

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

09/06/2023

Name	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
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	37.32	34.51	32.17	31.03	31.41	32.54	35.41	38.79	40.71	41.76	45.19	52.60	54.02	61.32	72.18	77.58	108.40	125.12	109.23	88.29	69.34	54.90	47.01	40.54
24138	1.91	1.98	1.91	1.76	1.72	1.72	1.97	2.47	2.91	3.41	3.80	4.26	4.00	4.33	5.41	5.94	9.23	9.70	8.47	6.76	3.99	3.11	3.84	2.61
	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
74TH STREET_GT_1	37.39	34.38	32.08	30.92	31.29	32.38	35.21	38.68	40.30	41.38	45.11	52.50	53.82	61.15	71.98	77.52	108.10	124.66	109.03	88.13	69.40	54.85	46.92	40.39
24260	1.98	1.85	1.82	1.64	1.60	1.57	1.77	2.36	2.49	3.03	3.72	4.16	3.80	4.16	5.21	5.87	8.93	9.23	8.26	6.60	4.05	3.06	3.76	2.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	37.39	34.38	32.08	30.92	31.29	32.38	35.21	38.68	40.30	41.38	45.11	52.50	53.82	61.15	71.98	77.52	108.10	124.66	109.03	88.13	69.40	54.85	46.92	40.39
24261	1.98	1.85	1.82	1.64	1.60	1.57	1.77	2.36	2.49	3.03	3.72	4.16	3.80	4.16	5.21	5.87	8.93	9.23	8.26	6.60	4.05	3.06	3.76	2.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	37.78	34.64	32.20	31.06	31.50	32.75	35.61	38.65	40.26	41.30	44.98	52.93	54.77	62.63	72.11	77.59	107.61	125.23	109.63	88.46	70.84	56.56	47.01	40.92
24011	2.37	2.11	1.94	1.79	1.81	1.94	2.17	2.32	2.46	2.95	3.60	4.59	4.75	5.64	5.34	5.95	8.43	9.81	8.87	6.93	5.49	4.76	3.84	3.00
	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	0.00
ADK RESOURCE___RCVRY	38.20	35.06	32.59	31.41	31.89	33.15	36.05	39.08	40.90	41.99	45.56	53.71	55.52	63.60	73.12	78.52	109.09	126.96	111.05	89.52	71.76	57.34	47.61	41.49
23798	2.80	2.54	2.33	2.14	2.20	2.34	2.61	2.76	3.10	3.64	4.18	5.37	5.50	6.61	6.35	6.88	9.92	11.54	10.28	7.99	6.41	5.54	4.45	3.56
	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
ADK S GLENS___FALLS	37.78	34.64	32.20	31.06	31.50	32.75	35.61	38.65	40.26	41.30	44.98	52.93	54.77	62.63	72.11	77.59	107.61	125.23	109.63	88.46	70.84	56.56	47.01	40.92
24028	2.37	2.11	1.94	1.79	1.81	1.94	2.17	2.32	2.46	2.95	3.60	4.59	4.75	5.64	5.34	5.95	8.43	9.81	8.87	6.93	5.49	4.76	3.84	3.00
	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	0.00
ADK_NYS___DAM	36.72	33.89	31.66	30.56	31.00	32.17	34.95	37.92	39.58	40.49	43.86	51.19	52.92	60.23	70.51	76.16	105.43	122.35	107.22	86.99	69.21	54.69	46.01	39.97
23527	1.31	1.37	1.39	1.29	1.30	1.35	1.51	1.60	1.78	2.15	2.48	2.85	2.90	3.25	3.74	4.52	6.25	6.92	6.45	5.46	3.85	2.90	2.85	2.05
	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
AIR_PRODUCTS___DRP	35.80	32.88	30.66	29.66	30.02	31.12	33.74	36.72	38.14	39.04	42.37	49.36	50.97	58.01	67.84	73.07	101.16	117.39	102.68	83.24	66.40	52.83	44.33	38.53
24190	0.39	0.36	0.39	0.38	0.33	0.31	0.30	0.40	0.34	0.69	0.99	1.02	0.95	1.03	1.07	1.43	1.98	1.96	1.91	1.71	1.05	1.04	1.17	0.61
	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
AKWESSNE_115KV_BK	34.73	31.87	29.72	28.75	29.16	30.29	32.81	35.67	37.08	37.31	39.68	46.36	48.07	54.77	64.17	68.99	94.91	111.73	96.93	78.10	62.87	49.72	41.61	36.98
355683	-0.67	-0.65	-0.54	-0.53	-0.53	-0.52	-0.64	-0.65	-0.72	-1.04	-1.70	-1.98	-1.95	-2.22	-2.60	-2.65	-4.26	-3.69	-3.83	-3.42	-2.48	-2.07	-1.55	-0.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	35.80	32.88	30.66	29.66	30.02	31.12	33.74	36.72	38.14	39.04	42.37	49.36	50.97	58.01	67.84	73.07	101.16	117.39	102.68	83.24	66.40	52.83	44.33	38.53
23571	0.39	0.36	0.39	0.38	0.33	0.31	0.30	0.40	0.34	0.69	0.99	1.02	0.95	1.03	1.07	1.43	1.98	1.96	1.91	1.71	1.05	1.04	1.17	0.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___2	35.80	32.88	30.66	29.66	30.02	31.12	33.74	36.72	38.14	39.04	42.37	49.36	50.97	58.01	67.84	73.07	101.16	117.39	102.68	83.24	66.40	52.83	44.33	38.53
23572	0.39	0.36	0.39	0.38	0.33	0.31	0.30	0.40	0.34	0.69	0.99	1.02	0.95	1.03	1.07	1.43	1.98	1.96	1.91	1.71	1.05	1.04	1.17	0.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___3	35.80	32.88	30.66	29.66	30.02	31.12	33.74	36.72	38.14	39.04	42.37	49.36	50.97	58.01	67.84	73.07	101.16	117.39	102.68	83.24	66.40	52.83	44.33	38.53
23573	0.39	0.36	0.39	0.38	0.33	0.31	0.30	0.40	0.34	0.69	0.99	1.02	0.95	1.03	1.07	1.43	1.98	1.96	1.91	1.71	1.05	1.04	1.17	0.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___4 23574	35.80 0.39 0.00	32.88 0.36 0.00	30.66 0.39 0.00	29.66 0.38 0.00	30.02 0.33 0.00	31.12 0.31 0.00	33.74 0.30 0.00	36.72 0.40 0.00	38.14 0.34 0.00	39.04 0.69 0.00	42.37 0.99 0.00	49.36 1.02 0.00	50.97 0.95 0.00	58.01 1.03 0.00	67.84 1.07 0.00	73.07 1.43 0.00	101.16 1.98 0.00	117.39 1.96 0.00	102.68 1.91 0.00	83.24 1.71 0.00	66.40 1.05 0.00	52.83 1.04 0.00	44.33 1.17 0.00	38.53 0.61 0.00
ALBANY___LFGE 323615	36.11 0.71 0.00	33.30 0.78 0.00	31.05 0.79 0.00	30.01 0.73 0.00	30.40 0.71 0.00	31.52 0.71 0.00	34.18 0.73 0.00	37.16 0.84 0.00	38.78 0.98 0.00	39.73 1.38 0.00	42.95 1.57 0.00	50.13 1.79 0.00	51.77 1.75 0.00	58.93 1.94 0.00	68.91 2.14 0.00	74.08 2.44 0.00	102.65 3.47 0.00	119.12 3.69 0.00	104.19 3.43 0.00	84.38 2.85 0.00	67.31 1.96 0.00	53.50 1.71 0.00	44.89 1.73 0.00	39.10 1.18 0.00
ALCOA_PA_115KV_PL-6C 55860	34.80 -0.60 0.00	31.94 -0.59 0.00	29.75 -0.51 0.00	28.81 -0.47 0.00	29.22 -0.48 0.00	30.35 -0.46 0.00	32.87 -0.57 0.00	35.74 -0.58 0.00	37.16 -0.64 0.00	37.39 -0.96 0.00	39.40 -1.99 0.00	46.02 -2.32 0.00	47.72 -2.30 0.00	54.42 -2.56 0.00	63.77 -3.00 0.00	68.49 -3.15 0.00	94.12 -5.06 0.00	111.96 -3.46 0.00	96.73 -4.03 0.00	77.45 -4.08 0.00	62.48 -2.88 0.00	49.36 -2.43 0.00	41.65 -1.51 0.00	37.05 -0.87 0.00
ALCOA_RYNLDS___DRP 24188	34.80 -0.60 0.00	31.94 -0.59 0.00	29.75 -0.51 0.00	28.81 -0.47 0.00	29.22 -0.48 0.00	30.35 -0.46 0.00	32.87 -0.57 0.00	35.74 -0.58 0.00	37.16 -0.64 0.00	37.39 -0.96 0.00	39.40 -1.99 0.00	46.02 -2.32 0.00	47.72 -2.30 0.00	54.42 -2.56 0.00	63.77 -3.00 0.00	68.49 -3.15 0.00	94.12 -5.06 0.00	111.96 -3.46 0.00	96.73 -4.03 0.00	77.45 -4.08 0.00	62.48 -2.88 0.00	49.36 -2.43 0.00	41.65 -1.51 0.00	37.05 -0.87 0.00
ALCOA___DSASP 323711	34.80 -0.60 0.00	31.94 -0.58 0.00	29.78 -0.49 0.00	28.81 -0.47 0.00	29.22 -0.48 0.00	30.38 -0.43 0.00	32.90 -0.54 0.00	35.74 -0.58 0.00	36.97 -0.83 0.00	37.16 -1.19 0.00	39.40 -1.99 0.00	46.02 -2.32 0.00	47.72 -2.30 0.00	56.81 -2.56 -2.39	67.64 -3.00 -3.87	73.11 -3.15 -4.62	102.80 -5.05 -8.68	111.96 -3.46 0.00	96.73 -4.03 0.00	83.51 -4.07 -6.05	66.31 -2.94 -3.90	49.36 -2.43 0.00	40.97 -2.20 0.00	36.94 -0.99 0.00
ALLEGHENY___COGEN 23514	37.32 1.91 0.00	33.43 0.91 0.00	30.87 0.61 0.00	29.72 0.44 0.00	30.23 0.54 0.00	31.61 0.80 0.00	34.68 1.24 0.00	37.67 1.34 0.00	39.46 1.66 0.00	39.88 1.54 0.00	43.25 1.86 0.00	50.47 2.12 0.00	52.22 2.20 0.00	57.22 0.23 0.00	67.51 0.74 0.00	71.71 0.07 0.00	99.48 0.30 0.00	115.66 0.23 0.00	102.28 1.51 0.00	82.75 1.22 0.00	68.03 2.68 0.00	56.35 4.56 0.00	45.62 2.46 0.00	40.08 2.16 0.00
ALTAMONT_115KV_TB 2 55880	36.22 0.81 0.00	33.27 0.75 0.00	31.05 0.79 0.00	30.04 0.76 0.00	30.40 0.71 0.00	31.52 0.71 0.00	34.18 0.74 0.00	37.19 0.87 0.00	38.63 0.83 0.00	39.50 1.15 0.00	42.83 1.45 0.00	49.94 1.60 0.00	51.57 1.55 0.00	58.64 1.65 0.00	68.64 1.87 0.00	73.93 2.29 0.00	102.45 3.27 0.00	118.77 3.35 0.00	103.89 3.12 0.00	84.22 2.69 0.00	67.31 1.96 0.00	53.50 1.71 0.00	44.89 1.73 0.00	39.06 1.14 0.00
ALTONA_WT_PWR 323606	34.94 -0.46 0.00	32.13 -0.39 0.00	30.11 -0.15 0.00	29.16 -0.12 0.00	29.60 -0.09 0.00	30.81 0.00 0.00	33.24 -0.20 0.00	35.99 -0.33 0.00	37.27 -0.53 0.00	37.50 -0.84 0.00	40.18 -1.20 0.00	46.94 -1.40 0.00	48.62 -1.40 0.00	55.39 -1.60 0.00	64.90 -1.87 0.00	69.71 -1.93 0.00	95.70 -3.47 0.00	112.65 -2.77 0.00	97.74 -3.02 0.00	78.67 -2.86 0.00	63.59 -1.76 0.00	50.13 -1.66 0.00	41.48 -1.68 0.00	36.94 -0.99 0.00
AMERICAN_REF_FUEL 24010	35.34 -0.07 0.00	31.32 -1.20 0.00	28.93 -1.33 0.00	27.90 -1.38 0.00	28.36 -1.34 0.00	29.58 -1.23 0.00	32.34 -1.10 0.00	34.90 -1.42 0.00	36.78 -1.02 0.00	37.00 -1.34 0.00	40.43 -0.95 0.00	47.38 -0.97 0.00	48.82 -1.20 0.00	56.19 -0.80 0.00	66.04 -0.73 0.00	69.92 -1.72 0.00	96.20 -2.97 0.00	110.92 -4.50 0.00	97.64 -3.12 0.00	78.76 -2.77 0.00	64.83 -0.53 0.00	51.27 -0.52 0.00	41.74 -1.42 0.00	37.24 -0.68 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	37.18 1.77 0.00	33.14 0.62 0.00	30.50 0.24 0.00	29.37 0.09 0.00	29.84 0.15 0.00	31.15 0.34 0.00	34.24 0.80 0.00	37.08 0.76 0.00	39.28 1.47 0.00	39.69 1.34 0.00	43.49 2.11 0.00	50.90 2.56 0.00	52.52 2.50 0.00	60.41 3.42 0.00	71.11 4.34 0.00	75.36 3.72 0.00	103.84 4.66 0.00	119.57 4.15 0.00	105.19 4.43 0.00	84.55 3.02 0.00	69.14 3.79 0.00	54.48 2.69 0.00	44.20 1.03 0.00	39.17 1.25 0.00
ARTHUR_KILL_GT_1 23520	35.68 1.63 1.35	34.44 1.92 0.00	32.08 1.82 0.00	30.89 1.61 0.00	31.26 1.57 0.00	32.26 1.45 0.00	35.01 1.57 0.01	35.65 2.11 2.78	35.69 2.57 4.68	36.09 3.22 5.48	36.37 3.31 8.33	38.42 3.38 13.31	38.27 3.00 14.75	38.80 3.25 21.43	40.77 4.21 30.21	40.85 4.73 35.52	66.82 7.64 39.99	69.20 7.73 53.96	55.84 6.95 51.87	40.79 5.55 46.28	38.74 3.07 29.68	38.60 2.38 15.57	38.16 3.45 8.46	36.05 2.28 4.14
ARTHUR_KILL_2 23512	35.54 1.49 1.35	34.34 1.82 0.00	31.96 1.69 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.17 1.35 0.00	34.87 1.44 0.01	35.54 2.00 2.78	35.54 2.42 4.68	35.94 3.07 5.48	36.20 3.14 8.33	38.22 3.19 13.31	38.12 2.85 14.75	38.57 3.02 21.43	40.50 3.94 30.21	40.56 4.44 35.52	66.33 7.14 39.99	68.74 7.28 53.96	55.35 6.45 51.87	40.39 5.14 46.28	38.48 2.81 29.68	38.40 2.17 15.57	37.94 3.24 8.46	35.94 2.16 4.14
ARTHUR_KILL_3 23513	35.44 1.38 1.35	34.05 1.53 0.00	31.75 1.48 0.00	30.63 1.35 0.00	31.03 1.34 0.00	32.14 1.32 0.00	34.95 1.51 0.00	35.44 1.89 2.77	35.39 2.27 4.68	35.64 2.76 5.47	36.08 3.02 8.32	38.33 3.29 13.30	38.33 3.05 14.74	38.87 3.30 21.42	40.78 4.21 30.20	40.78 4.65 35.51	66.63 7.44 39.98	69.09 7.62 53.95	55.55 6.65 51.86	40.55 5.30 46.27	38.55 2.87 29.67	38.56 2.33 15.56	37.82 3.11 8.46	35.80 2.01 4.14
ARTHUR_KILL_COGEN 323718	35.68 1.63 1.35	34.44 1.92 0.00	32.08 1.82 0.00	30.89 1.61 0.00	31.26 1.57 0.00	32.26 1.45 0.00	35.01 1.57 0.01	35.65 2.11 2.78	35.69 2.57 4.68	36.09 3.22 5.48	36.37 3.31 8.33	38.42 3.38 13.31	38.27 3.00 14.75	38.80 3.25 21.43	40.77 4.21 30.21	40.85 4.73 35.52	66.82 7.64 39.99	69.20 7.73 53.96	55.84 6.95 51.87	40.79 5.55 46.28	38.74 3.07 29.68	38.60 2.38 15.57	38.16 3.45 8.46	36.05 2.28 4.14
ASHOKAN____ 23654	36.79 1.38 0.00	33.95 1.43 0.00	31.53 1.27 0.00	30.48 1.20 0.00	30.91 1.22 0.00	31.74 0.92 0.00	34.38 0.94 0.00	37.81 1.49 0.00	39.01 1.21 0.00	39.96 1.61 0.00	43.16 1.78 0.00	50.37 2.03 0.00	52.32 2.30 0.00	59.84 2.85 0.00	69.84 3.07 0.00	75.65 4.01 0.00	105.92 6.75 0.00	122.92 7.50 0.00	107.62 6.86 0.00	86.82 5.30 0.00	68.49 3.14 0.00	54.85 3.05 0.00	46.10 2.94 0.00	39.89 1.97 0.00



ASTORIA_EAST_ENERGY_CC1 323581	36.93 1.52 0.00	34.11 1.59 0.00	31.93 1.66 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.05 1.23 0.00	34.88 1.44 0.00	38.13 1.82 0.01	40.02 2.23 0.01	41.18 2.84 0.01	44.36 2.98 0.00	51.48 3.14 0.01	53.11 3.10 0.01	60.28 3.30 0.01	70.90 4.14 0.01	76.29 4.65 0.01	106.52 7.34 -0.01	123.05 7.62 -0.01	107.52 6.75 -0.01	86.90 5.38 0.01	68.42 3.07 0.01	54.27 2.49 0.01	46.44 3.28 0.00	40.16 2.24 0.00
ASTORIA_EAST_ENERGY_CC2 323582	36.93 1.52 0.00	34.11 1.59 0.00	31.93 1.66 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.05 1.23 0.00	34.88 1.44 0.00	38.13 1.82 0.01	40.02 2.23 0.01	41.18 2.84 0.01	44.36 2.98 0.00	51.48 3.14 0.01	53.11 3.10 0.01	60.28 3.30 0.01	70.90 4.14 0.01	76.29 4.65 0.01	106.52 7.34 -0.01	123.05 7.62 -0.01	107.52 6.75 -0.01	86.90 5.38 0.01	68.42 3.07 0.01	54.27 2.49 0.01	46.44 3.28 0.00	40.16 2.24 0.00
ASTORIA_GT2_1 24094	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT2_2 24095	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT2_3 24096	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT2_4 24097	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT3_1 24098	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT3_2 24099	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT3_3 24100	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT3_4 24101	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT4_1 24102	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT4_2 24103	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT4_3 24104	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT4_4 24105	37.14 1.73 0.00	34.02 1.50 0.00	31.87 1.60 0.00	30.68 1.41 0.00	31.03 1.34 0.00	31.95 1.14 0.00	34.75 1.30 0.00	38.10 1.78 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.44 3.06 0.00	51.53 3.19 0.01	53.16 3.15 0.01	60.28 3.31 0.01	70.97 4.21 0.01	76.43 4.80 0.01	106.62 7.44 -0.01	137.57 7.73 -14.42	107.62 6.85 -0.01	86.98 5.46 0.01	68.61 3.27 0.01	54.22 2.43 0.01	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT_1 23523	37.04 1.63 0.00	34.21 1.69 0.00	32.02 1.75 0.00	30.80 1.52 0.00	31.20 1.51 0.00	32.14 1.32 0.00	34.98 1.54 0.00	38.24 1.92 0.01	40.14 2.34 0.01	41.29 2.95 0.01	44.53 3.14 0.00	51.62 3.29 0.01	53.31 3.30 0.01	60.51 3.53 0.01	71.17 4.41 0.01	76.51 4.87 0.01	106.93 7.74 -0.01	123.51 8.08 -0.01	107.82 7.05 -0.01	87.23 5.71 0.01	68.67 3.33 0.01	54.42 2.64 0.01	46.57 3.41 0.00	40.28 2.35 0.00



ASTORIA_GT_10 24110	37.18 1.77 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.11 1.29 0.00	34.91 1.47 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	51.67 3.34 0.01	53.01 3.00 0.01	58.24 3.25 1.99	65.56 4.14 5.35	58.16 4.73 18.21	99.30 7.34 7.22	116.05 7.39 6.76	73.04 6.65 34.37	57.64 5.30 29.19	53.52 3.07 14.90	50.92 2.28 3.15	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT_11 24225	37.18 1.77 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.11 1.29 0.00	34.91 1.47 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	51.67 3.34 0.01	53.01 3.00 0.01	58.24 3.25 1.99	65.56 4.14 5.35	58.16 4.73 18.21	99.30 7.34 7.22	116.05 7.39 6.76	73.04 6.65 34.37	57.64 5.30 29.19	53.52 3.07 14.90	50.92 2.28 3.15	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT_12 24226	37.18 1.77 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.11 1.29 0.00	34.91 1.47 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	51.67 3.34 0.01	53.01 3.00 0.01	58.24 3.25 1.99	65.56 4.14 5.35	58.16 4.73 18.21	99.30 7.34 7.22	116.05 7.39 6.76	73.04 6.65 34.37	57.64 5.30 29.19	53.52 3.07 14.90	50.92 2.28 3.15	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT_13 24227	37.18 1.77 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.11 1.29 0.00	34.91 1.47 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	51.67 3.34 0.01	53.01 3.00 0.01	58.24 3.25 1.99	65.56 4.14 5.35	58.16 4.73 18.21	99.30 7.34 7.22	116.05 7.39 6.76	73.04 6.65 34.37	57.64 5.30 29.19	53.52 3.07 14.90	50.92 2.28 3.15	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA_GT_5 24106	37.04 1.63 0.00	34.21 1.69 0.00	32.02 1.75 0.00	30.80 1.52 0.00	31.20 1.51 0.00	32.14 1.32 0.00	34.98 1.54 0.00	38.24 1.92 0.01	40.14 2.34 0.01	41.29 2.95 0.01	44.53 3.14 0.00	51.62 3.29 0.01	53.31 3.30 0.01	60.51 3.53 0.01	71.17 4.41 0.01	76.51 4.87 0.01	106.93 7.74 -0.01	123.51 8.08 -0.01	107.82 7.05 -0.01	87.23 5.71 0.01	68.67 3.33 0.01	54.42 2.64 0.01	46.57 3.41 0.00	40.28 2.35 0.00
ASTORIA_GT_7 24107	37.04 1.63 0.00	34.21 1.69 0.00	32.02 1.75 0.00	30.80 1.52 0.00	31.20 1.51 0.00	32.14 1.32 0.00	34.98 1.54 0.00	38.24 1.92 0.01	40.14 2.34 0.01	41.29 2.95 0.01	44.53 3.14 0.00	51.62 3.29 0.01	53.31 3.30 0.01	60.51 3.53 0.01	71.17 4.41 0.01	76.51 4.87 0.01	106.93 7.74 -0.01	123.51 8.08 -0.01	107.82 7.05 -0.01	87.23 5.71 0.01	68.67 3.33 0.01	54.42 2.64 0.01	46.57 3.41 0.00	40.28 2.35 0.00
ASTORIA_GT_8 24108	37.25 1.84 0.00	34.08 1.56 0.00	31.93 1.66 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.01 1.20 0.00	34.81 1.37 0.00	38.21 1.89 0.00	39.81 2.00 0.00	40.88 2.53 0.00	44.57 3.19 0.00	51.67 3.34 0.01	53.31 3.30 0.01	60.51 3.53 0.01	71.17 4.41 0.01	76.65 5.01 0.01	106.92 7.74 -0.01	137.92 8.08 -14.42	107.93 7.15 -0.01	87.23 5.71 0.01	68.81 3.46 0.01	54.37 2.59 0.01	46.58 3.41 0.00	40.12 2.20 0.00
ASTORIA___2 24149	36.93 1.52 0.00	34.15 1.63 0.00	31.93 1.66 0.00	30.74 1.46 0.00	31.15 1.45 0.00	32.08 1.26 0.00	34.91 1.47 0.00	38.13 1.82 0.01	40.06 2.27 0.01	41.18 2.84 0.01	44.40 3.02 0.00	51.48 3.14 0.01	53.16 3.15 0.01	60.28 3.30 0.01	70.97 4.21 0.01	76.29 4.65 0.01	106.63 7.44 -0.01	123.17 7.73 -0.01	107.52 6.75 -0.01	86.98 5.46 0.01	68.48 3.14 0.01	54.27 2.49 0.01	46.44 3.28 0.00	40.16 2.24 0.00
ASTORIA___3 23516	37.00 1.59 0.00	34.24 1.72 0.00	31.96 1.69 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.20 1.39 0.00	35.08 1.64 0.00	38.39 2.07 0.00	40.30 2.49 0.00	41.42 3.07 0.00	44.57 3.19 0.00	51.62 3.29 0.01	53.06 3.05 0.01	58.24 3.25 1.99	65.56 4.14 5.35	58.02 4.59 18.21	99.30 7.34 7.22	101.75 7.50 21.17	72.94 6.55 34.37	57.64 5.30 29.19	53.32 2.87 14.90	50.98 2.33 3.15	46.44 3.28 0.00	40.16 2.24 0.00
ASTORIA___4 23517	37.18 1.77 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.11 1.29 0.00	34.91 1.47 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	51.67 3.34 0.01	53.01 3.00 0.01	58.24 3.25 1.99	65.56 4.14 5.35	58.16 4.73 18.21	99.30 7.34 7.22	116.05 7.39 6.76	73.04 6.65 34.37	57.64 5.30 29.19	53.52 3.07 14.90	50.92 2.28 3.15	46.45 3.28 0.00	40.05 2.12 0.00
ASTORIA___5 23518	37.00 1.59 0.00	34.24 1.72 0.00	31.96 1.69 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.23 1.42 0.00	35.08 1.64 0.00	38.39 2.07 0.00	40.30 2.49 0.00	41.42 3.07 0.00	44.57 3.19 0.00	51.62 3.29 0.01	53.06 3.05 0.01	58.24 3.25 1.99	65.56 4.14 5.35	58.02 4.59 18.21	99.30 7.34 7.22	101.75 7.50 21.17	72.94 6.55 34.37	57.64 5.30 29.19	53.32 2.87 14.90	50.98 2.33 3.15	46.44 3.28 0.00	40.16 2.24 0.00
AST_ENERGY_2_CC3 323677	36.96 1.56 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.18 1.48 0.00	32.26 1.45 0.00	35.08 1.64 0.00	38.39 2.07 0.00	40.26 2.46 0.00	41.34 2.99 0.00	44.61 3.23 0.00	51.92 3.58 0.00	53.32 3.30 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.65 5.01 0.00	107.11 7.94 0.00	123.62 8.20 0.00	107.92 7.16 0.00	87.32 5.79 0.00	68.62 3.27 0.00	54.38 2.59 0.00	46.53 3.37 0.00	40.16 2.24 0.00
AST_ENERGY_2_CC4 323678	36.96 1.56 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.18 1.48 0.00	32.26 1.45 0.00	35.08 1.64 0.00	38.39 2.07 0.00	40.26 2.46 0.00	41.34 2.99 0.00	44.61 3.23 0.00	51.92 3.58 0.00	53.32 3.30 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.65 5.01 0.00	107.11 7.94 0.00	123.62 8.20 0.00	107.92 7.16 0.00	87.32 5.79 0.00	68.62 3.27 0.00	54.38 2.59 0.00	46.53 3.37 0.00	40.16 2.24 0.00
ATHENS_STG_1 23668	36.08 0.67 0.00	33.30 0.78 0.00	31.11 0.85 0.00	30.13 0.85 0.00	30.52 0.83 0.00	31.55 0.74 0.00	34.18 0.73 0.00	37.19 0.87 0.00	38.86 1.06 0.00	39.80 1.46 0.00	42.99 1.61 0.00	50.13 1.79 0.00	51.72 1.70 0.00	58.76 1.77 0.00	68.84 2.07 0.00	74.00 2.36 0.00	102.85 3.67 0.00	119.12 3.69 0.00	104.08 3.32 0.00	84.38 2.85 0.00	67.18 1.83 0.00	53.29 1.50 0.00	44.98 1.81 0.00	39.06 1.14 0.00
ATHENS_STG_2 23670	36.08 0.67 0.00	33.30 0.78 0.00	31.11 0.85 0.00	30.13 0.85 0.00	30.52 0.83 0.00	31.55 0.74 0.00	34.18 0.73 0.00	37.19 0.87 0.00	38.86 1.06 0.00	39.80 1.46 0.00	42.99 1.61 0.00	50.13 1.79 0.00	51.72 1.70 0.00	58.76 1.77 0.00	68.84 2.07 0.00	74.00 2.36 0.00	102.85 3.67 0.00	119.12 3.69 0.00	104.08 3.32 0.00	84.38 2.85 0.00	67.18 1.83 0.00	53.29 1.50 0.00	44.98 1.81 0.00	39.06 1.14 0.00



ATHENS_STG_3 23677	36.08 0.67 0.00	33.30 0.78 0.00	31.11 0.85 0.00	30.13 0.85 0.00	30.52 0.83 0.00	31.55 0.74 0.00	34.18 0.73 0.00	37.19 0.87 0.00	38.86 1.06 0.00	39.80 1.46 0.00	42.99 1.61 0.00	50.13 1.79 0.00	51.72 1.70 0.00	58.76 1.77 0.00	68.84 2.07 0.00	74.00 2.36 0.00	102.85 3.67 0.00	119.12 3.69 0.00	104.08 3.32 0.00	84.38 2.85 0.00	67.18 1.83 0.00	53.29 1.50 0.00	44.98 1.81 0.00	39.06 1.14 0.00
AUBURN____LFGE 323710	36.47 1.06 0.00	33.50 0.98 0.00	30.96 0.70 0.00	29.95 0.67 0.00	30.40 0.71 0.00	31.64 0.83 0.00	34.44 1.00 0.00	37.37 1.05 0.00	39.35 1.55 0.00	40.15 1.80 0.00	43.62 2.23 0.00	51.15 2.80 0.00	53.02 3.00 0.00	60.52 3.53 0.00	71.04 4.27 0.00	76.30 4.66 0.00	103.84 4.66 0.00	120.62 5.19 0.00	105.50 4.74 0.00	85.52 3.99 0.00	68.95 3.59 0.00	54.59 2.80 0.00	44.81 1.64 0.00	39.33 1.40 0.00
BABYLON_RES_REC 323704	39.31 2.66 -1.25	35.24 2.70 -0.02	33.54 2.57 -0.70	32.14 2.40 -0.46	32.91 2.44 -0.79	33.29 2.47 -0.01	36.87 2.77 -0.65	39.37 3.05 0.00	41.79 3.59 -0.40	44.27 4.06 -1.86	45.06 3.23 -0.45	51.63 3.29 0.00	56.90 3.85 -3.03	72.52 4.28 -11.26	94.02 5.41 -21.84	114.69 6.02 -37.03	139.47 9.23 -31.07	143.53 9.81 -18.30	127.22 8.76 -17.70	100.82 7.18 -12.12	87.62 4.31 -17.96	60.51 3.47 -5.25	50.93 3.54 -4.22	40.87 2.69 -0.25
BABYLON__69_KV_BK2 356345	39.87 3.22 -1.25	35.56 3.02 -0.02	33.84 2.88 -0.70	32.43 2.69 -0.46	33.18 2.70 -0.79	33.55 2.74 0.00	37.14 3.04 -0.65	39.63 3.31 0.00	41.88 2.95 -1.13	46.56 3.68 -4.54	47.06 4.26 -1.41	52.84 4.50 0.00	64.65 5.05 -9.58	88.30 5.70 -25.62	126.00 7.01 -52.22	146.19 7.88 -66.67	166.83 11.60 -56.04	169.22 12.58 -41.21	155.18 11.18 -43.23	113.57 9.21 -22.83	128.20 6.01 -56.83	73.08 4.66 -16.62	61.14 4.62 -13.36	41.98 3.26 -0.80
BARON_WINDS____WT_PWR 323822	36.47 1.06 0.00	32.81 0.29 0.00	30.29 0.03 0.00	29.22 -0.06 0.00	29.69 0.00 0.00	30.97 0.15 0.00	33.91 0.47 0.00	36.72 0.40 0.00	38.60 0.80 0.00	39.15 0.81 0.00	42.62 1.24 0.00	49.89 1.55 0.00	51.62 1.60 0.00	59.04 2.05 0.00	69.51 2.74 0.00	73.93 2.29 0.00	101.86 2.68 0.00	117.85 2.43 0.00	103.49 2.72 0.00	83.64 2.12 0.00	68.16 2.81 0.00	53.97 2.17 0.00	44.11 0.95 0.00	38.95 1.02 0.00
BARRETT_IC_1 23704	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_10 23701	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_11 23702	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_12 23703	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_2 23705	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_3 23706	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_4 23707	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_5 23708	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_6 23709	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_7 23710	38.88 2.23 -1.24	34.65 2.11 -0.02	33.06 2.09 -0.70	31.67 1.93 -0.46	32.38 1.90 -0.79	32.75 1.94 0.00	36.10 2.01 -0.65	38.54 2.22 0.00	39.69 1.89 0.00	40.95 2.61 0.00	44.44 3.06 0.00	51.58 3.24 0.00	53.67 3.65 0.00	65.43 3.82 -4.63	79.33 4.74 -7.81	100.36 5.37 -23.34	126.74 8.03 -19.53	131.68 8.54 -7.71	114.22 7.56 -5.90	87.66 6.11 -0.02	69.01 3.66 0.00	54.85 3.06 0.00	46.83 3.67 0.00	40.27 2.35 0.00



BARRETT_IC_8 23711	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT_IC_9 23700	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT___1 23545	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BARRETT___2 23546	38.81 2.16 -1.24	34.75 2.21 -0.02	33.12 2.15 -0.70	31.76 2.02 -0.46	32.50 2.02 -0.79	32.85 2.03 -0.01	36.23 2.14 -0.65	38.72 2.40 0.00	40.67 2.87 0.00	41.72 3.38 0.00	44.32 2.94 0.00	51.53 3.19 0.00	53.73 3.70 -0.01	65.42 3.82 -4.62	79.32 4.74 -7.81	100.20 5.23 -23.33	126.84 8.13 -19.52	131.55 8.42 -7.71	114.11 7.46 -5.89	87.57 6.03 -0.01	68.87 3.53 0.01	54.90 3.11 0.00	46.75 3.58 -0.01	40.43 2.50 -0.01
BATAVIA___115KV_TB1 55881	35.26 -0.14 0.00	32.42 -0.10 0.00	29.96 -0.30 0.00	28.87 -0.41 0.00	29.45 -0.24 0.00	30.78 -0.03 0.00	33.94 0.50 0.00	36.83 0.51 0.00	38.75 0.95 0.00	39.00 0.65 0.00	42.62 1.24 0.00	49.94 1.60 0.00	51.42 1.40 0.00	59.38 2.39 0.00	69.91 3.14 0.00	73.72 2.08 0.00	102.35 3.17 0.00	118.31 2.89 0.00	103.99 3.22 0.00	83.97 2.45 0.00	68.29 2.94 0.00	54.23 2.43 0.00	43.21 0.04 0.00	38.68 0.76 0.00
BAYONEEC___CTG1 323682	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG10 323750	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG2 323683	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG3 323684	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG4 323685	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG5 323686	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG6 323687	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG7 323688	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG8 323689	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04
BAYONEEC___CTG9 323749	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.43 2.11 0.00	40.26 2.46 0.00	41.34 2.99 0.00	36.30 3.23 8.31	38.62 3.58 13.30	38.58 3.30 14.74	39.16 3.59 21.42	41.11 4.54 30.20	41.14 5.01 35.51	67.13 7.94 39.98	69.67 8.20 53.95	56.06 7.16 51.86	41.04 5.79 46.27	38.94 3.27 29.67	38.82 2.59 15.56	38.08 3.37 8.46	36.12 2.24 4.04



BEACON___LESR 323632	36.61 1.20 0.00	33.73 1.20 0.00	31.41 1.15 0.00	30.33 1.05 0.00	30.76 1.07 0.00	31.89 1.08 0.00	34.64 1.20 0.00	37.63 1.31 0.00	39.32 1.51 0.00	40.26 1.92 0.00	43.53 2.15 0.00	50.71 2.37 0.00	52.42 2.40 0.00	59.67 2.68 0.00	69.71 2.93 0.00	75.01 3.37 0.00	103.74 4.56 0.00	120.74 5.31 0.00	105.60 4.84 0.00	85.44 3.91 0.00	68.16 2.81 0.00	54.28 2.49 0.00	45.41 2.24 0.00	39.52 1.59 0.00
BEAVER RIVER___HYD 24048	35.48 0.07 0.00	32.49 -0.03 0.00	30.02 -0.24 0.00	29.07 -0.20 0.00	29.51 -0.18 0.00	30.75 -0.06 0.00	33.37 -0.07 0.00	36.28 -0.04 0.00	37.69 -0.11 0.00	38.23 -0.11 0.00	41.09 -0.29 0.00	48.15 -0.19 0.00	49.77 -0.25 0.00	52.99 0.06 4.05	60.21 0.00 6.56	64.03 0.22 7.83	84.78 0.30 14.69	116.81 1.39 0.00	101.77 1.01 0.00	72.26 0.98 10.25	59.33 0.59 6.61	52.31 0.52 0.00	43.04 -0.13 0.00	38.04 0.11 0.00
BEEBEE_GT_13 23619	35.26 -0.14 0.00	32.39 -0.13 0.00	29.99 -0.27 0.00	28.93 -0.35 0.00	29.45 -0.24 0.00	30.72 -0.09 0.00	33.54 0.10 0.00	36.39 0.07 0.00	38.14 0.34 0.00	38.58 0.23 0.00	42.04 0.66 0.00	49.31 0.97 0.00	51.02 1.00 0.00	58.58 1.60 0.00	68.77 2.00 0.00	72.86 1.22 0.00	101.06 1.88 0.00	117.04 1.62 0.00	102.68 1.91 0.00	83.08 1.55 0.00	67.31 1.96 0.00	53.45 1.66 0.00	43.12 -0.04 0.00	38.30 0.38 0.00
BENSHRST_27_KV_BENSHRST_1 355998	37.53 2.12 0.00	34.47 1.95 0.00	32.17 1.91 0.00	31.01 1.73 0.00	31.35 1.66 0.00	32.38 1.57 0.00	35.21 1.77 0.00	38.75 2.43 0.00	40.45 2.65 0.00	41.45 3.11 0.00	45.27 3.89 0.00	52.35 4.01 0.01	53.61 3.60 0.01	58.98 3.99 1.99	82.01 5.07 -10.16	76.39 5.73 0.98	121.73 8.83 -13.72	117.78 9.12 6.76	85.74 8.06 23.08	95.05 6.52 -7.00	76.71 3.99 -7.37	51.60 2.95 3.14	47.09 3.93 0.00	40.46 2.54 0.00
BETHLEHEM___GRP 23843	35.80 0.39 0.00	32.88 0.36 0.00	30.66 0.39 0.00	29.66 0.38 0.00	30.02 0.33 0.00	31.12 0.31 0.00	33.74 0.30 0.00	36.72 0.40 0.00	38.14 0.34 0.00	39.04 0.69 0.00	42.37 0.99 0.00	49.36 1.02 0.00	50.97 0.95 0.00	58.01 1.03 0.00	67.84 1.07 0.00	73.07 1.43 0.00	101.16 1.98 0.00	117.39 1.96 0.00	102.68 1.91 0.00	83.24 1.71 0.00	66.40 1.05 0.00	52.83 1.04 0.00	44.33 1.17 0.00	38.53 0.61 0.00
BETHLEHEM___GS1 323560	35.72 0.32 0.00	32.94 0.42 0.00	30.72 0.45 0.00	29.72 0.44 0.00	30.11 0.42 0.00	31.18 0.37 0.00	33.81 0.37 0.00	36.72 0.40 0.00	38.33 0.53 0.00	39.27 0.92 0.00	42.42 1.03 0.00	49.40 1.06 0.00	50.97 0.95 0.00	58.01 1.03 0.00	67.84 1.07 0.00	73.00 1.36 0.00	101.16 1.98 0.00	117.38 1.96 0.00	102.58 1.82 0.00	83.16 1.63 0.00	66.33 0.98 0.00	52.77 0.98 0.00	44.37 1.21 0.00	38.61 0.68 0.00
BETHLEHEM___GS2 323561	35.72 0.32 0.00	32.94 0.42 0.00	30.72 0.45 0.00	29.72 0.44 0.00	30.11 0.42 0.00	31.18 0.37 0.00	33.81 0.37 0.00	36.72 0.40 0.00	38.33 0.53 0.00	39.27 0.92 0.00	42.42 1.03 0.00	49.40 1.06 0.00	50.97 0.95 0.00	58.01 1.03 0.00	67.84 1.07 0.00	73.00 1.36 0.00	101.16 1.98 0.00	117.38 1.96 0.00	102.58 1.82 0.00	83.16 1.63 0.00	66.33 0.98 0.00	52.77 0.98 0.00	44.37 1.21 0.00	38.61 0.68 0.00
BETHLEHEM___GS3 323562	35.72 0.32 0.00	32.94 0.42 0.00	30.72 0.45 0.00	29.72 0.44 0.00	30.11 0.42 0.00	31.18 0.37 0.00	33.81 0.37 0.00	36.72 0.40 0.00	38.33 0.53 0.00	39.27 0.92 0.00	42.42 1.03 0.00	49.40 1.06 0.00	50.97 0.95 0.00	58.01 1.03 0.00	67.84 1.07 0.00	73.00 1.36 0.00	101.16 1.98 0.00	117.38 1.96 0.00	102.58 1.82 0.00	83.16 1.63 0.00	66.33 0.98 0.00	52.77 0.98 0.00	44.37 1.21 0.00	38.61 0.68 0.00
BETHLEHEM___STEEL 23779	34.98 -0.42 0.00	32.23 -0.29 0.00	29.81 -0.45 0.00	28.69 -0.59 0.00	29.28 -0.42 0.00	30.54 -0.28 0.00	33.44 0.00 0.00	36.14 -0.18 0.00	38.18 0.38 0.00	38.39 0.04 0.00	42.04 0.66 0.00	49.21 0.87 0.00	50.77 0.75 0.00	58.41 1.42 0.00	68.71 1.94 0.00	72.29 0.64 0.00	100.27 1.09 0.00	115.65 0.23 0.00	101.37 0.60 0.00	81.77 0.24 0.00	66.79 1.44 0.00	53.09 1.29 0.00	42.43 -0.73 0.00	38.19 0.27 0.00
BETHLHEM_115KV_TB1 79974	35.87 0.46 0.00	32.98 0.46 0.00	30.75 0.48 0.00	29.75 0.47 0.00	30.11 0.42 0.00	31.18 0.37 0.00	33.84 0.40 0.00	36.83 0.51 0.00	38.26 0.45 0.00	39.15 0.81 0.00	42.46 1.08 0.00	49.45 1.11 0.00	51.12 1.10 0.00	58.13 1.14 0.00	68.04 1.27 0.00	73.29 1.65 0.00	101.36 2.18 0.00	117.62 2.19 0.00	102.88 2.12 0.00	83.40 1.88 0.00	66.59 1.24 0.00	52.98 1.19 0.00	44.46 1.29 0.00	38.64 0.72 0.00
BETHPAGE_CC_5 323564	38.99 2.34 -1.24	34.98 2.44 -0.02	33.27 2.30 -0.70	31.90 2.17 -0.46	32.64 2.17 -0.79	33.01 2.19 -0.01	36.53 2.44 -0.65	39.05 2.73 0.00	41.28 3.29 -0.19	43.02 3.72 -0.95	44.73 3.23 -0.12	51.82 3.48 0.00	54.89 4.05 -0.82	67.85 4.45 -6.41	83.84 5.48 -11.59	104.75 6.09 -27.03	131.13 9.32 -22.64	135.91 9.93 -10.56	118.60 8.76 -9.07	91.81 7.01 -3.27	74.37 4.19 -4.83	56.68 3.47 -1.41	47.88 3.58 -1.14	40.64 2.65 -0.07
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	35.09 -0.32 0.00	32.33 -0.20 0.00	29.87 -0.39 0.00	28.78 -0.50 0.00	29.36 -0.33 0.00	30.63 -0.18 0.00	33.54 0.10 0.00	36.28 -0.04 0.00	38.33 0.53 0.00	38.50 0.15 0.00	42.21 0.83 0.00	49.41 1.06 0.00	51.02 1.00 0.00	58.64 1.65 0.00	69.04 2.27 0.00	72.57 0.93 0.00	100.66 1.49 0.00	116.12 0.69 0.00	101.87 1.11 0.00	82.18 0.65 0.00	67.05 1.70 0.00	53.29 1.50 0.00	42.60 -0.56 0.00	38.30 0.38 0.00
BINGHAMTON___COGEN 23790	35.90 0.50 0.00	32.98 0.46 0.00	30.57 0.30 0.00	29.54 0.26 0.00	30.02 0.33 0.00	31.18 0.37 0.00	33.94 0.50 0.00	36.87 0.54 0.00	38.48 0.68 0.00	39.15 0.81 0.00	42.58 1.20 0.00	49.79 1.45 0.00	51.57 1.55 0.00	58.81 1.82 0.00	69.04 2.27 0.00	73.72 2.08 0.00	102.15 2.98 0.00	118.42 3.00 0.00	103.79 3.02 0.00	83.97 2.45 0.00	67.64 2.29 0.00	53.60 1.81 0.00	44.16 0.99 0.00	38.80 0.87 0.00
BIXINCNT_115KV_LOAD 355685	35.48 0.07 0.00	32.68 0.16 0.00	30.20 -0.06 0.00	29.07 -0.20 0.00	29.66 -0.03 0.00	30.97 0.15 0.00	34.01 0.57 0.00	36.72 0.40 0.00	38.79 0.98 0.00	39.08 0.73 0.00	42.87 1.49 0.00	50.08 1.74 0.00	51.77 1.75 0.00	59.44 2.45 0.00	69.91 3.14 0.00	73.50 1.86 0.00	101.76 2.58 0.00	117.50 2.08 0.00	102.98 2.22 0.00	83.16 1.63 0.00	67.64 2.29 0.00	53.81 2.02 0.00	43.08 -0.09 0.00	38.57 0.64 0.00
BLACK RIVER___HYD 24047	36.04 0.64 0.00	32.94 0.42 0.00	30.39 0.12 0.00	29.40 0.12 0.00	29.87 0.18 0.00	31.12 0.31 0.00	33.81 0.37 0.00	36.76 0.44 0.00	38.18 0.38 0.00	38.81 0.46 0.00	41.92 0.54 0.00	49.11 0.77 0.00	50.82 0.80 0.00	55.52 1.37 2.83	63.72 1.54 4.59	68.10 1.94 5.47	91.69 2.77 10.26	119.23 3.80 0.00	104.29 3.52 0.00	77.63 3.26 7.16	63.09 2.35 4.61	53.65 1.86 0.00	44.03 0.86 0.00	38.72 0.80 0.00



BLACKRVR_115KV_TB2 79977	36.01 0.60 0.00	32.98 0.46 0.00	30.42 0.15 0.00	29.42 0.15 0.00	29.90 0.21 0.00	31.15 0.34 0.00	33.84 0.40 0.00	36.79 0.47 0.00	38.18 0.38 0.00	38.81 0.46 0.00	41.92 0.54 0.00	49.12 0.77 0.00	50.82 0.80 0.00	58.36 1.37 0.00	68.31 1.54 0.00	73.43 1.79 0.00	101.95 2.78 0.00	119.23 3.81 0.00	104.19 3.43 0.00	84.79 3.26 0.00	67.64 2.29 0.00	53.66 1.86 0.00	44.07 0.91 0.00	38.68 0.76 0.00
BLISS_WT_PWR 323608	36.79 1.38 0.00	32.88 0.36 0.00	30.29 0.03 0.00	29.16 -0.12 0.00	29.69 0.00 0.00	31.00 0.19 0.00	34.07 0.63 0.00	36.79 0.47 0.00	38.86 1.06 0.00	39.27 0.92 0.00	42.95 1.57 0.00	50.23 1.88 0.00	51.82 1.80 0.00	59.49 2.50 0.00	69.98 3.20 0.00	74.08 2.44 0.00	101.66 2.48 0.00	117.50 2.08 0.00	103.18 2.41 0.00	83.24 1.71 0.00	68.10 2.74 0.00	53.81 2.02 0.00	43.81 0.65 0.00	38.83 0.91 0.00
BLUESTONE___WT_PWR 323821	37.99 2.58 0.00	34.83 2.31 0.00	32.05 1.79 0.00	31.01 1.73 0.00	31.53 1.84 0.00	32.78 1.97 0.00	35.68 2.24 0.00	38.83 2.51 0.00	40.03 2.23 0.00	40.92 2.57 0.00	44.53 3.14 0.00	52.11 3.77 0.00	53.87 3.85 0.00	61.55 4.56 0.00	72.18 5.41 0.00	77.52 5.87 0.00	107.51 8.33 0.00	126.50 11.08 0.00	110.94 10.18 0.00	90.41 8.89 0.00	72.34 6.99 0.00	57.33 5.54 0.00	46.88 3.71 0.00	41.11 3.19 0.00
BLUE_CIRC_CHEM_DRP 24182	36.54 1.13 0.00	33.56 1.04 0.00	31.29 1.03 0.00	30.24 0.97 0.00	30.64 0.95 0.00	31.74 0.92 0.00	34.38 0.94 0.00	37.30 0.98 0.00	38.79 0.98 0.00	39.69 1.34 0.00	42.33 0.95 0.00	49.26 0.92 0.00	50.92 0.90 0.00	57.96 0.97 0.00	67.77 1.00 0.00	72.93 1.29 0.00	100.76 1.59 0.00	117.04 1.62 0.00	102.38 1.61 0.00	83.00 1.47 0.00	66.40 1.05 0.00	53.92 2.12 0.00	45.11 1.94 0.00	39.33 1.40 0.00
BOC_GAS_DRP 24189	36.04 0.64 0.00	33.11 0.59 0.00	30.90 0.64 0.00	29.92 0.64 0.00	30.29 0.59 0.00	31.37 0.55 0.00	34.01 0.57 0.00	37.01 0.69 0.00	38.48 0.68 0.00	39.34 1.00 0.00	42.62 1.24 0.00	49.65 1.31 0.00	51.27 1.25 0.00	58.30 1.31 0.00	68.24 1.47 0.00	73.43 1.79 0.00	101.66 2.48 0.00	117.96 2.54 0.00	103.08 2.32 0.00	83.65 2.12 0.00	66.79 1.44 0.00	53.14 1.35 0.00	44.63 1.47 0.00	38.83 0.91 0.00
BOONVLE_115KV_TB1 79983	36.15 0.74 0.00	33.14 0.62 0.00	30.66 0.39 0.00	29.66 0.38 0.00	30.14 0.45 0.00	31.34 0.52 0.00	34.01 0.57 0.00	37.01 0.69 0.00	38.52 0.72 0.00	39.19 0.84 0.00	42.37 0.99 0.00	49.55 1.21 0.00	51.27 1.25 0.00	58.64 1.65 0.00	68.71 1.94 0.00	73.79 2.15 0.00	102.15 2.98 0.00	119.12 3.69 0.00	103.99 3.22 0.00	84.38 2.85 0.00	67.44 2.09 0.00	53.50 1.71 0.00	44.20 1.04 0.00	38.80 0.87 0.00
BORALEX_4TH_BRANCH 23824	36.72 1.31 0.00	33.89 1.37 0.00	31.66 1.39 0.00	30.56 1.29 0.00	31.00 1.30 0.00	32.17 1.35 0.00	34.95 1.51 0.00	37.92 1.60 0.00	39.58 1.78 0.00	40.49 2.15 0.00	43.86 2.48 0.00	51.19 2.85 0.00	52.92 2.90 0.00	60.23 3.25 0.00	70.51 3.74 0.00	76.16 4.52 0.00	105.43 6.25 0.00	122.35 6.92 0.00	107.22 6.45 0.00	86.99 5.46 0.00	69.21 3.85 0.00	54.69 2.90 0.00	46.01 2.85 0.00	39.97 2.05 0.00
BOWLINE___1 23526	36.51 1.10 0.00	33.79 1.27 0.00	31.51 1.24 0.00	30.45 1.17 0.00	30.85 1.16 0.00	31.92 1.11 0.00	34.64 1.20 0.00	37.81 1.49 0.00	39.58 1.78 0.00	40.65 2.30 0.00	43.86 2.48 0.00	51.14 2.80 0.00	52.72 2.70 0.00	59.89 2.90 0.00	70.37 3.60 0.00	75.72 4.08 0.00	105.62 6.44 0.00	122.00 6.58 0.00	106.61 5.84 0.00	86.25 4.73 0.00	68.10 2.74 0.00	54.02 2.23 0.00	45.89 2.72 0.00	39.67 1.75 0.00
BOWLINE___2 23595	36.57 1.17 0.00	33.86 1.33 0.00	31.56 1.30 0.00	30.48 1.20 0.00	30.88 1.19 0.00	31.95 1.14 0.00	34.71 1.27 0.00	37.88 1.56 0.00	39.65 1.85 0.00	40.69 2.34 0.00	43.95 2.57 0.00	51.24 2.90 0.00	52.82 2.80 0.00	60.01 3.02 0.00	70.51 3.74 0.00	75.87 4.23 0.00	105.82 6.65 0.00	122.23 6.81 0.00	106.81 6.05 0.00	86.34 4.81 0.00	68.16 2.81 0.00	54.07 2.28 0.00	45.97 2.80 0.00	39.74 1.82 0.00
BRADY___115KV_TB2 356060	34.88 -0.53 0.00	31.97 -0.55 0.00	29.75 -0.51 0.00	28.81 -0.47 0.00	29.22 -0.48 0.00	30.38 -0.43 0.00	32.91 -0.54 0.00	35.78 -0.54 0.00	37.20 -0.60 0.00	37.47 -0.88 0.00	39.40 -1.99 0.00	46.02 -2.32 0.00	47.77 -2.25 0.00	54.54 -2.45 0.00	63.97 -2.80 0.00	68.77 -2.87 0.00	94.52 -4.66 0.00	112.65 -2.77 0.00	97.34 -3.43 0.00	77.94 -3.59 0.00	62.74 -2.61 0.00	49.62 -2.18 0.00	41.78 -1.38 0.00	37.20 -0.72 0.00
BRANSCOMB___SOLAR 323811	37.32 1.91 0.00	34.31 1.79 0.00	31.96 1.69 0.00	30.86 1.58 0.00	31.29 1.60 0.00	32.48 1.66 0.00	35.28 1.84 0.00	38.21 1.89 0.00	39.84 2.04 0.00	40.84 2.49 0.00	44.23 2.85 0.00	51.87 3.53 0.00	53.62 3.60 0.00	61.20 4.22 0.00	71.11 4.34 0.00	76.51 4.87 0.00	106.12 6.94 0.00	123.28 7.85 0.00	108.12 7.35 0.00	87.48 5.95 0.00	69.92 4.57 0.00	55.62 3.83 0.00	46.44 3.28 0.00	40.46 2.54 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	39.66 3.01 -1.25	35.37 2.83 -0.02	33.69 2.72 -0.70	32.28 2.55 -0.46	33.00 2.52 -0.79	33.37 2.56 0.00	36.97 2.88 -0.65	39.37 3.05 0.00	42.95 2.65 -2.50	53.61 3.45 -11.82	46.66 3.85 -1.43	52.26 3.92 0.00	64.04 4.30 -9.72	87.70 4.79 -25.93	125.59 5.94 -52.88	145.62 6.66 -67.31	165.58 9.82 -56.59	167.75 10.62 -41.71	153.92 9.37 -43.79	109.22 7.75 -19.95	127.93 4.90 -57.68	72.44 3.78 -16.87	60.78 4.06 -13.56	41.54 2.81 -0.81
BRISTLHL_115KV_TB1 79998	35.44 0.04 0.00	32.55 0.03 0.00	30.17 -0.09 0.00	29.19 -0.09 0.00	29.63 -0.06 0.00	30.78 -0.03 0.00	33.51 0.07 0.00	36.28 -0.04 0.00	37.80 0.00 0.00	38.46 0.12 0.00	41.71 0.33 0.00	48.83 0.48 0.00	50.57 0.55 0.00	57.67 0.68 0.00	67.57 0.80 0.00	72.29 0.64 0.00	100.07 0.89 0.00	116.23 0.81 0.00	101.67 0.91 0.00	82.34 0.82 0.00	66.20 0.85 0.00	52.46 0.67 0.00	43.29 0.13 0.00	38.00 0.08 0.00
BROOKHAVEN___DRP 24191	39.85 3.19 -1.25	35.53 2.99 -0.02	33.84 2.88 -0.70	32.40 2.66 -0.46	33.15 2.67 -0.79	33.49 2.68 0.00	37.14 3.04 -0.65	39.55 3.23 0.00	42.56 2.84 -1.92	44.44 3.53 -2.56	52.32 4.10 -6.84	52.74 4.40 0.00	101.35 5.00 -46.33	168.71 5.58 -106.14	342.96 6.74 -269.44	311.98 7.45 -232.89	305.81 10.51 -196.12	296.46 11.31 -169.72	297.29 10.08 -186.45	247.79 8.72 -157.54	392.97 5.88 -321.74	183.63 4.56 -127.28	112.31 4.53 -64.61	44.93 3.15 -3.86
BROOKLYN_NAVY_YARD 23515	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.15 1.70 0.00	38.46 2.14 0.00	40.34 2.53 0.00	41.42 3.07 0.00	44.65 3.27 0.00	51.97 3.63 0.00	53.37 3.35 0.00	60.64 3.65 0.00	71.37 4.60 0.00	76.80 5.16 0.00	107.31 8.13 0.00	123.85 8.42 0.00	108.22 7.46 0.00	87.48 5.95 0.00	68.68 3.33 0.00	54.38 2.59 0.00	46.62 3.45 0.00	40.20 2.28 0.00



BROOKLYN___ARMY_DRP 323595	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
BROOKVLE_69_KV_TB1 55790	39.06 2.41 -1.24	34.81 2.28 -0.02	33.15 2.18 -0.70	31.79 2.05 -0.46	32.50 2.02 -0.79	32.85 2.03 0.00	36.33 2.24 -0.65	38.94 2.62 0.00	40.37 2.57 0.00	41.61 3.26 0.00	45.23 3.85 0.00	52.55 4.21 0.00	54.52 4.50 0.00	66.63 5.01 -4.63	80.66 6.08 -7.81	101.79 6.81 -23.34	128.92 10.22 -19.53	133.99 10.85 -7.71	116.24 9.57 -5.90	89.13 7.58 -0.02	70.25 4.90 0.00	55.62 3.83 0.00	47.18 4.01 0.00	40.62 2.69 0.00
BROOME_2_LFGE 323671	36.22 0.81 0.00	33.01 0.49 0.00	30.60 0.33 0.00	29.57 0.29 0.00	30.02 0.33 0.00	31.18 0.37 0.00	33.97 0.53 0.00	36.87 0.55 0.00	38.56 0.76 0.00	39.27 0.92 0.00	42.54 1.16 0.00	49.79 1.45 0.00	51.52 1.50 0.00	58.81 1.82 0.00	69.04 2.27 0.00	73.86 2.22 0.00	102.15 2.97 0.00	118.42 3.00 0.00	103.78 3.02 0.00	84.06 2.53 0.00	67.77 2.42 0.00	53.60 1.81 0.00	44.37 1.21 0.00	38.91 0.98 0.00
BROOME___LFGE 323600	36.22 0.81 0.00	33.01 0.49 0.00	30.60 0.33 0.00	29.57 0.29 0.00	30.02 0.33 0.00	31.18 0.37 0.00	33.97 0.53 0.00	36.87 0.55 0.00	38.56 0.76 0.00	39.27 0.92 0.00	42.54 1.16 0.00	49.79 1.45 0.00	51.52 1.50 0.00	58.81 1.82 0.00	69.04 2.27 0.00	73.86 2.22 0.00	102.15 2.97 0.00	118.42 3.00 0.00	103.78 3.02 0.00	84.06 2.53 0.00	67.77 2.42 0.00	53.60 1.81 0.00	44.37 1.21 0.00	38.91 0.98 0.00
BROWNFLS_115KV_TB_3_5 80003	34.80 -0.60 0.00	31.87 -0.65 0.00	29.57 -0.70 0.00	28.60 -0.67 0.00	29.04 -0.65 0.00	30.23 -0.59 0.00	32.81 -0.64 0.00	35.67 -0.65 0.00	37.05 -0.76 0.00	37.50 -0.84 0.00	39.81 -1.57 0.00	46.60 -1.74 0.00	48.17 -1.85 0.00	55.16 -1.82 0.00	64.57 -2.20 0.00	69.42 -2.22 0.00	95.81 -3.37 0.00	113.46 -1.96 0.00	98.45 -2.32 0.00	79.33 -2.20 0.00	63.59 -1.76 0.00	50.39 -1.40 0.00	42.04 -1.12 0.00	37.16 -0.76 0.00
BROWNSV1_27_KV_LOAD 356125	37.50 2.09 0.00	34.47 1.95 0.00	32.14 1.88 0.00	31.01 1.73 0.00	31.38 1.69 0.00	32.48 1.66 0.00	35.31 1.87 0.00	38.79 2.47 0.00	40.41 2.61 0.00	41.49 3.14 0.00	45.27 3.89 0.00	52.69 4.35 0.00	54.07 4.05 0.00	61.43 4.45 0.00	72.31 5.54 0.00	77.87 6.23 0.00	108.70 9.52 0.00	125.35 9.93 0.00	109.63 8.87 0.00	88.70 7.17 0.00	69.80 4.44 0.00	55.11 3.31 0.00	47.14 3.97 0.00	40.54 2.62 0.00
BURROWS___LYONSDAL 23803	36.01 0.60 0.00	33.01 0.49 0.00	30.54 0.27 0.00	29.54 0.26 0.00	30.02 0.33 0.00	31.21 0.40 0.00	33.91 0.47 0.00	36.87 0.54 0.00	38.33 0.53 0.00	39.00 0.65 0.00	42.13 0.74 0.00	49.26 0.92 0.00	50.97 0.95 0.00	58.30 1.31 0.00	68.31 1.54 0.00	73.36 1.72 0.00	101.66 2.48 0.00	118.66 3.23 0.00	103.59 2.82 0.00	84.06 2.53 0.00	67.18 1.83 0.00	53.29 1.50 0.00	43.99 0.82 0.00	38.64 0.72 0.00
CAITHNESS_CC_1 323624	39.56 2.90 -1.25	35.50 2.96 -0.02	33.81 2.84 -0.70	32.37 2.64 -0.46	33.12 2.64 -0.79	33.50 2.68 -0.01	37.13 3.04 -0.65	39.55 3.23 0.00	43.53 3.82 -1.91	48.25 4.26 -5.65	51.86 3.68 -6.80	52.40 4.06 0.00	100.84 4.75 -46.06	167.77 5.24 -105.55	294.42 6.35 -221.31	310.19 6.88 -231.67	304.28 10.01 -195.09	295.05 10.85 -168.78	295.84 9.67 -185.40	273.84 8.15 -184.16	343.90 5.29 -273.25	135.97 4.25 -79.93	111.59 4.19 -64.24	44.83 3.07 -3.84
CALPINE BETH_PAGE_GT4 24209	39.06 2.41 -1.24	34.81 2.28 -0.02	33.18 2.21 -0.70	31.79 2.05 -0.46	32.50 2.02 -0.79	32.88 2.06 0.00	36.37 2.27 -0.65	38.86 2.54 0.00	40.21 2.27 -0.14	41.77 2.84 -0.59	44.82 3.35 -0.09	51.87 3.53 0.00	54.68 4.05 -0.61	67.39 4.45 -5.96	82.87 5.48 -10.63	103.96 6.23 -26.09	130.44 9.42 -21.84	135.30 10.04 -9.83	117.89 8.87 -8.26	88.55 7.01 -0.02	73.26 4.31 -3.60	56.26 3.42 -1.05	47.68 3.67 -0.85	40.48 2.50 -0.05
CALPINE_BETH_PAGE_GT_4 323586	38.99 2.34 -1.24	34.91 2.37 -0.02	33.24 2.27 -0.70	31.87 2.14 -0.46	32.62 2.14 -0.79	33.01 2.19 -0.01	36.50 2.41 -0.65	39.05 2.73 0.00	41.23 3.29 -0.14	42.68 3.64 -0.69	44.70 3.23 -0.09	51.82 3.48 0.00	54.68 4.05 -0.61	67.39 4.45 -5.95	82.87 5.48 -10.63	103.81 6.09 -26.08	130.45 9.43 -21.84	135.19 9.93 -9.83	117.79 8.76 -8.26	90.98 7.01 -2.44	73.13 4.19 -3.60	56.26 3.42 -1.05	47.55 3.54 -0.85	40.63 2.65 -0.05
CALPINE_BP_GT1 23823	38.99 2.34 -1.24	34.91 2.37 -0.02	33.24 2.27 -0.70	31.87 2.14 -0.46	32.62 2.14 -0.79	33.01 2.19 -0.01	36.50 2.41 -0.65	39.05 2.73 0.00	41.23 3.29 -0.14	42.68 3.64 -0.69	44.70 3.23 -0.09	51.82 3.48 0.00	54.68 4.05 -0.61	67.39 4.45 -5.95	82.87 5.48 -10.63	103.81 6.09 -26.08	130.45 9.43 -21.84	135.19 9.93 -9.83	117.79 8.76 -8.26	90.98 7.01 -2.44	73.13 4.19 -3.60	56.26 3.42 -1.05	47.55 3.54 -0.85	40.63 2.65 -0.05
CALSPAN___DRP 24200	34.98 -0.42 0.00	32.23 -0.29 0.00	29.81 -0.45 0.00	28.69 -0.59 0.00	29.28 -0.42 0.00	30.54 -0.28 0.00	33.44 0.00 0.00	36.14 -0.18 0.00	38.18 0.38 0.00	38.39 0.04 0.00	42.04 0.66 0.00	49.21 0.87 0.00	50.77 0.75 0.00	58.41 1.42 0.00	68.71 1.94 0.00	72.29 0.64 0.00	100.27 1.09 0.00	115.65 0.23 0.00	101.37 0.60 0.00	81.77 0.24 0.00	66.79 1.44 0.00	53.09 1.29 0.00	42.43 -0.73 0.00	38.19 0.27 0.00
CALVERTON___SOLAR 323806	39.95 3.29 -1.25	35.82 3.28 -0.02	34.11 3.15 -0.70	32.67 2.93 -0.46	33.42 2.94 -0.79	33.81 2.99 -0.01	37.50 3.41 -0.65	39.95 3.63 0.00	43.96 4.23 -1.92	48.69 4.68 -5.67	52.41 4.18 -6.86	52.98 4.64 0.00	101.82 5.35 -46.45	169.42 6.04 -106.39	340.65 7.21 -266.67	312.93 7.88 -233.41	306.94 11.20 -196.56	297.78 12.23 -170.13	298.65 10.98 -186.90	320.18 9.37 -229.28	390.81 6.34 -319.12	180.99 5.02 -124.17	112.73 4.79 -64.77	45.40 3.60 -3.87
CANDIGU_WT_PWR 323617	36.47 1.06 0.00	32.81 0.29 0.00	30.29 0.03 0.00	29.22 -0.06 0.00	29.69 0.00 0.00	30.97 0.15 0.00	33.91 0.47 0.00	36.72 0.40 0.00	38.60 0.80 0.00	39.15 0.81 0.00	42.62 1.24 0.00	49.89 1.55 0.00	51.62 1.60 0.00	59.04 2.05 0.00	69.51 2.74 0.00	73.93 2.29 0.00	101.86 2.68 0.00	117.85 2.43 0.00	103.49 2.72 0.00	83.64 2.12 0.00	68.16 2.81 0.00	53.97 2.17 0.00	44.11 0.95 0.00	38.95 1.02 0.00
CARR STREET_E_SYR 24060	35.48 0.07 0.00	32.46 -0.06 0.00	30.11 -0.15 0.00	29.10 -0.17 0.00	29.51 -0.18 0.00	30.69 -0.12 0.00	33.41 -0.03 0.00	36.25 -0.07 0.00	37.84 0.04 0.00	38.54 0.19 0.00	41.71 0.33 0.00	48.83 0.48 0.00	50.57 0.55 0.00	57.42 0.74 0.31	67.13 0.87 0.50	71.76 0.72 0.60	98.99 0.89 1.08	116.12 0.70 0.00	101.67 0.90 0.00	81.51 0.73 0.76	65.78 0.91 0.49	52.46 0.67 0.00	43.43 0.26 0.00	38.08 0.15 0.00



CARTHAGE___PAPER 23857	35.62 0.21 0.00	32.62 0.10 0.00	30.14 -0.12 0.00	29.16 -0.12 0.00	29.63 -0.06 0.00	30.84 0.03 0.00	33.54 0.10 0.00	36.47 0.15 0.00	37.84 0.04 0.00	38.35 0.00 0.00	41.30 -0.08 0.00	48.34 0.00 0.00	49.97 -0.05 0.00	54.03 0.34 3.31	61.82 0.40 5.35	65.97 0.72 6.39	88.29 1.09 11.98	117.61 2.19 0.00	102.58 1.82 0.00	74.89 1.71 8.35	61.14 1.18 5.39	52.72 0.93 0.00	43.34 0.17 0.00	38.23 0.30 0.00
CASSADAGA_WT_PWR 323784	37.39 1.98 0.00	33.33 0.81 0.00	30.69 0.42 0.00	29.54 0.26 0.00	30.05 0.36 0.00	31.37 0.56 0.00	34.54 1.10 0.00	37.37 1.05 0.00	39.65 1.85 0.00	40.07 1.73 0.00	43.91 2.52 0.00	51.39 3.05 0.00	53.02 3.00 0.00	60.98 3.99 0.00	71.84 5.07 0.00	76.08 4.44 0.00	104.83 5.65 0.00	120.85 5.43 0.00	106.20 5.44 0.00	85.36 3.83 0.00	69.73 4.38 0.00	54.95 3.16 0.00	44.59 1.42 0.00	39.52 1.59 0.00
CE_DUNWOOD___DRP 24194	36.96 1.56 0.00	34.02 1.50 0.00	31.75 1.48 0.00	30.62 1.35 0.00	31.00 1.31 0.00	32.11 1.29 0.00	34.88 1.44 0.00	38.17 1.85 0.00	39.77 1.97 0.00	40.80 2.45 0.00	44.49 3.10 0.00	51.77 3.43 0.00	53.32 3.30 0.00	60.58 3.59 0.00	71.18 4.41 0.00	76.73 5.09 0.00	106.81 7.64 0.00	123.39 7.96 0.00	107.82 7.05 0.00	87.23 5.71 0.00	68.95 3.59 0.00	54.48 2.69 0.00	46.36 3.19 0.00	39.97 2.05 0.00
CE_MILLWOOD___DRP 24193	36.89 1.49 0.00	33.95 1.43 0.00	31.66 1.39 0.00	30.57 1.29 0.00	30.94 1.25 0.00	32.04 1.23 0.00	34.81 1.37 0.00	38.10 1.78 0.00	39.65 1.85 0.00	40.69 2.34 0.00	44.32 2.94 0.00	51.63 3.29 0.00	53.17 3.15 0.00	60.46 3.48 0.00	70.98 4.21 0.00	76.51 4.87 0.00	106.52 7.34 0.00	123.04 7.62 0.00	107.51 6.75 0.00	86.99 5.46 0.00	68.82 3.46 0.00	54.43 2.64 0.00	46.27 3.11 0.00	39.90 1.97 0.00
CE_NYC2_DRP 24202	37.18 1.77 0.00	34.15 1.63 0.00	31.90 1.63 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.14 1.32 0.00	34.95 1.50 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.69 3.31 0.00	51.77 3.43 0.01	53.11 3.10 0.01	58.35 3.36 1.99	65.63 4.21 5.35	58.30 4.87 18.21	99.50 7.54 7.22	116.28 7.62 6.76	73.14 6.75 34.37	57.81 5.46 29.19	53.65 3.20 14.90	51.03 2.38 3.15	46.49 3.32 0.00	40.08 2.16 0.00
CE_NYC_DRP 24195	37.18 1.77 0.00	34.18 1.66 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.01 1.57 0.00	38.46 2.14 0.00	40.03 2.23 0.00	41.11 2.76 0.00	44.82 3.43 0.00	52.16 3.82 0.00	53.52 3.50 0.00	60.81 3.82 0.00	71.58 4.81 0.00	77.09 5.44 0.00	107.51 8.33 0.00	124.08 8.66 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.01 3.66 0.00	54.54 2.74 0.00	46.66 3.50 0.00	40.16 2.24 0.00
CHAFFEE___LFGE 323603	36.47 1.06 0.00	32.46 -0.06 0.00	29.93 -0.33 0.00	28.84 -0.44 0.00	29.34 -0.35 0.00	30.60 -0.21 0.00	33.61 0.17 0.00	36.32 0.00 0.00	38.37 0.57 0.00	38.65 0.31 0.00	42.25 0.87 0.00	49.40 1.06 0.00	51.02 1.00 0.00	58.70 1.71 0.00	69.11 2.34 0.00	73.29 1.65 0.00	100.86 1.68 0.00	116.34 0.92 0.00	102.37 1.61 0.00	82.43 0.90 0.00	67.57 2.22 0.00	53.34 1.55 0.00	43.34 0.17 0.00	38.57 0.64 0.00
CHATEAUG_35_KV_LOAD 355732	34.95 -0.46 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.07 -0.20 0.00	29.48 -0.21 0.00	30.66 -0.15 0.00	33.11 -0.33 0.00	35.99 -0.33 0.00	37.42 -0.38 0.00	37.66 -0.69 0.00	40.10 -1.28 0.00	46.84 -1.50 0.00	48.52 -1.50 0.00	55.28 -1.71 0.00	64.77 -2.00 0.00	69.63 -2.01 0.00	95.71 -3.47 0.00	112.54 -2.89 0.00	97.64 -3.12 0.00	78.67 -2.85 0.00	63.52 -1.83 0.00	50.08 -1.71 0.00	41.78 -1.38 0.00	37.09 -0.83 0.00
CHATEAUG_WT_PWR 323614	34.88 -0.53 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.07 -0.20 0.00	29.48 -0.21 0.00	30.69 -0.12 0.00	33.11 -0.33 0.00	35.92 -0.40 0.00	37.20 -0.61 0.00	37.39 -0.96 0.00	40.06 -1.33 0.00	46.79 -1.55 0.00	48.47 -1.55 0.00	55.22 -1.77 0.00	64.70 -2.07 0.00	69.49 -2.15 0.00	95.51 -3.67 0.00	112.42 -3.00 0.00	97.54 -3.23 0.00	78.51 -3.01 0.00	63.39 -1.96 0.00	49.98 -1.81 0.00	41.44 -1.73 0.00	36.90 -1.02 0.00
CHAT_HIGH_FALL_HYD 323578	34.91 -0.50 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.07 -0.20 0.00	29.48 -0.21 0.00	30.69 -0.12 0.00	33.17 -0.27 0.00	35.99 -0.33 0.00	37.24 -0.57 0.00	37.43 -0.92 0.00	40.10 -1.28 0.00	46.84 -1.50 0.00	48.52 -1.50 0.00	54.24 -1.71 1.04	63.08 -2.00 1.69	67.62 -2.01 2.01	91.92 -3.47 3.78	112.54 -2.88 0.00	97.64 -3.12 0.00	75.96 -2.93 2.64	61.82 -1.83 1.70	50.08 -1.71 0.00	41.48 -1.68 0.00	36.94 -0.99 0.00
CHAUTAUQUA___LFGE 323629	37.00 1.59 0.00	33.01 0.49 0.00	30.39 0.12 0.00	29.28 0.00 0.00	29.78 0.09 0.00	31.06 0.25 0.00	34.14 0.70 0.00	36.90 0.58 0.00	39.09 1.29 0.00	39.46 1.11 0.00	43.16 1.78 0.00	50.52 2.18 0.00	52.12 2.10 0.00	59.95 2.96 0.00	70.64 3.87 0.00	74.87 3.23 0.00	103.04 3.86 0.00	118.77 3.35 0.00	104.39 3.62 0.00	84.06 2.53 0.00	68.81 3.46 0.00	54.23 2.43 0.00	44.07 0.91 0.00	39.10 1.18 0.00
CHERRYST_13_KV_LD 356241	37.28 1.88 0.00	34.31 1.79 0.00	31.99 1.73 0.00	30.86 1.58 0.00	31.24 1.54 0.00	32.32 1.51 0.00	35.15 1.71 0.00	38.61 2.29 0.00	40.22 2.42 0.00	41.30 2.95 0.00	45.02 3.64 0.00	52.45 4.11 0.00	53.77 3.75 0.00	61.15 4.16 0.00	71.98 5.21 0.00	77.52 5.87 0.00	108.10 8.93 0.00	124.66 9.23 0.00	108.93 8.16 0.00	88.05 6.52 0.00	69.27 3.92 0.00	54.74 2.95 0.00	46.83 3.67 0.00	40.31 2.39 0.00
CHESTROR_138KV_BK263 355645	36.57 1.17 0.00	33.66 1.14 0.00	31.35 1.09 0.00	30.30 1.02 0.00	30.67 0.98 0.00	31.74 0.92 0.00	34.44 1.00 0.00	37.66 1.34 0.00	39.13 1.32 0.00	40.11 1.76 0.00	43.66 2.28 0.00	50.90 2.56 0.00	52.47 2.45 0.00	59.72 2.74 0.00	70.11 3.34 0.00	75.51 3.87 0.00	105.13 5.95 0.00	121.54 6.12 0.00	106.21 5.44 0.00	85.93 4.40 0.00	68.10 2.74 0.00	53.92 2.12 0.00	45.67 2.50 0.00	39.48 1.55 0.00
CH_MIDHUDSON___DRP 24192	36.89 1.49 0.00	33.95 1.43 0.00	31.66 1.39 0.00	30.60 1.32 0.00	30.97 1.28 0.00	32.01 1.20 0.00	34.75 1.30 0.00	38.14 1.82 0.00	39.62 1.81 0.00	40.61 2.26 0.00	44.28 2.90 0.00	51.68 3.34 0.00	53.37 3.35 0.00	60.69 3.70 0.00	71.18 4.41 0.00	76.80 5.16 0.00	107.01 7.84 0.00	123.62 8.20 0.00	108.12 7.36 0.00	87.48 5.95 0.00	69.34 3.99 0.00	54.85 3.06 0.00	46.45 3.28 0.00	40.08 2.16 0.00
CH_MISC_IPPS 23765	37.11 1.70 0.00	34.34 1.82 0.00	31.96 1.69 0.00	30.89 1.61 0.00	31.26 1.57 0.00	32.29 1.48 0.00	35.05 1.61 0.00	38.43 2.11 0.00	40.11 2.31 0.00	41.15 2.80 0.00	44.53 3.14 0.00	52.01 3.67 0.00	53.92 3.90 0.00	61.26 4.28 0.00	71.71 4.94 0.00	77.37 5.73 0.00	108.00 8.82 0.00	124.89 9.47 0.00	109.12 8.36 0.00	88.21 6.69 0.00	69.66 4.31 0.00	55.68 3.89 0.00	47.05 3.89 0.00	40.66 2.73 0.00



CH_RES_BVR_FALLS 23983	35.02 -0.39 0.00	32.16 -0.36 0.00	29.93 -0.33 0.00	28.99 -0.29 0.00	29.39 -0.30 0.00	30.53 -0.28 0.00	33.14 -0.30 0.00	35.99 -0.33 0.00	37.39 -0.41 0.00	37.81 -0.54 0.00	40.68 -0.70 0.00	47.52 -0.82 0.00	49.22 -0.80 0.00	56.00 -1.31 -0.32	65.68 -1.60 -0.52	70.54 -1.72 -0.62	97.76 -2.58 -1.16	112.88 -2.54 0.00	98.34 -2.42 0.00	80.30 -2.04 -0.81	64.30 -1.57 -0.52	50.86 -0.93 0.00	42.34 -0.82 0.00	37.39 -0.53 0.00
CH_RES_NIAGARA 23895	35.05 -0.35 0.00	31.06 -1.46 0.00	28.69 -1.58 0.00	27.67 -1.61 0.00	28.12 -1.57 0.00	29.33 -1.48 0.00	32.07 -1.37 0.00	34.58 -1.74 0.00	36.44 -1.36 0.00	36.66 -1.69 0.00	40.06 -1.33 0.00	46.89 -1.45 0.00	48.27 -1.75 0.00	55.51 -1.48 0.00	65.24 -1.53 0.00	69.13 -2.51 0.00	95.02 -4.16 0.00	109.54 -5.88 0.00	96.43 -4.33 0.00	77.78 -3.75 0.00	64.11 -1.24 0.00	50.70 -1.09 0.00	41.27 -1.90 0.00	36.90 -1.02 0.00
CH_RES_SYRACUSE 23985	35.90 0.50 0.00	32.85 0.33 0.00	30.42 0.15 0.00	29.43 0.15 0.00	29.84 0.15 0.00	31.03 0.22 0.00	33.74 0.30 0.00	36.61 0.29 0.00	38.26 0.46 0.00	38.96 0.61 0.00	41.96 0.58 0.00	49.07 0.73 0.00	50.87 0.85 0.00	57.73 1.03 0.28	67.45 1.13 0.46	72.17 1.08 0.55	99.70 1.49 0.97	116.81 1.39 0.00	102.28 1.51 0.00	82.08 1.22 0.68	66.29 1.37 0.44	52.83 1.04 0.00	43.72 0.56 0.00	38.30 0.38 0.00
CLINTON_WT_PWR 323605	34.88 -0.53 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.07 -0.20 0.00	29.48 -0.21 0.00	30.69 -0.12 0.00	33.11 -0.33 0.00	35.92 -0.40 0.00	37.20 -0.61 0.00	37.39 -0.96 0.00	40.06 -1.33 0.00	46.79 -1.55 0.00	48.47 -1.55 0.00	55.22 -1.77 0.00	64.70 -2.07 0.00	69.49 -2.15 0.00	95.51 -3.67 0.00	112.42 -3.00 0.00	97.54 -3.23 0.00	78.51 -3.01 0.00	63.39 -1.96 0.00	49.98 -1.81 0.00	41.44 -1.73 0.00	36.90 -1.02 0.00
CLINTON___LFGE 323618	35.16 -0.25 0.00	32.33 -0.19 0.00	30.29 0.03 0.00	29.37 0.09 0.00	29.78 0.09 0.00	31.06 0.25 0.00	33.47 0.03 0.00	36.25 -0.07 0.00	37.50 -0.30 0.00	37.70 -0.65 0.00	40.39 -0.99 0.00	47.18 -1.16 0.00	48.87 -1.15 0.00	55.44 -1.25 0.30	64.82 -1.47 0.48	69.70 -1.36 0.58	95.22 -2.88 1.08	113.35 -2.07 0.00	98.25 -2.52 0.00	78.41 -2.37 0.75	63.69 -1.17 0.48	50.50 -1.29 0.00	41.74 -1.42 0.00	37.20 -0.72 0.00
COBBLENY_34_KV_TB1 80064	35.09 -0.32 0.00	32.33 -0.20 0.00	29.87 -0.39 0.00	28.78 -0.50 0.00	29.36 -0.33 0.00	30.63 -0.18 0.00	33.57 0.13 0.00	36.32 0.00 0.00	38.37 0.57 0.00	38.58 0.23 0.00	42.25 0.87 0.00	49.41 1.06 0.00	51.02 1.00 0.00	58.70 1.71 0.00	69.11 2.34 0.00	72.72 1.07 0.00	100.86 1.69 0.00	116.35 0.92 0.00	102.07 1.31 0.00	82.34 0.82 0.00	67.18 1.83 0.00	53.35 1.55 0.00	42.60 -0.56 0.00	38.30 0.38 0.00
COFFEEN___115KV_TB3 355620	36.29 0.89 0.00	33.20 0.68 0.00	30.60 0.33 0.00	29.60 0.32 0.00	30.11 0.42 0.00	31.37 0.55 0.00	34.08 0.64 0.00	37.05 0.73 0.00	38.44 0.64 0.00	39.04 0.69 0.00	42.25 0.87 0.00	49.50 1.16 0.00	51.27 1.25 0.00	58.93 1.94 0.00	68.91 2.14 0.00	74.15 2.51 0.00	102.95 3.77 0.00	120.50 5.08 0.00	105.40 4.64 0.00	85.77 4.24 0.00	68.36 3.01 0.00	54.23 2.43 0.00	44.46 1.29 0.00	39.02 1.10 0.00
COLDSPRG_115KV_BK1 355956	36.19 0.78 0.00	33.33 0.81 0.00	30.75 0.48 0.00	29.57 0.29 0.00	30.23 0.53 0.00	31.52 0.71 0.00	34.71 1.27 0.00	37.59 1.27 0.00	39.88 2.08 0.00	40.15 1.80 0.00	44.15 2.77 0.00	51.63 3.29 0.00	53.37 3.35 0.00	61.32 4.33 0.00	72.31 5.54 0.00	76.15 4.51 0.00	105.52 6.35 0.00	121.66 6.23 0.00	106.71 5.95 0.00	85.93 4.40 0.00	69.73 4.38 0.00	55.21 3.42 0.00	44.16 0.99 0.00	39.48 1.55 0.00
COLONIE_LFGE___ 323577	36.61 1.20 0.00	33.73 1.20 0.00	31.48 1.21 0.00	30.39 1.11 0.00	30.82 1.13 0.00	31.95 1.14 0.00	34.68 1.24 0.00	37.63 1.31 0.00	39.32 1.51 0.00	40.23 1.88 0.00	43.53 2.15 0.00	50.85 2.51 0.00	52.57 2.55 0.00	59.84 2.85 0.00	69.98 3.20 0.00	75.36 3.72 0.00	104.43 5.25 0.00	121.19 5.77 0.00	106.10 5.34 0.00	86.01 4.48 0.00	68.55 3.20 0.00	54.38 2.59 0.00	45.62 2.46 0.00	39.71 1.78 0.00
COOPERNY_115KV_TB1 80082	36.26 0.85 0.00	33.33 0.81 0.00	31.05 0.79 0.00	30.04 0.76 0.00	30.40 0.71 0.00	31.49 0.68 0.00	34.18 0.74 0.00	37.30 0.98 0.00	38.86 1.06 0.00	39.77 1.42 0.00	43.24 1.86 0.00	50.42 2.08 0.00	52.02 2.00 0.00	59.15 2.17 0.00	69.44 2.67 0.00	74.72 3.08 0.00	103.84 4.66 0.00	119.93 4.50 0.00	104.79 4.03 0.00	84.87 3.34 0.00	67.51 2.16 0.00	53.45 1.66 0.00	45.06 1.90 0.00	39.10 1.18 0.00
COPENHAGEN_WT_PWR 323753	35.97 0.56 0.00	32.88 0.36 0.00	30.35 0.09 0.00	29.37 0.09 0.00	29.84 0.15 0.00	31.06 0.25 0.00	33.78 0.33 0.00	36.72 0.40 0.00	38.14 0.34 0.00	38.77 0.42 0.00	41.88 0.50 0.00	49.07 0.73 0.00	50.82 0.80 0.00	55.70 1.31 2.60	64.02 1.47 4.21	68.40 1.79 5.03	92.23 2.48 9.42	118.88 3.46 0.00	103.99 3.22 0.00	77.89 2.93 6.57	63.27 2.15 4.24	53.55 1.76 0.00	43.98 0.82 0.00	38.64 0.72 0.00
CORNELL____ 23752	36.57 1.17 0.00	33.56 1.04 0.00	31.05 0.79 0.00	30.01 0.73 0.00	30.46 0.77 0.00	31.74 0.92 0.00	34.58 1.14 0.00	37.52 1.20 0.00	39.16 1.36 0.00	39.84 1.50 0.00	43.20 1.82 0.00	50.52 2.18 0.00	52.32 2.30 0.00	59.78 2.79 0.00	70.24 3.47 0.00	75.37 3.73 0.00	104.14 4.96 0.00	121.08 5.66 0.00	106.21 5.44 0.00	86.01 4.48 0.00	69.21 3.86 0.00	54.85 3.06 0.00	44.98 1.81 0.00	39.48 1.55 0.00
CORONAAV_69_KV_TB1 355595	39.09 2.44 -1.24	34.85 2.31 -0.02	33.18 2.21 -0.70	31.82 2.08 -0.46	32.53 2.05 -0.79	32.88 2.06 0.00	36.30 2.21 -0.65	38.86 2.54 0.00	40.15 2.34 0.00	41.41 3.07 0.00	45.11 3.72 0.00	52.40 4.06 0.00	54.52 4.50 0.00	66.46 4.84 -4.63	80.53 5.94 -7.81	101.57 6.59 -23.34	128.53 9.82 -19.53	133.76 10.62 -7.71	116.03 9.37 -5.90	89.04 7.50 -0.02	70.19 4.84 0.00	55.68 3.88 0.00	47.27 4.10 0.00	40.65 2.73 0.00
CORTLAND_115KV_TB3 80093	36.19 0.78 0.00	33.20 0.68 0.00	30.75 0.48 0.00	29.72 0.44 0.00	30.20 0.50 0.00	31.40 0.59 0.00	34.18 0.74 0.00	37.08 0.76 0.00	38.71 0.91 0.00	39.38 1.04 0.00	42.75 1.37 0.00	50.03 1.69 0.00	51.82 1.80 0.00	59.15 2.17 0.00	69.37 2.60 0.00	74.29 2.65 0.00	102.85 3.67 0.00	119.35 3.92 0.00	104.49 3.73 0.00	84.71 3.18 0.00	68.10 2.74 0.00	53.97 2.18 0.00	44.42 1.25 0.00	38.98 1.06 0.00
COXSACKIE___GT 23611	38.06 2.66 0.00	35.03 2.50 0.00	32.53 2.27 0.00	31.41 2.14 0.00	31.89 2.20 0.00	32.85 2.03 0.00	35.68 2.24 0.00	38.86 2.54 0.00	40.15 2.34 0.00	41.07 2.72 0.00	44.36 2.98 0.00	51.68 3.33 0.00	53.67 3.65 0.00	61.32 4.33 0.00	71.44 4.67 0.00	77.30 5.66 0.00	107.60 8.43 0.00	125.23 9.81 0.00	109.73 8.96 0.00	88.70 7.18 0.00	70.38 5.03 0.00	56.40 4.61 0.00	47.05 3.89 0.00	40.84 2.92 0.00



CPV_VALLEY___CC1 323721	36.22 0.81 0.00	33.47 0.94 0.00	31.20 0.94 0.00	30.16 0.88 0.00	30.55 0.86 0.00	31.61 0.80 0.00	34.31 0.87 0.00	37.41 1.09 0.00	39.12 1.32 0.00	40.07 1.73 0.00	43.33 1.95 0.00	50.52 2.18 0.00	52.12 2.10 0.00	59.21 2.22 0.00	69.51 2.74 0.00	74.79 3.15 0.00	104.13 4.96 0.00	120.38 4.96 0.00	105.30 4.54 0.00	85.20 3.67 0.00	67.44 2.09 0.00	53.50 1.71 0.00	45.32 2.16 0.00	39.29 1.36 0.00
CPV_VALLEY___CC2 323722	36.22 0.81 0.00	33.47 0.94 0.00	31.20 0.94 0.00	30.16 0.88 0.00	30.55 0.86 0.00	31.61 0.80 0.00	34.31 0.87 0.00	37.41 1.09 0.00	39.12 1.32 0.00	40.07 1.73 0.00	43.33 1.95 0.00	50.52 2.18 0.00	52.12 2.10 0.00	59.21 2.22 0.00	69.51 2.74 0.00	74.79 3.15 0.00	104.13 4.96 0.00	120.38 4.96 0.00	105.30 4.54 0.00	85.20 3.67 0.00	67.44 2.09 0.00	53.50 1.71 0.00	45.32 2.16 0.00	39.29 1.36 0.00
CRESCENT___HYD 24018	36.61 1.20 0.00	33.73 1.20 0.00	31.48 1.21 0.00	30.39 1.11 0.00	30.82 1.13 0.00	31.95 1.14 0.00	34.68 1.24 0.00	37.63 1.31 0.00	39.32 1.51 0.00	40.23 1.88 0.00	43.53 2.15 0.00	50.85 2.51 0.00	52.57 2.55 0.00	59.84 2.85 0.00	69.98 3.20 0.00	75.36 3.72 0.00	104.43 5.25 0.00	121.19 5.77 0.00	106.10 5.34 0.00	86.01 4.48 0.00	68.55 3.20 0.00	54.38 2.59 0.00	45.62 2.46 0.00	39.71 1.78 0.00
CRICKET___VALLEY_CC1 323756	36.29 0.89 0.00	33.59 1.07 0.00	31.41 1.15 0.00	30.33 1.05 0.00	30.73 1.04 0.00	31.83 1.02 0.00	34.48 1.04 0.00	37.52 1.20 0.00	39.24 1.44 0.00	40.26 1.92 0.00	43.53 2.15 0.00	50.71 2.37 0.00	52.37 2.35 0.00	59.49 2.50 0.00	69.78 3.01 0.00	75.29 3.65 0.00	104.63 5.45 0.00	120.96 5.54 0.00	105.80 5.04 0.00	85.76 4.24 0.00	67.90 2.55 0.00	53.76 1.97 0.00	45.58 2.42 0.00	39.48 1.56 0.00
CRICKET___VALLEY_CC2 323757	36.29 0.89 0.00	33.59 1.07 0.00	31.41 1.15 0.00	30.33 1.05 0.00	30.73 1.04 0.00	31.83 1.02 0.00	34.48 1.04 0.00	37.52 1.20 0.00	39.24 1.44 0.00	40.26 1.92 0.00	43.53 2.15 0.00	50.71 2.37 0.00	52.37 2.35 0.00	59.49 2.50 0.00	69.78 3.01 0.00	75.29 3.65 0.00	104.63 5.45 0.00	120.96 5.54 0.00	105.80 5.04 0.00	85.76 4.24 0.00	67.90 2.55 0.00	53.76 1.97 0.00	45.58 2.42 0.00	39.48 1.56 0.00
CRICKET___VALLEY_CC3 323758	36.29 0.89 0.00	33.59 1.07 0.00	31.41 1.15 0.00	30.33 1.05 0.00	30.73 1.04 0.00	31.83 1.02 0.00	34.48 1.04 0.00	37.52 1.20 0.00	39.24 1.44 0.00	40.26 1.92 0.00	43.53 2.15 0.00	50.71 2.37 0.00	52.37 2.35 0.00	59.49 2.50 0.00	69.78 3.01 0.00	75.29 3.65 0.00	104.63 5.45 0.00	120.96 5.54 0.00	105.80 5.04 0.00	85.76 4.24 0.00	67.90 2.55 0.00	53.76 1.97 0.00	45.58 2.42 0.00	39.48 1.56 0.00
CRUCIBLE_METL_DRP 24180	35.83 0.42 0.00	32.88 0.36 0.00	30.48 0.21 0.00	29.45 0.18 0.00	29.90 0.21 0.00	31.09 0.28 0.00	33.81 0.37 0.00	36.65 0.33 0.00	38.18 0.38 0.00	38.88 0.54 0.00	41.96 0.58 0.00	49.07 0.73 0.00	50.87 0.85 0.00	58.01 1.03 0.00	67.91 1.14 0.00	72.64 1.00 0.00	100.66 1.49 0.00	116.81 1.39 0.00	102.17 1.41 0.00	82.75 1.22 0.00	66.59 1.24 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00
DAHOWA___HYDRO 323763	37.53 2.12 0.00	34.51 1.98 0.00	32.11 1.85 0.00	30.98 1.70 0.00	31.44 1.75 0.00	32.63 1.82 0.00	35.45 2.01 0.00	38.39 2.07 0.00	40.07 2.27 0.00	41.07 2.72 0.00	44.53 3.14 0.00	52.26 3.91 0.00	54.02 4.00 0.00	61.71 4.73 0.00	71.51 4.74 0.00	76.94 5.30 0.00	106.81 7.64 0.00	124.19 8.77 0.00	108.72 7.96 0.00	87.97 6.44 0.00	70.32 4.96 0.00	55.98 4.19 0.00	46.71 3.54 0.00	40.69 2.77 0.00
DANC___LFGE 323619	35.76 0.35 0.00	32.72 0.20 0.00	30.26 0.00 0.00	29.25 -0.03 0.00	29.72 0.03 0.00	30.94 0.12 0.00	33.64 0.20 0.00	36.54 0.22 0.00	38.03 0.23 0.00	38.65 0.31 0.00	41.80 0.41 0.00	48.97 0.63 0.00	50.67 0.65 0.00	56.22 1.03 1.79	65.01 1.13 2.90	69.40 1.22 3.46	94.39 1.68 6.47	117.61 2.19 0.00	102.88 2.12 0.00	78.97 1.95 4.51	64.01 1.57 2.91	53.03 1.24 0.00	43.77 0.60 0.00	38.41 0.49 0.00
DANSKAMMER___1 23586	37.11 1.70 0.00	34.34 1.82 0.00	31.96 1.69 0.00	30.89 1.61 0.00	31.26 1.57 0.00	32.29 1.48 0.00	35.05 1.61 0.00	38.43 1.61 0.00	40.11 2.11 0.00	41.15 2.80 0.00	44.53 3.14 0.00	52.01 3.67 0.00	53.92 3.90 0.00	61.26 4.28 0.00	71.71 4.94 0.00	77.37 5.73 0.00	108.00 8.82 0.00	124.89 9.47 0.00	109.12 8.36 0.00	88.21 6.69 0.00	69.66 4.31 0.00	55.68 3.89 0.00	47.05 3.89 0.00	40.66 2.73 0.00
DANSKAMMER___2 23589	37.11 1.70 0.00	34.34 1.82 0.00	31.96 1.69 0.00	30.89 1.61 0.00	31.26 1.57 0.00	32.29 1.48 0.00	35.05 1.61 0.00	38.43 1.61 0.00	40.11 2.31 0.00	41.15 2.80 0.00	44.53 3.14 0.00	52.01 3.67 0.00	53.92 3.90 0.00	61.26 4.28 0.00	71.71 4.94 0.00	77.37 5.73 0.00	108.00 8.82 0.00	124.89 9.47 0.00	109.12 8.36 0.00	88.21 6.69 0.00	69.66 4.31 0.00	55.68 3.89 0.00	47.05 3.89 0.00	40.66 2.73 0.00
DANSKAMMER___3 23590	37.11 1.70 0.00	34.34 1.82 0.00	31.96 1.69 0.00	30.89 1.61 0.00	31.26 1.57 0.00	32.29 1.48 0.00	35.05 1.61 0.00	38.43 1.61 0.00	40.11 2.31 0.00	41.15 2.80 0.00	44.53 3.14 0.00	52.01 3.67 0.00	53.92 3.90 0.00	61.26 4.28 0.00	71.71 4.94 0.00	77.37 5.73 0.00	108.00 8.82 0.00	124.89 9.47 0.00	109.12 8.36 0.00	88.21 6.69 0.00	69.66 4.31 0.00	55.68 3.89 0.00	47.05 3.89 0.00	40.66 2.73 0.00
DANSKAMMER___4 23591	37.11 1.70 0.00	34.34 1.82 0.00	31.96 1.69 0.00	30.89 1.61 0.00	31.26 1.57 0.00	32.29 1.48 0.00	35.05 1.61 0.00	38.43 1.61 0.00	40.11 2.31 0.00	41.15 2.80 0.00	44.53 3.14 0.00	52.01 3.67 0.00	53.92 3.90 0.00	61.26 4.28 0.00	71.71 4.94 0.00	77.37 5.73 0.00	108.00 8.82 0.00	124.89 9.47 0.00	109.12 8.36 0.00	88.21 6.69 0.00	69.66 4.31 0.00	55.68 3.89 0.00	47.05 3.89 0.00	40.66 2.73 0.00
DANSKAMMER___DIESEL 23592	37.18 1.77 0.00	34.21 1.69 0.00	31.87 1.60 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.17 1.36 0.00	34.91 1.47 0.00	38.39 2.07 0.00	39.81 2.00 0.00	40.84 2.49 0.00	44.57 3.19 0.00	52.06 3.72 0.00	53.92 3.90 0.00	61.26 4.27 0.00	71.71 4.94 0.00	77.52 5.87 0.00	108.00 8.83 0.00	124.89 9.46 0.00	109.23 8.46 0.00	88.38 6.85 0.00	70.25 4.90 0.00	55.68 3.88 0.00	47.01 3.84 0.00	40.54 2.62 0.00
DARBY___SOLAR 323810	37.32 1.91 0.00	34.31 1.79 0.00	31.96 1.69 0.00	30.86 1.58 0.00	31.29 1.60 0.00	32.48 1.66 0.00	35.28 1.84 0.00	38.24 1.92 0.00	39.92 2.12 0.00	40.92 2.57 0.00	44.32 2.94 0.00	52.01 3.67 0.00	53.77 3.75 0.00	61.38 4.39 0.00	71.24 4.47 0.00	76.58 4.94 0.00	106.32 7.14 0.00	123.50 8.08 0.00	108.22 7.46 0.00	87.48 5.95 0.00	69.92 4.57 0.00	55.68 3.89 0.00	46.44 3.28 0.00	40.46 2.54 0.00



DASHVILLE___HYD 23610	36.40 0.99 0.00	33.53 1.01 0.00	31.26 1.00 0.00	30.21 0.94 0.00	30.58 0.89 0.00	31.52 0.71 0.00	34.18 0.74 0.00	38.32 2.00 0.00	39.62 1.81 0.00	40.65 2.30 0.00	44.44 3.06 0.00	51.92 3.58 0.00	53.72 3.70 0.00	61.20 4.22 0.00	71.71 4.94 0.00	77.66 6.02 0.00	108.70 9.52 0.00	125.35 9.93 0.00	109.73 8.97 0.00	88.62 7.09 0.00	69.93 4.57 0.00	55.26 3.47 0.00	46.83 3.67 0.00	40.27 2.35 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	41.12 4.46 -1.25	36.67 4.13 -0.02	34.90 3.93 -0.70	33.43 3.69 -0.46	34.16 3.68 -0.79	34.51 3.70 0.00	38.31 4.21 -0.65	40.82 4.50 0.00	44.00 4.27 -1.93	46.10 5.14 -2.61	54.30 6.04 -6.88	54.96 6.62 0.00	104.12 7.50 -46.59	172.26 8.55 -106.73	347.53 10.28 -270.48	316.85 11.10 -234.11	311.30 14.98 -197.14	302.48 16.39 -170.66	302.77 14.51 -187.50	253.49 12.72 -159.24	397.56 9.08 -323.13	186.37 7.04 -127.54	114.59 6.43 -64.99	46.59 4.78 -3.88
DELAWARE___LFGE 323621	36.65 1.24 0.00	33.66 1.14 0.00	31.29 1.03 0.00	30.27 1.00 0.00	30.73 1.04 0.00	31.86 1.05 0.00	34.41 0.97 0.00	37.48 1.16 0.00	39.01 1.21 0.00	39.84 1.50 0.00	43.33 1.94 0.00	50.61 2.27 0.00	52.32 2.30 0.00	59.50 2.51 0.00	69.71 2.94 0.00	74.79 3.15 0.00	103.64 4.46 0.00	120.39 4.96 0.00	105.30 4.53 0.00	85.52 3.99 0.00	68.36 3.01 0.00	54.17 2.38 0.00	45.15 1.99 0.00	39.40 1.48 0.00
DERFIELD_115KV_TB7 355931	35.55 0.14 0.00	32.65 0.13 0.00	30.35 0.09 0.00	29.40 0.12 0.00	29.81 0.12 0.00	30.94 0.12 0.00	33.57 0.13 0.00	36.47 0.15 0.00	37.95 0.15 0.00	38.58 0.23 0.00	41.71 0.33 0.00	48.73 0.39 0.00	50.37 0.35 0.00	57.39 0.40 0.00	67.24 0.47 0.00	72.14 0.50 0.00	99.87 0.69 0.00	116.12 0.69 0.00	101.47 0.71 0.00	82.18 0.65 0.00	65.81 0.46 0.00	52.21 0.41 0.00	43.51 0.35 0.00	38.15 0.23 0.00
DOGLEVILLE___HYD 23807	35.16 -0.25 0.00	32.30 -0.23 0.00	30.02 -0.24 0.00	29.04 -0.24 0.00	29.45 -0.24 0.00	30.56 -0.25 0.00	33.21 -0.23 0.00	36.07 -0.25 0.00	37.58 -0.23 0.00	38.27 -0.08 0.00	41.38 0.00 0.00	48.34 0.00 0.00	49.87 -0.15 0.00	56.50 -0.17 0.31	65.93 -0.33 0.51	70.75 -0.29 0.61	97.74 -0.30 1.14	114.96 -0.46 0.00	100.26 -0.50 0.00	80.57 -0.16 0.79	64.71 -0.13 0.51	51.79 0.00 0.00	43.17 0.00 0.00	37.85 -0.08 0.00
DUNKIRK___115KV_TB_200 55889	35.58 0.18 0.00	32.78 0.26 0.00	30.26 0.00 0.00	29.13 -0.15 0.00	29.72 0.03 0.00	31.00 0.18 0.00	34.01 0.57 0.00	36.83 0.51 0.00	38.94 1.13 0.00	39.19 0.84 0.00	43.04 1.66 0.00	50.32 1.98 0.00	51.97 1.95 0.00	59.78 2.79 0.00	70.38 3.61 0.00	74.08 2.44 0.00	102.75 3.57 0.00	118.42 3.00 0.00	103.89 3.12 0.00	83.73 2.20 0.00	68.16 2.81 0.00	54.12 2.33 0.00	43.25 0.09 0.00	38.76 0.83 0.00
DUNKIRK___1 23563	35.58 0.18 0.00	32.78 0.26 0.00	30.26 0.00 0.00	29.13 -0.15 0.00	29.72 0.03 0.00	31.00 0.18 0.00	34.01 0.57 0.00	36.83 0.51 0.00	38.94 1.13 0.00	39.19 0.84 0.00	43.04 1.66 0.00	50.32 1.98 0.00	51.97 1.95 0.00	59.78 2.79 0.00	70.38 3.61 0.00	74.08 2.44 0.00	102.75 3.57 0.00	118.42 3.00 0.00	103.89 3.12 0.00	83.73 2.20 0.00	68.16 2.81 0.00	54.12 2.33 0.00	43.25 0.09 0.00	38.76 0.83 0.00
DUNKIRK___2 23564	35.58 0.18 0.00	32.78 0.26 0.00	30.26 0.00 0.00	29.13 -0.15 0.00	29.72 0.03 0.00	31.00 0.18 0.00	34.01 0.57 0.00	36.83 0.51 0.00	38.94 1.13 0.00	39.19 0.84 0.00	43.04 1.66 0.00	50.32 1.98 0.00	51.97 1.95 0.00	59.78 2.79 0.00	70.38 3.61 0.00	74.08 2.44 0.00	102.75 3.57 0.00	118.42 3.00 0.00	103.89 3.12 0.00	83.73 2.20 0.00	68.16 2.81 0.00	54.12 2.33 0.00	43.25 0.09 0.00	38.76 0.83 0.00
DUNKIRK___3 23565	35.30 -0.11 0.00	32.52 0.00 0.00	30.05 -0.21 0.00	28.93 -0.35 0.00	29.51 -0.18 0.00	30.78 -0.03 0.00	33.74 0.30 0.00	36.54 0.22 0.00	38.60 0.79 0.00	38.85 0.50 0.00	42.58 1.20 0.00	49.84 1.50 0.00	51.47 1.45 0.00	59.15 2.17 0.00	69.71 2.94 0.00	73.36 1.72 0.00	101.66 2.48 0.00	117.27 1.85 0.00	102.88 2.12 0.00	82.91 1.39 0.00	67.57 2.22 0.00	53.66 1.86 0.00	42.95 -0.22 0.00	38.49 0.57 0.00
DUNKIRK___4 23566	35.30 -0.11 0.00	32.52 0.00 0.00	30.05 -0.21 0.00	28.93 -0.35 0.00	29.51 -0.18 0.00	30.78 -0.03 0.00	33.74 0.30 0.00	36.54 0.22 0.00	38.60 0.79 0.00	38.85 0.50 0.00	42.58 1.20 0.00	49.84 1.50 0.00	51.47 1.45 0.00	59.15 2.17 0.00	69.71 2.94 0.00	73.36 1.72 0.00	101.66 2.48 0.00	117.27 1.85 0.00	102.88 2.12 0.00	82.91 1.39 0.00	67.57 2.22 0.00	53.66 1.86 0.00	42.95 -0.22 0.00	38.49 0.57 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	37.07 1.66 0.00	34.08 1.56 0.00	31.81 1.54 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.17 1.36 0.00	34.98 1.54 0.00	38.28 1.96 0.00	39.88 2.08 0.00	40.92 2.57 0.00	44.61 3.23 0.00	51.92 3.58 0.00	53.42 3.40 0.00	60.75 3.76 0.00	71.38 4.61 0.00	76.87 5.23 0.00	107.11 7.93 0.00	123.62 8.20 0.00	108.12 7.36 0.00	87.48 5.95 0.00	69.08 3.73 0.00	54.59 2.80 0.00	46.49 3.32 0.00	40.08 2.16 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	36.61 1.20 0.00	33.69 1.17 0.00	31.41 1.15 0.00	30.36 1.08 0.00	30.73 1.04 0.00	31.77 0.96 0.00	34.48 1.04 0.00	37.85 1.53 0.00	39.31 1.51 0.00	40.26 1.92 0.00	43.86 2.48 0.00	51.19 2.85 0.00	52.82 2.80 0.00	60.06 3.08 0.00	70.51 3.74 0.00	76.01 4.37 0.00	105.92 6.74 0.00	122.35 6.93 0.00	107.01 6.25 0.00	86.58 5.05 0.00	68.55 3.20 0.00	54.28 2.49 0.00	45.97 2.81 0.00	39.71 1.78 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	37.25 1.84 0.00	34.12 1.59 0.00	31.93 1.66 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.01 1.20 0.00	34.88 1.44 0.00	38.21 1.89 0.00	39.81 2.00 0.00	40.84 2.49 0.00	44.53 3.14 0.00	51.62 3.29 0.01	53.16 3.15 0.01	60.40 3.42 0.01	71.10 4.34 0.01	76.58 4.94 0.01	106.82 7.64 -0.01	137.69 7.85 -14.42	107.72 6.95 -0.01	87.06 5.54 0.01	68.61 3.27 0.01	54.27 2.49 0.01	46.53 3.37 0.00	40.08 2.16 0.00
E179THST_13_KV_LOAD 356214	37.46 2.05 0.00	34.28 1.76 0.00	32.08 1.82 0.00	30.89 1.61 0.00	31.24 1.54 0.00	32.20 1.39 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.11 2.76 0.00	44.86 3.48 0.00	52.01 3.67 0.01	53.51 3.50 0.01	60.85 3.88 0.01	71.64 4.87 0.01	77.15 5.52 0.01	107.71 8.53 -0.01	138.61 8.77 -14.42	108.63 7.86 -0.01	87.72 6.20 0.01	69.13 3.79 0.01	54.63 2.85 0.01	46.83 3.67 0.00	40.35 2.43 0.00
EAST HAMPTON___GT 23717	41.62 4.96 -1.25	37.25 4.71 -0.02	35.45 4.48 -0.70	33.95 4.22 -0.46	34.69 4.21 -0.79	35.10 4.28 -0.01	38.94 4.85 -0.65	41.59 5.26 0.00	45.85 6.12 -1.93	50.85 6.83 -5.68	54.96 6.70 -6.88	55.98 7.64 0.00	105.33 8.70 -46.61	173.71 9.97 -106.75	349.79 11.88 -271.13	318.61 12.82 -234.15	313.31 16.96 -197.18	304.82 18.70 -170.70	304.62 16.32 -187.54	329.84 14.67 -233.64	399.60 10.45 -323.79	188.24 8.28 -128.16	115.46 7.30 -65.00	47.53 5.73 -3.88



EAST RIVER___6 23660	37.21 1.80 0.00	34.41 1.89 0.00	32.08 1.82 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.38 1.57 0.00	35.21 1.77 0.00	38.57 2.25 0.00	40.49 2.68 0.00	41.60 3.26 0.00	44.98 3.60 0.00	52.35 4.01 0.00	53.77 3.75 0.00	61.09 4.11 0.00	71.98 5.21 0.00	77.30 5.66 0.00	108.11 8.93 0.00	124.66 9.24 0.00	108.83 8.06 0.00	87.97 6.44 0.00	69.07 3.72 0.00	54.74 2.95 0.00	46.83 3.67 0.00	40.43 2.50 0.00
EAST RIVER___7 23524	37.21 1.80 0.00	34.41 1.89 0.00	32.08 1.82 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.38 1.57 0.00	35.21 1.77 0.00	38.57 2.25 0.00	40.49 2.68 0.00	41.60 3.26 0.00	44.98 3.60 0.00	52.35 4.01 0.00	53.77 3.75 0.00	61.09 4.11 0.00	71.98 5.21 0.00	77.30 5.66 0.00	108.11 8.93 0.00	124.66 9.24 0.00	108.83 8.06 0.00	87.97 6.44 0.00	69.07 3.72 0.00	54.74 2.95 0.00	46.83 3.67 0.00	40.43 2.50 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	36.96 1.56 0.00	34.02 1.50 0.00	31.75 1.48 0.00	30.62 1.35 0.00	31.00 1.31 0.00	32.11 1.29 0.00	34.88 1.44 0.00	38.17 1.85 0.00	39.77 1.97 0.00	40.80 2.45 0.00	44.49 3.10 0.00	51.77 3.43 0.00	53.32 3.30 0.00	60.58 3.59 0.00	71.18 4.41 0.00	76.73 5.09 0.00	106.81 7.64 0.00	123.39 7.96 0.00	107.82 7.05 0.00	87.23 5.71 0.00	68.95 3.59 0.00	54.48 2.69 0.00	46.36 3.19 0.00	39.97 2.05 0.00
EAST_HAMPTON___DIESEL 23722	41.65 4.99 -1.25	37.25 4.71 -0.02	35.45 4.48 -0.70	33.95 4.22 -0.46	34.69 4.21 -0.79	35.10 4.28 -0.01	38.94 4.85 -0.65	41.59 5.26 0.00	45.85 6.12 -1.93	50.85 6.83 -5.68	54.96 6.70 -6.88	56.03 7.69 0.00	105.33 8.70 -46.61	173.77 10.03 -106.75	349.76 11.88 -271.10	318.61 12.82 -234.15	313.42 17.06 -197.18	304.94 18.82 -170.70	304.73 16.43 -187.54	329.81 14.67 -233.61	399.57 10.45 -323.76	188.27 8.34 -128.13	115.50 7.34 -65.00	47.57 5.76 -3.88
EAST_PULASKI___ESR 323781	35.58 0.18 0.00	32.65 0.13 0.00	30.23 -0.03 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.90 0.09 0.00	33.61 0.17 0.00	36.39 0.07 0.00	37.92 0.11 0.00	38.58 0.23 0.00	41.80 0.41 0.00	48.92 0.58 0.00	50.62 0.60 0.00	57.84 0.85 0.00	67.71 0.93 0.00	72.43 0.79 0.00	100.27 1.09 0.00	116.69 1.27 0.00	102.07 1.31 0.00	82.75 1.22 0.00	66.40 1.05 0.00	52.67 0.88 0.00	43.51 0.35 0.00	38.19 0.27 0.00
EAST_RIVER___1 323558	37.07 1.66 0.00	34.31 1.79 0.00	31.99 1.72 0.00	30.86 1.58 0.00	31.23 1.54 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.50 2.18 0.00	40.37 2.57 0.00	41.45 3.10 0.00	44.78 3.39 0.00	52.12 3.77 0.00	53.52 3.50 0.00	60.81 3.82 0.00	71.58 4.81 0.00	76.94 5.30 0.00	107.51 8.33 0.00	124.08 8.66 0.00	108.32 7.56 0.00	87.65 6.12 0.00	68.88 3.53 0.00	54.59 2.79 0.00	46.66 3.49 0.00	40.28 2.35 0.00
EAST_RIVER___2 323559	37.21 1.80 0.00	34.41 1.89 0.00	32.08 1.82 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.38 1.57 0.00	35.21 1.77 0.00	38.57 2.25 0.00	40.49 2.68 0.00	41.60 3.26 0.00	44.98 3.60 0.00	52.35 4.01 0.00	53.77 3.75 0.00	61.09 4.11 0.00	71.98 5.21 0.00	77.30 5.66 0.00	108.11 8.93 0.00	124.66 9.24 0.00	108.83 8.06 0.00	87.97 6.44 0.00	69.07 3.72 0.00	54.74 2.95 0.00	46.83 3.67 0.00	40.43 2.50 0.00
EAST___DELAWARE_HYD 23607	36.51 1.10 0.00	33.69 1.17 0.00	31.32 1.06 0.00	30.30 1.02 0.00	30.70 1.01 0.00	31.71 0.89 0.00	34.41 0.97 0.00	37.92 1.60 0.00	39.62 1.81 0.00	40.53 2.18 0.00	43.74 2.36 0.00	51.05 2.71 0.00	51.67 1.65 0.00	58.93 1.94 0.00	69.24 2.47 0.00	74.94 3.30 0.00	104.93 5.75 0.00	120.85 5.43 0.00	105.70 4.94 0.00	85.44 3.91 0.00	68.88 3.53 0.00	54.74 2.95 0.00	46.14 2.98 0.00	39.86 1.93 0.00
EIGHT_POINT___WT_PWR 323820	37.11 1.70 0.00	33.33 0.81 0.00	30.72 0.45 0.00	29.63 0.35 0.00	30.11 0.42 0.00	31.46 0.65 0.00	34.54 1.10 0.00	37.41 1.09 0.00	39.32 1.51 0.00	39.92 1.57 0.00	43.49 2.11 0.00	50.95 2.61 0.00	52.72 2.70 0.00	60.23 3.25 0.00	70.98 4.21 0.00	75.51 3.87 0.00	103.94 4.76 0.00	120.27 4.85 0.00	105.80 5.04 0.00	85.44 3.91 0.00	69.80 4.45 0.00	55.26 3.47 0.00	45.02 1.85 0.00	39.74 1.82 0.00
ELBRIDGE_115KV_TB2 80188	35.69 0.28 0.00	32.78 0.26 0.00	30.38 0.12 0.00	29.40 0.12 0.00	29.81 0.12 0.00	31.00 0.18 0.00	33.74 0.30 0.00	36.54 0.22 0.00	37.92 0.11 0.00	38.54 0.19 0.00	41.75 0.37 0.00	48.87 0.53 0.00	50.57 0.55 0.00	57.73 0.74 0.00	67.64 0.87 0.00	72.43 0.79 0.00	100.86 1.69 0.00	117.04 1.62 0.00	102.38 1.61 0.00	82.91 1.39 0.00	66.79 1.44 0.00	52.93 1.14 0.00	43.64 0.47 0.00	38.30 0.38 0.00
ELEC_TRO_TEK 24086	38.81 2.16 -1.24	34.59 2.05 -0.02	32.96 2.00 -0.70	31.58 1.84 -0.46	32.29 1.81 -0.79	32.69 1.88 0.00	36.10 2.01 -0.65	38.61 2.29 0.00	39.84 2.04 0.00	41.07 2.72 0.00	44.69 3.31 0.00	51.92 3.58 0.00	53.97 3.95 0.00	65.83 4.22 -4.63	79.73 5.14 -7.81	100.79 5.80 -23.34	127.44 8.73 -19.53	132.37 9.23 -7.71	114.83 8.16 -5.90	88.15 6.60 -0.02	69.47 4.12 0.00	55.11 3.31 0.00	46.79 3.63 0.00	40.27 2.35 0.00
ELLENBURG_WT_PWR 323604	34.88 -0.53 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.07 -0.20 0.00	29.48 -0.21 0.00	30.69 -0.12 0.00	33.11 -0.33 0.00	35.92 -0.40 0.00	37.20 -0.61 0.00	37.39 -0.96 0.00	40.06 -1.33 0.00	46.79 -1.55 0.00	48.47 -1.55 0.00	55.22 -1.77 0.00	64.70 -2.07 0.00	69.49 -2.15 0.00	95.51 -3.67 0.00	112.42 -3.00 0.00	97.54 -3.23 0.00	78.51 -3.01 0.00	63.39 -1.96 0.00	49.98 -1.81 0.00	41.44 -1.73 0.00	36.90 -1.02 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	34.73 -0.67 0.00	32.00 -0.52 0.00	29.60 -0.67 0.00	28.52 -0.76 0.00	29.07 -0.62 0.00	30.32 -0.49 0.00	33.21 -0.23 0.00	35.88 -0.44 0.00	37.88 0.08 0.00	38.08 -0.27 0.00	41.67 0.29 0.00	48.78 0.44 0.00	50.37 0.35 0.00	57.90 0.91 0.00	68.11 1.34 0.00	71.64 0.00 0.00	99.38 0.20 0.00	114.50 -0.92 0.00	100.46 -0.30 0.00	81.04 -0.49 0.00	66.20 0.85 0.00	52.67 0.88 0.00	42.13 -1.04 0.00	37.89 -0.04 0.00
EMPIRE_CC_1 323656	35.90 0.50 0.00	33.14 0.62 0.00	30.93 0.66 0.00	29.89 0.62 0.00	30.28 0.59 0.00	31.40 0.58 0.00	34.04 0.60 0.00	36.98 0.65 0.00	38.60 0.80 0.00	39.54 1.19 0.00	42.75 1.36 0.00	49.84 1.50 0.00	51.47 1.45 0.00	58.47 1.48 0.00	68.44 1.67 0.00	73.79 2.15 0.00	102.26 3.08 0.00	118.54 3.12 0.00	103.78 3.02 0.00	84.14 2.61 0.00	66.99 1.63 0.00	53.19 1.40 0.00	44.80 1.64 0.00	38.95 1.02 0.00
EMPIRE_CC_2 323658	35.90 0.50 0.00	33.14 0.62 0.00	30.93 0.66 0.00	29.89 0.62 0.00	30.28 0.59 0.00	31.40 0.58 0.00	34.04 0.60 0.00	36.98 0.65 0.00	38.60 0.80 0.00	39.54 1.19 0.00	42.75 1.36 0.00	49.84 1.50 0.00	51.47 1.45 0.00	58.47 1.48 0.00	68.44 1.67 0.00	73.79 2.15 0.00	102.26 3.08 0.00	118.54 3.12 0.00	103.78 3.02 0.00	84.14 2.61 0.00	66.99 1.63 0.00	53.19 1.40 0.00	44.80 1.64 0.00	38.95 1.02 0.00



ENORWICH_115KV_TB1 80156	38.73 3.33 0.00	35.45 2.93 0.00	32.53 2.27 0.00	31.44 2.17 0.00	32.01 2.32 0.00	33.34 2.53 0.00	36.35 2.91 0.00	39.55 3.23 0.00	40.98 3.18 0.00	41.76 3.41 0.00	45.44 4.06 0.00	53.18 4.83 0.00	55.07 5.05 0.00	63.09 6.10 0.00	74.05 7.28 0.00	79.66 8.02 0.00	110.58 11.41 0.00	129.62 14.20 0.00	113.86 13.10 0.00	92.94 11.41 0.00	74.24 8.89 0.00	58.89 7.10 0.00	47.83 4.66 0.00	41.94 4.02 0.00
ERIE_ST__34_KV_TB1-2 80199	35.30 -0.11 0.00	32.49 -0.03 0.00	30.02 -0.24 0.00	28.90 -0.38 0.00	29.51 -0.18 0.00	30.78 -0.03 0.00	33.78 0.33 0.00	36.47 0.15 0.00	38.56 0.76 0.00	38.77 0.42 0.00	42.54 1.16 0.00	49.79 1.45 0.00	51.42 1.40 0.00	59.15 2.17 0.00	69.64 2.87 0.00	73.36 1.72 0.00	101.66 2.48 0.00	117.27 1.85 0.00	102.88 2.12 0.00	82.91 1.39 0.00	67.57 2.22 0.00	53.66 1.86 0.00	42.86 -0.30 0.00	38.57 0.64 0.00
ERIE_WT_PWR 323693	36.40 0.99 0.00	32.39 -0.13 0.00	29.87 -0.39 0.00	28.78 -0.50 0.00	29.28 -0.42 0.00	30.53 -0.28 0.00	33.51 0.07 0.00	36.18 -0.14 0.00	38.22 0.42 0.00	38.46 0.12 0.00	42.08 0.70 0.00	49.26 0.92 0.00	50.82 0.80 0.00	58.47 1.48 0.00	68.77 2.00 0.00	72.93 1.29 0.00	100.27 1.09 0.00	115.66 0.23 0.00	101.77 1.01 0.00	82.02 0.49 0.00	67.31 1.96 0.00	53.14 1.34 0.00	43.21 0.04 0.00	38.49 0.57 0.00
ESPRGFLD_115KV_TB1 80157	38.24 2.83 0.00	35.03 2.50 0.00	32.47 2.21 0.00	31.39 2.11 0.00	31.89 2.20 0.00	33.15 2.34 0.00	34.91 1.47 0.00	38.06 1.74 0.00	39.62 1.81 0.00	40.57 2.22 0.00	44.20 2.81 0.00	51.63 3.29 0.00	53.37 3.35 0.00	60.69 3.70 0.00	71.04 4.27 0.00	76.30 4.66 0.00	105.72 6.55 0.00	122.81 7.39 0.00	107.51 6.75 0.00	87.40 5.87 0.00	69.73 4.38 0.00	55.21 3.42 0.00	45.84 2.68 0.00	40.01 2.09 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	36.54 1.13 0.00	33.53 1.01 0.00	31.02 0.76 0.00	29.98 0.70 0.00	30.43 0.74 0.00	31.68 0.86 0.00	34.51 1.07 0.00	37.48 1.16 0.00	39.09 1.29 0.00	39.77 1.42 0.00	43.16 1.78 0.00	50.47 2.13 0.00	52.27 2.25 0.00	59.67 2.68 0.00	70.11 3.34 0.00	75.22 3.58 0.00	103.94 4.76 0.00	120.85 5.42 0.00	106.00 5.24 0.00	85.85 4.32 0.00	69.08 3.73 0.00	54.74 2.95 0.00	44.93 1.77 0.00	39.44 1.52 0.00
ETNA____115KV_TB2 80207	36.54 1.13 0.00	33.53 1.01 0.00	31.02 0.76 0.00	29.98 0.70 0.00	30.43 0.74 0.00	31.68 0.86 0.00	34.51 1.07 0.00	37.48 1.16 0.00	39.09 1.29 0.00	39.77 1.42 0.00	43.16 1.78 0.00	50.47 2.13 0.00	52.27 2.25 0.00	59.67 2.68 0.00	70.11 3.34 0.00	75.22 3.58 0.00	103.94 4.76 0.00	120.85 5.42 0.00	106.00 5.24 0.00	85.85 4.32 0.00	69.08 3.73 0.00	54.74 2.95 0.00	44.93 1.77 0.00	39.44 1.52 0.00
EUCLID__115KV_TB2 356179	35.34 -0.07 0.00	32.46 -0.07 0.00	30.11 -0.15 0.00	29.10 -0.18 0.00	29.54 -0.15 0.00	30.72 -0.09 0.00	33.41 -0.03 0.00	36.18 -0.15 0.00	37.73 -0.08 0.00	38.35 0.00 0.00	41.59 0.21 0.00	48.68 0.34 0.00	50.37 0.35 0.00	57.50 0.51 0.00	67.37 0.60 0.00	72.00 0.36 0.00	99.77 0.60 0.00	115.77 0.35 0.00	101.27 0.50 0.00	82.02 0.49 0.00	65.94 0.59 0.00	52.26 0.47 0.00	43.17 0.00 0.00	37.89 -0.04 0.00
E_CANADA_CAP_HY 24051	39.02 3.61 0.00	35.68 3.15 0.00	33.11 2.84 0.00	31.97 2.69 0.00	32.48 2.79 0.00	33.77 2.96 0.00	37.49 4.04 0.00	40.60 4.28 0.00	42.26 4.46 0.00	43.02 4.68 0.00	46.43 5.05 0.00	54.62 6.28 0.00	56.07 6.05 0.00	64.45 7.46 0.00	75.72 8.95 0.00	81.60 9.95 0.00	113.76 14.58 0.00	132.50 17.08 0.00	115.98 15.22 0.00	93.43 11.90 0.00	75.48 10.13 0.00	59.82 8.03 0.00	49.38 6.22 0.00	42.97 5.04 0.00
E_CANADA_MHWK_HY 24050	35.16 -0.25 0.00	32.30 -0.23 0.00	30.02 -0.24 0.00	29.04 -0.24 0.00	29.45 -0.24 0.00	30.56 -0.25 0.00	33.21 -0.23 0.00	36.07 -0.25 0.00	37.58 -0.23 0.00	38.27 -0.08 0.00	41.38 0.00 0.00	48.34 0.00 0.00	49.87 -0.15 0.00	56.50 -0.17 0.31	65.93 -0.33 0.51	70.75 -0.29 0.61	97.74 -0.30 1.14	114.96 -0.46 0.00	100.26 -0.50 0.00	80.57 -0.16 0.79	64.71 -0.13 0.51	51.79 0.00 0.00	43.17 0.00 0.00	37.85 -0.08 0.00
E_FISHKILL__LBMP 23776	36.68 1.27 0.00	33.76 1.24 0.00	31.50 1.24 0.00	30.45 1.17 0.00	30.79 1.10 0.00	31.89 1.08 0.00	34.61 1.17 0.00	37.85 1.53 0.00	39.35 1.55 0.00	40.34 1.99 0.00	43.95 2.57 0.00	51.19 2.85 0.00	52.72 2.70 0.00	59.95 2.96 0.00	70.38 3.61 0.00	75.87 4.23 0.00	105.43 6.25 0.00	121.89 6.46 0.00	106.61 5.84 0.00	86.26 4.73 0.00	68.36 3.01 0.00	54.07 2.28 0.00	45.93 2.76 0.00	39.67 1.74 0.00
FALCON__SEABRD_CC1 323796	34.91 -0.50 0.00	32.16 -0.36 0.00	30.20 -0.06 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.94 0.12 0.00	33.24 -0.20 0.00	35.99 -0.33 0.00	37.24 -0.57 0.00	37.47 -0.88 0.00	40.14 -1.24 0.00	46.89 -1.45 0.00	48.57 -1.45 0.00	55.33 -1.65 0.00	64.83 -1.94 0.00	69.71 -1.93 0.00	95.61 -3.57 0.00	112.54 -2.88 0.00	97.54 -3.23 0.00	78.60 -2.93 0.00	63.59 -1.76 0.00	50.08 -1.71 0.00	41.44 -1.73 0.00	36.90 -1.02 0.00
FALCON__SEABRD_CC2 323797	34.91 -0.50 0.00	32.16 -0.36 0.00	30.20 -0.06 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.94 0.12 0.00	33.24 -0.20 0.00	35.99 -0.33 0.00	37.24 -0.57 0.00	37.47 -0.88 0.00	40.14 -1.24 0.00	46.89 -1.45 0.00	48.57 -1.45 0.00	55.33 -1.65 0.00	64.83 -1.94 0.00	69.71 -1.93 0.00	95.61 -3.57 0.00	112.54 -2.88 0.00	97.54 -3.23 0.00	78.60 -2.93 0.00	63.59 -1.76 0.00	50.08 -1.71 0.00	41.44 -1.73 0.00	36.90 -1.02 0.00
FAR ROCKAWAY__4 23548	39.48 2.83 -1.24	35.20 2.67 -0.02	33.51 2.54 -0.70	32.14 2.40 -0.46	32.82 2.35 -0.79	33.22 2.40 0.00	36.67 2.57 -0.65	39.23 2.91 0.00	40.56 2.76 0.00	41.95 3.60 0.00	45.56 4.18 0.00	52.98 4.64 0.00	55.17 5.15 0.00	67.31 5.70 -4.63	81.46 6.88 -7.81	102.65 7.67 -23.34	129.92 11.21 -19.53	135.37 12.23 -7.71	117.44 10.78 -5.90	90.10 8.56 -0.02	70.91 5.55 0.00	56.25 4.45 0.00	47.74 4.58 0.00	41.03 3.11 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	37.18 1.77 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.11 2.76 0.00	44.82 3.43 0.00	52.16 3.82 0.00	53.52 3.50 0.00	60.81 3.82 0.00	71.58 4.81 0.00	77.09 5.44 0.00	107.51 8.33 0.00	124.08 8.66 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.01 3.66 0.00	54.54 2.74 0.00	46.66 3.50 0.00	40.16 2.24 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	37.21 1.81 0.00	34.21 1.69 0.00	31.93 1.66 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.26 1.45 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.11 2.76 0.00	44.82 3.43 0.00	52.16 3.82 0.00	53.52 3.50 0.00	60.81 3.82 0.00	71.58 4.81 0.00	77.09 5.44 0.00	107.51 8.33 0.00	124.08 8.66 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.08 3.73 0.00	54.54 2.74 0.00	46.70 3.54 0.00	40.20 2.28 0.00



FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	37.18 1.77 0.00	34.18 1.66 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.12 1.43 0.00	32.23 1.42 0.00	35.01 1.57 0.00	38.46 2.14 0.00	40.03 2.23 0.00	41.11 2.76 0.00	44.77 3.39 0.00	52.11 3.77 0.00	53.47 3.45 0.00	60.75 3.76 0.00	71.51 4.74 0.00	77.01 5.37 0.00	107.41 8.23 0.00	123.97 8.54 0.00	108.32 7.56 0.00	87.56 6.03 0.00	68.95 3.59 0.00	54.48 2.69 0.00	46.62 3.45 0.00	40.12 2.20 0.00
FARRAGUT___LBMP 323566	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.06 3.72 0.00	53.42 3.40 0.00	60.69 3.70 0.00	71.44 4.67 0.00	76.94 5.30 0.00	107.31 8.13 0.00	123.73 8.31 0.00	108.12 7.36 0.00	87.48 5.95 0.00	68.88 3.53 0.00	54.43 2.64 0.00	46.58 3.41 0.00	40.08 2.16 0.00
FENNER___WINDPWR 24204	36.43 1.03 0.00	33.33 0.81 0.00	30.84 0.57 0.00	29.83 0.55 0.00	30.28 0.59 0.00	31.49 0.68 0.00	34.24 0.80 0.00	37.19 0.87 0.00	38.82 1.02 0.00	39.54 1.19 0.00	42.83 1.45 0.00	50.13 1.79 0.00	51.87 1.85 0.00	58.82 2.28 0.45	68.71 2.67 0.73	73.63 2.87 0.87	101.41 3.86 1.63	119.70 4.27 0.00	104.69 3.93 0.00	83.73 3.34 1.14	67.36 2.74 0.73	53.92 2.12 0.00	44.55 1.38 0.00	39.10 1.18 0.00
FIBERTEK___ENERGY 23856	35.83 0.42 0.00	32.88 0.36 0.00	30.48 0.21 0.00	29.45 0.18 0.00	29.90 0.21 0.00	31.09 0.28 0.00	33.81 0.37 0.00	36.65 0.33 0.00	38.18 0.38 0.00	38.88 0.54 0.00	41.96 0.58 0.00	49.07 0.73 0.00	50.87 0.85 0.00	58.01 1.03 0.00	67.91 1.14 0.00	72.64 1.00 0.00	100.66 1.49 0.00	116.81 1.39 0.00	102.17 1.41 0.00	82.75 1.22 0.00	66.59 1.24 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00
FITZPATRICK____ 23598	34.94 -0.46 0.00	32.03 -0.49 0.00	29.75 -0.51 0.00	28.78 -0.50 0.00	29.19 -0.50 0.00	30.32 -0.49 0.00	32.94 -0.50 0.00	35.74 -0.58 0.00	37.24 -0.57 0.00	37.85 -0.50 0.00	40.93 -0.45 0.00	47.86 -0.48 0.00	49.52 -0.50 0.00	56.47 -0.51 0.00	66.23 -0.54 0.00	70.92 -0.72 0.00	98.19 -0.99 0.00	114.04 -1.38 0.00	99.76 -1.01 0.00	80.71 -0.82 0.00	64.96 -0.39 0.00	51.43 -0.36 0.00	42.65 -0.52 0.00	37.43 -0.49 0.00
FLOWRFLD_69_KV_BK1 356044	39.93 3.26 -1.26	35.59 3.06 -0.02	33.90 2.94 -0.70	32.46 2.72 -0.46	33.21 2.73 -0.79	33.59 2.77 0.00	37.20 3.11 -0.65	39.66 3.34 0.00	43.00 2.91 -2.29	45.22 3.57 -3.31	55.06 3.97 -9.71	52.64 4.30 0.00	120.72 4.95 -65.75	211.11 5.41 -148.70	378.39 6.74 -304.87	399.91 7.52 -320.75	380.25 10.91 -270.16	364.97 11.89 -237.66	373.40 10.48 -262.16	289.02 8.72 -198.77	453.42 5.69 -382.38	162.58 4.40 -106.39	139.28 4.40 -91.71	46.44 3.03 -5.49
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	37.25 1.84 0.00	34.31 1.79 0.00	31.93 1.66 0.00	30.86 1.58 0.00	31.24 1.54 0.00	32.23 1.42 0.00	35.01 1.57 0.00	38.46 2.14 0.00	39.88 2.08 0.00	40.92 2.57 0.00	44.65 3.27 0.00	52.16 3.82 0.00	54.02 4.00 0.00	61.43 4.45 0.00	71.91 5.14 0.00	77.66 6.02 0.00	108.30 9.12 0.00	125.12 9.70 0.00	109.43 8.67 0.00	88.54 7.01 0.00	70.25 4.90 0.00	55.68 3.88 0.00	47.05 3.88 0.00	40.54 2.62 0.00
FORT ORANGE____ 23900	36.18 0.78 0.00	33.33 0.81 0.00	31.08 0.82 0.00	30.04 0.76 0.00	30.46 0.77 0.00	31.52 0.71 0.00	34.21 0.77 0.00	37.16 0.84 0.00	38.52 0.72 0.00	39.42 1.07 0.00	42.58 1.20 0.00	49.50 1.16 0.00	51.12 1.10 0.00	58.19 1.20 0.00	68.11 1.33 0.00	73.29 1.65 0.00	101.55 2.38 0.00	117.96 2.54 0.00	103.08 2.32 0.00	83.57 2.04 0.00	66.59 1.24 0.00	53.03 1.24 0.00	44.63 1.47 0.00	38.83 0.91 0.00
FORT_DRUM_COGEN 23780	35.97 0.57 0.00	32.94 0.42 0.00	30.38 0.12 0.00	29.40 0.12 0.00	29.87 0.18 0.00	31.12 0.31 0.00	33.81 0.37 0.00	36.76 0.44 0.00	38.14 0.34 0.00	38.77 0.42 0.00	41.84 0.46 0.00	49.07 0.73 0.00	50.77 0.75 0.00	58.30 1.31 0.00	68.17 1.40 0.00	73.36 1.72 0.00	101.76 2.58 0.00	119.12 3.69 0.00	104.09 3.33 0.00	84.63 3.10 0.00	67.51 2.16 0.00	53.55 1.76 0.00	43.99 0.82 0.00	38.64 0.72 0.00
FPL_FAR_ROCK_GT1 24212	39.48 2.83 -1.24	35.30 2.76 -0.02	33.60 2.63 -0.70	32.20 2.46 -0.46	32.94 2.46 -0.79	33.32 2.49 -0.01	36.80 2.71 -0.65	39.41 3.09 0.00	41.51 3.71 0.00	42.68 4.33 0.00	45.39 4.01 0.00	52.94 4.59 0.00	55.18 5.15 -0.01	67.31 5.70 -4.63	81.53 6.94 -7.82	102.50 7.52 -23.34	129.91 11.20 -19.53	135.25 12.12 -7.71	117.34 10.68 -5.90	90.10 8.56 -0.02	70.77 5.42 0.00	56.30 4.50 0.00	47.70 4.53 0.00	41.38 3.45 0.00
FPL_FAR_ROCK_GT2 23815	39.48 2.83 -1.24	35.30 2.76 -0.02	33.60 2.63 -0.70	32.20 2.46 -0.46	32.94 2.46 -0.79	33.32 2.49 -0.01	36.80 2.71 -0.65	39.41 3.09 0.00	41.51 3.71 0.00	42.68 4.33 0.00	45.39 4.01 0.00	52.94 4.59 0.00	55.18 5.15 -0.01	67.31 5.70 -4.63	81.53 6.94 -7.82	102.50 7.52 -23.34	129.91 11.20 -19.53	135.25 12.12 -7.71	117.34 10.68 -5.90	90.10 8.56 -0.02	70.77 5.42 0.00	56.30 4.50 0.00	47.70 4.53 0.00	41.38 3.45 0.00
FRANKLIN_FALL_HYD 24054	34.98 -0.42 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.04 -0.23 0.00	29.48 -0.21 0.00	30.69 -0.12 0.00	33.17 -0.27 0.00	36.07 -0.25 0.00	37.50 -0.30 0.00	37.77 -0.58 0.00	40.10 -1.28 0.00	46.80 -1.55 0.00	48.47 -1.55 0.00	55.28 -1.71 0.00	64.83 -1.94 0.00	69.71 -1.93 0.00	95.41 -3.77 0.00	112.77 -2.65 0.00	97.64 -3.12 0.00	78.51 -3.02 0.00	63.65 -1.70 0.00	50.08 -1.71 0.00	41.83 -1.34 0.00	37.16 -0.76 0.00
FREEPORT_EQUS_GT1 23764	39.17 2.51 -1.24	35.04 2.50 -0.02	33.39 2.42 -0.70	31.99 2.25 -0.46	32.73 2.26 -0.79	33.13 2.31 -0.01	36.63 2.54 -0.65	39.19 2.87 0.00	41.24 3.44 0.00	42.26 3.91 0.00	44.86 3.48 0.00	52.01 3.67 0.00	54.23 4.20 -0.01	66.23 4.61 -4.63	80.33 5.74 -7.81	101.29 6.31 -23.34	128.53 9.82 -19.53	133.53 10.39 -7.71	115.83 9.17 -5.90	88.80 7.25 -0.01	69.80 4.45 0.00	55.62 3.83 0.00	47.05 3.89 0.00	40.88 2.96 0.00
FREEPORT___CT2 23818	39.17 2.51 -1.24	35.04 2.50 -0.02	33.39 2.42 -0.70	31.99 2.25 -0.46	32.73 2.26 -0.79	33.13 2.31 -0.01	36.63 2.54 -0.65	39.19 2.87 0.00	41.24 3.44 0.00	42.26 3.91 0.00	44.86 3.48 0.00	52.01 3.67 0.00	54.23 4.20 -0.01	66.23 4.61 -4.63	80.33 5.74 -7.81	101.29 6.31 -23.34	128.53 9.82 -19.53	133.53 10.39 -7.71	115.83 9.17 -5.90	88.80 7.25 -0.01	69.80 4.45 0.00	55.62 3.83 0.00	47.05 3.89 0.00	40.88 2.96 0.00
FRESHKLS_33_KV_LOAD 356253	35.79 1.73 1.35	34.21 1.69 0.00	31.99 1.73 0.00	30.80 1.52 0.00	31.15 1.45 0.00	32.14 1.32 0.00	34.84 1.40 0.01	35.61 2.07 2.78	35.35 2.23 4.68	35.52 2.65 5.48	36.41 3.35 8.33	38.47 3.43 13.31	38.27 3.00 14.75	38.80 3.25 21.43	40.77 4.21 30.21	40.99 4.87 35.52	66.82 7.64 39.99	41.76 7.73 81.40	55.85 6.95 51.87	40.87 5.63 46.28	38.94 3.27 29.68	38.55 2.33 15.57	38.15 3.45 8.46	35.94 2.16 4.14



FULTON COGEN____ 23766	35.44 0.04 0.00	32.55 0.03 0.00	30.17 -0.09 0.00	29.19 -0.09 0.00	29.63 -0.06 0.00	30.78 -0.03 0.00	33.51 0.07 0.00	36.28 -0.04 0.00	37.80 0.00 0.00	38.46 0.12 0.00	41.71 0.33 0.00	48.83 0.48 0.00	50.57 0.55 0.00	57.67 0.68 0.00	67.57 0.80 0.00	72.29 0.64 0.00	100.07 0.89 0.00	116.23 0.81 0.00	101.67 0.91 0.00	82.34 0.82 0.00	66.20 0.85 0.00	52.46 0.67 0.00	43.29 0.13 0.00	38.00 0.08 0.00
FULTON____LFGE 323630	39.65 4.25 0.00	36.23 3.71 0.00	33.62 3.36 0.00	32.41 3.13 0.00	32.93 3.24 0.00	34.26 3.45 0.00	37.82 4.38 0.00	40.82 4.50 0.00	42.41 4.61 0.00	42.99 4.64 0.00	46.22 4.84 0.00	54.48 6.14 0.00	56.12 6.10 0.00	64.91 7.92 0.00	76.45 9.68 0.00	82.38 10.74 0.00	115.24 16.06 0.00	134.46 19.04 0.00	117.80 17.03 0.00	94.82 13.29 0.00	76.40 11.05 0.00	60.55 8.76 0.00	49.81 6.64 0.00	43.31 5.38 0.00
G.F.CEMENT____DRP 24184	37.78 2.37 0.00	34.64 2.11 0.00	32.20 1.94 0.00	31.06 1.79 0.00	31.50 1.81 0.00	32.75 1.94 0.00	35.61 2.17 0.00	38.65 2.32 0.00	40.26 2.46 0.00	41.30 2.95 0.00	44.98 3.60 0.00	52.93 4.59 0.00	54.77 4.75 0.00	62.63 5.64 0.00	72.11 5.34 0.00	77.59 5.95 0.00	107.61 8.43 0.00	125.23 9.81 0.00	109.63 8.87 0.00	88.46 6.93 0.00	70.84 5.49 0.00	56.56 4.76 0.00	47.01 3.84 0.00	40.92 3.00 0.00
GARDENVILLE____LBMP 24039	34.91 -0.50 0.00	32.16 -0.36 0.00	29.72 -0.54 0.00	28.63 -0.64 0.00	29.22 -0.48 0.00	30.44 -0.37 0.00	33.34 -0.10 0.00	36.07 -0.25 0.00	38.07 0.26 0.00	38.27 -0.08 0.00	41.92 0.54 0.00	49.07 0.73 0.00	50.62 0.60 0.00	58.24 1.25 0.00	68.51 1.74 0.00	72.07 0.43 0.00	99.97 0.79 0.00	115.31 -0.12 0.00	101.07 0.30 0.00	81.61 0.08 0.00	66.59 1.24 0.00	52.93 1.14 0.00	42.34 -0.82 0.00	38.07 0.15 0.00
GARDNVLA_35_KV_LD 355827	35.05 -0.35 0.00	32.29 -0.23 0.00	29.84 -0.42 0.00	28.75 -0.53 0.00	29.34 -0.36 0.00	30.57 -0.25 0.00	33.51 0.07 0.00	36.21 -0.11 0.00	38.26 0.45 0.00	38.42 0.08 0.00	42.13 0.74 0.00	49.26 0.92 0.00	50.87 0.85 0.00	58.53 1.54 0.00	68.84 2.07 0.00	72.36 0.72 0.00	100.37 1.19 0.00	115.77 0.35 0.00	101.57 0.81 0.00	81.94 0.41 0.00	66.85 1.50 0.00	53.19 1.40 0.00	42.52 -0.65 0.00	38.23 0.30 0.00
GELCKHM__115KV_LOAD 80723	35.55 0.14 0.00	32.62 0.10 0.00	30.23 -0.03 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.87 0.06 0.00	33.57 0.13 0.00	36.36 0.04 0.00	37.92 0.11 0.00	38.58 0.23 0.00	41.75 0.37 0.00	48.83 0.48 0.00	50.57 0.55 0.00	57.73 0.74 0.00	67.57 0.80 0.00	72.21 0.57 0.00	100.07 0.89 0.00	116.23 0.81 0.00	101.67 0.91 0.00	82.26 0.73 0.00	66.20 0.85 0.00	52.52 0.73 0.00	43.29 0.13 0.00	38.04 0.11 0.00
GENERAL____MILLS 23808	34.98 -0.42 0.00	32.23 -0.29 0.00	29.81 -0.45 0.00	28.69 -0.59 0.00	29.28 -0.42 0.00	30.54 -0.28 0.00	33.44 0.00 0.00	36.14 -0.18 0.00	38.18 0.38 0.00	38.39 0.04 0.00	42.04 0.66 0.00	49.21 0.87 0.00	50.77 0.75 0.00	58.41 1.42 0.00	68.71 1.94 0.00	72.29 0.64 0.00	100.27 1.09 0.00	115.65 0.23 0.00	101.37 0.60 0.00	81.77 0.24 0.00	66.79 1.44 0.00	53.09 1.29 0.00	42.43 -0.73 0.00	38.19 0.27 0.00
GE_PLASTICS____DRP 24183	36.11 0.71 0.00	33.17 0.65 0.00	30.96 0.70 0.00	29.95 0.67 0.00	30.31 0.62 0.00	31.40 0.59 0.00	34.04 0.60 0.00	37.05 0.73 0.00	38.48 0.68 0.00	39.38 1.04 0.00	42.66 1.28 0.00	49.41 1.06 0.00	51.02 1.00 0.00	58.01 1.03 0.00	67.91 1.14 0.00	73.14 1.50 0.00	100.96 1.79 0.00	117.16 1.73 0.00	102.48 1.71 0.00	83.16 1.63 0.00	66.46 1.11 0.00	53.24 1.45 0.00	44.72 1.55 0.00	38.87 0.95 0.00
GILBOA____1 23756	36.08 0.67 0.00	33.27 0.75 0.00	31.11 0.85 0.00	30.19 0.91 0.00	30.58 0.89 0.00	31.58 0.77 0.00	34.14 0.70 0.00	37.12 0.80 0.00	38.78 0.98 0.00	39.65 1.30 0.00	42.87 1.49 0.00	49.99 1.64 0.00	51.62 1.60 0.00	58.47 1.48 0.00	68.44 1.67 0.00	73.29 1.65 0.00	101.75 2.57 0.00	117.85 2.43 0.00	103.08 2.32 0.00	83.81 2.28 0.00	67.18 1.83 0.00	53.29 1.50 0.00	44.80 1.64 0.00	39.02 1.10 0.00
GILBOA____2 23757	36.08 0.67 0.00	33.27 0.75 0.00	31.11 0.85 0.00	30.19 0.91 0.00	30.58 0.89 0.00	31.58 0.77 0.00	34.14 0.70 0.00	37.12 0.80 0.00	38.78 0.98 0.00	39.65 1.30 0.00	42.87 1.49 0.00	49.99 1.64 0.00	51.62 1.60 0.00	58.47 1.48 0.00	68.44 1.67 0.00	73.29 1.65 0.00	101.75 2.57 0.00	117.85 2.43 0.00	103.08 2.32 0.00	83.81 2.28 0.00	67.18 1.83 0.00	53.29 1.50 0.00	44.80 1.64 0.00	39.02 1.10 0.00
GILBOA____3 23758	36.08 0.67 0.00	33.27 0.75 0.00	31.11 0.85 0.00	30.19 0.91 0.00	30.58 0.89 0.00	31.58 0.77 0.00	34.14 0.70 0.00	37.12 0.80 0.00	38.78 0.98 0.00	39.65 1.30 0.00	42.87 1.49 0.00	49.99 1.64 0.00	51.62 1.60 0.00	58.47 1.48 0.00	68.44 1.67 0.00	73.29 1.65 0.00	101.75 2.57 0.00	117.85 2.43 0.00	103.08 2.32 0.00	83.81 2.28 0.00	67.18 1.83 0.00	53.29 1.50 0.00	44.80 1.64 0.00	39.02 1.10 0.00
GILBOA____4 23759	36.08 0.67 0.00	33.27 0.75 0.00	31.11 0.85 0.00	30.19 0.91 0.00	30.58 0.89 0.00	31.58 0.77 0.00	34.14 0.70 0.00	37.12 0.80 0.00	38.78 0.98 0.00	39.65 1.30 0.00	42.87 1.49 0.00	49.99 1.64 0.00	51.62 1.60 0.00	58.47 1.48 0.00	68.44 1.67 0.00	73.29 1.65 0.00	101.75 2.57 0.00	117.85 2.43 0.00	103.08 2.32 0.00	83.81 2.28 0.00	67.18 1.83 0.00	53.29 1.50 0.00	44.80 1.64 0.00	39.02 1.10 0.00
GILBOA____ 23599	36.11 0.71 0.00	33.20 0.68 0.00	31.05 0.79 0.00	30.13 0.85 0.00	30.52 0.83 0.00	31.52 0.71 0.00	34.08 0.64 0.00	37.12 0.80 0.00	38.60 0.79 0.00	39.46 1.11 0.00	42.83 1.45 0.00	49.99 1.64 0.00	51.62 1.60 0.00	58.47 1.48 0.00	68.44 1.67 0.00	73.43 1.79 0.00	101.76 2.58 0.00	117.85 2.42 0.00	103.18 2.42 0.00	83.81 2.28 0.00	67.25 1.90 0.00	53.29 1.50 0.00	44.76 1.60 0.00	38.95 1.02 0.00
GINNA____ 23603	34.34 -1.06 0.00	30.99 -1.53 0.00	28.69 -1.58 0.00	27.67 -1.61 0.00	28.12 -1.57 0.00	29.30 -1.51 0.00	32.00 -1.44 0.00	34.76 -1.56 0.00	36.40 -1.40 0.00	36.97 -1.38 0.00	40.18 -1.20 0.00	47.14 -1.21 0.00	48.87 -1.15 0.00	56.07 -0.91 0.00	65.84 -0.93 0.00	70.42 -1.22 0.00	97.09 -2.09 0.00	112.42 -3.00 0.00	98.75 -2.01 0.00	79.81 -1.72 0.00	64.70 -0.65 0.00	51.02 -0.78 0.00	41.70 -1.47 0.00	36.71 -1.22 0.00
GLEN PARK____ 23778	36.25 0.85 0.00	33.11 0.59 0.00	30.54 0.27 0.00	29.54 0.26 0.00	30.02 0.33 0.00	31.28 0.46 0.00	34.01 0.57 0.00	36.94 0.62 0.00	38.37 0.57 0.00	39.00 0.65 0.00	42.13 0.75 0.00	49.40 1.06 0.00	51.17 1.15 0.00	56.04 1.82 2.77	64.28 2.00 4.49	68.72 2.44 5.36	92.70 3.57 10.04	120.16 4.73 0.00	105.09 3.99 0.00	78.52 3.77 7.00	63.71 2.87 4.51	54.12 2.33 0.00	44.33 1.17 0.00	38.95 1.02 0.00



GLENDALE_27_KV_LOAD 356172	37.35 1.95 0.00	34.31 1.79 0.00	32.02 1.76 0.00	30.86 1.58 0.00	31.24 1.54 0.00	32.29 1.48 0.00	35.15 1.71 0.00	38.61 2.29 0.00	40.26 2.46 0.00	41.30 2.95 0.00	45.02 3.64 0.00	52.15 3.82 0.01	53.51 3.50 0.01	58.76 3.76 1.99	67.18 4.74 4.33	59.94 5.37 17.08	101.66 8.33 5.85	117.21 8.54 6.76	74.81 7.66 33.61	60.83 6.11 26.81	55.57 3.66 13.44	51.39 2.74 3.14	46.79 3.63 0.00	40.31 2.39 0.00
GLENWOOD_IC_1_G5 23712	38.85 2.20 -1.24	34.62 2.08 -0.02	32.96 2.00 -0.70	31.61 1.87 -0.46	32.32 1.84 -0.79	32.66 1.85 0.00	36.13 2.04 -0.65	38.75 2.43 0.00	40.18 2.38 0.00	41.38 3.03 0.00	44.86 3.48 0.00	52.16 3.82 0.00	54.02 4.00 0.00	66.00 4.39 -4.63	79.93 5.34 -7.81	101.07 6.09 -23.34	127.83 9.12 -19.53	132.72 9.58 -7.71	115.13 8.46 -5.90	88.31 6.77 -0.02	69.60 4.25 0.00	55.11 3.31 0.00	46.75 3.58 0.00	40.27 2.35 0.00
GLENWOOD_IC_2_G1 23688	38.53 1.88 -1.24	34.49 1.95 -0.02	32.84 1.88 -0.70	31.46 1.73 -0.46	32.20 1.72 -0.79	32.54 1.72 -0.01	36.00 1.91 -0.65	38.57 2.25 0.00	40.53 2.72 0.00	41.57 3.22 0.00	44.65 3.27 0.00	51.97 3.63 0.00	53.78 3.75 -0.01	65.72 4.11 -4.63	79.60 5.01 -7.81	100.57 5.59 -23.34	127.33 8.62 -19.53	132.15 9.01 -7.71	114.62 7.96 -5.90	87.98 6.44 -0.02	69.27 3.92 0.00	54.95 3.16 0.00	46.66 3.49 0.00	40.35 2.43 0.00
GLENWOOD_IC_3_G1 23689	38.53 1.88 -1.24	34.49 1.95 -0.02	32.84 1.88 -0.70	31.46 1.73 -0.46	32.20 1.72 -0.79	32.54 1.72 -0.01	36.00 1.91 -0.65	38.57 2.25 0.00	40.53 2.72 0.00	41.57 3.22 0.00	44.65 3.27 0.00	51.97 3.63 0.00	53.78 3.75 -0.01	65.72 4.11 -4.63	79.60 5.01 -7.81	100.57 5.59 -23.34	127.33 8.62 -19.53	132.15 9.01 -7.71	114.62 7.96 -5.90	87.98 6.44 -0.02	69.27 3.92 0.00	54.95 3.16 0.00	46.66 3.49 0.00	40.35 2.43 0.00
GLENWOOD___4 23550	38.85 2.20 -1.24	34.62 2.08 -0.02	32.96 2.00 -0.70	31.61 1.87 -0.46	32.32 1.84 -0.79	32.66 1.85 0.00	36.13 2.04 -0.65	38.75 2.43 0.00	40.18 2.38 0.00	41.38 3.03 0.00	44.94 3.56 0.00	52.26 3.92 0.00	54.12 4.10 0.00	66.12 4.50 -4.63	80.13 5.54 -7.81	101.22 6.23 -23.34	128.03 9.32 -19.53	132.95 9.81 -7.71	115.33 8.67 -5.90	88.47 6.93 -0.02	69.80 4.44 0.00	55.21 3.42 0.00	46.88 3.71 0.00	40.35 2.43 0.00
GLENWOOD___5 23614	38.85 2.20 -1.24	34.62 2.08 -0.02	32.96 2.00 -0.70	31.61 1.87 -0.46	32.32 1.84 -0.79	32.66 1.85 0.00	36.13 2.04 -0.65	38.75 2.43 0.00	40.18 2.38 0.00	41.38 3.03 0.00	44.94 3.56 0.00	52.26 3.92 0.00	54.12 4.10 0.00	66.12 4.50 -4.63	80.13 5.54 -7.81	101.22 6.23 -23.34	128.03 9.32 -19.53	132.95 9.81 -7.71	115.33 8.67 -5.90	88.47 6.93 -0.02	69.80 4.44 0.00	55.21 3.42 0.00	46.88 3.71 0.00	40.35 2.43 0.00
GLOBAL GREEN_PORT_GT1 23814	41.48 4.81 -1.25	37.12 4.59 -0.02	35.29 4.33 -0.70	33.81 4.07 -0.46	34.58 4.10 -0.79	34.98 4.16 -0.01	38.81 4.72 -0.65	41.44 5.12 0.00	45.70 5.97 -1.93	50.70 6.67 -5.68	54.76 6.50 -6.88	55.74 7.40 0.00	105.04 8.40 -46.63	173.40 9.63 -106.78	350.34 11.55 -272.02	318.31 12.46 -234.21	311.98 15.57 -197.23	303.37 17.20 -170.74	303.37 15.02 -187.59	330.40 14.35 -234.52	400.24 10.19 -324.70	188.83 8.03 -129.01	115.27 7.08 -65.02	47.35 5.54 -3.89
GLOBE___DSASP 323697	33.46 -1.95 0.00	30.86 -1.66 0.00	28.57 -1.69 0.00	27.52 -1.76 0.00	28.09 -1.60 0.00	29.27 -1.54 0.00	31.97 -1.47 0.00	34.50 -1.82 0.00	36.40 -1.40 0.00	36.51 -1.84 0.00	39.93 -1.45 0.00	46.70 -1.64 0.00	48.12 -1.90 0.00	55.39 -1.60 0.00	65.03 -1.74 0.00	68.27 -3.37 0.00	94.71 -4.46 0.00	109.19 -6.23 0.00	95.83 -4.94 0.00	77.37 -4.16 0.00	63.39 -1.96 0.00	50.60 -1.19 0.00	40.40 -2.76 0.00	36.52 -1.40 0.00
GOETHSLN___LBMP 323567	35.55 1.49 1.35	33.95 1.43 0.00	31.66 1.39 0.00	30.54 1.26 0.00	30.91 1.22 0.00	31.98 1.17 0.00	34.78 1.34 0.00	35.40 1.85 2.77	35.02 1.89 4.68	40.76 2.42 0.00	36.13 3.06 8.31	38.43 3.38 13.30	38.33 3.05 14.74	38.87 3.31 21.42	70.98 4.21 0.00	40.93 4.80 35.51	66.63 7.44 39.98	68.97 7.50 53.95	55.55 6.65 51.86	40.63 5.38 46.27	68.42 3.07 0.00	38.51 2.28 15.56	37.82 3.11 8.45	35.69 1.90 4.13
GOLAH___69_KV_TB 1_2 80279	35.05 -0.35 0.00	32.23 -0.29 0.00	29.84 -0.42 0.00	28.78 -0.50 0.00	29.28 -0.42 0.00	30.50 -0.31 0.00	33.34 -0.10 0.00	36.14 -0.18 0.00	37.88 0.08 0.00	38.27 -0.08 0.00	41.80 0.41 0.00	48.83 0.48 0.00	50.42 0.40 0.00	57.96 0.97 0.00	67.97 1.20 0.00	72.21 0.57 0.00	100.27 1.09 0.00	115.89 0.46 0.00	101.77 1.01 0.00	82.51 0.98 0.00	66.85 1.50 0.00	53.03 1.24 0.00	42.82 -0.35 0.00	38.19 0.27 0.00
GOODYEAR_LAKE_HYD 323669	37.25 1.84 0.00	34.18 1.66 0.00	31.69 1.42 0.00	30.68 1.41 0.00	31.15 1.45 0.00	32.32 1.51 0.00	34.71 1.27 0.00	37.85 1.53 0.00	39.39 1.59 0.00	40.26 1.92 0.00	43.82 2.44 0.00	51.19 2.85 0.00	52.92 2.90 0.00	60.24 3.25 0.00	70.51 3.74 0.00	75.72 4.08 0.00	104.93 5.75 0.00	121.89 6.46 0.00	106.61 5.84 0.00	86.66 5.14 0.00	69.14 3.79 0.00	54.80 3.00 0.00	45.58 2.42 0.00	39.78 1.86 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	35.87 0.46 0.00	32.94 0.42 0.00	30.57 0.30 0.00	29.54 0.26 0.00	29.99 0.30 0.00	31.15 0.34 0.00	33.94 0.50 0.00	36.83 0.51 0.00	38.44 0.64 0.00	39.11 0.77 0.00	42.54 1.16 0.00	49.74 1.40 0.00	51.52 1.50 0.00	58.75 1.77 0.00	69.04 2.27 0.00	73.72 2.08 0.00	102.05 2.88 0.00	118.31 2.89 0.00	103.69 2.92 0.00	83.97 2.45 0.00	67.64 2.29 0.00	53.60 1.81 0.00	44.11 0.95 0.00	38.76 0.83 0.00
GOUDEY___7 23579	35.90 0.50 0.00	32.98 0.46 0.00	30.57 0.30 0.00	29.54 0.26 0.00	30.02 0.33 0.00	31.18 0.37 0.00	33.94 0.50 0.00	36.87 0.54 0.00	38.48 0.68 0.00	39.15 0.81 0.00	42.58 1.20 0.00	49.79 1.45 0.00	51.57 1.55 0.00	58.87 1.88 0.00	69.11 2.34 0.00	73.79 2.15 0.00	102.15 2.98 0.00	118.54 3.12 0.00	103.79 3.02 0.00	84.06 2.53 0.00	67.70 2.35 0.00	53.66 1.86 0.00	44.16 0.99 0.00	38.83 0.91 0.00
GOUDEY___8 23580	35.87 0.46 0.00	32.94 0.42 0.00	30.57 0.30 0.00	29.54 0.26 0.00	29.99 0.30 0.00	31.15 0.34 0.00	33.94 0.50 0.00	36.83 0.51 0.00	38.44 0.64 0.00	39.11 0.77 0.00	42.54 1.16 0.00	49.74 1.40 0.00	51.52 1.50 0.00	58.75 1.77 0.00	69.04 2.27 0.00	73.72 2.08 0.00	102.05 2.88 0.00	118.31 2.89 0.00	103.69 2.92 0.00	83.97 2.45 0.00	67.64 2.29 0.00	53.60 1.81 0.00	44.11 0.95 0.00	38.76 0.83 0.00
GOWANUS_GT1_1 24077	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00



GOWANUS_GT1_2 24078	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT1_3 24079	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT1_4 24080	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT1_5 24084	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT1_6 24111	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT1_7 24112	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT1_8 24113	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT2_1 24114	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT2_2 24115	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT2_3 24116	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT2_4 24117	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT2_5 24118	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT2_6 24119	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT2_7 24120	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT2_8 24121	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00



GOWANUS_GT3_1 24122	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT3_2 24123	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT3_3 24124	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT3_4 24125	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT3_5 24126	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT3_6 24127	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT3_7 24128	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT3_8 24129	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
GOWANUS_GT4_1 24130	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT4_2 24131	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT4_3 24132	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT4_4 24133	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT4_5 24134	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT4_6 24135	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GOWANUS_GT4_7 24136	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00



GOWANUS_GT4_8 24137	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GREENBSH_115KV_TB3 55895	35.97 0.57 0.00	33.04 0.52 0.00	30.81 0.54 0.00	29.81 0.53 0.00	30.17 0.48 0.00	31.27 0.46 0.00	33.91 0.47 0.00	36.90 0.58 0.00	38.33 0.53 0.00	39.23 0.88 0.00	42.50 1.12 0.00	49.50 1.16 0.00	51.12 1.10 0.00	58.18 1.20 0.00	68.04 1.27 0.00	73.36 1.72 0.00	101.46 2.28 0.00	117.73 2.31 0.00	102.98 2.22 0.00	83.48 1.96 0.00	66.66 1.31 0.00	53.03 1.24 0.00	44.50 1.34 0.00	38.68 0.76 0.00
GREENDGE_115KV_TB5 80291	36.01 0.60 0.00	33.07 0.55 0.00	30.54 0.27 0.00	29.48 0.20 0.00	29.99 0.30 0.00	31.31 0.49 0.00	34.28 0.84 0.00	37.23 0.91 0.00	38.94 1.13 0.00	39.27 0.92 0.00	42.83 1.45 0.00	50.18 1.84 0.00	52.02 2.00 0.00	59.55 2.56 0.00	70.11 3.34 0.00	74.58 2.94 0.00	102.95 3.77 0.00	119.46 4.04 0.00	104.69 3.93 0.00	84.71 3.18 0.00	68.49 3.14 0.00	54.28 2.49 0.00	44.03 0.86 0.00	39.02 1.10 0.00
GREENIDGE___3 23582	36.01 0.60 0.00	33.07 0.55 0.00	30.54 0.27 0.00	29.48 0.20 0.00	29.99 0.30 0.00	31.31 0.49 0.00	34.28 0.84 0.00	37.23 0.91 0.00	38.94 1.13 0.00	39.27 0.92 0.00	42.83 1.45 0.00	50.18 1.84 0.00	52.02 2.00 0.00	59.55 2.56 0.00	70.11 3.34 0.00	74.58 2.94 0.00	102.95 3.77 0.00	119.46 4.04 0.00	104.69 3.93 0.00	84.71 3.18 0.00	68.49 3.14 0.00	54.28 2.49 0.00	44.03 0.86 0.00	39.02 1.10 0.00
GREENIDGE___4 23583	36.61 1.20 0.00	33.11 0.59 0.00	30.57 0.30 0.00	29.51 0.23 0.00	29.96 0.27 0.00	31.30 0.49 0.00	34.28 0.84 0.00	37.19 0.87 0.00	38.75 0.95 0.00	39.38 1.04 0.00	42.83 1.45 0.00	50.18 1.84 0.00	52.02 2.00 0.00	59.55 2.57 0.00	70.11 3.34 0.00	74.87 3.23 0.00	102.95 3.77 0.00	119.35 3.93 0.00	104.80 4.03 0.00	84.70 3.18 0.00	68.75 3.40 0.00	54.28 2.49 0.00	44.37 1.21 0.00	39.21 1.29 0.00
GREENLWN_69_KV_BK 3 55738	39.02 2.37 -1.24	34.91 2.37 -0.02	33.24 2.27 -0.70	31.87 2.14 -0.46	32.59 2.11 -0.79	32.94 2.13 0.00	36.47 2.37 -0.65	38.83 2.51 0.00	39.41 1.97 0.36	39.43 2.42 1.34	42.87 3.02 1.53	51.68 3.34 0.00	43.68 4.00 10.34	43.47 4.50 18.02	32.23 5.54 40.09	54.40 6.16 23.40	88.04 8.73 19.86	96.46 9.46 28.43	74.75 8.36 34.38	36.98 7.42 51.97	8.68 4.64 61.32	37.38 3.52 17.94	32.25 3.50 14.42	39.22 2.16 0.86
GREENWD_138_KV_38B11_REV_LBMP_J 345004	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00
GRISSOM___SOLAR 323813	39.65 4.25 0.00	36.23 3.71 0.00	33.62 3.36 0.00	32.41 3.13 0.00	32.93 3.24 0.00	34.26 3.45 0.00	37.82 4.38 0.00	40.82 4.50 0.00	42.41 4.61 0.00	42.99 4.64 0.00	46.22 4.84 0.00	54.48 6.14 0.00	56.12 6.10 0.00	64.91 7.92 0.00	76.45 9.68 0.00	82.38 10.74 0.00	115.24 16.06 0.00	134.46 19.04 0.00	117.80 17.03 0.00	94.82 13.29 0.00	76.40 11.05 0.00	60.55 8.76 0.00	49.81 6.64 0.00	43.31 5.38 0.00
GROVEVILLE___HYD 323602	37.25 1.84 0.00	34.31 1.79 0.00	31.93 1.66 0.00	30.86 1.58 0.00	31.24 1.54 0.00	32.23 1.42 0.00	35.01 1.57 0.00	38.46 2.14 0.00	39.88 2.08 0.00	40.92 2.57 0.00	44.65 3.27 0.00	52.16 3.82 0.00	54.02 4.00 0.00	61.43 4.45 0.00	71.91 5.14 0.00	77.66 6.02 0.00	108.30 9.12 0.00	125.12 9.70 0.00	109.43 8.67 0.00	88.54 7.01 0.00	70.25 4.90 0.00	55.68 3.88 0.00	47.05 3.88 0.00	40.54 2.62 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	35.83 0.42 0.00	32.88 0.36 0.00	30.48 0.21 0.00	29.45 0.18 0.00	29.90 0.21 0.00	31.09 0.28 0.00	33.81 0.37 0.00	36.65 0.33 0.00	38.18 0.38 0.00	38.88 0.54 0.00	41.96 0.58 0.00	49.07 0.73 0.00	50.87 0.85 0.00	58.01 1.03 0.00	67.91 1.14 0.00	72.64 1.00 0.00	100.66 1.49 0.00	116.81 1.39 0.00	102.17 1.41 0.00	82.75 1.22 0.00	66.59 1.24 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00
HAMLTNNY_34_KV_TB 80303	35.94 0.53 0.00	32.98 0.46 0.00	30.57 0.30 0.00	29.54 0.26 0.00	29.99 0.30 0.00	31.18 0.37 0.00	33.94 0.50 0.00	36.79 0.47 0.00	38.18 0.38 0.00	38.88 0.54 0.00	42.13 0.74 0.00	49.31 0.97 0.00	51.07 1.05 0.00	58.30 1.31 0.00	68.37 1.60 0.00	73.14 1.50 0.00	101.76 2.58 0.00	118.08 2.65 0.00	103.28 2.52 0.00	83.65 2.12 0.00	67.38 2.03 0.00	53.40 1.61 0.00	43.94 0.78 0.00	38.57 0.64 0.00
HAMPSHIRE___PAPER_HYD 323593	34.77 -0.64 0.00	31.87 -0.65 0.00	29.57 -0.69 0.00	28.61 -0.67 0.00	29.04 -0.65 0.00	30.26 -0.55 0.00	32.80 -0.64 0.00	35.67 -0.65 0.00	36.93 -0.87 0.00	37.35 -1.00 0.00	39.81 -1.57 0.00	46.60 -1.74 0.00	48.17 -1.85 0.00	47.92 -1.83 7.24	52.84 -2.20 11.73	55.50 -2.15 13.99	69.53 -3.37 26.28	113.46 -1.96 0.00	98.34 -2.42 0.00	61.01 -2.20 18.33	51.78 -1.76 11.81	50.40 -1.40 0.00	41.57 -1.60 0.00	37.12 -0.80 0.00
HARDSCRABBLE_WT_PWR 323673	35.27 -0.14 0.00	32.39 -0.13 0.00	30.11 -0.15 0.00	29.13 -0.15 0.00	29.54 -0.15 0.00	30.66 -0.15 0.00	33.27 -0.17 0.00	36.18 -0.14 0.00	37.73 -0.08 0.00	38.42 0.08 0.00	41.51 0.12 0.00	48.54 0.19 0.00	50.07 0.05 0.00	56.67 0.00 0.31	66.19 -0.07 0.51	70.96 -0.07 0.61	98.04 0.00 1.14	115.31 -0.12 0.00	100.56 -0.20 0.00	80.82 0.08 0.79	64.84 0.00 0.51	51.90 0.10 0.00	43.29 0.13 0.00	37.96 0.04 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	36.79 1.38 0.00	33.85 1.33 0.00	31.57 1.30 0.00	30.48 1.20 0.00	30.85 1.16 0.00	31.89 1.08 0.00	34.61 1.17 0.00	37.92 1.60 0.00	39.39 1.59 0.00	40.38 2.03 0.00	43.99 2.61 0.00	51.34 3.00 0.00	52.97 2.95 0.00	60.29 3.31 0.00	70.78 4.01 0.00	76.30 4.66 0.00	106.32 7.14 0.00	122.81 7.39 0.00	107.31 6.55 0.00	86.75 5.22 0.00	68.62 3.27 0.00	54.33 2.54 0.00	46.06 2.89 0.00	39.74 1.82 0.00
HARSNRAD_115KV_TB1 81005	34.10 -1.31 0.00	31.42 -1.11 0.00	29.05 -1.21 0.00	27.99 -1.29 0.00	28.56 -1.13 0.00	29.80 -1.02 0.00	32.57 -0.87 0.00	35.19 -1.13 0.00	37.16 -0.64 0.00	37.31 -1.04 0.00	40.80 -0.58 0.00	47.71 -0.63 0.00	49.22 -0.80 0.00	56.70 -0.28 0.00	66.57 -0.20 0.00	69.92 -1.72 0.00	97.00 -2.18 0.00	111.96 -3.46 0.00	98.24 -2.52 0.00	79.25 -2.28 0.00	64.83 -0.52 0.00	51.69 -0.10 0.00	41.27 -1.90 0.00	37.20 -0.72 0.00



HARZA MOOSE___RIVER 24016	36.01 0.60 0.00	33.01 0.49 0.00	30.54 0.27 0.00	29.54 0.26 0.00	30.02 0.33 0.00	31.21 0.40 0.00	33.91 0.47 0.00	36.87 0.54 0.00	38.33 0.53 0.00	39.00 0.65 0.00	42.13 0.74 0.00	49.26 0.92 0.00	50.97 0.95 0.00	58.30 1.31 0.00	68.31 1.54 0.00	73.36 1.72 0.00	101.66 2.48 0.00	118.66 3.23 0.00	103.59 2.82 0.00	84.06 2.53 0.00	67.18 1.83 0.00	53.29 1.50 0.00	43.99 0.82 0.00	38.64 0.72 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	35.48 0.07 0.00	32.59 0.07 0.00	30.20 -0.06 0.00	29.19 -0.09 0.00	29.63 -0.06 0.00	30.81 0.00 0.00	33.54 0.10 0.00	36.32 0.00 0.00	37.88 0.08 0.00	38.54 0.19 0.00	41.80 0.41 0.00	48.92 0.58 0.00	50.67 0.65 0.00	57.84 0.85 0.00	67.77 1.00 0.00	72.43 0.79 0.00	100.27 1.09 0.00	116.35 0.92 0.00	101.87 1.11 0.00	82.42 0.90 0.00	66.33 0.98 0.00	52.57 0.78 0.00	43.38 0.22 0.00	38.07 0.15 0.00
HELLGATE_13_KV_LD 55870	37.18 1.77 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.09 1.40 0.00	32.11 1.29 0.00	34.95 1.50 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	51.72 3.38 0.01	53.06 3.05 0.01	59.06 3.31 1.24	67.67 4.21 3.31	65.17 4.80 11.27	102.15 7.44 4.46	124.24 7.50 -1.32	81.89 6.75 25.63	68.86 5.38 18.05	59.27 3.14 9.22	52.17 2.33 1.95	46.49 3.32 0.00	40.05 2.12 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	37.18 1.77 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.09 1.40 0.00	32.11 1.29 0.00	34.95 1.50 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	51.72 3.38 0.01	53.06 3.05 0.01	59.06 3.31 1.24	67.67 4.21 3.31	65.17 4.80 11.27	102.15 7.44 4.46	124.24 7.50 -1.32	81.89 6.75 25.63	68.86 5.38 18.05	59.27 3.14 9.22	52.17 2.33 1.95	46.49 3.32 0.00	40.05 2.12 0.00
HEMPSTEAD____ 23647	38.81 2.16 -1.24	34.75 2.21 -0.02	33.08 2.12 -0.70	31.73 1.99 -0.46	32.47 1.99 -0.79	32.82 2.00 -0.01	36.30 2.21 -0.65	38.86 2.54 0.00	40.86 3.06 0.00	41.91 3.57 0.00	44.65 3.27 0.00	51.92 3.58 0.00	54.03 4.00 -0.01	66.00 4.39 -4.63	79.99 5.41 -7.81	100.93 5.94 -23.34	127.83 9.12 -19.53	132.83 9.70 -7.71	115.22 8.56 -5.90	88.39 6.85 -0.02	69.47 4.12 0.00	55.21 3.42 0.00	46.75 3.58 0.00	40.50 2.58 0.00
HEWLETT__69_KV_BK3 55828	39.27 2.62 -1.24	34.98 2.44 -0.02	33.33 2.36 -0.70	31.96 2.23 -0.46	32.65 2.17 -0.79	33.03 2.22 0.00	36.47 2.37 -0.65	39.01 2.69 0.00	40.30 2.49 0.00	41.65 3.30 0.00	45.27 3.89 0.00	52.64 4.30 0.00	54.77 4.75 0.00	66.80 5.19 -4.63	80.93 6.34 -7.81	102.00 7.02 -23.34	129.12 10.41 -19.53	134.33 11.20 -7.71	116.54 9.87 -5.90	89.45 7.91 -0.02	70.45 5.10 0.00	55.88 4.09 0.00	47.48 4.32 0.00	40.81 2.88 0.00
HICKLING___1 23621	36.04 0.64 0.00	33.14 0.62 0.00	30.60 0.33 0.00	29.54 0.26 0.00	30.05 0.36 0.00	31.31 0.49 0.00	34.21 0.77 0.00	37.12 0.80 0.00	38.94 1.13 0.00	39.50 1.15 0.00	43.12 1.74 0.00	50.47 2.13 0.00	52.37 2.35 0.00	59.95 2.96 0.00	70.58 3.81 0.00	74.86 3.22 0.00	103.64 4.46 0.00	119.81 4.39 0.00	105.10 4.33 0.00	84.95 3.42 0.00	68.82 3.46 0.00	54.59 2.80 0.00	44.33 1.17 0.00	39.21 1.29 0.00
HICKLING___2 23622	36.04 0.64 0.00	33.14 0.62 0.00	30.60 0.33 0.00	29.54 0.26 0.00	30.05 0.36 0.00	31.31 0.49 0.00	34.21 0.77 0.00	37.12 0.80 0.00	38.94 1.13 0.00	39.50 1.15 0.00	43.12 1.74 0.00	50.47 2.13 0.00	52.37 2.35 0.00	59.95 2.96 0.00	70.58 3.81 0.00	74.86 3.22 0.00	103.64 4.46 0.00	119.81 4.39 0.00	105.10 4.33 0.00	84.95 3.42 0.00	68.82 3.46 0.00	54.59 2.80 0.00	44.33 1.17 0.00	39.21 1.29 0.00
HIGH FALLS___HY 23754	36.79 1.38 0.00	33.85 1.33 0.00	31.53 1.27 0.00	30.48 1.20 0.00	30.88 1.19 0.00	31.83 1.02 0.00	34.54 1.10 0.00	38.50 2.18 0.00	39.88 2.08 0.00	40.80 2.45 0.00	44.57 3.19 0.00	52.06 3.72 0.00	53.52 3.50 0.00	60.98 3.99 0.00	71.65 4.87 0.00	77.66 6.02 0.00	108.80 9.62 0.00	125.35 9.93 0.00	109.73 8.97 0.00	88.62 7.09 0.00	70.32 4.97 0.00	55.47 3.68 0.00	46.92 3.76 0.00	40.39 2.46 0.00
HILLBURN___GT 23639	36.54 1.13 0.00	33.82 1.30 0.00	31.53 1.27 0.00	30.45 1.17 0.00	30.85 1.16 0.00	31.92 1.11 0.00	34.68 1.24 0.00	37.85 1.53 0.00	39.65 1.85 0.00	40.73 2.38 0.00	43.95 2.57 0.00	51.24 2.90 0.00	52.82 2.80 0.00	60.01 3.02 0.00	70.51 3.74 0.00	75.87 4.23 0.00	105.82 6.65 0.00	122.12 6.69 0.00	106.81 6.05 0.00	86.34 4.81 0.00	68.16 2.81 0.00	54.07 2.28 0.00	45.93 2.76 0.00	39.71 1.78 0.00
HILLSIDE_115KV_TB1 80332	35.41 0.00 0.00	32.55 0.03 0.00	30.11 -0.15 0.00	29.07 -0.20 0.00	29.54 -0.15 0.00	30.75 -0.06 0.00	33.61 0.17 0.00	36.47 0.15 0.00	38.18 0.38 0.00	38.73 0.38 0.00	42.25 0.87 0.00	49.45 1.11 0.00	51.27 1.25 0.00	58.64 1.65 0.00	69.04 2.27 0.00	73.29 1.65 0.00	101.46 2.28 0.00	117.39 1.96 0.00	102.98 2.22 0.00	83.24 1.71 0.00	67.31 1.96 0.00	53.40 1.61 0.00	43.51 0.35 0.00	38.45 0.53 0.00
HISHELDN_WT_PWR 323625	36.22 0.81 0.00	32.33 -0.19 0.00	29.81 -0.45 0.00	28.75 -0.53 0.00	29.22 -0.48 0.00	30.50 -0.31 0.00	33.41 -0.03 0.00	36.10 -0.22 0.00	38.07 0.27 0.00	38.42 0.08 0.00	41.96 0.58 0.00	49.11 0.77 0.00	50.67 0.65 0.00	58.19 1.20 0.00	68.44 1.67 0.00	72.64 1.00 0.00	99.97 0.79 0.00	115.42 0.00 0.00	101.47 0.71 0.00	81.86 0.33 0.00	67.12 1.77 0.00	53.09 1.30 0.00	43.21 0.04 0.00	38.34 0.42 0.00
HOLTSVILLE_IC_1 23690	39.42 2.76 -1.25	35.40 2.86 -0.02	33.69 2.72 -0.70	32.28 2.55 -0.46	33.03 2.55 -0.79	33.41 2.59 -0.01	37.00 2.91 -0.65	39.44 3.12 0.00	43.36 3.67 -1.90	48.06 4.11 -5.61	51.64 3.52 -6.74	52.16 3.82 0.00	100.20 4.50 -45.68	166.59 4.90 -104.70	292.29 6.01 -219.51	308.14 6.59 -229.92	302.52 9.72 -193.61	293.24 10.39 -167.43	293.92 9.26 -183.89	271.89 7.75 -182.62	341.14 4.84 -270.96	134.98 3.93 -79.25	110.83 3.97 -63.70	44.61 2.88 -3.81
HOLTSVILLE_IC_10 23699	39.78 3.12 -1.26	35.69 3.15 -0.02	33.96 3.00 -0.70	32.55 2.81 -0.46	33.30 2.82 -0.79	33.69 2.87 -0.01	37.33 3.24 -0.65	39.81 3.49 0.00	43.91 4.08 -2.02	48.78 4.52 -5.91	52.66 4.01 -7.26	52.74 4.40 0.00	104.31 5.10 -49.19	175.02 5.64 -112.39	287.37 6.88 -213.72	324.95 7.52 -245.79	317.27 11.11 -206.99	307.01 11.89 -179.70	308.91 10.58 -197.57	264.93 8.81 -174.59	340.76 5.68 -269.72	119.64 4.56 -63.29	116.20 4.45 -68.59	45.29 3.26 -4.10
HOLTSVILLE_IC_2 23691	39.42 2.76 -1.25	35.40 2.86 -0.02	33.69 2.72 -0.70	32.28 2.55 -0.46	33.03 2.55 -0.79	33.41 2.59 -0.01	37.00 2.91 -0.65	39.44 3.12 0.00	43.36 3.67 -1.90	48.06 4.11 -5.61	51.64 3.52 -6.74	52.16 3.82 0.00	100.20 4.50 -45.68	166.59 4.90 -104.70	292.29 6.01 -219.51	308.14 6.59 -229.92	302.52 9.72 -193.61	293.24 10.39 -167.43	293.92 9.26 -183.89	271.89 7.75 -182.62	341.14 4.84 -270.96	134.98 3.93 -79.25	110.83 3.97 -63.70	44.61 2.88 -3.81



HOLTSVILLE_IC_3 23692	39.42 2.76 -1.25	35.40 2.86 -0.02	33.69 2.72 -0.70	32.28 2.55 -0.46	33.03 2.55 -0.79	33.41 2.59 -0.01	37.00 2.91 -0.65	39.44 3.12 0.00	43.36 3.67 -1.90	48.06 4.11 -5.61	51.64 3.52 -6.74	52.16 3.82 0.00	100.20 4.50 -45.68	166.59 4.90 -104.70	292.29 6.01 -219.51	308.14 6.59 -229.92	302.52 9.72 -193.61	293.24 10.39 -167.43	293.92 9.26 -183.89	271.89 7.75 -182.62	341.14 4.84 -270.96	134.98 3.93 -79.25	110.83 3.97 -63.70	44.61 2.88 -3.81
HOLTSVILLE_IC_4 23693	39.42 2.76 -1.25	35.40 2.86 -0.02	33.69 2.72 -0.70	32.28 2.55 -0.46	33.03 2.55 -0.79	33.41 2.59 -0.01	37.00 2.91 -0.65	39.44 3.12 0.00	43.36 3.67 -1.90	48.06 4.11 -5.61	51.64 3.52 -6.74	52.16 3.82 0.00	100.20 4.50 -45.68	166.59 4.90 -104.70	292.29 6.01 -219.51	308.14 6.59 -229.92	302.52 9.72 -193.61	293.24 10.39 -167.43	293.92 9.26 -183.89	271.89 7.75 -182.62	341.14 4.84 -270.96	134.98 3.93 -79.25	110.83 3.97 -63.70	44.61 2.88 -3.81
HOLTSVILLE_IC_5 23694	39.42 2.76 -1.25	35.40 2.86 -0.02	33.69 2.72 -0.70	32.28 2.55 -0.46	33.03 2.55 -0.79	33.41 2.59 -0.01	37.00 2.91 -0.65	39.44 3.12 0.00	43.36 3.67 -1.90	48.06 4.11 -5.61	51.64 3.52 -6.74	52.16 3.82 0.00	100.20 4.50 -45.68	166.59 4.90 -104.70	292.29 6.01 -219.51	308.14 6.59 -229.92	302.52 9.72 -193.61	293.24 10.39 -167.43	293.92 9.26 -183.89	271.89 7.75 -182.62	341.14 4.84 -270.96	134.98 3.93 -79.25	110.83 3.97 -63.70	44.61 2.88 -3.81
HOLTSVILLE_IC_6 23695	39.78 3.12 -1.26	35.69 3.15 -0.02	33.96 3.00 -0.70	32.55 2.81 -0.46	33.30 2.82 -0.79	33.69 2.87 -0.01	37.33 3.24 -0.65	39.81 3.49 0.00	43.91 4.08 -2.02	48.78 4.52 -5.91	52.66 4.01 -7.26	52.74 4.40 0.00	104.31 5.10 -49.19	175.02 5.64 -112.39	287.37 6.88 -213.72	324.95 7.52 -245.79	317.27 11.11 -206.99	307.01 11.89 -179.70	308.91 10.58 -197.57	264.93 8.81 -174.59	340.76 5.68 -269.72	119.64 4.56 -63.29	116.20 4.45 -68.59	45.29 3.26 -4.10
HOLTSVILLE_IC_7 23696	39.78 3.12 -1.26	35.69 3.15 -0.02	33.96 3.00 -0.70	32.55 2.81 -0.46	33.30 2.82 -0.79	33.69 2.87 -0.01	37.33 3.24 -0.65	39.81 3.49 0.00	43.91 4.08 -2.02	48.78 4.52 -5.91	52.66 4.01 -7.26	52.74 4.40 0.00	104.31 5.10 -49.19	175.02 5.64 -112.39	287.37 6.88 -213.72	324.95 7.52 -245.79	317.27 11.11 -206.99	307.01 11.89 -179.70	308.91 10.58 -197.57	264.93 8.81 -174.59	340.76 5.68 -269.72	119.64 4.56 -63.29	116.20 4.45 -68.59	45.29 3.26 -4.10
HOLTSVILLE_IC_8 23697	39.78 3.12 -1.26	35.69 3.15 -0.02	33.96 3.00 -0.70	32.55 2.81 -0.46	33.30 2.82 -0.79	33.69 2.87 -0.01	37.33 3.24 -0.65	39.81 3.49 0.00	43.91 4.08 -2.02	48.78 4.52 -5.91	52.66 4.01 -7.26	52.74 4.40 0.00	104.31 5.10 -49.19	175.02 5.64 -112.39	287.37 6.88 -213.72	324.95 7.52 -245.79	317.27 11.11 -206.99	307.01 11.89 -179.70	308.91 10.58 -197.57	264.93 8.81 -174.59	340.76 5.68 -269.72	119.64 4.56 -63.29	116.20 4.45 -68.59	45.29 3.26 -4.10
HOLTSVILLE_IC_9 23698	39.78 3.12 -1.26	35.69 3.15 -0.02	33.96 3.00 -0.70	32.55 2.81 -0.46	33.30 2.82 -0.79	33.69 2.87 -0.01	37.33 3.24 -0.65	39.81 3.49 0.00	43.91 4.08 -2.02	48.78 4.52 -5.91	52.66 4.01 -7.26	52.74 4.40 0.00	104.31 5.10 -49.19	175.02 5.64 -112.39	287.37 6.88 -213.72	324.95 7.52 -245.79	317.27 11.11 -206.99	307.01 11.89 -179.70	308.91 10.58 -197.57	264.93 8.81 -174.59	340.76 5.68 -269.72	119.64 4.56 -63.29	116.20 4.45 -68.59	45.29 3.26 -4.10
HOMER_HL_115KV_TB2 355744	35.16 -0.25 0.00	32.39 -0.13 0.00	29.90 -0.36 0.00	28.78 -0.50 0.00	29.36 -0.33 0.00	30.63 -0.18 0.00	33.64 0.20 0.00	36.36 0.04 0.00	38.37 0.57 0.00	38.69 0.35 0.00	42.42 1.03 0.00	49.60 1.26 0.00	51.37 1.35 0.00	58.98 1.99 0.00	69.64 2.87 0.00	73.36 1.72 0.00	101.56 2.38 0.00	117.16 1.73 0.00	102.78 2.02 0.00	82.91 1.39 0.00	67.38 2.03 0.00	53.40 1.61 0.00	42.91 -0.26 0.00	38.38 0.46 0.00
HOWARD_WT_PWR 323690	37.18 1.77 0.00	33.40 0.88 0.00	30.75 0.48 0.00	29.66 0.38 0.00	30.16 0.47 0.00	31.52 0.71 0.00	34.61 1.17 0.00	37.45 1.13 0.00	39.39 1.59 0.00	39.99 1.65 0.00	43.57 2.19 0.00	51.05 2.71 0.00	52.82 2.80 0.00	60.41 3.42 0.00	71.18 4.41 0.00	75.72 4.08 0.00	104.23 5.06 0.00	120.62 5.20 0.00	106.10 5.34 0.00	85.68 4.16 0.00	69.99 4.64 0.00	55.36 3.57 0.00	45.11 1.94 0.00	39.82 1.90 0.00
HQ_GEN_CEDARS 23644	34.70 -0.71 0.00	31.84 -0.68 0.00	29.66 -0.61 0.00	28.72 -0.56 0.00	29.13 -0.56 0.00	30.26 -0.55 0.00	32.77 -0.67 0.00	35.63 -0.69 0.00	37.05 -0.76 0.00	37.27 -1.07 0.00	38.98 -2.40 0.00	45.54 -2.80 0.00	47.22 -2.80 0.00	53.85 -3.13 0.00	63.10 -3.67 0.00	67.84 -3.80 0.00	93.13 -6.05 0.00	111.61 -3.81 0.00	96.23 -4.53 0.00	76.72 -4.81 0.00	61.82 -3.53 0.00	48.89 -2.90 0.00	41.48 -1.68 0.00	36.94 -0.99 0.00
HQ_GEN_CEDARS_PROXY 323590	34.66 -0.75 0.00	31.84 -0.68 0.00	29.66 -0.61 0.00	28.72 -0.56 0.00	29.13 -0.57 0.00	30.29 -0.52 0.00	32.80 -0.64 0.00	35.63 -0.69 0.00	36.82 -0.98 0.00	37.04 -1.30 0.00	38.98 -2.40 0.00	45.39 -2.81 0.14	47.36 -2.80 -0.14	53.82 -3.13 14.93	63.10 -3.67 24.18	67.84 -3.87 28.85	93.13 -6.05 54.20	111.61 -3.81 0.00	96.23 -4.53 0.00	76.72 -4.81 37.80	61.82 -3.53 22.90	48.89 -2.90 -0.51	41.48 -1.68 1.98	36.79 -1.14 0.00
HQ_GEN_IMPORT 323601	34.91 -0.50 0.00	32.10 -0.42 0.00	29.90 -0.36 0.00	28.93 -0.35 0.00	29.34 -0.35 0.00	30.47 -0.34 0.00	33.04 -0.40 0.00	35.85 -0.47 0.00	37.16 -0.64 0.00	37.39 -0.96 0.00	40.18 -1.20 0.00	46.80 -1.40 0.14	48.76 -1.40 -0.14	55.88 -1.60 -0.49	65.70 -1.87 -0.80	70.66 -1.93 -0.95	98.09 -2.88 -1.79	112.77 -2.65 0.00	98.05 -2.72 0.00	80.41 -2.37 -1.25	65.79 -1.83 -2.27	50.80 -1.50 -0.51	39.62 -1.34 2.21	37.35 -0.80 -0.23
HQ_GEN_WHEEL 23651	34.91 -0.50 0.00	32.10 -0.42 0.00	29.90 -0.36 0.00	28.93 -0.35 0.00	29.34 -0.35 0.00	30.47 -0.34 0.00	33.04 -0.40 0.00	35.85 -0.47 0.00	37.16 -0.64 0.00	37.39 -0.96 0.00	40.18 -1.20 0.00	46.80 -1.40 0.14	48.76 -1.40 -0.14	55.88 -1.60 -0.49	65.70 -1.87 -0.80	70.66 -1.93 -0.95	98.09 -2.88 -1.79	112.77 -2.65 0.00	98.05 -2.72 0.00	80.41 -2.37 -1.25	65.79 -1.83 -2.27	50.80 -1.50 -0.51	39.62 -1.34 2.21	37.35 -0.80 -0.23
HUDSON_AVE_GT_3 23810	37.18 1.77 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.15 2.80 0.00	44.82 3.43 0.00	52.16 3.82 0.00	53.52 3.50 0.00	60.81 3.82 0.00	71.58 4.81 0.00	77.09 5.44 0.00	107.61 8.43 0.00	124.08 8.66 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.08 3.73 0.00	54.54 2.74 0.00	46.70 3.54 0.00	40.16 2.24 0.00
HUDSON_AVE_GT_4 23540	37.18 1.77 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.15 2.80 0.00	44.82 3.43 0.00	52.16 3.82 0.00	53.52 3.50 0.00	60.81 3.82 0.00	71.58 4.81 0.00	77.09 5.44 0.00	107.61 8.43 0.00	124.08 8.66 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.08 3.73 0.00	54.54 2.74 0.00	46.70 3.54 0.00	40.16 2.24 0.00



HUDSON AVE_GT_5 23657	37.18 1.77 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.15 2.80 0.00	44.82 3.43 0.00	52.16 3.82 0.00	53.52 3.50 0.00	60.81 3.82 0.00	71.58 4.81 0.00	77.09 5.44 0.00	107.61 8.43 0.00	124.08 8.66 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.08 3.73 0.00	54.54 2.74 0.00	46.70 3.54 0.00	40.16 2.24 0.00
HUDSON_AVE_10 24168	37.07 1.66 0.00	34.12 1.59 0.00	31.84 1.57 0.00	30.68 1.41 0.00	31.06 1.37 0.00	32.17 1.36 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.07 2.72 0.00	44.69 3.31 0.00	52.02 3.67 0.00	53.32 3.30 0.00	60.63 3.65 0.00	71.38 4.61 0.00	76.87 5.23 0.00	107.31 8.13 0.00	123.73 8.31 0.00	108.22 7.46 0.00	87.48 5.95 0.00	68.88 3.53 0.00	54.38 2.59 0.00	46.62 3.45 0.00	40.08 2.16 0.00
HUDSON___115KV_TB 4 355613	36.96 1.56 0.00	33.95 1.43 0.00	31.60 1.33 0.00	30.54 1.26 0.00	30.94 1.25 0.00	32.01 1.20 0.00	34.78 1.34 0.00	37.81 1.49 0.00	39.05 1.25 0.00	39.96 1.61 0.00	43.24 1.86 0.00	50.32 1.98 0.00	52.17 2.15 0.00	59.55 2.56 0.00	69.58 2.80 0.00	75.08 3.44 0.00	104.04 4.86 0.00	120.96 5.54 0.00	105.80 5.04 0.00	85.69 4.16 0.00	68.29 2.94 0.00	54.64 2.85 0.00	45.63 2.46 0.00	39.67 1.74 0.00
HUNTER MOUNT___DRP 323613	37.32 1.91 0.00	34.28 1.76 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.24 1.54 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.10 1.78 0.00	39.31 1.51 0.00	40.23 1.88 0.00	43.45 2.07 0.00	50.57 2.22 0.00	52.57 2.55 0.00	60.06 3.08 0.00	70.04 3.27 0.00	75.65 4.01 0.00	104.93 5.75 0.00	122.00 6.58 0.00	106.81 6.05 0.00	86.42 4.89 0.00	68.82 3.46 0.00	55.37 3.57 0.00	46.06 2.89 0.00	40.05 2.12 0.00
HUNTINGTON_RES_REC 323705	39.33 2.69 -1.23	35.37 2.83 -0.02	33.66 2.69 -0.70	32.22 2.49 -0.46	33.00 2.52 -0.79	33.38 2.56 -0.01	36.97 2.88 -0.65	39.41 3.09 0.00	40.58 3.71 0.93	40.72 3.87 1.50	62.24 3.35 -17.50	52.06 3.72 0.00	172.97 4.45 -118.50	326.26 5.02 -264.26	275.85 6.14 -202.94	637.72 6.81 -559.27	580.36 10.01 -471.17	548.47 10.97 -422.07	578.21 9.77 -467.68	559.44 8.23 -469.68	769.40 5.16 -698.89	257.44 4.09 -201.55	212.36 3.93 -165.27	50.58 2.77 -9.89
HUNTLEY___63 23557	34.56 -0.85 0.00	31.87 -0.65 0.00	29.45 -0.82 0.00	28.34 -0.94 0.00	28.95 -0.74 0.00	30.20 -0.62 0.00	33.01 -0.43 0.00	35.70 -0.62 0.00	37.73 -0.08 0.00	37.89 -0.46 0.00	41.51 0.12 0.00	48.44 0.10 0.00	49.77 -0.25 0.00	57.33 0.34 0.00	67.37 0.60 0.00	70.78 -0.86 0.00	98.19 -0.99 0.00	113.23 -2.19 0.00	99.25 -1.51 0.00	80.14 -1.39 0.00	65.48 0.13 0.00	52.10 0.31 0.00	41.74 -1.42 0.00	37.70 -0.23 0.00
HUNTLEY___64 23558	34.56 -0.85 0.00	31.87 -0.65 0.00	29.45 -0.82 0.00	28.34 -0.94 0.00	28.95 -0.74 0.00	30.20 -0.62 0.00	33.01 -0.43 0.00	35.70 -0.62 0.00	37.73 -0.08 0.00	37.89 -0.46 0.00	41.51 0.12 0.00	48.44 0.10 0.00	49.77 -0.25 0.00	57.33 0.34 0.00	67.37 0.60 0.00	70.78 -0.86 0.00	98.19 -0.99 0.00	113.23 -2.19 0.00	99.25 -1.51 0.00	80.14 -1.39 0.00	65.48 0.13 0.00	52.10 0.31 0.00	41.74 -1.42 0.00	37.70 -0.23 0.00
HUNTLEY___65 23559	34.56 -0.85 0.00	31.87 -0.65 0.00	29.45 -0.82 0.00	28.34 -0.94 0.00	28.95 -0.74 0.00	30.20 -0.62 0.00	33.01 -0.43 0.00	35.70 -0.62 0.00	37.73 -0.08 0.00	37.89 -0.46 0.00	41.51 0.12 0.00	48.44 0.10 0.00	49.77 -0.25 0.00	57.33 0.34 0.00	67.37 0.60 0.00	70.78 -0.86 0.00	98.19 -0.99 0.00	113.23 -2.19 0.00	99.25 -1.51 0.00	80.14 -1.39 0.00	65.48 0.13 0.00	52.10 0.31 0.00	41.74 -1.42 0.00	37.70 -0.23 0.00
HUNTLEY___66 23560	34.56 -0.85 0.00	31.87 -0.65 0.00	29.45 -0.82 0.00	28.34 -0.94 0.00	28.95 -0.74 0.00	30.20 -0.62 0.00	33.01 -0.43 0.00	35.70 -0.62 0.00	37.73 -0.08 0.00	37.89 -0.46 0.00	41.51 0.12 0.00	48.44 0.10 0.00	49.77 -0.25 0.00	57.33 0.34 0.00	67.37 0.60 0.00	70.78 -0.86 0.00	98.19 -0.99 0.00	113.23 -2.19 0.00	99.25 -1.51 0.00	80.14 -1.39 0.00	65.48 0.13 0.00	52.10 0.31 0.00	41.74 -1.42 0.00	37.70 -0.23 0.00
HUNTLEY___67 23561	34.45 -0.96 0.00	31.74 -0.78 0.00	29.36 -0.91 0.00	28.28 -1.00 0.00	28.86 -0.83 0.00	30.07 -0.74 0.00	32.91 -0.54 0.00	35.56 -0.76 0.00	37.50 -0.30 0.00	37.70 -0.65 0.00	41.26 -0.12 0.00	48.29 -0.05 0.00	49.82 -0.20 0.00	57.27 0.28 0.00	67.37 0.60 0.00	70.78 -0.86 0.00	98.19 -0.99 0.00	113.23 -2.19 0.00	99.35 -1.41 0.00	80.22 -1.30 0.00	65.55 0.20 0.00	52.21 0.41 0.00	41.74 -1.42 0.00	37.58 -0.34 0.00
HUNTLEY___68 23562	34.45 -0.96 0.00	31.74 -0.78 0.00	29.36 -0.91 0.00	28.28 -1.00 0.00	28.86 -0.83 0.00	30.07 -0.74 0.00	32.91 -0.54 0.00	35.56 -0.76 0.00	37.50 -0.30 0.00	37.70 -0.65 0.00	41.26 -0.12 0.00	48.29 -0.05 0.00	49.82 -0.20 0.00	57.27 0.28 0.00	67.37 0.60 0.00	70.78 -0.86 0.00	98.19 -0.99 0.00	113.23 -2.19 0.00	99.35 -1.41 0.00	80.22 -1.30 0.00	65.55 0.20 0.00	52.21 0.41 0.00	41.74 -1.42 0.00	37.58 -0.34 0.00
HYLAND___LFGE 323620	37.57 2.16 0.00	33.66 1.14 0.00	31.05 0.79 0.00	29.89 0.62 0.00	30.40 0.71 0.00	31.83 1.02 0.00	34.91 1.47 0.00	37.92 1.60 0.00	39.73 1.93 0.00	40.07 1.73 0.00	43.41 2.03 0.00	50.61 2.27 0.00	52.37 2.35 0.00	57.56 0.57 0.00	67.90 1.13 0.00	72.28 0.64 0.00	100.46 1.29 0.00	116.92 1.50 0.00	103.49 2.72 0.00	83.81 2.28 0.00	68.75 3.40 0.00	56.81 5.02 0.00	45.97 2.80 0.00	40.39 2.46 0.00
INDECK___CORINTH 23802	37.28 1.88 0.00	34.24 1.72 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.18 1.48 0.00	32.38 1.57 0.00	35.21 1.77 0.00	38.17 1.85 0.00	39.92 2.12 0.00	40.99 2.64 0.00	44.40 3.02 0.00	52.26 3.91 0.00	54.02 4.00 0.00	61.78 4.79 0.00	70.91 4.14 0.00	76.23 4.59 0.00	105.82 6.65 0.00	123.16 7.73 0.00	107.71 6.95 0.00	86.91 5.38 0.00	69.60 4.25 0.00	55.68 3.89 0.00	46.40 3.24 0.00	40.43 2.50 0.00
INDECK___ILION 23567	35.48 0.07 0.00	32.59 0.07 0.00	30.29 0.03 0.00	29.31 0.03 0.00	29.72 0.03 0.00	30.84 0.03 0.00	33.47 0.03 0.00	36.39 0.07 0.00	37.88 0.08 0.00	38.54 0.19 0.00	41.71 0.33 0.00	48.73 0.39 0.00	50.32 0.30 0.00	57.33 0.34 0.00	67.10 0.33 0.00	72.07 0.43 0.00	99.77 0.60 0.00	116.00 0.58 0.00	101.37 0.60 0.00	82.18 0.65 0.00	65.81 0.46 0.00	52.21 0.41 0.00	43.47 0.30 0.00	38.11 0.19 0.00
INDECK___OLEAN 23982	36.29 0.89 0.00	32.52 0.00 0.00	29.96 -0.30 0.00	28.87 -0.41 0.00	29.37 -0.33 0.00	30.63 -0.18 0.00	33.71 0.27 0.00	36.36 0.04 0.00	38.44 0.64 0.00	38.88 0.54 0.00	42.42 1.03 0.00	49.60 1.25 0.00	51.32 1.30 0.00	58.98 1.99 0.00	69.64 2.87 0.00	73.79 2.15 0.00	101.55 2.38 0.00	117.16 1.73 0.00	102.98 2.21 0.00	83.00 1.47 0.00	67.70 2.35 0.00	53.40 1.61 0.00	43.51 0.34 0.00	38.64 0.72 0.00



INDECK___OSWEGO 23783	35.27 -0.14 0.00	32.33 -0.19 0.00	29.99 -0.27 0.00	29.01 -0.26 0.00	29.42 -0.27 0.00	30.56 -0.25 0.00	33.24 -0.20 0.00	36.07 -0.25 0.00	37.61 -0.19 0.00	38.27 -0.08 0.00	41.42 0.04 0.00	48.44 0.10 0.00	50.12 0.10 0.00	56.73 0.23 0.49	66.25 0.27 0.79	70.84 0.14 0.94	97.54 0.10 1.74	115.31 -0.12 0.00	100.86 0.10 0.00	80.48 0.16 1.21	64.96 0.39 0.78	52.05 0.26 0.00	43.17 0.00 0.00	37.85 -0.08 0.00
INDECK___YERKES 23781	36.08 0.67 0.00	32.03 -0.49 0.00	29.54 -0.73 0.00	28.46 -0.82 0.00	28.95 -0.74 0.00	30.20 -0.62 0.00	33.07 -0.37 0.00	35.70 -0.62 0.00	37.76 -0.04 0.00	37.96 -0.38 0.00	41.55 0.17 0.00	48.49 0.15 0.00	49.77 -0.25 0.00	57.33 0.34 0.00	67.37 0.60 0.00	71.43 -0.21 0.00	98.19 -0.99 0.00	113.12 -2.31 0.00	99.56 -1.20 0.00	80.22 -1.31 0.00	65.94 0.59 0.00	52.10 0.31 0.00	42.56 -0.60 0.00	38.00 0.08 0.00
INDIAN POINT_GT_1 24139	36.86 1.45 0.00	33.92 1.40 0.00	31.63 1.36 0.00	30.54 1.26 0.00	30.91 1.22 0.00	32.01 1.20 0.00	34.78 1.34 0.00	38.06 1.74 0.00	39.62 1.81 0.00	40.65 2.30 0.00	44.28 2.90 0.00	51.58 3.24 0.00	53.12 3.10 0.00	60.41 3.42 0.00	70.98 4.21 0.00	76.44 4.80 0.00	106.42 7.24 0.00	122.93 7.50 0.00	107.51 6.75 0.00	86.91 5.38 0.00	68.75 3.40 0.00	54.38 2.59 0.00	46.23 3.06 0.00	39.86 1.93 0.00
INDIAN POINT_GT_2 23659	36.86 1.45 0.00	33.92 1.40 0.00	31.63 1.36 0.00	30.54 1.26 0.00	30.91 1.22 0.00	32.01 1.20 0.00	34.78 1.34 0.00	38.06 1.74 0.00	39.62 1.81 0.00	40.65 2.30 0.00	44.28 2.90 0.00	51.58 3.24 0.00	53.12 3.10 0.00	60.41 3.42 0.00	70.98 4.21 0.00	76.44 4.80 0.00	106.42 7.24 0.00	122.93 7.50 0.00	107.51 6.75 0.00	86.91 5.38 0.00	68.75 3.40 0.00	54.38 2.59 0.00	46.23 3.06 0.00	39.86 1.93 0.00
INDIAN POINT_GT_3 24019	36.86 1.45 0.00	33.92 1.40 0.00	31.63 1.36 0.00	30.54 1.26 0.00	30.91 1.22 0.00	32.01 1.20 0.00	34.78 1.34 0.00	38.06 1.74 0.00	39.62 1.81 0.00	40.65 2.30 0.00	44.28 2.90 0.00	51.58 3.24 0.00	53.12 3.10 0.00	60.41 3.42 0.00	70.98 4.21 0.00	76.44 4.80 0.00	106.42 7.24 0.00	122.93 7.50 0.00	107.51 6.75 0.00	86.91 5.38 0.00	68.75 3.40 0.00	54.38 2.59 0.00	46.23 3.06 0.00	39.86 1.93 0.00
INDIAN POINT___2 23530	36.68 1.27 0.00	33.95 1.43 0.00	31.66 1.39 0.00	30.56 1.29 0.00	30.97 1.28 0.00	32.05 1.23 0.00	34.81 1.37 0.00	37.99 1.67 0.00	39.80 2.00 0.00	40.88 2.53 0.00	44.11 2.73 0.00	51.39 3.05 0.00	52.97 2.95 0.00	60.23 3.25 0.00	70.78 4.01 0.00	76.08 4.44 0.00	106.12 6.94 0.00	122.58 7.16 0.00	107.12 6.35 0.00	86.67 5.14 0.00	68.36 3.01 0.00	54.23 2.43 0.00	46.10 2.94 0.00	39.86 1.93 0.00
INDIAN POINT___3 23531	36.79 1.38 0.00	33.85 1.33 0.00	31.57 1.30 0.00	30.48 1.20 0.00	30.85 1.16 0.00	31.92 1.11 0.00	34.68 1.24 0.00	37.96 1.63 0.00	39.50 1.70 0.00	40.53 2.19 0.00	44.15 2.77 0.00	51.44 3.09 0.00	52.97 2.95 0.00	60.18 3.19 0.00	70.71 3.94 0.00	76.23 4.58 0.00	106.12 6.94 0.00	122.58 7.16 0.00	107.11 6.35 0.00	86.66 5.14 0.00	68.55 3.20 0.00	54.23 2.43 0.00	46.10 2.94 0.00	39.74 1.82 0.00
INGHAM_C_115KV_TB7 356103	35.12 -0.28 0.00	32.29 -0.23 0.00	30.02 -0.24 0.00	29.01 -0.26 0.00	29.45 -0.24 0.00	30.54 -0.28 0.00	33.17 -0.27 0.00	36.10 -0.22 0.00	37.54 -0.26 0.00	38.23 -0.12 0.00	41.38 0.00 0.00	48.34 0.00 0.00	49.87 -0.15 0.00	56.82 -0.17 0.00	66.44 -0.33 0.00	71.35 -0.29 0.00	98.88 -0.30 0.00	114.96 -0.46 0.00	100.36 -0.40 0.00	81.36 -0.16 0.00	65.22 -0.13 0.00	51.79 0.00 0.00	43.12 -0.04 0.00	37.85 -0.08 0.00
IP CORINTH___1 23988	37.50 2.09 0.00	34.38 1.85 0.00	31.96 1.69 0.00	30.83 1.55 0.00	31.26 1.57 0.00	32.48 1.66 0.00	35.35 1.91 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	52.50 4.16 0.00	54.32 4.30 0.00	62.06 5.07 0.00	71.31 4.54 0.00	76.73 5.09 0.00	106.42 7.24 0.00	123.85 8.43 0.00	108.32 7.56 0.00	87.40 5.87 0.00	69.99 4.64 0.00	55.99 4.20 0.00	46.62 3.45 0.00	40.58 2.65 0.00
IP___TICONDEROGA 23804	40.12 4.71 0.00	36.68 4.16 0.00	34.02 3.75 0.00	32.70 3.43 0.00	33.19 3.50 0.00	34.57 3.76 0.00	37.62 4.18 0.00	40.82 4.50 0.00	42.60 4.80 0.00	43.95 5.60 0.00	48.04 6.66 0.00	57.04 8.70 0.00	58.77 8.75 0.00	67.47 10.49 0.00	77.45 10.68 0.00	83.10 11.46 0.00	115.44 16.27 0.00	134.58 19.16 0.00	117.59 16.83 0.00	94.33 12.80 0.00	76.13 10.78 0.00	60.91 9.12 0.00	49.86 6.69 0.00	43.50 5.57 0.00
ISLIP_RES_REC 323679	40.06 3.40 -1.26	35.92 3.38 -0.02	34.21 3.24 -0.70	32.75 3.02 -0.46	33.51 3.03 -0.79	33.90 3.08 -0.01	37.60 3.51 -0.65	40.13 3.81 0.00	44.25 4.46 -1.99	49.52 4.95 -6.22	52.46 4.47 -6.61	53.32 4.98 0.00	100.51 5.70 -44.79	166.12 6.38 -102.75	273.51 7.81 -198.93	306.05 8.52 -225.89	301.79 12.40 -190.22	293.23 13.50 -164.31	293.07 11.88 -180.42	253.92 9.78 -162.61	320.99 6.41 -249.23	118.18 5.13 -61.26	110.50 4.88 -62.46	45.30 3.64 -3.73
JAMAICA___27_KV_LOAD 355505	37.25 1.84 0.00	34.31 1.79 0.00	31.99 1.73 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.38 1.57 0.00	35.28 1.84 0.00	38.72 2.40 0.00	40.33 2.53 0.00	41.45 3.11 0.00	44.98 3.60 0.00	52.31 3.96 0.00	53.52 3.50 0.00	60.98 3.99 0.00	71.85 5.07 0.00	77.37 5.73 0.00	108.30 9.12 0.00	124.77 9.35 0.00	109.23 8.46 0.00	88.29 6.77 0.00	69.27 3.92 0.00	54.59 2.80 0.00	47.05 3.88 0.00	40.35 2.43 0.00
JANIS___SOLAR 323808	37.96 2.55 0.00	34.57 2.05 0.00	31.81 1.54 0.00	30.74 1.46 0.00	31.23 1.54 0.00	32.57 1.76 0.00	35.52 2.07 0.00	38.57 2.25 0.00	40.11 2.31 0.00	40.76 2.42 0.00	44.03 2.65 0.00	51.44 3.10 0.00	53.27 3.25 0.00	60.98 3.99 0.00	71.78 5.01 0.00	77.30 5.66 0.00	107.11 7.94 0.00	125.35 9.93 0.00	110.23 9.47 0.00	89.60 8.07 0.00	72.08 6.73 0.00	56.97 5.18 0.00	46.71 3.54 0.00	40.88 2.96 0.00
JARVIS____ 23743	35.55 0.14 0.00	32.65 0.13 0.00	30.39 0.12 0.00	29.40 0.12 0.00	29.81 0.12 0.00	30.94 0.12 0.00	33.58 0.13 0.00	36.47 0.15 0.00	37.99 0.19 0.00	38.62 0.27 0.00	41.71 0.33 0.00	48.73 0.38 0.00	50.37 0.35 0.00	57.07 0.40 0.31	66.73 0.47 0.51	71.54 0.51 0.61	98.74 0.70 1.14	116.12 0.70 0.00	101.47 0.71 0.00	81.39 0.65 0.79	65.30 0.46 0.51	52.20 0.41 0.00	43.51 0.34 0.00	38.15 0.23 0.00
JENNISON___1 23625	37.78 2.37 0.00	34.64 2.11 0.00	31.90 1.63 0.00	30.86 1.58 0.00	31.38 1.69 0.00	32.63 1.82 0.00	35.48 2.04 0.00	38.61 2.29 0.00	39.99 2.19 0.00	40.80 2.45 0.00	44.44 3.06 0.00	51.97 3.63 0.00	53.77 3.75 0.00	61.43 4.45 0.00	72.11 5.34 0.00	77.37 5.73 0.00	107.31 8.13 0.00	125.58 10.16 0.00	110.24 9.47 0.00	89.76 8.23 0.00	71.82 6.47 0.00	56.92 5.13 0.00	46.62 3.45 0.00	40.84 2.92 0.00



JENNISON____2 23626	37.78 2.37 0.00	34.64 2.11 0.00	31.90 1.63 0.00	30.86 1.58 0.00	31.38 1.69 0.00	32.63 1.82 0.00	35.48 2.04 0.00	38.61 2.29 0.00	39.99 2.19 0.00	40.80 2.45 0.00	44.44 3.06 0.00	51.97 3.63 0.00	53.77 3.75 0.00	61.43 4.45 0.00	72.11 5.34 0.00	77.37 5.73 0.00	107.31 8.13 0.00	125.58 10.16 0.00	110.24 9.47 0.00	89.76 8.23 0.00	71.82 6.47 0.00	56.92 5.13 0.00	46.62 3.45 0.00	40.84 2.92 0.00
JERICHO_RISE_WT_PWR 323719	34.80 -0.60 0.00	32.00 -0.52 0.00	29.90 -0.36 0.00	28.99 -0.29 0.00	29.39 -0.30 0.00	30.60 -0.21 0.00	33.04 -0.40 0.00	35.85 -0.47 0.00	37.12 -0.68 0.00	37.31 -1.03 0.00	39.97 -1.41 0.00	46.70 -1.64 0.00	48.37 -1.65 0.00	54.05 -1.88 1.06	62.85 -2.20 1.72	67.29 -2.30 2.05	91.45 -3.87 3.85	112.19 -3.23 0.00	97.34 -3.43 0.00	75.66 -3.18 2.69	61.46 -2.15 1.73	49.88 -1.92 0.00	41.31 -1.85 0.00	36.82 -1.10 0.00
KATONAH__115KV_46KV_TB4 355592	37.35 1.95 0.00	34.34 1.82 0.00	31.99 1.73 0.00	30.89 1.61 0.00	31.24 1.54 0.00	32.41 1.60 0.00	35.28 1.84 0.00	38.65 2.32 0.00	40.22 2.42 0.00	41.30 2.95 0.00	45.06 3.68 0.00	52.50 4.16 0.00	54.17 4.15 0.00	61.66 4.67 0.00	72.18 5.41 0.00	77.87 6.23 0.00	108.30 9.12 0.00	125.35 9.93 0.00	109.43 8.67 0.00	88.38 6.85 0.00	70.12 4.77 0.00	55.62 3.83 0.00	46.96 3.80 0.00	40.46 2.54 0.00
KCE_NY_1 323755	37.42 2.02 0.00	34.41 1.89 0.00	32.05 1.79 0.00	30.95 1.67 0.00	31.38 1.69 0.00	32.57 1.76 0.00	35.35 1.91 0.00	38.35 2.03 0.00	40.07 2.27 0.00	41.07 2.72 0.00	44.49 3.11 0.00	52.16 3.82 0.00	53.92 3.90 0.00	61.55 4.56 0.00	71.58 4.81 0.00	76.94 5.30 0.00	106.81 7.64 0.00	124.08 8.66 0.00	108.63 7.86 0.00	87.81 6.28 0.00	70.19 4.84 0.00	55.83 4.04 0.00	46.57 3.41 0.00	40.62 2.69 0.00
KCE_NY_6_ESR 323823	36.40 0.99 0.00	32.39 -0.13 0.00	29.87 -0.39 0.00	28.78 -0.50 0.00	29.28 -0.42 0.00	30.53 -0.28 0.00	33.51 0.07 0.00	36.18 -0.14 0.00	38.22 0.42 0.00	38.46 0.12 0.00	42.08 0.70 0.00	49.26 0.92 0.00	50.82 0.80 0.00	58.47 1.48 0.00	68.77 2.00 0.00	72.93 1.29 0.00	100.27 1.09 0.00	115.66 0.23 0.00	101.77 1.01 0.00	82.02 0.49 0.00	67.31 1.96 0.00	53.14 1.34 0.00	43.21 0.04 0.00	38.49 0.57 0.00
KEDC_PORT_JEFF_GT2 24210	39.60 2.94 -1.26	35.53 2.99 -0.02	33.84 2.88 -0.70	32.40 2.66 -0.46	33.15 2.67 -0.79	33.53 2.71 -0.01	37.17 3.07 -0.65	39.63 3.30 0.00	43.79 3.89 -2.10	48.28 4.22 -5.72	53.03 3.52 -8.13	52.01 3.67 0.00	109.46 4.35 -55.09	186.93 4.61 -125.33	330.69 5.74 -258.18	350.45 6.31 -272.50	338.10 9.43 -229.50	325.81 10.04 -200.35	330.31 8.96 -220.58	304.24 7.42 -215.29	391.77 4.57 -321.84	146.15 3.73 -90.62	123.83 3.84 -76.83	45.44 2.92 -4.59
KEDC_PORT_JEFF_GT3 24211	39.60 2.94 -1.26	35.53 2.99 -0.02	33.84 2.88 -0.70	32.40 2.66 -0.46	33.15 2.67 -0.79	33.53 2.71 -0.01	37.17 3.07 -0.65	39.63 3.30 0.00	43.79 3.89 -2.10	48.28 4.22 -5.72	53.03 3.52 -8.13	52.01 3.67 0.00	109.46 4.35 -55.09	186.93 4.61 -125.33	330.69 5.74 -258.18	350.45 6.31 -272.50	338.10 9.43 -229.50	325.81 10.04 -200.35	330.31 8.96 -220.58	304.24 7.42 -215.29	391.77 4.57 -321.84	146.15 3.73 -90.62	123.83 3.84 -76.83	45.44 2.92 -4.59
KEDC_GLWD_GT4 24219	38.81 2.16 -1.24	34.75 2.21 -0.02	33.05 2.09 -0.70	31.70 1.96 -0.46	32.44 1.96 -0.79	32.79 1.97 -0.01	36.26 2.17 -0.65	38.86 2.54 0.00	40.86 3.06 0.00	41.95 3.60 0.00	44.73 3.35 0.00	52.06 3.72 0.00	54.03 4.00 -0.01	66.00 4.39 -4.63	79.93 5.34 -7.81	100.93 5.94 -23.34	127.83 9.12 -19.53	132.71 9.57 -7.71	115.13 8.47 -5.90	88.31 6.76 -0.02	69.47 4.12 0.00	55.11 3.32 0.00	46.71 3.54 0.00	40.39 2.46 0.00
KEDC_GLWD_GT5 24220	38.81 2.16 -1.24	34.75 2.21 -0.02	33.05 2.09 -0.70	31.70 1.96 -0.46	32.44 1.96 -0.79	32.79 1.97 -0.01	36.26 2.17 -0.65	38.86 2.54 0.00	40.86 3.06 0.00	41.95 3.60 0.00	44.73 3.35 0.00	52.06 3.72 0.00	54.03 4.00 -0.01	66.00 4.39 -4.63	79.93 5.34 -7.81	100.93 5.94 -23.34	127.83 9.12 -19.53	132.71 9.57 -7.71	115.13 8.47 -5.90	88.31 6.76 -0.02	69.47 4.12 0.00	55.11 3.32 0.00	46.71 3.54 0.00	40.39 2.46 0.00
KENSICO____ 23655	36.96 1.56 0.00	34.02 1.50 0.00	31.75 1.48 0.00	30.62 1.35 0.00	31.00 1.31 0.00	32.11 1.29 0.00	34.88 1.44 0.00	38.17 1.85 0.00	39.77 1.97 0.00	40.80 2.45 0.00	44.49 3.10 0.00	51.77 3.43 0.00	53.32 3.30 0.00	60.58 3.59 0.00	71.18 4.41 0.00	76.73 5.09 0.00	106.81 7.64 0.00	123.39 7.96 0.00	107.82 7.05 0.00	87.23 5.71 0.00	68.95 3.59 0.00	54.48 2.69 0.00	46.36 3.19 0.00	39.97 2.05 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	36.89 1.49 0.00	33.95 1.43 0.00	31.60 1.33 0.00	30.54 1.26 0.00	30.94 1.25 0.00	31.92 1.11 0.00	34.64 1.20 0.00	38.39 2.07 0.00	39.81 2.00 0.00	40.72 2.38 0.00	44.44 3.06 0.00	51.87 3.53 0.00	53.17 3.15 0.00	60.58 3.59 0.00	71.24 4.47 0.00	77.16 5.52 0.00	108.10 8.93 0.00	124.54 9.12 0.00	108.93 8.16 0.00	88.05 6.52 0.00	70.06 4.71 0.00	55.37 3.57 0.00	46.75 3.58 0.00	40.27 2.35 0.00
KIAC_JFK_GT1 23816	36.93 1.52 0.00	34.12 1.59 0.00	31.84 1.57 0.00	30.68 1.41 0.00	31.06 1.37 0.00	32.20 1.39 0.00	35.08 1.64 0.00	38.35 2.03 0.00	39.99 2.19 0.00	41.07 2.72 0.00	44.57 3.19 0.00	51.82 3.48 0.00	53.02 3.00 0.00	60.35 3.36 0.00	71.11 4.34 0.00	76.58 4.94 0.00	107.11 7.93 0.00	123.50 8.08 0.00	108.12 7.36 0.00	87.40 5.87 0.00	68.55 3.20 0.00	54.07 2.28 0.00	46.62 3.45 0.00	39.97 2.05 0.00
KIAC_JFK_GT2 23817	36.93 1.52 0.00	34.12 1.59 0.00	31.84 1.57 0.00	30.68 1.41 0.00	31.06 1.37 0.00	32.20 1.39 0.00	35.08 1.64 0.00	38.35 2.03 0.00	39.99 2.19 0.00	41.07 2.72 0.00	44.57 3.19 0.00	51.82 3.48 0.00	53.02 3.00 0.00	60.35 3.36 0.00	71.11 4.34 0.00	76.58 4.94 0.00	107.11 7.93 0.00	123.50 8.08 0.00	108.12 7.36 0.00	87.40 5.87 0.00	68.55 3.20 0.00	54.07 2.28 0.00	46.62 3.45 0.00	39.97 2.05 0.00
KIAC_JFK____ 323774	36.82 1.42 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.18 1.48 0.00	32.32 1.51 0.00	35.21 1.77 0.00	38.43 2.11 0.00	40.34 2.53 0.00	41.42 3.07 0.00	44.53 3.14 0.00	51.72 3.38 0.00	53.02 3.00 0.00	60.35 3.36 0.00	71.11 4.34 0.00	76.51 4.87 0.00	107.11 7.94 0.00	123.62 8.20 0.00	108.02 7.26 0.00	87.40 5.87 0.00	68.42 3.07 0.00	54.12 2.33 0.00	46.62 3.45 0.00	40.08 2.16 0.00
KINTIGH____ 23543	34.27 -1.13 0.00	31.55 -0.98 0.00	29.20 -1.06 0.00	28.17 -1.11 0.00	28.71 -0.98 0.00	29.92 -0.89 0.00	32.67 -0.77 0.00	35.38 -0.94 0.00	37.20 -0.60 0.00	37.43 -0.92 0.00	40.89 -0.50 0.00	47.86 -0.48 0.00	49.42 -0.60 0.00	56.76 -0.23 0.00	66.70 -0.07 0.00	70.28 -1.36 0.00	97.49 -1.69 0.00	112.65 -2.77 0.00	98.85 -1.91 0.00	79.90 -1.63 0.00	65.16 -0.20 0.00	51.84 0.05 0.00	41.61 -1.55 0.00	37.28 -0.64 0.00



KNTFSRNC_46_KV_46KV_LOAD 80397	35.16 -0.25 0.00	32.29 -0.23 0.00	30.29 0.03 0.00	29.34 0.06 0.00	29.78 0.09 0.00	31.03 0.22 0.00	33.37 -0.07 0.00	36.25 -0.07 0.00	37.69 -0.11 0.00	37.93 -0.42 0.00	40.39 -0.99 0.00	47.18 -1.16 0.00	48.87 -1.15 0.00	55.73 -1.25 0.00	65.30 -1.47 0.00	70.28 -1.36 0.00	96.30 -2.88 0.00	113.35 -2.08 0.00	98.35 -2.42 0.00	79.16 -2.36 0.00	64.18 -1.18 0.00	50.50 -1.29 0.00	42.04 -1.12 0.00	37.32 -0.61 0.00
LACHUTE___HYDRO 323717	40.18 4.78 0.00	36.75 4.23 0.00	34.08 3.81 0.00	32.76 3.48 0.00	33.25 3.56 0.00	34.63 3.82 0.00	37.69 4.25 0.00	40.82 4.50 0.00	42.79 4.99 0.00	44.14 5.79 0.00	48.05 6.66 0.00	57.04 8.70 0.00	58.77 8.75 0.00	67.47 10.49 0.00	77.45 10.68 0.00	83.10 11.46 0.00	115.44 16.27 0.00	134.46 19.04 0.00	117.59 16.83 0.00	94.33 12.80 0.00	76.13 10.78 0.00	60.91 9.12 0.00	49.98 6.82 0.00	43.61 5.69 0.00
LAWRNCV_115KV_TB1 80681	34.17 -1.24 0.00	31.32 -1.20 0.00	29.14 -1.12 0.00	28.22 -1.05 0.00	28.62 -1.07 0.00	29.80 -1.02 0.00	32.24 -1.20 0.00	35.09 -1.23 0.00	36.44 -1.36 0.00	36.74 -1.61 0.00	38.44 -2.94 0.00	44.96 -3.38 0.00	46.62 -3.40 0.00	53.23 -3.76 0.00	62.30 -4.47 0.00	67.06 -4.58 0.00	92.04 -7.14 0.00	110.11 -5.31 0.00	95.02 -5.74 0.00	75.90 -5.63 0.00	61.17 -4.18 0.00	48.32 -3.47 0.00	40.83 -2.33 0.00	36.37 -1.55 0.00
LEDERLE___ 23769	36.86 1.45 0.00	33.92 1.40 0.00	31.63 1.36 0.00	30.54 1.26 0.00	30.91 1.22 0.00	31.95 1.14 0.00	34.71 1.27 0.00	38.03 1.71 0.00	39.54 1.74 0.00	40.57 2.22 0.00	44.24 2.86 0.00	51.58 3.24 0.00	53.17 3.15 0.00	60.46 3.48 0.00	71.04 4.27 0.00	76.51 4.87 0.00	106.62 7.44 0.00	123.04 7.62 0.00	107.62 6.85 0.00	86.99 5.46 0.00	68.75 3.40 0.00	54.38 2.59 0.00	46.19 3.02 0.00	39.82 1.90 0.00
LIGHTHSE_115KV_TB6 355974	35.65 0.25 0.00	32.68 0.16 0.00	30.26 0.00 0.00	29.28 0.00 0.00	29.72 0.03 0.00	30.90 0.09 0.00	33.64 0.20 0.00	36.47 0.15 0.00	37.95 0.15 0.00	38.62 0.27 0.00	41.84 0.46 0.00	48.97 0.63 0.00	50.67 0.65 0.00	57.96 0.97 0.00	67.77 1.00 0.00	72.50 0.86 0.00	100.37 1.19 0.00	116.81 1.39 0.00	102.17 1.41 0.00	82.83 1.30 0.00	66.46 1.11 0.00	52.78 0.98 0.00	43.55 0.39 0.00	38.23 0.30 0.00
LINDEN COGEN___ 23786	35.41 1.35 1.35	34.05 1.53 0.00	31.75 1.48 0.00	30.63 1.35 0.00	31.00 1.30 0.00	32.11 1.29 0.00	34.91 1.47 0.00	35.40 1.85 2.77	35.36 2.23 4.68	35.64 2.76 5.47	36.05 2.98 8.32	38.33 3.29 13.30	38.33 3.05 14.74	38.81 3.25 21.42	40.71 4.14 30.20	40.72 4.59 35.51	66.53 7.34 39.98	68.97 7.50 53.95	55.55 6.65 51.86	40.55 5.30 46.27	38.55 2.87 29.67	38.51 2.28 15.56	37.82 3.11 8.46	35.80 2.01 4.14
LINDHRST_69_KV_BK1 356055	39.63 2.97 -1.25	35.33 2.80 -0.02	33.63 2.66 -0.70	32.23 2.49 -0.46	32.97 2.49 -0.79	33.34 2.53 0.00	36.93 2.84 -0.65	39.41 3.09 0.00	41.09 2.80 -0.49	43.81 3.49 -1.98	46.08 4.10 -0.60	52.64 4.30 0.00	58.96 4.90 -4.04	75.95 5.47 -13.49	100.07 6.74 -26.56	120.87 7.59 -41.63	145.43 11.31 -34.95	149.40 12.12 -21.85	133.20 10.78 -21.66	99.66 8.64 -9.49	94.96 5.62 -23.99	63.21 4.40 -7.02	53.21 4.40 -5.64	41.33 3.07 -0.34
LIPA_MISC_IPP 23656	39.85 3.19 -1.25	35.53 2.99 -0.02	33.84 2.88 -0.70	32.40 2.66 -0.46	33.15 2.67 -0.79	33.49 2.68 0.00	37.14 3.04 -0.65	39.55 3.23 0.00	42.56 2.84 -1.92	44.44 3.53 -2.56	52.32 4.10 -6.84	52.74 4.40 0.00	101.35 5.00 -46.33	168.71 5.58 -106.14	342.96 6.74 -269.44	311.98 7.45 -232.89	305.81 10.51 -196.12	296.46 11.31 -169.72	297.29 10.08 -186.45	247.79 8.72 -157.54	392.97 5.88 -321.74	183.63 4.56 -127.28	112.31 4.53 -64.61	44.93 3.15 -3.86
LISF___SOLAR 323691	39.81 3.15 -1.25	35.69 3.15 -0.02	33.99 3.03 -0.70	32.55 2.81 -0.46	33.30 2.82 -0.79	33.69 2.87 -0.01	37.33 3.24 -0.65	39.81 3.49 0.00	43.79 4.05 -1.94	48.59 4.52 -5.72	52.33 4.01 -6.94	52.79 4.44 0.00	102.21 5.20 -46.99	170.37 5.82 -107.57	370.10 7.01 -296.32	315.08 7.59 -235.85	308.80 11.01 -198.61	299.33 11.89 -172.01	300.44 10.68 -189.00	349.17 9.05 -258.59	420.83 6.01 -349.47	208.87 4.82 -152.26	113.31 4.62 -65.53	45.25 3.41 -3.92
LITTLE FALLS___HYD 24013	35.12 -0.28 0.00	32.29 -0.23 0.00	30.02 -0.24 0.00	29.01 -0.26 0.00	29.45 -0.24 0.00	30.54 -0.28 0.00	33.17 -0.27 0.00	36.10 -0.22 0.00	37.54 -0.26 0.00	38.23 -0.12 0.00	41.38 0.00 0.00	48.34 0.00 0.00	49.87 -0.15 0.00	56.82 -0.17 0.00	66.44 -0.33 0.00	71.35 -0.29 0.00	98.88 -0.30 0.00	114.96 -0.46 0.00	100.36 -0.40 0.00	81.36 -0.16 0.00	65.22 -0.13 0.00	51.79 0.00 0.00	43.12 -0.04 0.00	37.85 -0.08 0.00
LITTLRIV_115KV_TB1 356100	34.45 -0.96 0.00	31.58 -0.94 0.00	29.36 -0.91 0.00	28.43 -0.85 0.00	28.86 -0.83 0.00	30.04 -0.77 0.00	32.54 -0.90 0.00	35.41 -0.91 0.00	36.78 -1.02 0.00	37.08 -1.27 0.00	38.86 -2.52 0.00	45.44 -2.90 0.00	47.17 -2.85 0.00	53.85 -3.13 0.00	63.10 -3.67 0.00	67.92 -3.73 0.00	93.23 -5.95 0.00	111.50 -3.92 0.00	96.13 -4.64 0.00	76.96 -4.57 0.00	61.95 -3.40 0.00	48.94 -2.85 0.00	41.27 -1.90 0.00	36.71 -1.21 0.00
LI_NEWBRDGE___DRP 323616	38.78 2.12 -1.24	34.59 2.05 -0.02	32.93 1.97 -0.70	31.55 1.82 -0.46	32.29 1.81 -0.79	32.66 1.85 0.00	36.10 2.01 -0.65	38.57 2.25 0.00	39.69 1.89 0.00	40.92 2.57 0.00	44.49 3.10 0.00	51.63 3.29 0.00	53.77 3.75 0.00	65.60 3.99 -4.63	79.46 4.87 -7.81	100.57 5.59 -23.34	127.04 8.33 -19.53	131.91 8.77 -7.71	114.42 7.76 -5.90	87.90 6.36 -0.02	69.27 3.92 0.00	54.90 3.11 0.00	46.66 3.50 0.00	40.12 2.20 0.00
LOCKPORT_115KV_TB60_63_64 80432	34.20 -1.20 0.00	31.51 -1.01 0.00	29.14 -1.12 0.00	28.08 -1.20 0.00	28.65 -1.04 0.00	29.89 -0.92 0.00	32.71 -0.74 0.00	35.34 -0.98 0.00	37.27 -0.53 0.00	37.43 -0.92 0.00	40.97 -0.41 0.00	47.91 -0.44 0.00	49.42 -0.60 0.00	56.93 -0.06 0.00	66.90 0.13 0.00	70.28 -1.36 0.00	97.49 -1.69 0.00	112.54 -2.89 0.00	98.75 -2.02 0.00	79.73 -1.79 0.00	65.16 -0.20 0.00	51.90 0.10 0.00	41.44 -1.73 0.00	37.35 -0.57 0.00
LOCKPORT___CC1 323769	35.55 0.14 0.00	31.55 -0.97 0.00	29.11 -1.15 0.00	28.05 -1.23 0.00	28.53 -1.16 0.00	29.76 -1.05 0.00	32.61 -0.83 0.00	35.19 -1.13 0.00	37.12 -0.68 0.00	37.31 -1.03 0.00	40.80 -0.58 0.00	47.76 -0.58 0.00	49.22 -0.80 0.00	56.70 -0.28 0.00	66.57 -0.20 0.00	70.57 -1.07 0.00	96.99 -2.18 0.00	111.84 -3.58 0.00	98.45 -2.31 0.00	79.41 -2.12 0.00	65.35 0.00 0.00	51.69 -0.10 0.00	42.04 -1.12 0.00	37.47 -0.45 0.00
LOCKPORT___CC2 323770	35.55 0.14 0.00	31.55 -0.97 0.00	29.11 -1.15 0.00	28.05 -1.23 0.00	28.53 -1.16 0.00	29.76 -1.05 0.00	32.61 -0.83 0.00	35.19 -1.13 0.00	37.12 -0.68 0.00	37.31 -1.03 0.00	40.80 -0.58 0.00	47.76 -0.58 0.00	49.22 -0.80 0.00	56.70 -0.28 0.00	66.57 -0.20 0.00	70.57 -1.07 0.00	96.99 -2.18 0.00	111.84 -3.58 0.00	98.45 -2.31 0.00	79.41 -2.12 0.00	65.35 0.00 0.00	51.69 -0.10 0.00	42.04 -1.12 0.00	37.47 -0.45 0.00



LOCKPORT__CC3 323771	35.55 0.14 0.00	31.55 -0.97 0.00	29.11 -1.15 0.00	28.05 -1.23 0.00	28.53 -1.16 0.00	29.76 -1.05 0.00	32.61 -0.83 0.00	35.19 -1.13 0.00	37.12 -0.68 0.00	37.31 -1.03 0.00	40.80 -0.58 0.00	47.76 -0.58 0.00	49.22 -0.80 0.00	56.70 -0.28 0.00	66.57 -0.20 0.00	70.57 -1.07 0.00	96.99 -2.18 0.00	111.84 -3.58 0.00	98.45 -2.31 0.00	79.41 -2.12 0.00	65.35 0.00 0.00	51.69 -0.10 0.00	42.04 -1.12 0.00	37.47 -0.45 0.00
LONG_LAKE_PHOENIX 24014	35.44 0.04 0.00	32.55 0.03 0.00	30.17 -0.09 0.00	29.19 -0.09 0.00	29.63 -0.06 0.00	30.78 -0.03 0.00	33.51 0.07 0.00	36.28 -0.04 0.00	37.80 0.00 0.00	38.46 0.12 0.00	41.71 0.33 0.00	48.83 0.48 0.00	50.57 0.55 0.00	57.67 0.68 0.00	67.57 0.80 0.00	72.29 0.64 0.00	100.07 0.89 0.00	116.23 0.81 0.00	101.67 0.91 0.00	82.34 0.82 0.00	66.20 0.85 0.00	52.46 0.67 0.00	43.29 0.13 0.00	38.00 0.08 0.00
LOVETT__3 23632	36.65 1.24 0.00	33.72 1.20 0.00	31.47 1.21 0.00	30.39 1.11 0.00	30.76 1.07 0.00	31.83 1.02 0.00	34.54 1.10 0.00	37.81 1.49 0.00	39.35 1.55 0.00	40.38 2.03 0.00	43.99 2.61 0.00	51.24 2.90 0.00	52.82 2.80 0.00	60.01 3.02 0.00	70.51 3.74 0.00	76.01 4.37 0.00	105.82 6.64 0.00	122.23 6.81 0.00	106.81 6.05 0.00	86.42 4.89 0.00	68.29 2.94 0.00	54.02 2.23 0.00	45.93 2.76 0.00	39.63 1.71 0.00
LOVETT__4 23642	36.65 1.24 0.00	33.72 1.20 0.00	31.47 1.21 0.00	30.39 1.11 0.00	30.76 1.07 0.00	31.83 1.02 0.00	34.54 1.10 0.00	37.81 1.49 0.00	39.35 1.55 0.00	40.38 2.03 0.00	43.99 2.61 0.00	51.24 2.90 0.00	52.82 2.80 0.00	60.01 3.02 0.00	70.51 3.74 0.00	76.01 4.37 0.00	105.82 6.64 0.00	122.23 6.81 0.00	106.81 6.05 0.00	86.42 4.89 0.00	68.29 2.94 0.00	54.02 2.23 0.00	45.93 2.76 0.00	39.63 1.71 0.00
LOVETT__5 23593	36.65 1.24 0.00	33.72 1.20 0.00	31.47 1.21 0.00	30.39 1.11 0.00	30.76 1.07 0.00	31.83 1.02 0.00	34.54 1.10 0.00	37.81 1.49 0.00	39.35 1.55 0.00	40.38 2.03 0.00	43.99 2.61 0.00	51.24 2.90 0.00	52.82 2.80 0.00	60.01 3.02 0.00	70.51 3.74 0.00	76.01 4.37 0.00	105.82 6.64 0.00	122.23 6.81 0.00	106.81 6.05 0.00	86.42 4.89 0.00	68.29 2.94 0.00	54.02 2.23 0.00	45.93 2.76 0.00	39.63 1.71 0.00
LOWER RAQUET__HYD 24057	33.92 -1.49 0.00	31.12 -1.40 0.00	28.96 -1.30 0.00	28.05 -1.23 0.00	28.47 -1.22 0.00	29.64 -1.17 0.00	32.10 -1.34 0.00	34.90 -1.42 0.00	36.06 -1.74 0.00	36.28 -2.07 0.00	38.28 -3.10 0.00	44.72 -3.63 0.00	46.37 -3.65 10.65	42.35 -3.99 17.24	44.79 -4.74 20.57	46.13 -4.94 38.65	52.99 -7.54 0.00	109.66 -6.25 0.00	94.52 -5.87 26.95	48.71 -4.45 17.37	43.53 -3.68 0.00	48.12 -3.41 0.00	39.75 -1.93 0.00	35.99 -1.93 0.00
LOWER__HUDSON 24059	36.61 1.20 0.00	33.73 1.20 0.00	31.48 1.21 0.00	30.39 1.11 0.00	30.82 1.13 0.00	31.95 1.14 0.00	34.68 1.24 0.00	37.63 1.31 0.00	39.32 1.51 0.00	40.23 1.88 0.00	43.53 2.15 0.00	50.85 2.51 0.00	52.57 2.55 0.00	59.84 2.85 0.00	69.98 3.20 0.00	75.36 3.72 0.00	104.43 5.25 0.00	121.19 5.77 0.00	106.10 5.34 0.00	86.01 4.48 0.00	68.55 3.20 0.00	54.38 2.59 0.00	45.62 2.46 0.00	39.71 1.78 0.00
LOWVILLE_115KV_TB2 356335	35.83 0.42 0.00	32.81 0.29 0.00	30.35 0.09 0.00	29.37 0.09 0.00	29.84 0.15 0.00	31.06 0.25 0.00	33.74 0.30 0.00	36.68 0.36 0.00	38.10 0.30 0.00	38.73 0.38 0.00	41.67 0.29 0.00	48.78 0.44 0.00	50.47 0.45 0.00	57.79 0.80 0.00	67.71 0.93 0.00	72.79 1.15 0.00	100.86 1.69 0.00	118.08 2.65 0.00	103.08 2.32 0.00	83.57 2.04 0.00	66.79 1.44 0.00	52.98 1.19 0.00	43.73 0.56 0.00	38.45 0.53 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	37.39 1.98 0.00	34.31 1.79 0.00	31.96 1.69 0.00	30.86 1.58 0.00	31.26 1.57 0.00	32.48 1.66 0.00	35.28 1.84 0.00	38.28 1.96 0.00	39.84 2.04 0.00	40.84 2.49 0.00	44.44 3.06 0.00	52.11 3.77 0.00	53.87 3.85 0.00	61.49 4.50 0.00	71.51 4.74 0.00	76.94 5.30 0.00	106.71 7.54 0.00	123.97 8.54 0.00	108.52 7.76 0.00	87.72 6.20 0.00	70.19 4.84 0.00	55.78 3.99 0.00	46.49 3.32 0.00	40.50 2.58 0.00
LUTHERNY_35_KV_BK2 355980	37.42 2.02 0.00	34.34 1.82 0.00	31.99 1.73 0.00	30.89 1.61 0.00	31.29 1.60 0.00	32.48 1.66 0.00	35.28 1.84 0.00	38.32 2.00 0.00	39.88 2.08 0.00	40.88 2.53 0.00	44.44 3.06 0.00	52.16 3.82 0.00	53.92 3.90 0.00	61.55 4.56 0.00	71.58 4.81 0.00	77.01 5.37 0.00	106.81 7.64 0.00	124.08 8.66 0.00	108.62 7.86 0.00	87.81 6.28 0.00	70.25 4.90 0.00	55.83 4.04 0.00	46.53 3.37 0.00	40.54 2.62 0.00
LWR__OSWEGATCHIE_HYD 23850	34.80 -0.60 0.00	31.87 -0.65 0.00	29.57 -0.70 0.00	28.60 -0.67 0.00	29.04 -0.65 0.00	30.23 -0.59 0.00	32.81 -0.64 0.00	35.67 -0.65 0.00	37.05 -0.76 0.00	37.50 -0.84 0.00	39.81 -1.57 0.00	46.60 -1.74 0.00	48.17 -1.85 0.00	55.16 -1.82 0.00	64.57 -2.20 0.00	69.42 -2.22 0.00	95.81 -3.37 0.00	113.46 -1.96 0.00	98.45 -2.32 0.00	79.33 -2.20 0.00	63.59 -1.76 0.00	50.39 -1.40 0.00	42.04 -1.12 0.00	37.16 -0.76 0.00
LYONS_FALL_HYD 23570	36.04 0.64 0.00	32.98 0.46 0.00	30.54 0.27 0.00	29.54 0.26 0.00	29.99 0.30 0.00	31.21 0.40 0.00	33.91 0.47 0.00	36.87 0.55 0.00	38.37 0.57 0.00	39.04 0.69 0.00	42.13 0.75 0.00	49.26 0.92 0.00	50.97 0.95 2.07	56.23 1.31 3.34	64.96 1.54 3.99	69.44 1.79 7.48	94.18 2.48 0.00	118.65 3.23 0.00	103.58 2.82 0.00	78.84 2.53 5.22	63.81 1.83 3.36	53.29 1.50 0.00	43.94 0.78 0.00	38.64 0.72 0.00
MADISON__COUNTY_LFGE 323628	36.54 1.13 0.00	33.50 0.98 0.00	30.99 0.73 0.00	29.98 0.70 0.00	30.43 0.74 0.00	31.64 0.83 0.00	34.41 0.97 0.00	37.37 1.05 0.00	38.94 1.13 0.00	39.69 1.34 0.00	43.04 1.66 0.00	50.37 2.03 0.00	52.17 2.15 0.00	59.61 2.62 0.00	69.84 3.07 0.00	74.94 3.30 0.00	103.74 4.56 0.00	120.39 4.96 0.00	105.30 4.53 0.00	85.52 3.99 0.00	68.36 3.01 0.00	54.23 2.43 0.00	44.68 1.51 0.00	39.25 1.33 0.00
MALONE__115KV_TB1 356076	34.98 -0.42 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.04 -0.23 0.00	29.48 -0.21 0.00	30.69 -0.12 0.00	33.17 -0.27 0.00	36.07 -0.25 0.00	37.50 -0.30 0.00	37.77 -0.58 0.00	40.10 -1.28 0.00	46.80 -1.55 0.00	48.47 -1.55 0.00	55.28 -1.71 0.00	64.83 -1.94 0.00	69.71 -1.93 0.00	95.41 -3.77 0.00	112.77 -2.65 0.00	97.64 -3.12 0.00	78.51 -3.02 0.00	63.65 -1.70 0.00	50.08 -1.71 0.00	41.83 -1.34 0.00	37.16 -0.76 0.00
MAPLEWOD_115KV_TB3 80458	36.47 1.06 0.00	33.50 0.98 0.00	31.20 0.94 0.00	30.19 0.91 0.00	30.55 0.86 0.00	31.68 0.86 0.00	34.41 0.97 0.00	37.41 1.09 0.00	38.90 1.10 0.00	39.84 1.50 0.00	43.24 1.86 0.00	50.52 2.18 0.00	52.22 2.20 0.00	59.44 2.45 0.00	69.51 2.74 0.00	74.94 3.30 0.00	103.64 4.46 0.00	120.39 4.96 0.00	105.30 4.53 0.00	85.28 3.75 0.00	68.10 2.74 0.00	54.07 2.28 0.00	45.28 2.12 0.00	39.36 1.44 0.00



MAPLE_RIDGE_WT_1 323574	35.05 -0.35 0.00	32.20 -0.33 0.00	29.96 -0.30 0.00	29.01 -0.26 0.00	29.42 -0.27 0.00	30.56 -0.25 0.00	33.17 -0.27 0.00	36.07 -0.25 0.00	37.50 -0.30 0.00	37.96 -0.38 0.00	40.89 -0.49 0.00	47.76 -0.58 0.00	49.42 -0.60 0.00	56.38 -0.85 -0.24	66.09 -1.07 -0.39	70.96 -1.15 -0.46	98.37 -1.69 -0.88	113.81 -1.62 0.00	99.15 -1.62 0.00	80.75 -1.39 -0.61	64.70 -1.05 -0.39	51.12 -0.67 0.00	42.52 -0.65 0.00	37.51 -0.42 0.00
MAPLE_RIDGE_WT_2 323611	35.05 -0.35 0.00	32.20 -0.33 0.00	29.96 -0.30 0.00	29.01 -0.26 0.00	29.42 -0.27 0.00	30.56 -0.25 0.00	33.17 -0.27 0.00	36.07 -0.25 0.00	37.50 -0.30 0.00	37.96 -0.38 0.00	40.89 -0.49 0.00	47.76 -0.58 0.00	49.42 -0.60 0.00	56.38 -0.85 -0.24	66.09 -1.07 -0.39	70.96 -1.15 -0.46	98.37 -1.69 -0.88	113.81 -1.62 0.00	99.15 -1.62 0.00	80.75 -1.39 -0.61	64.70 -1.05 -0.39	51.12 -0.67 0.00	42.52 -0.65 0.00	37.51 -0.42 0.00
MARBLE_RIVER_WT_PWR 323696	34.84 -0.57 0.00	32.03 -0.49 0.00	29.96 -0.30 0.00	29.04 -0.24 0.00	29.45 -0.24 0.00	30.66 -0.15 0.00	33.11 -0.33 0.00	35.89 -0.43 0.00	37.16 -0.64 0.00	37.39 -0.96 0.00	40.06 -1.33 0.00	46.79 -1.55 0.00	48.47 -1.55 0.00	55.22 -1.77 0.00	64.70 -2.07 0.00	69.49 -2.15 0.00	95.51 -3.67 0.00	112.42 -3.00 0.00	97.54 -3.23 0.00	78.51 -3.01 0.00	63.33 -2.03 0.00	49.98 -1.81 0.00	41.39 -1.77 0.00	36.86 -1.06 0.00
MARSHVLE_115KV_TB1 80742	39.02 3.61 0.00	35.74 3.22 0.00	33.17 2.91 0.00	32.00 2.72 0.00	32.51 2.82 0.00	33.80 2.99 0.00	37.49 4.05 0.00	40.64 4.32 0.00	42.15 4.35 0.00	42.91 4.56 0.00	46.51 5.13 0.00	54.72 6.38 0.00	56.22 6.20 0.00	64.68 7.69 0.00	75.92 9.15 0.00	81.81 10.17 0.00	114.05 14.88 0.00	132.97 17.54 0.00	116.38 15.62 0.00	93.76 12.23 0.00	75.68 10.33 0.00	59.97 8.18 0.00	49.38 6.22 0.00	42.93 5.01 0.00
MARSH_HILL_WT_PWR 323713	37.11 1.70 0.00	33.33 0.81 0.00	30.72 0.45 0.00	29.63 0.35 0.00	30.11 0.42 0.00	31.46 0.65 0.00	34.54 1.10 0.00	37.41 1.09 0.00	39.32 1.51 0.00	39.92 1.57 0.00	43.49 2.11 0.00	50.95 2.61 0.00	52.72 2.70 0.00	60.23 3.25 0.00	70.98 4.21 0.00	75.51 3.87 0.00	103.94 4.76 0.00	120.27 4.85 0.00	105.80 5.04 0.00	85.44 3.91 0.00	69.80 4.45 0.00	55.26 3.47 0.00	45.02 1.85 0.00	39.74 1.82 0.00
MCINTYRE_115KV_TB2 80467	34.88 -0.53 0.00	31.97 -0.55 0.00	29.72 -0.54 0.00	28.75 -0.53 0.00	29.19 -0.50 0.00	30.38 -0.43 0.00	32.91 -0.54 0.00	35.81 -0.51 0.00	37.24 -0.57 0.00	37.50 -0.84 0.00	39.31 -2.07 0.00	45.97 -2.37 0.00	47.72 -2.30 0.00	54.54 -2.45 0.00	63.90 -2.87 0.00	68.77 -2.87 0.00	94.42 -4.76 0.00	112.88 -2.54 0.00	97.44 -3.33 0.00	78.02 -3.51 0.00	62.80 -2.55 0.00	49.62 -2.18 0.00	41.78 -1.38 0.00	37.20 -0.72 0.00
MECO____69_KV_BK1 80468	39.55 4.14 0.00	36.16 3.64 0.00	33.59 3.33 0.00	32.35 3.07 0.00	32.87 3.18 0.00	34.20 3.39 0.00	37.75 4.31 0.00	40.82 4.50 0.00	42.23 4.42 0.00	42.76 4.41 0.00	46.26 4.88 0.00	54.48 6.14 0.00	56.12 6.10 0.00	64.91 7.92 0.00	76.45 9.68 0.00	82.39 10.75 0.00	115.24 16.07 0.00	134.47 19.04 0.00	117.79 17.03 0.00	94.82 13.29 0.00	76.40 11.04 0.00	60.60 8.80 0.00	49.73 6.56 0.00	43.23 5.31 0.00
MENANDS__115KV_TB5 355628	36.22 0.81 0.00	33.27 0.75 0.00	31.02 0.76 0.00	29.98 0.70 0.00	30.37 0.68 0.00	31.49 0.68 0.00	34.18 0.74 0.00	37.16 0.84 0.00	38.63 0.83 0.00	39.57 1.23 0.00	42.95 1.57 0.00	50.13 1.79 0.00	51.77 1.75 0.00	58.93 1.94 0.00	68.97 2.20 0.00	74.29 2.65 0.00	102.75 3.57 0.00	119.23 3.81 0.00	104.29 3.53 0.00	84.54 3.02 0.00	67.44 2.09 0.00	53.60 1.81 0.00	44.93 1.77 0.00	39.06 1.14 0.00
MG INDUSTRY____DRP 24185	36.54 1.13 0.00	33.56 1.04 0.00	31.29 1.03 0.00	30.24 0.97 0.00	30.64 0.95 0.00	31.74 0.92 0.00	34.38 0.94 0.00	37.30 0.98 0.00	38.79 0.98 0.00	39.69 1.34 0.00	42.33 0.95 0.00	49.26 0.92 0.00	50.92 0.90 0.00	57.96 0.97 0.00	67.77 1.00 0.00	72.93 1.29 0.00	100.76 1.59 0.00	117.04 1.62 0.00	102.38 1.61 0.00	83.00 1.47 0.00	66.40 1.05 0.00	53.92 2.12 0.00	45.11 1.94 0.00	39.33 1.40 0.00
MID____OSWEGATCHIE_HYD 23849	34.80 -0.60 0.00	31.87 -0.65 0.00	29.57 -0.70 0.00	28.60 -0.67 0.00	29.04 -0.65 0.00	30.23 -0.59 0.00	32.81 -0.64 0.00	35.67 -0.65 0.00	37.05 -0.76 0.00	37.50 -0.84 0.00	39.81 -1.57 0.00	46.60 -1.74 0.00	48.17 -1.85 0.00	55.16 -1.82 0.00	64.57 -2.20 0.00	69.42 -2.22 0.00	95.81 -3.37 0.00	113.46 -1.96 0.00	98.45 -2.32 0.00	79.33 -2.20 0.00	63.59 -1.76 0.00	50.39 -1.40 0.00	42.04 -1.12 0.00	37.16 -0.76 0.00
MID____RAQUETTE_HYD 23851	33.99 -1.42 0.00	31.12 -1.40 0.00	28.96 -1.30 0.00	28.05 -1.23 0.00	28.47 -1.22 0.00	29.61 -1.20 0.00	32.07 -1.37 0.00	34.90 -1.42 0.00	36.25 -1.55 0.00	36.54 -1.80 0.00	38.28 -3.10 0.00	44.72 -3.63 0.00	46.37 -3.65 0.00	53.00 -3.99 0.00	62.03 -4.74 0.00	66.77 -4.87 0.00	91.64 -7.54 0.00	109.65 -5.77 0.00	94.52 -6.25 0.00	75.66 -5.87 0.00	60.91 -4.44 0.00	48.11 -3.68 0.00	40.62 -2.55 0.00	36.14 -1.78 0.00
MILLIKEN____1 23584	36.61 1.20 0.00	33.59 1.07 0.00	31.05 0.79 0.00	30.04 0.76 0.00	30.49 0.80 0.00	31.74 0.92 0.00	34.58 1.14 0.00	37.52 1.20 0.00	39.20 1.40 0.00	39.92 1.57 0.00	43.29 1.90 0.00	50.66 2.32 0.00	52.47 2.45 0.00	59.95 2.96 0.00	70.44 3.67 0.00	75.58 3.94 0.00	104.14 4.96 0.00	121.08 5.66 0.00	106.10 5.34 0.00	86.01 4.48 0.00	69.21 3.86 0.00	54.80 3.00 0.00	44.98 1.81 0.00	39.48 1.55 0.00
MILLIKEN____2 23585	36.61 1.20 0.00	33.59 1.07 0.00	31.05 0.79 0.00	30.04 0.76 0.00	30.49 0.80 0.00	31.74 0.92 0.00	34.58 1.14 0.00	37.52 1.20 0.00	39.20 1.40 0.00	39.92 1.57 0.00	43.29 1.90 0.00	50.66 2.32 0.00	52.47 2.45 0.00	59.95 2.96 0.00	70.44 3.67 0.00	75.58 3.94 0.00	104.14 4.96 0.00	121.08 5.66 0.00	106.10 5.34 0.00	86.01 4.48 0.00	69.21 3.86 0.00	54.80 3.00 0.00	44.98 1.81 0.00	39.48 1.55 0.00
MILLIKEN____DIESEL 23629	36.61 1.20 0.00	33.59 1.07 0.00	31.05 0.79 0.00	30.04 0.76 0.00	30.49 0.80 0.00	31.74 0.92 0.00	34.58 1.14 0.00	37.52 1.20 0.00	39.20 1.40 0.00	39.92 1.57 0.00	43.29 1.90 0.00	50.66 2.32 0.00	52.47 2.45 0.00	59.95 2.96 0.00	70.44 3.67 0.00	75.58 3.94 0.00	104.14 4.96 0.00	121.08 5.66 0.00	106.10 5.34 0.00	86.01 4.48 0.00	69.21 3.86 0.00	54.80 3.00 0.00	44.98 1.81 0.00	39.48 1.55 0.00
MILLSEAT____LFGE 323607	36.29 0.89 0.00	32.26 -0.26 0.00	29.78 -0.49 0.00	28.66 -0.62 0.00	29.16 -0.53 0.00	30.47 -0.34 0.00	33.54 0.10 0.00	36.32 0.00 0.00	38.26 0.46 0.00	38.54 0.19 0.00	42.13 0.75 0.00	49.31 0.97 0.00	50.82 0.80 0.00	58.64 1.65 0.00	68.97 2.20 0.00	73.29 1.65 0.00	100.86 1.68 0.00	116.46 1.04 0.00	102.67 1.91 0.00	82.83 1.30 0.00	67.83 2.48 0.00	53.50 1.71 0.00	43.38 0.22 0.00	38.53 0.60 0.00



MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	36.89 1.49 0.00	33.95 1.43 0.00	31.66 1.39 0.00	30.57 1.29 0.00	30.94 1.25 0.00	32.04 1.23 0.00	34.81 1.37 0.00	38.10 1.78 0.00	39.65 1.85 0.00	40.69 2.34 0.00	44.32 2.94 0.00	51.63 3.29 0.00	53.17 3.15 0.00	60.46 3.48 0.00	70.98 4.21 0.00	76.51 4.87 0.00	106.52 7.34 0.00	123.04 7.62 0.00	107.51 6.75 0.00	86.99 5.46 0.00	68.82 3.46 0.00	54.43 2.64 0.00	46.27 3.11 0.00	39.90 1.97 0.00
MILLWOOD_13_KV_LOAD 356217	37.03 1.63 0.00	34.08 1.56 0.00	31.78 1.51 0.00	30.68 1.41 0.00	31.03 1.34 0.00	32.14 1.32 0.00	34.95 1.50 0.00	38.25 1.93 0.00	39.81 2.00 0.00	40.88 2.53 0.00	44.57 3.19 0.00	51.92 3.58 0.00	53.52 3.50 0.00	60.86 3.88 0.00	71.44 4.67 0.00	77.01 5.37 0.00	107.11 7.93 0.00	123.85 8.43 0.00	108.12 7.36 0.00	87.48 5.95 0.00	69.21 3.86 0.00	54.80 3.00 0.00	46.49 3.32 0.00	40.08 2.16 0.00
MODEL_CITY_ENERGY 24167	35.41 0.00 0.00	31.42 -1.11 0.00	28.99 -1.27 0.00	27.96 -1.32 0.00	28.42 -1.28 0.00	29.64 -1.17 0.00	32.44 -1.00 0.00	35.01 -1.31 0.00	36.89 -0.91 0.00	37.12 -1.23 0.00	40.59 -0.79 0.00	47.52 -0.82 0.00	48.97 -1.05 0.00	56.36 -0.63 0.00	66.23 -0.54 0.00	70.21 -1.43 0.00	96.50 -2.67 0.00	111.27 -4.15 0.00	97.94 -2.82 0.00	79.00 -2.53 0.00	65.03 -0.33 0.00	51.43 -0.36 0.00	41.83 -1.34 0.00	37.31 -0.61 0.00
MODERN_LFGE_ 323580	35.41 0.00 0.00	31.42 -1.11 0.00	28.99 -1.27 0.00	27.96 -1.32 0.00	28.42 -1.28 0.00	29.64 -1.17 0.00	32.44 -1.00 0.00	35.01 -1.31 0.00	36.89 -0.91 0.00	37.12 -1.23 0.00	40.59 -0.79 0.00	47.52 -0.82 0.00	48.97 -1.05 0.00	56.36 -0.63 0.00	66.23 -0.54 0.00	70.21 -1.43 0.00	96.50 -2.67 0.00	111.27 -4.15 0.00	97.94 -2.82 0.00	79.00 -2.53 0.00	65.03 -0.33 0.00	51.43 -0.36 0.00	41.83 -1.34 0.00	37.31 -0.61 0.00
MOHAWK_PAPER___DRP 24187	36.47 1.06 0.00	33.50 0.98 0.00	31.20 0.94 0.00	30.19 0.91 0.00	30.55 0.86 0.00	31.68 0.86 0.00	34.41 0.97 0.00	37.41 1.09 0.00	38.90 1.10 0.00	39.84 1.50 0.00	43.24 1.86 0.00	50.52 2.18 0.00	52.22 2.20 0.00	59.44 2.45 0.00	69.51 2.74 0.00	74.94 3.30 0.00	103.64 4.46 0.00	120.39 4.96 0.00	105.30 4.53 0.00	85.28 3.75 0.00	68.10 2.74 0.00	54.07 2.28 0.00	45.28 2.12 0.00	39.36 1.44 0.00
MOHICAN__35_KV_115KV_LD 80490	37.78 2.37 0.00	34.64 2.11 0.00	32.20 1.94 0.00	31.06 1.79 0.00	31.50 1.81 0.00	32.75 1.94 0.00	35.61 2.17 0.00	38.65 2.32 0.00	40.26 2.46 0.00	41.30 2.95 0.00	44.98 3.60 0.00	52.93 4.59 0.00	54.77 4.75 0.00	62.63 5.64 0.00	72.11 5.34 0.00	77.59 5.95 0.00	107.61 8.43 0.00	125.23 9.81 0.00	109.63 8.87 0.00	88.46 6.93 0.00	70.84 5.49 0.00	56.56 4.76 0.00	47.01 3.84 0.00	40.92 3.00 0.00
MONGAUP___HYD 23641	36.75 1.35 0.00	33.99 1.46 0.00	31.63 1.36 0.00	30.56 1.29 0.00	30.97 1.28 0.00	32.05 1.23 0.00	34.81 1.37 0.00	37.92 1.60 0.00	39.46 1.66 0.00	40.34 1.99 0.00	43.53 2.15 0.00	50.23 1.88 0.00	51.92 1.90 0.00	59.10 2.11 0.00	68.97 2.20 0.00	74.58 2.94 0.00	104.23 5.06 0.00	120.74 5.31 0.00	105.50 4.74 0.00	85.36 3.83 0.00	67.44 2.09 0.00	53.92 2.12 0.00	45.93 2.76 0.00	39.78 1.86 0.00
MONTAUK___DIESEL 23721	41.69 5.03 -1.25	37.16 4.62 -0.02	35.36 4.39 -0.70	33.87 4.13 -0.46	34.58 4.10 -0.79	34.94 4.13 0.00	38.81 4.72 -0.65	41.37 5.05 0.00	44.64 4.91 -1.93	46.87 5.91 -2.62	55.21 6.95 -6.88	56.08 7.73 0.00	105.33 8.70 -46.60	173.71 9.97 -106.75	349.92 12.02 -271.13	318.69 12.90 -234.15	313.02 16.66 -197.18	304.59 18.47 -170.70	304.63 16.32 -187.54	256.22 14.76 -159.94	399.73 10.59 -323.79	188.24 8.29 -128.16	115.51 7.34 -65.00	47.38 5.57 -3.89
MOONROAD_115KV_HARTFLD_TB1-2 355988	36.08 0.67 0.00	33.20 0.68 0.00	30.63 0.36 0.00	29.45 0.18 0.00	30.08 0.39 0.00	31.37 0.55 0.00	34.48 1.04 0.00	37.37 1.05 0.00	39.62 1.81 0.00	39.92 1.57 0.00	43.91 2.52 0.00	51.39 3.05 0.00	53.02 3.00 0.00	60.98 3.99 0.00	71.85 5.07 0.00	75.58 3.94 0.00	104.93 5.75 0.00	120.85 5.42 0.00	106.00 5.24 0.00	85.28 3.75 0.00	69.27 3.92 0.00	54.95 3.16 0.00	43.86 0.69 0.00	39.21 1.29 0.00
MORTIMER_115KV_TB3 55949	35.23 -0.18 0.00	32.36 -0.16 0.00	29.96 -0.30 0.00	28.90 -0.38 0.00	29.42 -0.27 0.00	30.69 -0.12 0.00	33.51 0.07 0.00	36.36 0.04 0.00	38.07 0.26 0.00	38.50 0.15 0.00	41.96 0.58 0.00	49.21 0.87 0.00	50.92 0.90 0.00	58.41 1.42 0.00	68.57 1.80 0.00	72.72 1.07 0.00	100.96 1.79 0.00	116.81 1.39 0.00	102.48 1.71 0.00	82.91 1.39 0.00	67.18 1.83 0.00	53.35 1.55 0.00	43.04 -0.13 0.00	38.23 0.30 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.20 1.39 0.00	35.01 1.57 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.42 3.40 0.00	60.63 3.65 0.00	71.38 4.61 0.00	76.87 5.23 0.00	107.11 7.93 0.00	123.62 8.20 0.00	108.02 7.25 0.00	87.40 5.87 0.00	68.88 3.53 0.00	54.48 2.69 0.00	46.58 3.41 0.00	40.12 2.20 0.00
MUNSVILLE_WIND_PWR 323609	39.30 3.89 0.00	35.71 3.19 0.00	32.71 2.45 0.00	31.65 2.37 0.00	32.19 2.49 0.00	33.52 2.71 0.00	36.58 3.14 0.00	39.77 3.45 0.00	41.35 3.55 0.00	42.22 3.87 0.00	45.77 4.38 0.00	53.61 5.27 0.00	55.52 5.50 0.00	63.65 6.66 0.00	74.71 7.94 0.00	80.45 8.81 0.00	111.57 12.40 0.00	130.66 15.23 0.00	114.97 14.21 0.00	93.84 12.31 0.00	75.09 9.74 0.00	59.46 7.66 0.00	48.43 5.26 0.00	42.40 4.47 0.00
N SALMON___HYD 24042	34.98 -0.42 0.00	32.10 -0.42 0.00	29.99 -0.27 0.00	29.04 -0.24 0.00	29.48 -0.21 0.00	30.72 -0.09 0.00	33.21 -0.23 0.00	36.07 -0.25 0.00	37.31 -0.49 0.00	37.54 -0.81 0.00	40.10 -1.28 0.00	46.79 -1.55 0.00	48.47 -1.55 0.00	51.81 -1.71 3.47	59.21 -1.94 5.62	63.01 -1.93 6.70	82.82 -3.77 12.59	112.77 -2.65 0.00	97.64 -3.12 0.00	69.73 -3.01 8.78	57.93 -1.76 5.66	50.08 -1.71 0.00	41.39 -1.77 0.00	37.01 -0.91 0.00
N.AKRON__115KV_KNAPP 355671	34.88 -0.53 0.00	32.10 -0.42 0.00	29.69 -0.58 0.00	28.58 -0.70 0.00	29.19 -0.50 0.00	30.47 -0.34 0.00	33.47 0.03 0.00	36.25 -0.07 0.00	38.22 0.42 0.00	38.42 0.08 0.00	42.04 0.66 0.00	49.21 0.87 0.00	50.97 0.95 0.00	58.81 1.82 0.00	69.17 2.40 0.00	72.86 1.22 0.00	101.16 1.98 0.00	116.81 1.39 0.00	102.58 1.81 0.00	82.91 1.39 0.00	67.51 2.16 0.00	53.60 1.81 0.00	42.73 -0.43 0.00	38.34 0.42 0.00
N.BELMOR_69_KV_BK1 55787	39.13 2.48 -1.24	34.88 2.34 -0.02	33.21 2.24 -0.70	31.85 2.11 -0.46	32.56 2.08 -0.79	32.94 2.13 0.00	36.40 2.31 -0.65	38.94 2.62 0.00	40.18 2.38 0.00	41.41 3.07 0.00	44.98 3.60 0.00	52.11 3.77 0.00	54.22 4.20 0.00	66.23 4.62 -4.63	80.26 5.68 -7.81	101.43 6.45 -23.34	128.43 9.72 -19.53	133.53 10.39 -7.71	115.83 9.17 -5.90	88.88 7.34 -0.02	69.99 4.64 0.00	55.52 3.73 0.00	47.18 4.01 0.00	40.62 2.69 0.00



N.E_GEN_SANDY PD 24062	36.33 0.92 0.00	33.59 1.07 0.00	31.35 1.09 0.00	30.30 1.02 0.00	30.73 1.04 0.00	31.83 1.02 0.00	34.51 1.07 0.00	37.52 1.20 0.00	39.20 1.40 0.00	40.15 1.80 0.00	43.41 2.03 0.00	50.52 2.32 0.14	52.46 2.30 -0.14	59.44 2.45 0.00	69.64 2.87 0.00	75.15 3.51 0.00	104.23 5.06 0.00	120.85 5.43 0.00	105.70 4.94 0.00	88.90 4.24 -3.14	69.50 2.68 -1.47	54.38 2.07 -0.51	43.51 2.33 1.98	39.52 1.59 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	36.72 1.31 0.00	33.79 1.27 0.00	31.53 1.27 0.00	30.45 1.17 0.00	30.82 1.13 0.00	31.86 1.05 0.00	34.61 1.17 0.00	37.88 1.56 0.00	39.43 1.63 0.00	40.46 2.11 0.00	44.07 2.69 0.00	51.39 3.05 0.00	52.92 2.90 0.00	60.18 3.19 0.00	70.71 3.94 0.00	76.23 4.58 0.00	106.12 6.94 0.00	122.58 7.16 0.00	107.11 6.35 0.00	86.58 5.05 0.00	68.49 3.14 0.00	54.17 2.38 0.00	46.01 2.85 0.00	39.71 1.78 0.00
N.QUEENS_27_KV_LOAD 356247	37.25 1.84 0.00	34.08 1.56 0.00	31.93 1.66 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.01 1.20 0.00	34.81 1.37 0.00	38.21 1.89 0.00	39.81 2.00 0.00	40.88 2.53 0.00	44.57 3.19 0.00	51.67 3.34 0.01	53.31 3.30 0.01	60.51 3.53 0.01	71.17 4.41 0.01	76.65 5.01 0.01	106.92 7.74 -0.01	137.92 8.08 -14.42	107.93 7.15 -0.01	87.23 5.71 0.01	68.81 3.46 0.01	54.37 2.59 0.01	46.58 3.41 0.00	40.12 2.20 0.00
N.TROY____115KV_TB1 355778	36.65 1.24 0.00	33.66 1.14 0.00	31.38 1.12 0.00	30.33 1.05 0.00	30.73 1.04 0.00	31.89 1.08 0.00	34.61 1.17 0.00	37.63 1.31 0.00	39.13 1.32 0.00	40.03 1.69 0.00	43.53 2.15 0.00	50.86 2.51 0.00	52.57 2.55 0.00	59.84 2.85 0.00	69.98 3.20 0.00	75.44 3.80 0.00	104.43 5.26 0.00	121.31 5.89 0.00	106.10 5.34 0.00	86.01 4.48 0.00	68.62 3.27 0.00	54.38 2.59 0.00	45.58 2.42 0.00	39.63 1.71 0.00
NARROWS_GT1_1 24228	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT1_2 24229	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT1_3 24230	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT1_4 24231	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT1_5 24232	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT1_6 24233	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT1_7 24234	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT1_8 24235	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT2_1 24236	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT2_2 24237	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT2_3 24238	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00



NARROWS_GT2_4 24239	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT2_5 24240	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT2_6 24241	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT2_7 24242	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NARROWS_GT2_8 24243	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.54 4.60 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.40 5.87 -7.00	76.11 3.40 -7.37	51.29 2.64 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	37.32 1.91 0.00	34.28 1.76 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.24 1.54 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.10 1.78 0.00	39.31 1.51 0.00	40.23 1.88 0.00	43.45 2.07 0.00	50.57 2.22 0.00	52.57 2.55 0.00	60.06 3.08 0.00	70.04 3.27 0.00	75.65 4.01 0.00	104.93 5.75 0.00	122.00 6.58 0.00	106.81 6.05 0.00	86.42 4.89 0.00	68.82 3.46 0.00	55.37 3.57 0.00	46.06 2.89 0.00	40.05 2.12 0.00
NCHELSEA_115KV_TR2 355582	37.18 1.77 0.00	34.25 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.20 1.39 0.00	34.95 1.50 0.00	38.43 2.11 0.00	39.84 2.04 0.00	40.88 2.53 0.00	44.61 3.23 0.00	52.06 3.72 0.00	53.92 3.90 0.00	61.32 4.33 0.00	71.78 5.01 0.00	77.52 5.87 0.00	108.10 8.93 0.00	124.89 9.46 0.00	109.23 8.46 0.00	88.38 6.85 0.00	70.25 4.90 0.00	55.62 3.83 0.00	47.01 3.84 0.00	40.54 2.62 0.00
NEG CAPITAL___MECHNVIL 23645	37.32 1.91 0.00	34.34 1.82 0.00	31.99 1.72 0.00	30.86 1.58 0.00	31.29 1.60 0.00	32.48 1.66 0.00	35.28 1.84 0.00	38.28 1.96 0.00	39.99 2.19 0.00	40.99 2.64 0.00	44.40 3.02 0.00	52.01 3.67 0.00	53.82 3.80 0.00	61.38 4.39 0.00	71.51 4.74 0.00	76.94 5.30 0.00	106.81 7.64 0.00	124.08 8.66 0.00	108.52 7.76 0.00	87.81 6.28 0.00	70.12 4.77 0.00	55.73 3.93 0.00	46.53 3.37 0.00	40.50 2.58 0.00
NEG CENTRAL_HIGH_ACRES 23767	35.55 0.14 0.00	32.07 -0.46 0.00	29.66 -0.61 0.00	28.63 -0.64 0.00	29.07 -0.62 0.00	30.32 -0.49 0.00	33.14 -0.30 0.00	35.96 -0.36 0.00	37.76 -0.04 0.00	38.39 0.04 0.00	41.75 0.37 0.00	49.02 0.68 0.00	50.77 0.75 0.00	58.24 1.25 0.00	68.37 1.60 0.00	73.07 1.43 0.00	100.46 1.29 0.00	116.34 0.92 0.00	102.17 1.41 0.00	82.59 1.06 0.00	66.99 1.63 0.00	52.88 1.09 0.00	43.21 0.04 0.00	38.00 0.08 0.00
NEG CENTRAL___DRP 24199	35.90 0.50 0.00	32.98 0.46 0.00	30.48 0.21 0.00	29.45 0.18 0.00	29.93 0.24 0.00	31.21 0.40 0.00	34.08 0.64 0.00	36.94 0.62 0.00	39.01 1.21 0.00	39.54 1.19 0.00	43.08 1.70 0.00	50.52 2.18 0.00	52.32 2.30 0.00	59.84 2.85 0.00	70.51 3.74 0.00	75.29 3.65 0.00	102.55 3.37 0.00	119.00 3.58 0.00	104.19 3.43 0.00	84.30 2.77 0.00	68.03 2.68 0.00	53.81 2.02 0.00	43.99 0.82 0.00	38.76 0.83 0.00
NEG CENTRAL___INDECK 23768	36.86 1.45 0.00	33.04 0.52 0.00	30.48 0.21 0.00	29.37 0.09 0.00	29.84 0.15 0.00	31.21 0.40 0.00	34.24 0.80 0.00	37.16 0.84 0.00	38.98 1.17 0.00	39.46 1.11 0.00	42.87 1.49 0.00	50.18 1.84 0.00	51.92 1.90 0.00	58.24 1.25 0.00	68.57 1.80 0.00	73.00 1.36 0.00	100.96 1.79 0.00	117.16 1.73 0.00	103.38 2.62 0.00	83.57 2.04 0.00	68.42 3.07 0.00	55.32 3.52 0.00	44.89 1.73 0.00	39.48 1.56 0.00
NEG CENTRAL___SENECA 23627	35.94 0.53 0.00	33.01 0.49 0.00	30.48 0.21 0.00	29.42 0.15 0.00	29.96 0.27 0.00	31.24 0.43 0.00	34.18 0.74 0.00	37.08 0.76 0.00	38.97 1.17 0.00	39.42 1.07 0.00	42.95 1.57 0.00	50.37 2.03 0.00	52.22 2.20 0.00	59.72 2.74 0.00	70.31 3.54 0.00	74.94 3.30 0.00	103.05 3.87 0.00	119.58 4.16 0.00	104.79 4.03 0.00	84.79 3.26 0.00	68.49 3.14 0.00	54.23 2.43 0.00	44.03 0.86 0.00	38.95 1.02 0.00
NEG CENTRAL___STATE_STREET 24147	36.47 1.06 0.00	33.50 0.98 0.00	30.96 0.70 0.00	29.95 0.67 0.00	30.40 0.71 0.00	31.64 0.83 0.00	34.44 1.00 0.00	37.37 1.05 0.00	39.35 1.55 0.00	40.15 1.80 0.00	43.62 2.23 0.00	51.15 2.80 0.00	53.02 3.00 0.00	60.52 3.53 0.00	71.04 4.27 0.00	76.30 4.66 0.00	103.84 4.66 0.00	120.62 5.19 0.00	105.50 4.74 0.00	85.52 3.99 0.00	68.95 3.59 0.00	54.59 2.80 0.00	44.81 1.64 0.00	39.33 1.40 0.00
NEG MILLWOOD___DRP 24198	37.50 2.09 0.00	34.51 1.98 0.00	32.11 1.85 0.00	31.01 1.73 0.00	31.35 1.66 0.00	32.51 1.69 0.00	35.38 1.94 0.00	38.79 2.47 0.00	40.30 2.49 0.00	41.38 3.03 0.00	45.19 3.81 0.00	52.69 4.35 0.00	54.47 4.45 0.00	62.12 5.13 0.00	72.58 5.81 0.00	78.37 6.73 0.00	109.10 9.92 0.00	126.27 10.85 0.00	110.24 9.47 0.00	89.03 7.50 0.00	70.78 5.42 0.00	56.14 4.35 0.00	47.31 4.14 0.00	40.77 2.84 0.00
NEG NORTH_FLCN_SEA 23793	34.91 -0.50 0.00	32.13 -0.39 0.00	30.20 -0.06 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.90 0.09 0.00	33.14 -0.30 0.00	35.99 -0.33 0.00	37.42 -0.38 0.00	37.70 -0.65 0.00	40.14 -1.24 0.00	46.89 -1.45 0.00	48.57 -1.45 0.00	55.33 -1.65 0.00	64.83 -1.94 0.00	69.71 -1.93 0.00	95.61 -3.57 0.00	112.54 -2.89 0.00	97.54 -3.22 0.00	78.59 -2.94 0.00	63.59 -1.76 0.00	50.08 -1.71 0.00	41.74 -1.42 0.00	37.05 -0.87 0.00



NEG NORTH_KES_CHATEGAY 23792	34.95 -0.46 0.00	32.07 -0.46 0.00	29.99 -0.27 0.00	29.07 -0.20 0.00	29.48 -0.21 0.00	30.66 -0.15 0.00	33.11 -0.33 0.00	35.99 -0.33 0.00	37.42 -0.38 0.00	37.66 -0.69 0.00	40.10 -1.28 0.00	46.84 -1.50 0.00	48.52 -1.50 0.00	55.28 -1.71 0.00	64.77 -2.00 0.00	69.63 -2.01 0.00	95.71 -3.47 0.00	112.54 -2.89 0.00	97.64 -3.12 0.00	78.67 -2.85 0.00	63.52 -1.83 0.00	50.08 -1.71 0.00	41.78 -1.38 0.00	37.09 -0.83 0.00
NEG NORTH___ALICE_FALLS 23915	35.16 -0.25 0.00	32.29 -0.23 0.00	30.29 0.03 0.00	29.34 0.06 0.00	29.78 0.09 0.00	31.03 0.22 0.00	33.37 -0.07 0.00	36.25 -0.07 0.00	37.69 -0.11 0.00	37.93 -0.42 0.00	40.39 -0.99 0.00	47.18 -1.16 0.00	48.87 -1.15 0.00	55.73 -1.25 0.00	65.30 -1.47 0.00	70.28 -1.36 0.00	96.30 -2.88 0.00	113.35 -2.08 0.00	98.35 -2.42 0.00	79.16 -2.36 0.00	64.18 -1.18 0.00	50.50 -1.29 0.00	42.04 -1.12 0.00	37.32 -0.61 0.00
NEG NORTH___LWR_SARANAC 23913	35.16 -0.25 0.00	32.29 -0.23 0.00	30.29 0.03 0.00	29.34 0.06 0.00	29.78 0.09 0.00	31.03 0.22 0.00	33.37 -0.07 0.00	36.25 -0.07 0.00	37.69 -0.11 0.00	37.93 -0.42 0.00	40.39 -0.99 0.00	47.18 -1.16 0.00	48.87 -1.15 0.00	55.73 -1.25 0.00	65.30 -1.47 0.00	70.28 -1.36 0.00	96.30 -2.88 0.00	113.35 -2.08 0.00	98.35 -2.42 0.00	79.16 -2.36 0.00	64.18 -1.18 0.00	50.50 -1.29 0.00	42.04 -1.12 0.00	37.32 -0.61 0.00
NEG NORTH___PLATTSBURG 23628	35.16 -0.25 0.00	32.33 -0.19 0.00	30.29 0.03 0.00	29.37 0.09 0.00	29.78 0.09 0.00	31.06 0.25 0.00	33.47 0.03 0.00	36.25 -0.07 0.00	37.50 -0.30 0.00	37.70 -0.65 0.00	40.39 -0.99 0.00	47.18 -1.16 0.00	48.87 -1.15 0.00	55.44 -1.25 0.30	64.82 -1.47 0.48	69.70 -1.36 0.58	95.22 -2.88 1.08	113.35 -2.07 0.00	98.25 -2.52 0.00	78.41 -2.37 0.75	63.69 -1.17 0.48	50.50 -1.29 0.00	41.74 -1.42 0.00	37.20 -0.72 0.00
NEG WEST_LEA_LOCKPORT 23791	34.10 -1.31 0.00	31.42 -1.11 0.00	29.05 -1.21 0.00	27.99 -1.29 0.00	28.56 -1.13 0.00	29.80 -1.02 0.00	32.57 -0.87 0.00	35.19 -1.13 0.00	37.16 -0.64 0.00	37.31 -1.04 0.00	40.80 -0.58 0.00	47.71 -0.63 0.00	49.22 -0.80 0.00	56.70 -0.28 0.00	66.57 -0.20 0.00	69.92 -1.72 0.00	97.00 -2.18 0.00	111.96 -3.46 0.00	98.24 -2.52 0.00	79.25 -2.28 0.00	64.83 -0.52 0.00	51.69 -0.10 0.00	41.27 -1.90 0.00	37.20 -0.72 0.00
NEG WEST___LANCASTR 23811	35.16 -0.25 0.00	32.39 -0.13 0.00	29.93 -0.33 0.00	28.81 -0.47 0.00	29.39 -0.30 0.00	30.66 -0.15 0.00	33.61 0.17 0.00	36.25 -0.07 0.00	38.26 0.45 0.00	38.50 0.15 0.00	42.21 0.83 0.00	49.41 1.06 0.00	51.07 1.05 0.00	58.70 1.71 0.00	69.17 2.40 0.00	72.86 1.22 0.00	100.96 1.79 0.00	116.46 1.04 0.00	102.17 1.41 0.00	82.42 0.90 0.00	67.12 1.76 0.00	53.24 1.45 0.00	42.69 -0.47 0.00	38.38 0.46 0.00
NEG_PENN_ALLEGHNY 23528	36.33 0.92 0.00	33.11 0.59 0.00	30.66 0.39 0.00	29.66 0.38 0.00	30.08 0.38 0.00	31.28 0.46 0.00	34.07 0.63 0.00	36.98 0.65 0.00	38.71 0.91 0.00	39.42 1.07 0.00	42.71 1.32 0.00	49.99 1.64 0.00	51.77 1.75 0.00	59.10 2.11 0.00	69.37 2.60 0.00	74.15 2.51 0.00	102.55 3.37 0.00	118.88 3.46 0.00	104.19 3.43 0.00	84.38 2.85 0.00	68.03 2.68 0.00	53.87 2.07 0.00	44.55 1.38 0.00	39.06 1.14 0.00
NEG___GEN_MONROE 24207	35.05 -0.35 0.00	32.23 -0.29 0.00	29.84 -0.42 0.00	28.78 -0.50 0.00	29.28 -0.42 0.00	30.50 -0.31 0.00	33.34 -0.10 0.00	36.14 -0.18 0.00	37.88 0.08 0.00	38.27 -0.08 0.00	41.80 0.41 0.00	48.83 0.48 0.00	50.42 0.40 0.00	57.96 0.97 0.00	67.97 1.20 0.00	72.21 0.57 0.00	100.27 1.09 0.00	115.89 0.46 0.00	101.77 1.01 0.00	82.51 0.98 0.00	66.85 1.50 0.00	53.03 1.24 0.00	42.82 -0.35 0.00	38.19 0.27 0.00
NEPA___ENERGY 23901	35.30 -0.11 0.00	32.49 -0.03 0.00	30.02 -0.24 0.00	28.93 -0.35 0.00	29.48 -0.21 0.00	30.72 -0.09 0.00	33.68 0.23 0.00	36.47 0.15 0.00	38.48 0.68 0.00	38.73 0.38 0.00	42.50 1.12 0.00	49.70 1.35 0.00	51.42 1.40 0.00	59.04 2.05 0.00	69.64 2.87 0.00	73.36 1.72 0.00	101.66 2.48 0.00	117.16 1.73 0.00	102.78 2.02 0.00	82.91 1.39 0.00	67.51 2.16 0.00	53.60 1.81 0.00	42.99 -0.17 0.00	38.45 0.53 0.00
NEVERSINK___HYD 23608	36.57 1.17 0.00	33.76 1.24 0.00	31.38 1.12 0.00	30.36 1.08 0.00	30.76 1.07 0.00	31.77 0.96 0.00	34.51 1.07 0.00	37.96 1.64 0.00	39.65 1.85 0.00	40.61 2.26 0.00	43.82 2.44 0.00	51.14 2.80 0.00	51.62 1.60 0.00	58.87 1.88 0.00	69.17 2.40 0.00	74.87 3.23 0.00	104.83 5.65 0.00	120.62 5.20 0.00	105.50 4.74 0.00	85.36 3.83 0.00	68.94 3.59 0.00	54.79 3.00 0.00	46.19 3.02 0.00	39.93 2.01 0.00
NEWKRMKL_115KV_TB1 55635	36.08 0.67 0.00	33.14 0.62 0.00	30.90 0.64 0.00	29.86 0.59 0.00	30.26 0.56 0.00	31.34 0.52 0.00	34.01 0.57 0.00	37.01 0.69 0.00	38.44 0.64 0.00	39.38 1.04 0.00	42.75 1.37 0.00	49.89 1.55 0.00	51.52 1.50 0.00	58.64 1.65 0.00	68.57 1.80 0.00	73.86 2.22 0.00	102.25 3.07 0.00	118.66 3.23 0.00	103.79 3.02 0.00	84.06 2.53 0.00	67.12 1.76 0.00	53.35 1.55 0.00	44.72 1.55 0.00	38.87 0.95 0.00
NEWTON___FALLS_HYD 23847	34.80 -0.60 0.00	31.87 -0.65 0.00	29.57 -0.70 0.00	28.60 -0.67 0.00	29.04 -0.65 0.00	30.23 -0.59 0.00	32.81 -0.64 0.00	35.67 -0.65 0.00	37.05 -0.76 0.00	37.50 -0.84 0.00	39.81 -1.57 0.00	46.60 -1.74 0.00	48.17 -1.85 0.00	55.16 -1.82 0.00	64.57 -2.20 0.00	69.42 -2.22 0.00	95.81 -3.37 0.00	113.46 -1.96 0.00	98.45 -2.32 0.00	79.33 -2.20 0.00	63.59 -1.76 0.00	50.39 -1.40 0.00	42.04 -1.12 0.00	37.16 -0.76 0.00
NGRID_A1_DSASP 323792	35.05 -0.35 0.00	31.06 -1.46 0.00	28.69 -1.58 0.00	27.67 -1.61 0.00	28.12 -1.57 0.00	29.33 -1.48 0.00	32.07 -1.37 0.00	34.58 -1.74 0.00	36.44 -1.36 0.00	36.66 -1.69 0.00	40.06 -1.33 0.00	46.89 -1.45 0.00	48.27 -1.75 0.00	55.51 -1.48 0.00	65.24 -1.53 0.00	69.13 -2.51 0.00	95.02 -4.16 0.00	109.54 -5.88 0.00	96.43 -4.33 0.00	77.78 -3.75 0.00	64.11 -1.24 0.00	50.70 -1.09 0.00	41.27 -1.90 0.00	36.90 -1.02 0.00
NGRID_A2_DSASP 323793	35.05 -0.35 0.00	31.06 -1.46 0.00	28.69 -1.58 0.00	27.67 -1.61 0.00	28.12 -1.57 0.00	29.33 -1.48 0.00	32.07 -1.37 0.00	34.58 -1.74 0.00	36.44 -1.36 0.00	36.66 -1.69 0.00	40.06 -1.33 0.00	46.89 -1.45 0.00	48.27 -1.75 0.00	55.51 -1.48 0.00	65.24 -1.53 0.00	69.13 -2.51 0.00	95.02 -4.16 0.00	109.54 -5.88 0.00	96.43 -4.33 0.00	77.78 -3.75 0.00	64.11 -1.24 0.00	50.70 -1.09 0.00	41.27 -1.90 0.00	36.90 -1.02 0.00
NGRID_A4_DSASP 323807	33.57 -1.84 0.00	30.96 -1.56 0.00	28.63 -1.63 0.00	27.61 -1.67 0.00	28.15 -1.54 0.00	29.36 -1.45 0.00	32.04 -1.40 0.00	34.61 -1.71 0.00	36.52 -1.29 0.00	36.62 -1.73 0.00	40.06 -1.32 0.00	46.84 -1.50 0.00	48.27 -1.75 0.00	55.56 -1.42 0.00	65.24 -1.54 0.00	68.49 -3.15 0.00	95.01 -4.17 0.00	109.54 -5.89 0.00	96.13 -4.64 0.00	77.61 -3.91 0.00	63.59 -1.76 0.00	50.70 -1.09 0.00	40.49 -2.68 0.00	36.63 -1.29 0.00



NIAGARA_115E_LBMP 323715	35.27 -0.14 0.00	31.29 -1.24 0.00	28.87 -1.39 0.00	27.84 -1.43 0.00	28.30 -1.40 0.00	29.52 -1.29 0.00	32.30 -1.14 0.00	34.87 -1.45 0.00	36.74 -1.06 0.00	36.93 -1.42 0.00	40.39 -0.99 0.00	47.28 -1.06 0.00	48.72 -1.30 0.00	56.07 -0.91 0.00	65.90 -0.87 0.00	69.85 -1.79 0.00	96.00 -3.18 0.00	110.69 -4.74 0.00	97.44 -3.32 0.00	78.60 -2.93 0.00	64.76 -0.59 0.00	51.22 -0.57 0.00	41.65 -1.51 0.00	37.16 -0.76 0.00
NIAGARA_115W_LBMP 323714	34.94 -0.46 0.00	30.99 -1.53 0.00	28.60 -1.66 0.00	27.61 -1.67 0.00	28.03 -1.66 0.00	29.24 -1.57 0.00	31.97 -1.47 0.00	34.51 -1.82 0.00	36.33 -1.47 0.00	36.55 -1.80 0.00	39.93 -1.45 0.00	46.75 -1.59 0.00	48.12 -1.90 0.00	55.39 -1.60 0.00	65.03 -1.74 0.00	68.92 -2.72 0.00	94.72 -4.46 0.00	109.19 -6.23 0.00	96.13 -4.63 0.00	77.53 -3.99 0.00	63.91 -1.44 0.00	50.60 -1.19 0.00	41.18 -1.98 0.00	36.79 -1.14 0.00
NIAGARA_230_LBMP 323716	35.41 0.00 0.00	31.42 -1.11 0.00	28.99 -1.27 0.00	27.99 -1.29 0.00	28.45 -1.25 0.00	29.67 -1.14 0.00	32.44 -1.00 0.00	34.98 -1.34 0.00	36.82 -0.98 0.00	37.04 -1.30 0.00	40.47 -0.91 0.00	47.42 -0.92 0.00	48.87 -1.15 0.00	56.19 -0.80 0.00	66.04 -0.73 0.00	70.00 -1.64 0.00	96.20 -2.97 0.00	110.92 -4.50 0.00	97.64 -3.12 0.00	78.76 -2.77 0.00	64.90 -0.45 0.00	51.38 -0.42 0.00	41.83 -1.34 0.00	37.28 -0.64 0.00
NIAGARA__115KV_198_GIBSON 55903	33.46 -1.95 0.00	30.86 -1.66 0.00	28.57 -1.69 0.00	27.52 -1.76 0.00	28.09 -1.60 0.00	29.27 -1.54 0.00	31.97 -1.47 0.00	34.50 -1.82 0.00	36.40 -1.40 0.00	36.51 -1.84 0.00	39.93 -1.45 0.00	46.70 -1.64 0.00	48.12 -1.90 0.00	55.39 -1.60 0.00	65.03 -1.74 0.00	68.27 -3.37 0.00	94.71 -4.46 0.00	109.19 -6.23 0.00	95.83 -4.94 0.00	77.37 -4.16 0.00	63.39 -1.96 0.00	50.60 -1.19 0.00	40.40 -2.76 0.00	36.52 -1.40 0.00
NIAGARA____ 23760	35.41 0.00 0.00	31.42 -1.11 0.00	28.99 -1.27 0.00	27.99 -1.29 0.00	28.45 -1.25 0.00	29.67 -1.14 0.00	32.44 -1.00 0.00	34.98 -1.34 0.00	36.82 -0.98 0.00	37.04 -1.30 0.00	40.47 -0.91 0.00	47.42 -0.92 0.00	48.87 -1.15 0.00	56.19 -0.80 0.00	66.04 -0.73 0.00	70.00 -1.64 0.00	96.20 -2.97 0.00	110.92 -4.50 0.00	97.64 -3.12 0.00	78.76 -2.77 0.00	64.90 -0.45 0.00	51.38 -0.42 0.00	41.83 -1.34 0.00	37.28 -0.64 0.00
NINE_MILE_1 23575	34.94 -0.46 0.00	32.03 -0.49 0.00	29.75 -0.51 0.00	28.78 -0.50 0.00	29.19 -0.50 0.00	30.32 -0.49 0.00	32.94 -0.50 0.00	35.74 -0.58 0.00	37.24 -0.57 0.00	37.85 -0.50 0.00	40.93 -0.45 0.00	47.86 -0.48 0.00	49.52 -0.50 0.00	56.53 -0.46 0.00	66.23 -0.54 0.00	70.92 -0.72 0.00	98.19 -0.99 0.00	114.04 -1.38 0.00	99.76 -1.01 0.00	80.71 -0.82 0.00	64.96 -0.39 0.00	51.43 -0.36 0.00	42.65 -0.52 0.00	37.43 -0.49 0.00
NINE_MILE_2 23744	34.94 -0.46 0.00	32.03 -0.49 0.00	29.75 -0.51 0.00	28.78 -0.50 0.00	29.19 -0.50 0.00	30.32 -0.49 0.00	32.97 -0.47 0.00	35.74 -0.58 0.00	37.27 -0.53 0.00	37.85 -0.50 0.00	40.93 -0.45 0.00	47.86 -0.48 0.00	49.52 -0.50 0.00	56.53 -0.46 0.00	66.23 -0.54 0.00	70.92 -0.72 0.00	98.19 -0.99 0.00	114.04 -1.38 0.00	99.76 -1.01 0.00	80.71 -0.82 0.00	64.96 -0.39 0.00	51.43 -0.36 0.00	42.69 -0.47 0.00	37.43 -0.49 0.00
NM_CAPITAL____DRP 24208	36.11 0.71 0.00	33.17 0.65 0.00	30.96 0.70 0.00	29.92 0.64 0.00	30.31 0.62 0.00	31.40 0.59 0.00	34.08 0.64 0.00	37.08 0.76 0.00	38.52 0.72 0.00	39.46 1.11 0.00	42.83 1.45 0.00	49.94 1.60 0.00	51.62 1.60 0.00	58.75 1.77 0.00	68.71 1.94 0.00	74.00 2.36 0.00	102.45 3.27 0.00	118.89 3.46 0.00	103.99 3.22 0.00	84.30 2.77 0.00	67.25 1.90 0.00	53.40 1.61 0.00	44.81 1.64 0.00	38.95 1.02 0.00
NM_CENTRAL____DRP 24181	35.51 0.11 0.00	32.62 0.10 0.00	30.23 -0.03 0.00	29.22 -0.06 0.00	29.66 -0.03 0.00	30.84 0.03 0.00	33.57 0.13 0.00	36.39 0.07 0.00	37.92 0.11 0.00	38.58 0.23 0.00	41.88 0.50 0.00	49.02 0.68 0.00	50.77 0.75 0.00	57.90 0.91 0.00	67.84 1.07 0.00	72.50 0.86 0.00	100.47 1.29 0.00	116.58 1.15 0.00	101.97 1.21 0.00	82.59 1.06 0.00	66.40 1.05 0.00	52.67 0.88 0.00	43.42 0.26 0.00	38.11 0.19 0.00
NM_FRONTIER____DRP 24179	33.46 -1.95 0.00	30.86 -1.66 0.00	28.57 -1.69 0.00	27.52 -1.76 0.00	28.09 -1.60 0.00	29.27 -1.54 0.00	31.97 -1.47 0.00	34.50 -1.82 0.00	36.40 -1.40 0.00	36.51 -1.84 0.00	39.93 -1.45 0.00	46.70 -1.64 0.00	48.12 -1.90 0.00	55.39 -1.60 0.00	65.03 -1.74 0.00	68.27 -3.37 0.00	94.71 -4.46 0.00	109.19 -6.23 0.00	95.83 -4.94 0.00	77.37 -4.16 0.00	63.39 -1.96 0.00	50.60 -1.19 0.00	40.40 -2.76 0.00	36.52 -1.40 0.00
NM_ST_REGIS____HYD 24053	34.20 -1.20 0.00	31.35 -1.17 0.00	29.20 -1.06 0.00	28.28 -1.00 0.00	28.71 -0.98 0.00	29.89 -0.92 0.00	32.34 -1.10 0.00	35.19 -1.13 0.00	36.55 -1.25 0.00	36.81 -1.53 0.00	38.69 -2.69 0.00	45.25 -3.09 0.00	46.87 -3.15 0.00	53.57 -3.42 0.00	62.63 -4.14 0.00	67.41 -4.23 0.00	92.53 -6.64 0.00	110.35 -5.08 0.00	95.22 -5.54 0.00	76.31 -5.22 0.00	61.56 -3.79 0.00	48.58 -3.21 0.00	40.88 -2.29 0.00	36.37 -1.55 0.00
NORTHPORT____1 23551	38.74 2.09 -1.25	34.88 2.34 -0.02	33.21 2.24 -0.70	31.82 2.08 -0.46	32.62 2.14 -0.79	32.98 2.16 -0.01	36.47 2.37 -0.65	38.83 2.50 0.00	40.52 2.87 0.16	40.89 3.53 0.98	43.45 2.69 0.62	51.19 2.85 0.01	49.29 3.40 4.14	56.26 3.70 4.43	59.97 4.54 11.34	81.37 5.09 -4.65	110.77 7.83 -3.76	116.86 8.20 6.76	97.81 7.26 10.21	81.56 5.95 5.92	66.48 3.40 2.27	47.42 2.79 7.17	40.45 3.07 5.78	39.65 2.08 0.35
NORTHPORT____2 23552	38.74 2.09 -1.25	34.88 2.34 -0.02	33.21 2.24 -0.70	31.82 2.08 -0.46	32.62 2.14 -0.79	32.98 2.16 -0.01	36.47 2.37 -0.65	38.83 2.50 0.00	40.52 2.87 0.16	40.89 3.53 0.98	43.45 2.69 0.62	51.19 2.85 0.01	49.29 3.40 4.14	56.26 3.70 4.43	59.97 4.54 11.34	81.37 5.09 -4.65	110.77 7.83 -3.76	116.86 8.20 6.76	97.81 7.26 10.21	70.97 5.95 16.51	44.22 3.40 24.53	47.42 2.79 7.17	40.45 3.07 5.78	39.65 2.08 0.35
NORTHPORT____3 23553	38.88 2.23 -1.24	34.98 2.44 -0.02	33.30 2.33 -0.70	31.90 2.17 -0.46	32.67 2.20 -0.79	33.04 2.22 -0.01	36.57 2.47 -0.65	38.94 2.62 0.00	40.92 3.21 0.09	40.80 3.10 0.65	43.42 2.65 0.61	51.29 2.95 0.00	49.64 3.75 4.13	56.71 4.16 4.44	60.49 5.07 11.35	81.87 5.59 -4.64	111.08 8.13 -3.77	117.44 8.77 6.75	98.61 8.06 10.22	72.02 7.01 16.52	45.06 4.25 24.53	47.93 3.32 7.18	40.59 3.19 5.77	39.70 2.12 0.35
NORTHPORT____4 23650	38.88 2.23 -1.24	34.98 2.44 -0.02	33.30 2.33 -0.70	31.90 2.17 -0.46	32.67 2.20 -0.79	33.04 2.22 -0.01	36.57 2.47 -0.65	38.94 2.62 0.00	40.92 3.21 0.09	40.80 3.10 0.65	43.42 2.65 0.61	51.29 2.95 0.00	49.64 3.75 4.13	56.71 4.16 4.44	60.49 5.07 11.35	81.87 5.59 -4.64	111.08 8.13 -3.77	117.44 8.77 6.75	98.61 8.06 10.22	72.02 7.01 16.52	45.06 4.25 24.53	47.93 3.32 7.18	40.59 3.19 5.77	39.70 2.12 0.35



NORTHPORT___IC 23718	38.74 2.09 -1.25	34.88 2.34 -0.02	33.21 2.24 -0.70	31.82 2.08 -0.46	32.62 2.14 -0.79	32.98 2.16 -0.01	36.47 2.37 -0.65	38.83 2.50 0.00	40.52 2.87 0.16	40.89 3.53 0.98	43.45 2.69 0.62	51.19 2.85 0.01	49.29 3.40 4.14	56.26 3.70 4.43	59.97 4.54 11.34	81.37 5.09 -4.65	110.77 7.83 -3.76	116.86 8.20 6.76	97.81 7.26 10.21	70.97 5.95 16.51	44.22 3.40 24.53	47.42 2.79 7.17	40.45 3.07 5.78	39.65 2.08 0.35
NORTH___COUNTRY_ESR 323785	34.80 -0.60 0.00	32.00 -0.52 0.00	29.90 -0.36 0.00	28.99 -0.29 0.00	29.39 -0.30 0.00	30.60 -0.21 0.00	33.04 -0.40 0.00	35.85 -0.47 0.00	37.12 -0.68 0.00	37.31 -1.03 0.00	39.97 -1.41 0.00	46.70 -1.64 0.00	48.37 -1.65 0.00	54.05 -1.88 1.06	62.85 -2.20 1.72	67.29 -2.30 2.05	91.45 -3.87 3.85	112.19 -3.23 0.00	97.34 -3.43 0.00	75.66 -3.18 2.69	61.46 -2.15 1.73	49.88 -1.92 0.00	41.31 -1.85 0.00	36.82 -1.10 0.00
NPX_GEN_1385_PROXY 323591	37.75 1.10 -1.25	34.29 1.75 -0.02	32.57 1.60 -0.70	31.23 1.49 -0.46	32.20 1.72 -0.79	32.54 1.72 -0.01	35.76 1.67 -0.65	38.10 1.78 0.00	39.80 2.15 0.16	40.20 2.84 0.98	42.50 1.74 0.62	50.17 1.98 0.15	49.27 3.25 3.99	56.61 4.05 4.43	60.10 4.67 11.34	81.30 5.01 -4.65	109.09 6.15 -3.76	115.71 7.04 6.76	97.71 7.16 10.21	81.10 7.42 7.85	65.00 4.51 4.86	48.40 3.26 6.65	38.04 2.63 7.76	39.12 1.56 0.35
NPX_GEN_CSC 323557	39.95 3.29 -1.25	35.82 3.28 -0.02	34.11 3.15 -0.70	32.67 2.93 -0.46	33.42 2.94 -0.79	33.81 2.99 -0.01	37.50 3.41 -0.65	39.95 3.63 0.00	43.96 4.23 -1.92	48.73 4.72 -5.67	52.47 4.22 -6.86	52.84 4.64 0.14	102.08 5.40 -46.65	169.62 6.10 -106.53	329.48 7.21 -255.50	313.00 7.67 -233.69	306.79 10.81 -196.80	297.42 11.65 -170.35	298.49 10.58 -187.14	308.73 9.13 -218.07	381.18 6.34 -309.49	170.20 5.08 -113.33	110.84 4.79 -62.88	45.40 3.60 -3.88
NSINS_S_GLNS_FALLS 23858	37.78 2.37 0.00	34.64 2.11 0.00	32.20 1.94 0.00	31.06 1.79 0.00	31.50 1.81 0.00	32.72 1.91 0.00	35.61 2.17 0.00	38.65 2.32 0.00	40.26 2.46 0.00	41.30 2.95 0.00	44.98 3.60 0.00	52.98 4.64 0.00	54.77 4.75 0.00	62.63 5.64 0.00	72.05 5.27 0.00	77.52 5.87 0.00	107.51 8.33 0.00	125.12 9.70 0.00	109.53 8.77 0.00	88.38 6.85 0.00	70.78 5.42 0.00	56.50 4.71 0.00	46.96 3.80 0.00	40.92 3.00 0.00
NUCOR_STEEL___DRP 24197	36.26 0.85 0.00	33.30 0.78 0.00	30.81 0.54 0.00	29.81 0.53 0.00	30.23 0.53 0.00	31.43 0.62 0.00	34.21 0.77 0.00	37.08 0.76 0.00	39.05 1.25 0.00	39.80 1.46 0.00	43.24 1.86 0.00	50.66 2.32 0.00	52.52 2.50 0.00	59.95 2.96 0.00	70.38 3.61 0.00	75.58 3.94 0.00	102.95 3.77 0.00	119.58 4.16 0.00	104.59 3.83 0.00	84.71 3.18 0.00	68.29 2.94 0.00	54.12 2.33 0.00	44.46 1.29 0.00	39.02 1.10 0.00
NUMBER_THREE_WT_PWR 323818	35.80 0.39 0.00	32.75 0.23 0.00	30.29 0.03 0.00	29.31 0.03 0.00	29.78 0.09 0.00	31.00 0.19 0.00	33.68 0.24 0.00	36.61 0.29 0.00	38.07 0.27 0.00	38.65 0.31 0.00	41.63 0.25 0.00	48.68 0.34 0.00	50.37 0.35 0.00	54.49 0.69 3.18	62.42 0.80 5.16	66.57 1.08 6.15	89.12 1.49 11.54	117.96 2.54 0.00	102.88 2.12 0.00	75.36 1.88 8.05	61.47 1.31 5.19	52.88 1.09 0.00	43.55 0.39 0.00	38.38 0.46 0.00
NYISO_LBMP_REFERENCE 24008	35.41 0.00 0.00	32.52 0.00 0.00	30.26 0.00 0.00	29.28 0.00 0.00	29.69 0.00 0.00	30.81 0.00 0.00	33.44 0.00 0.00	36.32 0.00 0.00	37.80 0.00 0.00	38.35 0.00 0.00	41.38 0.00 0.00	48.34 0.00 0.00	50.02 0.00 0.00	56.99 0.00 0.00	66.77 0.00 0.00	71.64 0.00 0.00	99.18 0.00 0.00	115.42 0.00 0.00	100.76 0.00 0.00	81.53 0.00 0.00	65.35 0.00 0.00	51.79 0.00 0.00	43.17 0.00 0.00	37.92 0.00 0.00
NYPA_BRENTWD___GT 24164	39.49 2.83 -1.25	35.50 2.96 -0.02	33.78 2.82 -0.70	32.34 2.60 -0.46	33.12 2.64 -0.79	33.50 2.68 -0.01	37.10 3.01 -0.65	39.59 3.27 0.00	44.08 3.78 -2.50	55.32 4.37 -12.60	46.46 3.64 -1.43	52.21 3.87 0.00	64.05 4.30 -9.73	87.70 4.79 -25.93	125.59 5.94 -52.88	145.47 6.52 -67.31	165.59 9.82 -56.59	167.64 10.50 -41.71	153.92 9.37 -43.79	128.07 7.66 -38.88	127.74 4.71 -57.68	72.49 3.83 -16.87	60.69 3.97 -13.56	41.69 2.96 -0.81
NYPA_GOWANUS___GT5 24156	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.48 4.54 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.32 5.79 -7.00	76.05 3.33 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NYPA_GOWANUS___GT6 24157	37.21 1.80 0.00	34.47 1.95 0.00	32.11 1.85 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.61 2.29 0.00	40.56 2.76 0.00	41.72 3.38 0.00	44.94 3.56 0.00	51.96 3.63 0.01	53.31 3.30 0.01	58.59 3.59 1.99	81.48 4.54 -10.16	75.74 5.09 0.98	120.93 8.03 -13.72	144.29 8.20 -20.67	84.94 7.26 23.08	94.32 5.79 -7.00	76.05 3.33 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.39 2.46 0.00
NYPA_HARLEM__RVR_GT1 24160	36.96 1.56 0.00	34.18 1.66 0.00	31.96 1.69 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.11 1.29 0.00	34.95 1.51 0.00	38.20 1.89 0.01	40.10 2.31 0.01	41.22 2.88 0.01	44.40 3.02 0.00	51.48 3.14 0.01	53.16 3.15 0.01	60.34 3.36 0.01	70.97 4.21 0.01	76.36 4.73 0.01	106.63 7.44 -0.01	123.17 7.73 -0.01	107.63 6.86 -0.01	86.98 5.46 0.01	68.42 3.07 0.01	54.27 2.49 0.01	46.44 3.28 0.00	40.20 2.28 0.00
NYPA_HARLEM__RVR_GT2 24161	36.96 1.56 0.00	34.18 1.66 0.00	31.96 1.69 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.11 1.29 0.00	34.95 1.51 0.00	38.20 1.89 0.01	40.10 2.31 0.01	41.22 2.88 0.01	44.40 3.02 0.00	51.48 3.14 0.01	53.16 3.15 0.01	60.34 3.36 0.01	70.97 4.21 0.01	76.36 4.73 0.01	106.63 7.44 -0.01	123.17 7.73 -0.01	107.63 6.86 -0.01	86.98 5.46 0.01	68.42 3.07 0.01	54.27 2.49 0.01	46.44 3.28 0.00	40.20 2.28 0.00
NYPA_KENT___GT 24152	37.14 1.73 0.00	34.41 1.89 0.00	32.05 1.79 0.00	30.89 1.61 0.00	31.29 1.60 0.00	32.32 1.51 0.00	35.18 1.74 0.00	38.54 2.22 0.00	40.45 2.65 0.00	41.60 3.26 0.00	44.81 3.43 0.00	51.86 3.53 0.01	53.21 3.20 0.01	58.61 3.48 1.86	75.11 4.41 -3.94	69.45 4.87 7.07	112.24 7.74 -5.32	127.72 7.96 -4.33	82.27 7.05 25.54	80.76 5.62 6.39	67.47 3.20 1.08	51.40 2.54 2.93	46.66 3.49 0.00	40.31 2.39 0.00
NYPA_POUCH1___GT 24155	37.73 1.70 -0.62	34.44 1.92 0.00	32.08 1.82 0.00	30.92 1.64 0.00	31.29 1.60 0.00	32.29 1.48 0.00	35.08 1.64 0.00	39.78 2.18 -1.28	42.60 2.65 -2.15	44.16 3.30 -2.52	40.97 3.39 3.81	45.68 3.43 6.09	46.37 3.10 6.75	67.30 3.36 -6.95	99.84 4.34 -28.73	91.34 4.80 -14.90	145.35 7.74 -38.43	178.28 7.85 -55.00	97.87 6.95 9.84	118.66 5.62 -31.51	58.90 3.14 9.59	45.40 2.43 8.83	42.79 3.49 3.87	42.18 2.35 -1.91



NYPA_VERNON____GT2 24162	37.07	34.31	31.99	30.83	31.23	32.29	35.15	38.46	40.37	41.53	44.69	51.82	53.22	58.68	68.76	63.29	103.73	111.15	79.62	67.21	58.90	51.56	46.53	40.24
	1.66	1.79	1.72	1.55	1.54	1.48	1.70	2.14	2.57	3.18	3.31	3.48	3.20	3.42	4.28	4.80	7.64	7.73	6.86	5.46	3.07	2.49	3.37	2.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.72	2.29	13.15	3.09	12.00	28.00	19.78	9.53	2.72	0.00	0.00
NYPA_VERNON____GT3 24163	37.07	34.31	31.99	30.83	31.23	32.29	35.15	38.46	40.37	41.53	44.69	51.82	53.22	58.68	68.76	63.29	103.73	111.15	79.62	67.21	58.90	51.56	46.53	40.24
	1.66	1.79	1.72	1.55	1.54	1.48	1.70	2.14	2.57	3.18	3.31	3.48	3.20	3.42	4.28	4.80	7.64	7.73	6.86	5.46	3.07	2.49	3.37	2.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.72	2.29	13.15	3.09	12.00	28.00	19.78	9.53	2.72	0.00	0.00
NYPA____ASTORIA_CC1 323568	37.00	34.24	31.96	30.80	31.18	32.23	35.08	38.39	40.30	41.42	44.61	51.62	53.06	58.24	65.56	58.02	99.30	101.75	72.94	57.64	53.32	50.98	46.44	40.16
	1.59	1.72	1.69	1.52	1.48	1.42	1.64	2.07	2.49	3.07	3.23	3.29	3.05	3.25	4.14	4.59	7.34	7.50	6.55	5.30	2.87	2.33	3.28	2.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.99	5.35	18.21	7.22	21.17	34.37	29.19	14.90	3.15	0.00	0.00
NYPA____ASTORIA_CC2 323569	37.00	34.24	31.96	30.80	31.18	32.23	35.08	38.39	40.30	41.42	44.61	51.62	53.06	58.24	65.56	58.02	99.30	101.75	72.94	57.64	53.32	50.98	46.44	40.16
	1.59	1.72	1.69	1.52	1.48	1.42	1.64	2.07	2.49	3.07	3.23	3.29	3.05	3.25	4.14	4.59	7.34	7.50	6.55	5.30	2.87	2.33	3.28	2.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	1.99	5.35	18.21	7.22	21.17	34.37	29.19	14.90	3.15	0.00	0.00
NYPA____HOLTSVILL 23794	39.42	35.40	33.69	32.26	33.03	33.41	37.00	39.44	43.36	48.06	51.64	52.16	100.14	166.59	292.29	308.07	302.52	293.24	293.92	271.89	341.14	134.98	110.83	44.61
	2.76	2.86	2.72	2.52	2.55	2.59	2.91	3.12	3.67	4.11	3.52	3.82	4.45	4.90	6.01	6.52	9.72	10.39	9.26	7.75	4.84	3.93	3.97	2.88
	-1.25	-0.02	-0.70	-0.46	-0.79	-0.01	-0.65	0.00	-1.90	-5.61	-6.74	0.00	-45.68	-104.70	-219.51	-229.92	-193.61	-167.43	-183.89	-182.62	-270.96	-79.25	-63.70	-3.81
NYPA____HELLGATE_GT1 24158	36.96	34.18	31.96	30.77	31.15	32.11	34.95	38.16	40.06	41.18	44.40	51.48	53.16	60.34	70.97	76.36	106.63	123.17	107.63	86.98	68.42	54.27	46.44	40.20
	1.56	1.66	1.69	1.49	1.45	1.29	1.51	1.85	2.27	2.84	3.02	3.14	3.15	3.36	4.21	4.73	7.44	7.73	6.86	5.46	3.07	2.49	3.28	2.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.00
NYPA____HELLGATE_GT2 24159	36.96	34.18	31.96	30.77	31.15	32.11	34.95	38.16	40.06	41.18	44.40	51.48	53.16	60.34	70.97	76.36	106.63	123.17	107.63	86.98	68.42	54.27	46.44	40.20
	1.56	1.66	1.69	1.49	1.45	1.29	1.51	1.85	2.27	2.84	3.02	3.14	3.15	3.36	4.21	4.73	7.44	7.73	6.86	5.46	3.07	2.49	3.28	2.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.00
NYS_BARGE____HYD 23848	35.69	31.65	29.20	28.17	28.62	29.89	32.71	35.30	37.27	37.47	40.97	47.95	49.42	56.93	66.90	70.92	97.49	112.42	99.05	79.81	65.68	51.90	42.22	37.62
	0.28	-0.88	-1.06	-1.11	-1.07	-0.92	-0.74	-1.02	-0.53	-0.88	-0.41	-0.39	-0.60	-0.06	0.13	-0.72	-1.69	-3.00	-1.71	-1.72	0.33	0.10	-0.95	-0.30
	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
OAK ORCHARD____HYD 24046	36.08	32.39	29.99	28.93	29.39	30.63	33.47	36.32	38.07	38.54	41.96	49.21	50.92	58.41	68.57	73.15	100.96	116.81	102.67	83.00	67.50	53.34	43.55	38.41
	0.67	-0.13	-0.27	-0.35	-0.30	-0.18	0.03	0.00	0.27	0.19	0.58	0.87	0.90	1.43	1.80	1.51	1.79	1.39	1.91	1.47	2.15	1.55	0.39	0.49
	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
OAKDALE__35_KV_LOAD 356122	35.83	32.91	30.51	29.48	29.96	31.12	33.88	36.79	38.41	39.04	42.46	49.65	51.42	58.64	68.84	73.50	101.86	118.08	103.48	83.73	67.44	53.45	44.03	38.72
	0.42	0.39	0.24	0.20	0.27	0.31	0.43	0.47	0.60	0.69	1.08	1.31	1.40	1.65	2.07	1.86	2.68	2.65	2.72	2.20	2.09	1.66	0.86	0.80
	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
OCC_CHEM____DRP 24175	33.57	30.96	28.63	27.61	28.15	29.36	32.04	34.61	36.52	36.62	40.06	46.84	48.27	55.56	65.24	68.49	95.01	109.54	96.13	77.61	63.59	50.70	40.49	36.63
	-1.84	-1.56	-1.63	-1.67	-1.54	-1.45	-1.40	-1.71	-1.29	-1.73	-1.32	-1.50	-1.75	-1.42	-1.54	-3.15	-4.17	-5.89	-4.64	-3.91	-1.76	-1.09	-2.68	-1.29
	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
OH_GEN_PROXY 24063	35.41	31.45	29.02	28.02	28.45	29.67	32.47	35.05	36.89	37.16	40.55	47.38	49.11	56.36	66.23	70.13	96.50	111.27	97.94	79.00	66.56	52.00	39.93	37.31
	0.00	-1.07	-1.24	-1.26	-1.25	-1.14	-0.97	-1.27	-0.91	-1.19	-0.83	-0.82	-1.05	-0.63	-0.54	-1.51	-2.67	-4.15	-2.82	-2.53	-0.26	-0.31	-1.25	-0.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	-0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.47	-0.51	1.98	0.00
OLIN_CORP_DRP 24177	33.85	31.22	28.87	27.81	28.38	29.61	32.34	34.94	36.82	36.97	40.43	47.33	48.82	56.19	66.04	69.28	96.20	110.92	97.34	78.59	64.37	51.33	40.96	36.94
	-1.56	-1.30	-1.39	-1.46	-1.31	-1.20	-1.10	-1.38	-0.98	-1.38	-0.95	-1.02	-1.20	-0.80	-0.73	-2.36	-2.98	-4.50	-3.43	-2.94	-0.98	-0.47	-2.20	-0.99
	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
OLIN_CORP_DSASP 323712	35.05	31.06	28.69	27.67	28.12	29.33	32.07	34.58	36.44	36.66	40.06	46.89	48.27	55.51	65.24	69.13	95.02	109.54	96.43	77.78	64.11	50.70	41.27	36.90
	-0.35	-1.46	-1.58	-1.61	-1.57	-1.48	-1.37	-1.74	-1.36	-1.69	-1.33	-1.45	-1.75	-1.48	-1.53	-2.51	-4.16	-5.88	-4.33	-3.75	-1.24	-1.09	-1.90	-1.02
	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
ONEIDA_HERK_LFGE 323681	36.15	33.11	30.66	29.66	30.11	31.30	34.01	36.98	38.52	39.19	42.33	49.55	51.27	57.08	66.21	70.82	96.62	119.01	103.89	80.51	64.94	53.45	44.16	38.80
	0.74	0.59	0.39	0.38	0.42	0.49	0.57	0.65	0.72	0.84	0.95	1.21	1.25	1.59	1.87	2.08	2.88	3.58	3.13	2.77	2.03	1.66	0.99	0.87
	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	1.50	2.43	2.90	5.43	0.00	0.00	3.79	2.44	0.00	0.00	0.00



ONEIDA___115KV_TB4 55905	36.54 1.13 0.00	33.50 0.98 0.00	30.99 0.73 0.00	29.98 0.70 0.00	30.43 0.74 0.00	31.64 0.83 0.00	34.41 0.97 0.00	37.37 1.05 0.00	38.94 1.13 0.00	39.69 1.34 0.00	43.04 1.66 0.00	50.37 2.03 0.00	52.17 2.15 0.00	59.61 2.62 0.00	69.84 3.07 0.00	74.94 3.30 0.00	103.74 4.56 0.00	120.39 4.96 0.00	105.30 4.53 0.00	85.52 3.99 0.00	68.36 3.01 0.00	54.23 2.43 0.00	44.68 1.51 0.00	39.25 1.33 0.00
ONONDAGA_REF_OCCRA 23987	35.65 0.25 0.00	32.72 0.20 0.00	30.35 0.09 0.00	29.34 0.06 0.00	29.78 0.09 0.00	30.97 0.15 0.00	33.71 0.27 0.00	36.54 0.22 0.00	38.10 0.30 0.00	38.77 0.42 0.00	42.00 0.62 0.00	49.16 0.82 0.00	50.92 0.90 0.00	58.07 1.08 0.00	68.11 1.34 0.00	72.79 1.15 0.00	100.86 1.69 0.00	117.04 1.62 0.00	102.48 1.71 0.00	82.91 1.39 0.00	66.72 1.37 0.00	52.88 1.09 0.00	43.60 0.43 0.00	38.26 0.34 0.00
ONONDAGA___COGEN 23986	35.83 0.42 0.00	32.88 0.36 0.00	30.48 0.21 0.00	29.45 0.18 0.00	29.90 0.21 0.00	31.09 0.28 0.00	33.81 0.37 0.00	36.65 0.33 0.00	38.18 0.38 0.00	38.88 0.54 0.00	41.96 0.58 0.00	49.07 0.73 0.00	50.87 0.85 0.00	58.01 1.03 0.00	67.91 1.14 0.00	72.64 1.00 0.00	100.66 1.49 0.00	116.81 1.39 0.00	102.17 1.41 0.00	82.75 1.22 0.00	66.59 1.24 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00
ONTARIO___LFGE 23819	36.47 1.06 0.00	33.04 0.52 0.00	30.50 0.24 0.00	29.45 0.18 0.00	29.93 0.24 0.00	31.21 0.40 0.00	34.18 0.73 0.00	37.08 0.76 0.00	38.90 1.10 0.00	39.54 1.19 0.00	42.95 1.57 0.00	50.37 2.03 0.00	52.22 2.20 0.00	59.72 2.74 0.00	70.31 3.54 0.00	75.22 3.58 0.00	103.04 3.86 0.00	119.57 4.15 0.00	104.90 4.13 0.00	84.79 3.26 0.00	68.75 3.40 0.00	54.23 2.43 0.00	44.42 1.25 0.00	39.10 1.18 0.00
ORANGEVILLE_WT_PWR 323706	36.29 0.89 0.00	32.42 -0.10 0.00	29.90 -0.36 0.00	28.84 -0.44 0.00	29.30 -0.39 0.00	30.60 -0.21 0.00	33.51 0.07 0.00	36.21 -0.11 0.00	38.18 0.38 0.00	38.58 0.23 0.00	42.08 0.70 0.00	49.26 0.92 0.00	50.87 0.85 0.00	58.35 1.37 0.00	68.64 1.87 0.00	72.86 1.22 0.00	100.37 1.19 0.00	115.89 0.46 0.00	101.87 1.11 0.00	82.18 0.65 0.00	67.31 1.96 0.00	53.24 1.45 0.00	43.38 0.22 0.00	38.45 0.53 0.00
ORANGEVILLE___ESR 323794	36.29 0.89 0.00	32.42 -0.10 0.00	29.90 -0.36 0.00	28.84 -0.44 0.00	29.30 -0.39 0.00	30.60 -0.21 0.00	33.51 0.07 0.00	36.21 -0.11 0.00	38.18 0.38 0.00	38.58 0.23 0.00	42.08 0.70 0.00	49.26 0.92 0.00	50.87 0.85 0.00	58.35 1.37 0.00	68.64 1.87 0.00	72.86 1.22 0.00	100.37 1.19 0.00	115.89 0.46 0.00	101.87 1.11 0.00	82.18 0.65 0.00	67.31 1.96 0.00	53.24 1.45 0.00	43.38 0.22 0.00	38.45 0.53 0.00
OSWEGATCHIE___HYD 24044	34.77 -0.64 0.00	31.87 -0.65 0.00	29.57 -0.69 0.00	28.61 -0.67 0.00	29.04 -0.65 0.00	30.26 -0.55 0.00	32.80 -0.64 0.00	35.67 -0.65 0.00	36.93 -0.87 0.00	37.35 -1.00 0.00	39.81 -1.57 0.00	46.60 -1.74 0.00	48.17 -1.85 0.00	47.92 -1.83 7.24	52.84 -2.20 11.73	55.50 -2.15 13.99	69.53 -3.37 26.28	113.46 -1.96 0.00	98.34 -2.42 0.00	61.01 -2.20 18.33	51.78 -1.76 11.81	50.40 -1.40 0.00	41.57 -1.60 0.00	37.12 -0.80 0.00
OSWEGO___5 23606	35.20 -0.21 0.00	32.23 -0.29 0.00	29.93 -0.33 0.00	28.93 -0.35 0.00	29.34 -0.35 0.00	30.50 -0.31 0.00	33.14 -0.30 0.00	35.96 -0.36 0.00	37.50 -0.30 0.00	38.12 -0.23 0.00	41.22 -0.16 0.00	48.20 -0.14 0.00	49.87 -0.15 0.00	56.93 -0.06 0.00	66.70 -0.07 0.00	71.43 -0.21 0.00	98.88 -0.30 0.00	114.85 -0.57 0.00	100.46 -0.30 0.00	81.28 -0.24 0.00	65.48 0.13 0.00	51.84 0.05 0.00	42.95 -0.21 0.00	37.70 -0.23 0.00
OSWEGO___6 23613	35.20 -0.21 0.00	32.23 -0.29 0.00	29.93 -0.33 0.00	28.93 -0.35 0.00	29.34 -0.35 0.00	30.50 -0.31 0.00	33.14 -0.30 0.00	35.96 -0.36 0.00	37.50 -0.30 0.00	38.12 -0.23 0.00	41.22 -0.16 0.00	48.20 -0.14 0.00	49.87 -0.15 0.00	56.93 -0.06 0.00	66.70 -0.07 0.00	71.43 -0.21 0.00	98.88 -0.30 0.00	114.85 -0.57 0.00	100.46 -0.30 0.00	81.28 -0.24 0.00	65.48 0.13 0.00	51.84 0.05 0.00	42.95 -0.21 0.00	37.70 -0.23 0.00
OUTOKUMPU-AB___DRP 24206	34.56 -0.85 0.00	31.87 -0.65 0.00	29.45 -0.82 0.00	28.34 -0.94 0.00	28.95 -0.74 0.00	30.20 -0.62 0.00	33.01 -0.43 0.00	35.70 -0.62 0.00	37.73 -0.08 0.00	37.89 -0.46 0.00	41.51 0.12 0.00	48.44 0.10 0.00	49.77 -0.25 0.00	57.33 0.34 0.00	67.37 0.60 0.00	70.78 -0.86 0.00	98.19 -0.99 0.00	113.23 -2.19 0.00	99.25 -1.51 0.00	80.14 -1.39 0.00	65.48 0.13 0.00	52.10 0.31 0.00	41.74 -1.42 0.00	37.70 -0.23 0.00
OXBOW___ 24026	35.62 0.21 0.00	31.61 -0.91 0.00	29.18 -1.09 0.00	28.11 -1.17 0.00	28.59 -1.10 0.00	29.83 -0.99 0.00	32.64 -0.80 0.00	35.23 -1.09 0.00	37.20 -0.61 0.00	37.39 -0.96 0.00	40.93 -0.45 0.00	47.57 -0.78 0.00	48.92 -1.10 0.00	56.31 -0.68 0.00	66.17 -0.60 0.00	70.13 -1.51 0.00	96.40 -2.78 0.00	111.16 -4.27 0.00	97.74 -3.02 0.00	78.84 -2.69 0.00	64.90 -0.45 0.00	51.27 -0.52 0.00	41.78 -1.38 0.00	37.54 -0.38 0.00
OXY_CHEM_DSASP 323612	33.57 -1.84 0.00	30.96 -1.56 0.00	28.63 -1.63 0.00	27.61 -1.67 0.00	28.15 -1.54 0.00	29.36 -1.45 0.00	32.04 -1.40 0.00	34.61 -1.71 0.00	36.52 -1.29 0.00	36.62 -1.73 0.00	40.06 -1.32 0.00	46.84 -1.50 0.00	48.27 -1.75 0.00	55.56 -1.42 0.00	65.24 -1.54 0.00	68.49 -3.15 0.00	95.01 -4.17 0.00	109.54 -5.89 0.00	96.13 -4.64 0.00	77.61 -3.91 0.00	63.59 -1.76 0.00	50.70 -1.09 0.00	40.49 -2.68 0.00	36.63 -1.29 0.00
OZONE_PARK_ESR 323760	37.50 2.09 0.00	34.47 1.95 0.00	32.17 1.91 0.00	31.01 1.73 0.00	31.38 1.69 0.00	32.48 1.66 0.00	35.35 1.91 0.00	38.83 2.51 0.00	40.41 2.61 0.00	41.49 3.14 0.00	45.27 3.89 0.00	52.69 4.35 0.00	54.02 4.00 0.00	61.43 4.45 0.00	72.31 5.54 0.00	77.87 6.23 0.00	108.80 9.62 0.00	125.47 10.04 0.00	109.73 8.97 0.00	88.70 7.17 0.00	69.80 4.44 0.00	55.11 3.31 0.00	47.18 4.01 0.00	40.54 2.62 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	33.57 -1.84 0.00	30.96 -1.56 0.00	28.63 -1.63 0.00	27.61 -1.67 0.00	28.15 -1.54 0.00	29.36 -1.45 0.00	32.04 -1.40 0.00	34.61 -1.71 0.00	36.52 -1.29 0.00	36.62 -1.73 0.00	40.06 -1.32 0.00	46.84 -1.50 0.00	48.27 -1.75 0.00	55.56 -1.42 0.00	65.24 -1.54 0.00	68.49 -3.15 0.00	95.01 -4.17 0.00	109.54 -5.89 0.00	96.13 -4.64 0.00	77.61 -3.91 0.00	63.59 -1.76 0.00	50.70 -1.09 0.00	40.49 -2.68 0.00	36.63 -1.29 0.00
PACKARD___115KV_DUPONT_184 80571	33.57 -1.84 0.00	30.96 -1.56 0.00	28.63 -1.63 0.00	27.61 -1.67 0.00	28.15 -1.54 0.00	29.36 -1.45 0.00	32.04 -1.40 0.00	34.61 -1.71 0.00	36.52 -1.29 0.00	36.62 -1.73 0.00	40.06 -1.32 0.00	46.84 -1.50 0.00	48.27 -1.75 0.00	55.56 -1.42 0.00	65.24 -1.54 0.00	68.49 -3.15 0.00	95.01 -4.17 0.00	109.54 -5.89 0.00	96.13 -4.64 0.00	77.61 -3.91 0.00	63.59 -1.76 0.00	50.70 -1.09 0.00	40.49 -2.68 0.00	36.63 -1.29 0.00



PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	37.25 1.84 0.00	34.12 1.59 0.00	31.93 1.66 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.01 1.20 0.00	34.85 1.40 0.00	38.21 1.89 0.00	39.81 2.00 0.00	40.84 2.49 0.00	44.53 3.14 0.00	51.62 3.29 0.01	53.16 3.15 0.01	60.40 3.42 0.01	71.04 4.27 0.01	76.58 4.94 0.01	106.82 7.64 -0.01	137.69 7.85 -14.42	107.72 6.95 -0.01	87.06 5.54 0.01	68.61 3.27 0.01	54.27 2.49 0.01	46.53 3.37 0.00	40.08 2.16 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	37.60 2.20 0.00	34.44 1.92 0.00	32.26 2.00 0.00	31.06 1.79 0.00	31.41 1.72 0.00	32.32 1.51 0.00	35.18 1.74 0.00	38.57 2.25 0.00	40.18 2.38 0.00	41.22 2.88 0.00	45.02 3.64 0.00	52.15 3.82 0.01	53.61 3.60 0.01	60.97 3.99 0.01	71.70 4.94 0.01	77.22 5.59 0.01	107.71 8.53 -0.01	138.73 8.89 -14.42	108.73 7.96 -0.01	87.88 6.36 0.01	69.26 3.92 0.01	54.74 2.95 0.01	47.01 3.84 0.00	40.50 2.58 0.00
PATROON__115KV_TB1 80586	36.19 0.78 0.00	33.24 0.72 0.00	30.99 0.73 0.00	29.95 0.67 0.00	30.34 0.65 0.00	31.43 0.62 0.00	34.11 0.67 0.00	37.12 0.80 0.00	38.60 0.79 0.00	39.54 1.19 0.00	42.91 1.53 0.00	50.08 1.74 0.00	51.77 1.75 0.00	58.93 1.94 0.00	68.91 2.14 0.00	74.22 2.58 0.00	102.65 3.47 0.00	119.12 3.69 0.00	104.19 3.43 0.00	84.38 2.85 0.00	67.38 2.03 0.00	53.55 1.76 0.00	44.89 1.73 0.00	39.02 1.10 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	35.19 -0.21 0.00	32.42 -0.10 0.00	29.93 -0.33 0.00	28.84 -0.44 0.00	29.42 -0.27 0.00	30.69 -0.12 0.00	33.64 0.20 0.00	36.32 0.00 0.00	38.37 0.57 0.00	38.58 0.23 0.00	42.33 0.95 0.00	49.55 1.21 0.00	51.17 1.15 0.00	58.87 1.88 0.00	69.31 2.54 0.00	72.93 1.29 0.00	101.16 1.98 0.00	116.69 1.27 0.00	102.38 1.61 0.00	82.59 1.06 0.00	67.25 1.90 0.00	53.40 1.61 0.00	42.73 -0.43 0.00	38.42 0.49 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	37.50 2.09 0.00	34.51 1.98 0.00	32.11 1.85 0.00	31.01 1.73 0.00	31.35 1.66 0.00	32.51 1.69 0.00	35.38 1.94 0.00	38.79 2.47 0.00	40.30 2.49 0.00	41.38 3.03 0.00	45.19 3.81 0.00	52.69 4.35 0.00	54.47 4.45 0.00	62.12 5.13 0.00	72.58 5.81 0.00	78.37 6.73 0.00	109.10 9.92 0.00	126.27 10.85 0.00	110.24 9.47 0.00	89.03 7.50 0.00	70.78 5.42 0.00	56.14 4.35 0.00	47.31 4.14 0.00	40.77 2.84 0.00
PEEKSKILL____ 23653	36.79 1.38 0.00	34.02 1.50 0.00	31.72 1.45 0.00	30.63 1.35 0.00	31.00 1.30 0.00	32.11 1.29 0.00	34.91 1.47 0.00	38.10 1.78 0.00	39.92 2.12 0.00	40.96 2.61 0.00	44.23 2.85 0.00	51.53 3.19 0.00	53.12 3.10 0.00	60.41 3.42 0.00	70.98 4.21 0.00	76.37 4.73 0.00	106.41 7.24 0.00	123.04 7.62 0.00	107.41 6.65 0.00	86.91 5.38 0.00	68.62 3.27 0.00	54.43 2.64 0.00	46.23 3.07 0.00	39.97 2.05 0.00
PGE MADISON__WINDPWR 24146	39.30 3.89 0.00	35.71 3.19 0.00	32.71 2.45 0.00	31.65 2.37 0.00	32.19 2.49 0.00	33.52 2.71 0.00	36.58 3.14 0.00	39.77 3.45 0.00	41.35 3.55 0.00	42.22 3.87 0.00	45.77 4.38 0.00	53.61 5.27 0.00	55.52 5.50 0.00	63.65 6.66 0.00	74.71 7.94 0.00	80.45 8.81 0.00	111.57 12.40 0.00	130.66 15.23 0.00	114.97 14.21 0.00	93.84 12.31 0.00	75.09 9.74 0.00	59.46 7.66 0.00	48.43 5.26 0.00	42.40 4.47 0.00
PIERCEFIELD__HYD 23852	33.99 -1.42 0.00	31.12 -1.40 0.00	28.96 -1.30 0.00	28.05 -1.23 0.00	28.47 -1.22 0.00	29.61 -1.20 0.00	32.07 -1.37 0.00	34.90 -1.42 0.00	36.25 -1.55 0.00	36.54 -1.80 0.00	38.28 -3.10 0.00	44.72 -3.63 0.00	46.37 -3.65 0.00	53.00 -3.99 0.00	62.03 -4.74 0.00	66.77 -4.87 0.00	91.64 -7.54 0.00	109.65 -5.77 0.00	94.52 -6.25 0.00	75.66 -5.87 0.00	60.91 -4.44 0.00	48.11 -3.68 0.00	40.62 -2.55 0.00	36.14 -1.78 0.00
PINELAWN_CC_1 323563	39.31 2.66 -1.25	35.24 2.70 -0.02	33.54 2.57 -0.70	32.14 2.40 -0.46	32.91 2.44 -0.79	33.29 2.47 -0.01	36.87 2.77 -0.65	39.37 3.05 0.00	41.79 3.59 -0.40	44.27 4.06 -1.86	45.06 3.23 -0.45	51.63 3.29 0.00	56.90 3.85 -3.03	72.52 4.28 -11.26	94.02 5.41 -21.84	114.69 6.02 -37.03	139.47 9.23 -31.07	143.53 9.81 -18.30	127.22 8.76 -17.70	100.82 7.18 -12.12	87.62 4.31 -17.96	60.51 3.47 -5.25	50.93 3.54 -4.22	40.87 2.69 -0.25
PJM_GEN_HTP_PROXY 323702	37.00 1.59 0.00	34.24 1.72 0.00	31.90 1.63 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.39 2.07 0.00	40.26 2.46 0.00	41.34 2.99 0.00	44.65 3.27 0.00	51.83 3.63 0.14	53.61 3.45 -0.14	60.75 3.76 0.00	71.51 4.74 0.00	76.87 5.23 0.00	107.31 8.13 0.00	123.85 8.42 0.00	108.12 7.35 0.00	87.48 5.95 0.00	70.28 3.46 -1.47	55.00 2.69 -0.51	44.59 3.41 1.98	40.20 2.28 0.00
PJM_GEN_KEystone 24065	35.95 0.64 0.09	32.88 0.36 0.00	30.50 0.24 0.00	29.45 0.18 0.00	29.87 0.18 0.00	31.03 0.22 0.00	33.81 0.37 0.00	36.56 0.44 0.19	38.27 0.80 0.33	38.96 1.00 0.38	42.04 1.24 0.58	48.72 1.45 1.07	50.53 1.40 0.89	57.20 1.71 1.50	66.93 2.27 2.11	71.30 2.15 2.49	99.55 3.17 2.80	114.41 2.77 3.78	99.95 2.82 3.63	80.41 2.12 3.24	66.44 1.70 0.61	52.56 1.34 0.57	41.80 1.21 2.57	38.51 0.87 0.29
PJM_GEN_NEPTUNE_PROXY 323594	38.67 2.02 -1.24	34.65 2.11 -0.02	33.00 2.03 -0.70	31.61 1.88 -0.46	32.38 1.90 -0.79	32.73 1.91 -0.01	36.20 2.11 -0.65	38.68 2.36 0.00	40.67 2.87 0.00	41.68 3.33 0.00	44.32 2.94 0.00	51.39 3.19 0.14	53.87 3.70 -0.15	65.54 3.93 -4.63	79.46 4.87 -7.81	100.36 5.38 -23.34	126.94 8.23 -19.53	131.80 8.66 -7.71	114.42 7.76 -5.90	87.82 6.28 -0.02	70.54 3.72 -1.47	55.41 3.11 -0.51	44.55 3.37 1.98	40.27 2.35 0.00
PJM_GEN_VFT_PROXY 323633	35.41 1.35 1.35	34.05 1.53 0.00	31.75 1.48 0.00	30.63 1.35 0.00	31.00 1.30 0.00	32.11 1.29 0.00	34.91 1.47 0.00	35.40 1.85 2.77	35.36 2.23 4.68	35.64 2.76 5.47	36.05 2.98 8.32	38.19 3.29 13.44	38.47 3.05 14.60	38.81 3.25 21.42	40.71 4.14 30.20	40.72 4.59 35.51	66.53 7.34 39.98	68.97 7.50 53.95	55.55 6.65 51.86	40.55 5.30 46.27	40.02 2.87 28.21	39.02 2.28 15.05	35.84 3.11 10.44	35.80 2.01 4.14
PLATSBRG_115KV_PMLD1 355749	35.05 -0.35 0.00	32.20 -0.33 0.00	30.23 -0.03 0.00	29.28 0.00 0.00	29.72 0.03 0.00	30.94 0.12 0.00	33.24 -0.20 0.00	36.10 -0.22 0.00	37.54 -0.26 0.00	37.81 -0.54 0.00	40.26 -1.12 0.00	47.04 -1.31 0.00	48.72 -1.30 0.00	55.51 -1.48 0.00	65.03 -1.74 0.00	69.92 -1.72 0.00	95.90 -3.27 0.00	112.88 -2.54 0.00	97.94 -2.82 0.00	78.84 -2.69 0.00	63.85 -1.50 0.00	50.29 -1.50 0.00	41.91 -1.25 0.00	37.16 -0.76 0.00
PLEASANTVLY__LBMP 24000	36.65 1.24 0.00	33.72 1.20 0.00	31.47 1.21 0.00	30.42 1.14 0.00	30.79 1.10 0.00	31.86 1.05 0.00	34.58 1.14 0.00	37.77 1.45 0.00	39.28 1.47 0.00	40.30 1.96 0.00	43.91 2.52 0.00	51.15 2.80 0.00	52.67 2.65 0.00	59.89 2.91 0.00	70.31 3.54 0.00	75.80 4.16 0.00	105.33 6.15 0.00	121.77 6.35 0.00	106.51 5.74 0.00	86.26 4.73 0.00	68.36 3.01 0.00	54.02 2.23 0.00	45.84 2.68 0.00	39.63 1.71 0.00



PLSNTVLE_13_KV_13.8KVDIST 80602	37.03 1.63 0.00	34.08 1.56 0.00	31.78 1.51 0.00	30.68 1.41 0.00	31.06 1.37 0.00	32.17 1.36 0.00	34.95 1.50 0.00	38.25 1.93 0.00	39.84 2.04 0.00	40.88 2.53 0.00	44.57 3.19 0.00	51.92 3.58 0.00	53.47 3.45 0.00	60.69 3.70 0.00	71.31 4.54 0.00	76.87 5.23 0.00	107.11 7.93 0.00	123.62 8.20 0.00	108.12 7.36 0.00	87.40 5.87 0.00	69.14 3.79 0.00	54.69 2.90 0.00	46.49 3.32 0.00	40.08 2.16 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	37.03 1.63 0.00	34.08 1.56 0.00	31.78 1.51 0.00	30.68 1.41 0.00	31.06 1.37 0.00	32.17 1.36 0.00	34.95 1.50 0.00	38.25 1.93 0.00	39.84 2.04 0.00	40.88 2.53 0.00	44.57 3.19 0.00	51.92 3.58 0.00	53.47 3.45 0.00	60.69 3.70 0.00	71.31 4.54 0.00	76.87 5.23 0.00	107.11 7.93 0.00	123.62 8.20 0.00	108.12 7.36 0.00	87.40 5.87 0.00	69.14 3.79 0.00	54.69 2.90 0.00	46.49 3.32 0.00	40.08 2.16 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	36.96 1.56 0.00	34.05 1.53 0.00	31.75 1.48 0.00	30.65 1.38 0.00	31.03 1.34 0.00	32.08 1.26 0.00	34.81 1.37 0.00	38.25 1.93 0.00	39.65 1.85 0.00	40.69 2.34 0.00	44.32 2.94 0.00	51.77 3.43 0.00	53.52 3.50 0.00	60.86 3.88 0.00	71.31 4.54 0.00	77.09 5.44 0.00	107.41 8.23 0.00	124.08 8.66 0.00	108.52 7.76 0.00	87.81 6.28 0.00	69.53 4.18 0.00	55.05 3.26 0.00	46.58 3.41 0.00	40.16 2.24 0.00
POLETTI____ 23519	37.07 1.66 0.00	34.12 1.59 0.00	31.84 1.57 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.17 1.36 0.00	34.95 1.50 0.00	38.35 2.03 0.00	39.92 2.12 0.00	40.99 2.65 0.00	44.69 3.31 0.00	51.97 3.63 0.00	53.32 3.30 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.80 5.16 0.00	107.11 7.93 0.00	123.62 8.20 0.00	108.02 7.25 0.00	87.32 5.79 0.00	68.75 3.40 0.00	54.33 2.54 0.00	46.53 3.37 0.00	40.05 2.12 0.00
POMONA____ESR 323819	36.64 1.24 0.00	33.92 1.40 0.00	31.59 1.33 0.00	30.54 1.26 0.00	30.91 1.22 0.00	31.98 1.17 0.00	34.74 1.30 0.00	37.92 1.60 0.00	39.73 1.93 0.00	40.76 2.42 0.00	44.03 2.65 0.00	51.34 3.00 0.00	52.97 2.95 0.00	60.18 3.19 0.00	70.71 3.94 0.00	76.08 4.44 0.00	106.12 6.94 0.00	122.58 7.16 0.00	107.12 6.35 0.00	86.58 5.06 0.00	68.29 2.94 0.00	54.23 2.43 0.00	46.06 2.89 0.00	39.78 1.86 0.00
PORT_JEFF_3 23555	39.46 2.80 -1.25	35.43 2.89 -0.02	33.72 2.75 -0.70	32.28 2.55 -0.46	33.06 2.58 -0.79	33.44 2.62 -0.01	37.04 2.94 -0.65	39.48 3.16 0.00	43.49 3.74 -1.94	48.03 4.03 -5.66	51.77 3.35 -7.04	51.97 3.63 0.00	101.94 4.25 -47.68	170.46 4.39 -109.08	300.96 5.41 -228.78	316.55 5.94 -238.96	309.34 8.93 -201.24	299.31 9.47 -174.42	300.91 8.47 -191.68	279.15 7.01 -190.61	352.49 4.31 -282.82	138.04 3.52 -82.72	113.40 3.75 -66.49	44.55 2.65 -3.97
PORT_JEFF_4 23616	39.46 2.80 -1.25	35.43 2.89 -0.02	33.72 2.75 -0.70	32.28 2.55 -0.46	33.06 2.58 -0.79	33.44 2.62 -0.01	37.04 2.94 -0.65	39.48 3.16 0.00	43.49 3.74 -1.94	48.03 4.03 -5.66	51.77 3.35 -7.04	51.97 3.63 0.00	101.94 4.25 -47.68	170.46 4.39 -109.08	300.96 5.41 -228.78	316.55 5.94 -238.96	309.34 8.93 -201.24	299.31 9.47 -174.42	300.91 8.47 -191.68	279.15 7.01 -190.61	352.49 4.31 -282.82	138.04 3.52 -82.72	113.40 3.75 -66.49	44.55 2.65 -3.97
PORT_JEFF_IC 23713	39.60 2.94 -1.26	35.53 2.99 -0.02	33.84 2.88 -0.70	32.40 2.66 -0.46	33.15 2.67 -0.79	33.53 2.71 -0.01	37.17 3.07 -0.65	39.63 3.30 0.00	43.79 3.89 -2.10	48.28 4.22 -5.72	53.03 3.52 -8.13	52.01 3.67 0.00	109.46 4.35 -55.09	186.93 4.61 -125.33	330.69 5.74 -258.18	350.45 6.31 -272.50	338.10 9.43 -229.50	325.81 10.04 -200.35	330.31 8.96 -220.58	304.24 7.42 -215.29	391.77 4.57 -321.84	146.15 3.73 -90.62	123.83 3.84 -76.83	45.44 2.92 -4.59
PPL PILGRIM_ST_GT1 24216	39.49 2.83 -1.25	35.50 2.96 -0.02	33.78 2.82 -0.70	32.34 2.60 -0.46	33.12 2.64 -0.79	33.50 2.68 -0.01	37.10 3.01 -0.65	39.59 3.27 0.00	44.08 3.78 -2.50	55.32 4.37 -12.60	46.46 3.64 -1.43	52.21 3.87 0.00	64.05 4.30 -9.73	87.70 4.79 -25.93	125.59 5.94 -52.88	145.47 6.52 -67.31	165.59 9.82 -56.59	167.64 10.50 -41.71	153.92 9.37 -43.79	128.07 7.66 -38.88	127.74 4.71 -57.68	72.49 3.83 -16.87	60.69 3.97 -13.56	41.69 2.96 -0.81
PPL PILGRIM_ST_GT2 24217	39.49 2.83 -1.25	35.50 2.96 -0.02	33.78 2.82 -0.70	32.34 2.60 -0.46	33.12 2.64 -0.79	33.50 2.68 -0.01	37.10 3.01 -0.65	39.59 3.27 0.00	44.08 3.78 -2.50	55.32 4.37 -12.60	46.46 3.64 -1.43	52.21 3.87 0.00	64.05 4.30 -9.73	87.70 4.79 -25.93	125.59 5.94 -52.88	145.47 6.52 -67.31	165.59 9.82 -56.59	167.64 10.50 -41.71	153.92 9.37 -43.79	128.07 7.66 -38.88	127.74 4.71 -57.68	72.49 3.83 -16.87	60.69 3.97 -13.56	41.69 2.96 -0.81
PPL_SHRM_GT3 24213	39.95 3.29 -1.26	35.82 3.28 -0.02	34.11 3.15 -0.70	32.67 2.93 -0.46	33.42 2.94 -0.79	33.84 3.02 -0.01	37.50 3.41 -0.65	39.95 3.63 0.00	44.01 4.23 -1.97	48.74 4.68 -5.71	52.74 4.18 -7.18	52.98 4.64 0.00	104.10 5.40 -48.68	174.36 6.10 -111.27	323.72 6.14 -250.81	321.79 6.66 -243.49	313.65 9.43 -205.05	303.50 10.16 -177.92	306.33 9.98 -195.58	302.17 8.64 -212.01	377.91 6.41 -306.15	158.72 5.08 -101.85	115.88 4.83 -67.88	45.58 3.60 -4.06
PPL_SHRM_GT4 24214	39.95 3.29 -1.26	35.82 3.28 -0.02	34.11 3.15 -0.70	32.67 2.93 -0.46	33.42 2.94 -0.79	33.84 3.02 -0.01	37.50 3.41 -0.65	39.95 3.63 0.00	44.01 4.23 -1.97	48.74 4.68 -5.71	52.74 4.18 -7.18	52.98 4.64 0.00	104.10 5.40 -48.68	174.36 6.10 -111.27	323.72 6.14 -250.81	321.79 6.66 -243.49	313.65 9.43 -205.05	303.50 10.16 -177.92	306.33 9.98 -195.58	302.17 8.64 -212.01	377.91 6.41 -306.15	158.72 5.08 -101.85	115.88 4.83 -67.88	45.58 3.60 -4.06
PROJECT____ORANGE 1 24174	35.55 0.14 0.00	32.62 0.10 0.00	30.23 -0.03 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.87 0.06 0.00	33.57 0.13 0.00	36.39 0.07 0.00	37.95 0.15 0.00	38.62 0.27 0.00	41.92 0.54 0.00	49.07 0.73 0.00	50.82 0.80 0.00	58.01 1.03 0.00	67.97 1.20 0.00	72.57 0.93 0.00	100.57 1.39 0.00	116.69 1.27 0.00	102.07 1.31 0.00	82.67 1.14 0.00	66.46 1.11 0.00	52.72 0.93 0.00	43.47 0.30 0.00	38.15 0.23 0.00
PROJECT____ORANGE 2 24166	35.55 0.14 0.00	32.62 0.10 0.00	30.23 -0.03 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.87 0.06 0.00	33.57 0.13 0.00	36.39 0.07 0.00	37.95 0.15 0.00	38.62 0.27 0.00	41.92 0.54 0.00	49.07 0.73 0.00	50.82 0.80 0.00	58.01 1.03 0.00	67.97 1.20 0.00	72.57 0.93 0.00	100.57 1.39 0.00	116.69 1.27 0.00	102.07 1.31 0.00	82.67 1.14 0.00	66.46 1.11 0.00	52.72 0.93 0.00	43.47 0.30 0.00	38.15 0.23 0.00
PUCKETT____SOLAR 323809	36.93 1.52 0.00	33.66 1.14 0.00	31.11 0.85 0.00	30.10 0.82 0.00	30.55 0.86 0.00	31.77 0.96 0.00	34.61 1.17 0.00	37.56 1.24 0.00	39.09 1.29 0.00	39.77 1.42 0.00	43.04 1.66 0.00	50.28 1.94 0.00	52.02 2.00 0.00	59.38 2.39 0.00	69.71 2.93 0.00	74.79 3.15 0.00	103.74 4.56 0.00	120.96 5.54 0.00	106.20 5.44 0.00	86.25 4.73 0.00	69.40 4.05 0.00	54.95 3.16 0.00	45.32 2.16 0.00	39.71 1.78 0.00



PYRITES___HYD 24023	34.63 -0.78 0.00	31.74 -0.78 0.00	29.51 -0.76 0.00	28.58 -0.70 0.00	28.98 -0.71 0.00	30.20 -0.62 0.00	32.71 -0.74 0.00	35.59 -0.73 0.00	36.97 -0.83 0.00	37.27 -1.07 0.00	39.11 -2.28 0.00	45.73 -2.61 0.00	47.42 -2.60 0.00	54.20 -2.79 0.00	63.50 -3.27 0.00	68.27 -3.37 0.00	93.72 -5.45 0.00	112.08 -3.35 0.00	96.73 -4.03 0.00	77.45 -4.08 0.00	62.35 -3.01 0.00	49.25 -2.54 0.00	41.48 -1.68 0.00	36.94 -0.99 0.00
QUAKERRD_115KV_BK1 80622	34.45 -0.96 0.00	31.64 -0.88 0.00	29.33 -0.94 0.00	28.28 -1.00 0.00	28.80 -0.89 0.00	30.01 -0.80 0.00	32.74 -0.70 0.00	35.52 -0.80 0.00	37.20 -0.60 0.00	37.66 -0.69 0.00	40.97 -0.41 0.00	48.05 -0.29 0.00	49.77 -0.25 0.00	57.04 0.06 0.00	66.97 0.20 0.00	71.21 -0.43 0.00	98.68 -0.50 0.00	114.27 -1.15 0.00	100.16 -0.60 0.00	81.04 -0.49 0.00	65.48 0.13 0.00	51.95 0.16 0.00	42.13 -1.04 0.00	37.32 -0.61 0.00
QUENSBRY_115KV_TB8 356137	38.03 2.62 0.00	34.83 2.31 0.00	32.38 2.12 0.00	31.24 1.96 0.00	31.68 1.99 0.00	32.94 2.13 0.00	35.82 2.37 0.00	38.90 2.58 0.00	40.52 2.72 0.00	41.65 3.30 0.00	45.35 3.97 0.00	53.42 5.08 0.00	55.27 5.25 0.00	63.20 6.21 0.00	72.65 5.88 0.00	78.09 6.45 0.00	108.40 9.22 0.00	126.16 10.73 0.00	110.34 9.57 0.00	88.95 7.42 0.00	71.36 6.01 0.00	56.97 5.18 0.00	47.31 4.14 0.00	41.18 3.26 0.00
RAMAPO___LBMP 323565	36.61 1.20 0.00	33.69 1.17 0.00	31.44 1.18 0.00	30.36 1.08 0.00	30.73 1.04 0.00	31.80 0.99 0.00	34.51 1.07 0.00	37.77 1.45 0.00	39.31 1.51 0.00	40.30 1.96 0.00	43.95 2.57 0.00	51.19 2.85 0.00	52.77 2.75 0.00	59.95 2.96 0.00	70.44 3.67 0.00	75.94 4.30 0.00	105.62 6.45 0.00	122.00 6.58 0.00	106.71 5.95 0.00	86.26 4.73 0.00	68.29 2.94 0.00	54.02 2.23 0.00	45.88 2.72 0.00	39.59 1.67 0.00
RANKINE____ 23646	34.98 -0.42 0.00	32.23 -0.29 0.00	29.81 -0.45 0.00	28.69 -0.59 0.00	29.28 -0.42 0.00	30.54 -0.28 0.00	33.44 0.00 0.00	36.14 -0.18 0.00	38.18 0.38 0.00	38.39 0.04 0.00	42.04 0.66 0.00	49.21 0.87 0.00	50.77 0.75 0.00	58.41 1.42 0.00	68.71 1.94 0.00	72.29 0.64 0.00	100.27 1.09 0.00	115.65 0.23 0.00	101.37 0.60 0.00	81.77 0.24 0.00	66.79 1.44 0.00	53.09 1.29 0.00	42.43 -0.73 0.00	38.19 0.27 0.00
RAVENSWOOD_GT2_1 24244	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.96 2.15 0.00	41.03 2.68 0.00	44.69 3.31 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.80 5.16 0.00	107.11 7.93 0.00	123.50 8.08 0.00	107.92 7.15 0.00	87.32 5.79 0.00	68.82 3.46 0.00	54.38 2.59 0.00	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT2_2 24245	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.96 2.15 0.00	41.03 2.68 0.00	44.69 3.31 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.80 5.16 0.00	107.11 7.93 0.00	123.50 8.08 0.00	107.92 7.15 0.00	87.32 5.79 0.00	68.82 3.46 0.00	54.38 2.59 0.00	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT2_3 24246	37.14 1.73 0.00	34.18 1.66 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.20 1.39 0.00	35.01 1.57 0.00	38.43 2.11 0.00	39.99 2.19 0.00	41.07 2.72 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.63 3.65 0.00	71.38 4.61 0.00	76.87 5.23 0.00	107.21 8.03 0.00	123.62 8.20 0.00	108.02 7.25 0.00	87.40 5.87 0.00	68.88 3.53 0.00	54.43 2.64 0.00	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT2_4 24247	37.14 1.73 0.00	34.18 1.66 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.20 1.39 0.00	35.01 1.57 0.00	38.43 2.11 0.00	39.99 2.19 0.00	41.07 2.72 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.63 3.65 0.00	71.38 4.61 0.00	76.87 5.23 0.00	107.21 8.03 0.00	123.62 8.20 0.00	108.02 7.25 0.00	87.40 5.87 0.00	68.88 3.53 0.00	54.43 2.64 0.00	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT3_1 24248	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.96 2.15 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.80 5.16 0.00	107.11 7.93 0.00	123.50 8.08 0.00	108.02 7.25 0.00	87.32 5.79 0.00	68.82 3.46 0.00	54.43 2.64 0.00	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT3_2 24249	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.96 2.15 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.80 5.16 0.00	107.11 7.93 0.00	123.50 8.08 0.00	108.02 7.25 0.00	87.32 5.79 0.00	68.82 3.46 0.00	54.43 2.64 0.00	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT3_3 24250	37.21 1.81 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.11 2.76 0.00	44.82 3.43 0.00	52.11 3.77 0.00	53.47 3.45 0.00	60.75 3.76 0.00	71.44 4.67 0.00	76.94 5.30 0.00	107.31 8.13 0.00	123.85 8.43 0.00	108.22 7.46 0.00	87.56 6.03 0.00	68.95 3.59 0.00	54.54 2.74 0.00	46.66 3.50 0.00	40.16 2.24 0.00
RAVENSWOOD_GT3_4 24251	37.21 1.81 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.11 2.76 0.00	44.82 3.43 0.00	52.11 3.77 0.00	53.47 3.45 0.00	60.75 3.76 0.00	71.44 4.67 0.00	76.94 5.30 0.00	107.31 8.13 0.00	123.85 8.43 0.00	108.22 7.46 0.00	87.56 6.03 0.00	68.95 3.59 0.00	54.54 2.74 0.00	46.66 3.50 0.00	40.16 2.24 0.00
RAVENSWOOD_GT_1 23729	37.07 1.66 0.00	34.31 1.79 0.00	31.99 1.72 0.00	30.83 1.55 0.00	31.23 1.54 0.00	32.29 1.48 0.00	35.15 1.70 0.00	38.46 2.14 0.00	40.37 2.57 0.00	41.53 3.18 0.00	44.69 3.31 0.00	51.82 3.48 0.01	53.22 3.20 0.01	58.68 3.42 1.72	68.76 4.28 2.29	63.29 4.80 13.15	103.73 7.64 3.09	111.15 7.73 12.00	79.62 6.86 28.00	67.21 5.46 19.78	58.90 3.07 9.53	51.56 2.49 2.72	46.53 3.37 0.00	40.24 2.31 0.00
RAVENSWOOD_GT_10 24258	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.44 3.65 0.20	71.31 4.54 0.00	75.57 5.16 1.22	107.11 7.93 0.00	122.94 8.20 0.67	104.98 7.25 3.04	85.65 5.79 1.67	68.09 3.46 0.72	54.12 2.64 0.31	46.58 3.41 0.00	40.12 2.20 0.00



RAVENSWOOD_GT_11 24259	37.04 1.63 0.00	34.28 1.75 0.00	31.96 1.69 0.00	30.83 1.55 0.00	31.20 1.51 0.00	32.32 1.51 0.00	35.15 1.70 0.00	38.43 2.11 0.00	40.34 2.53 0.00	41.42 3.07 0.00	44.69 3.31 0.00	51.97 3.63 0.00	53.37 3.35 0.00	60.44 3.65 0.20	71.31 4.54 0.00	75.43 5.01 1.22	107.11 7.94 0.00	122.95 8.20 0.67	104.98 7.26 3.04	85.65 5.79 1.67	67.96 3.33 0.72	54.17 2.69 0.31	46.57 3.41 0.00	40.24 2.31 0.00
RAVENSWOOD_GT_4 24252	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.20 1.39 0.00	35.01 1.57 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.06 3.72 0.00	53.41 3.40 0.01	59.38 3.70 1.31	69.63 4.61 1.74	66.86 5.23 10.01	104.86 8.03 2.35	119.28 8.31 4.45	86.80 7.36 21.32	72.42 5.95 15.06	61.63 3.53 7.26	52.42 2.69 2.07	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT_5 24254	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.20 1.39 0.00	35.01 1.57 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.06 3.72 0.00	53.41 3.40 0.01	59.38 3.70 1.31	69.63 4.61 1.74	66.86 5.23 10.01	104.86 8.03 2.35	119.28 8.31 4.45	86.80 7.36 21.32	72.42 5.95 15.06	61.63 3.53 7.26	52.42 2.69 2.07	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT_6 24253	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.20 1.39 0.00	35.01 1.57 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.06 3.72 0.00	53.41 3.40 0.01	59.38 3.70 1.31	69.63 4.61 1.74	66.86 5.23 10.01	104.86 8.03 2.35	119.28 8.31 4.45	86.80 7.36 21.32	72.42 5.95 15.06	61.63 3.53 7.26	52.42 2.69 2.07	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT_7 24255	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.12 1.43 0.00	32.20 1.39 0.00	35.01 1.57 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.06 3.72 0.00	53.41 3.40 0.01	59.38 3.70 1.31	69.63 4.61 1.74	66.86 5.23 10.01	104.86 8.03 2.35	119.28 8.31 4.45	86.80 7.36 21.32	72.42 5.95 15.06	61.63 3.53 7.26	52.42 2.69 2.07	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.44 3.65 0.20	71.31 4.54 0.00	75.57 5.16 1.22	107.11 7.93 0.00	122.94 8.20 0.67	104.98 7.25 3.04	85.65 5.79 1.67	68.09 3.46 0.72	54.12 2.64 0.31	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD_GT_9 24257	37.14 1.73 0.00	34.15 1.63 0.00	31.87 1.60 0.00	30.74 1.46 0.00	31.09 1.40 0.00	32.20 1.39 0.00	34.98 1.54 0.00	38.39 2.07 0.00	39.99 2.19 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.02 3.67 0.00	53.37 3.35 0.00	60.44 3.65 0.20	71.31 4.54 0.00	75.57 5.16 1.22	107.11 7.93 0.00	122.94 8.20 0.67	104.98 7.25 3.04	85.65 5.79 1.67	68.09 3.46 0.72	54.12 2.64 0.31	46.58 3.41 0.00	40.12 2.20 0.00
RAVENSWOOD___1 23533	37.04 1.63 0.00	34.28 1.75 0.00	31.96 1.69 0.00	30.83 1.55 0.00	31.20 1.51 0.00	32.26 1.45 0.00	35.11 1.67 0.00	38.46 2.14 0.00	40.34 2.53 0.00	41.49 3.15 0.00	44.65 3.27 0.00	51.77 3.43 0.01	53.16 3.15 0.01	58.36 3.36 1.99	65.73 4.28 5.32	58.20 4.73 18.17	99.53 7.53 7.18	102.07 7.73 21.09	73.20 6.75 34.32	57.89 5.46 29.10	53.57 3.07 14.85	51.08 2.43 3.14	46.53 3.37 0.00	40.24 2.31 0.00
RAVENSWOOD___2 23534	36.96 1.56 0.00	34.21 1.69 0.00	31.90 1.63 0.00	30.74 1.46 0.00	31.15 1.45 0.00	32.20 1.39 0.00	35.05 1.61 0.00	38.35 2.03 0.00	40.26 2.46 0.00	41.42 3.07 0.00	44.53 3.14 0.00	51.33 3.00 0.01	52.71 2.70 0.01	57.84 2.85 2.00	64.97 3.60 5.40	57.42 4.08 18.30	98.43 6.54 7.29	100.66 6.58 21.34	72.22 5.94 34.49	56.90 4.73 29.35	52.84 2.48 15.00	50.66 2.02 3.15	46.23 3.07 0.00	40.12 2.20 0.00
RAVENSWOOD___3 23535	37.04 1.63 0.00	34.28 1.75 0.00	31.96 1.69 0.00	30.83 1.55 0.00	31.20 1.51 0.00	32.32 1.51 0.00	35.15 1.70 0.00	38.46 2.14 0.00	40.34 2.53 0.00	41.42 3.07 0.00	44.69 3.31 0.00	51.97 3.63 0.00	53.37 3.35 0.00	60.58 3.59 0.00	71.31 4.54 0.00	76.65 5.01 0.00	107.11 7.94 0.00	123.62 8.20 0.00	107.92 7.16 0.00	87.32 5.79 0.00	68.68 3.33 0.00	54.43 2.64 0.00	46.57 3.41 0.00	40.24 2.31 0.00
RAVENSWOOD___4 23820	37.04 1.63 0.00	34.28 1.75 0.00	31.96 1.69 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.23 1.42 0.00	35.08 1.64 0.00	38.43 2.11 0.00	40.30 2.49 0.00	41.45 3.10 0.00	44.65 3.27 0.00	51.72 3.38 0.01	53.11 3.10 0.01	58.03 3.30 2.27	62.59 4.21 8.39	53.03 4.65 23.26	95.29 7.44 11.33	92.74 7.62 30.30	66.80 6.75 40.72	48.35 5.38 38.56	48.10 3.01 20.25	50.65 2.43 3.57	46.49 3.32 0.00	40.20 2.28 0.00
RCPI_TRUST___DRP 24196	37.18 1.77 0.00	34.18 1.66 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.11 2.76 0.00	44.86 3.48 0.00	52.21 3.87 0.00	53.62 3.60 0.00	60.86 3.88 0.00	71.65 4.87 0.00	77.16 5.52 0.00	107.61 8.43 0.00	124.20 8.77 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.08 3.73 0.00	54.54 2.74 0.00	46.66 3.50 0.00	40.16 2.24 0.00
RED___ROCHESTER 323720	36.33 0.92 0.00	32.62 0.10 0.00	30.17 -0.09 0.00	29.10 -0.17 0.00	29.54 -0.15 0.00	30.84 0.03 0.00	33.71 0.27 0.00	36.58 0.26 0.00	38.33 0.53 0.00	38.84 0.50 0.00	42.33 0.95 0.00	49.65 1.31 0.00	51.37 1.35 0.00	59.04 2.05 0.00	69.24 2.47 0.00	73.86 2.22 0.00	101.75 2.57 0.00	117.85 2.43 0.00	103.58 2.82 0.00	83.81 2.28 0.00	68.10 2.74 0.00	53.81 2.02 0.00	43.90 0.73 0.00	38.72 0.80 0.00
REGAN___SOLAR 323812	39.65 4.25 0.00	36.23 3.71 0.00	33.62 3.36 0.00	32.41 3.13 0.00	32.93 3.24 0.00	34.26 3.45 0.00	37.82 4.38 0.00	40.82 4.50 0.00	42.41 4.61 0.00	42.99 4.64 0.00	46.22 4.84 0.00	54.48 6.14 0.00	56.12 6.10 0.00	64.91 7.92 0.00	76.45 9.68 0.00	82.38 10.74 0.00	115.24 16.06 0.00	134.46 19.04 0.00	117.80 17.03 0.00	94.82 13.29 0.00	76.40 11.05 0.00	60.55 8.76 0.00	49.81 6.64 0.00	43.31 5.38 0.00
RENSSELAER___COGEN 23796	35.90 0.50 0.00	33.11 0.59 0.00	30.87 0.61 0.00	29.86 0.59 0.00	30.25 0.56 0.00	31.34 0.52 0.00	33.97 0.53 0.00	36.94 0.62 0.00	38.52 0.72 0.00	39.42 1.07 0.00	42.58 1.20 0.00	49.55 1.21 0.00	51.12 1.10 0.00	58.19 1.20 0.00	68.04 1.27 0.00	73.21 1.57 0.00	101.46 2.28 0.00	117.73 2.31 0.00	102.88 2.12 0.00	83.48 1.95 0.00	66.53 1.18 0.00	52.98 1.19 0.00	44.55 1.38 0.00	38.76 0.83 0.00



REPUBLIC_115KV_BARTNBRK 55605	40.43 5.03 0.00	36.98 4.46 0.00	34.26 3.99 0.00	32.94 3.66 0.00	33.43 3.74 0.00	34.85 4.04 0.00	37.92 4.48 0.00	41.15 4.83 0.00	42.94 5.14 0.00	44.33 5.98 0.00	48.54 7.16 0.00	57.67 9.33 0.00	59.42 9.40 0.00	68.21 11.23 0.00	78.26 11.48 0.00	83.96 12.32 0.00	116.63 17.46 0.00	136.08 20.66 0.00	118.80 18.04 0.00	95.22 13.70 0.00	76.92 11.57 0.00	61.48 9.69 0.00	50.29 7.12 0.00	43.88 5.95 0.00
REVERE_CPPR_DRP 24186	36.72 1.31 0.00	33.66 1.14 0.00	31.11 0.85 0.00	30.07 0.79 0.00	30.58 0.89 0.00	31.80 0.99 0.00	34.54 1.10 0.00	37.59 1.27 0.00	39.16 1.36 0.00	39.92 1.57 0.00	43.29 1.90 0.00	50.71 2.37 0.00	52.47 2.45 0.00	60.06 3.08 0.00	70.38 3.61 0.00	75.51 3.87 0.00	104.63 5.45 0.00	121.54 6.12 0.00	106.21 5.44 0.00	86.34 4.81 0.00	68.95 3.59 0.00	54.69 2.90 0.00	44.98 1.81 0.00	39.52 1.59 0.00
REYNOLDS_115KV_TB3 80639	36.19 0.78 0.00	33.24 0.72 0.00	31.02 0.76 0.00	29.98 0.70 0.00	30.37 0.68 0.00	31.49 0.68 0.00	34.14 0.70 0.00	37.16 0.84 0.00	38.60 0.79 0.00	39.54 1.19 0.00	42.91 1.53 0.00	50.03 1.69 0.00	51.72 1.70 0.00	58.81 1.82 0.00	68.84 2.07 0.00	74.22 2.58 0.00	102.65 3.47 0.00	119.12 3.69 0.00	104.19 3.43 0.00	84.54 3.02 0.00	67.44 2.09 0.00	53.50 1.71 0.00	44.93 1.77 0.00	39.02 1.10 0.00
RIVERBAY____ 323610	37.60 2.20 0.00	34.44 1.92 0.00	32.26 2.00 0.00	31.06 1.79 0.00	31.41 1.72 0.00	32.32 1.51 0.00	35.18 1.74 0.00	38.57 2.25 0.00	40.18 2.38 0.00	41.22 2.88 0.00	45.02 3.64 0.00	52.15 3.82 0.01	53.61 3.60 0.01	60.97 3.99 0.01	71.70 4.94 0.01	77.22 5.59 0.01	107.71 8.53 -0.01	138.73 8.89 -14.42	108.73 7.96 -0.01	87.88 6.36 0.01	69.26 3.92 0.01	54.74 2.95 0.01	47.01 3.84 0.00	40.50 2.58 0.00
RIVERSDE_115KV_TB3 55908	36.11 0.71 0.00	33.17 0.65 0.00	30.96 0.70 0.00	29.92 0.64 0.00	30.31 0.62 0.00	31.40 0.59 0.00	34.08 0.64 0.00	37.08 0.76 0.00	38.52 0.72 0.00	39.46 1.11 0.00	42.83 1.45 0.00	49.94 1.60 0.00	51.62 1.60 0.00	58.75 1.77 0.00	68.71 1.94 0.00	74.00 2.36 0.00	102.45 3.27 0.00	118.89 3.46 0.00	103.99 3.22 0.00	84.30 2.77 0.00	67.25 1.90 0.00	53.40 1.61 0.00	44.81 1.64 0.00	38.95 1.02 0.00
ROARING__BROOK_WT_PWR 323790	35.05 -0.35 0.00	32.20 -0.33 0.00	29.96 -0.30 0.00	29.01 -0.26 0.00	29.42 -0.27 0.00	30.56 -0.25 0.00	33.17 -0.27 0.00	36.07 -0.25 0.00	37.50 -0.30 0.00	37.96 -0.38 0.00	40.89 -0.49 0.00	47.76 -0.58 0.00	49.42 -0.60 0.00	56.38 -0.85 -0.24	66.09 -1.07 -0.39	70.96 -1.15 -0.46	98.37 -1.69 -0.88	113.81 -1.62 0.00	99.15 -1.62 0.00	80.75 -1.39 -0.61	64.70 -1.05 -0.39	51.12 -0.67 0.00	42.52 -0.65 0.00	37.51 -0.42 0.00
ROCHESRG_115KV_T4 355643	35.02 -0.39 0.00	32.20 -0.33 0.00	29.81 -0.45 0.00	28.78 -0.50 0.00	29.28 -0.42 0.00	30.54 -0.28 0.00	33.31 -0.13 0.00	36.14 -0.18 0.00	37.84 0.04 0.00	38.27 -0.08 0.00	41.71 0.33 0.00	48.87 0.53 0.00	50.57 0.55 0.00	58.01 1.03 0.00	68.11 1.34 0.00	72.21 0.57 0.00	100.17 0.99 0.00	116.00 0.58 0.00	101.67 0.91 0.00	82.26 0.73 0.00	66.66 1.31 0.00	52.93 1.14 0.00	42.78 -0.39 0.00	38.00 0.08 0.00
ROCHESTER_9_IC 23652	35.26 -0.14 0.00	32.39 -0.13 0.00	29.99 -0.27 0.00	28.93 -0.35 0.00	29.45 -0.24 0.00	30.72 -0.09 0.00	33.54 0.10 0.00	36.39 0.07 0.00	38.14 0.34 0.00	38.58 0.23 0.00	42.04 0.66 0.00	49.31 0.97 0.00	51.02 1.00 0.00	58.58 1.60 0.00	68.77 2.00 0.00	72.86 1.22 0.00	101.06 1.88 0.00	117.04 1.62 0.00	102.68 1.91 0.00	83.08 1.55 0.00	67.31 1.96 0.00	53.45 1.66 0.00	43.12 -0.04 0.00	38.30 0.38 0.00
ROCKVIEW_13_KV_LD 356306	37.21 1.81 0.00	34.21 1.69 0.00	31.93 1.66 0.00	30.80 1.52 0.00	31.18 1.48 0.00	32.29 1.48 0.00	35.11 1.67 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.15 2.80 0.00	44.86 3.48 0.00	52.26 3.92 0.00	53.77 3.75 0.00	61.09 4.10 0.00	71.78 5.01 0.00	77.37 5.73 0.00	107.81 8.63 0.00	124.43 9.00 0.00	108.82 8.06 0.00	87.97 6.44 0.00	69.47 4.12 0.00	54.95 3.16 0.00	46.75 3.58 0.00	40.27 2.35 0.00
ROME____115KV_TB2 80656	36.72 1.31 0.00	33.66 1.14 0.00	31.11 0.85 0.00	30.07 0.79 0.00	30.58 0.89 0.00	31.80 0.99 0.00	34.54 1.10 0.00	37.59 1.27 0.00	39.16 1.36 0.00	39.92 1.57 0.00	43.29 1.90 0.00	50.71 2.37 0.00	52.47 2.45 0.00	60.06 3.08 0.00	70.38 3.61 0.00	75.51 3.87 0.00	104.63 5.45 0.00	121.54 6.12 0.00	106.21 5.44 0.00	86.34 4.81 0.00	68.95 3.59 0.00	54.69 2.90 0.00	44.98 1.81 0.00	39.52 1.59 0.00
ROSETON__1 23587	36.54 1.13 0.00	33.79 1.27 0.00	31.51 1.24 0.00	30.45 1.17 0.00	30.85 1.16 0.00	31.92 1.11 0.00	34.64 1.20 0.00	37.78 1.45 0.00	39.50 1.70 0.00	40.49 2.15 0.00	43.78 2.40 0.00	51.00 2.66 0.00	52.52 2.50 0.00	59.67 2.68 0.00	70.04 3.27 0.00	75.36 3.72 0.00	104.93 5.75 0.00	121.42 6.00 0.00	106.10 5.34 0.00	85.85 4.32 0.00	67.90 2.55 0.00	53.92 2.12 0.00	45.80 2.63 0.00	39.67 1.75 0.00
ROSETON__2 23588	36.54 1.13 0.00	33.79 1.27 0.00	31.51 1.24 0.00	30.45 1.17 0.00	30.85 1.16 0.00	31.92 1.11 0.00	34.64 1.20 0.00	37.78 1.45 0.00	39.50 1.70 0.00	40.49 2.15 0.00	43.78 2.40 0.00	51.00 2.66 0.00	52.52 2.50 0.00	59.67 2.68 0.00	70.04 3.27 0.00	75.36 3.72 0.00	104.93 5.75 0.00	121.42 6.00 0.00	106.10 5.34 0.00	85.85 4.32 0.00	67.90 2.55 0.00	53.92 2.12 0.00	45.80 2.63 0.00	39.67 1.75 0.00
ROTTRDAM_115KV_TB3 80664	36.61 1.20 0.00	33.63 1.11 0.00	31.35 1.09 0.00	30.30 1.02 0.00	30.70 1.01 0.00	31.83 1.02 0.00	34.58 1.14 0.00	37.63 1.31 0.00	39.13 1.32 0.00	40.00 1.65 0.00	43.41 2.03 0.00	50.76 2.42 0.00	52.47 2.45 0.00	59.72 2.74 0.00	69.84 3.07 0.00	75.15 3.51 0.00	104.24 5.06 0.00	120.96 5.54 0.00	105.80 5.04 0.00	85.69 4.16 0.00	68.49 3.14 0.00	54.33 2.54 0.00	45.45 2.29 0.00	39.55 1.63 0.00
RUSSELL__1 23602	35.44 0.04 0.00	32.55 0.03 0.00	30.14 -0.12 0.00	29.07 -0.20 0.00	29.60 -0.09 0.00	30.87 0.06 0.00	33.71 0.27 0.00	36.61 0.29 0.00	38.33 0.53 0.00	38.81 0.46 0.00	42.33 0.95 0.00	49.65 1.31 0.00	51.42 1.40 0.00	59.04 2.05 0.00	69.24 2.47 0.00	73.43 1.79 0.00	101.76 2.58 0.00	117.85 2.42 0.00	103.38 2.62 0.00	83.73 2.20 0.00	67.77 2.42 0.00	53.81 2.02 0.00	43.38 0.22 0.00	38.53 0.61 0.00
RUSSELL__2 23532	35.44 0.04 0.00	32.55 0.03 0.00	30.14 -0.12 0.00	29.07 -0.20 0.00	29.60 -0.09 0.00	30.87 0.06 0.00	33.71 0.27 0.00	36.61 0.29 0.00	38.33 0.53 0.00	38.81 0.46 0.00	42.33 0.95 0.00	49.65 1.31 0.00	51.42 1.40 0.00	59.04 2.05 0.00	69.24 2.47 0.00	73.43 1.79 0.00	101.76 2.58 0.00	117.85 2.42 0.00	103.38 2.62 0.00	83.73 2.20 0.00	67.77 2.42 0.00	53.81 2.02 0.00	43.38 0.22 0.00	38.53 0.61 0.00



RUSSELL___3 23549	35.44 0.04 0.00	32.55 0.03 0.00	30.14 -0.12 0.00	29.07 -0.20 0.00	29.60 -0.09 0.00	30.87 0.06 0.00	33.71 0.27 0.00	36.61 0.29 0.00	38.33 0.53 0.00	38.81 0.46 0.00	42.33 0.95 0.00	49.65 1.31 0.00	51.42 1.40 0.00	59.04 2.05 0.00	69.24 2.47 0.00	73.43 1.79 0.00	101.76 2.58 0.00	117.85 2.42 0.00	103.38 2.62 0.00	83.73 2.20 0.00	67.77 2.42 0.00	53.81 2.02 0.00	43.38 0.22 0.00	38.53 0.61 0.00
RUSSELL___4 23556	35.44 0.04 0.00	32.55 0.03 0.00	30.14 -0.12 0.00	29.07 -0.20 0.00	29.60 -0.09 0.00	30.87 0.06 0.00	33.71 0.27 0.00	36.61 0.29 0.00	38.33 0.53 0.00	38.81 0.46 0.00	42.33 0.95 0.00	49.65 1.31 0.00	51.42 1.40 0.00	59.04 2.05 0.00	69.24 2.47 0.00	73.43 1.79 0.00	101.76 2.58 0.00	117.85 2.42 0.00	103.38 2.62 0.00	83.73 2.20 0.00	67.77 2.42 0.00	53.81 2.02 0.00	43.38 0.22 0.00	38.53 0.61 0.00
RUSSELL___STATION 23914	35.44 0.04 0.00	32.55 0.03 0.00	30.14 -0.12 0.00	29.07 -0.20 0.00	29.60 -0.09 0.00	30.87 0.06 0.00	33.71 0.27 0.00	36.61 0.29 0.00	38.33 0.53 0.00	38.81 0.46 0.00	42.33 0.95 0.00	49.65 1.31 0.00	51.42 1.40 0.00	59.04 2.05 0.00	69.24 2.47 0.00	73.43 1.79 0.00	101.76 2.58 0.00	117.85 2.42 0.00	103.38 2.62 0.00	83.73 2.20 0.00	67.77 2.42 0.00	53.81 2.02 0.00	43.38 0.22 0.00	38.53 0.61 0.00
S SALMON___HYD 24043	35.69 0.28 0.00	32.65 0.13 0.00	30.23 -0.03 0.00	29.22 -0.06 0.00	29.66 -0.03 0.00	30.84 0.03 0.00	33.58 0.13 0.00	36.43 0.11 0.00	37.99 0.19 0.00	38.65 0.31 0.00	41.80 0.41 0.00	48.97 0.63 0.00	50.67 0.65 0.00	56.80 0.97 1.15	65.90 1.00 1.87	70.41 1.00 2.23	96.21 1.19 4.16	116.81 1.39 0.00	102.17 1.41 0.00	79.93 1.30 2.90	64.66 1.18 1.87	52.77 0.98 0.00	43.68 0.52 0.00	38.30 0.38 0.00
S.PERRY___115KV_TB1 80734	35.90 0.50 0.00	32.94 0.42 0.00	30.42 0.15 0.00	29.31 0.03 0.00	29.87 0.18 0.00	31.24 0.43 0.00	34.24 0.80 0.00	37.16 0.84 0.00	38.97 1.17 0.00	39.38 1.04 0.00	42.87 1.49 0.00	50.18 1.84 0.00	51.92 1.90 0.00	58.24 1.25 0.00	68.57 1.80 0.00	72.57 0.93 0.00	100.96 1.79 0.00	117.16 1.73 0.00	103.18 2.42 0.00	83.48 1.96 0.00	68.03 2.68 0.00	55.31 3.52 0.00	44.33 1.17 0.00	39.29 1.37 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	34.52 -0.89 0.00	31.84 -0.68 0.00	29.45 -0.82 0.00	28.37 -0.91 0.00	28.95 -0.74 0.00	30.17 -0.65 0.00	33.01 -0.43 0.00	35.67 -0.65 0.00	37.65 -0.15 0.00	37.81 -0.54 0.00	41.38 0.00 0.00	48.44 0.10 0.00	50.02 0.00 0.00	57.50 0.51 0.00	67.64 0.87 0.00	71.07 -0.57 0.00	98.58 -0.60 0.00	113.69 -1.73 0.00	99.76 -1.01 0.00	80.55 -0.98 0.00	65.81 0.46 0.00	52.41 0.62 0.00	41.87 -1.29 0.00	37.70 -0.23 0.00
SAWYER___23_KV_LOAD 55526	34.52 -0.89 0.00	31.84 -0.68 0.00	29.45 -0.82 0.00	28.37 -0.91 0.00	28.95 -0.74 0.00	30.17 -0.65 0.00	33.01 -0.43 0.00	35.67 -0.65 0.00	37.65 -0.15 0.00	37.81 -0.54 0.00	41.38 0.00 0.00	48.44 0.10 0.00	50.02 0.00 0.00	57.50 0.51 0.00	67.64 0.87 0.00	71.07 -0.57 0.00	98.58 -0.60 0.00	113.69 -1.73 0.00	99.76 -1.01 0.00	80.55 -0.98 0.00	65.81 0.46 0.00	52.41 0.62 0.00	41.87 -1.29 0.00	37.70 -0.23 0.00
SELKIRK___I 23801	36.51 1.10 0.00	33.63 1.11 0.00	31.35 1.09 0.00	30.30 1.02 0.00	30.70 1.01 0.00	31.80 0.99 0.00	34.44 1.00 0.00	37.34 1.02 0.00	38.98 1.17 0.00	39.88 1.54 0.00	43.12 1.74 0.00	50.18 1.84 0.00	50.92 0.90 0.00	57.96 0.97 0.00	67.77 1.00 0.00	72.86 1.22 0.00	100.76 1.58 0.00	117.04 1.62 0.00	102.28 1.51 0.00	83.00 1.47 0.00	66.33 0.98 0.00	52.93 1.14 0.00	45.15 1.99 0.00	39.36 1.44 0.00
SELKIRK___II 23799	36.04 0.64 0.00	33.24 0.71 0.00	31.02 0.76 0.00	30.01 0.73 0.00	30.40 0.71 0.00	31.46 0.65 0.00	34.11 0.67 0.00	37.08 0.76 0.00	38.67 0.87 0.00	39.57 1.23 0.00	42.75 1.36 0.00	49.50 1.16 0.00	51.02 1.00 0.00	58.01 1.03 0.00	67.90 1.13 0.00	73.07 1.43 0.00	100.96 1.79 0.00	117.16 1.73 0.00	102.48 1.71 0.00	83.16 1.63 0.00	66.39 1.04 0.00	53.14 1.34 0.00	44.72 1.55 0.00	38.95 1.02 0.00
SENECA OSWGO___HYD 24041	35.48 0.07 0.00	32.49 -0.03 0.00	30.14 -0.12 0.00	29.13 -0.15 0.00	29.54 -0.15 0.00	30.72 -0.09 0.00	33.41 -0.03 0.00	36.25 -0.07 0.00	37.84 0.04 0.00	38.54 0.19 0.00	41.71 0.33 0.00	48.83 0.48 0.00	50.52 0.50 0.00	57.30 0.69 0.37	66.97 0.80 0.60	71.64 0.72 0.72	98.75 0.89 1.32	116.24 0.81 0.00	101.67 0.90 0.92	81.42 0.82 0.82	65.74 0.98 0.59	52.46 0.67 0.00	43.47 0.30 0.00	38.08 0.15 0.00
SENECA___115KV_TB3 355854	35.05 -0.35 0.00	32.29 -0.23 0.00	29.84 -0.42 0.00	28.75 -0.53 0.00	29.34 -0.36 0.00	30.60 -0.22 0.00	33.51 0.07 0.00	36.21 -0.11 0.00	38.26 0.45 0.00	38.46 0.12 0.00	42.17 0.79 0.00	49.31 0.97 0.00	50.92 0.90 0.00	58.58 1.60 0.00	68.91 2.14 0.00	72.43 0.79 0.00	100.47 1.29 0.00	115.89 0.46 0.00	101.67 0.91 0.00	82.02 0.49 0.00	66.92 1.57 0.00	53.24 1.45 0.00	42.52 -0.65 0.00	38.26 0.34 0.00
SENECA___ENERGY 23797	36.01 0.60 0.00	32.72 0.20 0.00	30.29 0.03 0.00	29.25 -0.03 0.00	29.72 0.03 0.00	30.97 0.15 0.00	33.81 0.37 0.00	36.65 0.33 0.00	38.63 0.83 0.00	39.27 0.92 0.00	42.67 1.28 0.00	50.03 1.69 0.00	51.77 1.75 0.00	59.21 2.22 0.00	69.91 3.14 0.00	74.87 3.23 0.00	101.01 2.57 0.74	118.08 2.66 0.00	103.49 2.72 0.00	83.21 2.20 0.52	67.30 2.29 0.33	53.34 1.55 0.00	43.90 0.73 0.00	38.57 0.64 0.00
SHOEMAKER___GT 23640	36.54 1.13 0.00	33.76 1.24 0.00	31.41 1.15 0.00	30.39 1.11 0.00	30.76 1.07 0.00	31.83 1.02 0.00	34.54 1.10 0.00	37.67 1.34 0.00	39.32 1.51 0.00	40.26 1.92 0.00	43.49 2.11 0.00	50.71 2.37 0.00	52.37 2.35 0.00	59.55 2.57 0.00	69.91 3.14 0.00	75.22 3.58 0.00	104.83 5.65 0.00	121.19 5.77 0.00	106.00 5.24 0.00	85.76 4.24 0.00	67.97 2.62 0.00	53.92 2.12 0.00	45.62 2.46 0.00	39.55 1.63 0.00
SHOEMAKR_138KV_BK 111 55601	36.54 1.13 0.00	33.59 1.07 0.00	31.32 1.06 0.00	30.27 1.00 0.00	30.64 0.95 0.00	31.71 0.89 0.00	34.41 0.97 0.00	37.59 1.27 0.00	39.05 1.25 0.00	40.00 1.65 0.00	43.49 2.11 0.00	50.71 2.37 0.00	52.32 2.30 0.00	59.55 2.56 0.00	69.84 3.07 0.00	75.29 3.65 0.00	104.73 5.55 0.00	121.08 5.66 0.00	105.90 5.14 0.00	85.69 4.16 0.00	67.97 2.61 0.00	53.86 2.07 0.00	45.54 2.37 0.00	39.44 1.52 0.00
SHOREHAM_IC_1 23715	39.95 3.29 -1.26	35.82 3.28 -0.02	34.11 3.15 -0.70	32.67 2.93 -0.46	33.42 2.94 -0.79	33.84 3.02 -0.01	37.50 3.41 -0.65	39.95 3.63 0.00	44.01 4.23 -1.97	48.74 4.68 -5.71	52.74 4.18 -7.18	52.98 4.64 0.00	104.10 5.40 -48.68	174.36 6.10 -111.27	323.72 6.14 -250.81	321.79 6.66 -243.49	313.65 9.43 -205.05	303.50 10.16 -177.92	306.33 9.98 -195.58	302.17 8.64 -212.01	377.91 6.41 -306.15	158.72 5.08 -101.85	115.88 4.83 -67.88	45.58 3.60 -4.06



SHOREHAM_IC_2 23716	39.95 3.29 -1.26	35.82 3.28 -0.02	34.11 3.15 -0.70	32.67 2.93 -0.46	33.42 2.94 -0.79	33.84 3.02 -0.01	37.50 3.41 -0.65	39.95 3.63 0.00	44.01 4.23 -1.97	48.74 4.68 -5.71	52.74 4.18 -7.18	52.98 4.64 0.00	104.10 5.40 -48.68	174.36 6.10 -111.27	323.72 6.14 -250.81	321.79 6.66 -243.49	313.65 9.43 -205.05	303.50 10.16 -177.92	306.33 9.98 -195.58	302.17 8.64 -212.01	377.91 6.41 -306.15	158.72 5.08 -101.85	115.88 4.83 -67.88	45.58 3.60 -4.06
SISSONVILLE____ 23735	33.99 -1.42 0.00	31.12 -1.40 0.00	28.96 -1.30 0.00	28.05 -1.23 0.00	28.47 -1.22 0.00	29.61 -1.20 0.00	32.07 -1.37 0.00	34.90 -1.42 0.00	36.25 -1.55 0.00	36.54 -1.80 0.00	38.28 -3.10 0.00	44.72 -3.63 0.00	46.37 -3.65 0.00	53.00 -3.99 0.00	62.03 -4.74 0.00	66.77 -4.87 0.00	91.64 -7.54 0.00	109.65 -5.77 0.00	94.52 -6.25 0.00	75.66 -5.87 0.00	60.91 -4.44 0.00	48.11 -3.68 0.00	40.62 -2.55 0.00	36.14 -1.78 0.00
SITHE_IND_GS1 24169	34.91 -0.50 0.00	32.00 -0.52 0.00	29.72 -0.54 0.00	28.75 -0.53 0.00	29.16 -0.53 0.00	30.29 -0.52 0.00	32.94 -0.50 0.00	35.70 -0.62 0.00	37.24 -0.57 0.00	37.81 -0.54 0.00	40.89 -0.49 0.00	47.81 -0.53 0.00	49.47 -0.55 0.00	56.47 -0.51 0.00	66.17 -0.60 0.00	70.85 -0.79 0.00	98.09 -1.09 0.00	113.92 -1.50 0.00	99.66 -1.11 0.00	80.63 -0.90 0.00	64.90 -0.45 0.00	51.38 -0.42 0.00	42.65 -0.52 0.00	37.39 -0.53 0.00
SITHE_IND_GS2 24170	34.91 -0.50 0.00	32.00 -0.52 0.00	29.72 -0.54 0.00	28.75 -0.53 0.00	29.16 -0.53 0.00	30.29 -0.52 0.00	32.94 -0.50 0.00	35.70 -0.62 0.00	37.24 -0.57 0.00	37.81 -0.54 0.00	40.89 -0.49 0.00	47.81 -0.53 0.00	49.47 -0.55 0.00	56.47 -0.51 0.00	66.17 -0.60 0.00	70.85 -0.79 0.00	98.09 -1.09 0.00	113.92 -1.50 0.00	99.66 -1.11 0.00	80.63 -0.90 0.00	64.90 -0.45 0.00	51.38 -0.42 0.00	42.65 -0.52 0.00	37.39 -0.53 0.00
SITHE_IND_GS3 24171	34.91 -0.50 0.00	32.00 -0.52 0.00	29.72 -0.54 0.00	28.75 -0.53 0.00	29.16 -0.53 0.00	30.29 -0.52 0.00	32.94 -0.50 0.00	35.70 -0.62 0.00	37.24 -0.57 0.00	37.81 -0.54 0.00	40.89 -0.49 0.00	47.81 -0.53 0.00	49.47 -0.55 0.00	56.47 -0.51 0.00	66.17 -0.60 0.00	70.85 -0.79 0.00	98.09 -1.09 0.00	113.92 -1.50 0.00	99.66 -1.11 0.00	80.63 -0.90 0.00	64.90 -0.45 0.00	51.38 -0.42 0.00	42.65 -0.52 0.00	37.39 -0.53 0.00
SITHE_IND_GS4 24172	34.91 -0.50 0.00	32.00 -0.52 0.00	29.72 -0.54 0.00	28.75 -0.53 0.00	29.16 -0.53 0.00	30.29 -0.52 0.00	32.94 -0.50 0.00	35.70 -0.62 0.00	37.24 -0.57 0.00	37.81 -0.54 0.00	40.89 -0.49 0.00	47.81 -0.53 0.00	49.47 -0.55 0.00	56.47 -0.51 0.00	66.17 -0.60 0.00	70.85 -0.79 0.00	98.09 -1.09 0.00	113.92 -1.50 0.00	99.66 -1.11 0.00	80.63 -0.90 0.00	64.90 -0.45 0.00	51.38 -0.42 0.00	42.65 -0.52 0.00	37.39 -0.53 0.00
SITHE____BATAVIA 24024	36.64 1.24 0.00	32.59 0.07 0.00	30.08 -0.18 0.00	28.99 -0.29 0.00	29.48 -0.21 0.00	30.81 0.00 0.00	33.97 0.53 0.00	36.83 0.51 0.00	38.75 0.95 0.00	39.11 0.77 0.00	42.67 1.28 0.00	50.03 1.69 0.00	51.52 1.50 0.00	59.49 2.50 0.00	70.04 3.27 0.00	74.43 2.79 0.00	102.55 3.37 0.00	118.54 3.12 0.00	104.49 3.73 0.00	84.30 2.77 0.00	68.88 3.53 0.00	54.28 2.49 0.00	44.03 0.86 0.00	38.98 1.06 0.00
SITHE____INDEPEND 23800	34.95 -0.46 0.00	32.10 -0.42 0.00	29.81 -0.45 0.00	28.81 -0.47 0.00	29.25 -0.45 0.00	30.38 -0.43 0.00	33.04 -0.40 0.00	35.74 -0.58 0.00	37.20 -0.60 0.00	37.77 -0.58 0.00	40.89 -0.50 0.00	47.81 -0.53 0.00	49.47 -0.55 0.00	56.47 -0.51 0.00	66.17 -0.60 0.00	70.78 -0.86 0.00	98.09 -1.09 0.00	113.92 -1.50 0.00	99.55 -1.21 0.00	80.63 -0.90 0.00	64.83 -0.52 0.00	51.38 -0.41 0.00	42.52 -0.65 0.00	37.35 -0.57 0.00
SITHE____MASSENA 23902	34.77 -0.64 0.00	31.94 -0.58 0.00	29.75 -0.51 0.00	28.81 -0.47 0.00	29.22 -0.48 0.00	30.38 -0.43 0.00	32.87 -0.57 0.00	35.70 -0.62 0.00	36.93 -0.87 0.00	37.16 -1.19 0.00	39.35 -2.03 0.00	45.97 -2.37 0.00	47.67 -2.35 0.00	38.82 -2.62 15.55	38.53 -3.07 25.18	38.38 -3.22 30.04	37.58 -5.16 56.44	111.96 -3.46 0.00	96.73 -4.03 0.00	38.02 -4.15 39.36	37.04 -2.94 25.37	49.36 -2.43 0.00	40.92 -2.25 0.00	36.90 -1.02 0.00
SITHE____OGDNSBRG 24021	34.88 -0.53 0.00	31.97 -0.55 0.00	29.72 -0.54 0.00	28.78 -0.50 0.00	29.19 -0.50 0.00	30.38 -0.43 0.00	32.91 -0.54 0.00	35.81 -0.51 0.00	37.24 -0.57 0.00	37.50 -0.84 0.00	39.35 -2.03 0.00	46.02 -2.32 0.00	47.72 -2.30 0.00	54.54 -2.45 0.00	63.90 -2.87 0.00	68.77 -2.87 0.00	94.42 -4.76 0.00	112.77 -2.65 0.00	97.34 -3.43 0.00	77.94 -3.59 0.00	62.80 -2.55 0.00	49.62 -2.18 0.00	41.78 -1.38 0.00	37.20 -0.72 0.00
SITHE____STERLING 23777	36.61 1.20 0.00	33.50 0.97 0.00	30.99 0.73 0.00	29.95 0.67 0.00	30.43 0.74 0.00	31.64 0.83 0.00	34.41 0.97 0.00	37.37 1.05 0.00	38.98 1.17 0.00	39.77 1.42 0.00	43.04 1.66 0.00	50.42 2.08 0.00	52.17 2.15 0.00	58.95 2.62 0.66	68.78 3.07 1.06	73.74 3.37 1.27	101.38 4.56 2.36	120.38 4.96 0.00	105.30 4.54 0.00	83.88 3.99 1.65	67.36 3.07 1.06	54.23 2.43 0.00	44.76 1.60 0.00	39.33 1.40 0.00
SLEIGHT__34_KV_TB1 80719	36.72 1.31 0.00	33.66 1.14 0.00	31.08 0.82 0.00	30.04 0.76 0.00	30.52 0.83 0.00	31.86 1.05 0.00	34.75 1.30 0.00	37.74 1.42 0.00	39.69 1.89 0.00	40.53 2.19 0.00	44.11 2.73 0.00	51.87 3.53 0.00	53.77 3.75 0.00	61.49 4.50 0.00	72.18 5.41 0.00	77.23 5.59 0.00	105.62 6.45 0.00	122.58 7.16 0.00	107.41 6.65 0.00	86.91 5.38 0.00	70.06 4.71 0.00	55.42 3.63 0.00	45.15 1.99 0.00	39.67 1.74 0.00
SOUTH CAIRO____GT 23612	37.78 2.37 0.00	34.76 2.24 0.00	32.29 2.03 0.00	31.18 1.90 0.00	31.65 1.96 0.00	32.63 1.82 0.00	35.45 2.01 0.00	38.57 2.25 0.00	39.88 2.08 0.00	40.80 2.46 0.00	44.11 2.73 0.00	51.34 3.00 0.00	53.27 3.25 0.00	60.86 3.88 0.00	70.91 4.14 0.00	76.58 4.94 0.00	106.62 7.44 0.00	124.08 8.66 0.00	108.63 7.86 0.00	87.81 6.28 0.00	69.80 4.45 0.00	55.94 4.14 0.00	46.71 3.54 0.00	40.54 2.61 0.00
SOUTH HAMPTN____IC 23720	40.70 4.03 -1.25	36.47 3.93 -0.02	34.69 3.72 -0.70	33.22 3.48 -0.46	33.98 3.50 -0.79	34.39 3.57 -0.01	38.14 4.04 -0.65	40.68 4.36 0.00	44.80 5.07 -1.93	49.67 5.64 -5.68	53.56 5.30 -6.88	54.29 5.94 0.00	103.47 6.85 -46.60	171.52 7.81 -106.72	346.37 9.28 -270.32	315.69 9.95 -234.09	310.20 13.88 -197.13	301.31 15.23 -170.66	301.76 13.51 -187.49	325.94 11.57 -232.84	396.42 8.10 -322.96	185.59 6.42 -127.38	114.02 5.87 -64.99	46.32 4.51 -3.88
SOUTHDOW_I15KV_TB1 355954	36.43 1.03 0.00	33.53 1.01 0.00	30.93 0.67 0.00	29.75 0.47 0.00	30.40 0.71 0.00	31.74 0.92 0.00	34.91 1.47 0.00	37.88 1.56 0.00	40.22 2.42 0.00	40.49 2.15 0.00	44.53 3.14 0.00	52.06 3.72 0.00	53.77 3.75 0.00	61.83 4.84 0.00	72.91 6.14 0.00	76.73 5.09 0.00	106.42 7.24 0.00	122.58 7.16 0.00	107.51 6.75 0.00	86.50 4.97 0.00	70.25 4.90 0.00	55.62 3.83 0.00	44.42 1.25 0.00	39.71 1.78 0.00



SOUTHOLD_69_KV_BK 2 55809	41.55 4.89 -1.25	36.99 4.46 -0.02	35.20 4.24 -0.70	33.72 3.98 -0.46	34.46 3.98 -0.79	34.82 4.01 0.00	38.67 4.58 -0.65	41.26 4.94 0.00	44.49 4.76 -1.93	46.72 5.75 -2.62	55.01 6.75 -6.88	55.84 7.49 0.00	105.04 8.40 -46.62	173.40 9.63 -106.78	350.47 11.68 -272.02	318.39 12.54 -234.21	311.78 15.37 -197.23	303.14 16.97 -170.74	303.37 15.01 -187.59	256.84 14.43 -160.88	400.37 10.33 -324.70	188.83 8.03 -129.01	115.31 7.12 -65.02	47.19 5.39 -3.89
SOUTHOLD____IC 23719	41.48 4.81 -1.25	37.12 4.59 -0.02	35.29 4.33 -0.70	33.81 4.07 -0.46	34.58 4.10 -0.79	34.98 4.16 -0.01	38.81 4.72 -0.65	41.44 5.12 0.00	45.70 5.97 -1.93	50.70 6.67 -5.68	54.76 6.50 -6.88	55.74 7.40 0.00	105.04 8.40 -46.63	173.40 9.63 -106.78	350.34 11.55 -272.02	318.31 12.46 -234.21	311.98 15.57 -197.23	303.37 17.20 -170.74	303.37 15.02 -187.59	330.40 14.35 -234.52	400.24 10.19 -324.70	188.83 8.03 -129.01	115.27 7.08 -65.02	47.35 5.54 -3.89
SPIERFLS_115KV_TB 1 80737	37.50 2.09 0.00	34.38 1.85 0.00	31.96 1.69 0.00	30.83 1.55 0.00	31.26 1.57 0.00	32.48 1.66 0.00	35.35 1.91 0.00	38.35 2.03 0.00	39.96 2.15 0.00	40.99 2.65 0.00	44.65 3.27 0.00	52.50 4.16 0.00	54.32 4.30 0.00	62.06 5.07 0.00	71.31 4.54 0.00	76.73 5.09 0.00	106.42 7.24 0.00	123.85 8.43 0.00	108.32 7.56 0.00	87.40 5.87 0.00	69.99 4.64 0.00	55.99 4.20 0.00	46.62 3.45 0.00	40.58 2.65 0.00
ST LAWRENCE____ 23600	34.56 -0.85 0.00	31.74 -0.78 0.00	29.60 -0.67 0.00	28.63 -0.64 0.00	29.07 -0.62 0.00	30.20 -0.62 0.00	32.71 -0.74 0.00	35.52 -0.80 0.00	36.74 -1.06 0.00	36.93 -1.42 0.00	39.48 -1.90 0.00	46.12 -2.22 0.00	47.82 -2.20 0.00	55.93 -2.51 -1.45	66.18 -2.94 -2.34	71.36 -3.08 -2.80	99.78 -4.66 -5.26	111.27 -4.15 0.00	96.54 -4.23 0.00	81.45 -3.75 -3.67	64.84 -2.87 -2.36	49.46 -2.33 0.00	41.09 -2.07 0.00	36.67 -1.25 0.00
STATE_CA_115KV_115_LB 55624	36.19 0.78 0.00	33.24 0.72 0.00	30.99 0.73 0.00	29.95 0.67 0.00	30.34 0.65 0.00	31.43 0.62 0.00	34.11 0.67 0.00	37.12 0.80 0.00	38.60 0.79 0.00	39.54 1.19 0.00	42.95 1.57 0.00	50.08 1.74 0.00	51.77 1.75 0.00	58.93 1.94 0.00	68.91 2.14 0.00	74.22 2.58 0.00	102.65 3.47 0.00	119.12 3.69 0.00	104.19 3.43 0.00	84.38 2.85 0.00	67.38 2.03 0.00	53.55 1.76 0.00	44.89 1.73 0.00	39.02 1.10 0.00
STATE_ST_34_KV_LOAD 55959	36.47 1.06 0.00	33.50 0.98 0.00	30.96 0.70 0.00	29.95 0.67 0.00	30.40 0.71 0.00	31.64 0.83 0.00	34.44 1.00 0.00	37.37 1.05 0.00	39.35 1.55 0.00	40.15 1.80 0.00	43.62 2.23 0.00	51.15 2.80 0.00	53.02 3.00 0.00	60.52 3.53 0.00	71.04 4.27 0.00	76.30 4.66 0.00	103.84 4.66 0.00	120.62 5.19 0.00	105.50 4.74 0.00	85.52 3.99 0.00	68.95 3.59 0.00	54.59 2.80 0.00	44.81 1.64 0.00	39.33 1.40 0.00
STATION 5_MISC_HYD 23604	36.11 0.71 0.00	32.46 -0.06 0.00	30.02 -0.24 0.00	28.96 -0.32 0.00	29.42 -0.27 0.00	30.69 -0.12 0.00	33.51 0.07 0.00	36.36 0.04 0.00	38.10 0.30 0.00	38.62 0.27 0.00	42.04 0.66 0.00	49.31 0.97 0.00	51.02 1.00 0.00	58.58 1.59 0.00	68.77 2.00 0.00	73.29 1.65 0.00	101.06 1.88 0.00	117.04 1.62 0.00	102.78 2.01 0.00	83.16 1.63 0.00	67.64 2.29 0.00	53.40 1.61 0.00	43.60 0.43 0.00	38.45 0.53 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	35.72 0.32 0.00	32.81 0.29 0.00	30.35 0.09 0.00	29.28 0.00 0.00	29.81 0.12 0.00	31.09 0.28 0.00	33.94 0.50 0.00	36.83 0.51 0.00	38.52 0.72 0.00	39.08 0.73 0.00	42.54 1.16 0.00	49.89 1.55 0.00	51.67 1.65 0.00	59.27 2.28 0.00	69.64 2.87 0.00	74.15 2.51 0.00	102.65 3.47 0.00	119.00 3.58 0.00	104.29 3.53 0.00	84.38 2.85 0.00	68.16 2.81 0.00	53.97 2.18 0.00	43.73 0.56 0.00	38.68 0.76 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	35.09 -0.32 0.00	32.26 -0.26 0.00	29.84 -0.42 0.00	28.81 -0.47 0.00	29.34 -0.36 0.00	30.57 -0.25 0.00	33.37 -0.07 0.00	36.21 -0.11 0.00	37.95 0.15 0.00	38.42 0.08 0.00	41.88 0.50 0.00	49.07 0.73 0.00	50.82 0.80 0.00	58.30 1.31 0.00	68.44 1.67 0.00	72.64 1.00 0.00	100.76 1.59 0.00	116.69 1.27 0.00	102.38 1.61 0.00	82.83 1.30 0.00	66.99 1.63 0.00	53.14 1.35 0.00	42.95 -0.22 0.00	38.07 0.15 0.00
STA_56____34_KV_BUS2 355983	35.09 -0.32 0.00	32.26 -0.26 0.00	29.84 -0.42 0.00	28.81 -0.47 0.00	29.34 -0.36 0.00	30.57 -0.25 0.00	33.37 -0.07 0.00	36.21 -0.11 0.00	37.95 0.15 0.00	38.42 0.08 0.00	41.88 0.50 0.00	49.07 0.73 0.00	50.82 0.80 0.00	58.30 1.31 0.00	68.44 1.67 0.00	72.64 1.00 0.00	100.76 1.59 0.00	116.69 1.27 0.00	102.38 1.61 0.00	82.83 1.30 0.00	66.99 1.63 0.00	53.14 1.35 0.00	42.95 -0.22 0.00	38.07 0.15 0.00
STA_67____115KV_BK2 355882	35.19 -0.21 0.00	32.33 -0.20 0.00	29.93 -0.33 0.00	28.87 -0.41 0.00	29.39 -0.30 0.00	30.66 -0.15 0.00	33.47 0.03 0.00	36.28 -0.04 0.00	38.03 0.23 0.00	38.46 0.12 0.00	41.92 0.54 0.00	49.12 0.77 0.00	50.87 0.85 0.00	58.36 1.37 0.00	68.51 1.74 0.00	72.64 1.00 0.00	100.76 1.59 0.00	116.69 1.27 0.00	102.28 1.51 0.00	82.75 1.22 0.00	67.05 1.70 0.00	53.24 1.45 0.00	42.99 -0.17 0.00	38.19 0.27 0.00
STA_7____115KV_9TRANS 80674	35.44 0.04 0.00	32.55 0.03 0.00	30.14 -0.12 0.00	29.07 -0.20 0.00	29.60 -0.09 0.00	30.87 0.06 0.00	33.71 0.27 0.00	36.61 0.29 0.00	38.33 0.53 0.00	38.81 0.46 0.00	42.33 0.95 0.00	49.65 1.31 0.00	51.42 1.40 0.00	59.04 2.05 0.00	69.24 2.47 0.00	73.43 1.79 0.00	101.76 2.58 0.00	117.85 2.42 0.00	103.38 2.62 0.00	83.73 2.20 0.00	67.77 2.42 0.00	53.81 2.02 0.00	43.38 0.22 0.00	38.53 0.61 0.00
STA_82____115KV_TB1 80780	35.19 -0.21 0.00	32.36 -0.16 0.00	29.93 -0.33 0.00	28.90 -0.38 0.00	29.42 -0.27 0.00	30.66 -0.15 0.00	33.47 0.03 0.00	36.32 0.00 0.00	38.07 0.26 0.00	38.50 0.15 0.00	41.96 0.58 0.00	49.16 0.82 0.00	50.92 0.90 0.00	58.41 1.42 0.00	68.57 1.80 0.00	72.72 1.07 0.00	100.86 1.69 0.00	116.81 1.39 0.00	102.38 1.61 0.00	82.83 1.30 0.00	67.12 1.76 0.00	53.29 1.50 0.00	43.04 -0.13 0.00	38.23 0.30 0.00
STEEL____WIND 323596	36.40 0.99 0.00	32.39 -0.13 0.00	29.87 -0.39 0.00	28.78 -0.50 0.00	29.28 -0.42 0.00	30.53 -0.28 0.00	33.51 0.07 0.00	36.18 -0.14 0.00	38.22 0.42 0.00	38.46 0.12 0.00	42.08 0.70 0.00	49.26 0.92 0.00	50.82 0.80 0.00	58.47 1.48 0.00	68.77 2.00 0.00	72.93 1.29 0.00	100.27 1.09 0.00	115.66 0.23 0.00	101.77 1.01 0.00	82.02 0.49 0.00	67.31 1.96 0.00	53.14 1.34 0.00	43.21 0.04 0.00	38.49 0.57 0.00
STEPHTWN_115KV_BK_2 55603	36.65 1.24 0.00	33.66 1.14 0.00	31.35 1.09 0.00	30.27 1.00 0.00	30.67 0.98 0.00	31.83 1.02 0.00	34.58 1.14 0.00	37.63 1.31 0.00	39.09 1.29 0.00	40.07 1.73 0.00	43.45 2.07 0.00	50.66 2.32 0.00	52.42 2.40 0.00	59.67 2.68 0.00	69.71 2.94 0.00	75.08 3.44 0.00	103.74 4.56 0.00	120.73 5.31 0.00	105.60 4.84 0.00	85.44 3.91 0.00	68.23 2.88 0.00	54.33 2.54 0.00	45.41 2.24 0.00	39.48 1.55 0.00



STEUBEN_REC_LFGE 323667	36.47 1.06 0.00	33.50 0.98 0.00	30.87 0.61 0.00	29.78 0.50 0.00	30.34 0.65 0.00	31.71 0.89 0.00	34.81 1.37 0.00	37.70 1.38 0.00	39.65 1.85 0.00	40.07 1.73 0.00	43.86 2.48 0.00	51.39 3.05 0.00	53.22 3.20 0.00	60.92 3.93 0.00	71.78 5.01 0.00	76.01 4.37 0.00	105.03 5.85 0.00	121.66 6.23 0.00	106.81 6.05 0.00	86.34 4.81 0.00	70.19 4.84 0.00	55.83 4.04 0.00	44.85 1.68 0.00	39.86 1.93 0.00
STONY__BROOK 24151	39.75 3.08 -1.26	35.66 3.12 -0.02	33.96 3.00 -0.70	32.52 2.78 -0.46	33.27 2.79 -0.79	33.69 2.87 -0.01	37.30 3.21 -0.65	39.81 3.49 0.00	44.11 4.08 -2.23	48.43 4.41 -5.67	54.36 3.80 -9.18	52.45 4.11 0.00	116.98 4.80 -62.16	203.05 5.24 -140.82	362.37 6.47 -289.12	383.21 7.09 -304.48	366.24 10.62 -256.45	351.93 11.43 -225.07	359.07 10.17 -248.14	331.66 8.40 -241.74	432.61 5.29 -361.97	157.11 4.25 -101.07	134.04 4.19 -86.69	46.25 3.15 -5.18
STURGEON_POOL_HYD 23609	36.50 1.10 0.00	33.63 1.11 0.00	31.35 1.09 0.00	30.33 1.05 0.00	30.70 1.01 0.00	31.64 0.83 0.00	34.31 0.87 0.00	38.54 2.22 0.00	39.88 2.08 0.00	40.92 2.57 0.00	44.77 3.39 0.00	52.31 3.96 0.00	54.07 4.05 0.00	61.55 4.56 0.00	72.18 5.41 0.00	78.16 6.52 0.00	109.39 10.22 0.00	126.04 10.62 0.00	110.34 9.57 0.00	89.11 7.58 0.00	70.32 4.97 0.00	55.52 3.73 0.00	47.05 3.88 0.00	40.46 2.54 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	36.54 1.13 0.00	33.63 1.11 0.00	31.35 1.09 0.00	30.27 1.00 0.00	30.67 0.98 0.00	31.71 0.89 0.00	34.41 0.97 0.00	37.66 1.34 0.00	39.16 1.36 0.00	40.11 1.76 0.00	43.70 2.32 0.00	50.95 2.61 0.00	52.52 2.50 0.00	59.72 2.74 0.00	70.11 3.34 0.00	75.58 3.94 0.00	105.23 6.05 0.00	121.54 6.12 0.00	106.31 5.54 0.00	86.01 4.48 0.00	68.10 2.74 0.00	53.92 2.12 0.00	45.67 2.50 0.00	39.48 1.55 0.00
SWANROAD_115KV_TB1 355699	33.85 -1.56 0.00	31.22 -1.30 0.00	28.87 -1.39 0.00	27.81 -1.46 0.00	28.38 -1.31 0.00	29.61 -1.20 0.00	32.34 -1.10 0.00	34.94 -1.38 0.00	36.86 -0.95 0.00	37.01 -1.34 0.00	40.47 -0.91 0.00	47.38 -0.97 0.00	48.87 -1.15 0.00	56.19 -0.80 0.00	66.04 -0.73 0.00	69.35 -2.29 0.00	96.30 -2.88 0.00	111.04 -4.39 0.00	97.44 -3.33 0.00	78.67 -2.85 0.00	64.37 -0.98 0.00	51.33 -0.47 0.00	40.96 -2.20 0.00	36.98 -0.95 0.00
SYNERGY__BIOGAS 323694	36.64 1.24 0.00	32.59 0.07 0.00	30.08 -0.18 0.00	28.99 -0.29 0.00	29.48 -0.21 0.00	30.81 0.00 0.00	33.97 0.53 0.00	36.83 0.51 0.00	38.75 0.95 0.00	39.11 0.77 0.00	42.67 1.28 0.00	50.03 1.69 0.00	51.52 1.50 0.00	59.49 2.50 0.00	70.04 3.27 0.00	74.43 2.79 0.00	102.55 3.37 0.00	118.54 3.12 0.00	104.49 3.73 0.00	84.30 2.77 0.00	68.88 3.53 0.00	54.28 2.49 0.00	44.03 0.86 0.00	38.98 1.06 0.00
SYRACUSE__ENERGY_ST1 323597	35.83 0.42 0.00	32.88 0.36 0.00	30.48 0.21 0.00	29.45 0.18 0.00	29.90 0.21 0.00	31.09 0.28 0.00	33.81 0.37 0.00	36.65 0.33 0.00	38.18 0.38 0.00	38.88 0.54 0.00	41.96 0.58 0.00	49.07 0.73 0.00	50.87 0.85 0.00	58.01 1.03 0.00	67.91 1.14 0.00	72.64 1.00 0.00	100.66 1.49 0.00	116.81 1.39 0.00	102.17 1.41 0.00	82.75 1.22 0.00	66.59 1.24 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00
SYRACUSE__ENERGY_ST2 323598	35.83 0.42 0.00	32.88 0.36 0.00	30.48 0.21 0.00	29.45 0.18 0.00	29.90 0.21 0.00	31.09 0.28 0.00	33.81 0.37 0.00	36.65 0.33 0.00	38.18 0.38 0.00	38.88 0.54 0.00	41.96 0.58 0.00	49.07 0.73 0.00	50.87 0.85 0.00	58.01 1.03 0.00	67.91 1.14 0.00	72.64 1.00 0.00	100.66 1.49 0.00	116.81 1.39 0.00	102.17 1.41 0.00	82.75 1.22 0.00	66.59 1.24 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00
SYRACUSE__POWER 24017	35.65 0.25 0.00	32.72 0.20 0.00	30.32 0.06 0.00	29.31 0.03 0.00	29.75 0.06 0.00	30.94 0.12 0.00	33.68 0.23 0.00	36.50 0.18 0.00	38.07 0.26 0.00	38.73 0.38 0.00	42.00 0.62 0.00	49.12 0.77 0.00	50.87 0.85 0.00	58.07 1.08 0.00	68.04 1.27 0.00	72.72 1.07 0.00	100.76 1.59 0.00	116.92 1.50 0.00	102.38 1.61 0.00	82.83 1.30 0.00	66.66 1.31 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00
TALLMAN__138KV_BK151 55660	36.68 1.27 0.00	33.76 1.24 0.00	31.50 1.24 0.00	30.42 1.14 0.00	30.79 1.10 0.00	31.86 1.05 0.00	34.58 1.14 0.00	37.88 1.56 0.00	39.39 1.59 0.00	40.42 2.07 0.00	44.07 2.69 0.00	51.34 3.00 0.00	52.92 2.90 0.00	60.18 3.19 0.00	70.71 3.94 0.00	76.15 4.51 0.00	106.02 6.84 0.00	122.46 7.04 0.00	107.01 6.25 0.00	86.58 5.05 0.00	68.42 3.07 0.00	54.12 2.33 0.00	46.01 2.85 0.00	39.67 1.74 0.00
TEALLAVE_115KV_TB7 355573	35.51 0.11 0.00	32.62 0.10 0.00	30.23 -0.03 0.00	29.22 -0.06 0.00	29.66 -0.03 0.00	30.84 0.03 0.00	33.57 0.13 0.00	36.39 0.07 0.00	37.92 0.11 0.00	38.58 0.23 0.00	41.88 0.50 0.00	49.02 0.68 0.00	50.77 0.75 0.00	57.90 0.91 0.00	67.84 1.07 0.00	72.50 0.86 0.00	100.47 1.29 0.00	116.58 1.15 0.00	101.97 1.21 0.00	82.59 1.06 0.00	66.40 1.05 0.00	52.67 0.88 0.00	43.42 0.26 0.00	38.11 0.19 0.00
TELGRAPH_34_KV_EAST 80808	34.66 -0.74 0.00	31.90 -0.62 0.00	29.51 -0.76 0.00	28.43 -0.85 0.00	29.01 -0.68 0.00	30.29 -0.52 0.00	33.17 -0.27 0.00	35.92 -0.40 0.00	37.84 0.04 0.00	38.08 -0.27 0.00	41.63 0.25 0.00	48.73 0.39 0.00	50.37 0.35 0.00	58.01 1.03 0.00	68.24 1.47 0.00	71.78 0.14 0.00	99.67 0.50 0.00	115.08 -0.35 0.00	100.97 0.20 0.00	81.61 0.08 0.00	66.53 1.18 0.00	52.93 1.14 0.00	42.22 -0.95 0.00	37.92 0.00 0.00
TEMPLE__115KV_TB 2 55572	35.55 0.14 0.00	32.62 0.10 0.00	30.23 -0.03 0.00	29.25 -0.03 0.00	29.69 0.00 0.00	30.87 0.06 0.00	33.57 0.13 0.00	36.39 0.07 0.00	37.95 0.15 0.00	38.62 0.27 0.00	41.92 0.54 0.00	49.07 0.73 0.00	50.82 0.80 0.00	58.01 1.03 0.00	67.97 1.20 0.00	72.57 0.93 0.00	100.57 1.39 0.00	116.69 1.27 0.00	102.07 1.31 0.00	82.67 1.14 0.00	66.46 1.11 0.00	52.72 0.93 0.00	43.47 0.30 0.00	38.15 0.23 0.00
TIANA____69_KV_BK 1 55817	40.56 3.89 -1.25	36.15 3.61 -0.02	34.42 3.45 -0.70	32.96 3.22 -0.46	33.68 3.21 -0.79	34.05 3.24 0.00	37.80 3.71 -0.65	40.28 3.96 0.00	43.36 3.63 -1.93	45.38 4.41 -2.62	53.44 5.17 -6.88	54.00 5.66 0.00	103.03 6.40 -46.61	171.05 7.29 -106.77	347.23 8.75 -271.71	315.36 9.53 -234.19	309.48 13.09 -197.21	300.46 14.31 -170.73	301.03 12.70 -187.57	253.08 11.01 -160.55	397.44 7.71 -324.38	186.51 6.01 -128.71	113.79 5.61 -65.02	45.87 4.06 -3.89
TILDEN__115KV_TB1 80814	35.65 0.25 0.00	32.72 0.20 0.00	30.32 0.06 0.00	29.31 0.03 0.00	29.75 0.06 0.00	30.94 0.12 0.00	33.68 0.23 0.00	36.50 0.18 0.00	38.07 0.26 0.00	38.73 0.38 0.00	42.00 0.62 0.00	49.12 0.77 0.00	50.87 0.85 0.00	58.07 1.08 0.00	68.04 1.27 0.00	72.72 1.07 0.00	100.76 1.59 0.00	116.92 1.50 0.00	102.38 1.61 0.00	82.83 1.30 0.00	66.66 1.31 0.00	52.83 1.04 0.00	43.55 0.39 0.00	38.23 0.30 0.00



TRIGEN___CC 323695	38.81 2.16 -1.24	34.59 2.05 -0.02	32.96 2.00 -0.70	31.58 1.84 -0.46	32.29 1.81 -0.79	32.69 1.88 0.00	36.10 2.01 -0.65	38.61 2.29 0.00	39.84 2.04 0.00	41.07 2.72 0.00	44.69 3.31 0.00	51.92 3.58 0.00	53.97 3.95 0.00	65.83 4.22 -4.63	79.73 5.14 -7.81	100.79 5.80 -23.34	127.44 8.73 -19.53	132.37 9.23 -7.71	114.83 8.16 -5.90	88.15 6.60 -0.02	69.47 4.12 0.00	55.11 3.31 0.00	46.79 3.63 0.00	40.27 2.35 0.00
TRINITY___115KV___4 BK 55933	36.04 0.64 0.00	33.11 0.59 0.00	30.87 0.61 0.00	29.83 0.56 0.00	30.23 0.53 0.00	31.31 0.49 0.00	33.98 0.54 0.00	36.97 0.65 0.00	38.41 0.60 0.00	39.34 1.00 0.00	42.71 1.32 0.00	49.74 1.40 0.00	51.42 1.40 0.00	58.53 1.54 0.00	68.44 1.67 0.00	73.79 2.15 0.00	102.05 2.88 0.00	118.42 3.00 0.00	103.59 2.82 0.00	83.97 2.45 0.00	66.99 1.63 0.00	53.24 1.45 0.00	44.68 1.51 0.00	38.83 0.91 0.00
UNION___PROCESSING_DRP 323587	35.23 -0.18 0.00	32.36 -0.16 0.00	29.96 -0.30 0.00	28.90 -0.38 0.00	29.42 -0.27 0.00	30.69 -0.12 0.00	33.51 0.07 0.00	36.36 0.04 0.00	38.07 0.26 0.00	38.50 0.15 0.00	41.96 0.58 0.00	49.21 0.87 0.00	50.92 0.90 0.00	58.41 1.42 0.00	68.57 1.80 0.00	72.72 1.07 0.00	100.96 1.79 0.00	116.81 1.39 0.00	102.48 1.71 0.00	82.91 1.39 0.00	67.18 1.83 0.00	53.35 1.55 0.00	43.04 -0.13 0.00	38.23 0.30 0.00
UPPER HUDSON___HYD 24058	37.49 2.09 0.00	34.44 1.92 0.00	32.05 1.79 0.00	30.89 1.61 0.00	31.35 1.66 0.00	32.57 1.76 0.00	35.41 1.97 0.00	38.39 2.07 0.00	40.15 2.34 0.00	41.18 2.84 0.00	44.65 3.27 0.00	52.50 4.16 0.00	54.32 4.30 0.00	62.06 5.07 0.00	71.31 4.54 0.00	76.65 5.01 0.00	106.41 7.24 0.00	123.85 8.42 0.00	108.32 7.56 0.00	87.40 5.87 0.00	69.99 4.64 0.00	55.98 4.19 0.00	46.66 3.49 0.00	40.66 2.73 0.00
UPPER RAQUET___HYD 24056	33.92 -1.49 0.00	31.12 -1.40 0.00	28.96 -1.30 0.00	28.05 -1.23 0.00	28.47 -1.22 0.00	29.64 -1.17 0.00	32.10 -1.34 0.00	34.90 -1.42 0.00	36.06 -1.74 0.00	36.28 -2.07 0.00	38.28 -3.10 0.00	44.72 -3.63 0.00	46.37 -3.65 0.00	42.35 -3.99 10.65	44.79 -4.74 17.24	46.13 -4.94 20.57	52.99 -7.54 38.65	109.66 -5.77 0.00	94.52 -6.25 0.00	48.71 -5.87 26.95	43.53 -4.45 17.37	48.12 -3.68 0.00	39.75 -3.41 0.00	35.99 -1.93 0.00
VALLEY44_115KV_TB2 355964	35.16 -0.25 0.00	32.39 -0.13 0.00	29.93 -0.33 0.00	28.81 -0.47 0.00	29.39 -0.30 0.00	30.63 -0.18 0.00	33.64 0.20 0.00	36.32 0.00 0.00	38.33 0.53 0.00	38.62 0.27 0.00	42.33 0.95 0.00	49.55 1.21 0.00	51.27 1.25 0.00	58.93 1.94 0.00	69.51 2.74 0.00	73.22 1.58 0.00	101.36 2.18 0.00	117.04 1.62 0.00	102.68 1.91 0.00	82.75 1.22 0.00	67.31 1.96 0.00	53.40 1.61 0.00	42.86 -0.30 0.00	38.38 0.46 0.00
VALLEY___115KV_TB 1-4 80826	35.37 -0.04 0.00	32.49 -0.03 0.00	30.20 -0.06 0.00	29.22 -0.06 0.00	29.63 -0.06 0.00	30.75 -0.06 0.00	33.37 -0.07 0.00	36.32 0.00 0.00	37.80 0.00 0.00	38.46 0.12 0.00	41.67 0.29 0.00	48.68 0.34 0.00	50.22 0.20 0.00	57.22 0.23 0.00	66.90 0.13 0.00	71.86 0.21 0.00	99.47 0.30 0.00	115.65 0.23 0.00	100.97 0.20 0.00	81.85 0.33 0.00	65.61 0.26 0.00	52.05 0.26 0.00	43.38 0.22 0.00	38.04 0.11 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	37.64 2.23 0.00	34.54 2.02 0.00	31.96 1.69 0.00	30.95 1.67 0.00	31.41 1.72 0.00	32.60 1.79 0.00	35.25 1.81 0.00	38.43 2.11 0.00	40.03 2.23 0.00	41.03 2.68 0.00	44.73 3.35 0.00	52.35 4.01 0.00	54.22 4.20 0.00	61.77 4.79 0.00	72.25 5.48 0.00	77.52 5.87 0.00	107.31 8.13 0.00	124.66 9.23 0.00	109.03 8.26 0.00	88.78 7.26 0.00	70.84 5.49 0.00	56.14 4.35 0.00	46.53 3.37 0.00	40.65 2.73 0.00
VISCHER___FERRY HYD 24020	36.61 1.20 0.00	33.73 1.20 0.00	31.48 1.21 0.00	30.39 1.11 0.00	30.82 1.13 0.00	31.95 1.14 0.00	34.68 1.24 0.00	37.63 1.31 0.00	39.32 1.51 0.00	40.23 1.88 0.00	43.53 2.15 0.00	50.85 2.51 0.00	52.57 2.55 0.00	59.84 2.85 0.00	69.98 3.20 0.00	75.36 3.72 0.00	104.43 5.25 0.00	121.19 5.77 0.00	106.10 5.34 0.00	86.01 4.48 0.00	68.55 3.20 0.00	54.38 2.59 0.00	45.62 2.46 0.00	39.71 1.78 0.00
V_A_10_SYNC_DSASP 323832	35.48 0.07 0.00	31.65 -0.88 0.00	29.23 -1.03 0.00	28.23 -1.05 0.00	28.65 -1.04 0.00	29.89 -0.92 0.00	32.67 -0.77 0.00	35.38 -0.94 0.00	37.16 -0.64 0.00	37.47 -0.88 0.00	40.89 -0.49 0.00	47.86 -0.48 0.00	49.42 -0.60 0.00	56.76 -0.23 0.00	66.70 -0.07 0.00	70.85 -0.79 0.00	97.49 -1.69 0.00	112.65 -2.77 0.00	99.05 -1.71 0.00	79.98 -1.55 0.00	65.55 0.20 0.00	51.84 0.05 0.00	42.30 -0.86 0.00	37.54 -0.38 0.00
V_CMM_10_SYNC_DSASP 323787	34.66 -0.75 0.00	31.84 -0.68 0.00	29.69 -0.58 0.00	28.75 -0.53 0.00	29.16 -0.53 0.00	30.29 -0.52 0.00	32.80 -0.64 0.00	35.63 -0.69 0.00	36.86 -0.94 0.00	37.04 -1.30 0.00	39.65 -1.74 0.00	46.31 -2.03 0.00	48.02 -2.00 0.00	56.15 -2.28 -1.45	66.44 -2.67 -2.34	71.64 -2.80 -2.80	100.08 -4.36 -5.26	111.62 -3.81 0.00	96.83 -3.93 0.00	81.69 -3.50 -3.67	65.10 -2.62 -2.36	49.67 -2.13 0.00	41.27 -1.90 0.00	36.79 -1.14 0.00
V_CMP_10_SYNC_DSASP 323788	35.02 -0.39 0.00	32.23 -0.29 0.00	30.23 -0.03 0.00	29.31 0.03 0.00	29.72 0.03 0.00	30.97 0.15 0.00	33.34 -0.10 0.00	36.10 -0.22 0.00	37.35 -0.45 0.00	37.58 -0.77 0.00	40.27 -1.12 0.00	47.04 -1.30 0.00	48.72 -1.30 0.00	55.51 -1.48 0.00	65.03 -1.74 0.00	69.92 -1.72 0.00	95.91 -3.27 0.00	112.88 -2.54 0.00	97.94 -2.82 0.00	78.84 -2.69 0.00	63.78 -1.57 0.00	50.29 -1.50 0.00	41.61 -1.55 0.00	37.05 -0.87 0.00
V_E_10_SYNC_DSASP 323830	39.30 3.89 0.00	35.71 3.19 0.00	32.71 2.45 0.00	31.65 2.37 0.00	32.19 2.49 0.00	33.52 2.71 0.00	36.58 3.14 0.00	39.77 3.45 0.00	41.35 3.55 0.00	42.22 3.87 0.00	45.77 4.38 0.00	53.61 5.27 0.00	55.52 5.50 0.00	63.65 6.66 0.00	74.71 7.94 0.00	80.45 8.81 0.00	111.57 12.40 0.00	130.66 15.23 0.00	114.97 14.21 0.00	93.84 12.31 0.00	75.09 9.74 0.00	59.46 7.66 0.00	48.43 5.26 0.00	42.40 4.47 0.00
V_F_30_NSYNC___DSASP 323816	37.39 1.98 0.00	34.37 1.85 0.00	32.02 1.75 0.00	30.92 1.64 0.00	31.35 1.66 0.00	32.54 1.72 0.00	35.35 1.91 0.00	38.32 2.00 0.00	40.03 2.23 0.00	41.03 2.68 0.00	44.44 3.06 0.00	52.12 3.77 0.00	53.87 3.85 0.00	61.49 4.50 0.00	71.51 4.74 0.00	76.87 5.23 0.00	106.71 7.53 0.00	123.96 8.54 0.00	108.42 7.65 0.00	87.72 6.19 0.00	70.12 4.77 0.00	55.78 3.99 0.00	46.53 3.37 0.00	40.58 2.65 0.00
V_F_30_SYNC_DSASP 323786	36.19 0.78 0.00	33.24 0.72 0.00	30.99 0.73 0.00	29.95 0.67 0.00	30.34 0.65 0.00	31.43 0.62 0.00	34.11 0.67 0.00	37.12 0.80 0.00	38.60 0.79 0.00	39.54 1.19 0.00	42.91 1.53 0.00	50.08 1.74 0.00	51.77 1.75 0.00	58.93 1.94 0.00	68.91 2.14 0.00	74.22 2.58 0.00	102.65 3.47 0.00	119.12 3.69 0.00	104.19 3.43 0.00	84.38 2.85 0.00	67.38 2.03 0.00	53.55 1.76 0.00	44.89 1.73 0.00	39.02 1.10 0.00



V_XM10_SYNC_DSASP 323789	35.02 -0.39 0.00	32.23 -0.29 0.00	30.23 -0.03 0.00	29.31 0.03 0.00	29.72 0.03 0.00	30.97 0.15 0.00	33.34 -0.10 0.00	36.10 -0.22 0.00	37.35 -0.45 0.00	37.58 -0.77 0.00	40.27 -1.12 0.00	47.04 -1.30 0.00	48.72 -1.30 0.00	55.51 -1.48 0.00	65.03 -1.74 0.00	69.92 -1.72 0.00	95.91 -3.27 0.00	112.88 -2.54 0.00	97.94 -2.82 0.00	78.84 -2.69 0.00	63.78 -1.57 0.00	50.29 -1.50 0.00	41.61 -1.55 0.00	37.05 -0.87 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	36.82 1.42 0.00	33.89 1.37 0.00	31.60 1.33 0.00	30.51 1.23 0.00	30.88 1.19 0.00	31.95 1.14 0.00	34.68 1.24 0.00	37.99 1.67 0.00	39.50 1.70 0.00	40.53 2.19 0.00	44.20 2.81 0.00	51.53 3.19 0.00	53.12 3.10 0.00	60.41 3.42 0.00	70.98 4.21 0.00	76.44 4.80 0.00	106.42 7.24 0.00	122.93 7.50 0.00	107.51 6.75 0.00	86.91 5.38 0.00	68.68 3.33 0.00	54.33 2.54 0.00	46.14 2.98 0.00	39.82 1.90 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	37.18 1.77 0.00	34.18 1.66 0.00	31.90 1.63 0.00	30.77 1.49 0.00	31.15 1.45 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.46 2.14 0.00	40.07 2.27 0.00	41.11 2.76 0.00	44.86 3.48 0.00	52.21 3.87 0.00	53.62 3.60 0.00	60.86 3.88 0.00	71.65 4.87 0.00	77.16 5.52 0.00	107.61 8.43 0.00	124.20 8.77 0.00	108.42 7.66 0.00	87.64 6.11 0.00	69.08 3.73 0.00	54.54 2.74 0.00	46.66 3.50 0.00	40.16 2.24 0.00
W50THST__13_KV_LOAD 356117	37.42 2.02 0.00	34.41 1.89 0.00	32.08 1.82 0.00	30.95 1.67 0.00	31.32 1.63 0.00	32.45 1.63 0.00	35.28 1.84 0.00	38.75 2.43 0.00	40.37 2.57 0.00	41.49 3.14 0.00	45.27 3.89 0.00	52.69 4.35 0.00	54.07 4.05 0.00	61.38 4.39 0.00	72.25 5.48 0.00	77.80 6.16 0.00	108.50 9.32 0.00	125.12 9.70 0.00	109.23 8.46 0.00	88.29 6.77 0.00	69.53 4.18 0.00	54.90 3.11 0.00	47.01 3.84 0.00	40.46 2.54 0.00
WADING RIVER_IC_1 23522	39.99 3.33 -1.25	35.86 3.32 -0.02	34.14 3.18 -0.70	32.67 2.93 -0.46	33.45 2.97 -0.79	33.84 3.02 -0.01	37.54 3.45 -0.65	39.99 3.67 0.00	44.00 4.27 -1.92	48.77 4.75 -5.67	52.51 4.26 -6.86	53.03 4.69 0.00	101.96 5.45 -46.48	169.56 6.10 -106.47	328.44 7.21 -254.46	312.88 7.67 -233.57	306.68 10.81 -196.69	297.33 11.65 -170.25	298.38 10.58 -187.04	307.79 9.21 -217.05	378.71 6.41 -306.95	168.73 5.08 -111.86	112.82 4.83 -64.82	45.44 3.64 -3.87
WADING RIVER_IC_2 23547	39.99 3.33 -1.25	35.86 3.32 -0.02	34.14 3.18 -0.70	32.67 2.93 -0.46	33.45 2.97 -0.79	33.84 3.02 -0.01	37.54 3.45 -0.65	39.99 3.67 0.00	44.00 4.27 -1.92	48.77 4.75 -5.67	52.51 4.26 -6.86	53.03 4.69 0.00	101.96 5.45 -46.48	169.56 6.10 -106.47	328.44 7.21 -254.46	312.88 7.67 -233.57	306.68 10.81 -196.69	297.33 11.65 -170.25	298.38 10.58 -187.04	307.79 9.21 -217.05	378.71 6.41 -306.95	168.73 5.08 -111.86	112.82 4.83 -64.82	45.44 3.64 -3.87
WADING RIVER_IC_3 23601	39.99 3.33 -1.25	35.86 3.32 -0.02	34.14 3.18 -0.70	32.67 2.93 -0.46	33.45 2.97 -0.79	33.84 3.02 -0.01	37.54 3.45 -0.65	39.99 3.67 0.00	44.00 4.27 -1.92	48.77 4.75 -5.67	52.51 4.26 -6.86	53.03 4.69 0.00	101.96 5.45 -46.48	169.56 6.10 -106.47	328.44 7.21 -254.46	312.88 7.67 -233.57	306.68 10.81 -196.69	297.33 11.65 -170.25	298.38 10.58 -187.04	307.79 9.21 -217.05	378.71 6.41 -306.95	168.73 5.08 -111.86	112.82 4.83 -64.82	45.44 3.64 -3.87
WALDENNY_12_KV_BK2 80841	34.98 -0.42 0.00	32.23 -0.29 0.00	29.81 -0.45 0.00	28.69 -0.59 0.00	29.28 -0.42 0.00	30.54 -0.28 0.00	33.44 0.00 0.00	36.18 -0.15 0.00	38.22 0.42 0.00	38.42 0.08 0.00	42.09 0.70 0.00	49.26 0.92 0.00	50.87 0.85 0.00	58.53 1.54 0.00	68.84 2.07 0.00	72.36 0.72 0.00	100.37 1.19 0.00	115.77 0.35 0.00	101.47 0.71 0.00	81.85 0.33 0.00	66.79 1.44 0.00	53.14 1.35 0.00	42.43 -0.73 0.00	38.19 0.27 0.00
WALDEN__HYDRO 24148	36.64 1.24 0.00	33.86 1.33 0.00	31.53 1.27 0.00	30.48 1.20 0.00	30.91 1.22 0.00	31.92 1.11 0.00	34.68 1.24 0.00	37.96 1.64 0.00	39.62 1.81 0.00	40.57 2.22 0.00	43.82 2.44 0.00	51.10 2.75 0.00	52.77 2.75 0.00	60.01 3.02 0.00	70.51 3.74 0.00	76.08 4.44 0.00	106.22 7.04 0.00	122.82 7.39 0.00	107.41 6.65 0.00	86.82 5.30 0.00	68.62 3.27 0.00	54.48 2.69 0.00	46.10 2.94 0.00	39.89 1.97 0.00
WARRENSBURG____ 23737	37.49 2.09 0.00	34.44 1.92 0.00	32.05 1.79 0.00	30.89 1.61 0.00	31.35 1.66 0.00	32.57 1.76 0.00	35.41 1.97 0.00	38.39 2.07 0.00	40.15 2.34 0.00	41.18 2.84 0.00	44.65 3.27 0.00	52.50 4.16 0.00	54.32 4.30 0.00	62.06 5.07 0.00	71.31 4.54 0.00	76.65 5.01 0.00	106.41 7.24 0.00	123.85 8.42 0.00	108.32 7.56 0.00	87.40 5.87 0.00	69.99 4.64 0.00	55.98 4.19 0.00	46.66 3.49 0.00	40.66 2.73 0.00
WATERSIDE____6 8 9 23538	37.14 1.73 0.00	34.12 1.59 0.00	31.87 1.60 0.00	30.71 1.43 0.00	31.06 1.37 0.00	32.11 1.29 0.00	34.95 1.50 0.00	38.35 2.03 0.00	39.96 2.15 0.00	41.03 2.68 0.00	44.69 3.31 0.00	51.77 3.43 0.01	53.11 3.10 0.01	58.03 3.31 2.27	72.95 4.21 -1.98	64.70 4.80 11.74	109.29 7.44 -2.67	115.36 7.62 7.68	74.34 6.75 33.18	72.62 5.46 14.37	63.12 3.14 5.37	50.60 2.38 3.57	46.49 3.32 0.00	40.05 2.12 0.00
WATKINRD_115KV_LN8_ILLION 55919	35.48 0.07 0.00	32.59 0.07 0.00	30.29 0.03 0.00	29.31 0.03 0.00	29.72 0.03 0.00	30.84 0.03 0.00	33.47 0.03 0.00	36.39 0.07 0.00	37.88 0.08 0.00	38.54 0.19 0.00	41.71 0.33 0.00	48.73 0.39 0.00	50.32 0.30 0.00	57.33 0.34 0.00	67.10 0.33 0.00	72.07 0.43 0.00	99.77 0.60 0.00	116.00 0.58 0.00	101.37 0.60 0.00	82.18 0.65 0.00	65.81 0.46 0.00	52.21 0.41 0.00	43.47 0.30 0.00	38.11 0.19 0.00
WATSON__69_KV_BK 1 55734	40.06 3.40 -1.25	35.72 3.19 -0.02	33.99 3.03 -0.70	32.58 2.84 -0.46	33.30 2.82 -0.79	33.68 2.87 0.00	37.30 3.21 -0.65	39.77 3.45 0.00	42.77 3.10 -1.86	48.51 3.87 -6.29	49.31 4.47 -3.46	53.13 4.79 0.00	78.78 5.35 -23.41	118.90 5.98 -55.93	184.67 7.41 -110.48	209.13 8.24 -129.25	220.06 12.10 -108.78	218.18 13.16 -89.60	209.50 11.59 -97.15	144.41 9.62 -53.26	204.81 6.40 -133.05	91.53 4.97 -34.77	80.70 4.88 -32.66	43.33 3.45 -1.95
WDELAWARE__HYD 323627	36.51 1.10 0.00	33.73 1.20 0.00	31.35 1.09 0.00	30.30 1.02 0.00	30.73 1.04 0.00	31.71 0.89 0.00	34.44 1.00 0.00	37.92 1.60 0.00	39.62 1.81 0.00	40.57 2.22 0.00	43.78 2.40 0.00	51.10 2.75 0.00	51.67 1.65 0.00	58.87 1.88 0.00	69.24 2.47 0.00	74.94 3.30 0.00	104.93 5.75 0.00	120.85 5.43 0.00	105.60 4.84 0.00	85.44 3.91 0.00	68.88 3.53 0.00	54.74 2.95 0.00	46.14 2.98 0.00	39.89 1.97 0.00
WEST BABYLON__IC 23714	39.80 3.15 -1.25	35.50 2.96 -0.02	33.78 2.81 -0.70	32.37 2.64 -0.46	33.09 2.61 -0.79	33.46 2.65 0.00	37.07 2.98 -0.65	39.55 3.23 0.00	41.40 2.91 -0.68	44.70 3.60 -2.75	46.39 4.18 -0.83	52.74 4.40 0.00	60.61 4.95 -5.64	79.49 5.53 -16.98	107.59 6.88 -33.94	128.21 7.74 -48.83	151.60 11.41 -41.01	155.20 12.35 -27.42	139.61 10.98 -27.86	103.56 8.97 -13.07	104.67 5.88 -33.44	66.13 4.56 -9.78	55.56 4.53 -7.86	41.58 3.19 -0.47



WEST CANADA___HYD 24049	35.55 0.14 0.00	32.65 0.13 0.00	30.39 0.12 0.00	29.40 0.12 0.00	29.81 0.12 0.00	30.94 0.12 0.00	33.58 0.13 0.00	36.47 0.15 0.00	37.99 0.19 0.00	38.62 0.27 0.00	41.71 0.33 0.00	48.73 0.38 0.00	50.37 0.35 0.00	57.07 0.40 0.31	66.73 0.47 0.51	71.54 0.51 0.61	98.74 0.70 1.14	116.12 0.70 0.00	101.47 0.71 0.00	81.39 0.65 0.79	65.30 0.46 0.51	52.20 0.41 0.00	43.51 0.34 0.00	38.15 0.23 0.00
WESTERN_NY_WIND 24143	36.57 1.17 0.00	32.52 0.00 0.00	30.05 -0.21 0.00	28.93 -0.35 0.00	29.42 -0.27 0.00	30.75 -0.06 0.00	33.94 0.50 0.00	36.79 0.47 0.00	38.71 0.91 0.00	39.04 0.69 0.00	42.62 1.24 0.00	49.93 1.59 0.00	51.42 1.40 0.00	59.38 2.39 0.00	69.91 3.14 0.00	74.29 2.65 0.00	102.35 3.17 0.00	118.31 2.89 0.00	104.29 3.52 0.00	84.14 2.61 0.00	68.75 3.40 0.00	54.18 2.38 0.00	43.94 0.78 0.00	38.91 0.98 0.00
WESTOVER___LESR 323668	35.90 0.50 0.00	32.98 0.46 0.00	30.57 0.30 0.00	29.54 0.26 0.00	30.02 0.33 0.00	31.18 0.37 0.00	33.94 0.50 0.00	36.87 0.54 0.00	38.48 0.68 0.00	39.15 0.81 0.00	42.58 1.20 0.00	49.79 1.45 0.00	51.57 1.55 0.00	58.87 1.88 0.00	69.11 2.34 0.00	73.79 2.15 0.00	102.15 2.98 0.00	118.54 3.12 0.00	103.79 3.02 0.00	84.06 2.53 0.00	67.70 2.35 0.00	53.66 1.86 0.00	44.16 0.99 0.00	38.83 0.91 0.00
WETHRSFD_WT_PWR 323626	36.29 0.89 0.00	32.42 -0.10 0.00	29.93 -0.33 0.00	28.87 -0.41 0.00	29.34 -0.35 0.00	30.60 -0.21 0.00	33.54 0.10 0.00	36.25 -0.07 0.00	38.22 0.42 0.00	38.58 0.23 0.00	42.13 0.75 0.00	49.31 0.97 0.00	50.92 0.90 0.00	58.41 1.43 0.00	68.71 1.94 0.00	72.93 1.29 0.00	100.46 1.29 0.00	116.00 0.58 0.00	101.98 1.21 0.00	82.26 0.73 0.00	67.38 2.03 0.00	53.29 1.50 0.00	43.43 0.26 0.00	38.49 0.57 0.00
WHAVSTOR_138KV_BK127 55557	36.65 1.24 0.00	33.72 1.20 0.00	31.47 1.21 0.00	30.39 1.11 0.00	30.76 1.07 0.00	31.83 1.02 0.00	34.54 1.10 0.00	37.81 1.49 0.00	39.35 1.55 0.00	40.38 2.03 0.00	43.99 2.61 0.00	51.24 2.90 0.00	52.82 2.80 0.00	60.01 3.02 0.00	70.51 3.74 0.00	76.01 4.37 0.00	105.82 6.64 0.00	122.12 6.69 0.00	106.81 6.05 0.00	86.42 4.89 0.00	68.29 2.94 0.00	54.02 2.23 0.00	45.93 2.76 0.00	39.63 1.71 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	36.65 1.24 0.00	33.72 1.20 0.00	31.47 1.21 0.00	30.39 1.11 0.00	30.76 1.07 0.00	31.83 1.02 0.00	34.54 1.10 0.00	37.81 1.49 0.00	39.35 1.55 0.00	40.38 2.03 0.00	43.99 2.61 0.00	51.24 2.90 0.00	52.82 2.80 0.00	60.01 3.02 0.00	70.51 3.74 0.00	76.01 4.37 0.00	105.82 6.64 0.00	122.12 6.69 0.00	106.81 6.05 0.00	86.42 4.89 0.00	68.29 2.94 0.00	54.02 2.23 0.00	45.93 2.76 0.00	39.63 1.71 0.00
WHITEHAL_115KV_TB1 80871	38.88 3.47 0.00	35.61 3.09 0.00	33.05 2.78 0.00	31.83 2.55 0.00	32.27 2.58 0.00	33.59 2.77 0.00	36.58 3.14 0.00	39.70 3.38 0.00	41.36 3.55 0.00	42.49 4.14 0.00	46.35 4.97 0.00	54.77 6.43 0.00	56.57 6.55 0.00	64.79 7.81 0.00	74.52 7.75 0.00	80.09 8.45 0.00	111.28 12.10 0.00	129.62 14.20 0.00	113.36 12.60 0.00	91.15 9.62 0.00	73.26 7.91 0.00	58.58 6.78 0.00	48.34 5.18 0.00	42.13 4.21 0.00
WHITEPLN_13_KV_LOAD 356215	37.25 1.84 0.00	34.28 1.76 0.00	31.99 1.73 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.35 1.54 0.00	35.18 1.74 0.00	38.50 2.18 0.00	40.18 2.38 0.00	41.26 2.91 0.00	44.98 3.60 0.00	52.45 4.11 0.00	53.97 3.95 0.00	61.32 4.33 0.00	72.05 5.27 0.00	77.66 6.02 0.00	108.20 9.03 0.00	124.77 9.35 0.00	109.13 8.36 0.00	88.21 6.69 0.00	69.66 4.31 0.00	55.16 3.37 0.00	46.88 3.71 0.00	40.39 2.46 0.00
WM_FLOYD_69_KV_BK2 356380	40.02 3.36 -1.26	35.66 3.12 -0.02	33.96 3.00 -0.70	32.52 2.78 -0.46	33.24 2.76 -0.79	33.62 2.80 0.00	37.27 3.18 -0.65	39.70 3.38 0.00	42.74 2.99 -1.96	44.90 3.72 -2.83	52.72 4.35 -6.99	52.98 4.64 0.00	102.70 5.30 -47.38	171.42 5.98 -108.45	388.77 7.34 -314.66	317.32 8.02 -237.66	310.72 11.41 -200.14	301.19 12.35 -173.41	302.31 10.98 -190.56	297.41 9.38 -206.50	440.08 6.40 -368.32	226.15 4.92 -169.44	114.09 4.83 -66.09	45.21 3.34 -3.95
WOODARD__115KV_TB2 355635	35.48 0.07 0.00	32.59 0.07 0.00	30.20 -0.06 0.00	29.22 -0.06 0.00	29.63 -0.06 0.00	30.81 0.00 0.00	33.54 0.10 0.00	36.32 0.00 0.00	37.88 0.08 0.00	38.54 0.19 0.00	41.75 0.37 0.00	48.87 0.53 0.00	50.62 0.60 0.00	57.79 0.80 0.00	67.71 0.93 0.00	72.36 0.72 0.00	100.17 0.99 0.00	116.35 0.92 0.00	101.77 1.01 0.00	82.34 0.82 0.00	66.27 0.91 0.00	52.52 0.73 0.00	43.34 0.17 0.00	38.04 0.11 0.00
YORK___WARBASSE 23770	37.32 1.91 0.00	34.31 1.79 0.00	32.05 1.79 0.00	30.86 1.58 0.00	31.21 1.51 0.00	32.23 1.42 0.00	35.05 1.61 0.00	38.57 2.25 0.00	40.22 2.42 0.00	41.22 2.88 0.00	44.98 3.60 0.00	52.01 3.67 0.01	53.31 3.30 0.01	58.58 3.59 1.99	81.54 4.61 -10.16	75.89 5.23 0.98	120.94 8.03 -13.72	116.86 8.20 6.76	85.04 7.36 23.08	94.40 5.87 -7.00	76.25 3.53 -7.37	51.24 2.59 3.14	46.79 3.63 0.00	40.24 2.31 0.00