.43 0.59 0.00	47.83 0.38 0.00
ONONDAGA___COGEN 23986	42.70 -0.09 0.00	39.28 0.08 0.00	36.18 -0.15 0.00	32.87 -0.23 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.23 -0.23 0.00	32.86 -0.27 0.00	36.71 -0.15 0.00	39.75 -0.08 0.00	44.17 0.22 0.00	47.06 0.33 0.00	52.00 0.46 0.00	55.23 0.49 0.00	63.38 0.69 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.36 0.96 0.00	75.20 1.04 0.00	67.69 0.93 0.00	60.81 0.72 0.00	54.54 0.70 0.00	47.93 0.47 0.00
ONTARIO___LFGE 23819	43.60 0.81 0.00	40.34 1.14 0.00	36.91 0.58 0.00	33.40 0.30 0.00	32.39 0.16 0.00	33.72 0.13 0.00	34.53 0.21 0.00	33.67 0.20 0.00	33.16 0.03 0.00	37.30 0.44 0.00	40.43 0.60 0.00	45.40 1.45 0.00	48.23 1.50 0.00	53.44 1.91 0.00	56.82 2.08 0.00	65.26 2.57 0.00	74.33 2.65 0.00	83.54 3.37 0.00	84.33 3.94 0.00	78.02 3.85 0.00	70.43 3.67 0.00	63.09 3.00 0.00	56.69 2.85 0.00	49.54 2.09 0.00
ORANGEVILLE_WT_PWR 323706	43.26 0.47 0.00	40.42 1.22 0.00	36.80 0.47 0.00	33.11 0.00 0.00	32.01 -0.22 0.00	33.15 -0.44 0.00	33.95 -0.38 0.00	32.96 -0.50 0.00	32.37 -0.76 0.00	36.82 -0.04 0.00	39.95 0.12 0.00	45.44 1.50 0.00	48.33 1.59 0.00	53.54 2.01 0.00	56.99 2.25 0.00	65.13 2.44 0.00	73.76 2.08 0.00	82.74 2.56 0.00	83.37 2.98 0.00	77.35 3.19 0.00	70.03 3.27 0.00	62.85 2.77 0.00	56.96 3.12 0.00	49.87 2.42 0.00
ORANGEVILLE___ESR 323794	43.26 0.47 0.00	40.42 1.22 0.00	36.80 0.47 0.00	33.11 0.00 0.00	32.01 -0.22 0.00	33.15 -0.44 0.00	33.95 -0.38 0.00	32.96 -0.50 0.00	32.37 -0.76 0.00	36.82 -0.04 0.00	39.95 0.12 0.00	45.44 1.50 0.00	48.33 1.59 0.00	53.54 2.01 0.00	56.99 2.25 0.00	65.13 2.44 0.00	73.76 2.08 0.00	82.74 2.56 0.00	83.37 2.98 0.00	77.35 3.19 0.00	70.03 3.27 0.00	62.85 2.77 0.00	56.96 3.12 0.00	49.87 2.42 0.00
OSWEGATCHIE___HYD 24044	44.42 1.63 0.00	40.58 1.37 0.00	37.52 1.20 0.00	34.20 1.09 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.56 1.23 0.00	34.53 1.07 0.00	33.86 0.73 0.00	37.63 0.78 0.00	40.71 0.88 0.00	44.96 1.01 0.00	47.62 0.89 0.00	52.77 1.23 0.00	56.00 1.26 0.00	64.31 1.63 0.00	73.83 2.15 0.00	90.17 2.97 -7.03	91.09 3.78 -6.92	88.10 3.93 -10.01	84.11 3.74 -13.62	79.99 2.94 -16.96	76.36 2.48 -20.04	55.11 1.85 -5.81
OSWEGO___5 23606	41.93 -0.86 0.00	38.54 -0.67 0.00	35.56 -0.76 0.00	32.35 -0.76 0.00	31.46 -0.77 0.00	32.78 -0.81 0.00	33.50 -0.82 0.00	32.66 -0.80 0.00	32.30 -0.83 0.00	36.04 -0.81 0.00	39.04 -0.80 0.00	43.29 -0.66 0.00	46.08 -0.65 0.00	50.87 -0.67 0.00	54.03 -0.71 0.00	61.94 -0.75 0.00	70.67 -1.00 0.00	79.13 -1.04 0.00	79.51 -0.88 0.00	73.35 -0.81 0.00	66.09 -0.67 0.00	59.43 -0.66 0.00	53.30 -0.54 0.00	46.89 -0.57 0.00
OSWEGO___6 23613	41.93 -0.86 0.00	38.54 -0.67 0.00	35.56 -0.76 0.00	32.35 -0.76 0.00	31.46 -0.77 0.00	32.78 -0.81 0.00	33.50 -0.82 0.00	32.66 -0.80 0.00	32.30 -0.83 0.00	36.04 -0.81 0.00	39.04 -0.80 0.00	43.29 -0.66 0.00	46.08 -0.65 0.00	50.87 -0.67 0.00	54.03 -0.71 0.00	61.94 -0.75 0.00	70.67 -1.00 0.00	79.13 -1.04 0.00	79.51 -0.88 0.00	73.35 -0.81 0.00	66.09 -0.67 0.00	59.43 -0.66 0.00	53.30 -0.54 0.00	46.89 -0.57 0.00



OUTOKUMPU-AB___DRP 24206	43.18 0.39 0.00	40.97 1.76 0.00	36.80 0.47 0.00	32.94 -0.17 0.00	31.85 -0.39 0.00	32.95 -0.64 0.00	33.74 -0.58 0.00	32.73 -0.74 0.00	32.30 -0.83 0.00	36.93 0.07 0.00	40.19 0.36 0.00	45.92 1.98 0.00	48.79 2.06 0.00	54.22 2.68 0.00	57.70 2.96 0.00	65.76 3.07 0.00	74.26 2.58 0.00	83.06 2.89 0.00	83.05 2.65 0.00	77.06 2.89 0.00	69.76 3.00 0.00	62.85 2.76 0.00	57.13 3.28 0.00	50.21 2.75 0.00
OXBOW___BTM 323836	42.62 -0.17 0.00	40.50 1.29 0.00	36.33 0.00 0.00	32.54 -0.56 0.00	31.46 -0.77 0.00	32.54 -1.04 0.00	33.33 -1.00 0.00	32.39 -1.07 0.00	31.87 -1.26 0.00	36.52 -0.33 0.00	39.71 -0.12 0.00	45.44 1.50 0.00	48.23 1.50 0.00	53.60 2.06 0.00	56.99 2.25 0.00	65.07 2.38 0.00	73.47 1.79 0.00	82.25 2.08 0.00	82.64 2.25 0.00	76.17 2.00 0.00	68.96 2.20 0.00	62.07 1.98 0.00	56.48 2.64 0.00	49.87 2.42 0.00
OXBOW___ 24026	42.62 -0.17 0.00	40.46 1.25 0.00	36.33 0.00 0.00	32.54 -0.56 0.00	31.46 -0.77 0.00	32.54 -1.04 0.00	33.33 -1.00 0.00	32.39 -1.07 0.00	31.94 -1.19 0.00	36.52 -0.33 0.00	39.71 -0.12 0.00	45.44 1.49 0.00	48.23 1.50 0.00	53.60 2.06 0.00	56.99 2.24 0.00	65.07 2.38 0.00	73.47 1.79 0.00	82.10 1.92 0.00	82.08 1.69 0.00	76.17 2.00 0.00	68.96 2.20 0.00	62.07 1.98 0.00	56.48 2.64 0.00	49.64 2.18 0.00
OXY_CHEM_DSASP 323612	41.85 -0.94 0.00	39.79 0.59 0.00	35.75 -0.58 0.00	32.05 -1.06 0.00	30.98 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.47 -1.66 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.95 1.20 0.00	63.94 1.25 0.00	72.18 0.50 0.00	80.65 0.48 0.00	80.71 0.32 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.93 0.84 0.00	55.51 1.67 0.00	48.83 1.38 0.00
OZONE_PARK_ESR 323760	44.84 1.97 -0.08	40.69 1.49 0.00	37.78 1.45 0.00	34.46 1.36 0.00	33.65 1.42 0.00	35.06 1.48 0.00	36.08 1.75 0.00	35.24 1.77 0.00	35.22 2.09 0.00	39.79 2.17 -0.76	43.08 2.31 -0.94	47.38 2.20 -1.24	50.59 2.38 -1.47	55.40 2.27 -1.60	59.13 2.41 -1.98	67.48 2.44 -2.35	76.22 3.01 -1.53	83.40 3.13 -0.10	82.56 2.17 0.00	75.57 1.41 0.00	67.56 0.80 0.00	61.17 1.08 0.00	54.97 1.13 0.00	48.74 1.28 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	41.85 -0.94 0.00	39.79 0.59 0.00	35.75 -0.58 0.00	32.05 -1.06 0.00	30.98 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.47 -1.66 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.95 1.20 0.00	63.94 1.25 0.00	72.18 0.50 0.00	80.65 0.48 0.00	80.71 0.32 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.93 0.84 0.00	55.51 1.67 0.00	48.83 1.38 0.00
PACKARD___115KV_DUPONT_184 80571	41.85 -0.94 0.00	39.79 0.59 0.00	35.75 -0.58 0.00	32.05 -1.06 0.00	30.98 -1.26 0.00	32.01 -1.58 0.00	32.82 -1.51 0.00	31.89 -1.57 0.00	31.47 -1.66 0.00	35.93 -0.92 0.00	39.07 -0.76 0.00	44.69 0.75 0.00	47.39 0.65 0.00	52.67 1.13 0.00	55.95 1.20 0.00	63.94 1.25 0.00	72.18 0.50 0.00	80.65 0.48 0.00	80.71 0.32 0.00	74.76 0.59 0.00	67.76 1.00 0.00	60.93 0.84 0.00	55.51 1.67 0.00	48.83 1.38 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	44.54 1.67 -0.08	40.46 1.25 0.00	37.60 1.27 0.00	34.30 1.19 0.00	33.49 1.26 0.00	34.90 1.31 0.00	35.84 1.51 0.00	34.97 1.51 0.00	34.89 1.76 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	46.99 1.80 -1.24	50.12 1.92 -1.47	54.68 1.55 -1.60	57.93 1.20 -1.98	65.91 0.88 -2.35	74.93 1.72 -1.53	81.80 1.52 -0.10	80.63 0.24 0.00	73.79 -0.37 0.00	66.09 -0.67 0.00	59.85 -0.24 0.00	54.70 0.86 0.00	48.50 1.04 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	45.18 2.31 -0.08	41.09 1.88 0.00	38.18 1.85 0.00	34.83 1.72 0.00	34.00 1.77 0.00	35.47 1.88 0.00	36.42 2.09 0.00	35.54 2.07 0.00	35.45 2.32 0.00	40.01 2.40 -0.76	43.32 2.55 -0.94	47.69 2.50 -1.24	50.91 2.71 -1.47	55.55 2.42 -1.60	58.86 2.13 -1.98	67.04 2.01 -2.35	76.29 3.08 -1.53	83.40 3.13 -0.10	82.16 1.77 0.00	75.28 1.11 0.00	67.29 0.53 0.00	60.93 0.84 0.00	55.73 1.88 0.00	49.35 1.90 0.00
PATROON___115KV_TB1 80586	42.60 -0.13 0.06	39.01 -0.20 0.00	36.25 -0.07 0.00	33.24 0.13 0.00	32.43 0.19 0.00	33.75 0.17 0.00	34.46 0.14 0.00	33.56 0.10 0.00	33.30 0.17 0.00	36.25 0.00 0.61	38.96 -0.12 0.75	42.47 -0.48 0.99	45.10 -0.47 1.17	49.69 -0.57 1.28	52.66 -0.49 1.58	60.25 -0.56 1.88	69.88 -0.57 1.23	79.37 -0.72 0.08	79.75 -0.64 0.00	73.27 -0.89 0.00	65.76 -1.00 0.00	59.37 -0.72 0.00	53.09 -0.75 0.00	46.84 -0.62 0.00
PATTRSNVILLE___SOLAR 323815	44.02 1.28 0.05	40.34 1.14 0.00	37.38 1.05 0.00	34.13 1.03 0.00	33.23 1.00 0.00	34.63 1.04 0.00	35.32 1.00 0.00	34.30 0.84 0.00	33.76 0.63 0.00	36.77 0.41 0.49	39.43 0.20 0.61	43.14 0.00 0.80	45.83 0.05 0.95	50.55 0.05 1.03	53.68 0.22 1.28	61.67 0.50 1.52	71.61 0.93 0.99	81.63 1.52 0.07	82.64 2.25 0.00	76.61 2.44 0.00	68.90 2.14 0.00	62.07 1.98 0.00	55.51 1.67 0.00	48.83 1.38 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	43.18 0.39 0.00	40.81 1.61 0.00	36.73 0.40 0.00	32.97 -0.13 0.00	31.88 -0.35 0.00	32.95 -0.64 0.00	33.78 -0.55 0.00	32.93 -0.54 0.00	32.57 -0.56 0.00	37.15 0.29 0.00	40.43 0.60 0.00	46.14 2.20 0.00	49.12 2.38 0.00	54.53 2.99 0.00	58.08 3.34 0.00	66.45 3.76 0.00	75.05 3.37 0.00	83.94 3.77 0.00	83.93 3.54 0.00	77.95 3.78 0.00	70.43 3.67 0.00	63.21 3.12 0.00	57.40 3.55 0.00	50.25 2.80 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	44.40 1.54 -0.07	40.38 1.18 0.00	37.49 1.16 0.00	34.17 1.06 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.73 1.41 0.00	34.80 1.34 0.00	34.72 1.59 0.00	39.18 1.66 -0.67	42.49 1.83 -0.83	46.80 1.76 -1.09	49.99 1.96 -1.29	54.90 1.96 -1.41	58.63 2.13 -1.75	67.08 2.32 -2.07	75.75 2.72 -1.35	83.07 2.81 -0.09	82.72 2.33 0.00	75.80 1.63 0.00	67.96 1.20 0.00	61.35 1.26 0.00	54.92 1.08 0.00	48.45 1.00 0.00
PEEKSKILL___ 23653	43.98 1.11 -0.08	40.03 0.82 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.39 1.07 0.00	34.57 1.10 0.00	34.52 1.39 0.00	39.00 1.40 -0.74	42.22 1.47 -0.92	46.44 1.28 -1.22	49.58 1.40 -1.44	54.39 1.29 -1.57	58.05 1.37 -1.94	66.31 1.32 -2.30	74.83 1.65 -1.50	81.79 1.52 -0.10	81.11 0.72 0.00	74.54 0.37 0.00	66.76 0.00 0.00	60.33 0.24 0.00	54.11 0.27 0.00	47.93 0.47 0.00
PGE MADISON___WINDPWR 24146	46.17 3.38 0.00	42.34 3.14 0.00	38.94 2.62 0.00	35.39 2.28 0.00	34.45 2.22 0.00	35.90 2.32 0.00	36.69 2.37 0.00	35.81 2.34 0.00	35.05 1.92 0.00	39.10 2.25 0.00	42.42 2.59 0.00	47.20 3.25 0.00	50.20 3.46 0.00	55.97 4.43 0.00	59.61 4.87 0.00	68.52 5.83 0.00	78.41 6.74 0.00	88.19 8.02 0.00	89.79 9.40 0.00	83.21 9.04 0.00	75.10 8.34 0.00	67.17 7.09 0.00	60.14 6.30 0.00	52.34 4.89 0.00



PIERCEFIELD___HYD 23852	44.03 1.24 0.00	40.22 1.02 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.63 1.04 0.00	35.46 1.13 0.00	34.47 1.00 0.00	33.79 0.66 0.00	37.55 0.70 0.00	40.63 0.80 0.00	44.83 0.88 0.00	47.44 0.70 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.75 1.07 0.00	73.18 1.51 0.00	92.72 2.16 -10.38	93.10 2.49 -10.22	91.40 2.45 -14.78	89.28 2.40 -20.12	87.20 2.04 -25.07	85.23 1.78 -29.61	57.51 1.47 -8.58
PINELAWN_CC_1 323563	45.39 2.52 -0.08	41.40 2.19 0.00	38.07 1.74 0.00	34.53 1.42 0.00	34.07 1.84 0.00	35.57 1.98 0.00	36.11 1.78 0.00	35.20 1.74 0.00	35.22 2.09 0.00	40.15 2.54 -0.76	43.00 2.23 -0.94	45.93 0.75 -1.23	48.55 0.79 -1.02	53.64 0.52 -1.58	57.38 0.66 -1.98	65.47 0.44 -2.34	74.07 0.86 -1.53	81.07 0.88 -0.02	80.07 -0.32 0.01	72.89 -1.26 0.01	64.43 -1.60 0.73	50.11 -0.96 9.02	47.62 -1.02 5.20	45.85 -0.62 0.99
PJM_GEN_HTP_PROXY 323702	44.12 1.46 0.13	40.50 1.10 -0.20	37.38 1.05 0.00	34.13 1.03 0.00	33.33 1.10 0.00	34.73 1.14 0.00	34.86 1.37 0.84	35.71 1.41 -0.84	34.85 1.72 0.00	39.38 1.77 -0.76	42.64 1.87 -0.94	46.86 1.67 -1.24	50.02 1.82 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.73 1.69 -2.35	75.36 2.15 -1.53	82.28 2.01 -0.10	81.36 0.97 0.00	74.69 0.52 0.00	66.83 0.07 0.00	60.45 0.36 0.00	54.33 0.48 0.00	48.21 0.76 0.00
PJM_GEN_KEystone 24065	42.80 0.17 0.16	39.84 0.43 -0.20	36.47 0.15 0.00	33.11 0.00 0.00	32.20 -0.03 0.00	33.42 -0.17 0.00	33.42 -0.07 0.84	34.37 0.07 -0.84	33.36 0.23 0.00	37.74 0.48 -0.40	40.89 0.56 -0.50	45.62 1.01 -0.66	48.64 1.12 -0.78	53.35 1.23 -0.58	56.65 1.37 -0.54	64.92 1.38 -0.86	73.32 1.22 -0.43	80.72 1.20 0.66	80.12 0.80 1.08	73.76 0.67 1.07	66.33 0.60 1.03	59.96 0.60 0.72	54.34 0.86 0.36	48.21 0.76 0.00
PJM_GEN_NEPTUNE_PROXY 323594	44.63 1.97 0.13	41.09 1.68 -0.20	37.63 1.31 0.00	34.20 1.09 0.00	33.68 1.45 0.00	35.16 1.58 0.00	34.93 1.44 0.84	35.71 1.41 -0.84	34.88 1.75 0.00	39.75 2.14 -0.76	42.60 1.83 -0.94	46.10 0.92 -1.23	48.71 1.08 -0.90	53.89 0.77 -1.58	57.75 1.04 -1.97	65.90 0.88 -2.34	74.49 1.29 -1.53	81.36 1.20 0.02	80.46 0.08 0.01	73.41 -0.74 0.02	64.71 -1.14 0.91	48.34 -0.78 10.96	46.72 -0.81 6.32	45.83 -0.43 1.20
PJM_GEN_VFT_PROXY 323633	43.95 1.28 0.13	40.31 0.90 -0.20	37.23 0.91 0.00	33.97 0.86 0.00	33.17 0.94 0.00	34.56 0.97 0.00	34.69 1.20 0.84	35.57 1.27 -0.84	34.75 1.62 0.00	39.23 1.62 -0.76	42.48 1.71 -0.94	46.72 1.54 -1.24	49.79 1.59 -1.47	50.57 1.34 2.30	50.70 1.37 5.41	60.62 1.25 3.32	69.25 1.65 4.08	71.56 1.44 10.06	65.49 0.49 15.38	58.87 0.00 15.30	51.65 -0.40 14.71	49.70 -0.06 10.33	48.91 0.16 5.09	47.98 0.52 0.00
PLATSBURG_115KV_PMLD1 355749	43.90 1.11 0.00	40.11 0.90 0.00	37.13 0.80 0.00	33.90 0.79 0.00	33.01 0.77 0.00	34.46 0.87 0.00	35.29 0.96 0.00	34.40 0.94 0.00	33.83 0.70 0.00	37.63 0.77 0.00	40.75 0.92 0.00	44.91 0.97 0.00	47.30 0.56 0.00	52.16 0.62 0.00	55.29 0.55 0.00	63.31 0.63 0.00	72.68 1.00 0.00	82.21 1.52 -0.52	82.59 1.69 -0.51	76.39 1.48 -0.74	69.17 1.40 -1.00	62.30 0.96 -1.25	55.91 0.59 -1.48	48.02 0.57 0.00
PLEASANTVLY___LBMP 24000	43.65 0.77 -0.09	39.71 0.51 0.00	36.94 0.62 0.00	33.73 0.63 0.00	32.97 0.74 0.00	34.32 0.74 0.00	35.15 0.82 0.00	34.33 0.87 0.00	34.19 1.06 0.00	38.73 1.03 -0.85	41.96 1.08 -1.05	46.17 0.83 -1.39	49.31 0.93 -1.64	54.10 0.77 -1.79	57.78 0.82 -2.22	66.07 0.75 -2.63	74.40 1.00 -1.72	81.17 0.88 -0.11	80.71 0.32 0.00	74.09 -0.07 0.00	66.43 -0.33 0.00	60.03 -0.06 0.00	53.79 -0.05 0.00	47.60 0.14 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	44.11 1.24 -0.08	40.11 0.90 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.23 1.00 0.00	34.59 1.01 0.00	35.49 1.17 0.00	34.67 1.20 0.00	34.59 1.46 0.00	39.13 1.51 -0.76	42.37 1.59 -0.94	46.56 1.36 -1.25	49.76 1.54 -1.48	54.54 1.39 -1.61	58.27 1.53 -2.00	66.56 1.50 -2.37	75.09 1.86 -1.55	82.12 1.84 -0.10	81.52 1.13 0.00	74.68 0.52 0.00	66.96 0.20 0.00	60.51 0.42 0.00	54.27 0.43 0.00	48.02 0.57 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	44.11 1.24 -0.08	40.11 0.90 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.23 1.00 0.00	34.59 1.01 0.00	35.49 1.17 0.00	34.67 1.20 0.00	34.59 1.46 0.00	39.13 1.51 -0.76	42.37 1.59 -0.94	46.56 1.36 -1.25	49.76 1.54 -1.48	54.54 1.39 -1.61	58.27 1.53 -2.00	66.56 1.50 -2.37	75.09 1.86 -1.55	82.12 1.84 -0.10	81.52 1.13 0.00	74.68 0.52 0.00	66.96 0.20 0.00	60.51 0.42 0.00	54.27 0.43 0.00	48.02 0.57 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	43.95 1.16 0.00	40.07 0.86 0.00	37.23 0.91 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.56 0.97 0.00	35.43 1.10 0.00	34.57 1.10 0.00	34.42 1.29 0.00	38.18 1.33 0.00	41.19 1.35 0.00	45.13 1.19 0.00	48.09 1.36 0.00	52.83 1.29 0.00	56.22 1.48 0.00	64.19 1.50 0.00	73.68 2.01 0.00	82.18 2.00 0.00	82.00 1.61 0.00	75.20 1.04 0.00	67.43 0.67 0.00	60.87 0.78 0.00	54.43 0.59 0.00	48.12 0.66 0.00
POLETTI____ 23519	44.32 1.45 -0.08	40.22 1.02 0.00	37.38 1.05 0.00	34.10 0.99 0.00	33.33 1.10 0.00	34.69 1.11 0.00	35.67 1.34 0.00	34.84 1.37 0.00	34.82 1.69 0.00	39.34 1.73 -0.76	42.60 1.83 -0.94	46.81 1.63 -1.24	49.98 1.78 -1.47	54.68 1.55 -1.60	58.35 1.64 -1.96	66.52 1.50 -2.33	75.15 1.94 -1.53	82.20 1.92 -0.10	81.36 0.96 0.00	74.52 0.37 0.02	66.61 -0.13 0.02	60.31 0.24 0.02	54.27 0.43 0.00	48.12 0.66 0.00
POMONA___ESR 323819	43.93 1.07 -0.07	39.99 0.78 0.00	37.16 0.84 0.00	33.93 0.83 0.00	33.17 0.94 0.00	34.49 0.91 0.00	35.39 1.07 0.00	34.60 1.14 0.00	34.55 1.42 0.00	38.96 1.40 -0.71	42.18 1.47 -0.88	46.42 1.32 -1.16	49.56 1.45 -1.37	54.37 1.34 -1.49	58.07 1.48 -1.85	66.32 1.44 -2.19	74.83 1.72 -1.43	81.95 1.69 -0.10	81.28 0.89 0.00	74.61 0.45 0.00	66.89 0.13 0.00	60.39 0.30 0.00	54.17 0.33 0.00	47.98 0.52 0.00
PORT_JEFF_3 23555	45.31 2.44 -0.08	41.36 2.15 0.00	38.00 1.67 0.00	34.43 1.33 0.00	34.04 1.80 0.00	35.53 1.95 0.00	36.04 1.72 0.00	35.10 1.64 0.00	35.12 1.99 0.00	40.12 2.51 -0.76	42.96 2.19 -0.94	46.10 0.92 -1.23	48.57 0.89 -0.95	53.63 0.52 -1.58	57.70 0.99 -1.97	65.59 0.56 -2.34	74.28 1.08 -1.53	81.45 1.28 0.00	80.30 -0.08 0.01	72.89 -1.26 0.01	64.52 -1.41 0.84	48.95 -0.96 10.17	47.01 -0.97 5.87	45.82 -0.52 1.11
PORT_JEFF_4 23616	45.31 2.44 -0.08	41.36 2.15 0.00	38.00 1.67 0.00	34.43 1.33 0.00	34.04 1.80 0.00	35.53 1.95 0.00	36.04 1.72 0.00	35.10 1.64 0.00	35.12 1.99 0.00	40.12 2.51 -0.76	42.96 2.19 -0.94	46.10 0.92 -1.23	48.57 0.89 -0.95	53.63 0.52 -1.58	57.70 0.99 -1.97	65.59 0.56 -2.34	74.28 1.08 -1.53	81.45 1.28 0.00	80.30 -0.08 0.01	72.89 -1.26 0.01	64.52 -1.41 0.84	48.95 -0.96 10.17	47.01 -0.97 5.87	45.82 -0.52 1.11



PORT_JEFF_IC 23713	45.22 2.35 -0.08	41.36 2.16 0.00	38.03 1.71 0.00	34.46 1.36 0.00	34.07 1.84 0.00	35.60 2.02 0.00	36.08 1.75 0.00	35.14 1.67 0.00	35.15 2.02 0.00	40.19 2.58 -0.76	43.04 2.27 -0.94	46.19 1.01 -1.23	48.71 1.03 -0.95	53.84 0.72 -1.58	57.97 1.26 -1.97	65.65 0.63 -2.34	74.35 1.15 -1.53	81.62 1.44 0.00	80.55 0.16 0.01	72.96 -1.19 0.01	64.79 -1.13 0.83	49.23 -0.72 10.13	47.19 -0.81 5.84	45.83 -0.52 1.11
PPL PILGRIM_ST_GT1 24216	45.65 2.78 -0.08	41.64 2.43 0.00	38.25 1.92 0.00	34.69 1.59 0.00	34.26 2.03 0.00	35.80 2.22 0.00	36.32 1.99 0.00	35.37 1.91 0.00	35.38 2.25 0.00	40.38 2.77 -0.76	43.20 2.43 -0.94	46.45 1.28 -1.23	49.00 1.31 -0.96	54.20 1.08 -1.58	58.25 1.53 -1.97	66.21 1.19 -2.34	75.00 1.79 -1.53	82.18 2.01 -0.01	81.11 0.72 0.01	73.71 -0.44 0.01	65.34 -0.60 0.82	49.75 -0.36 9.98	47.65 -0.43 5.76	46.27 -0.09 1.09
PPL PILGRIM_ST_GT2 24217	45.65 2.78 -0.08	41.64 2.43 0.00	38.25 1.92 0.00	34.69 1.59 0.00	34.26 2.03 0.00	35.80 2.22 0.00	36.32 1.99 0.00	35.37 1.91 0.00	35.38 2.25 0.00	40.38 2.77 -0.76	43.20 2.43 -0.94	46.45 1.28 -1.23	49.00 1.31 -0.96	54.20 1.08 -1.58	58.25 1.53 -1.97	66.21 1.19 -2.34	75.00 1.79 -1.53	82.18 2.01 -0.01	81.11 0.72 0.01	73.71 -0.44 0.01	65.34 -0.60 0.82	49.75 -0.36 9.98	47.65 -0.43 5.76	46.27 -0.09 1.09
PPL_SHRM_GT3 24213	45.09 2.22 -0.08	41.09 1.88 0.00	37.71 1.38 0.00	34.16 1.06 0.00	33.81 1.58 0.00	35.33 1.75 0.00	35.77 1.44 0.00	34.84 1.37 0.00	34.88 1.75 0.00	39.86 2.25 -0.76	42.76 1.99 -0.94	45.93 0.75 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	66.03 1.00 -2.34	74.92 1.72 -1.53	82.26 2.08 0.00	81.11 0.72 0.01	73.55 -0.60 0.01	64.79 -1.14 0.84	49.03 -0.90 10.16	46.91 -1.08 5.86	45.58 -0.76 1.11
PPL_SHRM_GT4 24214	45.09 2.22 -0.08	41.09 1.88 0.00	37.71 1.38 0.00	34.16 1.06 0.00	33.81 1.58 0.00	35.33 1.75 0.00	35.77 1.44 0.00	34.84 1.37 0.00	34.88 1.75 0.00	39.86 2.25 -0.76	42.76 1.99 -0.94	45.93 0.75 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	66.03 1.00 -2.34	74.92 1.72 -1.53	82.26 2.08 0.00	81.11 0.72 0.01	73.55 -0.60 0.01	64.79 -1.14 0.84	49.03 -0.90 10.16	46.91 -1.08 5.86	45.58 -0.76 1.11
PROJECT___ORANGE 1 24174	42.49 -0.30 0.00	39.09 -0.12 0.00	36.00 -0.33 0.00	32.74 -0.36 0.00	31.85 -0.39 0.00	33.15 -0.44 0.00	33.88 -0.45 0.00	33.06 -0.40 0.00	32.73 -0.40 0.00	36.56 -0.29 0.00	39.59 -0.24 0.00	43.95 0.00 0.00	46.88 0.14 0.00	51.74 0.21 0.00	54.96 0.22 0.00	63.00 0.31 0.00	71.96 0.29 0.00	80.49 0.32 0.00	80.88 0.48 0.00	74.68 0.52 0.00	67.29 0.53 0.00	60.45 0.36 0.00	54.22 0.38 0.00	47.69 0.24 0.00
PROJECT___ORANGE 2 24166	42.49 -0.30 0.00	39.09 -0.12 0.00	36.00 -0.33 0.00	32.74 -0.36 0.00	31.85 -0.39 0.00	33.15 -0.44 0.00	33.88 -0.45 0.00	33.06 -0.40 0.00	32.73 -0.40 0.00	36.56 -0.29 0.00	39.59 -0.24 0.00	43.95 0.00 0.00	46.88 0.14 0.00	51.74 0.21 0.00	54.96 0.22 0.00	63.00 0.31 0.00	71.96 0.29 0.00	80.49 0.32 0.00	80.88 0.48 0.00	74.68 0.52 0.00	67.29 0.53 0.00	60.45 0.36 0.00	54.22 0.38 0.00	47.69 0.24 0.00
PUCKETT___SOLAR 323809	43.78 0.98 0.00	40.30 1.10 0.00	37.12 0.80 0.00	33.73 0.63 0.00	32.78 0.55 0.00	34.09 0.50 0.00	34.88 0.55 0.00	34.00 0.53 0.00	33.56 0.43 0.00	37.44 0.59 0.00	40.51 0.68 0.00	45.05 1.10 0.00	47.95 1.21 0.00	53.03 1.50 0.00	56.38 1.64 0.00	64.69 2.01 0.00	73.90 2.22 0.00	82.90 2.73 0.00	83.61 3.22 0.00	77.51 3.34 0.00	69.83 3.07 0.00	62.73 2.64 0.00	56.32 2.48 0.00	49.36 1.90 0.00
PYRITES___HYD 24023	44.89 2.10 0.00	41.01 1.80 0.00	37.96 1.63 0.00	34.63 1.52 0.00	33.78 1.55 0.00	35.23 1.65 0.00	36.04 1.72 0.00	34.94 1.47 0.00	34.09 0.96 0.00	37.81 0.96 0.00	40.87 1.04 0.00	45.00 1.05 0.00	47.63 0.89 0.00	52.67 1.13 0.00	55.89 1.15 0.00	64.13 1.44 0.00	73.76 2.08 0.00	94.22 3.05 -11.01	95.09 3.86 -10.83	93.92 4.08 -15.68	92.10 4.01 -21.33	90.09 3.42 -26.58	88.25 3.02 -31.39	59.09 2.52 -9.12
QUAKERRD_115KV_BK1 80622	42.11 -0.68 0.00	39.24 0.04 0.00	35.78 -0.54 0.00	32.28 -0.83 0.00	31.30 -0.93 0.00	32.54 -1.04 0.00	33.26 -1.06 0.00	32.46 -1.00 0.00	32.07 -1.06 0.00	36.26 -0.59 0.00	39.39 -0.44 0.00	44.43 0.48 0.00	47.25 0.51 0.00	52.52 0.98 0.00	55.73 0.99 0.00	63.88 1.19 0.00	72.61 0.93 0.00	81.37 1.20 0.00	81.60 1.21 0.00	75.35 1.19 0.00	68.10 1.34 0.00	61.05 0.96 0.00	54.92 1.08 0.00	48.17 0.71 0.00
QUENSBRY_115KV_TB8 356137	44.44 1.71 0.07	40.77 1.57 0.00	37.74 1.42 0.00	34.46 1.36 0.00	33.55 1.32 0.00	35.03 1.44 0.00	35.73 1.41 0.00	34.74 1.27 0.00	34.32 1.19 0.00	37.30 1.11 0.66	39.82 0.80 0.81	43.40 0.53 1.07	46.17 0.70 1.27	50.83 0.67 1.38	54.01 0.99 1.71	62.16 1.50 2.03	72.43 2.08 1.33	82.89 2.81 0.09	84.73 4.34 0.00	78.47 4.30 0.00	70.50 3.74 0.00	63.45 3.36 0.00	56.59 2.75 0.00	49.54 2.09 0.00
RAMAPO___LBMP 323565	43.76 0.90 -0.07	39.79 0.59 0.00	37.02 0.69 0.00	33.80 0.70 0.00	33.04 0.81 0.00	34.36 0.77 0.00	35.25 0.93 0.00	34.47 1.00 0.00	34.39 1.26 0.00	38.80 1.25 -0.70	41.97 1.27 -0.86	46.18 1.10 -1.14	49.35 1.26 -1.35	54.09 1.08 -1.47	57.77 1.20 -1.82	65.97 1.13 -2.16	74.45 1.36 -1.41	81.55 1.28 -0.09	81.04 0.64 0.00	74.31 0.15 0.00	66.63 -0.13 0.00	60.21 0.12 0.00	53.95 0.11 0.00	47.74 0.28 0.00
RANKINE____ 23646	43.35 0.56 0.00	41.05 1.84 0.00	36.91 0.58 0.00	33.11 0.00 0.00	32.01 -0.23 0.00	33.12 -0.47 0.00	33.92 -0.41 0.00	33.03 -0.44 0.00	32.60 -0.53 0.00	37.19 0.33 0.00	40.47 0.64 0.00	46.19 2.24 0.00	49.12 2.38 0.00	54.53 2.99 0.00	58.08 3.34 0.00	66.39 3.70 0.00	74.97 3.30 0.00	83.86 3.69 0.00	83.93 3.54 0.00	77.95 3.78 0.00	70.50 3.74 0.00	63.27 3.18 0.00	57.50 3.66 0.00	50.44 2.99 0.00
RAVENSWOOD_GT2_1 24244	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.20 1.92 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT2_2 24245	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.42 1.70 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.20 1.92 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00



RAVENSWOOD_GT2_3 24246	44.41 1.54 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.89 1.76 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.83 1.70 -1.60	58.47 1.75 -1.98	66.73 1.69 -2.35	75.29 2.08 -1.53	82.28 2.00 -0.10	81.52 1.13 0.00	74.68 0.52 0.00	66.83 0.07 0.00	60.51 0.42 0.00	54.43 0.59 0.00	48.21 0.76 0.00
RAVENSWOOD_GT2_4 24247	44.41 1.54 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.89 1.76 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.83 1.70 -1.60	58.47 1.75 -1.98	66.73 1.69 -2.35	75.29 2.08 -1.53	82.28 2.00 -0.10	81.52 1.13 0.00	74.68 0.52 0.00	66.83 0.07 0.00	60.51 0.42 0.00	54.43 0.59 0.00	48.21 0.76 0.00
RAVENSWOOD_GT3_1 24248	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.20 1.92 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT3_2 24249	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.20 1.92 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT3_3 24250	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.97 1.51 0.00	34.92 1.79 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	46.99 1.80 -1.24	50.17 1.96 -1.47	54.88 1.75 -1.60	58.58 1.86 -1.98	66.79 1.76 -2.35	75.36 2.15 -1.53	82.44 2.16 -0.10	81.60 1.21 0.00	74.76 0.59 0.00	66.89 0.13 0.00	60.57 0.48 0.00	54.49 0.65 0.00	48.31 0.85 0.00
RAVENSWOOD_GT3_4 24251	44.45 1.58 -0.08	40.34 1.14 0.00	37.49 1.16 0.00	34.20 1.09 0.00	33.42 1.19 0.00	34.83 1.24 0.00	35.77 1.44 0.00	34.97 1.51 0.00	34.92 1.79 0.00	39.45 1.84 -0.76	42.72 1.95 -0.94	46.99 1.80 -1.24	50.17 1.96 -1.47	54.88 1.75 -1.60	58.58 1.86 -1.98	66.79 1.76 -2.35	75.36 2.15 -1.53	82.44 2.16 -0.10	81.60 1.21 0.00	74.76 0.59 0.00	66.89 0.13 0.00	60.57 0.48 0.00	54.49 0.65 0.00	48.31 0.85 0.00
RAVENSWOOD_GT_1 23729	44.62 1.75 -0.08	40.50 1.29 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.55 1.32 0.00	34.93 1.34 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.05 1.92 0.00	39.60 1.99 -0.76	42.88 2.11 -0.94	47.16 1.98 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.29 1.25 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	81.04 0.64 0.00	74.24 0.07 0.00	66.43 -0.33 0.00	60.15 0.06 0.00	54.60 0.75 0.00	48.50 1.04 0.00
RAVENSWOOD_GT_10 24258	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT_11 24259	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT_4 24252	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT_5 24254	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT_6 24253	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT_7 24255	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.21 0.76 0.00
RAVENSWOOD_GT_9 24257	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.36 1.13 0.00	34.76 1.18 0.00	35.73 1.41 0.00	34.90 1.44 0.00	34.85 1.72 0.00	39.38 1.77 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.22 2.01 -1.53	82.28 2.00 -0.10	81.44 1.05 0.00	74.61 0.44 0.00	66.76 0.00 0.00	60.51 0.42 0.00	54.38 0.54 0.00	48.21 0.76 0.00



RAVENSWOOD___1 23533	44.63 1.76 -0.09	40.55 1.33 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.56 1.32 -0.01	34.94 1.34 -0.01	35.92 1.58 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.61 1.99 -0.77	42.88 2.11 -0.94	47.17 1.98 -1.25	50.21 2.01 -1.47	54.93 1.80 -1.60	58.25 1.53 -1.98	66.28 1.25 -2.34	75.15 1.94 -1.53	82.04 1.76 -0.10	80.80 0.40 0.00	74.16 0.00 0.01	66.35 -0.40 0.01	60.08 0.00 0.01	54.60 0.75 0.00	48.56 1.09 -0.01
RAVENSWOOD___2 23534	44.63 1.76 -0.09	40.55 1.33 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.56 1.32 -0.01	34.94 1.34 -0.01	35.92 1.58 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.61 1.99 -0.77	42.88 2.11 -0.94	47.17 1.98 -1.25	50.21 2.01 -1.47	54.93 1.80 -1.60	58.20 1.48 -1.98	66.21 1.19 -2.34	75.07 1.86 -1.53	81.96 1.69 -0.10	80.80 0.40 0.00	74.08 -0.07 0.01	66.29 -0.46 0.01	60.02 -0.06 0.01	54.60 0.75 0.00	48.56 1.09 -0.01
RAVENSWOOD___3 23535	44.41 1.54 -0.08	40.34 1.14 0.00	37.45 1.13 0.00	34.16 1.06 0.00	33.39 1.16 0.00	34.76 1.17 0.00	35.74 1.41 0.00	34.90 1.44 0.00	34.88 1.75 0.00	39.42 1.81 -0.76	42.68 1.91 -0.94	46.90 1.71 -1.24	50.07 1.87 -1.47	54.78 1.65 -1.60	58.47 1.75 -1.98	66.66 1.63 -2.35	75.21 2.00 -1.53	82.20 1.92 -0.10	81.28 0.89 0.00	74.61 0.45 0.00	66.76 0.00 0.00	60.45 0.36 0.00	54.38 0.54 0.00	48.26 0.81 0.00
RAVENSWOOD___4 23820	44.63 1.76 -0.09	40.55 1.33 -0.01	37.64 1.31 -0.01	34.34 1.23 -0.01	33.53 1.29 -0.01	34.94 1.34 -0.01	35.92 1.58 -0.01	35.08 1.61 -0.01	35.06 1.92 -0.01	39.61 1.99 -0.77	42.88 2.11 -0.94	47.17 1.98 -1.25	50.21 2.01 -1.47	54.93 1.80 -1.60	58.20 1.48 -1.98	66.21 1.19 -2.34	75.07 1.86 -1.53	81.96 1.69 -0.10	80.72 0.32 0.00	74.08 -0.07 0.01	66.29 -0.46 0.01	60.02 -0.06 0.01	54.60 0.75 0.00	48.56 1.09 -0.01
RCPL_TRUST___DRP 24196	44.41 1.54 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.42 1.81 -0.76	42.72 1.95 -0.94	46.94 1.76 -1.24	50.12 1.92 -1.47	54.88 1.75 -1.60	58.58 1.86 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.52 2.24 -0.10	81.68 1.29 0.00	74.83 0.67 0.00	66.96 0.20 0.00	60.57 0.48 0.00	54.43 0.59 0.00	48.21 0.76 0.00
RED___ROCHESTER 323720	43.43 0.64 0.00	40.38 1.18 0.00	36.87 0.55 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.45 -0.13 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	32.86 -0.27 0.00	37.37 0.52 0.00	40.67 0.84 0.00	46.06 2.11 0.00	49.03 2.29 0.00	54.52 2.99 0.00	57.97 3.23 0.00	66.45 3.76 0.00	75.26 3.58 0.00	84.42 4.25 0.00	84.89 4.50 0.00	78.09 3.93 0.00	70.77 4.01 0.00	63.33 3.24 0.00	57.02 3.18 0.00	49.92 2.47 0.00
REGAN___SOLAR 323812	45.78 3.04 0.05	41.95 2.74 0.00	38.76 2.43 0.00	35.36 2.25 0.00	34.39 2.16 0.00	35.87 2.28 0.00	36.56 2.23 0.00	35.27 1.81 0.00	34.36 1.23 0.00	37.10 0.70 0.45	39.60 0.32 0.55	43.26 0.04 0.73	45.92 0.05 0.87	50.70 0.10 0.94	54.12 0.55 1.17	62.62 1.32 1.39	73.21 2.44 0.91	84.28 4.17 0.06	86.43 6.03 0.00	80.61 6.45 0.00	72.57 5.81 0.00	65.25 5.17 0.00	58.31 4.47 0.00	51.06 3.60 0.00
RENSSELAER___COGEN 23796	42.26 -0.47 0.06	38.69 -0.51 0.00	35.96 -0.36 0.00	33.01 -0.10 0.00	32.20 -0.03 0.00	33.48 -0.10 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	33.03 -0.10 0.00	35.97 -0.30 0.59	38.67 -0.44 0.73	42.06 -0.92 0.96	44.66 -0.93 1.14	49.21 -1.08 1.24	52.11 -1.09 1.54	59.54 -1.32 1.83	69.12 -1.36 1.19	78.41 -1.69 0.08	78.62 -1.77 0.00	72.53 -1.63 0.00	65.16 -1.60 0.00	58.82 -1.26 0.00	52.61 -1.24 0.00	46.41 -1.04 0.00
REPUBLIC_115KV_BARTNBRK 55605	46.87 4.15 0.07	43.05 3.84 0.00	39.63 3.31 0.00	36.18 3.08 0.00	35.17 2.93 0.00	36.78 3.19 0.00	37.49 3.16 0.00	36.27 2.81 0.00	35.78 2.65 0.00	38.92 2.73 0.66	41.64 2.63 0.82	45.37 2.50 1.09	48.21 2.76 1.29	53.18 3.04 1.40	56.67 3.67 1.74	65.46 4.83 2.06	76.35 6.02 1.34	87.86 7.78 0.09	90.44 10.05 0.00	84.10 9.94 0.00	75.51 8.75 0.00	67.90 7.81 0.00	60.46 6.62 0.00	52.58 5.13 0.00
REVERE_CPPR_DRP 24186	44.54 1.75 0.00	40.81 1.61 0.00	37.67 1.34 0.00	34.30 1.19 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.53 1.20 0.00	34.57 1.10 0.00	34.02 0.89 0.00	37.85 1.00 0.00	41.03 1.19 0.00	45.35 1.41 0.00	48.28 1.54 0.00	53.55 2.01 0.00	56.93 2.19 0.00	65.38 2.70 0.00	74.90 3.23 0.00	84.89 3.85 -0.87	85.83 4.58 -0.85	80.00 4.60 -1.24	72.65 4.21 -1.68	65.67 3.49 -2.09	59.33 3.02 -2.47	50.45 2.28 -0.72
REYNLDPA_13_KV_LD 356490	43.65 0.86 0.00	39.91 0.71 0.00	36.98 0.65 0.00	33.73 0.63 0.00	32.84 0.61 0.00	34.22 0.64 0.00	35.05 0.72 0.00	34.17 0.70 0.00	33.63 0.50 0.00	37.37 0.52 0.00	40.47 0.64 0.00	44.61 0.66 0.00	47.25 0.51 0.00	52.10 0.57 0.00	55.23 0.49 0.00	63.31 0.63 0.00	72.54 0.86 0.00	79.79 1.28 1.67	80.04 1.29 1.64	72.90 1.11 2.38	64.66 1.13 3.24	57.02 0.96 4.03	49.89 0.81 4.76	46.87 0.81 1.40
REYNOLDS_115KV_TB3 80639	42.63 -0.09 0.07	39.05 -0.16 0.00	36.36 0.04 0.00	33.30 0.20 0.00	32.49 0.26 0.00	33.79 0.20 0.00	34.53 0.21 0.00	33.63 0.17 0.00	33.36 0.23 0.00	36.22 0.07 0.71	38.91 -0.04 0.88	42.39 -0.40 1.16	44.94 -0.42 1.38	49.57 -0.46 1.50	52.39 -0.49 1.86	59.92 -0.56 2.20	69.66 -0.57 1.44	79.36 -0.72 0.10	79.59 -0.80 0.00	73.50 -0.67 0.00	65.96 -0.80 0.00	59.61 -0.48 0.00	53.30 -0.54 0.00	47.08 -0.38 0.00
RIVERBAY____ 323610	45.18 2.31 -0.08	41.09 1.88 0.00	38.18 1.85 0.00	34.83 1.72 0.00	34.00 1.77 0.00	35.47 1.88 0.00	36.42 2.09 0.00	35.54 2.07 0.00	35.45 2.32 0.00	40.01 2.40 -0.76	43.32 2.55 -0.94	47.69 2.50 -1.24	50.91 2.71 -1.47	55.55 2.42 -1.60	58.86 2.13 -1.98	67.04 2.01 -2.35	76.29 3.08 -1.53	83.40 3.13 -0.10	82.16 1.77 0.00	75.28 1.11 0.00	67.29 0.53 0.00	60.93 0.84 0.00	55.73 1.88 0.00	49.35 1.90 0.00
RIVERSDE_115KV_TB3 55908	42.55 -0.17 0.07	38.93 -0.27 0.00	36.22 -0.11 0.00	33.21 0.10 0.00	32.39 0.16 0.00	33.72 0.13 0.00	34.43 0.10 0.00	33.53 0.07 0.00	33.26 0.13 0.00	36.16 -0.04 0.65	38.87 -0.16 0.81	42.35 -0.53 1.07	44.91 -0.56 1.26	49.54 -0.62 1.38	52.43 -0.60 1.71	59.91 -0.75 2.02	69.64 -0.72 1.32	79.12 -0.96 0.09	79.43 -0.96 0.00	72.90 -1.26 0.00	65.49 -1.27 0.00	59.13 -0.96 0.00	52.87 -0.97 0.00	46.70 -0.76 0.00
ROARING___BROOK_WT_PWR 323790	42.83 0.04 0.00	39.20 0.00 0.00	36.33 0.00 0.00	33.11 0.00 0.00	32.23 0.00 0.00	33.62 0.03 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.16 0.03 0.00	36.85 0.00 0.00	39.87 0.04 0.00	43.95 0.00 0.00	46.69 -0.05 0.00	51.49 -0.05 0.00	54.69 -0.05 0.00	62.56 -0.13 0.00	71.61 -0.07 0.00	79.80 0.00 0.38	80.02 0.00 0.37	73.63 0.00 0.54	66.03 0.00 0.73	59.06 -0.12 0.91	52.56 -0.21 1.07	46.86 -0.28 0.31



ROCHESRG_115KV_T4 355643	42.88 0.09 0.00	40.11 0.90 0.00	36.44 0.11 0.00	32.84 -0.26 0.00	31.81 -0.42 0.00	33.05 -0.54 0.00	33.81 -0.51 0.00	32.96 -0.50 0.00	32.53 -0.60 0.00	36.89 0.04 0.00	40.07 0.24 0.00	45.31 1.36 0.00	48.19 1.45 0.00	53.50 1.96 0.00	56.82 2.08 0.00	65.13 2.44 0.00	73.90 2.22 0.00	82.74 2.57 0.00	82.97 2.57 0.00	76.69 2.52 0.00	69.43 2.67 0.00	62.19 2.10 0.00	56.10 2.26 0.00	49.26 1.80 0.00
ROCHESTER_9_IC 23652	43.18 0.39 0.00	40.38 1.18 0.00	36.69 0.36 0.00	33.04 -0.07 0.00	32.01 -0.23 0.00	33.25 -0.34 0.00	34.02 -0.31 0.00	33.16 -0.30 0.00	32.73 -0.40 0.00	37.15 0.29 0.00	40.35 0.52 0.00	45.66 1.71 0.00	48.61 1.87 0.00	54.01 2.47 0.00	57.42 2.68 0.00	65.76 3.07 0.00	74.62 2.94 0.00	83.62 3.45 0.00	83.85 3.46 0.00	77.43 3.26 0.00	70.10 3.34 0.00	62.79 2.70 0.00	56.59 2.75 0.00	49.64 2.18 0.00
ROCKVIEW_13_KV_LD 356306	44.37 1.50 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.70 1.37 0.00	34.87 1.41 0.00	34.82 1.69 0.00	39.38 1.77 -0.76	42.64 1.87 -0.94	46.86 1.67 -1.24	50.07 1.87 -1.47	54.88 1.75 -1.60	58.64 1.92 -1.98	66.98 1.94 -2.35	75.58 2.37 -1.53	82.60 2.32 -0.10	82.00 1.61 0.00	75.05 0.89 0.00	67.23 0.47 0.00	60.81 0.72 0.00	54.54 0.70 0.00	48.26 0.81 0.00
ROME____115KV_TB2 80656	44.54 1.75 0.00	40.81 1.61 0.00	37.67 1.34 0.00	34.30 1.19 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.53 1.20 0.00	34.57 1.10 0.00	34.02 0.89 0.00	37.85 1.00 0.00	41.03 1.19 0.00	45.35 1.41 0.00	48.28 1.54 0.00	53.55 2.01 0.00	56.93 2.19 0.00	65.38 2.70 0.00	74.90 3.23 0.00	84.89 3.85 -0.87	85.83 4.58 -0.85	80.00 4.60 -1.24	72.65 4.21 -1.68	65.67 3.49 -2.09	59.33 3.02 -2.47	50.45 2.28 -0.72
ROSETON___1 23587	43.67 0.81 -0.07	39.79 0.59 0.00	36.98 0.65 0.00	33.73 0.63 0.00	32.94 0.71 0.00	34.32 0.74 0.00	35.15 0.82 0.00	34.33 0.87 0.00	34.22 1.09 0.00	38.62 1.07 -0.70	41.77 1.08 -0.86	45.97 0.88 -1.14	49.02 0.93 -1.35	53.73 0.72 -1.47	57.33 0.77 -1.82	65.54 0.69 -2.16	73.95 0.86 -1.41	80.99 0.72 -0.09	80.47 0.72 0.00	74.02 -0.15 0.00	66.36 -0.40 0.00	59.97 -0.12 0.00	53.73 -0.11 0.00	47.65 0.19 0.00
ROSETON___2 23588	43.67 0.81 -0.07	39.79 0.59 0.00	36.98 0.65 0.00	33.73 0.63 0.00	32.94 0.71 0.00	34.32 0.74 0.00	35.15 0.82 0.00	34.33 0.87 0.00	34.22 1.09 0.00	38.62 1.07 -0.70	41.77 1.08 -0.86	45.97 0.88 -1.14	49.02 0.93 -1.35	53.73 0.72 -1.47	57.33 0.77 -1.82	65.54 0.69 -2.16	73.95 0.86 -1.41	80.99 0.72 -0.09	80.47 0.72 0.00	74.02 -0.15 0.00	66.36 -0.40 0.00	59.97 -0.12 0.00	53.73 -0.11 0.00	47.65 0.19 0.00
ROTRRDAM_115KV_TB3 80664	43.42 0.68 0.05	39.79 0.59 0.00	36.94 0.62 0.00	33.70 0.60 0.00	32.84 0.61 0.00	34.22 0.64 0.00	34.95 0.62 0.00	34.00 0.54 0.00	33.66 0.53 0.00	36.79 0.44 0.51	39.56 0.36 0.63	43.34 0.22 0.83	46.04 0.28 0.98	50.73 0.26 1.07	53.74 0.33 1.33	61.62 0.50 1.57	71.30 0.65 1.03	80.99 0.88 0.07	81.52 1.13 0.00	75.28 1.11 0.00	67.69 0.93 0.00	60.99 0.90 0.00	54.60 0.75 0.00	48.07 0.62 0.00
RUSSELL___1 23602	43.43 0.64 0.00	40.62 1.41 0.00	36.87 0.54 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.45 -0.13 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	32.90 -0.23 0.00	37.37 0.52 0.00	40.67 0.84 0.00	46.06 2.11 0.00	49.03 2.29 0.00	54.53 2.99 0.00	57.97 3.23 0.00	66.45 3.76 0.00	75.26 3.58 0.00	84.34 4.17 0.00	84.49 4.10 0.00	78.10 3.93 0.00	70.77 4.01 0.00	63.33 3.24 0.00	57.02 3.18 0.00	49.97 2.52 0.00
RUSSELL___2 23532	43.43 0.64 0.00	40.62 1.41 0.00	36.87 0.54 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.45 -0.13 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	32.90 -0.23 0.00	37.37 0.52 0.00	40.67 0.84 0.00	46.06 2.11 0.00	49.03 2.29 0.00	54.53 2.99 0.00	57.97 3.23 0.00	66.45 3.76 0.00	75.26 3.58 0.00	84.34 4.17 0.00	84.49 4.10 0.00	78.10 3.93 0.00	70.77 4.01 0.00	63.33 3.24 0.00	57.02 3.18 0.00	49.97 2.52 0.00
RUSSELL___3 23549	43.43 0.64 0.00	40.62 1.41 0.00	36.87 0.54 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.45 -0.13 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	32.90 -0.23 0.00	37.37 0.52 0.00	40.67 0.84 0.00	46.06 2.11 0.00	49.03 2.29 0.00	54.53 2.99 0.00	57.97 3.23 0.00	66.45 3.76 0.00	75.26 3.58 0.00	84.34 4.17 0.00	84.49 4.10 0.00	78.10 3.93 0.00	70.77 4.01 0.00	63.33 3.24 0.00	57.02 3.18 0.00	49.97 2.52 0.00
RUSSELL___4 23556	43.43 0.64 0.00	40.62 1.41 0.00	36.87 0.54 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.45 -0.13 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	32.90 -0.23 0.00	37.37 0.52 0.00	40.67 0.84 0.00	46.06 2.11 0.00	49.03 2.29 0.00	54.53 2.99 0.00	57.97 3.23 0.00	66.45 3.76 0.00	75.26 3.58 0.00	84.34 4.17 0.00	84.49 4.10 0.00	78.10 3.93 0.00	70.77 4.01 0.00	63.33 3.24 0.00	57.02 3.18 0.00	49.97 2.52 0.00
RUSSELL___STATION 23914	43.43 0.64 0.00	40.62 1.41 0.00	36.87 0.54 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.45 -0.13 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	32.90 -0.23 0.00	37.37 0.52 0.00	40.67 0.84 0.00	46.06 2.11 0.00	49.03 2.29 0.00	54.53 2.99 0.00	57.97 3.23 0.00	66.45 3.76 0.00	75.26 3.58 0.00	84.34 4.17 0.00	84.49 4.10 0.00	78.10 3.93 0.00	70.77 4.01 0.00	63.33 3.24 0.00	57.02 3.18 0.00	49.97 2.52 0.00
S SALMON___HYD 24043	43.17 0.38 0.00	39.60 0.39 0.00	36.55 0.22 0.00	33.24 0.13 0.00	32.36 0.13 0.00	33.69 0.10 0.00	34.43 0.10 0.00	33.50 0.03 0.00	33.00 -0.13 0.00	36.78 -0.07 0.00	39.79 -0.04 0.00	44.08 0.13 0.00	46.93 0.19 0.00	51.95 0.41 0.00	55.07 0.33 0.00	63.25 0.56 0.00	72.25 0.57 0.00	81.99 0.80 -1.01	82.91 1.52 -1.00	77.39 1.78 -1.44	70.46 1.73 -1.97	63.92 1.38 -2.45	58.02 1.29 -2.89	49.24 0.95 -0.84
S.PERRY__115KV_TB1 80734	44.93 2.14 0.00	42.03 2.82 0.00	38.07 1.74 0.00	34.23 1.13 0.00	33.17 0.93 0.00	34.49 0.91 0.00	35.25 0.93 0.00	34.13 0.67 0.00	33.36 0.23 0.00	37.44 0.59 0.00	40.47 0.64 0.00	45.75 1.80 0.00	48.79 2.06 0.00	52.31 0.77 0.00	55.56 0.82 0.00	63.82 1.13 0.00	72.68 1.00 0.00	82.10 1.92 0.00	83.61 3.22 0.00	78.47 4.30 0.00	71.43 4.67 0.00	63.93 3.85 0.00	57.61 3.77 0.00	51.96 4.51 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	42.96 0.17 0.00	40.73 1.53 0.00	36.62 0.29 0.00	32.84 -0.26 0.00	31.75 -0.48 0.00	32.81 -0.77 0.00	33.64 -0.69 0.00	32.69 -0.77 0.00	32.27 -0.86 0.00	36.85 0.00 0.00	40.07 0.24 0.00	45.79 1.85 0.00	48.61 1.87 0.00	54.01 2.47 0.00	57.42 2.68 0.00	65.70 3.01 0.00	74.19 2.51 0.00	82.98 2.81 0.00	82.97 2.57 0.00	76.98 2.82 0.00	69.70 2.94 0.00	62.61 2.52 0.00	56.96 3.12 0.00	50.02 2.56 0.00



SAWYER___23_KV_LOAD 55526	42.96 0.17 0.00	40.73 1.53 0.00	36.62 0.29 0.00	32.84 -0.26 0.00	31.75 -0.48 0.00	32.81 -0.77 0.00	33.64 -0.69 0.00	32.69 -0.77 0.00	32.27 -0.86 0.00	36.85 0.00 0.00	40.07 0.24 0.00	45.79 1.85 0.00	48.61 1.87 0.00	54.01 2.47 0.00	57.42 2.68 0.00	65.70 3.01 0.00	74.19 2.51 0.00	82.98 2.81 0.00	82.97 2.57 0.00	76.98 2.82 0.00	69.70 2.94 0.00	62.61 2.52 0.00	56.96 3.12 0.00	50.02 2.56 0.00
SELKIRK___I 23801	42.75 0.00 0.04	39.17 -0.04 0.00	36.40 0.07 0.00	33.31 0.20 0.00	32.49 0.26 0.00	33.82 0.24 0.00	34.50 0.17 0.00	33.53 0.07 0.00	33.16 0.03 0.00	36.34 -0.15 0.36	39.11 -0.28 0.45	41.86 -1.49 0.59	44.49 -1.54 0.70	49.02 -1.75 0.76	51.99 -1.81 0.95	59.55 -2.01 1.12	68.79 -2.15 0.73	77.49 -2.49 0.20	77.97 -2.41 0.02	72.01 -2.15 0.00	64.76 -2.00 0.00	58.47 -1.62 0.00	52.33 -1.51 0.00	46.18 -1.28 0.00
SELKIRK___II 23799	42.28 -0.47 0.04	38.69 -0.51 0.00	36.00 -0.33 0.00	32.94 -0.16 0.00	32.14 -0.10 0.00	33.45 -0.13 0.00	34.16 -0.17 0.00	33.26 -0.20 0.00	33.00 -0.13 0.00	36.13 -0.30 0.43	38.86 -0.44 0.53	42.32 -0.92 0.70	44.97 -0.93 0.83	49.55 -1.08 0.90	52.52 -1.09 1.12	60.04 -1.32 1.33	69.45 -1.36 0.87	77.81 -1.76 0.60	78.40 -1.93 0.06	72.46 -1.70 0.00	65.09 -1.67 0.00	58.76 -1.32 0.00	52.61 -1.24 0.00	46.41 -1.04 0.00
SENECA OSWGO___HYD 24041	42.23 -0.56 0.00	38.77 -0.43 0.00	35.78 -0.54 0.00	32.54 -0.56 0.00	31.65 -0.58 0.00	32.95 -0.64 0.00	33.71 -0.62 0.00	32.86 -0.60 0.00	32.50 -0.63 0.00	36.26 -0.59 0.00	39.27 -0.56 0.00	43.55 -0.40 0.00	46.41 -0.32 0.00	51.28 -0.26 0.00	54.36 -0.38 0.00	62.38 -0.31 0.00	71.25 -0.43 0.00	79.69 -0.48 0.00	80.15 -0.24 0.00	74.02 -0.15 0.00	66.69 -0.07 0.00	59.91 -0.18 0.00	53.73 -0.11 0.00	47.27 -0.19 0.00
SENECA___115KV_TB3 355854	43.43 0.64 0.00	41.13 1.92 0.00	36.98 0.65 0.00	33.17 0.07 0.00	32.07 -0.16 0.00	33.15 -0.44 0.00	33.98 -0.34 0.00	33.06 -0.40 0.00	32.63 -0.50 0.00	37.26 0.41 0.00	40.55 0.72 0.00	46.32 2.37 0.00	49.21 2.48 0.00	54.63 3.09 0.00	58.19 3.45 0.00	66.51 3.82 0.00	75.19 3.51 0.00	84.10 3.93 0.00	84.09 3.70 0.00	78.10 3.93 0.00	70.63 3.87 0.00	63.39 3.30 0.00	57.61 3.77 0.00	50.54 3.08 0.00
SENECA___ENERGY 23797	43.01 0.22 0.00	39.68 0.47 0.00	36.40 0.07 0.00	33.01 -0.10 0.00	32.04 -0.19 0.00	33.35 -0.23 0.00	34.12 -0.20 0.00	33.26 -0.20 0.00	32.86 -0.27 0.00	36.85 0.00 0.00	39.99 0.16 0.00	44.69 0.75 0.00	47.58 0.84 0.00	52.67 1.13 0.00	56.00 1.26 0.00	64.25 1.57 0.00	73.25 1.57 0.00	82.25 2.08 0.00	82.89 2.49 0.00	76.61 2.44 0.00	69.10 2.34 0.00	61.95 1.86 0.00	55.62 1.77 0.00	48.69 1.23 0.00
SHOEMAKER___GT 23640	43.63 0.77 -0.06	39.79 0.59 0.00	36.98 0.65 0.00	33.73 0.63 0.00	32.94 0.71 0.00	34.29 0.71 0.00	35.12 0.79 0.00	34.27 0.80 0.00	34.09 0.96 0.00	38.40 0.92 -0.63	41.52 0.92 -0.78	45.77 0.79 -1.03	48.84 0.89 -1.22	53.63 0.77 -1.32	57.26 0.87 -1.64	65.51 0.88 -1.95	74.09 1.14 -1.27	81.38 1.12 -0.08	81.11 0.72 0.00	74.61 0.45 0.00	66.96 0.20 0.00	60.39 0.30 0.00	54.11 0.27 0.00	47.83 0.38 0.00
SHOEMAKR_138KV_BK 111 55601	43.62 0.77 -0.06	39.71 0.51 0.00	36.94 0.62 0.00	33.70 0.60 0.00	32.91 0.68 0.00	34.26 0.67 0.00	35.08 0.76 0.00	34.27 0.80 0.00	34.09 0.96 0.00	38.43 0.96 -0.62	41.55 0.96 -0.77	45.75 0.79 -1.02	48.83 0.89 -1.20	53.62 0.77 -1.31	57.24 0.88 -1.62	65.49 0.88 -1.92	74.08 1.15 -1.26	81.38 1.12 -0.08	81.12 0.72 0.00	74.54 0.37 0.00	66.89 0.13 0.00	60.33 0.24 0.00	54.06 0.22 0.00	47.79 0.33 0.00
SHOREHAM_IC_1 23715	45.09 2.22 -0.08	41.09 1.88 0.00	37.71 1.38 0.00	34.16 1.06 0.00	33.81 1.58 0.00	35.33 1.75 0.00	35.77 1.44 0.00	34.84 1.37 0.00	34.88 1.75 0.00	39.86 2.25 -0.76	42.76 1.99 -0.94	45.93 0.75 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	66.03 1.00 -2.34	74.92 1.72 -1.53	82.26 2.08 0.00	81.11 0.72 0.01	73.55 -0.60 0.01	64.79 -1.14 0.84	49.03 -0.90 10.16	46.91 -1.08 5.86	45.58 -0.76 1.11
SHOREHAM_IC_2 23716	44.92 2.05 -0.08	41.05 1.84 0.00	37.71 1.38 0.00	34.17 1.06 0.00	33.81 1.58 0.00	35.33 1.75 0.00	35.77 1.44 0.00	34.84 1.37 0.00	34.85 1.72 0.00	39.86 2.25 -0.76	42.76 1.99 -0.94	45.88 0.70 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	66.03 1.00 -2.34	74.93 1.72 -1.53	82.34 2.16 0.00	81.27 0.88 0.01	73.56 -0.59 0.01	64.79 -1.13 0.84	49.03 -0.90 10.16	46.91 -1.08 5.86	45.54 -0.81 1.11
SISSONVILLE____ 23735	44.03 1.24 0.00	40.22 1.02 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.63 1.04 0.00	35.46 1.13 0.00	34.47 1.00 0.00	33.79 0.66 0.00	37.55 0.70 0.00	40.63 0.80 0.00	44.83 0.88 0.00	47.44 0.70 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.75 1.07 0.00	73.18 1.51 0.00	92.72 2.16 -10.38	93.10 2.49 -10.22	91.40 2.45 -14.78	89.28 2.40 -20.12	87.20 2.04 -25.07	85.23 1.78 -29.61	57.51 1.47 -8.58
SITHE_IND_GS1 24169	41.55 -1.24 0.00	38.18 -1.02 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.20 -1.03 0.00	32.51 -1.08 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.75 -1.10 0.00	38.72 -1.12 0.00	42.89 -1.06 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.54 -1.20 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.41 -1.76 0.00	78.79 -1.61 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.89 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00
SITHE_IND_GS2 24170	41.55 -1.24 0.00	38.18 -1.02 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.20 -1.03 0.00	32.51 -1.08 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.75 -1.10 0.00	38.72 -1.12 0.00	42.89 -1.06 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.54 -1.20 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.41 -1.76 0.00	78.79 -1.61 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.89 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00
SITHE_IND_GS3 24171	41.55 -1.24 0.00	38.18 -1.02 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.20 -1.03 0.00	32.51 -1.08 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.75 -1.10 0.00	38.72 -1.12 0.00	42.89 -1.06 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.54 -1.20 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.41 -1.76 0.00	78.79 -1.61 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.89 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00
SITHE_IND_GS4 24172	41.55 -1.24 0.00	38.18 -1.02 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.20 -1.03 0.00	32.51 -1.08 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.75 -1.10 0.00	38.72 -1.12 0.00	42.89 -1.06 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.54 -1.20 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.41 -1.76 0.00	78.79 -1.61 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.89 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00



SITHE___BATAVIA 24024	44.16 1.37 0.00	41.01 1.80 0.00	37.56 1.24 0.00	33.67 0.56 0.00	32.52 0.29 0.00	33.79 0.20 0.00	34.50 0.17 0.00	33.30 -0.17 0.00	32.70 -0.43 0.00	37.37 0.52 0.00	40.63 0.80 0.00	46.32 2.37 0.00	49.21 2.48 0.00	54.84 3.30 0.00	58.30 3.56 0.00	66.82 4.14 0.00	75.69 4.01 0.00	85.14 4.97 0.00	85.86 5.47 0.00	79.21 5.05 0.00	71.83 5.07 0.00	64.29 4.20 0.00	58.15 4.31 0.00	50.87 3.42 0.00
SITHE___INDEPEND 23800	41.55 -1.24 0.00	38.22 -0.98 0.00	35.27 -1.05 0.00	32.08 -1.03 0.00	31.20 -1.03 0.00	32.51 -1.07 0.00	33.23 -1.10 0.00	32.39 -1.07 0.00	32.04 -1.09 0.00	35.75 -1.11 0.00	38.72 -1.12 0.00	42.89 -1.05 0.00	45.66 -1.07 0.00	50.45 -1.08 0.00	53.54 -1.20 0.00	61.37 -1.32 0.00	70.10 -1.58 0.00	78.41 -1.76 0.00	78.70 -1.69 0.00	72.68 -1.48 0.00	65.49 -1.27 0.00	58.88 -1.20 0.00	52.82 -1.02 0.00	46.46 -1.00 0.00
SITHE___MASSENA 23902	43.95 1.16 0.00	40.19 0.98 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.07 0.84 0.00	34.49 0.91 0.00	35.32 1.00 0.00	34.37 0.90 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.87 0.92 0.00	47.48 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.04 1.36 0.00	97.12 1.85 -15.11	97.11 1.85 -14.87	97.39 1.71 -21.52	97.71 1.67 -29.28	98.00 1.44 -36.48	98.22 1.29 -43.09	61.25 1.19 -12.61
SITHE___OGDNSBRG 24021	44.80 2.01 0.00	40.93 1.72 0.00	37.89 1.56 0.00	34.56 1.46 0.00	33.68 1.45 0.00	35.16 1.58 0.00	35.94 1.61 0.00	34.84 1.37 0.00	34.02 0.89 0.00	37.74 0.88 0.00	40.79 0.96 0.00	44.91 0.97 0.00	47.53 0.79 0.00	52.57 1.03 0.00	55.73 0.99 0.00	63.94 1.25 0.00	73.54 1.86 0.00	95.11 2.73 -12.22	95.88 3.46 -12.03	95.27 3.71 -17.40	94.11 3.67 -23.68	92.71 3.12 -29.50	91.48 2.80 -34.84	59.98 2.37 -10.15
SITHE___STERLING 23777	44.03 1.24 0.00	40.34 1.14 0.00	37.27 0.94 0.00	33.90 0.79 0.00	33.00 0.77 0.00	34.39 0.80 0.00	35.12 0.79 0.00	34.20 0.74 0.00	33.69 0.56 0.00	37.52 0.66 0.00	40.67 0.84 0.00	45.00 1.05 0.00	47.86 1.12 0.00	53.03 1.50 0.00	56.38 1.64 0.00	64.75 2.07 0.00	74.12 2.44 0.00	83.63 2.88 -0.58	84.41 3.45 -0.57	78.40 3.41 -0.82	71.08 3.20 -1.12	64.12 2.64 -1.39	57.75 2.26 -1.64	49.64 1.71 -0.48
SLEIGHT__34_KV_TB1 80719	42.83 0.04 0.00	39.79 0.59 0.00	36.33 0.00 0.00	32.81 -0.30 0.00	31.85 -0.39 0.00	33.15 -0.44 0.00	33.88 -0.45 0.00	33.06 -0.40 0.00	32.63 -0.50 0.00	36.82 -0.04 0.00	39.99 0.16 0.00	45.00 1.05 0.00	47.91 1.17 0.00	53.19 1.65 0.00	56.49 1.75 0.00	64.82 2.13 0.00	73.76 2.08 0.00	82.74 2.57 0.00	83.13 2.73 0.00	76.76 2.60 0.00	69.36 2.60 0.00	62.13 2.04 0.00	55.83 1.99 0.00	48.88 1.42 0.00
SMITHTWN_69_KV_BK 1 55830	45.35 2.48 -0.08	41.48 2.27 0.00	38.14 1.82 0.00	34.56 1.46 0.00	34.17 1.93 0.00	35.67 2.08 0.00	36.18 1.85 0.00	35.24 1.77 0.00	35.28 2.15 0.00	40.34 2.73 -0.76	43.20 2.43 -0.94	46.41 1.23 -1.23	49.04 1.36 -0.95	54.25 1.13 -1.58	58.41 1.70 -1.97	66.41 1.38 -2.34	75.21 2.01 -1.53	82.58 2.41 0.00	81.51 1.13 0.01	73.78 -0.37 0.01	65.26 -0.67 0.83	49.62 -0.36 10.10	47.42 -0.59 5.83	46.02 -0.33 1.10
SOUTH CAIRO___GT 23612	44.18 1.41 0.03	40.15 0.94 0.00	37.20 0.87 0.00	34.10 0.99 0.00	33.26 1.03 0.00	34.59 1.01 0.00	35.32 1.00 0.00	34.17 0.70 0.00	33.59 0.46 0.00	37.27 0.66 0.25	39.96 0.44 0.31	43.58 0.04 0.41	46.25 0.00 0.48	51.11 0.10 0.53	54.42 0.33 0.65	62.41 0.50 0.77	72.32 1.15 0.51	81.95 2.00 0.22	82.38 2.01 0.02	76.09 1.93 0.00	68.36 1.60 0.00	61.65 1.56 0.00	54.92 1.08 0.00	48.26 0.81 0.00
SOUTH HAMPTN___IC 23720	46.03 3.17 -0.08	41.95 2.74 0.00	38.47 2.14 0.00	34.86 1.75 0.00	34.49 2.26 0.00	36.04 2.45 0.00	36.46 2.13 0.00	35.51 2.04 0.00	35.62 2.49 0.00	40.78 3.17 -0.76	43.83 3.07 -0.94	47.25 2.07 -1.23	49.97 2.29 -0.95	55.38 2.27 -1.58	59.72 3.01 -1.97	68.16 3.13 -2.34	77.36 4.16 -1.53	84.99 4.81 0.00	83.76 3.38 0.01	75.86 1.71 0.01	66.66 0.74 0.84	50.70 0.78 10.17	48.25 0.27 5.86	46.77 0.43 1.11
SOUTHDOWN_115KV_TB1 355954	44.63 1.84 0.00	42.11 2.90 0.00	37.85 1.53 0.00	33.97 0.86 0.00	32.81 0.58 0.00	33.99 0.40 0.00	34.88 0.55 0.00	34.13 0.67 0.00	33.76 0.63 0.00	38.59 1.73 0.00	41.94 2.11 0.00	47.95 4.00 0.00	51.04 4.30 0.00	56.64 5.10 0.00	60.38 5.64 0.00	68.89 6.21 0.00	77.84 6.16 0.00	87.15 6.97 0.00	87.07 6.67 0.00	80.99 6.82 0.00	73.10 6.34 0.00	65.55 5.47 0.00	59.60 5.76 0.00	52.01 4.56 0.00
SOUTHOLD_69_KV_BK 2 55809	46.85 3.98 -0.08	42.85 3.65 0.00	39.34 3.02 0.00	35.59 2.48 0.00	35.26 3.03 0.00	36.88 3.29 0.00	37.25 2.92 0.00	36.27 2.81 0.00	36.38 3.25 0.00	41.74 4.13 -0.76	44.99 4.22 -0.94	48.61 3.43 -1.23	51.56 3.88 -0.95	57.19 4.07 -1.58	61.75 5.04 -1.97	70.61 5.58 -2.34	80.16 6.95 -1.53	88.35 8.18 0.00	86.98 6.59 0.01	78.45 4.30 0.01	68.79 2.87 0.84	52.50 2.58 10.17	49.75 1.78 5.86	48.00 1.66 1.11
SOUTHOLD___IC 23719	47.02 4.15 -0.08	42.89 3.68 0.00	39.34 3.01 0.00	35.59 2.48 0.00	35.26 3.03 0.00	36.88 3.29 0.00	37.24 2.92 0.00	36.28 2.81 0.00	36.38 3.25 0.00	41.74 4.13 -0.76	44.99 4.22 -0.94	48.65 3.47 -1.23	51.56 3.88 -0.95	57.19 4.07 -1.58	61.75 5.03 -1.97	70.60 5.58 -2.34	80.15 6.95 -1.53	88.27 8.09 0.00	86.82 6.43 0.01	78.45 4.30 0.01	68.79 2.87 0.84	52.50 2.58 10.17	49.75 1.77 5.86	48.05 1.71 1.11
SOUTH_FORK_WT_PWR 323839	47.10 4.24 -0.08	43.01 3.80 0.00	39.49 3.16 0.00	35.72 2.61 0.00	35.39 3.16 0.00	37.01 3.43 0.00	37.35 3.02 0.00	36.37 2.91 0.00	36.51 3.38 0.00	41.85 4.24 -0.76	45.19 4.42 -0.94	48.87 3.69 -1.23	51.80 4.11 -0.95	57.45 4.33 -1.58	62.02 5.31 -1.97	70.92 5.89 -2.34	80.52 7.31 -1.53	88.67 8.49 0.00	87.14 6.75 0.01	78.75 4.60 0.01	69.00 3.07 0.84	52.68 2.77 10.17	49.91 1.94 5.86	48.19 1.85 1.11
SPIERFLS_115KV_TB 1 80737	44.14 1.41 0.07	40.50 1.29 0.00	37.49 1.16 0.00	34.26 1.16 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.53 1.20 0.00	34.50 1.04 0.00	34.12 0.99 0.00	37.09 0.88 0.65	39.55 0.52 0.80	43.11 0.22 1.06	45.81 0.33 1.25	50.48 0.31 1.37	53.59 0.55 1.70	61.68 1.00 2.01	71.80 1.43 1.31	82.17 2.08 0.09	83.93 3.54 0.00	77.72 3.56 0.00	69.83 3.07 0.00	62.91 2.82 0.00	56.10 2.26 0.00	49.12 1.66 0.00
ST LAWRENCE____ 23600	43.17 0.38 0.00	39.52 0.31 0.00	36.62 0.29 0.00	33.40 0.30 0.00	32.49 0.26 0.00	33.92 0.34 0.00	34.71 0.38 0.00	33.80 0.33 0.00	33.30 0.17 0.00	37.04 0.19 0.00	40.07 0.24 0.00	44.17 0.22 0.00	46.78 0.05 0.00	51.59 0.05 0.00	54.74 0.00 0.00	62.69 0.00 0.00	71.82 0.14 0.00	79.22 0.40 1.35	79.46 0.40 1.33	72.61 0.37 1.93	64.61 0.40 2.55	57.23 0.30 3.16	50.39 0.22 3.66	46.63 0.29 1.11



STATE_CA_115KV_115_LB 55624	42.60 -0.13 0.06	39.01 -0.20 0.00	36.25 -0.07 0.00	33.24 0.13 0.00	32.43 0.19 0.00	33.75 0.17 0.00	34.46 0.14 0.00	33.56 0.10 0.00	33.30 0.17 0.00	36.25 0.00 0.61	38.96 -0.12 0.75	42.47 -0.48 0.99	45.10 -0.47 1.17	49.69 -0.57 1.28	52.66 -0.49 1.59	60.24 -0.56 1.88	69.88 -0.57 1.23	79.37 -0.72 0.08	79.75 -0.64 0.00	73.27 -0.89 0.00	65.76 -1.00 0.00	59.37 -0.72 0.00	53.09 -0.75 0.00	46.84 -0.62 0.00
STATE_ST_34_KV_LOAD 55959	43.09 0.30 0.00	39.67 0.47 0.00	36.44 0.11 0.00	33.07 -0.03 0.00	32.17 -0.06 0.00	33.52 -0.07 0.00	34.26 -0.07 0.00	33.40 -0.07 0.00	33.00 -0.13 0.00	36.89 0.04 0.00	39.99 0.16 0.00	44.56 0.62 0.00	47.44 0.70 0.00	52.52 0.98 0.00	55.78 1.04 0.00	64.07 1.38 0.00	73.18 1.51 0.00	82.10 1.92 0.00	82.64 2.25 0.00	76.46 2.30 0.00	68.96 2.20 0.00	61.83 1.74 0.00	55.46 1.62 0.00	48.59 1.14 0.00
STATION_5_MISC_HYD 23604	43.17 0.38 0.00	40.14 0.94 0.00	36.69 0.36 0.00	33.04 -0.07 0.00	32.01 -0.22 0.00	33.25 -0.34 0.00	34.02 -0.31 0.00	33.16 -0.30 0.00	32.67 -0.46 0.00	37.15 0.29 0.00	40.35 0.52 0.00	45.66 1.71 0.00	48.61 1.87 0.00	54.01 2.47 0.00	57.42 2.68 0.00	65.76 3.07 0.00	74.62 2.94 0.00	83.70 3.52 0.00	84.17 3.78 0.00	77.42 3.26 0.00	70.10 3.34 0.00	62.79 2.71 0.00	56.59 2.74 0.00	49.54 2.09 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	43.09 0.30 0.00	40.07 0.86 0.00	36.54 0.22 0.00	33.01 -0.10 0.00	32.01 -0.23 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.23 -0.23 0.00	32.80 -0.33 0.00	37.04 0.18 0.00	40.19 0.36 0.00	45.22 1.27 0.00	48.14 1.40 0.00	53.44 1.91 0.00	56.77 2.03 0.00	65.13 2.44 0.00	74.04 2.37 0.00	83.06 2.89 0.00	83.45 3.05 0.00	77.13 2.97 0.00	69.70 2.94 0.00	62.43 2.34 0.00	56.10 2.26 0.00	49.16 1.71 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	42.92 0.13 0.00	40.07 0.86 0.00	36.44 0.11 0.00	32.84 -0.26 0.00	31.81 -0.42 0.00	33.08 -0.50 0.00	33.81 -0.51 0.00	33.00 -0.47 0.00	32.57 -0.56 0.00	36.96 0.11 0.00	40.15 0.32 0.00	45.40 1.45 0.00	48.33 1.59 0.00	53.70 2.16 0.00	57.04 2.30 0.00	65.38 2.70 0.00	74.26 2.58 0.00	83.22 3.05 0.00	83.37 2.97 0.00	76.98 2.82 0.00	69.63 2.87 0.00	62.37 2.28 0.00	56.16 2.32 0.00	49.26 1.80 0.00
STA_56___34_KV_BUS2 355983	42.92 0.13 0.00	40.07 0.86 0.00	36.44 0.11 0.00	32.84 -0.26 0.00	31.81 -0.42 0.00	33.08 -0.50 0.00	33.81 -0.51 0.00	33.00 -0.47 0.00	32.57 -0.56 0.00	36.96 0.11 0.00	40.15 0.32 0.00	45.40 1.45 0.00	48.33 1.59 0.00	53.70 2.16 0.00	57.04 2.30 0.00	65.38 2.70 0.00	74.26 2.58 0.00	83.22 3.05 0.00	83.37 2.97 0.00	76.98 2.82 0.00	69.63 2.87 0.00	62.37 2.28 0.00	56.16 2.32 0.00	49.26 1.80 0.00
STA_67___115KV_BK2 355882	43.05 0.26 0.00	40.26 1.06 0.00	36.58 0.25 0.00	32.94 -0.17 0.00	31.94 -0.29 0.00	33.18 -0.40 0.00	33.92 -0.41 0.00	33.06 -0.40 0.00	32.67 -0.46 0.00	37.04 0.18 0.00	40.23 0.40 0.00	45.53 1.58 0.00	48.42 1.68 0.00	53.80 2.27 0.00	57.15 2.41 0.00	65.51 2.82 0.00	74.33 2.65 0.00	83.30 3.13 0.00	83.53 3.14 0.00	77.13 2.97 0.00	69.83 3.07 0.00	62.55 2.46 0.00	56.37 2.53 0.00	49.45 1.99 0.00
STA_7___115KV_9TRANS 80674	43.43 0.64 0.00	40.62 1.41 0.00	36.87 0.54 0.00	33.21 0.10 0.00	32.17 -0.06 0.00	33.45 -0.13 0.00	34.19 -0.14 0.00	33.33 -0.13 0.00	32.90 -0.23 0.00	37.37 0.52 0.00	40.67 0.84 0.00	46.06 2.11 0.00	49.03 2.29 0.00	54.53 2.99 0.00	57.97 3.23 0.00	66.45 3.76 0.00	75.26 3.58 0.00	84.34 4.17 0.00	84.49 4.10 0.00	78.10 3.93 0.00	70.77 4.01 0.00	63.33 3.24 0.00	57.02 3.18 0.00	49.97 2.52 0.00
STA_82___115KV_TB1 80780	43.09 0.30 0.00	40.26 1.06 0.00	36.58 0.25 0.00	32.97 -0.13 0.00	31.94 -0.29 0.00	33.18 -0.40 0.00	33.95 -0.38 0.00	33.06 -0.40 0.00	32.67 -0.46 0.00	37.04 0.18 0.00	40.23 0.40 0.00	45.53 1.58 0.00	48.42 1.68 0.00	53.80 2.27 0.00	57.15 2.41 0.00	65.51 2.82 0.00	74.33 2.65 0.00	83.30 3.13 0.00	83.53 3.14 0.00	77.21 3.04 0.00	69.83 3.07 0.00	62.61 2.52 0.00	56.43 2.58 0.00	49.50 2.04 0.00
STEEL___WIND 323596	43.39 0.60 0.00	40.66 1.45 0.00	36.94 0.62 0.00	33.14 0.03 0.00	32.04 -0.19 0.00	33.12 -0.47 0.00	33.95 -0.38 0.00	33.03 -0.44 0.00	32.53 -0.60 0.00	37.22 0.37 0.00	40.47 0.64 0.00	46.23 2.28 0.00	49.12 2.38 0.00	54.58 3.04 0.00	58.08 3.34 0.00	66.38 3.70 0.00	75.05 3.37 0.00	84.10 3.93 0.00	84.49 4.10 0.00	77.95 3.78 0.00	70.56 3.80 0.00	63.33 3.24 0.00	57.55 3.71 0.00	50.35 2.90 0.00
STEPHTWN_115KV_BK_2 55603	42.73 0.00 0.06	39.09 -0.12 0.00	36.33 0.00 0.00	33.30 0.20 0.00	32.49 0.26 0.00	33.82 0.24 0.00	34.53 0.21 0.00	33.63 0.17 0.00	33.36 0.23 0.00	36.34 0.07 0.59	39.10 0.00 0.73	42.59 -0.40 0.96	45.18 -0.42 1.14	49.83 -0.46 1.24	52.82 -0.38 1.54	60.42 -0.44 1.83	70.13 -0.36 1.19	79.69 -0.40 0.08	79.99 -0.40 0.00	73.72 -0.44 0.00	66.16 -0.60 0.00	59.73 -0.36 0.00	53.41 -0.43 0.00	47.12 -0.33 0.00
STEUBEN_REC_LFGE 323667	44.29 1.50 0.00	41.52 2.31 0.00	37.53 1.20 0.00	33.83 0.73 0.00	32.72 0.48 0.00	33.95 0.37 0.00	34.84 0.51 0.00	33.87 0.40 0.00	33.33 0.20 0.00	37.55 0.70 0.00	40.79 0.96 0.00	46.14 2.20 0.00	49.17 2.43 0.00	54.42 2.89 0.00	57.86 3.12 0.00	66.20 3.51 0.00	75.19 3.51 0.00	84.42 4.25 0.00	85.30 4.90 0.00	79.73 5.56 0.00	72.10 5.34 0.00	64.65 4.57 0.00	58.42 4.58 0.00	51.16 3.70 0.00
STILLWATER___SOLAR 323814	44.09 1.37 0.07	40.46 1.25 0.00	37.49 1.16 0.00	34.23 1.13 0.00	33.36 1.13 0.00	34.76 1.17 0.00	35.50 1.17 0.00	34.50 1.04 0.00	34.12 0.99 0.00	36.98 0.85 0.72	39.66 0.72 0.89	43.26 0.48 1.18	45.95 0.61 1.39	50.69 0.67 1.51	53.73 0.87 1.88	61.71 1.25 2.23	71.87 1.65 1.45	82.16 2.08 0.10	83.13 2.73 0.00	76.91 2.75 0.00	69.16 2.40 0.00	62.31 2.22 0.00	55.67 1.83 0.00	48.97 1.52 0.00
STONY___BROOK 24151	45.48 2.61 -0.08	41.52 2.31 0.00	38.11 1.78 0.00	34.53 1.42 0.00	34.13 1.90 0.00	35.67 2.08 0.00	36.15 1.82 0.00	35.20 1.74 0.00	35.25 2.12 0.00	40.30 2.69 -0.76	43.16 2.39 -0.94	46.37 1.19 -1.23	48.95 1.26 -0.95	54.10 0.98 -1.58	58.25 1.53 -1.97	66.09 1.06 -2.34	74.85 1.65 -1.53	82.10 1.92 0.00	80.95 0.57 0.01	73.41 -0.74 0.01	65.06 -0.87 0.83	49.42 -0.54 10.12	47.36 -0.64 5.84	46.02 -0.33 1.11
STURGEON_POOL_HYD 23609	43.98 1.16 -0.04	39.91 0.71 0.00	37.13 0.80 0.00	33.87 0.76 0.00	33.10 0.87 0.00	34.42 0.84 0.00	35.25 0.93 0.00	34.40 0.94 0.00	34.26 1.13 0.00	38.56 1.33 -0.38	41.69 1.39 -0.47	45.93 1.36 -0.62	48.97 1.50 -0.73	53.78 1.44 -0.80	57.32 1.59 -0.99	65.49 1.63 -1.17	74.45 2.01 -0.77	82.27 2.08 -0.01	81.59 1.21 0.00	74.76 0.59 0.00	67.03 0.27 0.00	60.57 0.48 0.00	54.22 0.38 0.00	47.98 0.52 0.00



ST_LAW_115_BK7_LBMP 345037	43.26 0.47 0.00	39.56 0.35 0.00	36.65 0.33 0.00	33.44 0.33 0.00	32.52 0.29 0.00	33.96 0.37 0.00	34.74 0.41 0.00	33.83 0.37 0.00	33.33 0.20 0.00	37.08 0.22 0.00	40.07 0.24 0.00	44.21 0.27 0.00	46.78 0.05 0.00	51.59 0.05 0.00	54.74 0.00 0.00	62.69 0.00 0.00	71.82 0.14 0.00	78.99 0.48 1.67	79.23 0.49 1.64	72.23 0.45 2.38	64.00 0.47 3.24	56.42 0.36 4.03	49.41 0.33 4.76	46.39 0.33 1.40
ST_LAW_115_BK8_LBMP 345038	43.26 0.47 0.00	39.56 0.35 0.00	36.65 0.33 0.00	33.44 0.33 0.00	32.52 0.29 0.00	33.96 0.37 0.00	34.74 0.41 0.00	33.83 0.37 0.00	33.33 0.20 0.00	37.08 0.22 0.00	40.07 0.24 0.00	44.21 0.27 0.00	46.78 0.05 0.00	51.59 0.05 0.00	54.74 0.00 0.00	62.69 0.00 0.00	71.82 0.14 0.00	78.99 0.48 1.67	79.23 0.49 1.64	72.23 0.45 2.38	64.00 0.47 3.24	56.42 0.36 4.03	49.41 0.33 4.76	46.39 0.33 1.40
ST_LAW_230_BK5_LBMP 345035	43.17 0.38 0.00	39.52 0.31 0.00	36.62 0.29 0.00	33.40 0.30 0.00	32.49 0.26 0.00	33.92 0.34 0.00	34.71 0.38 0.00	33.80 0.33 0.00	33.30 0.17 0.00	37.04 0.19 0.00	40.07 0.24 0.00	44.17 0.22 0.00	46.78 0.05 0.00	51.59 0.05 0.00	54.74 0.00 0.00	62.69 0.00 0.00	71.82 0.14 0.00	79.49 0.40 1.08	79.73 0.40 1.07	72.99 0.37 1.54	65.06 0.40 2.10	57.77 0.30 2.62	50.97 0.22 3.09	46.85 0.29 0.90
ST_LAW_230_BK6_LBMP 345036	43.17 0.38 0.00	39.52 0.31 0.00	36.62 0.29 0.00	33.40 0.30 0.00	32.49 0.26 0.00	33.92 0.34 0.00	34.71 0.38 0.00	33.80 0.33 0.00	33.30 0.17 0.00	37.04 0.19 0.00	40.07 0.24 0.00	44.17 0.22 0.00	46.78 0.05 0.00	51.59 0.05 0.00	54.74 0.00 0.00	62.69 0.00 0.00	71.82 0.14 0.00	79.49 0.40 1.08	79.73 0.40 1.07	72.99 0.37 1.54	65.06 0.40 2.10	57.77 0.30 2.62	50.97 0.22 3.09	46.85 0.29 0.90
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	43.76 0.90 -0.07	39.79 0.59 0.00	37.02 0.69 0.00	33.80 0.70 0.00	33.01 0.77 0.00	34.36 0.77 0.00	35.22 0.89 0.00	34.40 0.94 0.00	34.29 1.16 0.00	38.65 1.14 -0.65	41.83 1.19 -0.81	46.03 1.01 -1.07	49.17 1.17 -1.26	53.94 1.03 -1.37	57.60 1.15 -1.71	65.84 1.13 -2.02	74.43 1.43 -1.32	81.62 1.36 -0.09	81.20 0.80 0.00	74.54 0.37 0.00	66.83 0.07 0.00	60.33 0.24 0.00	54.06 0.22 0.00	47.79 0.33 0.00
SWANROAD_115KV_TB1 355699	42.79 0.00 0.00	40.73 1.53 0.00	36.58 0.25 0.00	32.77 -0.33 0.00	31.68 -0.55 0.00	32.75 -0.84 0.00	33.50 -0.82 0.00	32.06 -1.41 0.00	31.61 -1.52 0.00	36.12 -0.74 0.00	39.27 -0.56 0.00	44.83 0.88 0.00	47.58 0.84 0.00	52.88 1.34 0.00	56.22 1.48 0.00	64.25 1.57 0.00	72.61 0.93 0.00	81.13 0.96 0.00	81.28 0.88 0.00	75.35 1.19 0.00	68.30 1.54 0.00	61.35 1.26 0.00	55.89 2.05 0.00	49.59 2.14 0.00
SYNERGY___BIOGAS 323694	44.16 1.37 0.00	41.67 2.47 0.00	37.56 1.24 0.00	33.67 0.56 0.00	32.55 0.32 0.00	33.79 0.20 0.00	34.50 0.17 0.00	33.30 -0.17 0.00	32.77 -0.36 0.00	37.37 0.52 0.00	40.63 0.80 0.00	46.32 2.37 0.00	49.21 2.48 0.00	54.84 3.30 0.00	58.30 3.56 0.00	66.82 4.14 0.00	75.69 4.01 0.00	85.06 4.89 0.00	85.38 4.98 0.00	79.21 5.04 0.00	71.83 5.07 0.00	64.29 4.21 0.00	58.15 4.31 0.00	51.16 3.70 0.00
SYRACUSE___ENERGY_ST1 323597	42.70 -0.09 0.00	39.28 0.08 0.00	36.18 -0.15 0.00	32.87 -0.23 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.23 -0.23 0.00	32.86 -0.27 0.00	36.71 -0.15 0.00	39.75 -0.08 0.00	44.17 0.22 0.00	47.06 0.33 0.00	52.00 0.46 0.00	55.23 0.49 0.00	63.38 0.69 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.36 0.96 0.00	75.20 1.04 0.00	67.69 0.93 0.00	60.81 0.72 0.00	54.54 0.70 0.00	47.93 0.47 0.00
SYRACUSE___ENERGY_ST2 323598	42.70 -0.09 0.00	39.28 0.08 0.00	36.18 -0.15 0.00	32.87 -0.23 0.00	31.97 -0.26 0.00	33.32 -0.27 0.00	34.05 -0.27 0.00	33.23 -0.23 0.00	32.86 -0.27 0.00	36.71 -0.15 0.00	39.75 -0.08 0.00	44.17 0.22 0.00	47.06 0.33 0.00	52.00 0.46 0.00	55.23 0.49 0.00	63.38 0.69 0.00	72.39 0.72 0.00	80.97 0.80 0.00	81.36 0.96 0.00	75.20 1.04 0.00	67.69 0.93 0.00	60.81 0.72 0.00	54.54 0.70 0.00	47.93 0.47 0.00
SYRACUSE___POWER 24017	42.62 -0.17 0.00	39.20 0.00 0.00	36.11 -0.22 0.00	32.81 -0.30 0.00	31.91 -0.32 0.00	33.22 -0.37 0.00	33.98 -0.34 0.00	33.13 -0.33 0.00	32.80 -0.33 0.00	36.63 -0.22 0.00	39.67 -0.16 0.00	44.03 0.09 0.00	46.97 0.23 0.00	51.85 0.31 0.00	55.07 0.33 0.00	63.19 0.50 0.00	72.18 0.50 0.00	80.73 0.56 0.00	81.12 0.72 0.00	74.98 0.82 0.00	67.56 0.80 0.00	60.69 0.60 0.00	54.43 0.59 0.00	47.83 0.38 0.00
TALLMAN_138KV_BK151 55660	43.89 1.03 -0.07	39.91 0.71 0.00	37.13 0.80 0.00	33.90 0.79 0.00	33.10 0.87 0.00	34.46 0.87 0.00	35.36 1.03 0.00	34.57 1.10 0.00	34.52 1.39 0.00	38.95 1.40 -0.70	42.13 1.43 -0.86	46.36 1.27 -1.14	49.49 1.40 -1.35	54.29 1.29 -1.47	57.98 1.42 -1.82	66.22 1.38 -2.16	74.81 1.72 -1.41	81.87 1.60 -0.09	81.28 0.88 0.00	74.54 0.37 0.00	66.83 0.07 0.00	60.39 0.30 0.00	54.11 0.27 0.00	47.88 0.43 0.00
TEALLAVE_115KV_TB7 355573	42.45 -0.34 0.00	39.09 -0.12 0.00	36.00 -0.33 0.00	32.71 -0.40 0.00	31.81 -0.42 0.00	33.15 -0.44 0.00	33.88 -0.45 0.00	33.03 -0.44 0.00	32.70 -0.43 0.00	36.52 -0.33 0.00	39.55 -0.28 0.00	43.95 0.00 0.00	46.83 0.09 0.00	51.69 0.15 0.00	54.91 0.16 0.00	62.94 0.25 0.00	71.89 0.22 0.00	80.41 0.24 0.00	80.79 0.40 0.00	74.68 0.52 0.00	67.23 0.47 0.00	60.39 0.30 0.00	54.16 0.32 0.00	47.64 0.19 0.00
TELGRAPH_34_KV_EAST 80808	43.52 0.73 0.00	41.20 2.00 0.00	37.09 0.76 0.00	33.24 0.13 0.00	32.10 -0.13 0.00	33.28 -0.30 0.00	34.02 -0.31 0.00	32.79 -0.67 0.00	32.30 -0.83 0.00	36.89 0.04 0.00	40.11 0.28 0.00	45.75 1.80 0.00	48.61 1.87 0.00	54.11 2.58 0.00	57.53 2.79 0.00	65.82 3.13 0.00	74.40 2.72 0.00	83.30 3.13 0.00	83.53 3.14 0.00	77.43 3.26 0.00	70.23 3.47 0.00	62.97 2.88 0.00	57.13 3.28 0.00	50.40 2.94 0.00
TEMPLE___115KV_TB 2 55572	42.49 -0.30 0.00	39.09 -0.12 0.00	36.00 -0.33 0.00	32.74 -0.36 0.00	31.85 -0.39 0.00	33.15 -0.44 0.00	33.88 -0.45 0.00	33.06 -0.40 0.00	32.73 -0.40 0.00	36.56 -0.29 0.00	39.59 -0.24 0.00	43.95 0.00 0.00	46.88 0.14 0.00	51.74 0.21 0.00	54.96 0.22 0.00	63.00 0.31 0.00	71.96 0.29 0.00	80.49 0.32 0.00	80.88 0.48 0.00	74.68 0.52 0.00	67.29 0.53 0.00	60.45 0.36 0.00	54.22 0.38 0.00	47.69 0.24 0.00
TIANA___69_KV_BK 1 55817	45.61 2.74 -0.08	41.67 2.47 0.00	38.29 1.96 0.00	34.69 1.59 0.00	34.33 2.10 0.00	35.87 2.28 0.00	36.28 1.96 0.00	35.37 1.91 0.00	35.42 2.29 0.00	40.56 2.95 -0.76	43.56 2.79 -0.94	46.89 1.71 -1.23	49.65 1.96 -0.95	54.97 1.86 -1.58	59.23 2.52 -1.97	67.66 2.63 -2.34	76.72 3.51 -1.53	84.42 4.25 0.00	83.28 2.89 0.01	75.26 1.11 0.01	66.26 0.33 0.84	50.28 0.36 10.17	47.92 -0.05 5.86	46.44 0.09 1.11



TILDEN___115KV_TB1 80814	42.62 -0.17 0.00	39.20 0.00 0.00	36.11 -0.22 0.00	32.81 -0.30 0.00	31.91 -0.32 0.00	33.22 -0.37 0.00	33.98 -0.34 0.00	33.13 -0.33 0.00	32.80 -0.33 0.00	36.63 -0.22 0.00	39.67 -0.16 0.00	44.03 0.09 0.00	46.97 0.23 0.00	51.85 0.31 0.00	55.07 0.33 0.00	63.19 0.50 0.00	72.18 0.50 0.00	80.73 0.56 0.00	81.12 0.72 0.00	74.98 0.82 0.00	67.56 0.80 0.00	60.69 0.60 0.00	54.43 0.59 0.00	47.83 0.38 0.00
TRIGEN___CC 323695	44.84 1.97 -0.08	40.93 1.72 0.00	37.78 1.45 0.00	34.33 1.22 0.00	33.78 1.55 0.00	35.26 1.68 0.00	35.91 1.58 0.00	35.00 1.54 0.00	34.99 1.86 0.00	39.86 2.25 -0.76	42.80 2.03 -0.94	46.46 1.27 -1.24	49.66 1.54 -1.38	54.42 1.29 -1.59	58.25 1.53 -1.98	66.53 1.50 -2.34	75.14 1.94 -1.53	82.20 1.92 -0.10	81.35 0.96 0.00	74.16 0.00 0.00	66.16 -0.47 0.14	57.55 -0.18 2.35	52.14 -0.32 1.38	47.14 -0.05 0.26
TRINITY__115KV__4 BK 55933	42.43 -0.30 0.06	38.81 -0.39 0.00	36.11 -0.22 0.00	33.11 0.00 0.00	32.30 0.06 0.00	33.62 0.03 0.00	34.33 0.00 0.00	33.43 -0.03 0.00	33.16 0.03 0.00	36.11 -0.15 0.59	38.82 -0.28 0.73	42.27 -0.70 0.97	44.89 -0.70 1.15	49.46 -0.82 1.25	52.37 -0.82 1.55	59.91 -0.94 1.84	69.47 -1.00 1.20	78.89 -1.20 0.08	79.19 -1.21 0.00	72.76 -1.41 0.00	65.29 -1.47 0.00	58.94 -1.14 0.00	52.76 -1.08 0.00	46.60 -0.85 0.00
UNION___PROCESSING_DRP 323587	43.09 0.30 0.00	40.30 1.10 0.00	36.62 0.29 0.00	32.97 -0.13 0.00	31.94 -0.29 0.00	33.22 -0.37 0.00	33.95 -0.38 0.00	33.10 -0.37 0.00	32.67 -0.46 0.00	37.04 0.18 0.00	40.27 0.44 0.00	45.53 1.58 0.00	48.47 1.73 0.00	53.86 2.32 0.00	57.20 2.46 0.00	65.51 2.82 0.00	74.40 2.72 0.00	83.30 3.13 0.00	83.53 3.14 0.00	77.21 3.04 0.00	69.90 3.14 0.00	62.61 2.52 0.00	56.43 2.58 0.00	49.50 2.04 0.00
UPPER HUDSON___HYD 24058	44.13 1.41 0.07	40.54 1.33 0.00	37.49 1.16 0.00	34.26 1.16 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.53 1.20 0.00	34.50 1.04 0.00	34.12 0.99 0.00	37.09 0.88 0.65	39.55 0.52 0.80	43.11 0.22 1.06	45.81 0.33 1.25	50.48 0.31 1.37	53.59 0.55 1.70	61.68 1.00 2.01	71.80 1.43 1.31	82.17 2.08 0.09	83.93 3.53 0.00	77.72 3.56 0.00	69.83 3.07 0.00	62.91 2.82 0.00	56.10 2.26 0.00	49.16 1.71 0.00
UPPER RAQUET___HYD 24056	44.03 1.24 0.00	40.22 1.02 0.00	37.27 0.94 0.00	34.00 0.89 0.00	33.20 0.97 0.00	34.63 1.04 0.00	35.46 1.13 0.00	34.47 1.00 0.00	33.79 0.66 0.00	37.55 0.70 0.00	40.63 0.80 0.00	44.83 0.88 0.00	47.44 0.70 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.75 1.06 0.00	73.19 1.51 0.00	92.72 2.17 -10.38	93.11 2.49 -10.22	91.39 2.44 -14.78	89.28 2.40 -20.12	87.20 2.04 -25.07	85.22 1.77 -29.61	57.51 1.47 -8.58
VALLEY44_115KV_TB2 355964	42.88 0.09 0.00	40.42 1.22 0.00	36.44 0.11 0.00	32.81 -0.30 0.00	31.72 -0.52 0.00	32.78 -0.81 0.00	33.64 -0.69 0.00	32.96 -0.50 0.00	32.67 -0.46 0.00	37.11 0.26 0.00	40.27 0.44 0.00	45.88 1.93 0.00	48.84 2.10 0.00	54.17 2.63 0.00	57.70 2.96 0.00	65.63 2.95 0.00	74.11 2.44 0.00	82.82 2.65 0.00	82.88 2.49 0.00	77.13 2.97 0.00	69.70 2.94 0.00	62.55 2.46 0.00	57.02 3.18 0.00	49.92 2.47 0.00
VALLEY___115KV_TB 1-4 80826	42.62 -0.17 0.00	39.01 -0.20 0.00	36.18 -0.15 0.00	32.97 -0.13 0.00	32.14 -0.10 0.00	33.48 -0.10 0.00	34.22 -0.10 0.00	33.36 -0.10 0.00	33.00 -0.13 0.00	36.74 -0.11 0.00	39.75 -0.08 0.00	43.82 -0.13 0.00	46.60 -0.14 0.00	51.43 -0.10 0.00	54.69 -0.05 0.00	62.69 0.00 0.00	71.61 -0.07 0.00	80.09 -0.08 0.00	80.39 0.00 0.00	74.24 0.07 0.00	66.83 0.07 0.00	60.09 0.00 0.00	53.84 0.00 0.00	47.31 -0.14 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	44.29 1.50 0.00	40.54 1.33 0.00	37.63 1.31 0.00	34.26 1.16 0.00	33.39 1.16 0.00	34.76 1.18 0.00	35.49 1.17 0.00	34.64 1.17 0.00	34.29 1.16 0.00	38.18 1.33 0.00	41.35 1.51 0.00	45.66 1.71 0.00	48.56 1.82 0.00	53.70 2.16 0.00	57.15 2.41 0.00	65.51 2.82 0.00	74.83 3.15 0.00	83.54 3.37 0.00	83.93 3.54 0.00	77.43 3.26 0.00	69.76 3.00 0.00	62.73 2.64 0.00	56.21 2.37 0.00	49.35 1.90 0.00
VISCHER___FERRY HYD 24020	43.38 0.68 0.09	39.83 0.63 0.00	36.98 0.65 0.00	33.80 0.70 0.00	32.97 0.74 0.00	34.32 0.74 0.00	35.05 0.72 0.00	34.13 0.67 0.00	33.83 0.70 0.00	36.55 0.59 0.89	39.17 0.44 1.10	42.72 0.22 1.45	45.30 0.28 1.72	49.98 0.31 1.87	52.81 0.39 2.32	60.44 0.50 2.75	70.60 0.72 1.80	80.85 0.80 0.12	81.36 0.97 0.00	75.13 0.96 0.00	67.56 0.80 0.00	60.93 0.84 0.00	54.49 0.65 0.00	48.03 0.57 0.00
V_A_10_SYNC_DSASP 323832	42.53 -0.26 0.00	40.18 0.98 0.00	36.25 -0.07 0.00	32.58 -0.53 0.00	31.52 -0.71 0.00	32.64 -0.94 0.00	33.43 -0.89 0.00	32.53 -0.94 0.00	32.14 -0.99 0.00	36.52 -0.33 0.00	39.71 -0.12 0.00	45.13 1.19 0.00	47.95 1.22 0.00	53.24 1.70 0.00	56.60 1.86 0.00	64.69 2.01 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.00 1.61 0.00	75.94 1.78 0.00	68.76 2.00 0.00	61.77 1.68 0.00	56.05 2.21 0.00	49.26 1.80 0.00
V_CMM_10_SYNC_DSASP 323787	43.43 0.64 0.00	39.71 0.51 0.00	36.80 0.47 0.00	33.60 0.50 0.00	32.68 0.45 0.00	34.09 0.50 0.00	34.91 0.58 0.00	34.00 0.53 0.00	33.46 0.33 0.00	37.22 0.37 0.00	40.27 0.44 0.00	44.39 0.44 0.00	47.02 0.28 0.00	51.85 0.31 0.00	55.02 0.28 0.00	63.00 0.32 0.00	72.18 0.51 0.00	79.39 0.88 1.67	79.64 0.89 1.64	72.60 0.82 2.38	64.33 0.80 3.24	56.72 0.66 4.03	49.67 0.59 4.76	46.63 0.57 1.40
V_CMP_10_SYNC_DSASP 323788	43.90 1.11 0.00	40.11 0.90 0.00	37.12 0.80 0.00	33.90 0.79 0.00	33.00 0.77 0.00	34.46 0.87 0.00	35.29 0.96 0.00	34.40 0.94 0.00	33.83 0.70 0.00	37.63 0.78 0.00	40.75 0.92 0.00	44.91 0.97 0.00	47.30 0.56 0.00	52.16 0.62 0.00	55.29 0.55 0.00	63.31 0.63 0.00	72.68 1.00 0.00	82.21 1.52 -0.52	82.59 1.69 -0.51	76.39 1.48 -0.74	69.17 1.40 -1.00	62.30 0.96 -1.25	55.91 0.59 -1.48	48.03 0.57 0.00
V_D_10_SYNC_DSASP 323841	43.95 1.16 0.00	40.19 0.98 0.00	37.23 0.91 0.00	33.97 0.86 0.00	33.07 0.84 0.00	34.49 0.91 0.00	35.32 1.00 0.00	34.37 0.90 0.00	33.79 0.66 0.00	37.59 0.74 0.00	40.67 0.84 0.00	44.83 0.88 0.00	47.48 0.75 0.00	52.41 0.88 0.00	55.56 0.82 0.00	63.69 1.00 0.00	73.04 1.36 0.00	97.11 1.76 -15.17	97.18 1.85 -14.94	97.49 1.71 -21.61	97.84 1.67 -29.41	98.17 1.44 -36.64	98.42 1.29 -43.28	61.31 1.19 -12.67
V_E_10_SYNC_DSASP 323830	46.17 3.38 0.00	42.34 3.14 0.00	38.94 2.62 0.00	35.39 2.28 0.00	34.45 2.22 0.00	35.90 2.32 0.00	36.69 2.37 0.00	35.81 2.34 0.00	35.05 1.92 0.00	39.10 2.25 0.00	42.42 2.59 0.00	47.20 3.25 0.00	50.20 3.46 0.00	55.97 4.43 0.00	59.61 4.87 0.00	68.52 5.83 0.00	78.41 6.74 0.00	88.19 8.02 0.00	89.79 9.40 0.00	83.21 9.04 0.00	75.10 8.34 0.00	67.17 7.09 0.00	60.14 6.30 0.00	52.34 4.89 0.00



V_F_30_NSYNC___DSASP 323816	44.18 1.46 0.07	40.54 1.33 0.00	37.56 1.24 0.00	34.30 1.19 0.00	33.39 1.16 0.00	34.83 1.24 0.00	35.56 1.23 0.00	34.57 1.10 0.00	34.19 1.06 0.00	37.12 0.96 0.69	39.82 0.84 0.85	43.48 0.66 1.12	46.15 0.75 1.33	50.91 0.82 1.45	53.98 1.04 1.80	62.00 1.44 2.13	72.15 1.86 1.39	82.41 2.33 0.09	83.37 2.98 0.00	77.13 2.97 0.00	69.30 2.54 0.00	62.43 2.34 0.00	55.78 1.94 0.00	49.07 1.61 0.00
V_F_30_SYNC_DSASP 323786	42.60 -0.13 0.06	39.01 -0.20 0.00	36.25 -0.07 0.00	33.24 0.13 0.00	32.43 0.19 0.00	33.75 0.17 0.00	34.46 0.14 0.00	33.56 0.10 0.00	33.30 0.17 0.00	36.25 0.00 0.61	38.96 -0.12 0.75	42.47 -0.48 0.99	45.10 -0.47 1.17	49.69 -0.57 1.28	52.66 -0.49 1.58	60.25 -0.56 1.88	69.88 -0.57 1.23	79.37 -0.72 0.08	79.75 -0.64 0.00	73.27 -0.89 0.00	65.76 -1.00 0.00	59.37 -0.72 0.00	53.09 -0.75 0.00	46.84 -0.62 0.00
V_XM_10_SYNC_DSASP 323789	43.90 1.11 0.00	40.11 0.90 0.00	37.12 0.80 0.00	33.90 0.79 0.00	33.00 0.77 0.00	34.46 0.87 0.00	35.29 0.96 0.00	34.40 0.94 0.00	33.83 0.70 0.00	37.63 0.78 0.00	40.75 0.92 0.00	44.91 0.97 0.00	47.30 0.56 0.00	52.16 0.62 0.00	55.29 0.55 0.00	63.31 0.63 0.00	72.68 1.00 0.00	82.21 1.52 -0.52	82.59 1.69 -0.51	76.39 1.48 -0.74	69.17 1.40 -1.00	62.30 0.96 -1.25	55.91 0.59 -1.48	48.03 0.57 0.00
W.BABYLN_69_KV_BK1 56697	45.69 2.82 -0.08	41.79 2.59 0.00	38.43 2.11 0.00	34.83 1.72 0.00	34.39 2.16 0.00	35.90 2.32 0.00	36.46 2.13 0.00	35.51 2.04 0.00	35.52 2.39 0.00	40.56 2.95 -0.76	43.48 2.71 -0.94	46.76 1.58 -1.23	49.53 1.78 -1.02	54.72 1.60 -1.58	58.74 2.03 -1.98	66.97 1.94 -2.34	75.86 2.65 -1.53	83.16 2.97 -0.02	82.24 1.85 0.01	74.60 0.44 0.01	66.04 0.00 0.72	51.35 0.24 8.98	48.61 -0.05 5.18	46.66 0.19 0.98
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	44.15 1.28 -0.07	40.15 0.94 0.00	37.31 0.98 0.00	34.10 0.99 0.00	33.30 1.06 0.00	34.66 1.07 0.00	35.56 1.24 0.00	34.77 1.31 0.00	34.69 1.56 0.00	39.15 1.58 -0.71	42.38 1.67 -0.88	46.65 1.54 -1.16	49.84 1.73 -1.37	54.68 1.65 -1.49	58.40 1.81 -1.86	66.70 1.82 -2.20	75.34 2.22 -1.44	82.51 2.24 -0.10	81.92 1.53 0.00	75.13 0.96 0.00	67.29 0.53 0.00	60.81 0.72 0.00	54.43 0.59 0.00	48.17 0.71 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	44.41 1.54 -0.08	40.30 1.10 0.00	37.45 1.13 0.00	34.17 1.06 0.00	33.39 1.16 0.00	34.79 1.21 0.00	35.77 1.44 0.00	34.94 1.47 0.00	34.89 1.76 0.00	39.42 1.81 -0.76	42.72 1.95 -0.94	46.94 1.76 -1.24	50.12 1.92 -1.47	54.88 1.75 -1.60	58.58 1.86 -1.98	66.85 1.82 -2.35	75.50 2.29 -1.53	82.52 2.24 -0.10	81.68 1.29 0.00	74.83 0.67 0.00	66.96 0.20 0.00	60.57 0.48 0.00	54.43 0.59 0.00	48.21 0.76 0.00
W50THST__13_KV_LOAD 356117	44.62 1.75 -0.08	40.50 1.29 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.52 1.29 0.00	34.93 1.34 0.00	35.94 1.61 0.00	35.10 1.64 0.00	35.08 1.95 0.00	39.64 2.03 -0.76	42.96 2.19 -0.94	47.21 2.02 -1.24	50.40 2.20 -1.47	55.19 2.06 -1.60	58.91 2.19 -1.98	67.23 2.19 -2.35	75.93 2.72 -1.53	83.00 2.73 -0.10	82.16 1.77 0.00	75.28 1.11 0.00	67.29 0.53 0.00	60.87 0.78 0.00	54.70 0.86 0.00	48.50 1.04 0.00
WADING RIVER_IC_1 23522	45.05 2.18 -0.08	41.05 1.84 0.00	37.67 1.34 0.00	34.13 1.03 0.00	33.78 1.55 0.00	35.30 1.71 0.00	35.74 1.41 0.00	34.80 1.34 0.00	34.85 1.72 0.00	39.86 2.25 -0.76	42.72 1.95 -0.94	45.93 0.75 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	65.97 0.94 -2.34	74.85 1.65 -1.53	82.18 2.01 0.00	81.03 0.64 0.01	73.41 -0.74 0.01	64.72 -1.20 0.84	49.01 -0.90 10.17	46.84 -1.13 5.87	45.58 -0.76 1.11
WADING RIVER_IC_2 23547	45.05 2.18 -0.08	41.05 1.84 0.00	37.67 1.34 0.00	34.13 1.03 0.00	33.78 1.55 0.00	35.30 1.71 0.00	35.74 1.41 0.00	34.80 1.34 0.00	34.85 1.72 0.00	39.86 2.25 -0.76	42.72 1.95 -0.94	45.93 0.75 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	65.97 0.94 -2.34	74.85 1.65 -1.53	82.18 2.01 0.00	81.03 0.64 0.01	73.41 -0.74 0.01	64.72 -1.20 0.84	49.01 -0.90 10.17	46.84 -1.13 5.87	45.58 -0.76 1.11
WADING RIVER_IC_3 23601	45.05 2.18 -0.08	41.05 1.84 0.00	37.67 1.34 0.00	34.13 1.03 0.00	33.78 1.55 0.00	35.30 1.71 0.00	35.74 1.41 0.00	34.80 1.34 0.00	34.85 1.72 0.00	39.86 2.25 -0.76	42.72 1.95 -0.94	45.93 0.75 -1.23	48.53 0.84 -0.95	53.74 0.62 -1.58	57.87 1.15 -1.97	65.97 0.94 -2.34	74.85 1.65 -1.53	82.18 2.01 0.00	81.03 0.64 0.01	73.41 -0.74 0.01	64.72 -1.20 0.84	49.01 -0.90 10.17	46.84 -1.13 5.87	45.58 -0.76 1.11
WALDENNY_12_KV_BK2 80841	43.47 0.68 0.00	41.20 2.00 0.00	37.02 0.69 0.00	33.21 0.10 0.00	32.10 -0.13 0.00	33.22 -0.37 0.00	34.02 -0.31 0.00	33.06 -0.40 0.00	32.63 -0.50 0.00	37.26 0.41 0.00	40.55 0.72 0.00	46.32 2.37 0.00	49.21 2.48 0.00	54.68 3.14 0.00	58.24 3.50 0.00	66.57 3.89 0.00	75.26 3.58 0.00	84.10 3.93 0.00	84.17 3.78 0.00	78.10 3.93 0.00	70.63 3.87 0.00	63.39 3.30 0.00	57.61 3.77 0.00	50.59 3.13 0.00
WALDEN___HYDRO 24148	43.96 1.11 -0.06	39.99 0.78 0.00	37.20 0.87 0.00	33.93 0.83 0.00	33.17 0.93 0.00	34.49 0.91 0.00	35.39 1.06 0.00	34.53 1.07 0.00	34.39 1.26 0.00	38.74 1.29 -0.60	41.88 1.31 -0.74	46.11 1.19 -0.98	49.25 1.36 -1.15	54.08 1.29 -1.26	57.72 1.42 -1.56	65.98 1.44 -1.85	74.75 1.86 -1.21	82.18 1.92 -0.08	81.84 1.45 0.00	75.05 0.89 0.00	67.29 0.53 0.00	60.75 0.66 0.00	54.38 0.54 0.00	48.07 0.62 0.00
WARRENSBURG____ 23737	44.14 1.41 0.07	40.50 1.29 0.00	37.49 1.16 0.00	34.26 1.16 0.00	33.36 1.13 0.00	34.79 1.21 0.00	35.53 1.20 0.00	34.50 1.04 0.00	34.12 0.99 0.00	37.09 0.88 0.65	39.55 0.52 0.80	43.11 0.22 1.06	45.81 0.33 1.25	50.48 0.31 1.37	53.59 0.55 1.70	61.68 1.00 2.01	71.80 1.43 1.31	82.17 2.08 0.09	83.93 3.54 0.00	77.72 3.56 0.00	69.83 3.07 0.00	62.91 2.82 0.00	56.10 2.26 0.00	49.12 1.66 0.00
WATERSIDE___6 8 9 23538	44.58 1.71 -0.08	40.50 1.29 0.00	37.63 1.31 0.00	34.33 1.22 0.00	33.52 1.29 0.00	34.93 1.34 0.00	35.91 1.58 0.00	35.07 1.61 0.00	35.02 1.89 0.00	39.60 1.99 -0.76	42.88 2.11 -0.94	47.12 1.93 -1.24	50.21 2.01 -1.47	54.83 1.70 -1.60	58.20 1.48 -1.98	66.22 1.19 -2.35	75.07 1.86 -1.53	82.04 1.76 -0.10	80.96 0.56 0.00	74.09 -0.07 0.00	66.29 -0.47 0.00	60.03 -0.06 0.00	54.60 0.75 0.00	48.45 1.00 0.00
WATKINRD_115KV_LN8_ILLION 55919	42.62 -0.17 0.00	39.01 -0.20 0.00	36.18 -0.15 0.00	32.97 -0.13 0.00	32.14 -0.10 0.00	33.48 -0.10 0.00	34.22 -0.10 0.00	33.36 -0.10 0.00	33.03 -0.10 0.00	36.71 -0.15 0.00	39.71 -0.12 0.00	43.77 -0.18 0.00	46.55 -0.19 0.00	51.38 -0.15 0.00	54.63 -0.11 0.00	62.56 -0.13 0.00	71.53 -0.14 0.00	80.01 -0.16 0.00	80.31 -0.08 0.00	74.09 -0.07 0.00	66.69 -0.07 0.00	60.03 -0.06 0.00	53.73 -0.11 0.00	47.27 -0.19 0.00



WDELAWARE___HYD 323627	43.99 1.16 -0.05	40.11 0.90 0.00	37.20 0.87 0.00	33.93 0.83 0.00	33.13 0.90 0.00	34.49 0.91 0.00	35.36 1.03 0.00	34.47 1.00 0.00	34.29 1.16 0.00	38.54 1.21 -0.48	41.66 1.24 -0.59	45.91 1.19 -0.78	49.02 1.36 -0.92	53.93 1.39 -1.00	57.57 1.59 -1.25	65.91 1.75 -1.47	74.87 2.22 -0.96	82.71 2.49 -0.05	82.48 2.09 0.00	75.87 1.71 0.00	68.03 1.27 0.00	61.35 1.26 0.00	54.86 1.02 0.00	48.40 0.95 0.00
WEST BABYLON___IC 23714	45.69 2.82 -0.08	41.79 2.59 0.00	38.43 2.11 0.00	34.83 1.72 0.00	34.39 2.16 0.00	35.90 2.32 0.00	36.46 2.13 0.00	35.51 2.04 0.00	35.52 2.39 0.00	40.56 2.95 -0.76	43.48 2.71 -0.94	46.76 1.58 -1.23	49.53 1.78 -1.02	54.72 1.60 -1.58	58.74 2.03 -1.98	66.97 1.94 -2.34	75.86 2.65 -1.53	83.16 2.97 -0.02	82.24 1.85 0.01	74.60 0.44 0.01	66.04 0.00 0.72	51.35 0.24 8.98	48.61 -0.05 5.18	46.66 0.19 0.98
WEST CANADA___HYD 24049	42.75 -0.04 0.00	39.17 -0.04 0.00	36.33 0.00 0.00	33.11 0.00 0.00	32.23 0.00 0.00	33.59 0.00 0.00	34.33 0.00 0.00	33.46 0.00 0.00	33.13 0.00 0.00	36.82 -0.04 0.00	39.79 -0.04 0.00	43.86 -0.09 0.00	46.69 -0.05 0.00	51.49 -0.05 0.00	54.69 -0.05 0.00	62.62 -0.06 0.00	71.61 -0.07 0.00	80.09 -0.08 0.00	80.31 -0.08 0.00	74.09 -0.07 0.00	66.69 -0.07 0.00	60.03 -0.06 0.00	53.79 -0.05 0.00	47.36 -0.09 0.00
WESTERN_NY_WIND 24143	44.12 1.33 0.00	41.67 2.47 0.00	37.53 1.20 0.00	33.64 0.53 0.00	32.52 0.29 0.00	33.75 0.17 0.00	34.46 0.14 0.00	33.26 -0.20 0.00	32.73 -0.40 0.00	37.33 0.48 0.00	40.59 0.76 0.00	46.28 2.33 0.00	49.17 2.43 0.00	54.78 3.25 0.00	58.24 3.50 0.00	66.70 4.01 0.00	75.55 3.87 0.00	84.90 4.73 0.00	85.30 4.90 0.00	79.06 4.89 0.00	71.77 5.01 0.00	64.23 4.15 0.00	58.10 4.25 0.00	51.11 3.65 0.00
WESTOVER___LESR 323668	43.18 0.39 0.00	39.87 0.67 0.00	36.65 0.33 0.00	33.27 0.17 0.00	32.33 0.10 0.00	33.59 0.00 0.00	34.36 0.03 0.00	33.53 0.07 0.00	33.23 0.10 0.00	37.15 0.29 0.00	40.23 0.40 0.00	44.83 0.88 0.00	47.77 1.03 0.00	52.77 1.24 0.00	56.11 1.37 0.00	64.25 1.57 0.00	73.25 1.58 0.00	81.86 1.68 0.00	82.16 1.77 0.00	76.09 1.93 0.00	68.56 1.80 0.00	61.65 1.56 0.00	55.40 1.56 0.00	48.69 1.23 0.00
WETHRSFD_WT_PWR 323626	43.31 0.52 0.00	40.42 1.22 0.00	36.83 0.51 0.00	33.11 0.00 0.00	32.04 -0.19 0.00	33.18 -0.40 0.00	33.98 -0.34 0.00	32.96 -0.50 0.00	32.37 -0.76 0.00	36.78 -0.07 0.00	39.95 0.12 0.00	45.40 1.45 0.00	48.28 1.54 0.00	53.54 2.01 0.00	56.93 2.19 0.00	65.13 2.44 0.00	73.76 2.08 0.00	82.66 2.49 0.00	83.37 2.98 0.00	77.35 3.19 0.00	70.03 3.27 0.00	62.85 2.77 0.00	56.96 3.12 0.00	49.87 2.42 0.00
WHAVSTOR_138KV_BK127 55557	43.80 0.94 -0.07	39.83 0.63 0.00	37.05 0.73 0.00	33.87 0.76 0.00	33.07 0.84 0.00	34.42 0.84 0.00	35.32 1.00 0.00	34.53 1.07 0.00	34.45 1.33 0.00	38.86 1.29 -0.71	42.07 1.35 -0.88	46.25 1.14 -1.16	49.42 1.31 -1.38	54.17 1.13 -1.50	57.86 1.26 -1.86	66.08 1.19 -2.20	74.55 1.43 -1.44	81.63 1.36 -0.10	81.04 0.64 0.00	74.31 0.15 0.00	66.63 -0.13 0.00	60.21 0.12 0.00	53.95 0.11 0.00	47.74 0.28 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	43.80 0.94 -0.07	39.83 0.63 0.00	37.05 0.73 0.00	33.87 0.76 0.00	33.07 0.84 0.00	34.42 0.84 0.00	35.32 1.00 0.00	34.53 1.07 0.00	34.45 1.33 0.00	38.86 1.29 -0.71	42.07 1.35 -0.88	46.25 1.14 -1.16	49.42 1.31 -1.38	54.17 1.13 -1.50	57.86 1.26 -1.86	66.08 1.19 -2.20	74.55 1.43 -1.44	81.63 1.36 -0.10	81.04 0.64 0.00	74.31 0.15 0.00	66.63 -0.13 0.00	60.21 0.12 0.00	53.95 0.11 0.00	47.74 0.28 0.00
WHITEHAL_115KV_TB1 80871	45.20 2.48 0.07	41.52 2.31 0.00	38.36 2.03 0.00	35.03 1.92 0.00	34.10 1.87 0.00	35.60 2.02 0.00	36.32 1.99 0.00	35.20 1.74 0.00	34.75 1.62 0.00	37.74 1.55 0.66	40.33 1.31 0.82	43.96 1.10 1.09	46.71 1.26 1.29	51.48 1.34 1.40	54.76 1.75 1.74	63.07 2.44 2.06	73.56 3.23 1.34	84.41 4.33 0.09	86.50 6.11 0.00	80.25 6.08 0.00	72.10 5.34 0.00	64.89 4.81 0.00	57.83 3.98 0.00	50.49 3.04 0.00
WHITEPLN_13_KV_LOAD 356215	44.62 1.75 -0.08	40.50 1.29 0.00	37.63 1.31 0.00	34.30 1.19 0.00	33.55 1.32 0.00	34.93 1.34 0.00	35.87 1.54 0.00	35.04 1.57 0.00	34.92 1.79 0.00	39.53 1.92 -0.76	42.84 2.07 -0.93	47.12 1.93 -1.24	50.40 2.20 -1.46	55.24 2.11 -1.59	59.02 2.30 -1.98	67.47 2.44 -2.34	76.14 2.94 -1.53	83.24 2.97 -0.10	82.72 2.33 0.00	75.65 1.48 0.00	67.83 1.07 0.00	61.23 1.14 0.00	54.92 1.08 0.00	48.59 1.14 0.00
WM_FLOYD_69_KV_BK2 356380	45.26 2.40 -0.08	41.36 2.16 0.00	38.03 1.71 0.00	34.46 1.36 0.00	34.07 1.84 0.00	35.60 2.02 0.00	36.04 1.72 0.00	35.10 1.64 0.00	35.12 1.99 0.00	40.15 2.54 -0.76	43.04 2.27 -0.94	46.19 1.01 -1.23	48.85 1.17 -0.95	54.05 0.93 -1.58	58.19 1.48 -1.97	66.41 1.38 -2.34	75.28 2.08 -1.53	82.74 2.57 0.00	81.75 1.37 0.01	74.00 -0.15 0.01	65.26 -0.67 0.84	49.52 -0.42 10.15	47.34 -0.65 5.85	45.92 -0.43 1.11
WOODARD___115KV_TB2 355635	42.41 -0.39 0.00	39.01 -0.20 0.00	35.93 -0.40 0.00	32.68 -0.43 0.00	31.78 -0.45 0.00	33.08 -0.50 0.00	33.85 -0.48 0.00	33.00 -0.47 0.00	32.67 -0.46 0.00	36.45 -0.41 0.00	39.51 -0.32 0.00	43.82 -0.13 0.00	46.74 0.00 0.00	51.59 0.05 0.00	54.80 0.05 0.00	62.81 0.13 0.00	71.75 0.07 0.00	80.25 0.08 0.00	80.63 0.24 0.00	74.46 0.30 0.00	67.09 0.33 0.00	60.27 0.18 0.00	54.06 0.22 0.00	47.55 0.09 0.00
WOODMERE_69_KV_BK1 55827	45.61 2.74 -0.08	41.60 2.39 0.00	38.36 2.03 0.00	34.79 1.69 0.00	34.30 2.06 0.00	35.77 2.18 0.00	36.39 2.06 0.00	35.47 2.01 0.00	35.45 2.32 0.00	40.45 2.84 -0.76	43.48 2.71 -0.94	47.25 2.07 -1.24	50.55 2.38 -1.43	55.45 2.32 -1.59	59.46 2.74 -1.98	67.91 2.88 -2.34	76.72 3.51 -1.53	84.06 3.69 -0.20	83.04 2.65 0.00	75.64 1.48 0.00	67.51 0.80 0.05	59.90 0.90 1.09	53.70 0.54 0.68	47.99 0.66 0.13
YORK___WARBASSE 23770	44.79 1.93 -0.08	40.66 1.45 0.00	37.78 1.45 0.00	34.43 1.32 0.00	33.62 1.39 0.00	35.03 1.44 0.00	35.98 1.65 0.00	35.14 1.67 0.00	35.08 1.95 0.00	39.68 2.06 -0.76	43.00 2.23 -0.94	47.25 2.07 -1.24	50.26 2.06 -1.47	54.88 1.75 -1.60	58.31 1.59 -1.98	66.22 1.19 -2.35	75.15 1.94 -1.53	82.12 1.84 -0.10	80.96 0.56 0.00	74.16 0.00 0.00	66.36 -0.40 0.00	60.09 0.00 0.00	54.65 0.81 0.00	48.64 1.19 0.00