

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

11/03/2025

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	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	36.17	37.93	38.42	38.11	43.06	53.47	58.41	63.37	49.68	49.04	49.62	47.37	55.84	59.59	64.68	56.86	62.06	69.61	80.25	61.24	50.59	39.15	38.79	37.93
24138	2.29	2.33	2.29	2.19	2.64	3.53	4.30	4.80	4.21	4.16	4.41	4.45	4.87	4.69	4.82	4.31	4.84	5.27	6.09	4.62	3.81	3.21	3.17	2.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	36.15	37.89	38.38	38.10	43.06	53.47	58.39	63.37	49.64	48.95	49.52	47.28	55.73	59.55	64.67	56.86	62.03	69.59	80.23	61.26	50.62	39.14	38.76	37.90
24260	2.27	2.29	2.24	2.18	2.64	3.53	4.28	4.80	4.17	4.08	4.31	4.36	4.76	4.65	4.81	4.31	4.81	5.25	6.08	4.63	3.84	3.20	3.14	2.87
	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	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	36.15	37.89	38.38	38.10	43.06	53.47	58.39	63.37	49.64	48.95	49.52	47.28	55.73	59.55	64.67	56.86	62.03	69.59	80.23	61.26	50.62	39.14	38.76	37.90
24261	2.27	2.29	2.24	2.18	2.64	3.53	4.28	4.80	4.17	4.08	4.31	4.36	4.76	4.65	4.81	4.31	4.81	5.25	6.08	4.63	3.84	3.20	3.14	2.87
	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	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	35.65	37.41	37.81	37.82	42.48	52.84	57.34	61.47	47.21	46.01	46.25	44.13	53.04	56.81	62.50	55.26	60.08	67.53	78.04	59.68	49.33	37.70	37.32	36.88
24011	1.77	1.81	1.67	1.91	2.06	2.90	3.23	2.89	1.74	1.13	1.05	1.21	2.07	1.92	2.64	2.71	2.86	3.19	3.89	3.06	2.54	1.76	1.70	1.85
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	35.88	37.65	37.96	38.04	42.69	53.18	57.75	61.75	47.35	46.00	46.22	44.19	53.24	57.02	62.72	55.48	60.35	67.91	78.56	60.09	49.58	37.83	37.43	37.04
23798	2.00	2.05	1.83	2.12	2.27	3.24	3.64	3.17	1.87	1.13	1.02	1.26	2.28	2.12	2.86	2.93	3.13	3.58	4.41	3.47	2.79	1.89	1.81	2.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	35.65	37.41	37.81	37.82	42.48	52.84	57.34	61.47	47.21	46.01	46.25	44.13	53.04	56.81	62.50	55.26	60.08	67.53	78.04	59.68	49.33	37.70	37.32	36.88
24028	1.77	1.81	1.67	1.91	2.06	2.90	3.23	2.89	1.74	1.13	1.05	1.21	2.07	1.92	2.64	2.71	2.86	3.19	3.89	3.06	2.54	1.76	1.70	1.85
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	35.51	37.30	37.77	37.71	42.28	52.44	56.90	61.08	47.39	46.34	46.41	44.25	52.88	57.02	62.50	55.02	59.39	66.31	76.77	58.74	48.76	37.34	37.05	36.73
23527	1.63	1.70	1.63	1.80	1.86	2.50	2.80	2.50	1.92	1.48	1.20	1.32	1.91	2.12	2.63	2.47	2.17	1.98	2.62	2.12	1.97	1.40	1.43	1.71
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	34.81	36.57	37.14	36.98	41.54	51.43	55.82	60.25	46.82	46.00	46.25	44.08	52.46	56.36	61.59	54.24	58.87	65.92	76.09	58.16	48.16	37.05	36.69	36.12
24190	0.93	0.97	1.00	1.06	1.12	1.49	1.71	1.67	1.34	1.13	1.05	1.16	1.49	1.47	1.73	1.69	1.64	1.58	1.94	1.53	1.37	1.11	1.07	1.09
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	34.23	35.92	36.37	36.13	40.68	50.46	54.46	59.08	45.91	45.47	45.79	43.29	51.41	55.41	60.66	52.94	57.74	65.27	74.90	57.17	47.23	36.21	35.93	35.39
355683	0.35	0.33	0.24	0.21	0.26	0.52	0.35	0.50	0.44	0.60	0.58	0.36	0.43	0.51	0.79	0.39	0.52	0.93	0.75	0.54	0.44	0.27	0.31	0.36
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	35.16	36.99	37.60	37.43	42.07	52.03	56.47	60.96	47.20	46.33	46.47	44.23	52.76	56.62	61.99	54.75	59.49	66.68	76.92	58.78	48.67	37.40	37.04	36.46
323833	1.28	1.39	1.47	1.51	1.64	2.09	2.36	2.38	1.72	1.46	1.26	1.31	1.79	1.72	2.12	2.20	2.27	2.34	2.77	2.16	1.89	1.46	1.42	1.44
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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_SOLAR	35.15	36.98	37.59	37.42	42.06	52.02	56.45	60.95	47.19	46.33	46.47	44.22	52.75	56.61	61.97	54.73	59.49	66.67	76.89	58.76	48.65	37.40	37.04	36.46
323834	1.27	1.38	1.45	1.50	1.63	2.08	2.35	2.37	1.72	1.45	1.26	1.30	1.78	1.72	2.11	2.18	2.27	2.33	2.74	2.14	1.86	1.46	1.42	1.43
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	34.81	36.57	37.14	36.98	41.54	51.43	55.82	60.25	46.82	46.00	46.25	44.08	52.46	56.36	61.59	54.24	58.87	65.92	76.09	58.16	48.16	37.05	36.69	36.12
23571	0.93	0.97	1.00	1.06	1.12	1.49	1.71	1.67	1.34	1.13	1.05	1.16	1.49	1.47	1.73	1.69	1.64	1.58	1.94	1.53	1.37	1.11	1.07	1.09
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 23572	34.81 0.93 0.00	36.57 0.97 0.00	37.14 1.00 0.00	36.98 1.06 0.00	41.54 1.12 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.25 1.67 0.00	46.82 1.34 0.00	46.00 1.13 0.00	46.25 1.05 0.00	44.08 1.16 0.00	52.46 1.49 0.00	56.36 1.47 0.00	61.59 1.73 0.00	54.24 1.69 0.00	58.87 1.64 0.00	65.92 1.58 0.00	76.09 1.94 0.00	58.16 1.53 0.00	48.16 1.37 0.00	37.05 1.11 0.00	36.69 1.07 0.00	36.12 1.09 0.00
ALBANY___3 23573	34.81 0.93 0.00	36.57 0.97 0.00	37.14 1.00 0.00	36.98 1.06 0.00	41.54 1.12 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.25 1.67 0.00	46.82 1.34 0.00	46.00 1.13 0.00	46.25 1.05 0.00	44.08 1.16 0.00	52.46 1.49 0.00	56.36 1.47 0.00	61.59 1.73 0.00	54.24 1.69 0.00	58.87 1.64 0.00	65.92 1.58 0.00	76.09 1.94 0.00	58.16 1.53 0.00	48.16 1.37 0.00	37.05 1.11 0.00	36.69 1.07 0.00	36.12 1.09 0.00
ALBANY___4 23574	34.81 0.93 0.00	36.57 0.97 0.00	37.14 1.00 0.00	36.98 1.06 0.00	41.54 1.12 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.25 1.67 0.00	46.82 1.34 0.00	46.00 1.13 0.00	46.25 1.05 0.00	44.08 1.16 0.00	52.46 1.49 0.00	56.36 1.47 0.00	61.59 1.73 0.00	54.24 1.69 0.00	58.87 1.64 0.00	65.92 1.58 0.00	76.09 1.94 0.00	58.16 1.53 0.00	48.16 1.37 0.00	37.05 1.11 0.00	36.69 1.07 0.00	36.12 1.09 0.00
ALBANY___LFGE 323615	35.08 1.20 0.00	36.86 1.26 0.00	37.43 1.29 0.00	37.27 1.36 0.00	41.88 1.45 0.00	51.85 1.90 0.00	56.31 2.20 0.00	60.77 2.19 0.00	47.19 1.72 0.00	46.35 1.48 0.00	46.60 1.39 0.00	44.40 1.48 0.00	52.90 1.93 0.00	56.82 1.92 0.00	62.18 2.31 0.00	54.74 2.19 0.00	59.40 2.18 0.00	66.52 2.18 0.00	76.78 2.63 0.00	58.68 2.05 0.00	48.57 1.79 0.00	37.35 1.41 0.00	36.97 1.35 0.00	36.40 1.37 0.00
ALCOA_PA_115KV_PL-6C 55860	34.50 0.61 0.00	36.20 0.60 0.00	36.64 0.51 0.00	36.40 0.48 0.00	41.00 0.58 0.00	50.84 0.90 0.00	54.84 0.73 0.00	59.47 0.89 0.00	46.22 0.75 0.00	45.78 0.91 0.00	46.04 0.83 0.00	43.49 0.56 0.00	51.71 0.74 0.00	55.81 0.91 0.00	61.14 1.28 0.00	53.34 0.79 0.00	58.21 0.99 0.00	65.77 1.44 0.00	75.47 1.32 0.00	57.18 0.94 0.38	47.59 0.80 0.00	36.47 0.53 0.00	36.19 0.57 0.00	35.65 0.62 0.00
ALCOA_RYNLDS___DRP 24188	34.50 0.61 0.00	36.20 0.60 0.00	36.64 0.51 0.00	36.40 0.48 0.00	41.00 0.58 0.00	50.84 0.90 0.00	54.84 0.73 0.00	59.47 0.89 0.00	46.22 0.75 0.00	45.78 0.91 0.00	46.04 0.83 0.00	43.49 0.56 0.00	51.71 0.74 0.00	55.81 0.91 0.00	61.14 1.28 0.00	53.34 0.79 0.00	58.21 0.99 0.00	65.77 1.44 0.00	75.47 1.32 0.00	57.18 0.94 0.38	47.59 0.80 0.00	36.47 0.53 0.00	36.19 0.57 0.00	35.65 0.62 0.00
ALCOA___DSASP 323711	34.50 0.61 0.00	36.20 0.60 0.00	36.64 0.51 0.00	36.40 0.48 0.00	41.00 0.58 0.00	50.84 0.90 0.00	54.84 0.73 0.00	59.47 0.89 0.00	46.22 0.75 0.00	45.78 0.91 0.00	46.04 0.83 0.00	43.49 0.56 0.00	51.71 0.74 0.00	55.81 0.91 0.00	61.14 1.28 0.00	53.34 0.79 0.00	58.21 0.99 0.00	65.77 1.44 0.00	75.47 1.32 0.00	57.18 0.94 0.38	47.59 0.80 0.00	36.47 0.53 0.00	36.19 0.57 0.00	35.65 0.62 0.00
ALLEGHENY___COGEN 23514	33.16 -0.72 0.00	34.89 -0.72 0.00	35.40 -0.74 0.00	34.96 -0.96 0.00	39.40 -1.02 0.00	52.26 -1.91 -4.23	97.78 -1.88 -45.55	57.06 -1.52 0.00	43.28 -2.19 0.00	36.95 -2.26 5.67	41.43 -1.89 1.88	36.87 -2.21 3.84	48.26 -2.70 0.00	39.78 -3.26 11.86	21.48 -3.34 35.04	34.88 -2.47 15.20	37.89 -2.33 17.01	62.49 -1.77 0.08	72.84 -1.31 0.00	55.63 -0.99 0.00	37.89 -1.45 7.44	32.08 -1.45 2.41	34.15 -1.47 0.00	33.52 -1.51 0.00
ALTAMONT_115KV_TB 2 55880	34.77 0.89 0.00	36.55 0.95 0.00	37.14 1.01 0.00	36.96 1.04 0.00	41.56 1.14 0.00	51.39 1.45 0.00	55.77 1.67 0.00	60.29 1.71 0.00	46.85 1.37 0.00	46.05 1.18 0.00	46.35 1.14 0.00	44.16 1.23 0.00	52.48 1.51 0.00	56.36 1.46 0.00	61.54 1.67 0.00	54.16 1.61 0.00	58.85 1.63 0.00	65.94 1.61 0.00	76.10 1.94 0.00	58.16 1.54 0.00	48.16 1.38 0.00	37.05 1.11 0.00	36.70 1.08 0.00	36.10 1.08 0.00
ALTONA_WT_PWR 323606	34.06 0.18 0.00	35.71 0.12 0.00	35.88 -0.25 0.00	35.59 -0.33 0.00	40.07 -0.35 0.00	49.71 -0.22 0.00	53.20 -0.91 0.00	57.57 -1.01 0.00	44.74 -0.73 0.00	44.52 -0.36 0.00	45.22 0.02 0.00	42.69 -0.23 0.00	50.55 -0.42 0.00	54.94 0.04 0.00	59.66 -0.21 0.00	51.81 -0.73 0.00	56.13 -1.09 0.00	63.64 -0.70 0.00	72.51 -1.64 0.00	41.30 -1.48 13.84	45.57 -1.21 0.00	34.95 -0.99 0.00	34.76 -0.86 0.00	34.26 -0.77 0.00
AMERICAN_REF_FUEL 24010	30.83 -3.05 0.00	32.67 -2.93 0.00	33.18 -2.96 0.00	32.81 -3.11 0.00	36.56 -3.86 0.00	42.47 -6.53 0.94	36.58 -7.99 9.53	50.19 -8.39 0.00	39.13 -6.34 0.00	37.21 -5.61 2.05	38.79 -5.74 0.68	35.61 -5.93 1.39	43.84 -7.13 0.00	43.13 -7.48 4.29	38.52 -8.47 12.88	38.48 -7.59 6.47	42.05 -7.94 7.23	55.77 -8.53 0.03	64.64 -9.51 0.00	49.59 -7.04 0.00	35.34 -6.45 4.99	29.36 -5.14 1.43	30.70 -4.92 0.00	30.22 -4.80 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	30.88 -3.00 0.00	32.62 -2.98 0.00	33.21 -2.93 0.00	32.49 -3.43 0.00	36.77 -3.65 0.00	43.42 -5.81 0.72	40.36 -6.67 7.08	52.34 -6.24 0.00	41.03 -4.45 0.00	37.90 -4.38 2.59	39.56 -4.79 0.86	33.72 -5.18 4.02	44.91 -6.06 0.00	42.94 -6.55 5.41	35.97 -7.52 16.38	37.10 -6.72 8.73	40.82 -6.64 9.76	57.30 -6.99 0.04	66.73 -7.42 0.00	50.91 -5.71 0.00	33.66 -5.93 7.19	29.43 -4.70 1.81	31.05 -4.57 0.00	30.54 -4.49 0.00
ARTHUR KILL_GT_1 23520	36.27 2.38 0.00	38.05 2.45 0.00	38.56 2.42 0.00	38.25 2.33 0.00	43.34 2.92 0.00	53.78 3.84 0.00	58.37 4.26 0.00	62.93 4.35 0.00	49.43 3.95 0.00	48.61 3.74 0.00	49.17 3.96 0.00	47.02 4.10 0.00	55.22 4.25 0.00	58.99 4.09 0.00	64.20 4.33 0.00	56.51 3.96 0.00	61.63 4.41 0.00	69.21 4.87 0.00	79.68 5.53 0.00	60.95 4.33 0.00	50.65 3.87 0.00	39.19 3.25 0.00	38.82 3.20 0.00	38.06 3.04 0.00
ARTHUR_KILL_2 23512	36.19 2.31 0.00	37.97 2.37 0.00	38.46 2.33 0.00	38.17 2.25 0.00	43.24 2.82 0.00	53.65 3.71 0.00	58.21 4.11 0.00	62.77 4.19 0.00	49.32 3.85 0.00	48.50 3.63 0.00	49.08 3.87 0.00	46.92 3.99 0.00	55.08 4.12 0.00	58.85 3.96 0.00	64.04 4.18 0.00	56.35 3.81 0.00	61.49 4.28 0.00	69.00 4.67 0.00	79.44 5.30 0.00	60.78 4.16 0.00	50.51 3.72 0.00	39.09 3.15 0.00	38.73 3.11 0.00	37.98 2.95 0.00
ARTHUR_KILL_3 23513	35.80 1.92 0.00	37.52 1.92 0.00	38.02 1.88 0.00	37.74 1.82 0.00	42.64 2.22 0.00	52.94 3.00 0.00	57.86 3.76 0.00	62.87 4.28 0.00	49.26 3.79 0.00	48.54 3.67 0.00	49.13 3.92 0.00	46.91 3.98 0.00	55.27 4.31 0.00	59.05 4.15 0.00	64.12 4.26 0.00	56.36 3.81 0.00	61.47 4.25 0.00	68.99 4.65 0.00	79.54 5.39 0.00	60.73 4.11 0.00	50.18 3.40 0.00	38.82 2.88 0.00	38.47 2.85 0.00	37.62 2.60 0.00



ARTHUR_KILL_COGEN 323718	36.27 2.38 0.00	38.05 2.45 0.00	38.56 2.42 0.00	38.25 2.34 0.00	43.34 2.92 0.00	53.79 3.85 0.00	58.35 4.24 0.00	62.93 4.35 0.00	49.44 3.96 0.00	48.61 3.73 0.00	49.18 3.97 0.00	47.02 4.10 0.00	55.20 4.23 0.00	59.00 4.10 0.00	64.21 4.35 0.00	56.48 3.93 0.00	61.63 4.41 0.00	69.20 4.87 0.00	79.66 5.51 0.00	60.94 4.32 0.00	50.64 3.86 0.00	39.19 3.25 0.00	38.82 3.20 0.00	38.06 3.03 0.00
ASHOKAN____ 23654	35.41 1.53 0.00	37.20 1.60 0.00	37.80 1.66 0.00	37.63 1.71 0.00	42.37 1.95 0.00	52.52 2.58 0.00	57.24 3.14 0.00	62.14 3.56 0.00	48.21 2.73 0.00	47.16 2.28 0.00	47.09 1.88 0.00	44.72 1.80 0.00	53.32 2.35 0.00	57.22 2.32 0.00	62.19 2.32 0.00	55.23 2.69 0.00	60.26 3.04 0.00	67.72 3.38 0.00	78.11 3.96 0.00	59.62 3.00 0.00	49.35 2.56 0.00	37.85 1.91 0.00	37.39 1.77 0.00	36.66 1.64 0.00
ASTORIA_EAST_ENERGY_CC1 323581	35.52 1.65 0.01	37.23 1.63 0.00	37.65 1.52 0.01	37.38 1.47 0.01	42.61 2.18 0.00	53.05 3.11 0.00	58.05 3.94 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.05 0.00	47.04 4.12 0.00	55.31 4.35 0.00	59.20 4.30 0.00	64.30 4.43 0.00	56.48 3.93 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.59 5.44 0.00	60.84 4.22 0.00	50.34 3.55 0.00	39.00 3.06 0.00	38.56 2.95 0.00	37.70 2.67 0.00
ASTORIA_EAST_ENERGY_CC2 323582	35.52 1.64 0.01	37.22 1.62 0.00	37.64 1.51 0.01	37.37 1.46 0.01	42.59 2.17 0.00	53.03 3.09 0.00	58.03 3.92 0.00	63.20 4.62 0.00	49.54 4.07 0.00	48.74 3.87 0.00	49.23 4.02 0.00	47.03 4.10 0.00	55.30 4.33 0.00	59.16 4.26 0.00	64.28 4.42 0.00	56.46 3.91 0.00	61.55 4.33 0.00	69.03 4.70 0.00	79.55 5.40 0.00	60.80 4.18 0.00	50.32 3.54 0.00	38.98 3.04 0.00	38.55 2.93 0.00	37.68 2.66 0.00
ASTORIA_GT2_1 24094	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT2_2 24095	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT2_3 24096	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT2_4 24097	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT3_1 24098	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT3_2 24099	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT3_3 24100	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT3_4 24101	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT4_1 24102	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT4_2 24103	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT4_3 24104	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00



ASTORIA_GT4_4 24105	35.54 1.66 0.00	37.24 1.64 0.00	37.66 1.52 0.00	37.38 1.47 0.00	42.61 2.19 0.00	53.05 3.11 0.00	58.06 3.95 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.04 0.00	47.04 4.11 0.00	55.33 4.36 0.00	59.17 4.28 0.00	64.28 4.42 0.00	56.49 3.94 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.61 5.46 0.00	60.85 4.23 0.00	50.33 3.55 0.00	39.00 3.06 0.00	38.57 2.95 0.00	37.70 2.67 0.00
ASTORIA_GT_1 23523	35.59 1.71 0.00	37.30 1.70 0.00	37.72 1.59 0.00	37.44 1.53 0.00	42.67 2.25 0.00	53.13 3.20 0.00	58.16 4.05 0.00	63.34 4.76 0.00	49.66 4.19 0.00	48.87 4.00 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.44 4.47 0.00	59.30 4.41 0.00	64.41 4.55 0.00	56.60 4.05 0.00	61.71 4.49 0.00	69.21 4.87 0.00	79.76 5.61 0.00	60.96 4.34 0.00	50.43 3.64 0.00	39.07 3.13 0.00	38.64 3.02 0.00	37.76 2.73 0.00
ASTORIA_GT_10 24110	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.93 4.35 0.00	49.36 3.89 0.00	48.68 3.80 0.00	49.24 4.03 0.00	47.03 4.11 0.00	55.36 4.39 0.00	59.09 4.20 0.00	64.16 4.30 0.00	56.41 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.52 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
ASTORIA_GT_11 24225	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.93 4.35 0.00	49.36 3.89 0.00	48.68 3.80 0.00	49.24 4.03 0.00	47.03 4.11 0.00	55.36 4.39 0.00	59.09 4.20 0.00	64.16 4.30 0.00	56.41 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.52 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
ASTORIA_GT_12 24226	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.93 4.35 0.00	49.36 3.89 0.00	48.68 3.80 0.00	49.24 4.03 0.00	47.03 4.11 0.00	55.36 4.39 0.00	59.09 4.20 0.00	64.16 4.30 0.00	56.41 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.52 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
ASTORIA_GT_13 24227	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.93 4.35 0.00	49.36 3.89 0.00	48.68 3.80 0.00	49.24 4.03 0.00	47.03 4.11 0.00	55.36 4.39 0.00	59.09 4.20 0.00	64.16 4.30 0.00	56.41 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.52 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
ASTORIA_GT_5 24106	35.59 1.71 0.00	37.30 1.70 0.00	37.72 1.59 0.00	37.44 1.53 0.00	42.67 2.25 0.00	53.13 3.20 0.00	58.16 4.05 0.00	63.34 4.76 0.00	49.66 4.19 0.00	48.87 4.00 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.44 4.47 0.00	59.30 4.41 0.00	64.41 4.55 0.00	56.60 4.05 0.00	61.71 4.49 0.00	69.21 4.87 0.00	79.76 5.61 0.00	60.96 4.34 0.00	50.43 3.64 0.00	39.07 3.13 0.00	38.64 3.02 0.00	37.76 2.73 0.00
ASTORIA_GT_7 24107	35.59 1.71 0.00	37.30 1.70 0.00	37.72 1.59 0.00	37.44 1.53 0.00	42.67 2.25 0.00	53.13 3.20 0.00	58.16 4.05 0.00	63.34 4.76 0.00	49.66 4.19 0.00	48.87 4.00 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.44 4.47 0.00	59.30 4.41 0.00	64.41 4.55 0.00	56.60 4.05 0.00	61.71 4.49 0.00	69.21 4.87 0.00	79.76 5.61 0.00	60.96 4.34 0.00	50.43 3.64 0.00	39.07 3.13 0.00	38.64 3.02 0.00	37.76 2.73 0.00
ASTORIA_GT_8 24108	35.59 1.71 0.00	37.30 1.70 0.00	37.72 1.59 0.00	37.44 1.53 0.00	42.67 2.25 0.00	53.13 3.20 0.00	58.16 4.05 0.00	63.34 4.76 0.00	49.66 4.19 0.00	48.87 4.00 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.44 4.47 0.00	59.30 4.41 0.00	64.41 4.55 0.00	56.60 4.05 0.00	61.71 4.49 0.00	69.21 4.87 0.00	79.76 5.61 0.00	60.96 4.34 0.00	50.43 3.64 0.00	39.07 3.13 0.00	38.64 3.02 0.00	37.76 2.73 0.00
ASTORIA___2 24149	35.52 1.65 0.01	37.23 1.63 0.00	37.65 1.52 0.01	37.38 1.47 0.01	42.61 2.18 0.00	53.05 3.11 0.00	58.05 3.94 0.00	63.22 4.64 0.00	49.56 4.09 0.00	48.77 3.90 0.00	49.25 4.05 0.00	47.04 4.12 0.00	55.31 4.35 0.00	59.20 4.30 0.00	64.30 4.43 0.00	56.48 3.93 0.00	61.58 4.36 0.00	69.05 4.71 0.00	79.59 5.44 0.00	60.84 4.22 0.00	50.34 3.55 0.00	39.00 3.06 0.00	38.56 2.95 0.00	37.70 2.67 0.00
ASTORIA___3 23516	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.17 3.23 0.00	58.04 3.94 0.00	62.94 4.36 0.00	49.37 3.89 0.00	48.68 3.81 0.00	49.24 4.03 0.00	47.04 4.12 0.00	55.34 4.38 0.00	59.10 4.20 0.00	64.17 4.31 0.00	56.40 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.51 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
ASTORIA___4 23517	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.93 4.35 0.00	49.36 3.89 0.00	48.68 3.80 0.00	49.24 4.03 0.00	47.03 4.11 0.00	55.36 4.39 0.00	59.09 4.20 0.00	64.16 4.30 0.00	56.41 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.52 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
ASTORIA___5 23518	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.17 3.23 0.00	58.04 3.94 0.00	62.93 4.35 0.00	49.36 3.89 0.00	48.68 3.81 0.00	49.24 4.03 0.00	47.04 4.12 0.00	55.34 4.38 0.00	59.10 4.20 0.00	64.17 4.31 0.00	56.40 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.51 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
AST_ENERGY_2_CC3 323677	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.06 0.00	37.91 1.99 0.00	42.83 2.41 0.00	53.17 3.24 0.00	58.07 3.96 0.00	63.02 4.44 0.00	49.37 3.89 0.00	48.67 3.80 0.00	49.24 4.03 0.00	47.02 4.09 0.00	55.41 4.44 0.00	59.19 4.29 0.00	64.28 4.42 0.00	56.51 3.96 0.00	61.65 4.43 0.00	69.16 4.83 0.00	79.75 5.60 0.00	60.90 4.28 0.00	50.33 3.54 0.00	38.92 2.98 0.00	38.55 2.93 0.00	37.72 2.69 0.00
AST_ENERGY_2_CC4 323678	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.06 0.00	37.91 1.99 0.00	42.83 2.41 0.00	53.17 3.24 0.00	58.07 3.96 0.00	63.02 4.44 0.00	49.37 3.89 0.00	48.67 3.80 0.00	49.24 4.03 0.00	47.02 4.09 0.00	55.41 4.44 0.00	59.19 4.29 0.00	64.28 4.42 0.00	56.51 3.96 0.00	61.65 4.43 0.00	69.16 4.83 0.00	79.75 5.60 0.00	60.90 4.28 0.00	50.33 3.54 0.00	38.92 2.98 0.00	38.55 2.93 0.00	37.72 2.69 0.00



ATHENS_STG_1 23668	35.04 1.16 0.00	36.81 1.21 0.00	37.42 1.28 0.00	37.20 1.29 0.00	41.90 1.48 0.00	51.82 1.88 0.00	56.29 2.18 0.00	60.94 2.36 0.00	47.44 1.97 0.00	46.71 1.83 0.00	47.07 1.86 0.00	44.87 1.94 0.00	53.18 2.21 0.00	57.05 2.16 0.00	62.17 2.30 0.00	54.69 2.14 0.00	59.47 2.25 0.00	66.65 2.31 0.00	76.89 2.74 0.00	58.76 2.14 0.00	48.65 1.86 0.00	37.47 1.54 0.00	37.13 1.51 0.00	36.47 1.44 0.00
ATHENS_STG_2 23670	35.04 1.16 0.00	36.81 1.21 0.00	37.42 1.28 0.00	37.20 1.29 0.00	41.90 1.48 0.00	51.82 1.88 0.00	56.29 2.18 0.00	60.94 2.36 0.00	47.44 1.97 0.00	46.71 1.83 0.00	47.07 1.86 0.00	44.87 1.94 0.00	53.18 2.21 0.00	57.05 2.16 0.00	62.17 2.30 0.00	54.69 2.14 0.00	59.47 2.25 0.00	66.65 2.31 0.00	76.89 2.74 0.00	58.76 2.14 0.00	48.65 1.86 0.00	37.47 1.54 0.00	37.13 1.51 0.00	36.47 1.44 0.00
ATHENS_STG_3 23677	35.04 1.16 0.00	36.81 1.21 0.00	37.42 1.28 0.00	37.20 1.29 0.00	41.90 1.48 0.00	51.82 1.88 0.00	56.29 2.18 0.00	60.94 2.36 0.00	47.44 1.97 0.00	46.71 1.83 0.00	47.07 1.86 0.00	44.87 1.94 0.00	53.18 2.21 0.00	57.05 2.16 0.00	62.17 2.30 0.00	54.69 2.14 0.00	59.47 2.25 0.00	66.65 2.31 0.00	76.89 2.74 0.00	58.76 2.14 0.00	48.65 1.86 0.00	37.47 1.54 0.00	37.13 1.51 0.00	36.47 1.44 0.00
AUBURN___LFGE 323710	33.59 -0.29 0.00	35.20 -0.40 0.00	35.83 -0.30 0.00	35.58 -0.34 0.00	40.15 -0.27 0.00	49.45 -0.51 -0.02	53.69 -0.41 0.00	58.12 -0.46 0.00	44.86 -0.62 0.00	45.19 -0.70 -1.02	44.75 -0.79 -0.34	42.98 -0.64 -0.69	50.37 -0.60 0.00	56.45 -0.58 -2.13	65.57 -0.66 -6.36	55.01 -0.55 -3.01	59.92 -0.71 -3.40	63.79 -0.56 -0.01	73.63 -0.52 0.00	56.28 -0.34 0.00	48.37 -0.40 -1.99	36.04 -0.49 -0.59	35.16 -0.46 0.00	34.54 -0.48 0.00
BABYLON_RES_REC 323704	35.76 1.87 0.00	37.44 1.84 0.00	37.93 1.80 0.00	37.68 1.76 0.00	42.55 2.13 0.00	52.97 3.03 0.00	58.12 4.02 0.00	63.20 4.62 0.00	49.27 3.80 0.00	48.37 3.50 0.00	48.90 3.69 0.00	47.18 3.98 -0.27	54.94 4.03 0.06	58.81 3.91 0.00	63.95 4.09 0.00	58.88 3.69 -2.65	61.24 4.01 0.00	68.35 4.01 0.00	78.69 4.64 0.10	60.63 4.01 0.00	50.52 3.73 0.00	38.79 2.85 0.00	38.35 2.73 0.00	37.48 2.46 0.00
BALL_HILL_WT_PWR 323825	31.38 -2.51 0.00	33.11 -2.49 0.00	33.66 -2.47 0.00	33.11 -2.80 0.00	37.33 -3.09 0.00	43.87 -5.14 0.92	38.79 -5.99 9.33	52.61 -5.97 0.00	41.01 -4.46 0.00	38.34 -4.11 2.41	40.09 -4.31 0.80	36.37 -4.66 1.89	45.51 -5.46 0.00	43.91 -5.94 5.05	37.87 -6.79 15.20	38.74 -6.05 7.75	42.40 -6.15 8.67	57.81 -6.49 0.04	67.17 -6.97 0.00	51.34 -5.28 0.00	35.67 -5.23 5.89	30.13 -4.15 1.66	31.64 -3.98 0.00	31.16 -3.87 0.00
BARON_WINDS___WT_PWR 323822	31.49 -2.39 0.00	33.07 -2.53 0.00	33.57 -2.57 0.00	33.03 -2.89 0.00	37.54 -2.88 0.00	38.23 -4.35 7.36	-35.16 -4.67 84.60	8.10 -4.11 46.37	4.78 -3.90 36.80	8.02 -4.46 32.39	-8.77 -4.17 49.81	-10.67 -4.25 49.34	-17.51 -4.68 63.80	-10.76 -5.71 59.94	-11.60 -6.35 65.12	-11.87 -5.01 59.41	-8.98 -5.60 60.61	-8.85 -5.76 67.42	50.28 -5.62 18.25	6.49 -4.28 45.85	3.67 -4.30 38.82	29.45 -3.38 3.10	32.35 -3.27 0.00	31.87 -3.16 0.00
BARRETT_IC_1 23704	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_10 23701	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_11 23702	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_12 23703	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_2 23705	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_3 23706	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_4 23707	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_5 23708	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00



BARRETT_IC_6 23709	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_7 23710	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.13 0.00	52.79 2.85 0.00	57.62 3.52 0.00	62.57 3.99 0.00	48.85 3.38 0.00	48.07 3.20 0.00	48.84 3.63 0.00	47.02 3.85 -0.25	54.78 3.81 0.00	58.79 3.89 0.00	63.95 4.08 0.00	58.65 3.71 -2.40	61.16 3.93 0.00	68.55 4.22 0.00	79.03 4.88 0.00	60.32 3.70 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.52 0.00	37.37 2.34 0.00
BARRETT_IC_8 23711	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT_IC_9 23700	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT___1 23545	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BARRETT___2 23546	35.75 1.86 0.00	37.46 1.86 0.00	37.94 1.81 0.00	37.68 1.76 0.00	42.54 2.12 0.00	52.78 2.84 0.00	57.62 3.51 0.00	62.58 4.00 0.00	48.86 3.38 0.00	48.07 3.20 0.00	48.83 3.63 0.00	47.02 3.85 -0.25	54.77 3.80 0.00	58.80 3.90 0.00	63.95 4.09 0.00	58.65 3.70 -2.40	61.15 3.93 0.00	68.55 4.22 0.00	79.02 4.87 0.00	60.32 3.69 0.00	50.00 3.21 0.00	38.51 2.57 0.00	38.14 2.53 0.00	37.37 2.35 0.00
BATAVIA___115KV_TB1 55881	32.20 -1.68 0.00	34.04 -1.56 0.00	34.58 -1.55 0.00	34.19 -1.73 0.00	38.28 -2.14 0.00	45.29 -3.94 0.70	42.26 -4.72 7.13	53.75 -4.83 0.00	41.84 -3.64 0.00	40.09 -3.02 1.76	41.55 -3.08 0.58	38.37 -3.36 1.19	46.95 -4.02 0.00	46.98 -4.24 3.67	44.11 -4.73 11.02	42.78 -4.30 5.47	46.73 -4.38 6.11	59.91 -4.40 0.03	69.35 -4.80 0.00	53.08 -3.55 0.00	39.02 -3.58 4.19	31.71 -3.02 1.20	32.71 -2.91 0.00	32.12 -2.91 0.00
BAYONEEC___CTG1 323682	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG10 323750	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG2 323683	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG3 323684	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG4 323685	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG5 323686	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG6 323687	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG7 323688	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00



BAYONEEC___CTG8 323689	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BAYONEEC___CTG9 323749	35.95 2.07 0.00	37.68 2.08 0.00	38.17 2.04 0.00	37.89 1.97 0.00	42.81 2.39 0.00	53.16 3.22 0.00	58.04 3.94 0.00	62.97 4.40 0.00	49.35 3.88 0.00	48.64 3.77 0.00	49.22 4.01 0.00	46.99 4.07 0.00	55.39 4.42 0.00	59.15 4.26 0.00	64.24 4.38 0.00	56.47 3.92 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.71 5.56 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.91 2.97 0.00	38.54 2.93 0.00	37.71 2.68 0.00
BEACON___LESR 323632	35.21 1.33 0.00	36.94 1.33 0.00	37.50 1.37 0.00	37.34 1.42 0.00	42.02 1.59 0.00	52.15 2.21 0.00	56.61 2.51 0.00	60.99 2.41 0.00	47.41 1.93 0.00	46.60 1.73 0.00	46.78 1.57 0.00	44.49 1.57 0.00	53.15 2.19 0.00	56.97 2.07 0.00	62.20 2.33 0.00	54.86 2.31 0.00	59.70 2.48 0.00	66.89 2.55 0.00	77.20 3.05 0.00	58.96 2.33 0.00	48.75 1.96 0.00	37.49 1.55 0.00	37.17 1.55 0.00	36.58 1.55 0.00
BEAVER RIVER___HYD 24048	33.57 -0.32 0.00	35.15 -0.45 0.00	35.54 -0.59 0.00	35.48 -0.43 0.00	40.11 -0.32 0.00	49.34 -0.60 0.00	53.36 -0.75 0.00	57.52 -1.06 0.00	44.62 -0.85 0.00	44.45 -0.42 0.00	45.65 0.44 0.00	42.79 -0.13 0.00	50.80 -0.17 0.00	54.58 -0.31 0.00	59.38 -0.49 0.00	51.82 -0.73 0.00	56.74 -0.48 0.00	63.86 -0.48 0.00	73.48 -0.67 0.00	54.99 -0.77 0.85	46.10 -0.69 0.00	35.41 -0.53 0.00	35.03 -0.59 0.00	34.32 -0.70 0.00
BEEBEE_GT_13 23619	32.40 -1.48 0.00	34.15 -1.45 0.00	34.67 -1.47 0.00	34.33 -1.59 0.00	38.54 -1.89 0.00	46.81 -3.11 0.02	50.53 -3.58 0.00	54.87 -3.71 0.00	42.64 -2.83 0.00	41.17 -2.40 1.31	42.31 -2.46 0.43	39.45 -2.59 0.88	47.86 -3.11 0.00	48.88 -3.28 2.73	47.91 -3.78 8.17	45.32 -3.29 3.94	49.47 -3.35 4.40	60.83 -3.49 0.02	70.35 -3.80 0.00	53.80 -2.82 0.00	41.28 -2.75 2.76	32.83 -2.29 0.81	33.38 -2.24 0.00	32.80 -2.23 0.00
BENSHRST_27_KV_BENSHRST_1 355998	36.06 2.18 0.00	37.80 2.20 0.00	38.28 2.14 0.00	37.98 2.06 0.00	43.03 2.61 0.00	53.46 3.52 0.00	58.40 4.30 0.00	63.40 4.82 0.00	49.75 4.28 0.00	49.00 4.13 0.00	49.55 4.34 0.00	47.36 4.44 0.00	55.73 4.76 0.00	59.52 4.63 0.00	64.68 4.81 0.00	56.85 4.30 0.00	62.05 4.82 0.00	69.64 5.30 0.00	80.20 6.05 0.00	61.31 4.68 0.00	50.81 4.02 0.00	39.29 3.35 0.00	38.87 3.26 0.00	38.01 2.99 0.00
BETHLEHEM___GRP 23843	34.81 0.93 0.00	36.57 0.97 0.00	37.14 1.00 0.00	36.98 1.06 0.00	41.54 1.12 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.25 1.67 0.00	46.82 1.34 0.00	46.00 1.13 0.00	46.25 1.05 0.00	44.08 1.16 0.00	52.46 1.49 0.00	56.36 1.47 0.00	61.59 1.73 0.00	54.24 1.69 0.00	58.87 1.64 0.00	65.92 1.58 0.00	76.09 1.94 0.00	58.16 1.53 0.00	48.16 1.37 0.00	37.05 1.11 0.00	36.69 1.07 0.00	36.12 1.09 0.00
BETHLEHEM___GS1 323560	34.81 0.92 0.00	36.57 0.97 0.00	37.14 1.00 0.00	36.99 1.07 0.00	41.54 1.12 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.24 1.67 0.00	46.82 1.35 0.00	46.00 1.13 0.00	46.25 1.05 0.00	44.08 1.16 0.00	52.46 1.49 0.00	56.36 1.47 0.00	61.60 1.73 0.00	54.24 1.69 0.00	58.87 1.64 0.00	65.92 1.58 0.00	76.10 1.95 0.00	58.16 1.53 0.00	48.16 1.37 0.00	37.05 1.11 0.00	36.69 1.06 0.00	36.12 1.09 0.00
BETHLEHEM___GS2 323561	34.81 0.92 0.00	36.57 0.97 0.00	37.14 1.00 0.00	36.99 1.07 0.00	41.54 1.12 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.24 1.67 0.00	46.82 1.35 0.00	46.00 1.13 0.00	46.25 1.05 0.00	44.08 1.16 0.00	52.46 1.49 0.00	56.36 1.47 0.00	61.60 1.73 0.00	54.24 1.69 0.00	58.87 1.64 0.00	65.92 1.58 0.00	76.10 1.95 0.00	58.16 1.53 0.00	48.16 1.37 0.00	37.05 1.11 0.00	36.69 1.06 0.00	36.12 1.09 0.00
BETHLEHEM___GS3 323562	34.81 0.92 0.00	36.57 0.97 0.00	37.14 1.00 0.00	36.99 1.07 0.00	41.54 1.12 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.24 1.67 0.00	46.82 1.35 0.00	46.00 1.13 0.00	46.25 1.05 0.00	44.08 1.16 0.00	52.46 1.49 0.00	56.36 1.47 0.00	61.60 1.73 0.00	54.24 1.69 0.00	58.87 1.64 0.00	65.92 1.58 0.00	76.10 1.95 0.00	58.16 1.53 0.00	48.16 1.37 0.00	37.05 1.11 0.00	36.69 1.06 0.00	36.12 1.09 0.00
BETHLEHEM___STEEL 23779	31.46 -2.42 0.00	33.20 -2.41 0.00	33.74 -2.40 0.00	33.27 -2.65 0.00	37.31 -3.11 0.00	43.53 -5.27 1.14	36.21 -6.24 11.66	52.20 -6.38 0.00	40.70 -4.77 0.00	38.35 -4.20 2.33	40.13 -4.31 0.77	36.75 -4.60 1.58	45.49 -5.48 0.00	44.18 -5.85 4.87	38.58 -6.62 14.67	39.07 -5.99 7.49	42.69 -6.15 8.38	57.75 -6.56 0.04	67.03 -7.12 0.00	51.28 -5.34 0.00	35.84 -5.12 5.83	30.14 -4.14 1.67	31.65 -3.96 0.00	31.18 -3.84 0.00
BETHLHEM_115KV_TB1 79974	34.81 0.93 0.00	36.57 0.97 0.00	37.14 1.01 0.00	36.98 1.06 0.00	41.55 1.13 0.00	51.43 1.49 0.00	55.82 1.71 0.00	60.28 1.70 0.00	46.84 1.36 0.00	46.03 1.16 0.00	46.30 1.09 0.00	44.11 1.18 0.00	52.46 1.49 0.00	56.39 1.49 0.00	61.59 1.72 0.00	54.24 1.69 0.00	58.87 1.65 0.00	65.94 1.60 0.00	76.11 1.96 0.00	58.17 1.55 0.00	48.17 1.39 0.00	37.06 1.12 0.00	36.69 1.07 0.00	36.12 1.09 0.00
BETHPAGE_CC_5 323564	35.63 1.75 0.00	37.33 1.73 0.00	37.81 1.68 0.00	37.55 1.64 0.00	42.40 1.98 0.00	52.73 2.79 0.00	57.80 3.70 0.00	62.80 4.22 0.00	49.02 3.55 0.00	48.17 3.30 0.00	48.74 3.53 0.00	47.04 3.82 -0.29	55.00 4.07 0.03	59.16 4.27 0.00	64.39 4.53 0.00	59.45 4.09 -2.81	61.58 4.36 0.00	68.93 4.59 0.00	79.24 5.16 0.07	60.60 3.98 0.00	50.24 3.45 0.00	38.62 2.69 0.00	38.23 2.61 0.00	37.40 2.38 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	31.53 -2.35 0.00	33.27 -2.33 0.00	33.80 -2.34 0.00	33.33 -2.59 0.00	37.40 -3.02 0.00	43.73 -5.13 1.07	37.21 -6.04 10.86	52.42 -6.16 0.00	40.88 -4.60 0.00	38.45 -4.02 2.40	40.24 -4.17 0.80	36.82 -4.47 1.63	45.63 -5.34 0.00	44.18 -5.69 5.02	38.30 -6.44 15.13	38.94 -5.83 7.77	42.56 -5.97 8.69	57.94 -6.35 0.04	67.30 -6.85 0.00	51.46 -5.16 0.00	35.86 -4.99 5.94	30.19 -4.04 1.70	31.74 -3.88 0.00	31.27 -3.76 0.00
BINGHAMTON___COGEN 23790	33.77 -0.11 0.00	35.50 -0.10 0.00	36.09 -0.04 0.00	35.79 -0.12 0.00	40.45 0.03 0.00	50.00 -0.18 -0.24	56.60 -0.10 -2.58	58.50 -0.08 0.00	45.21 -0.27 0.00	43.88 -0.38 0.61	44.60 -0.40 0.20	42.10 -0.41 0.41	50.59 -0.37 0.00	53.11 -0.50 1.28	55.47 -0.61 3.78	50.50 -0.41 1.64	55.14 -0.33 1.76	63.96 -0.36 0.01	73.93 -0.22 0.00	56.47 -0.15 0.00	45.83 -0.24 0.71	35.60 -0.12 0.22	35.47 -0.15 0.00	34.83 -0.20 0.00



BIXINCNT_115KV_LOAD 355685	31.59 -2.29 0.00	33.22 -2.38 0.00	33.65 -2.48 0.00	33.12 -2.80 0.00	37.32 -3.10 0.00	44.17 -5.10 0.67	42.09 -5.50 6.51	53.07 -5.50 0.00	41.49 -3.99 0.00	38.61 -3.55 2.71	40.08 -4.23 0.90	36.58 -4.82 1.53	44.96 -6.00 0.00	42.67 -6.55 5.67	35.53 -7.13 17.20	37.21 -6.10 9.25	40.60 -6.28 10.34	57.89 -6.41 0.05	67.99 -6.16 0.00	51.21 -5.41 0.00	34.91 -5.46 6.41	29.31 -4.73 1.89	31.29 -4.32 0.00	31.00 -4.03 0.00
BLACK RIVER___HYD 24047	33.26 -0.62 0.00	34.81 -0.79 0.00	35.14 -0.99 0.00	35.07 -0.85 0.00	39.71 -0.72 0.00	48.86 -1.08 0.00	52.97 -1.14 0.00	57.07 -1.51 0.00	44.32 -1.15 0.00	44.02 -0.85 0.00	44.87 -0.33 0.00	42.09 -0.83 0.00	50.10 -0.87 0.00	54.33 -0.56 0.00	59.02 -0.84 0.00	51.63 -0.92 0.00	56.43 -0.80 0.00	63.65 -0.68 0.00	73.24 -0.91 0.00	55.10 -0.94 0.59	45.85 -0.94 0.00	35.19 -0.75 0.00	34.67 -0.95 0.00	33.96 -1.07 0.00
BLACKRVR_115KV_TB2 79977	33.27 -0.62 0.00	34.81 -0.79 0.00	35.14 -0.99 0.00	35.07 -0.85 0.00	39.71 -0.72 0.00	48.86 -1.08 0.00	52.97 -1.14 0.00	57.07 -1.51 0.00	44.32 -1.16 0.00	44.03 -0.85 0.00	44.87 -0.34 0.00	42.09 -0.83 0.00	50.10 -0.87 0.00	54.34 -0.56 0.00	59.02 -0.84 0.00	51.63 -0.92 0.00	56.43 -0.79 0.00	63.65 -0.68 0.00	73.24 -0.92 0.00	55.10 -0.93 0.59	45.85 -0.94 0.00	35.19 -0.75 0.00	34.67 -0.95 0.00	33.96 -1.07 0.00
BLDWN_LI_69_KV_BK4 356085	35.92 2.04 0.00	37.64 2.04 0.00	38.11 1.98 0.00	37.84 1.93 0.00	42.73 2.32 0.00	53.12 3.18 0.00	58.11 4.00 0.00	63.03 4.45 0.00	49.33 3.86 0.00	48.47 3.60 0.00	49.09 3.88 0.00	47.35 4.11 -0.32	55.17 4.20 0.00	59.29 4.39 0.00	64.55 4.68 0.00	59.91 4.24 -3.12	61.67 4.45 0.00	69.14 4.81 0.00	79.76 5.61 0.00	61.00 4.38 0.00	50.53 3.75 0.00	38.87 2.93 0.00	38.45 2.84 0.00	37.63 2.61 0.00
BLISS_WT_PWR 323608	31.48 -2.40 0.00	33.08 -2.53 0.00	33.50 -2.64 0.00	32.94 -2.98 0.00	37.11 -3.31 0.00	43.88 -5.39 0.67	41.90 -5.70 6.51	52.84 -5.75 0.00	41.35 -4.13 0.00	38.47 -3.69 2.71	39.80 -4.51 0.90	36.23 -5.16 1.53	44.46 -6.51 0.00	42.11 -7.11 5.67	34.94 -7.72 17.20	36.85 -6.46 9.25	40.12 -6.76 10.34	57.55 -6.74 0.05	67.75 -6.40 0.00	50.84 -5.78 0.00	34.49 -5.89 6.41	28.91 -5.13 1.89	30.95 -4.67 0.00	30.71 -4.32 0.00
BLUESTONE___WT_PWR 323821	33.78 -0.10 0.00	35.63 0.03 0.00	36.21 0.07 0.00	35.82 -0.10 0.00	40.11 -0.31 0.00	50.06 -0.15 -0.27	56.63 -0.08 -2.61	59.46 0.88 0.00	45.87 0.40 0.00	46.22 0.51 -0.84	45.76 0.27 -0.28	43.78 0.29 -0.57	51.45 0.48 0.00	57.00 0.35 -1.76	65.71 0.59 -5.26	55.07 -0.24 -2.75	60.73 -0.32 -3.83	62.92 -1.44 -0.02	72.78 -1.37 0.00	55.29 -1.34 0.00	48.44 -0.83 -2.49	36.21 -0.45 -0.72	34.62 -1.00 0.00	34.09 -0.94 0.00
BLUE_CIRC_CHEM_DRP 24182	34.93 1.05 0.00	36.73 1.13 0.00	37.35 1.21 0.00	37.17 1.25 0.00	41.78 1.36 0.00	51.65 1.71 0.00	56.04 1.94 0.00	60.50 1.92 0.00	46.93 1.45 0.00	46.11 1.24 0.00	46.34 1.13 0.00	44.11 1.19 0.00	52.54 1.57 0.00	56.42 1.52 0.00	61.72 1.85 0.00	54.39 1.84 0.00	59.06 1.84 0.00	66.15 1.82 0.00	76.34 2.19 0.00	58.34 1.72 0.00	48.31 1.53 0.00	37.15 1.21 0.00	36.80 1.18 0.00	36.23 1.20 0.00
BOC_GAS_DRP 24189	34.74 0.86 0.00	36.51 0.91 0.00	37.10 0.97 0.00	36.91 1.00 0.00	41.51 1.09 0.00	51.33 1.40 0.00	55.70 1.60 0.00	60.19 1.61 0.00	46.80 1.33 0.00	46.05 1.18 0.00	46.35 1.14 0.00	44.14 1.22 0.00	52.45 1.48 0.00	56.34 1.44 0.00	61.48 1.62 0.00	54.10 1.55 0.00	58.77 1.55 0.00	65.83 1.49 0.00	75.98 1.83 0.00	58.07 1.45 0.00	48.09 1.30 0.00	37.00 1.06 0.00	36.66 1.04 0.00	36.06 1.04 0.00
BOONVILLE_115KV_TB1 79983	34.14 0.25 0.00	35.85 0.25 0.00	36.33 0.20 0.00	36.18 0.27 0.00	40.84 0.42 0.00	50.38 0.44 0.00	54.68 0.57 0.00	59.06 0.48 0.00	45.65 0.17 0.00	45.17 0.30 0.00	45.83 0.62 0.00	43.36 0.44 0.00	51.42 0.45 0.00	55.48 0.58 0.00	60.50 0.63 0.00	53.06 0.51 0.00	57.95 0.73 0.00	65.09 0.75 0.00	75.01 0.86 0.00	56.78 0.49 0.33	47.14 0.35 0.00	36.18 0.24 0.00	35.80 0.19 0.00	35.10 0.08 0.00
BORALEX_4TH_BRANCH 23824	35.51 1.63 0.00	37.30 1.70 0.00	37.77 1.63 0.00	37.71 1.80 0.00	42.28 1.86 0.00	52.44 2.50 0.00	56.91 2.80 0.00	61.08 2.50 0.00	47.39 1.91 0.00	46.34 1.47 0.00	46.41 1.20 0.00	44.24 1.31 0.00	52.88 1.91 0.00	57.03 2.13 0.00	62.49 2.62 0.00	55.02 2.47 0.00	59.39 2.17 0.00	66.32 1.98 0.00	76.77 2.62 0.00	58.75 2.13 0.00	48.76 1.97 0.00	37.34 1.40 0.00	37.04 1.42 0.00	36.74 1.71 0.00
BOWLINE___1 23526	35.67 1.79 0.00	37.41 1.81 0.00	37.94 1.81 0.00	37.66 1.75 0.00	42.53 2.11 0.00	52.75 2.81 0.00	57.55 3.45 0.00	62.51 3.93 0.00	48.77 3.30 0.00	48.04 3.17 0.00	48.58 3.38 0.00	46.36 3.44 0.00	54.77 3.80 0.00	58.62 3.72 0.00	63.69 3.83 0.00	56.00 3.45 0.00	61.03 3.81 0.00	68.55 4.21 0.00	79.03 4.88 0.00	60.32 3.70 0.00	49.83 3.04 0.00	38.49 2.56 0.00	38.15 2.53 0.00	37.34 2.31 0.00
BOWLINE___2 23595	35.67 1.79 0.00	37.41 1.81 0.00	37.93 1.79 0.00	37.65 1.74 0.00	42.52 2.10 0.00	52.75 2.81 0.00	57.53 3.43 0.00	62.48 3.91 0.00	48.76 3.29 0.00	48.02 3.15 0.00	48.56 3.36 0.00	46.35 3.42 0.00	54.73 3.77 0.00	58.60 3.71 0.00	63.66 3.80 0.00	55.99 3.44 0.00	61.01 3.79 0.00	68.51 4.17 0.00	78.98 4.83 0.00	60.30 3.67 0.00	49.81 3.03 0.00	38.47 2.54 0.00	38.14 2.52 0.00	37.33 2.31 0.00
BRADY___115KV_TB2 356060	34.87 0.98 0.00	36.58 0.98 0.00	37.01 0.88 0.00	36.77 0.85 0.00	41.43 1.01 0.00	51.42 1.48 0.00	55.47 1.36 0.00	60.14 1.56 0.00	46.71 1.24 0.00	46.36 1.48 0.00	47.19 1.98 0.00	44.22 1.30 0.00	52.75 1.78 0.00	56.40 1.50 0.00	61.90 2.04 0.00	53.98 1.43 0.00	58.97 1.75 0.00	66.68 2.34 0.00	76.47 2.32 0.00	57.26 1.66 1.02	48.15 1.37 0.00	36.90 0.96 0.00	36.59 0.97 0.00	36.02 1.00 0.00
BRANSCOMB___SOLAR 323811	35.43 1.55 0.00	37.20 1.60 0.00	37.70 1.56 0.00	37.62 1.70 0.00	42.27 1.85 0.00	52.45 2.51 0.00	56.94 2.83 0.00	61.20 2.62 0.00	47.14 1.67 0.00	46.06 1.19 0.00	46.30 1.09 0.00	44.14 1.22 0.00	52.88 1.91 0.00	56.71 1.82 0.00	62.36 2.50 0.00	55.06 2.51 0.00	59.81 2.59 0.00	67.09 2.75 0.00	77.50 3.35 0.00	59.25 2.63 0.00	49.00 2.21 0.00	37.55 1.61 0.00	37.19 1.57 0.00	36.72 1.69 0.00
BRDGHMPT_69_KV_BK1 55812	35.48 2.03 0.44	35.57 2.00 2.04	35.57 1.95 2.51	35.59 1.92 2.24	39.62 2.31 3.12	53.24 3.37 0.07	58.62 4.51 0.00	63.61 5.04 0.01	47.79 3.97 1.65	44.12 3.35 4.10	34.99 3.54 13.76	42.99 3.89 3.83	50.24 3.99 4.72	59.51 4.61 0.00	64.83 4.97 -2.33	59.43 4.54 2.25	59.73 4.76 2.25	61.80 4.34 6.87	74.43 5.21 4.94	60.95 4.33 0.00	50.61 3.82 0.00	38.37 2.43 0.00	37.55 1.93 0.00	36.31 1.49 0.20



BRENTWOD_69_KV_W. BRTWOOD 56703	35.86 1.98 0.00	37.51 1.92 0.00	37.98 1.85 0.00	37.72 1.81 0.00	42.65 2.23 0.00	53.17 3.23 0.00	58.46 4.36 0.00	63.59 5.01 0.00	49.50 4.03 0.00	48.54 3.67 0.00	48.95 3.75 0.00	47.28 4.10 -0.25	54.99 4.15 0.13	59.31 4.41 0.00	64.66 4.80 0.00	59.36 4.41 -2.41	62.13 4.91 0.00	69.52 5.18 0.00	79.88 6.01 0.28	61.20 4.58 0.00	50.80 4.01 0.00	38.94 3.00 0.00	38.50 2.88 0.00	37.62 2.59 0.00
BRISTLHL_115KV_TB1 79998	32.84 -1.04 0.00	34.53 -1.07 0.00	35.08 -1.06 0.00	34.85 -1.07 0.00	39.24 -1.19 0.00	48.31 -1.63 0.00	52.47 -1.64 0.00	56.82 -1.76 0.00	44.05 -1.43 0.00	43.44 -1.43 0.00	43.86 -1.35 0.00	41.60 -1.33 0.00	49.42 -1.54 0.00	53.29 -1.61 0.00	57.94 -1.92 0.00	50.98 -1.57 0.00	55.56 -1.65 0.00	62.42 -1.92 0.00	72.06 -2.10 0.00	55.03 -1.60 0.00	45.35 -1.44 0.00	34.86 -1.08 0.00	34.49 -1.13 0.00	33.88 -1.15 0.00
BROOKHAVEN___DRP 24191	34.92 1.45 0.42	35.04 1.39 1.96	35.05 1.32 2.41	35.04 1.28 2.15	39.03 1.60 2.99	52.29 2.42 0.07	57.58 3.48 0.00	62.56 3.99 0.01	47.13 3.24 1.58	43.78 2.84 3.93	34.97 2.97 13.21	42.54 3.28 3.66	49.50 3.12 4.58	58.36 3.46 0.00	63.59 3.73 0.00	58.34 3.46 -2.33	58.83 3.77 2.16	61.54 3.80 6.60	73.82 4.41 4.74	60.02 3.40 0.00	50.00 3.21 0.00	38.29 2.36 0.00	37.83 2.21 0.00	36.75 1.91 0.19
BROOKLYN_NAVY_YARD 23515	35.85 1.97 0.00	37.58 1.98 0.00	38.06 1.92 0.00	37.78 1.86 0.00	42.70 2.28 0.00	53.02 3.08 0.00	57.94 3.83 0.00	62.93 4.35 0.00	49.31 3.84 0.00	48.61 3.74 0.00	49.20 4.00 0.00	46.99 4.06 0.00	55.39 4.42 0.00	59.14 4.24 0.00	64.20 4.34 0.00	56.41 3.86 0.00	61.56 4.34 0.00	69.08 4.75 0.00	79.64 5.49 0.00	60.81 4.19 0.00	50.24 3.46 0.00	38.88 2.94 0.00	38.52 2.90 0.00	37.66 2.63 0.00
BROOKLYN___ARMY_DRP 323595	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
BROOME_2_LFGE 323671	33.77 -0.11 0.00	35.50 -0.10 0.00	36.09 -0.04 0.00	35.79 -0.12 0.00	40.45 0.02 0.00	50.00 -0.18 -0.24	56.59 -0.10 -2.58	58.50 -0.08 0.00	45.21 -0.27 0.00	43.88 -0.38 0.61	44.60 -0.41 0.20	42.08 -0.43 0.41	50.59 -0.38 0.00	53.09 -0.52 1.28	55.43 -0.66 3.78	50.48 -0.43 1.64	55.11 -0.35 1.76	63.96 -0.37 0.01	73.93 -0.22 0.00	56.47 -0.15 0.00	45.83 -0.25 0.71	35.60 -0.12 0.22	35.47 -0.14 0.00	34.83 -0.20 0.00
BROOME___LFGE 323600	33.77 -0.11 0.00	35.50 -0.10 0.00	36.09 -0.04 0.00	35.79 -0.12 0.00	40.45 0.02 0.00	50.00 -0.18 -0.24	56.59 -0.10 -2.58	58.50 -0.08 0.00	45.21 -0.27 0.00	43.88 -0.38 0.61	44.60 -0.41 0.20	42.08 -0.43 0.41	50.59 -0.38 0.00	53.09 -0.52 1.28	55.43 -0.66 3.78	50.48 -0.43 1.64	55.11 -0.35 1.76	63.96 -0.37 0.01	73.93 -0.22 0.00	56.47 -0.15 0.00	45.83 -0.25 0.71	35.60 -0.12 0.22	35.47 -0.14 0.00	34.83 -0.20 0.00
BROWNFLS_115KV_TB_3_5 80003	33.99 0.11 0.00	35.62 0.02 0.00	36.01 -0.12 0.00	35.88 -0.04 0.00	40.49 0.07 0.00	49.90 -0.04 0.00	53.82 -0.29 0.00	58.18 -0.40 0.00	45.17 -0.31 0.00	45.10 0.23 0.00	46.91 1.70 0.00	43.86 0.94 0.00	51.98 1.01 0.00	55.10 0.20 0.00	60.10 0.24 0.00	52.41 -0.14 0.00	57.31 0.09 0.00	64.57 0.23 0.00	74.15 0.00 0.00	54.90 -0.19 1.54	46.61 -0.18 0.00	35.83 -0.11 0.00	35.54 -0.08 0.00	34.90 -0.13 0.00
BROWNSV1_27_KV_LOAD 356125	36.22 2.34 0.00	37.96 2.36 0.00	38.45 2.32 0.00	38.15 2.24 0.00	43.12 2.70 0.00	53.56 3.62 0.00	58.50 4.40 0.00	63.53 4.96 0.00	49.76 4.29 0.00	49.07 4.20 0.00	49.64 4.43 0.00	47.39 4.47 0.00	55.87 4.90 0.00	59.67 4.77 0.00	64.81 4.95 0.00	56.97 4.42 0.00	62.18 4.96 0.00	69.80 5.47 0.00	80.47 6.32 0.00	61.45 4.82 0.00	50.77 3.99 0.00	39.25 3.31 0.00	38.86 3.24 0.00	38.00 2.97 0.00
BURROWS___LYONSDAL 23803	33.94 0.06 0.00	35.61 0.01 0.00	36.06 -0.08 0.00	35.96 0.04 0.00	40.59 0.17 0.00	50.04 0.10 0.00	54.24 0.14 0.00	58.54 -0.04 0.00	45.29 -0.18 0.00	44.91 0.04 0.00	45.68 0.47 0.00	43.11 0.19 0.00	51.13 0.16 0.00	55.13 0.23 0.00	60.07 0.21 0.00	52.63 0.08 0.00	57.54 0.32 0.00	64.62 0.28 0.00	74.46 0.31 0.00	56.21 0.02 0.43	46.77 -0.01 0.00	35.89 -0.05 0.00	35.52 -0.10 0.00	34.82 -0.20 0.00
CAITHNESS_CC_1 323624	34.94 1.48 0.42	35.07 1.43 1.96	35.08 1.36 2.41	35.08 1.32 2.15	39.06 1.63 2.99	52.33 2.46 0.07	57.60 3.50 0.00	62.58 4.00 0.01	47.16 3.27 1.58	43.81 2.87 3.93	35.01 3.01 13.21	42.58 3.32 3.66	49.52 3.14 4.58	58.39 3.49 0.00	63.61 3.75 0.00	58.35 3.47 -2.33	58.83 3.77 2.16	61.57 3.83 6.60	73.85 4.44 4.74	60.01 3.39 0.00	49.99 3.20 0.00	38.31 2.37 0.00	37.86 2.24 0.00	36.79 1.96 0.19
CALPINE BETH_PAGE_GT4 24209	35.66 1.78 0.00	37.36 1.77 0.00	37.85 1.71 0.00	37.58 1.67 0.00	42.44 2.02 0.00	52.77 2.84 0.00	57.82 3.72 0.00	62.81 4.23 0.00	49.04 3.57 0.00	48.20 3.33 0.00	48.78 3.57 0.00	47.08 3.85 -0.31	54.97 4.00 0.00	59.07 4.17 0.00	64.30 4.44 0.00	59.57 4.04 -2.98	61.56 4.33 0.00	68.92 4.59 0.00	79.32 5.21 0.04	60.67 4.04 0.00	50.26 3.48 0.00	38.64 2.71 0.00	38.24 2.62 0.00	37.40 2.38 0.00
CALPINE_BETH_PAGE_GT_4 323586	35.66 1.78 0.00	37.36 1.76 0.00	37.85 1.72 0.00	37.58 1.67 0.00	42.44 2.02 0.00	52.77 2.83 0.00	57.83 3.72 0.00	62.81 4.23 0.00	49.05 3.57 0.00	48.20 3.33 0.00	48.79 3.58 0.00	47.08 3.85 -0.31	54.95 3.99 0.00	59.07 4.17 0.00	64.31 4.45 0.00	59.57 4.04 -2.98	61.54 4.32 0.00	68.92 4.58 0.00	79.32 5.21 0.04	60.66 4.04 0.00	50.27 3.48 0.00	38.64 2.71 0.00	38.24 2.62 0.00	37.40 2.38 0.00
CALPINE_BP_GT1 23823	35.66 1.78 0.00	37.36 1.76 0.00	37.85 1.72 0.00	37.58 1.67 0.00	42.44 2.02 0.00	52.77 2.83 0.00	57.83 3.72 0.00	62.81 4.23 0.00	49.05 3.57 0.00	48.20 3.33 0.00	48.79 3.58 0.00	47.08 3.85 -0.31	54.95 3.99 0.00	59.07 4.17 0.00	64.31 4.45 0.00	59.57 4.04 -2.98	61.54 4.32 0.00	68.92 4.58 0.00	79.32 5.21 0.04	60.66 4.04 0.00	50.27 3.48 0.00	38.64 2.71 0.00	38.24 2.62 0.00	37.40 2.38 0.00
CALSPAN___DRP 24200	31.46 -2.42 0.00	33.20 -2.41 0.00	33.74 -2.40 0.00	33.27 -2.65 0.00	37.31 -3.11 0.00	43.53 -5.27 1.14	36.21 -6.24 11.66	52.20 -6.38 0.00	40.70 -4.77 0.00	38.35 -4.20 2.33	40.13 -4.31 0.77	36.75 -4.60 1.58	45.49 -5.48 0.00	44.18 -5.85 4.87	38.58 -6.62 14.67	39.07 -5.99 7.49	42.69 -6.15 8.38	57.75 -6.56 0.04	67.03 -7.12 0.00	51.28 -5.34 0.00	35.84 -5.12 5.83	30.14 -4.14 1.67	31.65 -3.96 0.00	31.18 -3.84 0.00



CALVERTON___SOLAR 323806	34.95 1.46 0.39	35.18 1.40 1.82	35.23 1.33 2.24	35.22 1.30 2.00	39.25 1.61 2.78	52.33 2.45 0.07	57.63 3.52 0.00	62.61 4.03 0.01	47.28 3.28 1.47	44.06 2.84 3.66	35.92 2.98 12.27	42.84 3.30 3.38	49.75 3.12 4.34	58.41 3.51 0.00	63.66 3.80 0.00	58.40 3.52 -2.33	59.03 3.81 2.01	62.03 3.82 6.13	74.17 4.43 4.42	60.07 3.45 0.00	50.04 3.25 0.00	38.30 2.36 0.00	37.80 2.18 0.00	36.72 1.87 0.18
CANDIGU_WT_PWR 323617	31.49 -2.39 0.00	33.07 -2.53 0.00	33.57 -2.57 0.00	33.03 -2.89 0.00	37.54 -2.88 0.00	38.23 -4.35 7.36	-35.16 -4.67 84.60	8.10 -4.11 46.37	4.78 -3.90 36.80	8.02 -4.46 32.39	-8.77 -4.17 49.81	-10.67 -4.25 49.34	-17.51 -4.68 63.80	-10.76 -5.71 59.94	-11.60 -6.35 65.12	-11.87 -5.01 59.41	-8.98 -5.60 60.61	-8.85 -5.76 67.42	50.28 -5.62 18.25	6.49 -4.28 45.85	3.67 -4.30 38.82	29.45 -3.38 3.10	32.35 -3.27 0.00	31.87 -3.16 0.00
CARR STREET_E_SYR 24060	33.11 -0.77 0.00	34.82 -0.78 0.00	35.37 -0.77 0.00	35.13 -0.79 0.00	39.56 -0.86 0.00	48.77 -1.17 0.00	52.91 -1.19 0.00	57.31 -1.27 0.00	44.37 -1.11 0.00	43.79 -1.08 0.00	44.15 -1.05 0.00	41.90 -1.02 0.00	49.81 -1.15 0.00	53.67 -1.23 0.00	58.38 -1.49 0.00	51.28 -1.27 0.00	55.86 -1.36 0.00	62.82 -1.52 0.00	72.43 -1.72 0.00	55.33 -1.30 0.00	45.65 -1.13 0.00	35.13 -0.80 0.00	34.78 -0.84 0.00	34.15 -0.87 0.00
CARTHAGE___PAPER 23857	33.69 -0.19 0.00	35.27 -0.33 0.00	35.63 -0.50 0.00	35.55 -0.36 0.00	40.23 -0.19 0.00	49.54 -0.40 0.00	53.62 -0.49 0.00	57.79 -0.78 0.00	44.82 -0.65 0.00	44.62 -0.26 0.00	45.65 0.44 0.00	42.77 -0.15 0.00	50.82 -0.15 0.00	54.87 -0.03 0.00	59.60 -0.27 0.00	52.04 -0.51 0.00	56.97 -0.25 0.00	64.24 -0.09 0.00	73.90 -0.25 0.00	55.49 -0.44 0.69	46.36 -0.43 0.00	35.59 -0.35 0.00	35.14 -0.48 0.00	34.43 -0.60 0.00
CASSADAGA_WT_PWR 323784	31.02 -2.87 0.00	32.76 -2.84 0.00	33.33 -2.80 0.00	32.55 -3.37 0.00	36.87 -3.55 0.00	43.70 -5.58 0.66	41.24 -6.39 6.48	52.91 -5.67 0.00	41.54 -3.93 0.00	38.23 -4.02 2.62	39.69 -4.65 0.87	33.21 -5.02 4.70	45.07 -5.89 0.00	43.08 -6.34 5.48	36.00 -7.24 16.62	37.20 -6.41 8.94	41.03 -6.18 10.00	57.85 -6.44 0.04	67.41 -6.74 0.00	51.36 -5.26 0.00	33.48 -5.75 7.55	29.44 -4.66 1.84	31.07 -4.55 0.00	30.55 -4.47 0.00
CE_DUNWOOD___DRP 24194	35.78 1.90 0.00	37.52 1.92 0.00	38.03 1.89 0.00	37.76 1.84 0.00	42.62 2.20 0.00	52.90 2.96 0.00	57.72 3.61 0.00	62.67 4.10 0.00	48.97 3.49 0.00	48.25 3.38 0.00	48.78 3.57 0.00	46.57 3.65 0.00	54.97 4.00 0.00	58.80 3.91 0.00	63.89 4.02 0.00	56.18 3.64 0.00	61.24 4.02 0.00	68.74 4.41 0.00	79.26 5.11 0.00	60.52 3.89 0.00	50.00 3.22 0.00	38.64 2.70 0.00	38.27 2.65 0.00	37.45 2.42 0.00
CE_MILLWOOD___DRP 24193	35.73 1.85 0.00	37.48 1.88 0.00	37.99 1.86 0.00	37.72 1.81 0.00	42.58 2.16 0.00	52.84 2.90 0.00	57.64 3.54 0.00	62.58 4.00 0.00	48.89 3.41 0.00	48.16 3.29 0.00	48.69 3.48 0.00	46.48 3.56 0.00	54.88 3.91 0.00	58.71 3.81 0.00	63.79 3.93 0.00	56.11 3.56 0.00	61.15 3.93 0.00	68.64 4.30 0.00	79.14 4.99 0.00	60.42 3.80 0.00	49.94 3.15 0.00	38.57 2.63 0.00	38.22 2.60 0.00	37.40 2.37 0.00
CE_NYC2_DRP 24202	35.86 1.98 0.00	37.59 1.99 0.00	38.06 1.93 0.00	37.78 1.87 0.00	42.81 2.39 0.00	53.20 3.26 0.00	58.05 3.95 0.00	62.95 4.37 0.00	49.38 3.90 0.00	48.70 3.82 0.00	49.25 4.04 0.00	47.05 4.12 0.00	55.38 4.41 0.00	59.12 4.22 0.00	64.19 4.32 0.00	56.45 3.90 0.00	61.57 4.35 0.00	69.04 4.70 0.00	79.55 5.40 0.00	60.79 4.17 0.00	50.32 3.54 0.00	38.97 3.03 0.00	38.58 2.96 0.00	37.75 2.72 0.00
CE_NYC_DRP 24195	35.99 2.10 0.00	37.72 2.12 0.00	38.21 2.07 0.00	37.93 2.02 0.00	42.87 2.44 0.00	53.23 3.29 0.00	58.13 4.02 0.00	63.10 4.51 0.00	49.43 3.96 0.00	48.74 3.87 0.00	49.31 4.10 0.00	47.08 4.16 0.00	55.51 4.54 0.00	59.28 4.38 0.00	64.37 4.51 0.00	56.60 4.05 0.00	61.75 4.53 0.00	69.29 4.95 0.00	79.88 5.73 0.00	60.98 4.36 0.00	50.38 3.60 0.00	38.97 3.03 0.00	38.59 2.97 0.00	37.75 2.72 0.00
CHAFFEE___LFGE 323603	31.58 -2.30 0.00	33.33 -2.27 0.00	33.85 -2.28 0.00	33.40 -2.52 0.00	37.49 -2.93 0.00	44.04 -5.00 0.90	39.21 -5.84 9.05	52.59 -5.99 0.00	41.03 -4.44 0.00	38.46 -3.90 2.52	40.36 -4.01 0.84	37.07 -4.28 1.57	45.88 -5.08 0.00	44.17 -5.46 5.27	37.71 -6.22 15.93	38.49 -5.68 8.38	42.02 -5.83 9.37	58.18 -6.11 0.04	67.49 -6.66 0.00	51.66 -4.96 0.00	35.80 -4.85 6.13	30.27 -3.89 1.78	31.87 -3.75 0.00	31.37 -3.66 0.00
CHATEAUG_35_KV_LOAD 355732	33.99 0.11 0.00	35.66 0.06 0.00	35.87 -0.27 0.00	35.57 -0.35 0.00	40.06 -0.36 0.00	49.74 -0.20 0.00	53.44 -0.67 0.00	57.91 -0.67 0.00	44.93 -0.55 0.00	44.66 -0.21 0.00	45.40 0.19 0.00	42.80 -0.13 0.00	50.63 -0.33 0.00	54.99 0.09 0.00	59.82 -0.04 0.00	52.10 -0.45 0.00	56.39 -0.83 0.00	64.11 -0.23 0.00	73.09 -1.06 0.00	42.81 -1.05 12.76	45.86 -0.92 0.00	35.15 -0.79 0.00	34.89 -0.73 0.00	34.39 -0.64 0.00
CHATEAUG_WT_PWR 323614	33.95 0.07 0.00	35.63 0.03 0.00	35.87 -0.27 0.00	35.57 -0.35 0.00	40.06 -0.37 0.00	49.69 -0.25 0.00	53.36 -0.75 0.00	57.80 -0.78 0.00	44.92 -0.56 0.00	44.64 -0.24 0.00	45.26 0.05 0.00	42.70 -0.22 0.00	50.60 -0.37 0.00	54.86 -0.04 0.00	59.72 -0.15 0.00	51.97 -0.58 0.00	56.30 -0.92 0.00	63.82 -0.51 0.00	72.91 -1.24 0.00	41.52 -1.22 13.88	45.75 -1.04 0.00	35.09 -0.85 0.00	34.85 -0.77 0.00	34.35 -0.67 0.00
CHAT_HIGH_FALL_HYD 323578	33.99 0.11 0.00	35.66 0.06 0.00	35.87 -0.27 0.00	35.57 -0.35 0.00	40.06 -0.36 0.00	49.74 -0.20 0.00	53.44 -0.67 0.00	57.91 -0.67 0.00	44.93 -0.55 0.00	44.66 -0.21 0.00	45.40 0.19 0.00	42.80 -0.13 0.00	50.63 -0.33 0.00	54.99 0.09 0.00	59.82 -0.04 0.00	52.10 -0.45 0.00	56.39 -0.83 0.00	64.11 -0.23 0.00	73.09 -1.06 0.00	42.81 -1.05 12.76	45.86 -0.92 0.00	35.15 -0.79 0.00	34.89 -0.73 0.00	34.39 -0.64 0.00
CHAUTAUQUA___LFGE 323629	31.34 -2.54 0.00	33.08 -2.52 0.00	33.65 -2.49 0.00	33.02 -2.90 0.00	37.36 -3.06 0.00	44.01 -5.08 0.84	39.81 -5.87 8.43	53.01 -5.57 0.00	41.37 -4.11 0.00	38.42 -3.94 2.51	40.18 -4.20 0.83	35.85 -4.59 2.49	45.64 -5.33 0.00	43.83 -5.82 5.24	37.33 -6.71 15.83	38.31 -6.00 8.25	42.00 -5.99 9.22	58.04 -6.25 0.04	67.55 -6.60 0.00	51.57 -5.05 0.00	35.19 -5.23 6.36	30.07 -4.12 1.74	31.65 -3.98 0.00	31.15 -3.88 0.00
CHERRYST_13_KV_LD 356241	36.07 2.19 0.00	37.81 2.21 0.00	38.31 2.17 0.00	38.02 2.10 0.00	42.96 2.54 0.00	53.35 3.41 0.00	58.28 4.17 0.00	63.27 4.69 0.00	49.57 4.10 0.00	48.89 4.02 0.00	49.46 4.25 0.00	47.23 4.31 0.00	55.67 4.70 0.00	59.45 4.55 0.00	64.57 4.71 0.00	56.76 4.21 0.00	61.94 4.72 0.00	69.49 5.15 0.00	80.09 5.94 0.00	61.14 4.52 0.00	50.51 3.73 0.00	39.06 3.12 0.00	38.69 3.07 0.00	37.83 2.80 0.00



CHESTROR_138KV_BK263 355645	35.59 1.71 0.00	37.34 1.74 0.00	37.88 1.75 0.00	37.61 1.70 0.00	42.46 2.04 0.00	52.65 2.71 0.00	57.39 3.28 0.00	62.30 3.72 0.00	48.57 3.10 0.00	47.82 2.95 0.00	48.29 3.08 0.00	46.08 3.16 0.00	54.50 3.54 0.00	58.36 3.47 0.00	63.37 3.51 0.00	55.79 3.25 0.00	60.82 3.60 0.00	68.31 3.97 0.00	78.75 4.60 0.00	60.12 3.50 0.00	49.67 2.89 0.00	38.35 2.41 0.00	38.01 2.39 0.00	37.21 2.19 0.00
CH_MIDHUDSON___DRP 24192	35.71 1.83 0.00	37.47 1.87 0.00	38.00 1.87 0.00	37.76 1.84 0.00	42.60 2.17 0.00	52.82 2.89 0.00	57.58 3.47 0.00	62.46 3.88 0.00	48.72 3.24 0.00	47.97 3.10 0.00	48.43 3.23 0.00	46.21 3.28 0.00	54.66 3.69 0.00	58.50 3.60 0.00	63.64 3.78 0.00	56.00 3.45 0.00	61.02 3.80 0.00	68.49 4.16 0.00	79.00 4.85 0.00	60.31 3.69 0.00	49.85 3.06 0.00	38.47 2.53 0.00	38.10 2.49 0.00	37.31 2.29 0.00
CH_MISC_IPPS 23765	35.90 2.02 0.00	37.67 2.07 0.00	38.21 2.08 0.00	37.95 2.03 0.00	42.83 2.41 0.00	53.13 3.19 0.00	57.94 3.84 0.00	62.91 4.33 0.00	49.06 3.59 0.00	48.28 3.40 0.00	48.76 3.55 0.00	46.51 3.59 0.00	55.03 4.06 0.00	58.91 4.01 0.00	64.00 4.14 0.00	56.35 3.80 0.00	61.42 4.21 0.00	68.98 4.64 0.00	79.55 5.40 0.00	60.73 4.11 0.00	50.17 3.39 0.00	38.72 2.78 0.00	38.34 2.73 0.00	37.53 2.50 0.00
CH_RES_BVR_FALLS 23983	33.37 -0.51 0.00	34.97 -0.63 0.00	35.41 -0.72 0.00	35.26 -0.65 0.00	39.64 -0.79 0.00	48.95 -0.99 0.00	52.92 -1.19 0.00	57.39 -1.19 0.00	44.77 -0.70 0.00	44.39 -0.49 0.00	44.76 -0.45 0.00	42.34 -0.58 0.00	50.18 -0.79 0.00	54.08 -0.82 0.00	58.77 -1.09 0.00	51.43 -1.11 0.00	56.02 -1.20 0.00	63.15 -1.19 0.00	72.78 -1.37 0.00	55.49 -1.13 0.00	46.12 -0.67 0.00	35.24 -0.70 0.00	34.96 -0.66 0.00	34.40 -0.63 0.00
CH_RES_NIAGARA 23895	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.22 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
CH_RES_SYRACUSE 23985	33.33 -0.55 0.00	35.03 -0.57 0.00	35.59 -0.54 0.00	35.35 -0.57 0.00	39.84 -0.58 0.00	49.11 -0.84 0.00	53.32 -0.79 0.00	57.73 -0.85 0.00	44.66 -0.82 0.00	44.03 -0.84 0.00	44.41 -0.80 0.00	42.15 -0.78 0.00	50.13 -0.83 0.00	54.04 -0.86 0.00	58.85 -1.02 0.00	51.71 -0.84 0.00	56.33 -0.89 0.00	63.39 -0.94 0.00	73.12 -1.03 0.00	55.85 -0.77 0.00	46.06 -0.73 0.00	35.35 -0.59 0.00	35.00 -0.62 0.00	34.38 -0.65 0.00
CLINTON_WT_PWR 323605	33.95 0.07 0.00	35.63 0.03 0.00	35.87 -0.27 0.00	35.57 -0.35 0.00	40.06 -0.37 0.00	49.69 -0.25 0.00	53.36 -0.75 0.00	57.80 -0.78 0.00	44.92 -0.56 0.00	44.64 -0.24 0.00	45.26 0.05 0.00	42.70 -0.22 0.00	50.60 -0.37 0.00	54.86 -0.04 0.00	59.72 -0.15 0.00	51.97 -0.58 0.00	56.30 -0.92 0.00	63.82 -0.51 0.00	72.91 -1.24 0.00	41.52 -1.22 13.88	45.75 -1.04 0.00	35.09 -0.85 0.00	34.85 -0.77 0.00	34.35 -0.67 0.00
CLINTON___LFGE 323618	34.36 0.48 0.00	36.03 0.43 0.00	36.22 0.08 0.00	35.92 0.00 0.00	40.45 0.03 0.00	50.15 0.21 0.00	53.70 -0.41 0.00	58.07 -0.51 0.00	45.01 -0.46 0.00	44.71 -0.16 0.00	45.41 0.20 0.00	42.94 0.01 0.00	50.85 -0.12 0.00	55.50 0.61 0.00	60.18 0.31 0.00	52.14 -0.41 0.00	56.56 -0.65 0.00	64.28 -0.06 0.00	73.19 -0.96 0.00	42.08 -0.97 13.56	46.02 -0.76 0.00	35.29 -0.64 0.00	35.11 -0.51 0.00	34.60 -0.42 0.00
COBBLENY_34_KV_TB1 80064	31.57 -2.31 0.00	33.32 -2.28 0.00	33.85 -2.29 0.00	33.40 -2.52 0.00	37.49 -2.93 0.00	44.03 -5.01 0.90	39.17 -5.88 9.05	52.60 -5.98 0.00	41.04 -4.44 0.00	38.45 -3.90 2.52	40.37 -4.00 0.84	37.06 -4.30 1.57	45.87 -5.10 0.00	44.18 -5.45 5.27	37.75 -6.18 15.93	38.48 -5.69 8.38	42.06 -5.79 9.37	58.16 -6.14 0.04	67.50 -6.65 0.00	51.64 -4.98 0.00	35.83 -4.82 6.13	30.26 -3.90 1.78	31.87 -3.75 0.00	31.38 -3.65 0.00
COFFEEN___115KV_TB3 355620	33.39 -0.49 0.00	34.94 -0.66 0.00	35.28 -0.85 0.00	35.20 -0.72 0.00	39.86 -0.56 0.00	49.05 -0.89 0.00	53.25 -0.85 0.00	57.40 -1.18 0.00	44.56 -0.91 0.00	44.24 -0.63 0.00	44.98 -0.22 0.00	42.22 -0.70 0.00	50.33 -0.64 0.00	54.69 -0.20 0.00	59.38 -0.48 0.00	51.97 -0.58 0.00	56.80 -0.42 0.00	64.10 -0.24 0.00	73.78 -0.37 0.00	55.53 -0.52 0.57	46.15 -0.64 0.00	35.42 -0.52 0.00	34.85 -0.77 0.00	34.13 -0.90 0.00
COLDSPRG_115KV_BK1 355956	32.11 -1.78 0.00	33.86 -1.74 0.00	34.41 -1.73 0.00	33.79 -2.12 0.00	38.34 -2.08 0.00	45.93 -3.64 0.38	46.63 -4.07 3.41	55.01 -3.57 0.00	42.99 -2.48 0.00	39.66 -2.41 2.80	41.54 -2.74 0.93	39.67 -3.11 0.13	47.34 -3.63 0.00	44.96 -4.08 5.86	37.34 -4.65 17.87	38.11 -4.40 10.04	41.82 -4.17 11.23	59.96 -4.33 0.05	69.88 -4.27 0.00	53.36 -3.27 0.00	36.94 -3.74 6.11	30.89 -3.05 1.99	32.70 -2.92 0.00	32.14 -2.89 0.00
COLONIE_LFGE___ 323577	35.12 1.24 0.00	36.89 1.29 0.00	37.42 1.29 0.00	37.31 1.39 0.00	41.88 1.46 0.00	51.92 1.98 0.00	56.35 2.24 0.00	60.66 2.09 0.00	47.02 1.55 0.00	46.11 1.24 0.00	46.33 1.12 0.00	44.15 1.23 0.00	52.66 1.69 0.00	56.64 1.74 0.00	62.02 2.16 0.00	54.63 2.08 0.00	59.25 2.03 0.00	66.32 1.98 0.00	76.63 2.48 0.00	58.61 1.99 0.00	48.52 1.74 0.00	37.23 1.29 0.00	36.91 1.29 0.00	36.44 1.42 0.00
COOPERNY_115KV_TB1 80082	35.17 1.29 0.00	36.92 1.32 0.00	37.51 1.37 0.00	37.25 1.33 0.00	42.03 1.61 0.00	52.01 2.07 0.00	56.61 2.50 0.00	61.59 3.01 0.00	47.97 2.50 0.00	47.23 2.36 0.00	47.63 2.42 0.00	45.40 2.48 0.00	53.77 2.80 0.00	57.61 2.71 0.00	62.62 2.76 0.00	55.08 2.53 0.00	59.85 2.63 0.00	67.17 2.84 0.00	77.47 3.32 0.00	59.16 2.54 0.00	48.91 2.12 0.00	37.73 1.79 0.00	37.38 1.76 0.00	36.65 1.62 0.00
COPENHAGEN_WT_PWR 323753	32.90 -0.98 0.00	34.41 -1.19 0.00	34.71 -1.42 0.00	34.65 -1.27 0.00	39.27 -1.15 0.00	48.29 -1.65 0.00	52.28 -1.83 0.00	56.29 -2.29 0.00	43.78 -1.69 0.00	43.47 -1.40 0.00	44.32 -0.89 0.00	41.58 -1.34 0.00	49.45 -1.52 0.00	53.58 -1.31 0.00	58.20 -1.67 0.00	50.90 -1.65 0.00	55.61 -1.61 0.00	62.73 -1.60 0.00	72.15 -2.01 0.00	54.34 -1.74 0.54	45.20 -1.59 0.00	34.70 -1.23 0.00	34.20 -1.42 0.00	33.51 -1.52 0.00
CORNELL_____ 23752	34.07 0.19 0.00	35.81 0.21 0.00	36.39 0.25 0.00	36.11 0.19 0.00	40.75 0.34 0.00	51.00 0.31 -0.75	61.08 0.45 -6.52	59.09 0.51 0.00	45.35 -0.13 0.00	53.18 -0.26 -8.56	47.61 -0.45 -2.85	48.29 -0.44 -5.81	50.81 -0.16 0.00	72.72 -0.09 -17.92	113.37 0.01 -53.50	78.18 0.18 -25.46	86.11 0.29 -28.61	64.90 0.44 -0.13	74.78 0.63 0.00	57.07 0.45 0.00	64.15 0.26 -17.10	41.14 0.19 -5.02	35.72 0.10 0.00	35.07 0.04 0.00



CORONA__KV_TB1 355595	36.02 2.14 0.00	37.76 2.16 0.00	38.25 2.12 0.00	37.98 2.06 0.00	42.88 2.46 0.00	53.23 3.29 0.00	58.21 4.10 0.00	63.21 4.63 0.00	49.34 3.86 0.00	48.55 3.67 0.00	49.17 3.96 0.00	47.53 4.17 -0.43	55.26 4.29 0.00	59.35 4.45 0.00	64.54 4.68 0.00	60.99 4.22 -4.22	61.83 4.61 0.00	69.36 5.02 0.00	79.96 5.81 0.00	61.00 4.38 0.00	50.53 3.75 0.00	38.91 2.98 0.00	38.52 2.90 0.00	37.69 2.66 0.00
CORTLAND_115KV_TB3 80093	33.90 0.02 0.00	35.65 0.05 0.00	36.24 0.10 0.00	35.97 0.06 0.00	40.58 0.16 0.00	50.31 0.13 -0.24	56.55 0.27 -2.18	58.88 0.31 0.00	45.41 -0.07 0.00	47.07 -0.16 -2.36	45.79 -0.20 -0.79	44.34 -0.18 -1.60	50.92 -0.05 0.00	59.84 0.00 -4.95	74.66 0.03 -14.76	59.74 0.14 -7.05	65.38 0.22 -7.94	64.62 0.25 -0.04	74.52 0.37 0.00	56.87 0.25 0.00	51.72 0.14 -4.79	37.45 0.10 -1.40	35.65 0.04 0.00	35.00 -0.02 0.00
COXSACKIE__GT 23611	35.94 2.06 0.00	37.75 2.15 0.00	38.36 2.23 0.00	38.22 2.30 0.00	42.96 2.54 0.00	53.30 3.36 0.00	58.07 3.96 0.00	62.94 4.36 0.00	48.62 3.14 0.00	47.15 2.28 0.00	46.85 1.64 0.00	44.57 1.64 0.00	53.38 2.42 0.00	57.44 2.54 0.00	62.75 2.88 0.00	56.28 3.73 0.00	61.42 4.20 0.00	69.00 4.66 0.00	79.46 5.31 0.00	60.57 3.95 0.00	50.06 3.27 0.00	38.33 2.40 0.00	37.85 2.23 0.00	37.20 2.18 0.00
CPV_VALLEY__CC1 323721	35.57 1.69 0.00	37.32 1.72 0.00	37.85 1.72 0.00	37.59 1.67 0.00	42.43 2.00 0.00	52.61 2.67 0.00	57.34 3.24 0.00	62.26 3.68 0.00	48.57 3.10 0.00	47.84 2.97 0.00	48.32 3.12 0.00	46.12 3.19 0.00	54.51 3.54 0.00	58.35 3.46 0.00	63.40 3.54 0.00	55.78 3.23 0.00	60.77 3.55 0.00	68.25 3.91 0.00	78.68 4.53 0.00	60.06 3.44 0.00	49.63 2.85 0.00	38.34 2.40 0.00	37.99 2.37 0.00	37.20 2.18 0.00
CPV_VALLEY__CC2 323722	35.57 1.69 0.00	37.32 1.72 0.00	37.85 1.72 0.00	37.59 1.67 0.00	42.43 2.00 0.00	52.61 2.67 0.00	57.34 3.24 0.00	62.26 3.68 0.00	48.57 3.10 0.00	47.84 2.97 0.00	48.32 3.12 0.00	46.12 3.19 0.00	54.51 3.54 0.00	58.35 3.46 0.00	63.40 3.54 0.00	55.78 3.23 0.00	60.77 3.55 0.00	68.25 3.91 0.00	78.68 4.53 0.00	60.06 3.44 0.00	49.63 2.85 0.00	38.34 2.40 0.00	37.99 2.37 0.00	37.20 2.18 0.00
CRESCENT__HYD 24018	35.12 1.24 0.00	36.89 1.29 0.00	37.42 1.29 0.00	37.31 1.39 0.00	41.88 1.46 0.00	51.92 1.98 0.00	56.35 2.24 0.00	60.66 2.09 0.00	47.02 1.55 0.00	46.11 1.24 0.00	46.33 1.12 0.00	44.15 1.23 0.00	52.66 1.69 0.00	56.64 1.74 0.00	62.02 2.16 0.00	54.63 2.08 0.00	59.25 2.03 0.00	66.32 1.98 0.00	76.63 2.48 0.00	58.61 1.99 0.00	48.52 1.74 0.00	37.23 1.29 0.00	36.91 1.29 0.00	36.44 1.42 0.00
CRICKET__VALLEY_CC1 323756	35.36 1.48 0.00	37.10 1.50 0.00	37.63 1.50 0.00	37.38 1.46 0.00	42.17 1.75 0.00	52.29 2.35 0.00	56.96 2.85 0.00	61.79 3.21 0.00	48.25 2.78 0.00	47.55 2.68 0.00	48.03 2.82 0.00	45.86 2.93 0.00	54.16 3.19 0.00	57.96 3.06 0.00	63.01 3.14 0.00	55.44 2.88 0.00	60.36 3.14 0.00	67.72 3.39 0.00	78.10 3.95 0.00	59.65 3.03 0.00	49.33 2.54 0.00	38.10 2.16 0.00	37.75 2.13 0.00	36.97 1.95 0.00
CRICKET__VALLEY_CC2 323757	35.36 1.48 0.00	37.10 1.50 0.00	37.63 1.50 0.00	37.38 1.46 0.00	42.17 1.75 0.00	52.29 2.35 0.00	56.96 2.85 0.00	61.79 3.21 0.00	48.25 2.78 0.00	47.55 2.68 0.00	48.03 2.82 0.00	45.86 2.93 0.00	54.16 3.19 0.00	57.96 3.06 0.00	63.01 3.14 0.00	55.44 2.88 0.00	60.36 3.14 0.00	67.72 3.39 0.00	78.10 3.95 0.00	59.65 3.03 0.00	49.33 2.54 0.00	38.10 2.16 0.00	37.75 2.13 0.00	36.97 1.95 0.00
CRICKET__VALLEY_CC3 323758	35.36 1.48 0.00	37.10 1.50 0.00	37.63 1.50 0.00	37.38 1.46 0.00	42.17 1.75 0.00	52.29 2.35 0.00	56.96 2.85 0.00	61.79 3.21 0.00	48.25 2.78 0.00	47.55 2.68 0.00	48.03 2.82 0.00	45.86 2.93 0.00	54.16 3.19 0.00	57.96 3.06 0.00	63.01 3.14 0.00	55.44 2.88 0.00	60.36 3.14 0.00	67.72 3.39 0.00	78.10 3.95 0.00	59.65 3.03 0.00	49.33 2.54 0.00	38.10 2.16 0.00	37.75 2.13 0.00	36.97 1.95 0.00
CRUCIBLE_METL_DRP 24180	33.33 -0.55 0.00	35.03 -0.57 0.00	35.59 -0.54 0.00	35.35 -0.57 0.00	39.84 -0.58 0.00	49.11 -0.84 0.00	53.32 -0.79 0.00	57.73 -0.85 0.00	44.66 -0.82 0.00	44.03 -0.84 0.00	44.41 -0.80 0.00	42.14 -0.78 0.00	50.14 -0.83 0.00	54.04 -0.86 0.00	58.85 -1.01 0.00	51.71 -0.84 0.00	56.33 -0.89 0.00	63.39 -0.94 0.00	73.10 -1.05 0.00	55.85 -0.77 0.00	46.06 -0.72 0.00	35.35 -0.58 0.00	35.00 -0.62 0.00	34.38 -0.65 0.00
DAHOWA__HYDRO 323763	35.54 1.66 0.00	37.31 1.71 0.00	37.79 1.65 0.00	37.72 1.81 0.00	42.39 1.97 0.00	52.64 2.70 0.00	57.16 3.06 0.00	61.41 2.83 0.00	47.25 1.77 0.00	46.12 1.25 0.00	46.35 1.14 0.00	44.19 1.26 0.00	52.98 2.01 0.00	56.83 1.94 0.00	62.50 2.64 0.00	55.22 2.67 0.00	60.01 2.78 0.00	67.34 3.00 0.00	77.80 3.65 0.00	59.48 2.86 0.00	49.17 2.39 0.00	37.65 1.71 0.00	37.27 1.65 0.00	36.81 1.79 0.00
DANC__LFGE 323619	32.91 -0.97 0.00	34.49 -1.11 0.00	34.89 -1.24 0.00	34.77 -1.14 0.00	39.30 -1.12 0.00	48.32 -1.62 0.00	52.39 -1.72 0.00	56.52 -2.06 0.00	43.89 -1.58 0.00	43.51 -1.36 0.00	44.16 -1.05 0.00	41.60 -1.32 0.00	49.47 -1.50 0.00	53.53 -1.37 0.00	58.18 -1.68 0.00	51.00 -1.55 0.00	55.64 -1.58 0.00	62.69 -1.64 0.00	72.18 -1.97 0.00	54.63 -1.63 0.36	45.31 -1.48 0.00	34.81 -1.13 0.00	34.37 -1.25 0.00	33.68 -1.34 0.00
DANSKAMMER__1 23586	35.90 2.02 0.00	37.67 2.07 0.00	38.21 2.08 0.00	37.95 2.03 0.00	42.83 2.41 0.00	53.13 3.19 0.00	57.94 3.84 0.00	62.91 4.33 0.00	49.06 3.59 0.00	48.28 3.40 0.00	48.76 3.55 0.00	46.51 3.59 0.00	55.03 4.06 0.00	58.91 4.01 0.00	64.00 4.14 0.00	56.35 3.80 0.00	61.42 4.21 0.00	68.98 4.64 0.00	79.55 5.40 0.00	60.73 4.11 0.00	50.17 3.39 0.00	38.72 2.78 0.00	38.34 2.73 0.00	37.53 2.50 0.00
DANSKAMMER__2 23589	35.90 2.02 0.00	37.67 2.07 0.00	38.21 2.08 0.00	37.95 2.03 0.00	42.83 2.41 0.00	53.13 3.19 0.00	57.94 3.84 0.00	62.91 4.33 0.00	49.06 3.59 0.00	48.28 3.40 0.00	48.76 3.55 0.00	46.51 3.59 0.00	55.03 4.06 0.00	58.91 4.01 0.00	64.00 4.14 0.00	56.35 3.80 0.00	61.42 4.21 0.00	68.98 4.64 0.00	79.55 5.40 0.00	60.73 4.11 0.00	50.17 3.39 0.00	38.72 2.78 0.00	38.34 2.73 0.00	37.53 2.50 0.00
DANSKAMMER__3 23590	35.90 2.02 0.00	37.67 2.07 0.00	38.21 2.08 0.00	37.95 2.03 0.00	42.83 2.41 0.00	53.13 3.19 0.00	57.94 3.84 0.00	62.91 4.33 0.00	49.06 3.59 0.00	48.28 3.40 0.00	48.76 3.55 0.00	46.51 3.59 0.00	55.03 4.06 0.00	58.91 4.01 0.00	64.00 4.14 0.00	56.35 3.80 0.00	61.42 4.21 0.00	68.98 4.64 0.00	79.55 5.40 0.00	60.73 4.11 0.00	50.17 3.39 0.00	38.72 2.78 0.00	38.34 2.73 0.00	37.53 2.50 0.00



DANSKAMMER___4 23591	35.90 2.02 0.00	37.67 2.07 0.00	38.21 2.08 0.00	37.95 2.03 0.00	42.83 2.41 0.00	53.13 3.19 0.00	57.94 3.84 0.00	62.91 4.33 0.00	49.06 3.59 0.00	48.28 3.40 0.00	48.76 3.55 0.00	46.51 3.59 0.00	55.03 4.06 0.00	58.91 4.01 0.00	64.00 4.14 0.00	56.35 3.80 0.00	61.42 4.21 0.00	68.98 4.64 0.00	79.55 5.40 0.00	60.73 4.11 0.00	50.17 3.39 0.00	38.72 2.78 0.00	38.34 2.73 0.00	37.53 2.50 0.00
DANSKAMMER___DIESEL 23592	35.90 2.02 0.00	37.67 2.07 0.00	38.21 2.08 0.00	37.95 2.03 0.00	42.83 2.41 0.00	53.13 3.20 0.00	57.95 3.84 0.00	62.91 4.33 0.00	49.06 3.59 0.00	48.28 3.40 0.00	48.75 3.55 0.00	46.51 3.59 0.00	55.04 4.07 0.00	58.90 4.00 0.00	64.01 4.14 0.00	56.35 3.80 0.00	61.43 4.21 0.00	68.98 4.65 0.00	79.55 5.40 0.00	60.74 4.12 0.00	50.17 3.39 0.00	38.72 2.78 0.00	38.34 2.72 0.00	37.53 2.50 0.00
DARBY___SOLAR 323810	35.43 1.55 0.00	37.20 1.60 0.00	37.68 1.55 0.00	37.62 1.70 0.00	42.25 1.83 0.00	52.45 2.51 0.00	56.92 2.81 0.00	61.17 2.59 0.00	47.11 1.64 0.00	46.03 1.16 0.00	46.25 1.04 0.00	44.09 1.17 0.00	52.84 1.87 0.00	56.68 1.78 0.00	62.32 2.46 0.00	55.04 2.49 0.00	59.79 2.57 0.00	67.07 2.73 0.00	77.49 3.33 0.00	59.25 2.63 0.00	49.00 2.21 0.00	37.53 1.59 0.00	37.18 1.56 0.00	36.71 1.68 0.00
DASHVILLE___HYD 23610	35.35 1.47 0.00	37.11 1.51 0.00	37.70 1.56 0.00	37.45 1.54 0.00	42.24 1.82 0.00	52.31 2.37 0.00	56.96 2.85 0.00	61.84 3.26 0.00	48.21 2.73 0.00	47.43 2.56 0.00	47.77 2.56 0.00	45.54 2.62 0.00	53.94 2.97 0.00	57.80 2.90 0.00	62.77 2.91 0.00	55.33 2.78 0.00	60.26 3.04 0.00	67.60 3.26 0.00	77.98 3.83 0.00	59.55 2.93 0.00	49.28 2.49 0.00	37.99 2.05 0.00	37.62 2.00 0.00	36.86 1.84 0.00
DELAWARE___LFGE 323621	34.67 0.79 0.00	36.46 0.86 0.00	37.10 0.97 0.00	36.85 0.93 0.00	41.51 1.08 0.00	51.27 1.33 0.00	55.64 1.53 0.00	60.16 1.58 0.00	46.68 1.21 0.00	45.99 1.12 0.00	46.32 1.11 0.00	44.05 1.13 0.00	52.26 1.29 0.00	56.16 1.27 0.00	61.21 1.34 0.00	53.80 1.25 0.00	58.77 1.55 0.00	65.86 1.52 0.00	75.99 1.84 0.00	58.01 1.39 0.00	48.01 1.23 0.00	36.95 1.01 0.00	36.57 0.95 0.00	35.89 0.86 0.00
DERFIELD_115KV_TB7 355931	34.02 0.13 0.00	35.74 0.14 0.00	36.30 0.16 0.00	36.09 0.17 0.00	40.62 0.20 0.00	50.16 0.22 0.00	54.41 0.30 0.00	58.85 0.27 0.00	45.65 0.18 0.00	45.01 0.14 0.00	45.34 0.13 0.00	43.11 0.18 0.00	51.16 0.19 0.00	55.09 0.19 0.00	60.09 0.23 0.00	52.81 0.26 0.00	57.51 0.29 0.00	64.56 0.22 0.00	74.45 0.30 0.00	56.86 0.24 0.00	47.02 0.23 0.00	36.13 0.19 0.00	35.80 0.18 0.00	35.19 0.16 0.00
DOGLEVILLE___HYD 23807	36.17 2.28 0.00	38.05 2.45 0.00	38.65 2.51 0.00	38.44 2.53 0.00	43.34 2.92 0.00	53.63 3.69 0.00	58.27 4.17 0.00	62.42 3.84 0.00	47.16 1.69 0.00	46.13 1.26 0.00	46.56 1.35 0.00	44.56 1.63 0.00	53.18 2.21 0.00	57.29 2.39 0.00	63.41 3.54 0.00	56.01 3.46 0.00	61.42 4.20 0.00	68.29 3.96 0.00	78.76 4.61 0.00	60.08 3.46 0.00	49.75 2.96 0.00	38.41 2.47 0.00	37.94 2.32 0.00	37.33 2.30 0.00
DUNKIRK___115KV_TB_200 55889	31.40 -2.49 0.00	33.12 -2.48 0.00	33.69 -2.44 0.00	33.08 -2.83 0.00	37.44 -2.99 0.00	44.07 -5.01 0.86	39.68 -5.80 8.62	53.04 -5.54 0.00	41.38 -4.09 0.00	38.45 -3.92 2.50	40.24 -4.14 0.83	36.13 -4.53 2.27	45.72 -5.25 0.00	43.97 -5.71 5.22	37.55 -6.56 15.75	38.44 -5.93 8.18	42.17 -5.91 9.15	58.09 -6.20 0.04	67.57 -6.57 0.00	51.61 -5.01 0.00	35.39 -5.14 6.25	30.14 -4.07 1.73	31.72 -3.90 0.00	31.21 -3.81 0.00
DUNKIRK___1 23563	31.40 -2.49 0.00	33.12 -2.48 0.00	33.69 -2.44 0.00	33.08 -2.83 0.00	37.44 -2.99 0.00	44.07 -5.01 0.86	39.68 -5.80 8.62	53.04 -5.54 0.00	41.38 -4.09 0.00	38.45 -3.92 2.50	40.24 -4.14 0.83	36.13 -4.53 2.27	45.72 -5.25 0.00	43.97 -5.71 5.22	37.55 -6.56 15.75	38.44 -5.93 8.18	42.17 -5.91 9.15	58.09 -6.20 0.04	67.57 -6.57 0.00	51.61 -5.01 0.00	35.39 -5.14 6.25	30.14 -4.07 1.73	31.72 -3.90 0.00	31.21 -3.81 0.00
DUNKIRK___2 23564	31.40 -2.49 0.00	33.12 -2.48 0.00	33.69 -2.44 0.00	33.08 -2.83 0.00	37.44 -2.99 0.00	44.07 -5.01 0.86	39.68 -5.80 8.62	53.04 -5.54 0.00	41.38 -4.09 0.00	38.45 -3.92 2.50	40.24 -4.14 0.83	36.13 -4.53 2.27	45.72 -5.25 0.00	43.97 -5.71 5.22	37.55 -6.56 15.75	38.44 -5.93 8.18	42.17 -5.91 9.15	58.09 -6.20 0.04	67.57 -6.57 0.00	51.61 -5.01 0.00	35.39 -5.14 6.25	30.14 -4.07 1.73	31.72 -3.90 0.00	31.21 -3.81 0.00
DUNKIRK___3 23565	31.45 -2.44 0.00	33.18 -2.42 0.00	33.74 -2.40 0.00	33.18 -2.74 0.00	37.48 -2.94 0.00	44.09 -4.95 0.89	39.38 -5.75 8.98	52.96 -5.62 0.00	41.26 -4.21 0.00	38.46 -3.95 2.47	40.26 -4.13 0.82	36.46 -4.48 1.99	45.75 -5.22 0.00	44.04 -5.69 5.17	37.80 -6.50 15.57	38.75 -5.85 7.95	42.45 -5.88 8.89	58.06 -6.24 0.04	67.51 -6.64 0.00	51.59 -5.03 0.00	35.74 -5.04 6.00	30.25 -4.00 1.69	31.79 -3.83 0.00	31.30 -3.73 0.00
DUNKIRK___4 23566	31.45 -2.44 0.00	33.18 -2.42 0.00	33.74 -2.40 0.00	33.18 -2.74 0.00	37.48 -2.94 0.00	44.09 -4.95 0.89	39.38 -5.75 8.98	52.96 -5.62 0.00	41.26 -4.21 0.00	38.46 -3.95 2.47	40.26 -4.13 0.82	36.46 -4.48 1.99	45.75 -5.22 0.00	44.04 -5.69 5.17	37.80 -6.50 15.57	38.75 -5.85 7.95	42.45 -5.88 8.89	58.06 -6.24 0.04	67.51 -6.64 0.00	51.59 -5.03 0.00	35.74 -5.04 6.00	30.25 -4.00 1.69	31.79 -3.83 0.00	31.30 -3.73 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	35.84 1.96 0.00	37.58 1.98 0.00	38.09 1.95 0.00	37.81 1.89 0.00	42.68 2.26 0.00	52.96 3.03 0.00	57.85 3.75 0.00	62.81 4.23 0.00	49.12 3.64 0.00	48.41 3.54 0.00	48.95 3.74 0.00	46.73 3.81 0.00	55.14 4.17 0.00	58.95 4.05 0.00	64.05 4.19 0.00	56.33 3.78 0.00	61.40 4.18 0.00	68.90 4.56 0.00	79.44 5.29 0.00	60.66 4.04 0.00	50.13 3.35 0.00	38.75 2.81 0.00	38.38 2.76 0.00	37.52 2.49 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	35.75 1.87 0.00	37.51 1.91 0.00	38.05 1.91 0.00	37.78 1.86 0.00	42.66 2.23 0.00	52.90 2.96 0.00	57.68 3.57 0.00	62.64 4.06 0.00	48.84 3.37 0.00	48.07 3.20 0.00	48.53 3.32 0.00	46.33 3.41 0.00	54.79 3.82 0.00	58.64 3.75 0.00	63.67 3.80 0.00	56.08 3.53 0.00	61.13 3.91 0.00	68.66 4.32 0.00	79.17 5.02 0.00	60.43 3.81 0.00	49.93 3.14 0.00	38.55 2.61 0.00	38.19 2.57 0.00	37.38 2.36 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	35.65 1.77 0.00	37.37 1.77 0.00	37.83 1.70 0.00	37.55 1.63 0.00	42.80 2.38 0.00	53.28 3.34 0.00	58.13 4.02 0.00	63.08 4.50 0.00	49.42 3.95 0.00	48.67 3.79 0.00	49.20 3.99 0.00	46.99 4.07 0.00	55.28 4.31 0.00	59.10 4.21 0.00	64.21 4.35 0.00	56.44 3.90 0.00	61.55 4.33 0.00	69.04 4.70 0.00	79.57 5.42 0.00	60.84 4.22 0.00	50.33 3.55 0.00	38.95 3.01 0.00	38.57 2.96 0.00	37.79 2.76 0.00



E179THST_13_KV_LOAD 356214	35.77 1.89 0.00	37.49 1.89 0.00	37.94 1.81 0.00	37.66 1.74 0.00	42.93 2.51 0.00	53.44 3.50 0.00	58.33 4.23 0.00	63.32 4.74 0.00	49.61 4.13 0.00	48.86 3.99 0.00	49.38 4.18 0.00	47.17 4.25 0.00	55.52 4.55 0.00	59.34 4.45 0.00	64.48 4.61 0.00	56.69 4.14 0.00	61.82 4.60 0.00	69.35 5.01 0.00	79.92 5.76 0.00	61.10 4.48 0.00	50.55 3.76 0.00	39.11 3.17 0.00	38.73 3.11 0.00	37.92 2.89 0.00
EAST HAMPTON___GT 23717	35.76 2.32 0.44	35.84 2.29 2.05	35.85 2.24 2.53	35.86 2.21 2.26	39.92 2.64 3.14	53.65 3.79 0.07	59.03 4.92 0.00	63.98 5.40 0.01	48.04 4.23 1.66	44.14 3.40 4.13	34.99 3.63 13.85	43.10 4.02 3.85	50.55 4.32 4.74	60.03 5.13 0.00	65.38 5.51 0.00	59.89 5.01 -2.33	59.99 5.04 2.26	61.54 4.12 6.92	74.33 5.15 4.97	61.20 4.57 0.00	50.67 3.88 0.00	38.07 2.13 0.00	36.98 1.36 0.00	35.62 0.80 0.20
EAST RIVER___6 23660	35.95 2.07 0.00	37.66 2.06 0.00	38.15 2.02 0.00	37.88 1.96 0.00	42.80 2.38 0.00	53.16 3.22 0.00	58.07 3.97 0.00	63.07 4.49 0.00	49.44 3.97 0.00	48.76 3.89 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.54 4.57 0.00	59.34 4.45 0.00	64.43 4.56 0.00	56.64 4.10 0.00	61.82 4.59 0.00	69.35 5.01 0.00	79.95 5.80 0.00	61.02 4.39 0.00	50.41 3.62 0.00	38.97 3.03 0.00	38.58 2.96 0.00	37.72 2.69 0.00
EAST RIVER___7 23524	35.95 2.07 0.00	37.66 2.06 0.00	38.15 2.02 0.00	37.88 1.96 0.00	42.80 2.38 0.00	53.16 3.22 0.00	58.07 3.97 0.00	63.07 4.49 0.00	49.44 3.97 0.00	48.76 3.89 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.54 4.57 0.00	59.34 4.45 0.00	64.43 4.56 0.00	56.64 4.10 0.00	61.82 4.59 0.00	69.35 5.01 0.00	79.95 5.80 0.00	61.02 4.39 0.00	50.41 3.62 0.00	38.97 3.03 0.00	38.58 2.96 0.00	37.72 2.69 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	35.78 1.90 0.00	37.52 1.92 0.00	38.03 1.89 0.00	37.76 1.84 0.00	42.62 2.20 0.00	52.90 2.96 0.00	57.72 3.61 0.00	62.67 4.10 0.00	48.97 3.49 0.00	48.25 3.38 0.00	48.78 3.57 0.00	46.57 3.65 0.00	54.97 4.00 0.00	58.80 3.91 0.00	63.89 4.02 0.00	56.18 3.64 0.00	61.24 4.02 0.00	68.74 4.41 0.00	79.26 5.11 0.00	60.52 3.89 0.00	50.00 3.22 0.00	38.64 2.70 0.00	38.27 2.65 0.00	37.45 2.42 0.00
EAST_HAMPTON___DIESEL 23722	35.76 2.33 0.44	35.85 2.30 2.05	35.86 2.25 2.53	35.87 2.21 2.26	39.93 2.65 3.14	53.68 3.82 0.07	59.03 4.93 0.00	63.97 5.39 0.01	48.04 4.22 1.66	44.10 3.35 4.13	34.97 3.61 13.85	43.08 4.01 3.85	50.55 4.32 4.74	60.04 5.14 0.00	65.40 5.53 0.00	59.93 5.05 -2.33	59.98 5.02 2.26	61.43 4.01 6.92	74.25 5.06 4.97	61.17 4.55 0.00	50.64 3.85 0.00	38.00 2.06 0.00	36.88 1.26 0.00	35.50 0.68 0.20
EAST_POINT___SOLAR 323840	34.72 0.84 0.00	36.49 0.89 0.00	37.03 0.89 0.00	36.81 0.90 0.00	41.45 1.03 0.00	51.36 1.43 0.00	55.73 1.62 0.00	59.88 1.30 0.00	44.83 -0.65 0.00	44.60 -0.27 0.00	45.13 -0.08 0.00	42.85 -0.07 0.00	50.64 -0.33 0.00	54.71 -0.18 0.00	61.03 1.16 0.00	53.90 1.34 0.00	59.06 1.84 0.00	66.27 1.94 0.00	76.34 2.19 0.00	58.14 1.52 0.00	48.04 1.26 0.00	36.83 0.89 0.00	36.44 0.82 0.00	35.78 0.75 0.00
EAST_PULASKI___ESR 323781	32.96 -0.92 0.00	34.60 -1.00 0.00	35.08 -1.05 0.00	34.92 -0.99 0.00	39.33 -1.09 0.00	48.39 -1.55 0.00	52.54 -1.57 0.00	56.81 -1.77 0.00	44.05 -1.43 0.00	43.56 -1.31 0.00	44.05 -1.15 0.00	41.65 -1.27 0.00	49.52 -1.44 0.00	53.48 -1.42 0.00	58.19 -1.67 0.00	51.12 -1.43 0.00	55.72 -1.50 0.00	62.69 -1.64 0.00	72.28 -1.87 0.00	54.94 -1.49 0.19	45.45 -1.34 0.00	34.93 -1.00 0.00	34.53 -1.09 0.00	33.88 -1.15 0.00
EAST_RIVER___1 323558	35.99 2.11 0.00	37.72 2.12 0.00	38.21 2.07 0.00	37.94 2.02 0.00	42.87 2.44 0.00	53.22 3.28 0.00	58.12 4.02 0.00	63.10 4.51 0.00	49.43 3.96 0.00	48.74 3.87 0.00	49.31 4.10 0.00	47.09 4.16 0.00	55.49 4.52 0.00	59.28 4.39 0.00	64.38 4.52 0.00	56.59 4.04 0.00	61.75 4.53 0.00	69.28 4.94 0.00	79.87 5.72 0.00	60.97 4.35 0.00	50.38 3.60 0.00	38.97 3.03 0.00	38.59 2.97 0.00	37.75 2.72 0.00
EAST_RIVER___2 323559	35.95 2.07 0.00	37.66 2.06 0.00	38.15 2.02 0.00	37.88 1.96 0.00	42.80 2.38 0.00	53.16 3.22 0.00	58.07 3.97 0.00	63.07 4.49 0.00	49.44 3.97 0.00	48.76 3.89 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.54 4.57 0.00	59.34 4.45 0.00	64.43 4.56 0.00	56.64 4.10 0.00	61.82 4.59 0.00	69.35 5.01 0.00	79.95 5.80 0.00	61.02 4.39 0.00	50.41 3.62 0.00	38.97 3.03 0.00	38.58 2.96 0.00	37.72 2.69 0.00
EAST___DELAWARE_HYD 23607	35.16 1.28 0.00	36.90 1.30 0.00	37.47 1.34 0.00	37.22 1.30 0.00	42.01 1.59 0.00	52.11 2.17 0.00	56.86 2.76 0.00	61.81 3.23 0.00	48.12 2.65 0.00	47.28 2.41 0.00	47.53 2.32 0.00	45.34 2.41 0.00	53.53 2.57 0.00	56.17 1.27 0.00	61.06 1.20 0.00	53.84 1.29 0.00	58.76 1.54 0.00	66.01 1.68 0.00	76.10 1.95 0.00	58.08 1.46 0.00	48.15 1.37 0.00	37.93 1.99 0.00	37.53 1.91 0.00	36.72 1.70 0.00
EIGHT_POINT___WT_PWR 323820	31.38 -2.50 0.00	32.88 -2.72 0.00	33.29 -2.84 0.00	32.81 -3.11 0.00	37.11 -3.31 0.00	49.46 -4.75 -4.27	95.20 -5.18 -46.28	54.10 -4.48 0.00	40.86 -4.61 0.00	30.06 -5.43 9.39	37.02 -5.07 3.12	31.54 -5.02 6.37	45.13 -5.84 0.00	28.16 -7.09 19.64	-5.26 -7.55 57.58	24.02 -5.46 23.07	25.05 -6.34 25.83	57.77 -6.46 0.11	67.90 -6.24 0.00	51.90 -4.72 0.00	29.73 -4.84 12.21	28.04 -4.07 3.83	31.63 -3.99 0.00	31.16 -3.87 0.00
ELBRIDGE_115KV_TB2 80188	33.17 -0.71 0.00	34.83 -0.77 0.00	35.41 -0.73 0.00	35.17 -0.75 0.00	39.64 -0.78 0.00	48.84 -1.10 -0.01	53.01 -1.10 0.00	57.41 -1.17 0.00	44.42 -1.05 0.00	44.17 -1.09 -0.38	44.24 -1.10 -0.13	42.17 -1.01 -0.26	49.85 -1.12 0.00	54.51 -1.19 -0.80	60.92 -1.34 -2.39	52.54 -1.14 -1.13	57.26 -1.24 -1.29	63.01 -1.33 -0.01	72.71 -1.44 0.00	55.55 -1.08 0.00	46.55 -0.97 -0.74	35.35 -0.81 -0.22	34.80 -0.82 0.00	34.20 -0.83 0.00
ELEC_TRO_TEK 24086	35.84 1.96 0.00	37.56 1.96 0.00	38.05 1.92 0.00	37.79 1.87 0.00	42.67 2.25 0.00	53.00 3.06 0.00	57.99 3.88 0.00	62.98 4.40 0.00	49.17 3.69 0.00	48.37 3.50 0.00	48.96 3.75 0.00	47.31 3.96 -0.43	55.05 4.09 0.00	59.10 4.21 0.00	64.28 4.42 0.00	60.72 4.00 -4.17	61.59 4.37 0.00	69.05 4.71 0.00	79.58 5.43 0.00	60.76 4.14 0.00	50.32 3.54 0.00	38.75 2.81 0.00	38.35 2.73 0.00	37.52 2.49 0.00
ELLENBURG_WT_PWR 323604	33.95 0.07 0.00	35.63 0.03 0.00	35.87 -0.27 0.00	35.57 -0.35 0.00	40.06 -0.37 0.00	49.69 -0.25 0.00	53.36 -0.75 0.00	57.80 -0.78 0.00	44.92 -0.56 0.00	44.64 -0.24 0.00	45.26 0.05 0.00	42.70 -0.22 0.00	50.60 -0.37 0.00	54.86 -0.04 0.00	59.72 -0.15 0.00	51.97 -0.58 0.00	56.30 -0.92 0.00	63.82 -0.51 0.00	72.91 -1.24 0.00	41.52 -1.22 13.88	45.75 -1.04 0.00	35.09 -0.85 0.00	34.85 -0.77 0.00	34.35 -0.67 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	31.34 -2.54 0.00	33.10 -2.50 0.00	33.63 -2.51 0.00	33.17 -2.75 0.00	37.19 -3.24 0.00	43.52 -5.44 0.97	37.74 -6.47 9.90	51.92 -6.66 0.00	40.48 -4.99 0.00	38.26 -4.41 2.21	39.93 -4.55 0.73	36.52 -4.82 1.59	45.21 -5.75 0.00	44.15 -6.13 4.61	39.06 -6.93 13.88	39.28 -6.25 7.02	42.98 -6.39 7.85	57.42 -6.89 0.04	66.63 -7.52 0.00	51.01 -5.61 0.00	36.09 -5.35 5.35	30.10 -4.32 1.52	31.48 -4.14 0.00	31.01 -4.02 0.00
EMPIRE_CC_1 323656	34.74 0.85 0.00	36.55 0.95 0.00	37.13 1.00 0.00	37.02 1.11 0.00	41.44 1.01 0.00	51.32 1.38 0.00	55.60 1.49 0.00	59.85 1.28 0.00	46.59 1.11 0.00	45.76 0.88 0.00	45.96 0.75 0.00	43.83 0.91 0.00	52.18 1.21 0.00	56.13 1.23 0.00	61.35 1.48 0.00	54.01 1.46 0.00	58.42 1.20 0.00	65.33 0.99 0.00	75.51 1.36 0.00	57.75 1.12 0.00	47.89 1.10 0.00	36.83 0.89 0.00	36.51 0.89 0.00	36.08 1.06 0.00
EMPIRE_CC_2 323658	34.74 0.85 0.00	36.55 0.95 0.00	37.13 1.00 0.00	37.02 1.11 0.00	41.44 1.01 0.00	51.32 1.38 0.00	55.60 1.49 0.00	59.85 1.28 0.00	46.59 1.11 0.00	45.76 0.88 0.00	45.96 0.75 0.00	43.83 0.91 0.00	52.18 1.21 0.00	56.13 1.23 0.00	61.35 1.48 0.00	54.01 1.46 0.00	58.42 1.20 0.00	65.33 0.99 0.00	75.51 1.36 0.00	57.75 1.12 0.00	47.89 1.10 0.00	36.83 0.89 0.00	36.51 0.89 0.00	36.08 1.06 0.00
ENORWICH_115KV_TB1 80156	34.75 0.86 0.00	36.61 1.01 0.00	37.17 1.04 0.00	36.85 0.93 0.00	41.54 1.12 0.00	51.84 1.53 -0.38	59.61 2.03 -3.47	61.10 2.53 0.00	46.60 1.13 0.00	48.30 0.64 -2.78	46.58 0.45 -0.93	45.25 0.44 -1.89	51.79 0.82 0.00	62.09 1.36 -5.82	79.28 2.02 -17.40	62.48 1.52 -8.41	68.75 1.78 -9.75	65.94 1.56 -0.04	76.35 2.20 0.00	57.94 1.32 0.00	53.80 1.05 -5.97	38.52 0.83 -1.75	36.08 0.46 0.00	35.45 0.42 0.00
ERIE_ST__34_KV_TB1-2 80199	31.65 -2.23 0.00	33.39 -2.21 0.00	33.90 -2.23 0.00	33.46 -2.46 0.00	37.60 -2.82 0.00	44.06 -4.87 1.00	38.23 -5.70 10.17	52.85 -5.73 0.00	41.15 -4.32 0.00	38.71 -3.74 2.42	40.55 -3.86 0.81	37.13 -4.15 1.64	46.05 -4.92 0.00	44.56 -5.27 5.07	38.68 -5.94 15.25	39.36 -5.41 7.79	43.02 -5.50 8.71	58.41 -5.89 0.04	67.83 -6.32 0.00	51.88 -4.74 0.00	36.29 -4.62 5.88	30.53 -3.73 1.69	32.02 -3.60 0.00	31.54 -3.49 0.00
ERIE_WT_PWR 323693	31.46 -2.42 0.00	33.19 -2.41 0.00	33.72 -2.42 0.00	33.25 -2.67 0.00	37.27 -3.15 0.00	43.49 -5.31 1.14	36.22 -6.23 11.66	52.20 -6.38 0.00	40.68 -4.79 0.00	38.33 -4.21 2.33	40.09 -4.34 0.77	36.73 -4.61 1.58	45.51 -5.46 0.00	44.15 -5.87 4.87	38.52 -6.68 14.67	39.09 -5.97 7.49	42.61 -6.23 8.38	57.76 -6.54 0.04	67.04 -7.11 0.00	51.27 -5.36 0.00	35.82 -5.14 5.83	30.14 -4.13 1.67	31.64 -3.98 0.00	31.17 -3.85 0.00
ESPRGFLD_115KV_TB1 80157	33.96 0.07 0.00	35.71 0.11 0.00	36.29 0.15 0.00	36.02 0.10 0.00	40.56 0.14 0.00	50.12 0.18 0.00	54.32 0.22 0.00	58.96 0.38 0.00	45.58 0.10 0.00	45.02 0.15 0.00	45.50 0.29 0.00	43.20 0.27 0.00	51.04 0.07 0.00	54.95 0.05 0.00	60.08 0.21 0.00	52.59 0.04 0.00	57.57 0.35 0.00	64.53 0.19 0.00	74.33 0.18 0.00	56.65 0.03 0.00	46.85 0.06 0.00	35.98 0.04 0.00	35.57 -0.05 0.00	34.91 -0.11 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	34.03 0.15 0.00	35.77 0.17 0.00	36.36 0.22 0.00	36.07 0.15 0.00	40.70 0.28 0.00	50.83 0.27 -0.62	59.92 0.41 -5.40	59.03 0.45 0.00	45.34 -0.13 0.00	51.47 -0.28 -6.88	47.07 -0.42 -2.29	47.18 -0.40 -4.66	50.80 -0.17 0.00	69.19 -0.09 -14.39	102.84 0.03 -42.95	73.15 0.15 -20.45	80.49 0.27 -23.00	64.81 0.38 -0.10	74.71 0.56 0.00	57.02 0.40 0.00	60.78 0.23 -13.77	40.13 0.16 -4.04	35.70 0.08 0.00	35.05 0.02 0.00
ETNA____115KV_TB2 80207	34.03 0.15 0.00	35.77 0.17 0.00	36.36 0.22 0.00	36.07 0.15 0.00	40.70 0.28 0.00	50.83 0.27 -0.62	59.92 0.41 -5.40	59.03 0.45 0.00	45.34 -0.13 0.00	51.47 -0.28 -6.88	47.07 -0.42 -2.29	47.18 -0.40 -4.66	50.80 -0.17 0.00	69.19 -0.09 -14.39	102.84 0.03 -42.95	73.15 0.15 -20.45	80.49 0.27 -23.00	64.81 0.38 -0.10	74.71 0.56 0.00	57.02 0.40 0.00	60.78 0.23 -13.77	40.13 0.16 -4.04	35.70 0.08 0.00	35.05 0.02 0.00
EUCLID___115KV_TB2 356179	32.97 -0.91 0.00	34.67 -0.93 0.00	35.21 -0.92 0.00	34.98 -0.93 0.00	39.37 -1.05 0.00	48.50 -1.44 0.00	52.59 -1.51 0.00	56.96 -1.62 0.00	44.14 -1.33 0.00	43.57 -1.30 0.00	43.94 -1.27 0.00	41.68 -1.24 0.00	49.53 -1.44 0.00	53.38 -1.51 0.00	58.12 -1.75 0.00	51.08 -1.47 0.00	55.66 -1.56 0.00	62.58 -1.76 0.00	72.18 -1.97 0.00	55.12 -1.50 0.00	45.48 -1.30 0.00	34.94 -1.00 0.00	34.60 -1.02 0.00	33.98 -1.05 0.00
E_CANADA_CAP_HY 24051	33.84 -0.04 0.00	35.58 -0.02 0.00	36.12 -0.02 0.00	35.90 -0.02 0.00	40.36 -0.06 0.00	49.93 -0.01 0.00	53.91 -0.19 0.00	58.32 -0.26 0.00	44.79 -0.68 0.00	44.32 -0.55 0.00	44.92 -0.29 0.00	42.64 -0.28 0.00	50.42 -0.54 0.00	54.29 -0.61 0.00	59.69 -0.17 0.00	52.36 -0.19 0.00	57.32 0.11 0.00	64.12 -0.22 0.00	73.76 -0.39 0.00	56.21 -0.41 0.00	46.54 -0.25 0.00	35.75 -0.19 0.00	35.42 -0.20 0.00	34.80 -0.23 0.00
E_CANADA_MHWK_HY 24050	36.17 2.28 0.00	38.05 2.45 0.00	38.64 2.51 0.00	38.44 2.53 0.00	43.34 2.91 0.00	53.63 3.69 0.00	58.28 4.17 0.00	62.42 3.84 0.00	47.16 1.69 0.00	46.12 1.25 0.00	46.56 1.35 0.00	44.56 1.63 0.00	53.18 2.21 0.00	57.28 2.38 0.00	63.41 3.54 0.00	56.01 3.46 0.00	61.42 4.20 0.00	68.29 3.96 0.00	78.77 4.61 0.00	60.08 3.46 0.00	49.75 2.97 0.00	38.41 2.47 0.00	37.94 2.32 0.00	37.33 2.30 0.00
E_FISHKILL___LBMP 23776	35.58 1.70 0.00	37.32 1.72 0.00	37.85 1.72 0.00	37.59 1.67 0.00	42.42 2.00 0.00	52.60 2.66 0.00	57.32 3.22 0.00	62.19 3.61 0.00	48.58 3.10 0.00	47.86 2.99 0.00	48.37 3.16 0.00	46.16 3.23 0.00	54.52 3.56 0.00	58.33 3.43 0.00	63.40 3.54 0.00	55.78 3.23 0.00	60.76 3.54 0.00	68.17 3.83 0.00	78.60 4.45 0.00	60.03 3.41 0.00	49.64 2.85 0.00	38.35 2.41 0.00	37.99 2.37 0.00	37.20 2.17 0.00
FALCON___SEABRD_CC1 323796	34.18 0.30 0.00	35.83 0.23 0.00	36.01 -0.13 0.00	35.73 -0.19 0.00	40.22 -0.20 0.00	49.84 -0.10 0.00	53.19 -0.92 0.00	57.45 -1.13 0.00	44.64 -0.84 0.00	44.50 -0.38 0.00	45.21 0.01 0.00	42.68 -0.24 0.00	50.55 -0.42 0.00	55.08 0.18 0.00	59.71 -0.15 0.00	51.64 -0.90 0.00	55.96 -1.27 0.00	63.50 -0.83 0.00	72.31 -1.84 0.00	41.26 -1.62 13.74	45.53 -1.26 0.00	35.00 -0.94 0.00	34.91 -0.72 0.00	34.45 -0.58 0.00
FALCON___SEABRD_CC2 323797	34.18 0.30 0.00	35.83 0.23 0.00	36.01 -0.13 0.00	35.73 -0.19 0.00	40.22 -0.20 0.00	49.84 -0.10 0.00	53.19 -0.92 0.00	57.45 -1.13 0.00	44.64 -0.84 0.00	44.50 -0.38 0.00	45.21 0.01 0.00	42.68 -0.24 0.00	50.55 -0.42 0.00	55.08 0.18 0.00	59.71 -0.15 0.00	51.64 -0.90 0.00	55.96 -1.27 0.00	63.50 -0.83 0.00	72.31 -1.84 0.00	41.26 -1.62 13.74	45.53 -1.26 0.00	35.00 -0.94 0.00	34.91 -0.72 0.00	34.45 -0.58 0.00



FAR ROCKAWAY___4 23548	36.23 2.35 0.00	37.97 2.37 0.00	38.47 2.33 0.00	38.18 2.27 0.00	43.12 2.70 0.00	53.54 3.60 0.00	58.60 4.49 0.00	63.64 5.06 0.00	49.66 4.19 0.00	48.86 3.99 0.00	49.46 4.25 0.00	47.80 4.48 -0.39	55.60 4.64 0.00	59.77 4.87 0.00	64.99 5.13 0.00	60.97 4.61 -3.81	62.28 5.06 0.00	69.86 5.52 0.00	80.55 6.40 0.00	61.45 4.83 0.00	50.89 4.10 0.00	39.17 3.23 0.00	38.75 3.13 0.00	37.90 2.87 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	36.00 2.12 0.00	37.73 2.13 0.00	38.22 2.09 0.00	37.94 2.02 0.00	42.87 2.45 0.00	53.23 3.29 0.00	58.13 4.03 0.00	63.09 4.51 0.00	49.43 3.96 0.00	48.73 3.86 0.00	49.30 4.09 0.00	47.07 4.15 0.00	55.50 4.52 0.00	59.26 4.36 0.00	64.36 4.50 0.00	56.58 4.03 0.00	61.74 4.52 0.00	69.27 4.93 0.00	79.87 5.72 0.00	60.97 4.35 0.00	50.39 3.60 0.00	38.97 3.03 0.00	38.60 2.98 0.00	37.76 2.73 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	36.01 2.13 0.00	37.74 2.14 0.00	38.23 2.10 0.00	37.95 2.03 0.00	42.88 2.46 0.00	53.25 3.32 0.00	58.15 4.04 0.00	63.10 4.52 0.00	49.43 3.96 0.00	48.74 3.87 0.00	49.30 4.09 0.00	47.07 4.15 0.00	55.50 4.53 0.00	59.27 4.37 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.75 4.53 0.00	69.28 4.94 0.00	79.88 5.73 0.00	60.99 4.37 0.00	50.40 3.61 0.00	38.98 3.04 0.00	38.61 2.99 0.00	37.77 2.74 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	35.98 2.10 0.00	37.71 2.11 0.00	38.21 2.07 0.00	37.92 2.00 0.00	42.85 2.43 0.00	53.21 3.28 0.00	58.11 4.00 0.00	63.07 4.49 0.00	49.40 3.93 0.00	48.71 3.83 0.00	49.28 4.07 0.00	47.04 4.12 0.00	55.45 4.49 0.00	59.23 4.33 0.00	64.32 4.45 0.00	56.55 4.00 0.00	61.70 4.48 0.00	69.22 4.89 0.00	79.81 5.66 0.00	60.94 4.32 0.00	50.35 3.57 0.00	38.94 3.00 0.00	38.58 2.96 0.00	37.73 2.71 0.00
FARRAGUT___LBMP 323566	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.05 0.00	37.90 1.99 0.00	42.82 2.40 0.00	53.18 3.24 0.00	58.06 3.96 0.00	63.01 4.43 0.00	49.36 3.88 0.00	48.66 3.79 0.00	49.23 4.02 0.00	47.01 4.08 0.00	55.41 4.44 0.00	59.17 4.28 0.00	64.26 4.40 0.00	56.50 3.95 0.00	61.64 4.42 0.00	69.17 4.83 0.00	79.74 5.59 0.00	60.89 4.27 0.00	50.32 3.54 0.00	38.92 2.98 0.00	38.55 2.93 0.00	37.71 2.69 0.00
FENNER___WINDPWR 24204	34.09 0.21 0.00	35.89 0.29 0.00	36.45 0.31 0.00	36.18 0.26 0.00	40.78 0.36 0.00	50.43 0.47 -0.02	54.79 0.69 0.00	59.25 0.67 0.00	45.66 0.19 0.00	46.42 0.19 -1.36	45.98 0.32 -0.45	44.17 0.32 -0.92	51.36 0.39 0.00	58.32 0.57 -2.85	69.05 0.68 -8.51	57.37 0.76 -4.06	62.71 0.91 -4.58	65.21 0.86 -0.02	75.15 1.00 0.00	57.28 0.66 0.00	50.04 0.51 -2.74	37.12 0.38 -0.81	35.92 0.30 0.00	35.25 0.22 0.00
FIBERTEK___ENERGY 23856	33.33 -0.55 0.00	35.03 -0.57 0.00	35.59 -0.54 0.00	35.35 -0.57 0.00	39.84 -0.58 0.00	49.11 -0.84 0.00	53.32 -0.79 0.00	57.73 -0.85 0.00	44.66 -0.82 0.00	44.03 -0.84 0.00	44.41 -0.80 0.00	42.14 -0.78 0.00	50.14 -0.83 0.00	54.04 -0.86 0.00	58.85 -1.01 0.00	51.71 -0.84 0.00	56.33 -0.89 0.00	63.39 -0.94 0.00	73.10 -1.05 0.00	55.85 -0.77 0.00	46.06 -0.72 0.00	35.35 -0.58 0.00	35.00 -0.62 0.00	34.38 -0.65 0.00
FITZPATRICK___ 23598	32.53 -1.36 0.00	34.20 -1.40 0.00	34.73 -1.41 0.00	34.51 -1.40 0.00	38.83 -1.59 0.00	47.86 -2.08 0.00	51.89 -2.22 0.00	56.18 -2.40 0.00	43.57 -1.90 0.00	43.01 -1.87 0.00	43.34 -1.87 0.00	41.15 -1.78 0.00	48.87 -2.10 0.00	52.65 -2.25 0.00	57.36 -2.51 0.00	50.41 -2.14 0.00	54.90 -2.32 0.00	61.72 -2.62 0.00	71.19 -2.96 0.00	54.37 -2.25 0.00	44.89 -1.90 0.00	34.46 -1.47 0.00	34.14 -1.48 0.00	33.56 -1.46 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	35.97 2.08 0.00	37.73 2.13 0.00	38.27 2.14 0.00	38.02 2.10 0.00	42.91 2.49 0.00	53.22 3.29 0.00	58.06 3.95 0.00	63.03 4.45 0.00	49.15 3.68 0.00	48.36 3.49 0.00	48.86 3.65 0.00	46.60 3.68 0.00	55.16 4.20 0.00	59.01 4.12 0.00	64.13 4.26 0.00	56.46 3.91 0.00	61.54 4.32 0.00	69.11 4.78 0.00	79.72 5.57 0.00	60.85 4.23 0.00	50.28 3.49 0.00	38.79 2.85 0.00	38.41 2.79 0.00	37.59 2.57 0.00
FORT ORANGE___ 23900	35.02 1.14 0.00	36.80 1.19 0.00	37.38 1.25 0.00	37.22 1.30 0.00	41.82 1.39 0.00	51.78 1.84 0.00	56.24 2.13 0.00	60.70 2.12 0.00	47.12 1.65 0.00	46.21 1.34 0.00	46.39 1.18 0.00	44.18 1.26 0.00	52.64 1.68 0.00	56.59 1.69 0.00	61.80 1.94 0.00	54.57 2.02 0.00	59.29 2.07 0.00	66.43 2.10 0.00	76.67 2.52 0.00	58.59 1.96 0.00	48.50 1.72 0.00	37.29 1.35 0.00	36.91 1.29 0.00	36.34 1.31 0.00
FORT_DRUM_COGEN 23780	33.30 -0.58 0.00	34.84 -0.76 0.00	35.18 -0.95 0.00	35.10 -0.81 0.00	39.74 -0.68 0.00	48.91 -1.03 0.00	53.02 -1.09 0.00	57.13 -1.45 0.00	44.36 -1.12 0.00	44.08 -0.79 0.00	44.94 -0.27 0.00	42.16 -0.77 0.00	50.17 -0.80 0.00	54.38 -0.51 0.00	59.08 -0.78 0.00	51.67 -0.88 0.00	56.47 -0.75 0.00	63.70 -0.64 0.00	73.28 -0.88 0.00	55.11 -0.91 0.61	45.88 -0.90 0.00	35.22 -0.72 0.00	34.71 -0.91 0.00	33.99 -1.03 0.00
FOX_HILLS___ESR 323835	36.02 2.14 0.00	37.77 2.17 0.00	38.27 2.13 0.00	37.97 2.05 0.00	43.02 2.60 0.00	53.41 3.47 0.00	58.16 4.06 0.00	62.95 4.37 0.00	49.42 3.94 0.00	48.64 3.77 0.00	49.19 3.98 0.00	47.02 4.10 0.00	55.28 4.31 0.00	59.05 4.15 0.00	64.20 4.33 0.00	56.47 3.92 0.00	61.60 4.38 0.00	69.16 4.82 0.00	79.63 5.48 0.00	60.90 4.28 0.00	50.54 3.75 0.00	39.09 3.15 0.00	38.70 3.08 0.00	37.90 2.87 0.00
FPL_FAR_ROCK_GT1 24212	36.23 2.35 0.00	37.97 2.37 0.00	38.47 2.33 0.00	38.18 2.27 0.00	43.12 2.69 0.00	53.53 3.60 0.00	58.59 4.49 0.00	63.63 5.05 0.00	49.67 4.19 0.00	48.86 3.99 0.00	49.46 4.25 0.00	47.80 4.49 -0.39	55.59 4.62 0.00	59.78 4.88 0.00	65.00 5.13 0.00	60.98 4.62 -3.81	62.27 5.05 0.00	69.86 5.52 0.00	80.55 6.40 0.00	61.45 4.83 0.00	50.89 4.10 0.00	39.17 3.23 0.00	38.75 3.13 0.00	37.90 2.87 0.00
FPL_FAR_ROCK_GT2 23815	36.23 2.35 0.00	37.97 2.37 0.00	38.47 2.33 0.00	38.18 2.27 0.00	43.12 2.69 0.00	53.53 3.60 0.00	58.59 4.49 0.00	63.63 5.05 0.00	49.67 4.19 0.00	48.86 3.99 0.00	49.46 4.25 0.00	47.80 4.49 -0.39	55.59 4.62 0.00	59.78 4.88 0.00	65.00 5.13 0.00	60.98 4.62 -3.81	62.27 5.05 0.00	69.86 5.52 0.00	80.55 6.40 0.00	61.45 4.83 0.00	50.89 4.10 0.00	39.17 3.23 0.00	38.75 3.13 0.00	37.90 2.87 0.00
FRANKLIN_FALL_HYD 24054	34.43 0.55 0.00	36.11 0.51 0.00	36.35 0.21 0.00	36.07 0.15 0.00	40.64 0.22 0.00	50.44 0.50 0.00	54.26 0.15 0.00	58.86 0.28 0.00	45.64 0.17 0.00	45.43 0.56 0.00	46.64 1.44 0.00	43.80 0.88 0.00	51.86 0.89 0.00	56.38 1.48 0.00	60.90 1.03 0.00	52.91 0.36 0.00	57.47 0.25 0.00	65.24 0.91 0.00	74.44 0.29 10.11	46.49 -0.02 0.00	46.74 -0.05 0.00	35.79 -0.15 0.00	35.49 -0.13 0.00	34.96 -0.07 0.00



FREEPORT_EQUS_GT1 23764	35.91 2.02 0.00	37.62 2.02 0.00	38.10 1.97 0.00	37.83 1.91 0.00	42.72 2.30 0.00	53.12 3.18 0.00	58.14 4.03 0.00	63.03 4.45 0.00	49.37 3.90 0.00	48.50 3.63 0.00	49.09 3.88 0.00	47.36 4.11 -0.33	55.20 4.23 0.00	59.32 4.42 0.00	64.59 4.72 0.00	60.02 4.27 -3.21	61.69 4.47 0.00	69.17 4.83 0.00	79.77 5.62 0.00	61.05 4.43 0.00	50.57 3.79 0.00	38.89 2.96 0.00	38.48 2.86 0.00	37.63 2.61 0.00
FREEPORT___CT2 23818	35.91 2.02 0.00	37.62 2.02 0.00	38.10 1.97 0.00	37.83 1.91 0.00	42.72 2.30 0.00	53.12 3.18 0.00	58.14 4.03 0.00	63.03 4.45 0.00	49.37 3.90 0.00	48.50 3.63 0.00	49.09 3.88 0.00	47.36 4.11 -0.33	55.20 4.23 0.00	59.32 4.42 0.00	64.59 4.72 0.00	60.02 4.27 -3.21	61.69 4.47 0.00	69.17 4.83 0.00	79.77 5.62 0.00	61.05 4.43 0.00	50.57 3.79 0.00	38.89 2.96 0.00	38.48 2.86 0.00	37.63 2.61 0.00
FRESHKLS_33_KV_LOAD 356253	36.27 2.38 0.00	38.05 2.45 0.00	38.56 2.42 0.00	38.25 2.33 0.00	43.34 2.92 0.00	53.78 3.84 0.00	58.37 4.26 0.00	62.93 4.35 0.00	49.43 3.95 0.00	48.61 3.74 0.00	49.17 3.96 0.00	47.02 4.10 0.00	55.22 4.25 0.00	58.99 4.09 0.00	64.20 4.33 0.00	56.51 3.96 0.00	61.63 4.41 0.00	69.21 4.87 0.00	79.68 5.53 0.00	60.95 4.33 0.00	50.65 3.87 0.00	39.19 3.25 0.00	38.82 3.20 0.00	38.06 3.04 0.00
FULTON COGEN____ 23766	32.84 -1.04 0.00	34.53 -1.07 0.00	35.08 -1.06 0.00	34.85 -1.07 0.00	39.24 -1.19 0.00	48.31 -1.63 0.00	52.47 -1.64 0.00	56.82 -1.76 0.00	44.05 -1.43 0.00	43.44 -1.43 0.00	43.86 -1.35 0.00	41.60 -1.33 0.00	49.42 -1.54 0.00	53.29 -1.61 0.00	57.94 -1.92 0.00	50.98 -1.57 0.00	55.56 -1.65 0.00	62.42 -1.92 0.00	72.06 -2.10 0.00	55.03 -1.60 0.00	45.35 -1.44 0.00	34.86 -1.08 0.00	34.49 -1.13 0.00	33.88 -1.15 0.00
FULTON___LPGE 323630	34.66 0.78 0.00	36.43 0.83 0.00	36.98 0.85 0.00	36.78 0.86 0.00	41.39 0.96 0.00	51.27 1.33 0.00	55.60 1.50 0.00	59.97 1.39 0.00	45.52 0.05 0.00	44.80 -0.07 0.00	45.29 0.08 0.00	43.10 0.18 0.00	51.52 0.55 0.00	55.40 0.51 0.00	61.24 1.38 0.00	53.97 1.42 0.00	58.98 1.76 0.00	66.12 1.79 0.00	76.13 1.98 0.00	58.05 1.43 0.00	47.99 1.21 0.00	36.81 0.87 0.00	36.43 0.81 0.00	35.78 0.76 0.00
G.F.CEMENT___DRP 24184	35.65 1.77 0.00	37.41 1.81 0.00	37.81 1.67 0.00	37.82 1.91 0.00	42.48 2.06 0.00	52.84 2.90 0.00	57.34 3.23 0.00	61.47 2.89 0.00	47.21 1.74 0.00	46.01 1.13 0.00	46.25 1.05 0.00	44.13 1.21 0.00	53.04 2.07 0.00	56.81 1.92 0.00	62.50 2.64 0.00	55.26 2.71 0.00	60.08 2.86 0.00	67.53 3.19 0.00	78.04 3.89 0.00	59.68 3.06 0.00	49.33 2.54 0.00	37.70 1.76 0.00	37.32 1.70 0.00	36.88 1.85 0.00
GARDENVILLE___LBMP 24039	31.33 -2.55 0.00	33.06 -2.53 0.00	33.60 -2.53 0.00	33.15 -2.77 0.00	37.15 -3.27 0.00	42.18 -5.43 2.33	23.51 -6.41 24.19	52.13 -6.45 0.00	40.62 -4.86 0.00	38.41 -4.26 2.20	40.08 -4.39 0.73	36.77 -4.67 1.49	45.40 -5.57 0.00	44.35 -5.94 4.60	39.32 -6.70 13.84	39.47 -6.06 7.02	43.17 -6.20 7.85	57.66 -6.64 0.04	66.91 -7.24 0.00	51.20 -5.42 0.00	34.89 -5.24 6.65	29.77 -4.32 1.86	31.47 -4.15 0.00	31.02 -4.01 0.00
GARDNVLA_35_KV_LD 355827	31.54 -2.34 0.00	33.29 -2.31 0.00	33.81 -2.32 0.00	33.35 -2.57 0.00	37.40 -3.02 0.00	43.86 -5.15 0.93	38.65 -6.08 9.37	52.34 -6.24 0.00	40.83 -4.65 0.00	38.47 -4.05 2.35	40.28 -4.14 0.78	36.88 -4.45 1.60	45.66 -5.31 0.00	44.32 -5.65 4.92	38.62 -6.42 14.82	39.16 -5.81 7.58	42.81 -5.94 8.48	58.00 -6.30 0.04	67.32 -6.83 0.00	51.51 -5.11 0.00	36.18 -4.92 5.68	30.31 -4.00 1.63	31.77 -3.85 0.00	31.28 -3.74 0.00
GELCKHM___115KV_LOAD 80723	33.10 -0.78 0.00	34.80 -0.80 0.00	35.34 -0.79 0.00	35.12 -0.80 0.00	39.55 -0.88 0.00	48.71 -1.23 0.00	52.85 -1.26 0.00	57.23 -1.35 0.00	44.33 -1.15 0.00	43.75 -1.12 0.00	44.11 -1.10 0.00	41.85 -1.07 0.00	49.75 -1.22 0.00	53.62 -1.28 0.00	58.39 -1.47 0.00	51.31 -1.24 0.00	55.91 -1.31 0.00	62.89 -1.45 0.00	72.53 -1.62 0.00	55.40 -1.22 0.00	45.71 -1.08 0.00	35.09 -0.85 0.00	34.74 -0.88 0.00	34.13 -0.90 0.00
GENERAL___MILLS 23808	31.46 -2.42 0.00	33.20 -2.41 0.00	33.74 -2.40 0.00	33.27 -2.65 0.00	37.31 -3.11 0.00	43.53 -5.27 1.14	36.21 -6.24 11.66	52.20 -6.38 0.00	40.70 -4.77 0.00	38.35 -4.20 2.33	40.13 -4.31 0.77	36.75 -4.60 1.58	45.49 -5.48 0.00	44.18 -5.85 4.87	38.58 -6.62 14.67	39.07 -5.99 7.49	42.69 -6.15 8.38	57.75 -6.56 0.04	67.03 -7.12 0.00	51.28 -5.34 0.00	35.84 -5.12 5.83	30.14 -4.14 1.67	31.65 -3.96 0.00	31.18 -3.84 0.00
GE_PLASTICS___DRP 24183	34.83 0.95 0.00	36.60 1.00 0.00	37.20 1.06 0.00	37.02 1.10 0.00	41.60 1.18 0.00	51.48 1.54 0.00	55.86 1.76 0.00	60.34 1.76 0.00	46.89 1.42 0.00	46.09 1.22 0.00	46.37 1.16 0.00	44.16 1.23 0.00	52.51 1.55 0.00	56.42 1.53 0.00	61.61 1.74 0.00	54.25 1.70 0.00	58.92 1.70 0.00	66.01 1.67 0.00	76.17 2.02 0.00	58.22 1.60 0.00	48.21 1.42 0.00	37.08 1.14 0.00	36.73 1.11 0.00	36.15 1.12 0.00
GILBOA___1 23756	34.79 0.91 0.00	36.60 1.00 0.00	37.34 1.21 0.00	37.13 1.22 0.00	41.81 1.39 0.00	51.51 1.57 0.00	55.82 1.71 0.00	60.41 1.83 0.00	46.97 1.49 0.00	46.22 1.35 0.00	46.58 1.38 0.00	44.36 1.44 0.00	52.64 1.68 0.00	56.53 1.63 0.00	61.62 1.75 0.00	54.18 1.63 0.00	58.88 1.66 0.00	65.83 1.49 0.00	75.96 1.81 0.00	58.11 1.49 0.00	48.22 1.44 0.00	37.11 1.18 0.00	36.78 1.16 0.00	36.13 1.10 0.00
GILBOA___2 23757	34.79 0.91 0.00	36.60 1.00 0.00	37.34 1.21 0.00	37.13 1.22 0.00	41.81 1.39 0.00	51.51 1.57 0.00	55.82 1.71 0.00	60.41 1.83 0.00	46.97 1.49 0.00	46.22 1.35 0.00	46.58 1.38 0.00	44.36 1.44 0.00	52.64 1.68 0.00	56.53 1.63 0.00	61.62 1.75 0.00	54.18 1.63 0.00	58.88 1.66 0.00	65.83 1.49 0.00	75.96 1.81 0.00	58.11 1.49 0.00	48.22 1.44 0.00	37.11 1.18 0.00	36.78 1.16 0.00	36.13 1.10 0.00
GILBOA___3 23758	34.79 0.91 0.00	36.60 1.00 0.00	37.34 1.21 0.00	37.13 1.22 0.00	41.81 1.39 0.00	51.51 1.57 0.00	55.82 1.71 0.00	60.41 1.83 0.00	46.97 1.49 0.00	46.22 1.35 0.00	46.58 1.38 0.00	44.36 1.44 0.00	52.64 1.68 0.00	56.53 1.63 0.00	61.62 1.75 0.00	54.18 1.63 0.00	58.88 1.66 0.00	65.83 1.49 0.00	75.96 1.81 0.00	58.11 1.49 0.00	48.22 1.44 0.00	37.11 1.18 0.00	36.78 1.16 0.00	36.13 1.10 0.00
GILBOA___4 23759	34.79 0.91 0.00	36.60 1.00 0.00	37.34 1.21 0.00	37.13 1.22 0.00	41.81 1.39 0.00	51.51 1.57 0.00	55.82 1.71 0.00	60.41 1.83 0.00	46.97 1.49 0.00	46.22 1.35 0.00	46.58 1.38 0.00	44.36 1.44 0.00	52.64 1.68 0.00	56.53 1.63 0.00	61.62 1.75 0.00	54.18 1.63 0.00	58.88 1.66 0.00	65.83 1.49 0.00	75.96 1.81 0.00	58.11 1.49 0.00	48.22 1.44 0.00	37.11 1.18 0.00	36.78 1.16 0.00	36.13 1.10 0.00



GILBOA____ 23599	34.79 0.90 0.00	36.60 1.00 0.00	37.35 1.21 0.00	37.13 1.21 0.00	41.81 1.39 0.00	51.51 1.58 0.00	55.82 1.71 0.00	60.41 1.83 0.00	46.96 1.49 0.00	46.22 1.35 0.00	46.58 1.37 0.00	44.36 1.44 0.00	52.65 1.68 0.00	56.53 1.63 0.00	61.62 1.75 0.00	54.19 1.64 0.00	58.89 1.67 0.00	65.84 1.50 0.00	75.96 1.81 0.00	58.11 1.49 0.00	48.22 1.44 0.00	37.12 1.18 0.00	36.78 1.16 0.00	36.13 1.10 0.00
GINNA____ 23603	31.06 -2.82 0.00	32.71 -2.89 0.00	33.21 -2.93 0.00	32.92 -3.00 0.00	36.97 -3.45 0.00	44.94 -4.81 0.19	46.95 -5.30 1.85	52.83 -5.75 0.00	41.05 -4.43 0.00	40.02 -4.02 0.82	40.83 -4.11 0.27	38.33 -4.04 0.56	46.14 -4.83 0.00	48.05 -5.13 1.72	48.94 -5.76 5.16	45.03 -5.01 2.51	49.16 -5.26 2.80	58.64 -5.69 0.01	67.73 -6.42 0.00	51.76 -4.86 0.00	40.60 -4.36 1.83	31.88 -3.52 0.53	32.09 -3.53 0.00	31.53 -3.50 0.00
GLEN PARK____ 23778	33.33 -0.56 0.00	34.88 -0.72 0.00	35.21 -0.92 0.00	35.13 -0.79 0.00	39.78 -0.64 0.00	48.96 -0.98 0.00	53.12 -0.98 0.00	57.26 -1.33 0.00	44.46 -1.02 0.00	44.15 -0.73 0.00	44.92 -0.29 0.00	42.14 -0.78 0.00	50.22 -0.75 0.00	54.55 -0.35 0.00	59.22 -0.64 0.00	51.84 -0.71 0.00	56.66 -0.56 0.00	63.93 -0.41 0.00	73.56 -0.59 0.00	55.37 -0.68 0.58	46.03 -0.76 0.00	35.32 -0.61 0.00	34.78 -0.84 0.00	34.05 -0.98 0.00
GLENDALE_27_KV_LOAD 356172	35.99 2.11 0.00	37.72 2.12 0.00	38.19 2.05 0.00	37.90 1.98 0.00	42.93 2.52 0.00	53.36 3.42 0.00	58.26 4.15 0.00	63.19 4.61 0.00	49.57 4.10 0.00	48.89 4.01 0.00	49.45 4.24 0.00	47.23 4.31 0.00	55.61 4.64 0.00	59.35 4.45 0.00	64.45 4.59 0.00	56.66 4.11 0.00	61.83 4.61 0.00	69.33 4.99 0.00	79.92 5.76 0.00	61.05 4.42 0.00	50.53 3.74 0.00	39.13 3.19 0.00	38.73 3.11 0.00	37.87 2.85 0.00
GLENWOOD_IC_1_G5 23712	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.06 0.00	37.92 2.01 0.00	42.82 2.40 0.00	53.17 3.23 0.00	58.13 4.03 0.00	63.15 4.57 0.00	49.34 3.87 0.00	48.57 3.70 0.00	49.15 3.94 0.00	47.42 4.07 -0.42	55.30 4.33 0.00	59.29 4.39 0.00	64.47 4.60 0.00	60.79 4.15 -4.09	61.79 4.57 0.00	69.30 4.97 0.00	79.87 5.71 0.00	60.98 4.36 0.00	50.45 3.66 0.00	38.89 2.95 0.00	38.49 2.87 0.00	37.65 2.62 0.00
GLENWOOD_IC_2_G1 23688	35.87 1.99 0.00	37.60 2.00 0.00	38.11 1.98 0.00	37.84 1.92 0.00	42.71 2.29 0.00	53.03 3.09 0.00	57.94 3.83 0.00	62.92 4.34 0.00	49.18 3.70 0.00	48.41 3.54 0.00	48.99 3.78 0.00	46.84 3.90 -0.02	55.12 4.15 0.00	59.05 4.16 0.00	64.19 4.32 0.00	56.62 3.90 -0.17	61.52 4.30 0.00	69.01 4.67 0.00	79.57 5.41 0.00	60.74 4.12 0.00	50.24 3.45 0.00	38.77 2.83 0.00	38.39 2.77 0.00	37.56 2.53 0.00
GLENWOOD_IC_3_G1 23689	35.87 1.99 0.00	37.60 2.00 0.00	38.11 1.98 0.00	37.84 1.92 0.00	42.71 2.29 0.00	53.03 3.09 0.00	57.94 3.83 0.00	62.92 4.34 0.00	49.18 3.70 0.00	48.41 3.54 0.00	48.99 3.78 0.00	46.84 3.90 -0.02	55.12 4.15 0.00	59.05 4.16 0.00	64.19 4.32 0.00	56.62 3.90 -0.17	61.52 4.30 0.00	69.01 4.67 0.00	79.57 5.41 0.00	60.74 4.12 0.00	50.24 3.45 0.00	38.77 2.83 0.00	38.39 2.77 0.00	37.56 2.53 0.00
GLENWOOD____4 23550	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.06 0.00	37.92 2.01 0.00	42.82 2.40 0.00	53.17 3.23 0.00	58.13 4.03 0.00	63.15 4.57 0.00	49.34 3.87 0.00	48.57 3.70 0.00	49.15 3.94 0.00	47.42 4.07 -0.42	55.30 4.33 0.00	59.29 4.39 0.00	64.47 4.60 0.00	60.79 4.15 -4.09	61.79 4.57 0.00	69.30 4.97 0.00	79.87 5.71 0.00	60.98 4.36 0.00	50.45 3.66 0.00	38.89 2.95 0.00	38.49 2.87 0.00	37.65 2.62 0.00
GLENWOOD____5 23614	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.06 0.00	37.92 2.01 0.00	42.82 2.40 0.00	53.17 3.23 0.00	58.13 4.03 0.00	63.15 4.57 0.00	49.34 3.87 0.00	48.57 3.70 0.00	49.15 3.94 0.00	47.42 4.07 -0.42	55.30 4.33 0.00	59.29 4.39 0.00	64.47 4.60 0.00	60.79 4.15 -4.09	61.79 4.57 0.00	69.30 4.97 0.00	79.87 5.71 0.00	60.98 4.36 0.00	50.45 3.66 0.00	38.89 2.95 0.00	38.49 2.87 0.00	37.65 2.62 0.00
GLOBAL GREEN_PORT_GT1 23814	35.68 2.24 0.45	35.72 2.20 2.07	35.73 2.15 2.56	35.74 2.11 2.29	39.78 2.53 3.17	53.53 3.66 0.07	58.90 4.80 0.00	63.91 5.33 0.01	48.00 4.20 1.68	44.18 3.49 4.17	34.90 3.70 14.01	43.09 4.07 3.90	50.44 4.25 4.78	59.87 4.98 0.00	65.23 5.37 0.00	59.77 4.89 -2.33	59.97 5.04 2.29	61.77 4.43 7.00	74.53 5.40 5.02	61.21 4.59 0.00	50.76 3.97 0.00	38.33 2.39 0.00	37.39 1.77 0.00	36.09 1.27 0.20
GLOBE____DSASP 323697	30.28 -3.61 0.00	32.14 -3.46 0.00	32.64 -3.49 0.00	32.11 -3.80 0.00	35.81 -4.61 0.00	41.81 -7.18 0.94	36.28 -8.24 9.58	49.37 -9.21 0.00	38.56 -6.92 0.00	36.73 -6.09 2.05	38.28 -6.24 0.68	35.12 -6.41 1.39	43.16 -7.81 0.00	42.21 -8.39 4.29	38.35 -8.62 12.90	37.69 -8.38 6.48	41.54 -8.44 7.24	54.27 -10.03 0.03	62.92 -11.23 0.00	48.21 -8.41 0.00	34.75 -7.04 5.00	28.58 -5.93 1.43	29.81 -5.81 0.00	29.38 -5.65 0.00
GOETHSLN____LBMP 323567	35.81 1.93 0.00	37.54 1.94 0.00	38.03 1.89 0.00	37.74 1.82 0.00	42.65 2.22 0.00	52.96 3.02 0.00	57.87 3.77 0.00	62.87 4.28 0.00	49.25 3.78 0.00	48.54 3.67 0.00	49.11 3.91 0.00	46.89 3.97 0.00	55.28 4.32 0.00	59.03 4.14 0.00	64.12 4.26 0.00	56.37 3.82 0.00	61.48 4.26 0.00	69.00 4.66 0.00	79.54 5.39 0.00	60.73 4.11 0.00	50.19 3.41 0.00	38.82 2.88 0.00	38.47 2.85 0.00	37.62 2.60 0.00
GOLAH____69_KV_TB 1_2 80279	32.47 -1.41 0.00	34.24 -1.36 0.00	34.77 -1.37 0.00	34.41 -1.50 0.00	38.62 -1.81 0.00	46.63 -3.11 0.20	48.57 -3.61 1.93	54.86 -3.72 0.00	42.62 -2.86 0.00	41.14 -2.39 1.34	42.31 -2.46 0.45	39.40 -2.61 0.91	47.82 -3.15 0.00	48.78 -3.31 2.81	47.70 -3.75 8.41	45.19 -3.30 4.06	49.37 -3.32 4.53	60.94 -3.38 0.02	70.47 -3.68 0.00	53.89 -2.73 0.00	41.18 -2.72 2.88	32.80 -2.30 0.84	33.37 -2.25 0.00	32.78 -2.25 0.00
GOODYEAR_LAKE_HYD 323669	34.57 0.69 0.00	36.36 0.76 0.00	36.99 0.85 0.00	36.72 0.80 0.00	41.37 0.95 0.00	51.12 1.18 0.00	55.50 1.39 0.00	60.13 1.55 0.00	46.59 1.11 0.00	45.91 1.04 0.00	46.23 1.03 0.00	43.96 1.04 0.00	52.08 1.11 0.00	56.01 1.11 0.00	61.12 1.26 0.00	53.62 1.07 0.00	58.68 1.46 0.00	65.79 1.45 0.00	75.88 1.73 0.00	57.87 1.25 0.00	47.87 1.09 0.00	36.81 0.87 0.00	36.38 0.76 0.00	35.69 0.67 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	33.76 -0.12 0.00	35.50 -0.10 0.00	36.08 -0.05 0.00	35.78 -0.14 0.00	40.46 0.04 0.00	49.99 -0.19 -0.24	56.68 -0.11 -2.69	58.50 -0.08 0.00	45.19 -0.28 0.00	43.65 -0.42 0.80	44.50 -0.44 0.27	41.91 -0.48 0.54	50.57 -0.40 0.00	52.66 -0.56 1.68	54.22 -0.68 4.96	49.90 -0.47 2.18	54.48 -0.38 2.36	63.90 -0.42 0.01	73.88 -0.27 0.00	56.45 -0.17 0.00	45.46 -0.28 1.04	35.47 -0.15 0.32	35.45 -0.17 0.00	34.82 -0.20 0.00



GOUDEY___7 23579	33.76 -0.12 0.00	35.50 -0.10 0.00	36.08 -0.05 0.00	35.78 -0.14 0.00	40.46 0.04 0.00	49.99 -0.19 -0.24	56.68 -0.11 -2.69	58.50 -0.08 0.00	45.19 -0.28 0.00	43.65 -0.42 0.80	44.50 -0.44 0.27	41.91 -0.48 0.54	50.57 -0.40 0.00	52.66 -0.56 1.68	54.22 -0.68 4.96	49.90 -0.47 2.18	54.48 -0.38 2.36	63.90 -0.42 0.01	73.88 -0.27 0.00	56.45 -0.17 0.00	45.46 -0.28 1.04	35.47 -0.15 0.32	35.45 -0.17 0.00	34.82 -0.20 0.00
GOUDEY___8 23580	33.76 -0.12 0.00	35.50 -0.10 0.00	36.08 -0.05 0.00	35.78 -0.14 0.00	40.46 0.04 0.00	49.99 -0.19 -0.24	56.68 -0.11 -2.69	58.50 -0.08 0.00	45.19 -0.28 0.00	43.65 -0.42 0.80	44.50 -0.44 0.27	41.91 -0.48 0.54	50.57 -0.40 0.00	52.66 -0.56 1.68	54.22 -0.68 4.96	49.90 -0.47 2.18	54.48 -0.38 2.36	63.90 -0.42 0.01	73.88 -0.27 0.00	56.45 -0.17 0.00	45.46 -0.28 1.04	35.47 -0.15 0.32	35.45 -0.17 0.00	34.82 -0.20 0.00
GOWANUS_GT1_1 24077	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT1_2 24078	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT1_3 24079	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT1_4 24080	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT1_5 24084	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT1_6 24111	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT1_7 24112	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT1_8 24113	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT2_1 24114	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT2_2 24115	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT2_3 24116	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT2_4 24117	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT2_5 24118	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00



GOWANUS_GT2_6 24119	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT2_7 24120	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT2_8 24121	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_1 24122	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_2 24123	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_3 24124	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_4 24125	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_5 24126	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_6 24127	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_7 24128	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT3_8 24129	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
GOWANUS_GT4_1 24130	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT4_2 24131	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT4_3 24132	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT4_4 24133	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00



GOWANUS_GT4_5 24134	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT4_6 24135	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT4_7 24136	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GOWANUS_GT4_8 24137	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GREATVR_69_KV_BK1 356245	36.04 2.08 -0.08	37.97 1.99 -0.38	38.53 1.93 -0.47	38.22 1.88 -0.42	43.33 2.33 -0.58	53.35 3.40 -0.01	58.70 4.59 0.00	63.82 5.24 0.00	49.99 4.21 -0.30	49.46 3.83 -0.76	51.65 3.89 -2.55	48.19 4.26 -1.01	55.35 4.31 -0.07	59.50 4.60 0.00	64.90 5.04 0.00	59.62 4.63 -2.44	62.78 5.14 -0.42	71.06 5.45 -1.28	81.14 6.35 -0.64	61.47 4.84 0.00	51.03 4.24 0.00	39.10 3.17 0.00	38.64 3.03 0.00	37.77 2.71 -0.04
GREENBSH_115KV_TB3 55895	34.88 1.00 0.00	36.64 1.04 0.00	37.21 1.07 0.00	37.06 1.14 0.00	41.63 1.21 0.00	51.53 1.60 0.00	55.93 1.83 0.00	60.36 1.78 0.00	46.91 1.43 0.00	46.08 1.21 0.00	46.33 1.12 0.00	44.13 1.21 0.00	52.53 1.56 0.00	56.46 1.56 0.00	61.68 1.82 0.00	54.34 1.79 0.00	58.97 1.75 0.00	66.04 1.70 0.00	76.23 2.08 0.00	58.26 1.64 0.00	48.24 1.46 0.00	37.11 1.17 0.00	36.75 1.13 0.00	36.19 1.16 0.00
GREENDGE_115KV_TB5 80291	32.77 -1.11 0.00	34.37 -1.24 0.00	34.93 -1.21 0.00	34.45 -1.47 0.00	39.33 -1.09 0.00	50.48 -2.17 -2.70	81.40 -2.78 -30.08	56.52 -2.06 0.00	43.18 -2.30 0.00	30.51 -2.88 11.49	38.81 -2.57 3.82	32.79 -2.35 7.79	48.49 -2.48 0.00	27.44 -3.42 24.04	-14.82 -3.38 71.31	17.82 -2.67 32.06	18.25 -3.06 35.90	60.96 -3.22 0.16	71.04 -3.11 0.00	54.31 -2.31 0.00	25.75 -2.45 18.59	28.71 -1.61 5.62	34.00 -1.62 0.00	33.42 -1.61 0.00
GREENIDGE___3 23582	32.77 -1.11 0.00	34.37 -1.24 0.00	34.93 -1.21 0.00	34.45 -1.47 0.00	39.33 -1.09 0.00	50.48 -2.17 -2.70	81.40 -2.78 -30.08	56.52 -2.06 0.00	43.18 -2.30 0.00	30.51 -2.88 11.49	38.81 -2.57 3.82	32.79 -2.35 7.79	48.49 -2.48 0.00	27.44 -3.42 24.04	-14.82 -3.38 71.31	17.82 -2.67 32.06	18.25 -3.06 35.90	60.96 -3.22 0.16	71.04 -3.11 0.00	54.31 -2.31 0.00	25.75 -2.45 18.59	28.71 -1.61 5.62	34.00 -1.62 0.00	33.42 -1.61 0.00
GREENIDGE___4 23583	32.77 -1.11 0.00	34.37 -1.23 0.00	34.93 -1.21 0.00	34.45 -1.47 0.00	39.33 -1.09 0.00	50.48 -2.17 -2.70	81.38 -2.80 -30.08	56.52 -2.06 0.00	43.16 -2.31 0.00	30.48 -2.90 11.49	38.78 -2.61 3.82	32.72 -2.41 7.79	48.46 -2.50 0.00	27.29 -3.57 24.04	-15.13 -3.69 71.30	17.75 -2.74 32.06	18.05 -3.27 35.90	60.93 -3.25 0.16	71.03 -3.12 0.00	54.32 -2.30 0.00	25.69 -2.50 18.59	28.71 -1.61 5.62	34.00 -1.62 0.00	33.42 -1.61 0.00
GREENLWN_69_KV_BK 3 55738	35.39 1.50 0.00	37.12 1.52 0.00	37.62 1.49 0.00	37.36 1.44 0.00	42.18 1.76 0.00	52.33 2.39 0.00	57.29 3.19 0.00	62.33 3.75 0.00	48.62 3.15 0.00	47.77 2.90 0.00	48.43 3.22 0.00	46.71 3.54 -0.25	54.49 3.36 -0.17	58.41 3.51 0.00	63.59 3.72 0.00	58.42 3.46 -2.42	61.15 3.92 0.00	68.30 3.96 0.00	78.17 4.52 0.50	60.03 3.40 0.00	49.80 3.01 0.00	38.27 2.33 0.00	37.85 2.23 0.00	37.04 2.02 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00
GRISSOM___SOLAR 323813	34.86 0.97 0.00	36.63 1.03 0.00	37.19 1.06 0.00	36.99 1.08 0.00	41.64 1.21 0.00	51.59 1.65 0.00	55.98 1.87 0.00	60.31 1.73 0.00	45.67 0.20 0.00	44.89 0.02 0.00	45.37 0.16 0.00	43.23 0.31 0.00	51.80 0.84 0.00	55.70 0.80 0.00	61.59 1.73 0.00	54.36 1.82 0.00	59.31 2.09 0.00	66.52 2.18 0.00	76.61 2.46 0.00	58.43 1.81 0.00	48.30 1.52 0.00	37.06 1.12 0.00	36.68 1.06 0.00	36.04 1.01 0.00
GROVEVILLE___HYD 323602	35.97 2.08 0.00	37.73 2.13 0.00	38.27 2.14 0.00	38.02 2.10 0.00	42.91 2.49 0.00	53.22 3.29 0.00	58.06 3.95 0.00	63.03 4.45 0.00	49.15 3.68 0.00	48.36 3.49 0.00	48.86 3.65 0.00	46.60 3.68 0.00	55.16 4.20 0.00	59.01 4.12 0.00	64.13 4.26 0.00	56.46 3.91 0.00	61.54 4.32 0.00	69.11 4.78 0.00	79.72 5.57 0.00	60.85 4.23 0.00	50.28 3.49 0.00	38.79 2.85 0.00	38.41 2.79 0.00	37.59 2.57 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	33.33 -0.55 0.00	35.03 -0.57 0.00	35.59 -0.54 0.00	35.35 -0.57 0.00	39.84 -0.58 0.00	49.11 -0.84 0.00	53.32 -0.79 0.00	57.73 -0.85 0.00	44.66 -0.82 0.00	44.03 -0.84 0.00	44.41 -0.80 0.00	42.14 -0.78 0.00	50.14 -0.83 0.00	54.04 -0.86 0.00	58.85 -1.01 0.00	51.71 -0.84 0.00	56.33 -0.89 0.00	63.39 -0.94 0.00	73.10 -1.05 0.00	55.85 -0.77 0.00	46.06 -0.72 0.00	35.35 -0.58 0.00	35.00 -0.62 0.00	34.38 -0.65 0.00
HAMLTNNY_34_KV_TB 80303	33.35 -0.53 0.00	35.04 -0.56 0.00	35.62 -0.52 0.00	35.38 -0.54 0.00	39.87 -0.55 0.00	49.12 -0.82 0.00	53.29 -0.82 0.00	57.72 -0.86 0.00	44.62 -0.85 0.00	43.97 -0.90 0.00	44.35 -0.86 0.00	42.11 -0.82 0.00	50.06 -0.91 0.00	54.02 -0.88 0.00	58.86 -1.00 0.00	51.68 -0.87 0.00	56.32 -0.90 0.00	63.42 -0.92 0.00	73.23 -0.92 0.00	55.93 -0.69 0.00	46.11 -0.68 0.00	35.32 -0.62 0.00	34.98 -0.64 0.00	34.36 -0.67 0.00



HAMPSHIRE___PAPER_HYD 323593	34.00 0.11 0.00	35.62 0.02 0.00	36.01 -0.12 0.00	35.88 -0.04 0.00	40.49 0.07 0.00	49.90 -0.04 0.00	53.82 -0.28 0.00	58.18 -0.40 0.00	45.17 -0.31 0.00	45.10 0.23 0.00	46.91 1.70 0.00	43.86 0.93 0.00	51.98 1.01 0.00	55.10 0.20 0.00	60.11 0.24 0.00	52.41 -0.14 0.00	57.32 0.10 0.00	64.57 0.23 0.00	74.15 0.00 0.00	54.90 -0.19 1.54	46.61 -0.17 0.00	35.83 -0.11 0.00	35.54 -0.08 0.00	34.90 -0.13 0.00
HARDSCRABBLE_WT_PWR 323673	35.67 1.79 0.00	37.54 1.93 0.00	38.11 1.98 0.00	37.91 1.99 0.00	42.70 2.28 0.00	52.82 2.88 0.00	57.35 3.24 0.00	61.51 2.93 0.00	46.71 1.23 0.00	45.79 0.92 0.00	46.23 1.02 0.00	44.18 1.26 0.00	52.51 1.54 0.00	56.59 1.70 0.00	62.43 2.57 0.00	54.99 2.44 0.00	60.44 3.22 0.00	67.16 2.82 0.00	77.36 3.21 0.00	59.01 2.39 0.00	48.89 2.11 0.00	37.72 1.79 0.00	37.28 1.66 0.00	36.70 1.68 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	35.85 1.96 0.00	37.60 2.00 0.00	38.14 2.00 0.00	37.85 1.94 0.00	42.75 2.33 0.00	53.04 3.10 0.00	57.86 3.75 0.00	62.84 4.26 0.00	49.02 3.54 0.00	48.23 3.36 0.00	48.78 3.57 0.00	46.56 3.63 0.00	55.04 4.07 0.00	58.93 4.03 0.00	64.01 4.15 0.00	56.35 3.80 0.00	61.41 4.19 0.00	69.01 4.68 0.00	79.57 5.42 0.00	60.71 4.09 0.00	50.13 3.35 0.00	38.69 2.75 0.00	38.33 2.71 0.00	37.51 2.48 0.00
HARSNRAD_115KV_TB1 81005	31.15 -2.73 0.00	32.98 -2.63 0.00	33.49 -2.64 0.00	33.10 -2.82 0.00	36.94 -3.48 0.00	43.01 -5.93 1.00	36.64 -7.22 10.24	51.02 -7.56 0.00	39.79 -5.69 0.00	37.97 -4.96 1.94	39.47 -5.10 0.64	36.28 -5.33 1.31	44.53 -6.43 0.00	44.09 -6.75 4.05	40.06 -7.64 12.17	39.58 -6.89 6.08	43.31 -7.10 6.80	56.70 -7.61 0.03	65.72 -8.42 0.00	50.39 -6.24 0.00	36.18 -5.78 4.83	29.89 -4.67 1.38	31.15 -4.47 0.00	30.67 -4.35 0.00
HARZA MOOSE___RIVER 24016	33.94 0.06 0.00	35.61 0.01 0.00	36.06 -0.08 0.00	35.96 0.04 0.00	40.59 0.17 0.00	50.04 0.10 0.00	54.24 0.14 0.00	58.54 -0.04 0.00	45.29 -0.18 0.00	44.91 0.04 0.00	45.68 0.47 0.00	43.11 0.19 0.00	51.13 0.16 0.00	55.13 0.23 0.00	60.07 0.21 0.00	52.63 0.08 0.00	57.54 0.32 0.00	64.62 0.28 0.00	74.46 0.31 0.00	56.21 0.02 0.43	46.77 -0.01 0.00	35.89 -0.05 0.00	35.52 -0.10 0.00	34.82 -0.20 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	33.10 -0.78 0.00	34.81 -0.79 0.00	35.36 -0.78 0.00	35.12 -0.80 0.00	39.56 -0.86 0.00	48.75 -1.19 0.00	52.89 -1.21 0.00	57.28 -1.30 0.00	44.36 -1.11 0.00	43.76 -1.11 0.00	44.12 -1.08 0.00	41.88 -1.04 0.00	49.78 -1.19 0.00	53.66 -1.24 0.00	58.43 -1.43 0.00	51.33 -1.22 0.00	55.92 -1.30 0.00	62.88 -1.45 0.00	72.52 -1.64 0.00	55.38 -1.24 0.00	45.70 -1.09 0.00	35.12 -0.82 0.00	34.76 -0.86 0.00	34.14 -0.89 0.00
HELLGATE_13_KV_LD 55870	36.00 2.12 0.00	37.73 2.12 0.00	38.20 2.06 0.00	37.90 1.98 0.00	43.00 2.58 0.00	53.46 3.52 0.00	58.37 4.27 0.00	63.32 4.75 0.00	49.66 4.19 0.00	48.96 4.09 0.00	49.51 4.30 0.00	47.29 4.37 0.00	55.68 4.71 0.00	59.43 4.53 0.00	64.54 4.68 0.00	56.75 4.20 0.00	61.89 4.67 0.00	69.42 5.08 0.00	79.99 5.84 0.00	61.13 4.50 0.00	50.60 3.82 0.00	39.18 3.25 0.00	38.78 3.17 0.00	37.94 2.91 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	36.00 2.12 0.00	37.73 2.12 0.00	38.20 2.06 0.00	37.90 1.98 0.00	43.00 2.58 0.00	53.46 3.52 0.00	58.37 4.27 0.00	63.32 4.75 0.00	49.66 4.19 0.00	48.96 4.09 0.00	49.51 4.30 0.00	47.29 4.37 0.00	55.68 4.71 0.00	59.43 4.53 0.00	64.54 4.68 0.00	56.75 4.20 0.00	61.89 4.67 0.00	69.42 5.08 0.00	79.99 5.84 0.00	61.13 4.50 0.00	50.60 3.82 0.00	39.18 3.25 0.00	38.78 3.17 0.00	37.94 2.91 0.00
HEMPSTEAD____ 23647	35.72 1.84 0.00	37.44 1.84 0.00	37.93 1.80 0.00	37.67 1.76 0.00	42.53 2.11 0.00	52.85 2.91 0.00	57.84 3.73 0.00	62.81 4.23 0.00	49.09 3.62 0.00	48.26 3.39 0.00	48.85 3.65 0.00	47.15 3.86 -0.36	54.95 3.99 0.00	59.02 4.13 0.00	64.21 4.35 0.00	60.03 3.94 -3.54	61.50 4.27 0.00	68.93 4.59 0.00	79.44 5.28 0.00	60.66 4.04 0.00	50.24 3.45 0.00	38.68 2.74 0.00	38.27 2.65 0.00	37.43 2.40 0.00
HICKLING___1 23621	32.26 -1.62 0.00	33.86 -1.75 0.00	34.41 -1.72 0.00	33.89 -2.03 0.00	38.80 -1.62 0.00	48.08 -2.81 -0.96	61.41 -2.92 -10.22	56.12 -2.46 0.00	42.86 -2.61 0.00	32.97 -3.13 8.78	39.43 -2.86 2.92	33.96 -3.01 5.95	47.89 -3.08 0.00	32.61 -3.91 18.37	0.88 -4.46 54.52	24.34 -3.58 24.64	25.75 -3.89 27.58	60.25 -3.96 0.12	70.44 -3.71 0.00	53.83 -2.80 0.00	29.49 -3.06 14.24	29.42 -2.29 4.24	33.40 -2.22 0.00	32.87 -2.16 0.00
HICKLING___2 23622	32.26 -1.62 0.00	33.86 -1.75 0.00	34.41 -1.72 0.00	33.89 -2.03 0.00	38.80 -1.62 0.00	48.08 -2.81 -0.96	61.41 -2.92 -10.22	56.12 -2.46 0.00	42.86 -2.61 0.00	32.97 -3.13 8.78	39.43 -2.86 2.92	33.96 -3.01 5.95	47.89 -3.08 0.00	32.61 -3.91 18.37	0.88 -4.46 54.52	24.34 -3.58 24.64	25.75 -3.89 27.58	60.25 -3.96 0.12	70.44 -3.71 0.00	53.83 -2.80 0.00	29.49 -3.06 14.24	29.42 -2.29 4.24	33.40 -2.22 0.00	32.87 -2.16 0.00
HIGH FALLS___HY 23754	35.87 1.99 0.00	37.65 2.05 0.00	38.23 2.09 0.00	37.95 2.03 0.00	42.87 2.45 0.00	53.13 3.19 0.00	58.00 3.89 0.00	63.03 4.45 0.00	49.11 3.64 0.00	48.27 3.40 0.00	48.50 3.29 0.00	46.25 3.33 0.00	54.76 3.79 0.00	58.38 3.48 0.00	63.40 3.54 0.00	55.84 3.29 0.00	61.10 3.87 0.00	68.67 4.33 0.00	79.24 5.09 0.00	60.46 3.83 0.00	49.98 3.19 0.00	38.72 2.78 0.00	38.33 2.71 0.00	37.49 2.46 0.00
HIGH_RIVER___SOLAR 323847	34.76 0.88 0.00	36.52 0.92 0.00	37.08 0.95 0.00	36.89 0.97 0.00	41.50 1.08 0.00	51.40 1.46 0.00	55.76 1.66 0.00	60.01 1.43 0.00	45.72 0.25 0.00	44.90 0.03 0.00	45.27 0.07 0.00	43.15 0.22 0.00	51.39 0.42 0.00	55.24 0.34 0.00	61.06 1.19 0.00	54.03 1.48 0.00	59.03 1.81 0.00	66.23 1.89 0.00	76.31 2.16 0.00	58.22 1.60 0.00	48.14 1.35 0.00	36.92 0.98 0.00	36.55 0.93 0.00	35.93 0.90 0.00
HILLBURN___GT 23639	35.75 1.87 0.00	37.51 1.91 0.00	38.03 1.89 0.00	37.75 1.83 0.00	42.63 2.21 0.00	52.90 2.96 0.00	57.72 3.61 0.00	62.69 4.11 0.00	48.91 3.43 0.00	48.17 3.30 0.00	48.74 3.53 0.00	46.51 3.58 0.00	54.94 3.97 0.00	58.82 3.93 0.00	63.91 4.05 0.00	56.19 3.64 0.00	61.22 4.00 0.00	68.80 4.46 0.00	79.33 5.18 0.00	60.54 3.92 0.00	49.98 3.20 0.00	38.60 2.66 0.00	38.26 2.64 0.00	37.45 2.42 0.00
HILLSIDE_115KV_TB1 80332	32.02 -1.87 0.00	33.58 -2.02 0.00	34.15 -1.99 0.00	33.64 -2.28 0.00	38.62 -1.81 0.00	47.64 -3.07 -0.77	60.07 -3.16 -9.11	55.74 -2.84 0.00	42.63 -2.84 0.00	33.34 -3.32 8.21	39.39 -3.08 2.73	34.04 -3.31 5.57	47.57 -3.40 0.00	33.45 -4.27 17.18	3.90 -4.96 51.01	25.39 -4.04 23.12	26.98 -4.36 25.88	59.72 -4.50 0.11	69.79 -4.36 0.00	53.37 -3.25 0.00	29.85 -3.43 13.51	29.46 -2.46 4.02	33.28 -2.34 0.00	32.76 -2.27 0.00



HISHELDN_WT_PWR 323625	31.09 -2.79 0.00	32.76 -2.84 0.00	33.34 -2.79 0.00	32.86 -3.06 0.00	36.87 -3.55 0.00	40.43 -5.63 3.89	-0.17 -6.36 47.91	6.71 -5.50 46.37	3.44 -5.23 36.80	6.38 -6.00 32.50	-10.23 -5.60 49.84	-11.86 -5.37 49.41	-18.82 -5.99 63.80	-12.48 -7.21 60.17	-13.77 -7.89 65.74	-13.29 -6.32 59.52	-10.70 -7.18 60.74	-10.70 -7.62 67.42	48.14 -7.76 18.25	4.86 -5.91 45.85	5.93 -5.71 35.16	29.15 -4.61 2.18	31.19 -4.43 0.00	30.77 -4.26 0.00
HOLTSVILLE_IC_1 23690	35.48 1.63 0.04	37.03 1.60 0.16	37.47 1.54 0.20	37.23 1.50 0.18	42.00 1.83 0.25	52.62 2.69 0.01	57.83 3.72 0.00	62.84 4.26 0.00	48.81 3.47 0.13	47.61 3.07 0.33	47.30 3.21 1.11	46.35 3.51 0.09	52.80 3.37 1.54	58.56 3.67 0.00	63.82 3.96 0.00	58.51 3.64 -2.33	61.04 4.00 0.18	67.89 4.11 0.56	78.34 4.76 0.58	60.26 3.63 0.00	50.14 3.35 0.00	38.44 2.51 0.00	38.03 2.41 0.00	37.15 2.14 0.02
HOLTSVILLE_IC_10 23699	35.79 1.72 -0.19	38.16 1.68 -0.88	38.83 1.61 -1.09	38.46 1.57 -0.97	43.70 1.93 -1.35	52.79 2.82 -0.03	58.01 3.91 0.00	63.06 4.48 0.00	49.83 3.64 -0.72	49.89 3.24 -1.78	54.55 3.37 -5.97	48.59 3.66 -2.01	54.79 3.54 -0.28	58.76 3.86 0.00	64.06 4.20 0.00	58.77 3.87 -2.35	62.46 4.27 -0.98	71.76 4.44 -2.98	81.07 5.13 -1.79	60.52 3.90 0.00	50.36 3.57 0.00	38.59 2.66 0.00	38.16 2.54 0.00	37.37 2.26 -0.09
HOLTSVILLE_IC_2 23691	35.48 1.63 0.04	37.03 1.60 0.16	37.47 1.54 0.20	37.23 1.50 0.18	42.00 1.83 0.25	52.62 2.69 0.01	57.83 3.72 0.00	62.84 4.26 0.00	48.81 3.47 0.13	47.61 3.07 0.33	47.30 3.21 1.11	46.35 3.51 0.09	52.80 3.37 1.54	58.56 3.67 0.00	63.82 3.96 0.00	58.51 3.64 -2.33	61.04 4.00 0.18	67.89 4.11 0.56	78.34 4.76 0.58	60.26 3.63 0.00	50.14 3.35 0.00	38.44 2.51 0.00	38.03 2.41 0.00	37.15 2.14 0.02
HOLTSVILLE_IC_3 23692	35.48 1.63 0.04	37.03 1.60 0.16	37.47 1.54 0.20	37.23 1.50 0.18	42.00 1.83 0.25	52.62 2.69 0.01	57.83 3.72 0.00	62.84 4.26 0.00	48.81 3.47 0.13	47.61 3.07 0.33	47.30 3.21 1.11	46.35 3.51 0.09	52.80 3.37 1.54	58.56 3.67 0.00	63.82 3.96 0.00	58.51 3.64 -2.33	61.04 4.00 0.18	67.89 4.11 0.56	78.34 4.76 0.58	60.26 3.63 0.00	50.14 3.35 0.00	38.44 2.51 0.00	38.03 2.41 0.00	37.15 2.14 0.02
HOLTSVILLE_IC_4 23693	35.48 1.63 0.04	37.03 1.60 0.16	37.47 1.54 0.20	37.23 1.50 0.18	42.00 1.83 0.25	52.62 2.69 0.01	57.83 3.72 0.00	62.84 4.26 0.00	48.81 3.47 0.13	47.61 3.07 0.33	47.30 3.21 1.11	46.35 3.51 0.09	52.80 3.37 1.54	58.56 3.67 0.00	63.82 3.96 0.00	58.51 3.64 -2.33	61.04 4.00 0.18	67.89 4.11 0.56	78.34 4.76 0.58	60.26 3.63 0.00	50.14 3.35 0.00	38.44 2.51 0.00	38.03 2.41 0.00	37.15 2.14 0.02
HOLTSVILLE_IC_5 23694	35.48 1.63 0.04	37.03 1.60 0.16	37.47 1.54 0.20	37.23 1.50 0.18	42.00 1.83 0.25	52.62 2.69 0.01	57.83 3.72 0.00	62.84 4.26 0.00	48.81 3.47 0.13	47.61 3.07 0.33	47.30 3.21 1.11	46.35 3.51 0.09	52.80 3.37 1.54	58.56 3.67 0.00	63.82 3.96 0.00	58.51 3.64 -2.33	61.04 4.00 0.18	67.89 4.11 0.56	78.34 4.76 0.58	60.26 3.63 0.00	50.14 3.35 0.00	38.44 2.51 0.00	38.03 2.41 0.00	37.15 2.14 0.02
HOLTSVILLE_IC_6 23695	35.79 1.72 -0.19	38.16 1.68 -0.88	38.83 1.61 -1.09	38.46 1.57 -0.97	43.70 1.93 -1.35	52.79 2.82 -0.03	58.01 3.91 0.00	63.06 4.48 0.00	49.83 3.64 -0.72	49.89 3.24 -1.78	54.55 3.37 -5.97	48.59 3.66 -2.01	54.79 3.54 -0.28	58.76 3.86 0.00	64.06 4.20 0.00	58.77 3.87 -2.35	62.46 4.27 -0.98	71.76 4.44 -2.98	81.07 5.13 -1.79	60.52 3.90 0.00	50.36 3.57 0.00	38.59 2.66 0.00	38.16 2.54 0.00	37.37 2.26 -0.09
HOLTSVILLE_IC_7 23696	35.79 1.72 -0.19	38.16 1.68 -0.88	38.83 1.61 -1.09	38.46 1.57 -0.97	43.70 1.93 -1.35	52.79 2.82 -0.03	58.01 3.91 0.00	63.06 4.48 0.00	49.83 3.64 -0.72	49.89 3.24 -1.78	54.55 3.37 -5.97	48.59 3.66 -2.01	54.79 3.54 -0.28	58.76 3.86 0.00	64.06 4.20 0.00	58.77 3.87 -2.35	62.46 4.27 -0.98	71.76 4.44 -2.98	81.07 5.13 -1.79	60.52 3.90 0.00	50.36 3.57 0.00	38.59 2.66 0.00	38.16 2.54 0.00	37.37 2.26 -0.09
HOLTSVILLE_IC_8 23697	35.79 1.72 -0.19	38.16 1.68 -0.88	38.83 1.61 -1.09	38.46 1.57 -0.97	43.70 1.93 -1.35	52.79 2.82 -0.03	58.01 3.91 0.00	63.06 4.48 0.00	49.83 3.64 -0.72	49.89 3.24 -1.78	54.55 3.37 -5.97	48.59 3.66 -2.01	54.79 3.54 -0.28	58.76 3.86 0.00	64.06 4.20 0.00	58.77 3.87 -2.35	62.46 4.27 -0.98	71.76 4.44 -2.98	81.07 5.13 -1.79	60.52 3.90 0.00	50.36 3.57 0.00	38.59 2.66 0.00	38.16 2.54 0.00	37.37 2.26 -0.09
HOLTSVILLE_IC_9 23698	35.79 1.72 -0.19	38.16 1.68 -0.88	38.83 1.61 -1.09	38.46 1.57 -0.97	43.70 1.93 -1.35	52.79 2.82 -0.03	58.01 3.91 0.00	63.06 4.48 0.00	49.83 3.64 -0.72	49.89 3.24 -1.78	54.55 3.37 -5.97	48.59 3.66 -2.01	54.79 3.54 -0.28	58.76 3.86 0.00	64.06 4.20 0.00	58.77 3.87 -2.35	62.46 4.27 -0.98	71.76 4.44 -2.98	81.07 5.13 -1.79	60.52 3.90 0.00	50.36 3.57 0.00	38.59 2.66 0.00	38.16 2.54 0.00	37.37 2.26 -0.09
HOMER_HL_115KV_TB2 355744	32.09 -1.79 0.00	33.79 -1.80 0.00	34.31 -1.83 0.00	33.84 -2.08 0.00	38.39 -2.03 0.00	46.51 -3.37 0.06	50.33 -3.78 0.00	54.89 -3.69 0.00	42.77 -2.71 0.00	39.39 -2.52 2.96	41.44 -2.78 0.98	38.68 -3.05 1.19	47.46 -3.50 0.00	44.56 -4.15 6.19	36.26 -4.65 18.96	37.11 -4.45 10.99	40.57 -4.35 12.30	59.63 -4.65 0.05	69.48 -4.67 0.00	53.14 -3.48 0.00	36.25 -3.62 6.91	30.92 -2.89 2.13	32.96 -2.66 0.00	32.45 -2.57 0.00
HOWARD_WT_PWR 323690	31.43 -2.45 0.00	32.93 -2.67 0.00	33.32 -2.81 0.00	32.84 -3.07 0.00	37.14 -3.28 0.00	49.21 -4.68 -3.95	91.97 -5.12 -42.99	54.09 -4.48 0.00	40.95 -4.52 0.00	29.76 -5.36 9.75	36.92 -5.05 3.24	31.37 -4.95 6.61	45.16 -5.80 0.00	27.48 -7.03 20.39	-7.48 -7.44 59.90	22.61 -5.47 24.47	23.45 -6.37 27.40	57.72 -6.50 0.12	67.85 -6.30 0.00	51.89 -4.73 0.00	28.74 -4.80 13.24	27.73 -4.08 4.12	31.62 -4.00 0.00	31.15 -3.88 0.00
HQ_GEN_CEDARS 23644	34.60 0.72 0.00	36.30 0.71 0.00	36.74 0.61 0.00	36.50 0.58 0.00	41.11 0.69 0.00	50.98 1.04 0.00	54.96 0.85 0.00	59.62 1.04 0.00	46.33 0.86 0.00	46.23 1.36 0.00	49.76 4.55 0.00	46.42 3.50 0.00	54.61 3.64 0.00	55.98 1.09 0.00	61.33 1.46 0.00	53.49 0.94 0.00	58.38 1.16 0.00	65.95 1.62 0.00	75.68 1.53 0.00	57.07 1.10 0.64	47.69 0.90 0.00	36.57 0.63 0.00	36.29 0.67 0.00	35.74 0.72 0.00
HQ_GEN_CEDARS_PROXY 323590	34.60 0.72 0.00	36.30 0.70 0.00	36.74 0.61 0.00	36.50 0.58 0.00	41.11 0.69 0.00	50.98 1.04 0.00	54.96 0.86 0.00	59.62 1.04 0.00	46.33 0.86 0.00	46.23 1.36 0.00	49.75 4.54 0.00	46.41 3.49 0.00	54.62 3.65 0.00	55.98 1.09 0.00	61.32 1.46 0.00	53.49 0.94 0.00	58.39 1.18 0.00	65.95 1.61 0.00	75.67 1.52 0.00	57.52 1.10 0.20	47.69 0.90 0.00	36.57 0.63 0.00	36.29 0.67 0.00	35.74 0.72 0.00



HQ_GEN_IMPORT 323601	34.09 0.20 0.00	35.79 0.19 0.00	36.28 0.14 0.00	36.03 0.12 0.00	40.56 0.14 0.00	50.22 0.28 0.00	54.28 0.18 0.00	58.85 0.27 0.00	45.72 0.25 0.00	45.20 0.34 0.00	45.53 0.33 0.00	43.13 0.21 0.00	51.21 0.24 0.00	55.25 0.36 0.00	60.28 0.42 0.00	52.76 0.22 0.00	57.49 0.27 0.00	64.84 0.50 0.00	74.58 0.43 0.00	56.91 0.29 0.00	46.99 0.21 0.00	36.07 0.14 0.00	35.78 0.16 0.00	35.22 0.19 0.00
HQ_GEN_WHEEL 23651	34.09 0.20 0.00	35.79 0.19 0.00	36.28 0.14 0.00	36.03 0.12 0.00	40.56 0.14 0.00	50.22 0.28 0.00	54.28 0.18 0.00	58.85 0.27 0.00	45.72 0.25 0.00	45.20 0.34 0.00	45.53 0.33 0.00	43.13 0.21 0.00	51.21 0.24 0.00	55.25 0.36 0.00	60.28 0.42 0.00	52.76 0.22 0.00	57.49 0.27 0.00	64.84 0.50 0.00	74.58 0.43 0.00	56.91 0.29 0.00	46.99 0.21 0.00	36.07 0.14 0.00	35.78 0.16 0.00	35.22 0.19 0.00
HUDSON AVE_GT_3 23810	36.01 2.13 0.00	37.75 2.15 0.00	38.23 2.10 0.00	37.95 2.03 0.00	42.88 2.46 0.00	53.25 3.32 0.00	58.16 4.06 0.00	63.13 4.54 0.00	49.45 3.97 0.00	48.75 3.88 0.00	49.32 4.12 0.00	47.09 4.17 0.00	55.51 4.54 0.00	59.28 4.39 0.00	64.38 4.52 0.00	56.61 4.06 0.00	61.76 4.54 0.00	69.30 4.96 0.00	79.89 5.74 0.00	61.00 4.38 0.00	50.41 3.63 0.00	38.99 3.05 0.00	38.62 3.00 0.00	37.77 2.74 0.00
HUDSON AVE_GT_4 23540	36.01 2.13 0.00	37.75 2.15 0.00	38.23 2.10 0.00	37.95 2.03 0.00	42.88 2.46 0.00	53.25 3.32 0.00	58.16 4.06 0.00	63.13 4.54 0.00	49.45 3.97 0.00	48.75 3.88 0.00	49.32 4.12 0.00	47.09 4.17 0.00	55.51 4.54 0.00	59.28 4.39 0.00	64.38 4.52 0.00	56.61 4.06 0.00	61.76 4.54 0.00	69.30 4.96 0.00	79.89 5.74 0.00	61.00 4.38 0.00	50.41 3.63 0.00	38.99 3.05 0.00	38.62 3.00 0.00	37.77 2.74 0.00
HUDSON AVE_GT_5 23657	36.01 2.13 0.00	37.75 2.15 0.00	38.23 2.10 0.00	37.95 2.03 0.00	42.88 2.46 0.00	53.25 3.32 0.00	58.16 4.06 0.00	63.13 4.54 0.00	49.45 3.97 0.00	48.75 3.88 0.00	49.32 4.12 0.00	47.09 4.17 0.00	55.51 4.54 0.00	59.28 4.39 0.00	64.38 4.52 0.00	56.61 4.06 0.00	61.76 4.54 0.00	69.30 4.96 0.00	79.89 5.74 0.00	61.00 4.38 0.00	50.41 3.63 0.00	38.99 3.05 0.00	38.62 3.00 0.00	37.77 2.74 0.00
HUDSON_AVE_10 24168	35.86 1.97 0.00	37.58 1.98 0.00	38.06 1.93 0.00	37.78 1.86 0.00	42.70 2.28 0.00	53.02 3.09 0.00	57.94 3.84 0.00	62.93 4.35 0.00	49.30 3.83 0.00	48.62 3.74 0.00	49.20 3.99 0.00	46.99 4.06 0.00	55.40 4.43 0.00	59.13 4.24 0.00	64.20 4.33 0.00	56.42 3.87 0.00	61.56 4.35 0.00	69.08 4.75 0.00	79.65 5.50 0.00	60.82 4.20 0.00	50.25 3.46 0.00	38.88 2.94 0.00	38.52 2.90 0.00	37.66 2.63 0.00
HUDSON___115KV_TB 4 355613	35.36 1.48 0.00	37.15 1.55 0.00	37.75 1.62 0.00	37.60 1.68 0.00	42.25 1.83 0.00	52.34 2.40 0.00	56.93 2.82 0.00	61.53 2.95 0.00	47.63 2.15 0.00	46.58 1.71 0.00	46.56 1.36 0.00	44.30 1.38 0.00	52.93 1.96 0.00	56.93 2.03 0.00	62.09 2.23 0.00	55.17 2.62 0.00	60.06 2.83 0.00	67.36 3.03 0.00	77.71 3.56 0.00	59.34 2.72 0.00	49.09 2.31 0.00	37.69 1.75 0.00	37.26 1.64 0.00	36.66 1.63 0.00
HUNTER MOUNT___DRP 323613	35.41 1.53 0.00	37.21 1.61 0.00	37.82 1.68 0.00	37.67 1.75 0.00	42.32 1.90 0.00	52.43 2.50 0.00	57.04 2.94 0.00	61.71 3.13 0.00	47.72 2.24 0.00	46.58 1.70 0.00	46.50 1.29 0.00	44.22 1.30 0.00	52.90 1.93 0.00	56.94 2.04 0.00	62.16 2.29 0.00	55.32 2.77 0.00	60.20 2.97 0.00	67.53 3.19 0.00	77.88 3.73 0.00	59.45 2.83 0.00	49.18 2.39 0.00	37.70 1.77 0.00	37.26 1.64 0.00	36.67 1.64 0.00
HUNTINGTON_RES_REC 323705	35.47 1.55 -0.04	37.32 1.54 -0.17	37.84 1.49 -0.21	37.56 1.45 -0.19	42.45 1.77 -0.27	52.45 2.51 -0.01	57.55 3.44 0.00	62.60 4.02 0.00	48.93 3.32 -0.14	48.22 3.00 -0.35	49.58 3.20 -1.17	47.05 3.54 -0.59	52.33 3.35 2.00	58.47 3.57 0.00	63.72 3.86 0.00	58.52 3.60 -2.38	61.47 4.06 -0.19	69.10 4.17 -0.59	78.58 4.79 0.36	60.23 3.61 0.00	50.02 3.23 0.00	38.39 2.45 0.00	37.95 2.33 0.00	37.12 2.08 -0.02
HUNTLEY___63 23557	31.15 -2.73 0.00	32.98 -2.62 0.00	33.49 -2.65 0.00	33.03 -2.89 0.00	36.93 -3.50 0.00	43.12 -5.82 0.99	37.12 -6.87 10.12	51.25 -7.32 0.00	39.98 -5.49 0.00	38.01 -4.76 2.10	39.63 -4.88 0.70	36.37 -5.14 1.42	44.76 -6.21 0.00	43.94 -6.57 4.39	39.50 -7.17 13.19	39.17 -6.73 6.66	42.96 -6.82 7.44	56.74 -7.56 0.03	65.77 -8.38 0.00	50.35 -6.27 0.00	36.00 -5.62 5.17	29.79 -4.67 1.48	31.10 -4.52 0.00	30.63 -4.40 0.00
HUNTLEY___64 23558	31.15 -2.73 0.00	32.98 -2.62 0.00	33.49 -2.65 0.00	33.03 -2.89 0.00	36.93 -3.50 0.00	43.12 -5.82 0.99	37.12 -6.87 10.12	51.25 -7.32 0.00	39.98 -5.49 0.00	38.01 -4.76 2.10	39.63 -4.88 0.70	36.37 -5.14 1.42	44.76 -6.21 0.00	43.94 -6.57 4.39	39.50 -7.17 13.19	39.17 -6.73 6.66	42.96 -6.82 7.44	56.74 -7.56 0.03	65.77 -8.38 0.00	50.35 -6.27 0.00	36.00 -5.62 5.17	29.79 -4.67 1.48	31.10 -4.52 0.00	30.63 -4.40 0.00
HUNTLEY___65 23559	31.15 -2.73 0.00	32.98 -2.62 0.00	33.49 -2.65 0.00	33.03 -2.89 0.00	36.93 -3.50 0.00	43.12 -5.82 0.99	37.12 -6.87 10.12	51.25 -7.32 0.00	39.98 -5.49 0.00	38.01 -4.76 2.10	39.63 -4.88 0.70	36.37 -5.14 1.42	44.76 -6.21 0.00	43.94 -6.57 4.39	39.50 -7.17 13.19	39.17 -6.73 6.66	42.96 -6.82 7.44	56.74 -7.56 0.03	65.77 -8.38 0.00	50.35 -6.27 0.00	36.00 -5.62 5.17	29.79 -4.67 1.48	31.10 -4.52 0.00	30.63 -4.40 0.00
HUNTLEY___66 23560	31.15 -2.73 0.00	32.98 -2.62 0.00	33.49 -2.65 0.00	33.03 -2.89 0.00	36.93 -3.50 0.00	43.12 -5.82 0.99	37.12 -6.87 10.12	51.25 -7.32 0.00	39.98 -5.49 0.00	38.01 -4.76 2.10	39.63 -4.88 0.70	36.37 -5.14 1.42	44.76 -6.21 0.00	43.94 -6.57 4.39	39.50 -7.17 13.19	39.17 -6.73 6.66	42.96 -6.82 7.44	56.74 -7.56 0.03	65.77 -8.38 0.00	50.35 -6.27 0.00	36.00 -5.62 5.17	29.79 -4.67 1.48	31.10 -4.52 0.00	30.63 -4.40 0.00
HUNTLEY___67 23561	31.19 -2.70 0.00	32.96 -2.65 0.00	33.48 -2.66 0.00	33.03 -2.89 0.00	36.98 -3.44 0.00	43.26 -5.74 0.94	37.68 -6.85 9.58	51.48 -7.10 0.00	40.14 -5.33 0.00	38.02 -4.71 2.14	39.64 -4.86 0.71	36.38 -5.09 1.45	44.86 -6.11 0.00	43.93 -6.49 4.48	39.09 -7.31 13.46	39.19 -6.58 6.78	42.86 -6.78 7.58	56.99 -7.31 0.03	66.12 -8.03 0.00	50.64 -5.98 0.00	36.02 -5.58 5.19	29.96 -4.49 1.49	31.32 -4.30 0.00	30.85 -4.17 0.00
HUNTLEY___68 23562	31.19 -2.70 0.00	32.96 -2.65 0.00	33.48 -2.66 0.00	33.03 -2.89 0.00	36.98 -3.44 0.00	43.26 -5.74 0.94	37.68 -6.85 9.58	51.48 -7.10 0.00	40.14 -5.33 0.00	38.02 -4.71 2.14	39.64 -4.86 0.71	36.38 -5.09 1.45	44.86 -6.11 0.00	43.93 -6.49 4.48	39.09 -7.31 13.46	39.19 -6.58 6.78	42.86 -6.78 7.58	56.99 -7.31 0.03	66.12 -8.03 0.00	50.64 -5.98 0.00	36.02 -5.58 5.19	29.96 -4.49 1.49	31.32 -4.30 0.00	30.85 -4.17 0.00



HYLAND___LFGE 323620	33.31 -0.57 0.00	35.06 -0.54 0.00	35.56 -0.57 0.00	35.13 -0.79 0.00	39.60 -0.82 0.00	52.52 -1.65 -4.23	98.11 -1.55 -45.55	57.43 -1.15 0.00	43.42 -2.05 0.00	37.06 -2.14 5.67	41.59 -1.73 1.88	36.99 -2.09 3.84	48.36 -2.60 0.00	39.84 -3.19 11.86	21.66 -3.17 35.04	35.05 -2.30 15.20	38.14 -2.07 17.01	62.87 -1.39 0.08	73.29 -0.86 0.00	55.99 -0.63 0.00	38.19 -1.15 7.44	32.29 -1.24 2.41	34.35 -1.27 0.00	33.70 -1.33 0.00
INDECK___CORINTH 23802	35.16 1.28 0.00	36.90 1.30 0.00	37.30 1.16 0.00	37.32 1.40 0.00	41.92 1.50 0.00	52.11 2.17 0.00	56.50 2.39 0.00	60.59 2.01 0.00	46.57 1.09 0.00	45.41 0.54 0.00	45.69 0.49 0.00	43.61 0.68 0.00	52.34 1.37 0.00	56.05 1.15 0.00	61.65 1.78 0.00	54.50 1.95 0.00	59.25 2.03 0.00	66.59 2.25 0.00	76.92 2.77 0.00	58.82 2.20 0.00	48.65 1.86 0.00	37.20 1.26 0.00	36.84 1.22 0.00	36.41 1.38 0.00
INDECK___ILION 23567	34.92 1.04 0.00	36.71 1.11 0.00	37.27 1.14 0.00	37.07 1.15 0.00	41.75 1.33 0.00	51.60 1.66 0.00	56.02 1.91 0.00	60.33 1.75 0.00	46.28 0.81 0.00	45.49 0.62 0.00	45.86 0.66 0.00	43.73 0.80 0.00	51.99 1.02 0.00	55.98 1.08 0.00	61.42 1.56 0.00	54.07 1.52 0.00	59.13 1.92 0.00	66.07 1.74 0.00	76.17 2.02 0.00	58.13 1.51 0.00	48.11 1.32 0.00	37.04 1.10 0.00	36.64 1.02 0.00	36.03 1.01 0.00
INDECK___OLEAN 23982	32.09 -1.79 0.00	33.80 -1.80 0.00	34.31 -1.83 0.00	33.84 -2.08 0.00	38.39 -2.04 0.00	46.51 -3.37 0.06	50.36 -3.75 0.00	54.89 -3.69 0.00	42.75 -2.72 0.00	39.40 -2.52 2.96	41.43 -2.79 0.98	38.66 -3.07 1.19	47.46 -3.51 0.00	44.54 -4.17 6.19	36.18 -4.72 18.96	37.09 -4.47 10.99	40.46 -4.46 12.30	59.62 -4.66 0.05	69.47 -4.68 0.00	53.15 -3.47 0.00	36.22 -3.66 6.91	30.92 -2.90 2.13	32.96 -2.66 0.00	32.45 -2.57 0.00
INDECK___OSWEGO 23783	32.69 -1.18 0.00	34.36 -1.24 0.00	34.89 -1.24 0.00	34.69 -1.23 0.00	39.04 -1.38 0.00	48.08 -1.86 0.00	52.19 -1.92 0.00	56.48 -2.10 0.00	43.80 -1.68 0.00	43.21 -1.66 0.00	43.61 -1.60 0.00	41.36 -1.56 0.00	49.16 -1.81 0.00	52.99 -1.91 0.00	57.67 -2.20 0.00	50.70 -1.85 0.00	55.24 -1.98 0.00	62.08 -2.26 0.00	71.63 -2.52 0.00	54.71 -1.91 0.00	45.12 -1.67 0.00	34.68 -1.26 0.00	34.33 -1.29 0.00	33.71 -1.32 0.00
INDECK___YERKES 23781	31.18 -2.70 0.00	32.99 -2.61 0.00	33.52 -2.61 0.00	33.06 -2.86 0.00	36.95 -3.47 0.00	43.16 -5.78 0.99	37.21 -6.78 10.12	51.29 -7.29 0.00	40.01 -5.46 0.00	38.05 -4.72 2.10	39.66 -4.85 0.70	36.41 -5.09 1.42	44.82 -6.15 0.00	44.01 -6.50 4.39	39.48 -7.19 13.19	39.23 -6.66 6.66	42.90 -6.88 7.44	56.81 -7.50 0.03	65.82 -8.33 0.00	50.43 -6.20 0.00	35.98 -5.64 5.17	29.82 -4.64 1.48	31.13 -4.49 0.00	30.65 -4.38 0.00
INDIAN POINT_GT_1 24139	35.69 1.81 0.00	37.44 1.84 0.00	37.95 1.82 0.00	37.68 1.77 0.00	42.54 2.12 0.00	52.79 2.85 0.00	57.59 3.49 0.00	62.53 3.95 0.00	48.82 3.35 0.00	48.10 3.23 0.00	48.63 3.42 0.00	46.41 3.49 0.00	54.81 3.84 0.00	58.65 3.76 0.00	63.73 3.86 0.00	56.05 3.49 0.00	61.09 3.87 0.00	68.58 4.24 0.00	79.09 4.94 0.00	60.38 3.75 0.00	49.88 3.10 0.00	38.53 2.59 0.00	38.19 2.56 0.00	37.36 2.34 0.00
INDIAN POINT_GT_2 23659	35.69 1.81 0.00	37.44 1.84 0.00	37.95 1.82 0.00	37.68 1.77 0.00	42.54 2.12 0.00	52.79 2.85 0.00	57.59 3.49 0.00	62.53 3.95 0.00	48.82 3.35 0.00	48.10 3.23 0.00	48.63 3.42 0.00	46.41 3.49 0.00	54.81 3.84 0.00	58.65 3.76 0.00	63.73 3.86 0.00	56.05 3.49 0.00	61.09 3.87 0.00	68.58 4.24 0.00	79.09 4.94 0.00	60.38 3.75 0.00	49.88 3.10 0.00	38.53 2.59 0.00	38.19 2.56 0.00	37.36 2.34 0.00
INDIAN POINT_GT_3 24019	35.69 1.81 0.00	37.44 1.84 0.00	37.95 1.82 0.00	37.68 1.77 0.00	42.54 2.12 0.00	52.79 2.85 0.00	57.59 3.49 0.00	62.53 3.95 0.00	48.82 3.35 0.00	48.10 3.23 0.00	48.63 3.42 0.00	46.41 3.49 0.00	54.81 3.84 0.00	58.65 3.76 0.00	63.73 3.86 0.00	56.05 3.49 0.00	61.09 3.87 0.00	68.58 4.24 0.00	79.09 4.94 0.00	60.38 3.75 0.00	49.88 3.10 0.00	38.53 2.59 0.00	38.19 2.56 0.00	37.36 2.34 0.00
INDIAN POINT___2 23530	35.67 1.79 0.00	37.42 1.82 0.00	37.94 1.81 0.00	37.66 1.75 0.00	42.53 2.11 0.00	52.76 2.82 0.00	57.56 3.45 0.00	62.52 3.94 0.00	48.78 3.31 0.00	48.05 3.18 0.00	48.60 3.39 0.00	46.38 3.45 0.00	54.77 3.80 0.00	58.63 3.73 0.00	63.70 3.83 0.00	56.01 3.46 0.00	61.03 3.81 0.00	68.56 4.23 0.00	79.04 4.89 0.00	60.32 3.70 0.00	49.83 3.05 0.00	38.49 2.56 0.00	38.15 2.53 0.00	37.35 2.32 0.00
INDIAN POINT___3 23531	35.70 1.82 0.00	37.45 1.85 0.00	37.96 1.83 0.00	37.69 1.77 0.00	42.55 2.13 0.00	52.80 2.86 0.00	57.59 3.49 0.00	62.52 3.94 0.00	48.82 3.35 0.00	48.10 3.23 0.00	48.64 3.43 0.00	46.42 3.50 0.00	54.82 3.85 0.00	58.65 3.76 0.00	63.73 3.87 0.00	56.05 3.50 0.00	61.09 3.87 0.00	68.58 4.24 0.00	79.06 4.91 0.00	60.36 3.74 0.00	49.87 3.09 0.00	38.53 2.59 0.00	38.19 2.56 0.00	37.37 2.34 0.00
INGHAM_C_115KV_TB7 356103	36.17 2.28 0.00	38.05 2.45 0.00	38.65 2.51 0.00	38.44 2.53 0.00	43.34 2.92 0.00	53.63 3.69 0.00	58.27 4.17 0.00	62.42 3.84 0.00	47.16 1.69 0.00	46.13 1.26 0.00	46.56 1.35 0.00	44.56 1.63 0.00	53.18 2.21 0.00	57.29 2.39 0.00	63.41 3.54 0.00	56.01 3.46 0.00	61.42 4.20 0.00	68.29 3.96 0.00	78.76 4.61 0.00	60.08 3.46 0.00	49.75 2.96 0.00	38.41 2.47 0.00	37.94 2.32 0.00	37.33 2.30 0.00
IP CORINTH___1 23988	35.34 1.46 0.00	37.10 1.50 0.00	37.49 1.36 0.00	37.51 1.59 0.00	42.14 1.71 0.00	52.38 2.45 0.00	56.80 2.69 0.00	60.93 2.35 0.00	46.83 1.35 0.00	45.66 0.79 0.00	45.94 0.73 0.00	43.83 0.91 0.00	52.62 1.65 0.00	56.34 1.44 0.00	61.97 2.11 0.00	54.79 2.24 0.00	59.58 2.36 0.00	66.95 2.61 0.00	77.37 3.21 0.00	59.14 2.52 0.00	48.90 2.12 0.00	37.40 1.46 0.00	37.04 1.42 0.00	36.59 1.56 0.00
IP___TICONDEROGA 23804	37.23 3.35 0.00	39.04 3.44 0.00	39.19 3.05 0.00	39.41 3.50 0.00	44.14 3.72 0.00	55.30 5.36 0.00	60.07 5.96 0.00	63.96 5.38 0.00	48.51 3.04 0.00	46.95 2.08 0.00	47.18 1.97 0.00	45.17 2.24 0.00	54.97 4.01 0.00	58.60 3.71 0.00	64.61 4.75 0.00	57.29 4.74 0.00	62.32 5.10 0.00	70.45 6.11 0.00	81.71 7.56 0.00	62.54 5.91 0.00	51.38 4.59 0.00	39.02 3.08 0.00	38.46 2.84 0.00	38.23 3.21 0.00
ISLIP_RES_REC 323679	35.89 1.86 -0.14	38.09 1.82 -0.67	38.71 1.75 -0.82	38.36 1.71 -0.73	43.53 2.09 -1.02	53.02 3.06 -0.02	58.29 4.19 0.00	63.38 4.80 0.00	49.90 3.89 -0.54	49.70 3.49 -1.34	53.32 3.62 -4.50	48.40 3.90 -1.58	54.85 3.83 -0.05	59.07 4.17 0.00	64.41 4.55 -2.37	59.10 4.18 -0.74	62.57 4.61 -0.74	71.43 4.85 -2.25	81.03 5.59 -1.29	60.86 4.24 0.00	50.62 3.84 0.00	38.79 2.85 0.00	38.34 2.72 0.00	37.51 2.42 -0.07



JAMAICA__27_KV_LOAD 355505	35.96 2.08 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.92 0.00	42.78 2.36 0.00	53.15 3.21 0.00	58.20 4.09 0.00	63.28 4.70 0.00	49.57 4.10 0.00	48.87 4.00 0.00	49.52 4.31 0.00	47.31 4.39 0.00	55.79 4.82 0.00	59.50 4.60 0.00	64.53 4.67 0.00	56.68 4.13 0.00	61.89 4.66 0.00	69.49 5.15 0.00	80.09 5.94 0.00	61.17 4.55 0.00	50.52 3.73 0.00	39.13 3.19 0.00	38.78 3.16 0.00	37.89 2.87 0.00
JANIS__SOLAR 323808	34.43 0.54 0.00	36.23 0.63 0.00	36.80 0.66 0.00	36.49 0.57 0.00	41.17 0.75 0.00	51.40 0.97 -0.49	59.75 1.31 -4.34	60.04 1.46 0.00	45.59 0.12 0.00	49.22 -0.27 -4.63	46.27 -0.48 -1.54	45.58 -0.48 -3.14	50.88 -0.09 0.00	65.00 0.42 -9.68	89.70 0.93 -28.90	67.25 0.87 -13.83	74.06 1.13 -15.71	65.63 1.22 -0.07	75.76 1.60 0.00	57.67 1.04 0.00	57.01 0.74 -9.48	39.27 0.55 -2.78	35.96 0.34 0.00	35.29 0.27 0.00
JARVIS____ 23743	34.02 0.14 0.00	35.74 0.14 0.00	36.30 0.16 0.00	36.09 0.17 0.00	40.62 0.20 0.00	50.16 0.22 0.00	54.41 0.30 0.00	58.85 0.27 0.00	45.65 0.18 0.00	45.01 0.14 0.00	45.34 0.13 0.00	43.11 0.18 0.00	51.16 0.20 0.00	55.09 0.19 0.00	60.10 0.23 0.00	52.80 0.25 0.00	57.52 0.30 0.00	64.56 0.23 0.00	74.45 0.30 0.00	56.86 0.24 0.00	47.02 0.23 0.00	36.13 0.19 0.00	35.80 0.18 0.00	35.19 0.16 0.00
JENNISON____1 23625	34.22 0.34 0.00	36.05 0.45 0.00	36.64 0.50 0.00	36.30 0.38 0.00	40.82 0.40 0.00	50.81 0.61 -0.27	57.53 0.81 -2.61	60.06 1.48 0.00	46.23 0.76 0.00	46.46 0.63 -0.95	45.98 0.46 -0.32	44.03 0.46 -0.65	51.70 0.73 0.00	57.66 0.77 -2.00	66.94 1.10 -5.98	56.15 0.58 -3.03	61.66 0.61 -3.83	64.44 0.09 -0.02	74.49 0.34 0.00	56.66 0.04 0.00	49.42 0.14 -2.49	36.87 0.21 -0.72	35.48 -0.14 0.00	34.87 -0.15 0.00
JENNISON____2 23626	34.22 0.34 0.00	36.05 0.45 0.00	36.64 0.50 0.00	36.30 0.38 0.00	40.82 0.40 0.00	50.81 0.61 -0.27	57.53 0.81 -2.61	60.06 1.48 0.00	46.23 0.76 0.00	46.46 0.63 -0.95	45.98 0.46 -0.32	44.03 0.46 -0.65	51.70 0.73 0.00	57.66 0.77 -2.00	66.94 1.10 -5.98	56.15 0.58 -3.03	61.66 0.61 -3.83	64.44 0.09 -0.02	74.49 0.34 0.00	56.66 0.04 0.00	49.42 0.14 -2.49	36.87 0.21 -0.72	35.48 -0.14 0.00	34.87 -0.15 0.00
JERICOHO_RISE_WT_PWR 323719	33.92 0.04 0.00	35.60 0.00 0.00	35.81 -0.32 0.00	35.50 -0.42 0.00	40.00 -0.43 0.00	49.64 -0.30 0.00	53.32 -0.79 0.00	57.80 -0.78 0.00	44.91 -0.56 0.00	44.65 -0.22 0.00	45.35 0.14 0.00	42.75 -0.17 0.00	50.62 -0.34 0.00	54.91 0.01 0.00	59.73 -0.14 0.00	51.98 -0.57 0.00	56.31 -0.91 0.00	63.87 -0.47 0.00	72.93 -1.22 0.00	42.69 -1.20 12.74	45.76 -1.03 0.00	35.08 -0.86 0.00	34.83 -0.78 0.00	34.33 -0.70 0.00
KATONAH__115KV_46KV_TB4 355592	35.84 1.96 0.00	37.60 2.00 0.00	38.11 1.97 0.00	37.84 1.93 0.00	42.71 2.29 0.00	53.01 3.07 0.00	57.85 3.74 0.00	62.82 4.25 0.00	49.07 3.60 0.00	48.33 3.46 0.00	48.86 3.65 0.00	46.62 3.70 0.00	55.08 4.11 0.00	58.89 3.99 0.00	63.98 4.11 0.00	56.29 3.74 0.00	61.37 4.15 0.00	68.90 4.57 0.00	79.47 5.32 0.00	60.66 4.04 0.00	50.12 3.34 0.00	38.70 2.77 0.00	38.33 2.71 0.00	37.49 2.47 0.00
KCE_NY_1 323755	35.47 1.59 0.00	37.22 1.62 0.00	37.78 1.64 0.00	37.66 1.74 0.00	42.33 1.91 0.00	52.51 2.57 0.00	57.01 2.91 0.00	61.32 2.74 0.00	47.30 1.83 0.00	46.29 1.42 0.00	46.60 1.39 0.00	44.36 1.44 0.00	53.10 2.13 0.00	56.92 2.02 0.00	62.53 2.67 0.00	55.16 2.62 0.00	59.97 2.75 0.00	67.26 2.92 0.00	77.61 3.46 0.00	59.38 2.75 0.00	49.09 2.30 0.00	37.63 1.69 0.00	37.27 1.65 0.00	36.77 1.74 0.00
KCE_NY_6_ESR 323823	31.46 -2.42 0.00	33.19 -2.41 0.00	33.72 -2.42 0.00	33.25 -2.67 0.00	37.27 -3.15 0.00	43.49 -5.31 1.14	36.22 -6.23 11.66	52.20 -6.38 0.00	40.68 -4.79 0.00	38.33 -4.21 2.33	40.09 -4.34 0.77	36.73 -4.61 1.58	45.51 -5.46 0.00	44.15 -5.87 4.87	38.52 -6.68 14.67	39.09 -5.97 7.49	42.61 -6.23 8.38	57.76 -6.54 0.04	67.04 -7.11 0.00	51.27 -5.36 0.00	35.82 -5.14 5.83	30.14 -4.13 1.67	31.64 -3.98 0.00	31.17 -3.85 0.00
KEDC_PORT_JEFF_GT2 24210	35.59 1.66 -0.04	37.41 1.63 -0.18	37.91 1.55 -0.22	37.63 1.51 -0.20	42.55 1.85 -0.28	52.67 2.72 -0.01	57.89 3.78 0.00	62.92 4.34 0.00	49.15 3.54 -0.14	48.37 3.14 -0.36	49.70 3.29 -1.21	47.10 3.57 -0.60	53.35 3.43 1.05	58.65 3.75 0.00	63.92 4.06 0.00	58.64 3.75 -2.35	61.56 4.14 -0.20	69.24 4.30 -0.60	79.25 4.97 -0.13	60.41 3.78 0.00	50.24 3.45 0.00	38.52 2.59 0.00	38.09 2.47 0.00	37.23 2.19 -0.02
KEDC_PORT_JEFF_GT3 24211	35.59 1.66 -0.04	37.41 1.63 -0.18	37.91 1.55 -0.22	37.63 1.51 -0.20	42.55 1.85 -0.28	52.67 2.72 -0.01	57.89 3.78 0.00	62.92 4.34 0.00	49.15 3.54 -0.14	48.37 3.14 -0.36	49.70 3.29 -1.21	47.10 3.57 -0.60	53.35 3.43 1.05	58.65 3.75 0.00	63.92 4.06 0.00	58.64 3.75 -2.35	61.56 4.14 -0.20	69.24 4.30 -0.60	79.25 4.97 -0.13	60.41 3.78 0.00	50.24 3.45 0.00	38.52 2.59 0.00	38.09 2.47 0.00	37.23 2.19 -0.02
KEDC_GLWD_GT4 24219	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.06 0.00	37.92 2.01 0.00	42.82 2.40 0.00	53.17 3.23 0.00	58.14 4.03 0.00	63.15 4.57 0.00	49.34 3.87 0.00	48.57 3.69 0.00	49.15 3.94 0.00	47.42 4.07 -0.42	55.29 4.32 0.00	59.29 4.40 0.00	64.47 4.61 0.00	60.78 4.14 -4.09	61.78 4.56 0.00	69.31 4.97 0.00	79.87 5.72 0.00	60.98 4.36 0.00	50.46 3.67 0.00	38.89 2.95 0.00	38.49 2.87 0.00	37.65 2.62 0.00
KEDC_GLWD_GT5 24220	35.96 2.08 0.00	37.69 2.09 0.00	38.19 2.06 0.00	37.92 2.01 0.00	42.82 2.40 0.00	53.17 3.23 0.00	58.14 4.03 0.00	63.15 4.57 0.00	49.34 3.87 0.00	48.57 3.69 0.00	49.15 3.94 0.00	47.42 4.07 -0.42	55.29 4.32 0.00	59.29 4.40 0.00	64.47 4.61 0.00	60.78 4.14 -4.09	61.78 4.56 0.00	69.31 4.97 0.00	79.87 5.72 0.00	60.98 4.36 0.00	50.46 3.67 0.00	38.89 2.95 0.00	38.49 2.87 0.00	37.65 2.62 0.00
KENSICO____ 23655	35.78 1.90 0.00	37.52 1.92 0.00	38.03 1.89 0.00	37.76 1.84 0.00	42.62 2.20 0.00	52.90 2.96 0.00	57.72 3.61 0.00	62.67 4.10 0.00	48.97 3.49 0.00	48.25 3.38 0.00	48.78 3.57 0.00	46.57 3.65 0.00	54.97 4.00 0.00	58.80 3.91 0.00	63.89 4.02 0.00	56.18 3.64 0.00	61.24 4.02 0.00	68.74 4.41 0.00	79.26 5.11 0.00	60.52 3.89 0.00	50.00 3.22 0.00	38.64 2.70 0.00	38.27 2.65 0.00	37.45 2.42 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	35.84 1.96 0.00	37.61 2.01 0.00	38.18 2.05 0.00	37.91 1.99 0.00	42.81 2.39 0.00	53.08 3.14 0.00	57.94 3.83 0.00	62.98 4.40 0.00	49.06 3.59 0.00	48.19 3.32 0.00	48.41 3.20 0.00	46.18 3.26 0.00	54.68 3.71 0.00	58.23 3.33 0.00	63.26 3.39 0.00	55.76 3.21 0.00	60.92 3.70 0.00	68.47 4.13 0.00	78.99 4.85 0.00	60.27 3.64 0.00	49.83 3.04 0.00	38.66 2.72 0.00	38.26 2.64 0.00	37.44 2.41 0.00



KIAC_JFK_GT1 23816	35.85 1.97 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.74 1.82 0.00	42.67 2.25 0.00	53.00 3.06 0.00	58.01 3.91 0.00	63.08 4.50 0.00	49.42 3.95 0.00	48.73 3.85 0.00	49.38 4.18 0.00	47.17 4.25 0.00	55.63 4.67 0.00	59.31 4.41 0.00	64.31 4.45 0.00	56.51 3.96 0.00	61.69 4.47 0.00	69.24 4.90 0.00	79.81 5.66 0.00	60.96 4.34 0.00	50.35 3.57 0.00	39.00 3.06 0.00	38.66 3.04 0.00	37.78 2.75 0.00
KIAC_JFK_GT2 23817	35.85 1.97 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.74 1.82 0.00	42.67 2.25 0.00	53.00 3.06 0.00	58.01 3.91 0.00	63.08 4.50 0.00	49.42 3.95 0.00	48.73 3.85 0.00	49.38 4.18 0.00	47.17 4.25 0.00	55.63 4.67 0.00	59.31 4.41 0.00	64.31 4.45 0.00	56.51 3.96 0.00	61.69 4.47 0.00	69.24 4.90 0.00	79.81 5.66 0.00	60.96 4.34 0.00	50.35 3.57 0.00	39.00 3.06 0.00	38.66 3.04 0.00	37.78 2.75 0.00
KIAC_JFK____ 323774	35.85 1.97 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.74 1.83 0.00	42.67 2.25 0.00	52.99 3.05 0.00	58.01 3.91 0.00	63.08 4.50 0.00	49.42 3.95 0.00	48.72 3.85 0.00	49.39 4.18 0.00	47.18 4.25 0.00	55.63 4.66 0.00	59.31 4.42 0.00	64.31 4.45 0.00	56.50 3.96 0.00	61.68 4.46 0.00	69.23 4.90 0.00	79.80 5.65 0.00	60.96 4.34 0.00	50.34 3.56 0.00	39.00 3.06 0.00	38.66 3.04 0.00	37.78 2.75 0.00
KINTIGH__24_KV_GSU 356498	31.57 -2.32 0.00	33.33 -2.27 0.00	33.84 -2.29 0.00	33.46 -2.46 0.00	37.49 -2.93 0.00	44.50 -4.83 0.61	42.27 -5.74 6.10	52.56 -6.02 0.00	40.90 -4.57 0.00	39.22 -4.02 1.64	40.50 -4.16 0.54	37.49 -4.32 1.11	45.78 -5.18 0.00	45.96 -5.51 3.42	43.29 -6.31 10.27	41.92 -5.56 5.07	45.81 -5.74 5.67	58.15 -6.16 0.03	67.37 -6.78 0.00	51.63 -4.99 0.00	38.29 -4.68 3.81	31.08 -3.77 1.10	32.01 -3.60 0.00	31.52 -3.50 0.00
KINTIGH____ 23543	31.55 -2.33 0.00	33.31 -2.29 0.00	33.83 -2.31 0.00	33.44 -2.48 0.00	37.47 -2.95 0.00	44.46 -4.87 0.61	42.21 -5.79 6.10	52.52 -6.06 0.00	40.89 -4.58 0.00	39.18 -4.06 1.64	40.48 -4.19 0.54	37.46 -4.35 1.11	45.72 -5.25 0.00	45.90 -5.57 3.42	43.25 -6.35 10.27	41.87 -5.61 5.07	45.76 -5.79 5.67	58.09 -6.22 0.03	67.33 -6.82 0.00	51.58 -5.04 0.00	38.28 -4.70 3.81	31.05 -3.79 1.10	32.00 -3.62 0.00	31.50 -3.53 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	34.36 0.48 0.00	36.03 0.43 0.00	36.22 0.08 0.00	35.92 0.00 0.00	40.45 0.03 0.00	50.15 0.21 0.00	53.70 -0.41 0.00	58.07 -0.51 0.00	45.01 -0.46 0.00	44.71 -0.16 0.00	45.41 0.20 0.00	42.93 0.01 0.00	50.85 -0.12 0.00	55.51 0.61 0.00	60.17 0.31 0.00	52.13 -0.41 0.00	56.56 -0.66 0.00	64.27 -0.06 0.00	73.19 -0.96 0.00	42.07 -0.99 13.56	46.02 -0.76 0.00	35.29 -0.64 0.00	35.11 -0.51 0.00	34.60 -0.42 0.00
LACHUTE____HYDRO 323717	37.23 3.35 0.00	39.04 3.44 0.00	39.19 3.05 0.00	39.42 3.50 0.00	44.14 3.72 0.00	55.30 5.36 0.00	60.07 5.96 0.00	63.96 5.38 0.00	48.51 3.04 0.00	46.95 2.08 0.00	47.18 1.97 0.00	45.17 2.24 0.00	54.97 4.00 0.00	58.60 3.70 0.00	64.61 4.75 0.00	57.28 4.74 0.00	62.32 5.10 0.00	70.45 6.11 0.00	81.70 7.55 0.00	62.53 5.91 0.00	51.38 4.59 0.00	39.02 3.08 0.00	38.45 2.84 0.00	38.23 3.21 0.00
LAWRNCV_115KV_TB1 80681	34.62 0.74 0.00	36.31 0.71 0.00	36.72 0.58 0.00	36.48 0.57 0.00	41.12 0.70 0.00	50.97 1.03 0.00	54.84 0.73 0.00	59.46 0.88 0.00	46.20 0.72 0.00	46.09 1.22 0.00	48.97 3.76 0.00	45.67 2.74 0.00	53.95 2.99 0.00	56.15 1.26 0.00	61.42 1.56 0.00	53.50 0.95 0.00	58.41 1.19 0.00	65.92 1.58 0.00	75.57 1.43 0.00	55.71 0.97 1.88	47.58 0.79 0.00	36.48 0.54 0.00	36.26 0.65 0.00	35.70 0.67 0.00
LEDERLE____ 23769	35.89 2.01 0.00	37.63 2.03 0.00	38.16 2.02 0.00	37.88 1.96 0.00	42.78 2.36 0.00	53.09 3.15 0.00	57.93 3.82 0.00	62.94 4.36 0.00	49.11 3.64 0.00	48.37 3.50 0.00	48.94 3.73 0.00	46.71 3.78 0.00	55.19 4.22 0.00	59.06 4.16 0.00	64.17 4.31 0.00	56.44 3.89 0.00	61.50 4.28 0.00	69.09 4.75 0.00	79.65 5.50 0.00	60.78 4.16 0.00	50.19 3.41 0.00	38.75 2.81 0.00	38.40 2.78 0.00	37.58 2.55 0.00
LIGHTHSE_115KV_TB6 355974	32.98 -0.90 0.00	34.62 -0.98 0.00	35.09 -1.05 0.00	34.92 -1.00 0.00	39.37 -1.05 0.00	48.42 -1.52 0.00	52.54 -1.57 0.00	56.79 -1.79 0.00	44.05 -1.42 0.00	43.60 -1.27 0.00	44.12 -1.08 0.00	41.68 -1.24 0.00	49.56 -1.41 0.00	53.55 -1.35 0.00	58.26 -1.60 0.00	51.13 -1.42 0.00	55.72 -1.50 0.00	62.74 -1.60 0.00	72.30 -1.85 0.00	54.92 -1.48 0.22	45.46 -1.33 0.00	34.95 -0.99 0.00	34.54 -1.08 0.00	33.88 -1.15 0.00
LINDEN COGEN____ 23786	35.78 1.90 0.00	37.51 1.91 0.00	38.01 1.87 0.00	37.72 1.81 0.00	42.62 2.20 0.00	41.62 2.98 11.31	57.83 3.73 0.00	62.85 4.27 0.00	49.24 3.76 0.00	48.52 3.65 0.00	49.10 3.89 0.00	46.88 3.96 0.00	55.25 4.29 0.00	59.03 4.13 0.00	64.09 4.23 0.00	56.33 3.78 0.00	61.46 4.24 0.00	68.95 4.61 0.00	79.51 5.36 0.00	60.70 4.08 0.00	50.16 3.37 0.00	38.82 2.88 0.00	38.45 2.83 0.00	37.61 2.58 0.00
LINDHRST_69_KV_BK1 356055	36.02 2.13 0.00	37.69 2.09 0.00	38.17 2.04 0.00	37.90 1.98 0.00	42.84 2.41 0.00	53.32 3.38 0.00	58.53 4.43 0.00	63.61 5.03 0.00	49.62 4.15 0.00	48.71 3.84 0.00	49.23 4.02 0.00	47.51 4.31 -0.28	55.33 4.44 0.08	59.54 4.64 0.00	64.86 5.00 0.00	59.86 4.56 -2.75	62.17 4.95 0.00	69.65 5.31 0.00	80.19 6.14 0.10	61.40 4.78 0.00	50.93 4.14 0.00	39.10 3.16 0.00	38.65 3.03 0.00	37.77 2.74 0.00
LIPA_MISC_IPP 23656	34.92 1.45 0.42	35.04 1.39 1.96	35.05 1.32 2.41	35.04 1.28 2.15	39.03 1.60 2.99	52.29 2.42 0.07	57.58 3.48 0.00	62.56 3.99 0.01	47.13 3.24 1.58	43.78 2.84 3.93	34.97 2.97 13.21	42.54 3.28 3.66	49.50 3.12 4.58	58.36 3.46 0.00	63.59 3.73 0.00	58.34 3.46 -2.33	58.83 3.77 2.16	61.54 3.80 6.60	73.82 4.41 4.74	60.02 3.40 0.00	50.00 3.21 0.00	38.29 2.36 0.00	37.83 2.21 0.00	36.75 1.91 0.19
LISF____SOLAR 323691	34.73 1.49 0.63	34.09 1.43 2.94	33.87 1.36 3.63	34.00 1.32 3.24	37.56 1.64 4.50	52.31 2.47 0.11	57.66 3.55 0.00	62.65 4.08 0.01	46.41 3.32 2.38	41.85 2.90 5.92	28.36 3.02 19.87	40.62 3.33 5.63	47.87 3.15 6.25	58.43 3.53 0.00	63.67 3.81 0.00	58.41 3.53 -2.34	57.82 3.85 3.25	58.33 3.92 9.92	71.64 4.52 7.04	60.08 3.46 0.00	50.07 3.28 0.00	38.35 2.41 0.00	37.89 2.27 0.00	36.70 1.97 0.29
LITTLE FALLS____HYD 24013	36.17 2.28 0.00	38.05 2.45 0.00	38.65 2.51 0.00	38.44 2.53 0.00	43.34 2.92 0.00	53.63 3.69 0.00	58.27 4.17 0.00	62.42 3.84 0.00	47.16 1.69 0.00	46.13 1.26 0.00	46.56 1.35 0.00	44.56 1.63 0.00	53.18 2.21 0.00	57.29 2.39 0.00	63.41 3.54 0.00	56.01 3.46 0.00	61.42 4.20 0.00	68.29 3.96 0.00	78.76 4.61 0.00	60.08 3.46 0.00	49.75 2.96 0.00	38.41 2.47 0.00	37.94 2.32 0.00	37.33 2.30 0.00



LITTLRIV_115KV_TB1 356100	35.00 1.12 0.00	36.72 1.12 0.00	37.12 0.98 0.00	36.88 0.96 0.00	41.58 1.16 0.00	51.58 1.64 0.00	55.57 1.46 0.00	60.25 1.67 0.00	46.78 1.31 0.00	46.61 1.74 0.00	48.77 3.56 0.00	45.34 2.41 0.00	53.98 3.01 0.00	56.84 1.94 0.00	62.29 2.42 0.00	54.23 1.68 0.00	59.23 2.00 0.00	66.92 2.58 0.00	76.72 2.57 0.00	56.36 1.82 2.08	48.26 1.47 0.00	36.97 1.03 0.00	36.71 1.09 0.00	36.13 1.11 0.00
LI_NEWBRDGE___DRP 323616	35.64 1.75 0.00	37.36 1.76 0.00	37.85 1.71 0.00	37.58 1.67 0.00	42.44 2.02 0.00	52.73 2.79 0.00	57.73 3.62 0.00	62.72 4.14 0.00	48.94 3.47 0.00	48.11 3.24 0.00	48.71 3.50 0.00	46.88 3.74 -0.22	54.74 3.77 0.00	58.79 3.89 0.00	63.96 4.10 0.00	58.46 3.74 -2.18	61.34 4.12 0.00	68.70 4.36 0.00	79.17 5.03 0.00	60.44 3.82 0.00	50.11 3.32 0.00	38.55 2.61 0.00	38.15 2.53 0.00	37.32 2.30 0.00
LOCKPORT_115KV_TB60_63_64 80432	31.18 -2.70 0.00	33.01 -2.59 0.00	33.53 -2.61 0.00	33.14 -2.78 0.00	36.97 -3.45 0.00	43.13 -5.91 0.91	37.66 -7.22 9.23	51.03 -7.55 0.00	39.80 -5.68 0.00	37.99 -4.96 1.92	39.49 -5.07 0.64	36.30 -5.32 1.30	44.54 -6.43 0.00	44.14 -6.74 4.02	40.20 -7.59 12.07	39.65 -6.87 6.04	43.38 -7.09 6.75	56.71 -7.60 0.03	65.75 -8.40 0.00	50.40 -6.22 0.00	36.32 -5.75 4.71	29.94 -4.65 1.35	31.18 -4.44 0.00	30.67 -4.35 0.00
LOCKPORT___CC1 323769	31.16 -2.72 0.00	32.98 -2.62 0.00	33.49 -2.64 0.00	33.09 -2.83 0.00	36.94 -3.48 0.00	43.02 -5.92 1.00	36.68 -7.18 10.24	51.03 -7.55 0.00	39.78 -5.69 0.00	37.98 -4.96 1.94	39.46 -5.10 0.64	36.29 -5.32 1.31	44.57 -6.40 0.00	44.12 -6.72 4.05	40.08 -7.62 12.17	39.62 -6.84 6.08	43.31 -7.11 6.80	56.72 -7.58 0.03	65.75 -8.40 0.00	50.41 -6.21 0.00	36.18 -5.78 4.83	29.89 -4.67 1.38	31.15 -4.47 0.00	30.67 -4.36 0.00
LOCKPORT___CC2 323770	31.16 -2.72 0.00	32.98 -2.62 0.00	33.49 -2.64 0.00	33.09 -2.83 0.00	36.94 -3.48 0.00	43.02 -5.92 1.00	36.68 -7.18 10.24	51.03 -7.55 0.00	39.78 -5.69 0.00	37.98 -4.96 1.94	39.46 -5.10 0.64	36.29 -5.32 1.31	44.57 -6.40 0.00	44.12 -6.72 4.05	40.08 -7.62 12.17	39.62 -6.84 6.08	43.31 -7.11 6.80	56.72 -7.58 0.03	65.75 -8.40 0.00	50.41 -6.21 0.00	36.18 -5.78 4.83	29.89 -4.67 1.38	31.15 -4.47 0.00	30.67 -4.36 0.00
LOCKPORT___CC3 323771	31.16 -2.72 0.00	32.98 -2.62 0.00	33.49 -2.64 0.00	33.09 -2.83 0.00	36.94 -3.48 0.00	43.02 -5.92 1.00	36.68 -7.18 10.24	51.03 -7.55 0.00	39.78 -5.69 0.00	37.98 -4.96 1.94	39.46 -5.10 0.64	36.29 -5.32 1.31	44.57 -6.40 0.00	44.12 -6.72 4.05	40.08 -7.62 12.17	39.62 -6.84 6.08	43.31 -7.11 6.80	56.72 -7.58 0.03	65.75 -8.40 0.00	50.41 -6.21 0.00	36.18 -5.78 4.83	29.89 -4.67 1.38	31.15 -4.47 0.00	30.67 -4.36 0.00
LOCUSVLY_69_KV_BK2 55797	35.87 1.99 0.00	37.62 2.02 0.00	38.11 1.98 0.00	37.84 1.93 0.00	42.72 2.30 0.00	53.06 3.12 0.00	58.05 3.95 0.00	63.10 4.52 0.00	49.27 3.80 0.00	48.47 3.60 0.00	49.07 3.87 0.00	47.35 4.06 -0.37	55.18 4.22 0.00	59.23 4.33 0.00	64.43 4.56 0.00	60.32 4.14 -3.63	61.80 4.58 0.00	69.26 4.92 0.00	79.80 5.64 0.00	60.93 4.30 0.00	50.44 3.65 0.00	38.83 2.89 0.00	38.41 2.79 0.00	37.57 2.54 0.00
LONG_LAKE_PHOENIX 24014	32.84 -1.04 0.00	34.53 -1.07 0.00	35.08 -1.06 0.00	34.85 -1.07 0.00	39.24 -1.19 0.00	48.31 -1.63 0.00	52.47 -1.64 0.00	56.82 -1.76 0.00	44.05 -1.43 0.00	43.44 -1.43 0.00	43.86 -1.35 0.00	41.60 -1.33 0.00	49.42 -1.54 0.00	53.29 -1.61 0.00	57.94 -1.92 0.00	50.98 -1.57 0.00	55.56 -1.65 0.00	62.42 -1.92 0.00	72.06 -2.10 0.00	55.03 -1.60 0.00	45.35 -1.44 0.00	34.86 -1.08 0.00	34.49 -1.13 0.00	33.88 -1.15 0.00
LOVETT___3 23632	35.70 1.82 0.00	37.45 1.85 0.00	37.97 1.83 0.00	37.69 1.77 0.00	42.55 2.13 0.00	52.80 2.86 0.00	57.61 3.50 0.00	62.57 3.99 0.00	48.84 3.36 0.00	48.10 3.23 0.00	48.65 3.44 0.00	46.43 3.51 0.00	54.85 3.88 0.00	58.69 3.79 0.00	63.76 3.90 0.00	56.07 3.52 0.00	61.10 3.88 0.00	68.61 4.27 0.00	79.11 4.96 0.00	60.38 3.76 0.00	49.88 3.10 0.00	38.53 2.60 0.00	38.19 2.56 0.00	37.38 2.35 0.00
LOVETT___4 23642	35.70 1.82 0.00	37.45 1.85 0.00	37.97 1.83 0.00	37.69 1.77 0.00	42.55 2.13 0.00	52.80 2.86 0.00	57.61 3.50 0.00	62.57 3.99 0.00	48.84 3.36 0.00	48.10 3.23 0.00	48.65 3.44 0.00	46.43 3.51 0.00	54.85 3.88 0.00	58.69 3.79 0.00	63.76 3.90 0.00	56.07 3.52 0.00	61.10 3.88 0.00	68.61 4.27 0.00	79.11 4.96 0.00	60.38 3.76 0.00	49.88 3.10 0.00	38.53 2.60 0.00	38.19 2.56 0.00	37.38 2.35 0.00
LOVETT___5 23593	35.70 1.82 0.00	37.45 1.85 0.00	37.97 1.83 0.00	37.69 1.77 0.00	42.55 2.13 0.00	52.80 2.86 0.00	57.61 3.50 0.00	62.57 3.99 0.00	48.84 3.36 0.00	48.10 3.23 0.00	48.65 3.44 0.00	46.43 3.51 0.00	54.85 3.88 0.00	58.69 3.79 0.00	63.76 3.90 0.00	56.07 3.52 0.00	61.10 3.88 0.00	68.61 4.27 0.00	79.11 4.96 0.00	60.38 3.76 0.00	49.88 3.10 0.00	38.53 2.60 0.00	38.19 2.56 0.00	37.38 2.35 0.00
LOWER RAQUET___HYD 24057	34.63 0.75 0.00	36.31 0.71 0.00	36.71 0.57 0.00	36.48 0.56 0.00	41.12 0.70 0.00	50.96 1.02 0.00	54.80 0.69 0.00	59.41 0.83 0.00	46.14 0.67 0.00	46.03 1.16 0.00	48.70 3.49 0.00	45.42 2.50 0.00	53.74 2.77 0.00	56.20 1.31 0.00	61.45 1.59 0.00	53.51 0.96 0.00	58.43 1.21 0.00	65.90 1.56 0.00	75.52 1.38 0.00	55.27 0.92 2.27	47.54 0.75 0.00	36.45 0.51 0.00	36.25 0.63 0.00	35.69 0.66 0.00
LOWER___HUDSON 24059	35.12 1.24 0.00	36.89 1.29 0.00	37.42 1.29 0.00	37.31 1.39 0.00	41.88 1.46 0.00	51.92 1.98 0.00	56.35 2.24 0.00	60.66 2.09 0.00	47.02 1.55 0.00	46.11 1.24 0.00	46.33 1.12 0.00	44.15 1.23 0.00	52.66 1.69 0.00	56.64 1.74 0.00	62.02 2.16 0.00	54.63 2.08 0.00	59.25 2.03 0.00	66.32 1.98 0.00	76.63 2.48 0.00	58.61 1.99 0.00	48.52 1.74 0.00	37.23 1.29 0.00	36.91 1.29 0.00	36.44 1.42 0.00
LOWVILLE_115KV_TB2 356335	33.60 -0.28 0.00	35.19 -0.41 0.00	35.56 -0.57 0.00	35.53 -0.39 0.00	40.16 -0.27 0.00	49.42 -0.52 0.00	53.44 -0.67 0.00	57.58 -0.99 0.00	44.63 -0.85 0.00	44.44 -0.43 0.00	45.46 0.25 0.00	42.66 -0.26 0.00	50.63 -0.33 0.00	54.49 -0.40 0.00	59.32 -0.54 0.00	51.83 -0.72 0.00	56.76 -0.46 0.00	63.79 -0.54 0.00	73.47 -0.68 0.00	55.17 -0.81 0.64	46.09 -0.70 0.00	35.36 -0.58 0.00	35.01 -0.61 0.00	34.30 -0.73 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	35.45 1.57 0.00	37.23 1.63 0.00	37.75 1.62 0.00	37.64 1.72 0.00	42.31 1.89 0.00	52.48 2.54 0.00	56.98 2.87 0.00	61.29 2.71 0.00	47.28 1.80 0.00	46.27 1.40 0.00	46.53 1.33 0.00	44.33 1.41 0.00	53.05 2.08 0.00	56.90 2.00 0.00	62.50 2.63 0.00	55.15 2.60 0.00	59.93 2.70 0.00	67.20 2.87 0.00	77.57 3.42 0.00	59.32 2.70 0.00	49.05 2.26 0.00	37.61 1.67 0.00	37.25 1.63 0.00	36.73 1.71 0.00



LUTHERNY_35_KV_BK2 355980	35.47 1.59 0.00	37.22 1.62 0.00	37.78 1.64 0.00	37.66 1.74 0.00	42.33 1.91 0.00	52.51 2.57 0.00	57.01 2.90 0.00	61.32 2.74 0.00	47.30 1.83 0.00	46.29 1.42 0.00	46.60 1.39 0.00	44.36 1.44 0.00	53.11 2.14 0.00	56.92 2.02 0.00	62.53 2.67 0.00	55.16 2.62 0.00	59.98 2.76 0.00	67.26 2.92 0.00	77.61 3.46 0.00	59.38 2.75 0.00	49.09 2.30 0.00	37.63 1.69 0.00	37.27 1.65 0.00	36.77 1.74 0.00
LWR___OSWEGATCHIE_HYD 23850	33.99 0.11 0.00	35.62 0.02 0.00	36.01 -0.12 0.00	35.88 -0.04 0.00	40.49 0.07 0.00	49.90 -0.04 0.00	53.82 -0.29 0.00	58.18 -0.40 0.00	45.17 -0.31 0.00	45.10 0.23 0.00	46.91 1.70 0.00	43.86 0.94 0.00	51.98 1.01 0.00	55.10 0.20 0.00	60.10 0.24 0.00	52.41 -0.14 0.00	57.31 0.09 0.00	64.57 0.23 0.00	74.15 0.00 1.54	54.90 -0.19 0.00	46.61 -0.18 0.00	35.83 -0.11 0.00	35.54 -0.08 0.00	34.90 -0.13 0.00
LYONS_FALL_HYD 23570	33.94 0.06 0.00	35.61 0.01 0.00	36.06 -0.08 0.00	35.96 0.04 0.00	40.59 0.17 0.00	50.04 0.10 0.00	54.24 0.14 0.00	58.54 -0.04 0.00	45.29 -0.18 0.00	44.91 0.04 0.00	45.68 0.47 0.00	43.11 0.19 0.00	51.13 0.16 0.00	55.13 0.24 0.00	60.07 0.21 0.00	52.63 0.08 0.00	57.53 0.31 0.00	64.62 0.29 0.00	74.46 0.31 0.00	56.21 0.02 0.43	46.77 -0.01 0.00	35.89 -0.05 0.00	35.52 -0.10 0.00	34.83 -0.20 0.00
MADISON___COUNTY_LFGE 323628	34.36 0.48 0.00	36.19 0.59 0.00	36.76 0.62 0.00	36.52 0.61 0.00	41.21 0.79 0.00	50.95 1.01 0.00	55.42 1.32 0.00	59.95 1.37 0.00	46.15 0.68 0.00	45.45 0.58 0.00	45.93 0.72 0.00	43.65 0.73 0.00	51.79 0.82 0.00	55.97 1.08 0.00	61.15 1.28 0.00	53.82 1.27 0.00	58.69 1.48 0.00	65.77 1.43 0.00	75.82 1.67 0.00	57.77 1.15 0.00	47.67 0.88 0.00	36.58 0.64 0.00	36.18 0.57 0.00	35.49 0.46 0.00
MALONE___115KV_TB1 356076	34.43 0.55 0.00	36.11 0.51 0.00	36.35 0.21 0.00	36.07 0.15 0.00	40.64 0.22 0.00	50.44 0.50 0.00	54.26 0.15 0.00	58.86 0.28 0.00	45.64 0.17 0.00	45.43 0.56 0.00	46.64 1.44 0.00	43.80 0.88 0.00	51.86 0.89 0.00	56.38 1.48 0.00	60.90 1.03 0.00	52.91 0.36 0.00	57.47 0.25 0.00	65.24 0.91 0.00	74.44 0.29 0.00	46.49 -0.02 10.11	46.74 -0.05 0.00	35.79 -0.15 0.00	35.49 -0.13 0.00	34.96 -0.07 0.00
MAPLEWOD_115KV_TB3 80458	35.09 1.21 0.00	36.88 1.28 0.00	37.44 1.31 0.00	37.30 1.38 0.00	41.89 1.47 0.00	51.87 1.93 0.00	56.32 2.21 0.00	60.74 2.16 0.00	47.15 1.68 0.00	46.27 1.40 0.00	46.51 1.30 0.00	44.34 1.42 0.00	52.83 1.86 0.00	56.77 1.87 0.00	62.14 2.27 0.00	54.72 2.17 0.00	59.35 2.13 0.00	66.49 2.16 0.00	76.77 2.62 0.00	58.68 2.06 0.00	48.58 1.79 0.00	37.33 1.39 0.00	36.96 1.34 0.00	36.43 1.40 0.00
MAPLE_RIDGE_WT_1 323574	33.22 -0.66 0.00	34.80 -0.80 0.00	35.24 -0.89 0.00	35.12 -0.80 0.00	39.46 -0.96 0.00	48.68 -1.26 0.00	52.65 -1.46 0.00	57.09 -1.49 0.00	44.58 -0.89 0.00	44.20 -0.68 0.00	44.59 -0.61 0.00	42.19 -0.73 0.00	49.97 -1.00 0.00	53.82 -1.08 0.00	58.44 -1.42 0.00	51.16 -1.39 0.00	55.72 -1.50 0.00	62.76 -1.58 0.00	72.39 -1.76 0.00	55.19 -1.43 0.00	45.93 -0.85 0.00	35.07 -0.87 0.00	34.80 -0.82 0.00	34.23 -0.80 0.00
MAPLE_RIDGE_WT_2 323611	33.22 -0.66 0.00	34.80 -0.80 0.00	35.24 -0.89 0.00	35.12 -0.80 0.00	39.46 -0.96 0.00	48.68 -1.26 0.00	52.65 -1.46 0.00	57.09 -1.49 0.00	44.58 -0.89 0.00	44.20 -0.68 0.00	44.59 -0.61 0.00	42.19 -0.73 0.00	49.97 -1.00 0.00	53.82 -1.08 0.00	58.44 -1.42 0.00	51.16 -1.39 0.00	55.72 -1.50 0.00	62.76 -1.58 0.00	72.39 -1.76 0.00	55.19 -1.43 0.00	45.93 -0.85 0.00	35.07 -0.87 0.00	34.80 -0.82 0.00	34.23 -0.80 0.00
MARBLE_RIVER_WT_PWR 323696	33.95 0.07 0.00	35.61 0.01 0.00	35.82 -0.31 0.00	35.53 -0.39 0.00	40.01 -0.41 0.00	49.63 -0.31 0.00	53.28 -0.83 0.00	57.69 -0.89 0.00	44.84 -0.64 0.00	44.57 -0.30 0.00	45.22 0.01 0.00	42.66 -0.26 0.00	50.52 -0.44 0.00	54.83 -0.07 0.00	59.63 -0.23 0.00	51.88 -0.67 0.00	56.17 -1.05 0.00	63.69 -0.65 0.00	72.70 -1.45 0.00	41.36 -1.39 13.87	45.64 -1.15 0.00	35.00 -0.94 0.00	34.76 -0.86 0.00	34.26 -0.76 0.00
MARSHVLE_115KV_TB1 80742	34.04 0.16 0.00	35.78 0.18 0.00	36.33 0.19 0.00	36.10 0.18 0.00	40.60 0.18 0.00	50.25 0.31 0.00	54.33 0.22 0.00	58.72 0.14 0.00	44.92 -0.56 0.00	44.43 -0.44 0.00	44.99 -0.22 0.00	42.73 -0.19 0.00	50.60 -0.36 0.00	54.47 -0.42 0.00	60.02 0.16 0.00	52.73 0.18 0.00	57.72 0.50 0.00	64.62 0.28 0.00	74.35 0.20 0.00	56.67 0.05 0.00	46.89 0.11 0.00	36.00 0.06 0.00	35.65 0.03 0.00	35.02 0.00 0.00
MARSH_HILL_WT_PWR 323713	31.38 -2.50 0.00	32.88 -2.72 0.00	33.29 -2.84 0.00	32.81 -3.11 0.00	37.11 -3.31 0.00	49.45 -4.75 -4.27	95.22 -5.18 -46.29	54.10 -4.48 0.00	40.86 -4.61 0.00	30.06 -5.43 9.39	37.02 -5.07 3.12	31.54 -5.02 6.37	45.13 -5.84 0.00	28.16 -7.09 19.64	-5.27 -7.55 57.58	24.01 -5.46 23.07	25.05 -6.34 25.83	57.76 -6.46 0.11	67.90 -6.24 0.00	51.90 -4.72 0.00	29.73 -4.84 12.21	28.04 -4.07 3.84	31.63 -3.99 0.00	31.16 -3.87 0.00
MCINTYRE_115KV_TB2 80467	35.18 1.29 0.00	36.91 1.31 0.00	37.33 1.20 0.00	37.08 1.17 0.00	41.81 1.38 0.00	51.91 1.97 0.00	55.99 1.89 0.00	60.72 2.14 0.00	47.15 1.68 0.00	46.88 2.01 0.00	48.33 3.13 0.00	45.02 2.10 0.00	53.76 2.79 0.00	57.01 2.12 0.00	62.61 2.75 0.00	54.57 2.02 0.00	59.64 2.42 0.00	67.47 3.14 0.00	77.34 3.19 0.00	57.15 2.30 1.77	48.66 1.87 0.00	37.25 1.31 0.00	36.95 1.33 0.00	36.36 1.33 0.00
MECO_____69_KV_BK1 80468	35.00 1.12 0.00	36.78 1.18 0.00	37.33 1.20 0.00	37.14 1.22 0.00	41.80 1.38 0.00	51.82 1.88 0.00	56.28 2.17 0.00	60.68 2.10 0.00	45.97 0.49 0.00	45.06 0.18 0.00	45.48 0.27 0.00	43.25 0.32 0.00	51.96 1.00 0.00	55.74 0.84 0.00	61.79 1.93 0.00	54.54 1.99 0.00	59.64 2.42 0.00	66.96 2.62 0.00	77.11 2.96 0.00	58.78 2.15 0.00	48.56 1.78 0.00	37.19 1.25 0.00	36.79 1.17 0.00	36.13 1.11 0.00
MENANDS___115KV_TB5 355628	35.02 1.14 0.00	36.81 1.21 0.00	37.38 1.24 0.00	37.23 1.31 0.00	41.80 1.38 0.00	51.77 1.83 0.00	56.19 2.08 0.00	60.59 2.01 0.00	47.07 1.60 0.00	46.22 1.35 0.00	46.47 1.26 0.00	44.30 1.37 0.00	52.74 1.77 0.00	56.69 1.79 0.00	62.01 2.14 0.00	54.59 2.04 0.00	59.19 1.98 0.00	66.28 1.94 0.00	76.53 2.38 0.00	58.50 1.87 0.00	48.45 1.66 0.00	37.22 1.29 0.00	36.89 1.27 0.00	36.36 1.33 0.00
MG INDUSTRY___DRP 24185	34.93 1.05 0.00	36.73 1.13 0.00	37.35 1.21 0.00	37.17 1.25 0.00	41.78 1.36 0.00	51.65 1.71 0.00	56.04 1.94 0.00	60.50 1.92 0.00	46.93 1.45 0.00	46.11 1.24 0.00	46.34 1.13 0.00	44.11 1.19 0.00	52.54 1.57 0.00	56.42 1.52 0.00	61.72 1.85 0.00	54.39 1.84 0.00	59.06 1.84 0.00	66.15 1.82 0.00	76.34 2.19 0.00	58.34 1.72 0.00	48.31 1.53 0.00	37.15 1.21 0.00	36.80 1.18 0.00	36.23 1.20 0.00



MID___OSWEGATCHIE_HYD 23849	33.99 0.11 0.00	35.62 0.02 0.00	36.01 -0.12 0.00	35.88 -0.04 0.00	40.49 0.07 0.00	49.90 -0.04 0.00	53.82 -0.29 0.00	58.18 -0.40 0.00	45.17 -0.31 0.00	45.10 0.23 0.00	46.91 1.70 0.00	43.86 0.94 0.00	51.98 1.01 0.00	55.10 0.20 0.00	60.10 0.24 0.00	52.41 -0.14 0.00	57.31 0.09 0.00	64.57 0.23 0.00	74.15 0.00 0.00	54.90 -0.19 1.54	46.61 -0.18 0.00	35.83 -0.11 0.00	35.54 -0.08 0.00	34.90 -0.13 0.00
MID___RAQUETTE_HYD 23851	34.63 0.74 0.00	36.31 0.71 0.00	36.71 0.57 0.00	36.48 0.56 0.00	41.13 0.70 0.00	50.96 1.02 0.00	54.80 0.69 0.00	59.41 0.83 0.00	46.14 0.67 0.00	46.03 1.16 0.00	48.70 3.49 0.00	45.43 2.51 0.00	53.73 2.77 0.00	56.20 1.31 0.00	61.45 1.59 0.00	53.51 0.96 0.00	58.42 1.20 0.00	65.90 1.56 0.00	75.53 1.38 0.00	55.27 0.92 2.27	47.54 0.75 0.00	36.45 0.51 0.00	36.25 0.63 0.00	35.69 0.67 0.00
MILLIKEN___1 23584	34.03 0.15 0.00	35.75 0.15 0.00	36.35 0.22 0.00	36.08 0.16 0.00	40.71 0.29 0.00	50.70 0.27 -0.50	58.86 0.41 -4.34	59.02 0.44 0.00	45.35 -0.12 0.00	50.23 -0.24 -5.60	46.68 -0.39 -1.86	46.40 -0.32 -3.80	50.87 -0.10 0.00	66.61 -0.01 -11.72	94.93 0.08 -34.98	69.38 0.18 -16.66	76.19 0.24 -18.73	64.80 0.38 -0.08	74.72 0.57 0.00	57.03 0.41 0.00	58.23 0.24 -11.21	39.35 0.12 -3.29	35.69 0.07 0.00	35.04 0.01 0.00
MILLIKEN___2 23585	34.03 0.15 0.00	35.75 0.15 0.00	36.35 0.22 0.00	36.08 0.16 0.00	40.71 0.29 0.00	50.70 0.27 -0.50	58.86 0.41 -4.34	59.02 0.44 0.00	45.35 -0.12 0.00	50.23 -0.24 -5.60	46.68 -0.39 -1.86	46.40 -0.32 -3.80	50.87 -0.10 0.00	66.61 -0.01 -11.72	94.93 0.08 -34.98	69.38 0.18 -16.66	76.19 0.24 -18.73	64.80 0.38 -0.08	74.72 0.57 0.00	57.03 0.41 0.00	58.23 0.24 -11.21	39.35 0.12 -3.29	35.69 0.07 0.00	35.04 0.01 0.00
MILLIKEN___DIESEL 23629	34.03 0.15 0.00	35.75 0.15 0.00	36.35 0.22 0.00	36.08 0.16 0.00	40.71 0.29 0.00	50.70 0.27 -0.50	58.86 0.41 -4.34	59.02 0.44 0.00	45.35 -0.12 0.00	50.23 -0.24 -5.60	46.68 -0.39 -1.86	46.40 -0.32 -3.80	50.87 -0.10 0.00	66.61 -0.01 -11.72	94.93 0.08 -34.98	69.38 0.18 -16.66	76.19 0.24 -18.73	64.80 0.38 -0.08	74.72 0.57 0.00	57.03 0.41 0.00	58.23 0.24 -11.21	39.35 0.12 -3.29	35.69 0.07 0.00	35.04 0.01 0.00
MILLSEAT___LFGE 323607	31.87 -2.02 0.00	33.70 -1.90 0.00	34.24 -1.90 0.00	33.85 -2.07 0.00	37.85 -2.58 0.00	44.61 -4.57 0.76	40.89 -5.47 7.74	52.89 -5.69 0.00	41.17 -4.30 0.00	39.44 -3.63 1.80	40.89 -3.71 0.60	37.72 -3.98 1.22	46.20 -4.77 0.00	46.11 -5.02 3.77	42.91 -5.63 11.33	41.83 -5.08 5.63	45.69 -5.23 6.30	58.94 -5.36 0.03	68.25 -5.90 0.00	52.24 -4.38 0.00	38.19 -4.26 4.34	31.15 -3.54 1.25	32.21 -3.41 0.00	31.65 -3.38 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	35.73 1.85 0.00	37.48 1.88 0.00	37.99 1.86 0.00	37.72 1.81 0.00	42.58 2.16 0.00	52.84 2.90 0.00	57.64 3.54 0.00	62.58 4.00 0.00	48.89 3.41 0.00	48.16 3.29 0.00	48.69 3.48 0.00	46.48 3.56 0.00	54.88 3.91 0.00	58.71 3.81 0.00	63.79 3.93 0.00	56.11 3.56 0.00	61.15 3.93 0.00	68.64 4.30 0.00	79.14 4.99 0.00	60.42 3.80 0.00	49.94 3.15 0.00	38.57 2.63 0.00	38.22 2.60 0.00	37.40 2.37 0.00
MILLWOOD_13_KV_LOAD 356217	35.80 1.92 0.00	37.54 1.94 0.00	38.06 1.93 0.00	37.79 1.88 0.00	42.66 2.24 0.00	52.93 3.00 0.00	57.77 3.66 0.00	62.74 4.16 0.00	49.00 3.52 0.00	48.26 3.39 0.00	48.78 3.57 0.00	46.58 3.66 0.00	54.99 4.03 0.00	58.84 3.94 0.00	63.93 4.07 0.00	56.22 3.67 0.00	61.29 4.07 0.00	68.82 4.49 0.00	79.34 5.19 0.00	60.58 3.96 0.00	50.05 3.27 0.00	38.65 2.71 0.00	38.29 2.67 0.00	37.47 2.44 0.00
MODEL_CITY_ENERGY 24167	30.93 -2.95 0.00	32.77 -2.83 0.00	33.29 -2.85 0.00	32.90 -3.01 0.00	36.68 -3.74 0.00	42.67 -6.35 0.92	36.96 -7.77 9.38	50.41 -8.16 0.00	39.31 -6.16 0.00	37.45 -5.43 1.99	39.00 -5.55 0.66	35.81 -5.76 1.35	44.04 -6.93 0.00	43.49 -7.25 4.16	39.15 -8.23 12.49	38.91 -7.39 6.26	42.52 -7.70 7.00	56.04 -8.27 0.03	64.94 -9.21 0.00	49.82 -6.80 0.00	35.69 -6.25 4.86	29.55 -5.00 1.39	30.83 -4.79 0.00	30.35 -4.67 0.00
MODERN_LFGE___ 323580	30.93 -2.95 0.00	32.77 -2.83 0.00	33.29 -2.85 0.00	32.90 -3.01 0.00	36.68 -3.74 0.00	42.67 -6.35 0.92	36.96 -7.77 9.38	50.41 -8.16 0.00	39.31 -6.16 0.00	37.45 -5.43 1.99	39.00 -5.55 0.66	35.81 -5.76 1.35	44.04 -6.93 0.00	43.49 -7.25 4.16	39.15 -8.23 12.49	38.91 -7.39 6.26	42.52 -7.70 7.00	56.04 -8.27 0.03	64.94 -9.21 0.00	49.82 -6.80 0.00	35.69 -6.25 4.86	29.55 -5.00 1.39	30.83 -4.79 0.00	30.35 -4.67 0.00
MOHAWK_PAPER___DRP 24187	35.09 1.21 0.00	36.88 1.28 0.00	37.44 1.31 0.00	37.30 1.38 0.00	41.89 1.47 0.00	51.87 1.93 0.00	56.32 2.21 0.00	60.74 2.16 0.00	47.15 1.68 0.00	46.27 1.40 0.00	46.51 1.30 0.00	44.34 1.42 0.00	52.83 1.86 0.00	56.77 1.87 0.00	62.14 2.27 0.00	54.72 2.17 0.00	59.35 2.13 0.00	66.49 2.16 0.00	76.77 2.62 0.00	58.68 2.06 0.00	48.58 1.79 0.00	37.33 1.39 0.00	36.96 1.34 0.00	36.43 1.40 0.00
MOHICAN___35_KV_115KV_LD 80490	35.65 1.77 0.00	37.41 1.81 0.00	37.81 1.67 0.00	37.82 1.91 0.00	42.48 2.06 0.00	52.84 2.90 0.00	57.34 3.23 0.00	61.47 2.89 0.00	47.21 1.74 0.00	46.01 1.13 0.00	46.25 1.05 0.00	44.13 1.21 0.00	53.04 2.07 0.00	56.81 1.92 0.00	62.50 2.64 0.00	55.26 2.71 0.00	60.08 2.86 0.00	67.53 3.19 0.00	78.04 3.89 0.00	59.68 3.06 0.00	49.33 2.54 0.00	37.70 1.76 0.00	37.32 1.70 0.00	36.88 1.85 0.00
MONGAUP___HYD 23641	35.91 2.03 0.00	37.68 2.08 0.00	38.22 2.08 0.00	37.95 2.03 0.00	42.86 2.44 0.00	53.15 3.21 0.00	57.99 3.88 0.00	62.94 4.36 0.00	49.00 3.52 0.00	48.02 3.15 0.00	48.05 2.83 0.00	45.96 3.03 0.00	54.55 3.58 0.00	58.44 3.54 0.00	63.19 3.33 0.00	55.94 3.39 0.00	61.35 4.13 0.00	69.03 4.70 0.00	79.65 5.50 0.00	60.82 4.20 0.00	50.23 3.44 0.00	38.74 2.80 0.00	38.33 2.71 0.00	37.52 2.49 0.00
MONTAUK___DIESEL 23721	35.76 2.32 0.44	35.84 2.29 2.05	35.84 2.24 2.53	35.86 2.21 2.26	39.92 2.64 3.14	53.66 3.80 0.07	59.04 4.93 0.00	63.98 5.41 0.01	48.03 4.21 1.66	44.14 3.40 4.13	34.98 3.63 13.85	43.09 4.02 3.85	50.56 4.33 4.74	60.02 5.12 0.00	65.38 5.52 0.00	59.92 5.04 -2.33	60.01 5.05 2.26	61.54 4.12 6.92	74.35 5.16 4.97	61.21 4.59 0.00	50.67 3.88 0.00	38.07 2.13 0.00	36.98 1.36 0.00	35.62 0.80 0.20
MOONROAD_115KV_HARTFLD_TB1-2 355988	31.02 -2.87 0.00	32.77 -2.83 0.00	33.34 -2.80 0.00	32.54 -3.37 0.00	36.87 -3.55 0.00	43.70 -5.58 0.66	41.22 -6.41 6.48	52.91 -5.67 0.00	41.55 -3.93 0.00	38.23 -4.02 2.62	39.70 -4.64 0.87	33.22 -5.01 4.70	45.09 -5.88 0.00	43.12 -6.30 5.48	36.10 -7.15 16.62	37.22 -6.39 8.94	41.10 -6.12 10.00	57.86 -6.43 0.04	67.41 -6.74 0.00	51.35 -5.27 0.00	33.51 -5.73 7.55	29.44 -4.66 1.84	31.07 -4.55 0.00	30.56 -4.47 0.00



MORRIS_RIDGE___SOLAR 323848	31.31 -2.57 0.00	32.92 -2.68 0.00	33.45 -2.69 0.00	32.95 -2.97 0.00	37.22 -3.20 0.00	38.70 -4.92 6.32	-24.98 -5.42 73.67	7.45 -4.76 46.37	4.06 -4.61 36.80	7.14 -5.24 32.50	-9.52 -4.89 49.84	-11.34 -4.85 49.41	-18.25 -5.42 63.80	-11.80 -6.53 60.17	-13.02 -7.14 65.74	-12.64 -5.67 59.52	-9.89 -6.38 60.74	-9.70 -6.61 67.42	49.34 -6.56 18.25	5.76 -5.01 45.85	4.37 -4.96 37.46	29.22 -3.98 2.75	31.79 -3.83 0.00	31.33 -3.70 0.00
MORTIMER_115KV_TB3 55949	32.36 -1.52 0.00	34.10 -1.50 0.00	34.62 -1.51 0.00	34.29 -1.63 0.00	38.48 -1.94 0.00	46.72 -3.19 0.02	50.42 -3.68 0.00	54.75 -3.83 0.00	42.56 -2.92 0.00	41.07 -2.48 1.32	42.22 -2.55 0.44	39.36 -2.67 0.89	47.75 -3.22 0.00	48.75 -3.39 2.76	47.72 -3.91 8.24	45.19 -3.39 3.97	49.32 -3.47 4.43	60.69 -3.63 0.02	70.19 -3.96 0.00	53.70 -2.92 0.00	41.17 -2.85 2.77	32.77 -2.36 0.82	33.32 -2.30 0.00	32.74 -2.28 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	35.94 2.05 0.00	37.68 2.08 0.00	38.17 2.03 0.00	37.89 1.97 0.00	42.80 2.38 0.00	53.15 3.21 0.00	58.01 3.90 0.00	62.95 4.38 0.00	49.28 3.80 0.00	48.58 3.71 0.00	49.14 3.93 0.00	46.91 3.99 0.00	55.31 4.34 0.00	59.11 4.22 0.00	64.20 4.33 0.00	56.45 3.90 0.00	61.57 4.36 0.00	69.08 4.74 0.00	79.65 5.50 0.00	60.82 4.20 0.00	50.27 3.48 0.00	38.86 2.92 0.00	38.50 2.89 0.00	37.66 2.64 0.00
MUNSVILLE_WIND_PWR 323609	34.82 0.94 0.00	36.71 1.11 0.00	37.26 1.13 0.00	36.94 1.02 0.00	41.65 1.22 0.00	52.01 1.70 -0.38	59.84 2.26 -3.47	61.34 2.76 0.00	46.74 1.27 0.00	48.37 0.71 -2.78	46.66 0.53 -0.93	45.33 0.52 -1.89	51.87 0.90 0.00	62.24 1.52 -5.82	79.47 2.21 -17.40	62.62 1.66 -8.41	68.92 1.94 -9.75	66.08 1.70 -0.04	76.61 2.46 0.00	58.09 1.47 0.00	53.91 1.15 -5.97	38.60 0.92 -1.75	36.14 0.52 0.00	35.50 0.48 0.00
N SALMON___HYD 24042	34.43 0.55 0.00	36.11 0.51 0.00	36.35 0.21 0.00	36.07 0.15 0.00	40.65 0.22 0.00	50.44 0.50 0.00	54.26 0.15 0.00	58.86 0.28 0.00	45.64 0.17 0.00	45.43 0.56 0.00	46.64 1.44 0.00	43.80 0.87 0.00	51.86 0.89 0.00	56.38 1.48 0.00	60.90 1.03 0.00	52.92 0.37 0.00	57.48 0.26 0.00	65.25 0.91 0.00	74.44 0.29 10.11	46.50 -0.02 0.00	46.74 -0.05 0.00	35.79 -0.15 0.00	35.49 -0.13 0.00	34.96 -0.07 0.00
N.AKRON__115KV_KNAPP 355671	31.67 -2.21 0.00	33.51 -2.09 0.00	34.04 -2.09 0.00	33.65 -2.27 0.00	37.60 -2.82 0.00	44.14 -4.98 0.82	39.74 -6.03 8.33	52.32 -6.26 0.00	40.77 -4.71 0.00	39.01 -4.01 1.85	40.47 -4.12 0.61	37.28 -4.39 1.26	45.69 -5.27 0.00	45.48 -5.54 3.87	42.02 -6.22 11.62	41.09 -5.67 5.79	44.93 -5.81 6.48	58.23 -6.08 0.03	67.45 -6.70 0.00	51.67 -4.95 0.00	37.57 -4.73 4.49	30.77 -3.88 1.29	31.90 -3.72 0.00	31.35 -3.68 0.00
N.E_GEN_SANDY PD 24062	36.07 1.33 -0.86	37.36 1.39 -0.37	37.51 1.37 0.00	37.94 1.51 -0.52	41.96 1.54 0.00	56.15 2.11 -4.11	59.98 2.32 -3.56	56.92 2.08 3.74	47.15 1.67 0.00	46.25 1.38 0.00	46.42 1.21 0.00	44.27 1.35 0.00	52.74 1.77 0.00	59.06 1.89 -2.28	62.15 2.29 0.00	55.72 2.12 -1.05	60.41 1.90 -1.29	60.29 1.72 5.76	76.14 2.30 0.31	58.51 1.89 0.00	48.48 1.69 0.00	37.21 1.28 0.00	36.93 1.31 0.00	36.90 1.51 -0.36
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	35.76 1.87 0.00	37.50 1.90 0.00	38.03 1.89 0.00	37.76 1.84 0.00	42.62 2.20 0.00	52.89 2.95 0.00	57.70 3.59 0.00	62.68 4.10 0.00	48.90 3.43 0.00	48.17 3.30 0.00	48.73 3.52 0.00	46.50 3.57 0.00	54.95 3.98 0.00	58.80 3.90 0.00	63.89 4.02 0.00	56.18 3.63 0.00	61.21 3.99 0.00	68.77 4.43 0.00	79.26 5.11 0.00	60.50 3.87 0.00	49.97 3.18 0.00	38.60 2.66 0.00	38.25 2.64 0.00	37.44 2.41 0.00
N.QUEENS_27_KV_LOAD 356247	35.59 1.71 0.00	37.30 1.70 0.00	37.72 1.59 0.00	37.44 1.53 0.00	42.67 2.25 0.00	53.13 3.20 0.00	58.16 4.05 0.00	63.34 4.76 0.00	49.66 4.19 0.00	48.87 4.00 0.00	49.34 4.13 0.00	47.13 4.21 0.00	55.44 4.47 0.00	59.30 4.41 0.00	64.41 4.55 0.00	56.60 4.05 0.00	61.71 4.49 0.00	69.21 4.87 0.00	79.76 5.61 0.00	60.96 4.34 0.00	50.43 3.64 0.00	39.07 3.13 0.00	38.64 3.02 0.00	37.76 2.73 0.00
N.TROY___115KV_TB1 355778	35.13 1.24 0.00	36.88 1.29 0.00	37.42 1.29 0.00	37.30 1.39 0.00	41.88 1.46 0.00	51.92 1.98 0.00	56.35 2.24 0.00	60.67 2.09 0.00	47.03 1.55 0.00	46.11 1.24 0.00	46.32 1.12 0.00	44.15 1.23 0.00	52.66 1.70 0.00	56.64 1.74 0.00	62.02 2.15 0.00	54.63 2.09 0.00	59.25 2.03 0.00	66.32 1.99 0.00	76.64 2.49 0.00	58.62 2.00 0.00	48.52 1.74 0.00	37.23 1.29 0.00	36.91 1.29 0.00	36.44 1.42 0.00
NARROWS_GT1_1 24228	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT1_2 24229	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT1_3 24230	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT1_4 24231	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT1_5 24232	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00



NARROWS_GT1_6 24233	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT1_7 24234	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT1_8 24235	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_1 24236	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_2 24237	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_3 24238	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_4 24239	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_5 24240	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_6 24241	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_7 24242	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NARROWS_GT2_8 24243	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.57 4.02 0.00	61.74 4.51 0.00	69.26 4.92 0.00	79.77 5.62 0.00	60.98 4.36 0.00	50.54 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	35.41 1.53 0.00	37.21 1.61 0.00	37.82 1.68 0.00	37.67 1.75 0.00	42.32 1.90 0.00	52.43 2.50 0.00	57.04 2.94 0.00	61.71 3.13 0.00	47.72 2.24 0.00	46.58 1.70 0.00	46.50 1.29 0.00	44.22 1.30 0.00	52.90 1.93 0.00	56.94 2.04 0.00	62.16 2.29 0.00	55.32 2.77 0.00	60.20 2.97 0.00	67.53 3.19 0.00	77.88 3.73 0.00	59.45 2.83 0.00	49.18 2.39 0.00	37.70 1.77 0.00	37.26 1.64 0.00	36.67 1.64 0.00
NCHELSEA_115KV_TR2 355582	35.93 2.04 0.00	37.69 2.09 0.00	38.23 2.09 0.00	37.97 2.05 0.00	42.86 2.44 0.00	53.16 3.22 0.00	57.99 3.88 0.00	62.94 4.37 0.00	49.09 3.62 0.00	48.30 3.43 0.00	48.78 3.57 0.00	46.54 3.61 0.00	55.08 4.11 0.00	58.92 4.03 0.00	64.05 4.18 0.00	56.39 3.84 0.00	61.46 4.24 0.00	69.02 4.69 0.00	79.61 5.46 0.00	60.77 4.15 0.00	50.21 3.43 0.00	38.75 2.81 0.00	38.36 2.75 0.00	37.55 2.52 0.00
NEG CAPITAL____MECHNVIL 23645	35.52 1.64 0.00	37.29 1.69 0.00	37.82 1.68 0.00	37.70 1.78 0.00	42.37 1.95 0.00	52.56 2.62 0.00	57.08 2.97 0.00	61.44 2.86 0.00	47.41 1.94 0.00	46.41 1.54 0.00	46.65 1.45 0.00	44.46 1.54 0.00	53.17 2.20 0.00	57.05 2.15 0.00	62.68 2.81 0.00	55.28 2.73 0.00	60.06 2.84 0.00	67.34 3.00 0.00	77.77 3.62 0.00	59.45 2.83 0.00	49.17 2.38 0.00	37.69 1.75 0.00	37.33 1.71 0.00	36.81 1.79 0.00
NEG CENTRAL_HIGH_ACRES 23767	31.95 -1.93 0.00	33.65 -1.95 0.00	34.16 -1.98 0.00	33.86 -2.06 0.00	38.05 -2.37 0.00	46.42 -3.51 0.01	50.24 -3.87 0.00	54.36 -4.22 0.00	42.20 -3.27 0.00	41.34 -2.91 0.62	42.02 -2.99 0.20	39.52 -2.98 0.42	47.43 -3.54 0.00	49.90 -3.71 1.29	51.75 -4.26 3.86	46.98 -3.68 1.89	51.30 -3.83 2.10	60.27 -4.06 0.01	69.61 -4.54 0.00	53.21 -3.42 0.00	42.23 -3.19 1.37	32.92 -2.62 0.40	33.01 -2.61 0.00	32.42 -2.61 0.00



NEG CENTRAL___DRP 24199	33.13 -0.75 0.00	34.82 -0.77 0.00	35.37 -0.76 0.00	35.07 -0.85 0.00	39.56 -0.86 0.00	48.61 -1.33 0.00	52.74 -1.37 0.00	57.18 -1.40 0.00	44.20 -1.28 0.00	43.63 -1.25 0.00	43.96 -1.25 0.00	41.74 -1.18 0.00	49.65 -1.32 0.00	53.55 -1.35 0.00	58.31 -1.56 0.00	51.21 -1.34 0.00	55.82 -1.40 0.00	62.92 -1.42 0.00	72.64 -1.51 0.00	55.50 -1.12 0.00	45.65 -1.14 0.00	34.93 -1.01 0.00	34.56 -1.05 0.00	33.93 -1.09 0.00
NEG CENTRAL___INDECK 23768	32.85 -1.03 0.00	34.57 -1.03 0.00	35.08 -1.06 0.00	34.64 -1.28 0.00	39.03 -1.39 0.00	51.77 -2.42 -4.25	97.35 -2.53 -45.77	56.37 -2.21 0.00	43.00 -2.47 0.00	36.71 -2.47 5.69	41.11 -2.21 1.89	36.62 -2.45 3.86	48.06 -2.91 0.00	39.59 -3.41 11.90	21.00 -3.70 35.16	34.51 -2.79 15.25	37.33 -2.82 17.07	61.79 -2.47 0.08	71.94 -2.21 0.00	54.94 -1.68 0.00	37.31 -2.02 7.47	31.68 -1.84 2.41	33.78 -1.84 0.00	33.18 -1.85 0.00
NEG CENTRAL___SENECA 23627	32.98 -0.90 0.00	34.69 -0.91 0.00	35.22 -0.91 0.00	34.91 -1.01 0.00	39.34 -1.08 0.00	48.22 -1.71 0.01	52.33 -1.78 0.00	56.77 -1.81 0.00	43.89 -1.58 0.00	42.98 -1.48 0.41	43.60 -1.47 0.14	41.22 -1.43 0.28	49.34 -1.63 0.00	52.39 -1.66 0.85	55.36 -1.94 2.56	49.61 -1.68 1.26	54.11 -1.72 1.40	62.59 -1.74 0.01	72.31 -1.84 0.00	55.22 -1.40 0.00	44.42 -1.45 0.92	34.40 -1.27 0.27	34.31 -1.31 0.00	33.69 -1.33 0.00
NEG CENTRAL___STATE_STREET 24147	33.59 -0.29 0.00	35.20 -0.40 0.00	35.83 -0.30 0.00	35.58 -0.34 0.00	40.15 -0.27 0.00	49.45 -0.51 -0.02	53.69 -0.41 0.00	58.12 -0.46 0.00	44.86 -0.62 0.00	45.19 -0.70 -1.02	44.75 -0.79 -0.34	42.98 -0.64 -0.69	50.37 -0.60 0.00	56.45 -0.58 -2.13	65.57 -0.66 -6.36	55.01 -0.55 -3.01	59.92 -0.71 -3.40	63.79 -0.56 -0.01	73.63 -0.52 0.00	56.28 -0.34 0.00	48.37 -0.40 -1.99	36.04 -0.49 -0.59	35.16 -0.46 0.00	34.54 -0.48 0.00
NEG MILLWOOD___DRP 24198	35.97 2.09 0.00	37.73 2.13 0.00	38.26 2.12 0.00	37.99 2.08 0.00	42.90 2.48 0.00	53.23 3.29 0.00	58.10 4.00 0.00	63.11 4.52 0.00	49.24 3.76 0.00	48.46 3.59 0.00	48.96 3.76 0.00	46.71 3.79 0.00	55.24 4.27 0.00	59.09 4.19 0.00	64.20 4.33 0.00	56.47 3.92 0.00	61.58 4.36 0.00	69.19 4.85 0.00	79.82 5.67 0.00	60.92 4.30 0.00	50.32 3.53 0.00	38.84 2.90 0.00	38.44 2.83 0.00	37.61 2.58 0.00
NEG NORTH_FLCN_SEA 23793	34.18 0.30 0.00	35.83 0.23 0.00	36.01 -0.13 0.00	35.73 -0.19 0.00	40.22 -0.20 0.00	49.83 -0.10 0.00	53.19 -0.92 0.00	57.45 -1.13 0.00	44.64 -0.84 0.00	44.50 -0.38 0.00	45.21 0.01 0.00	42.68 -0.24 0.00	50.55 -0.42 0.00	55.07 0.17 0.00	59.71 -0.15 0.00	51.64 -0.91 0.00	55.94 -1.28 0.00	63.51 -0.83 0.00	72.32 -1.83 0.00	41.24 -1.64 13.74	45.53 -1.26 0.00	35.00 -0.94 0.00	34.90 -0.72 0.00	34.45 -0.57 0.00
NEG NORTH_KES_CHATEGAY 23792	33.99 0.11 0.00	35.66 0.06 0.00	35.87 -0.27 0.00	35.57 -0.35 0.00	40.06 -0.36 0.00	49.74 -0.20 0.00	53.44 -0.67 0.00	57.91 -0.67 0.00	44.93 -0.55 0.00	44.66 -0.21 0.00	45.40 0.19 0.00	42.80 -0.13 0.00	50.63 -0.33 0.00	54.99 0.09 0.00	59.82 -0.04 0.00	52.10 -0.45 0.00	56.39 -0.83 0.00	64.11 -0.23 0.00	73.09 -1.06 0.00	42.81 -1.05 12.76	45.86 -0.92 0.00	35.15 -0.79 0.00	34.89 -0.73 0.00	34.39 -0.64 0.00
NEG NORTH___ALICE_FALLS 23915	34.36 0.48 0.00	36.03 0.43 0.00	36.22 0.08 0.00	35.92 0.00 0.00	40.45 0.03 0.00	50.15 0.21 0.00	53.70 -0.41 0.00	58.07 -0.51 0.00	45.01 -0.46 0.00	44.71 -0.16 0.00	45.41 0.20 0.00	42.93 0.01 0.00	50.85 -0.12 0.00	55.51 0.61 0.00	60.17 0.31 0.00	52.13 -0.41 0.00	56.56 -0.66 0.00	64.27 -0.06 0.00	73.19 -0.96 0.00	42.07 -0.99 13.56	46.02 -0.76 0.00	35.29 -0.64 0.00	35.11 -0.51 0.00	34.60 -0.42 0.00
NEG NORTH___LWR_SARANAC 23913	34.36 0.48 0.00	36.03 0.43 0.00	36.22 0.08 0.00	35.92 0.00 0.00	40.45 0.03 0.00	50.15 0.21 0.00	53.70 -0.41 0.00	58.07 -0.51 0.00	45.01 -0.46 0.00	44.71 -0.16 0.00	45.41 0.20 0.00	42.93 0.01 0.00	50.85 -0.12 0.00	55.51 0.61 0.00	60.17 0.31 0.00	52.13 -0.41 0.00	56.56 -0.66 0.00	64.27 -0.06 0.00	73.19 -0.96 0.00	42.07 -0.99 13.56	46.02 -0.76 0.00	35.29 -0.64 0.00	35.11 -0.51 0.00	34.60 -0.42 0.00
NEG NORTH___PLATTSBURG 23628	34.36 0.48 0.00	36.03 0.43 0.00	36.22 0.08 0.00	35.92 0.00 0.00	40.45 0.03 0.00	50.15 0.21 0.00	53.70 -0.41 0.00	58.07 -0.51 0.00	45.01 -0.46 0.00	44.71 -0.16 0.00	45.41 0.20 0.00	42.94 0.01 0.00	50.85 -0.12 0.00	55.50 0.61 0.00	60.18 0.31 0.00	52.14 -0.41 0.00	56.56 -0.65 0.00	64.28 -0.06 0.00	73.19 -0.96 0.00	42.08 -0.97 13.56	46.02 -0.76 0.00	35.29 -0.64 0.00	35.11 -0.51 0.00	34.60 -0.42 0.00
NEG WEST_LEA_LOCKPORT 23791	31.15 -2.73 0.00	32.98 -2.63 0.00	33.49 -2.64 0.00	33.10 -2.82 0.00	36.94 -3.48 0.00	43.01 -5.93 1.00	36.64 -7.22 10.24	51.02 -7.56 0.00	39.79 -5.69 0.00	37.97 -4.96 1.94	39.47 -5.10 0.64	36.28 -5.33 1.31	44.53 -6.43 0.00	44.09 -6.75 4.05	40.06 -7.64 12.17	39.58 -6.89 6.08	43.31 -7.10 6.80	56.70 -7.61 0.03	65.72 -8.42 0.00	50.39 -6.24 0.00	36.18 -5.78 4.83	29.89 -4.67 1.38	31.15 -4.47 0.00	30.67 -4.35 0.00
NEG WEST___LANCASTER 23811	31.54 -2.34 0.00	33.25 -2.35 0.00	33.78 -2.35 0.00	33.33 -2.59 0.00	37.53 -2.89 0.00	44.26 -4.81 0.86	39.84 -5.62 8.64	52.86 -5.72 0.00	41.12 -4.35 0.00	38.36 -3.84 2.66	40.36 -3.97 0.88	36.88 -4.23 1.81	45.98 -4.99 0.00	43.93 -5.40 5.57	37.06 -6.03 16.78	38.44 -5.51 8.60	42.00 -5.60 9.62	58.21 -6.09 0.04	67.61 -6.54 0.00	51.72 -4.90 0.00	35.85 -4.70 6.24	30.37 -3.76 1.80	31.99 -3.63 0.00	31.51 -3.51 0.00
NEG_PENN_ALLEGHNY 23528	33.83 -0.05 0.00	35.56 -0.04 0.00	36.15 0.02 0.00	35.86 -0.06 0.00	40.51 0.09 0.00	50.11 -0.07 -0.24	56.73 0.02 -2.60	58.63 0.05 0.00	45.29 -0.18 0.00	43.93 -0.30 0.64	44.66 -0.33 0.21	42.12 -0.37 0.44	50.67 -0.30 0.00	53.11 -0.44 1.35	55.33 -0.55 3.98	50.49 -0.33 1.73	55.12 -0.24 1.86	64.10 -0.23 0.01	74.09 -0.06 0.00	56.58 -0.04 0.00	45.86 -0.16 0.77	35.65 -0.06 0.24	35.53 -0.09 0.00	34.89 -0.14 0.00
NEG___GEN_MONROE 24207	32.47 -1.41 0.00	34.24 -1.36 0.00	34.77 -1.37 0.00	34.41 -1.50 0.00	38.62 -1.81 0.00	46.63 -3.11 0.20	48.57 -3.61 1.93	54.86 -3.72 0.00	42.62 -2.86 0.00	41.14 -2.39 1.34	42.31 -2.46 0.45	39.40 -2.61 0.91	47.82 -3.15 0.00	48.78 -3.31 2.81	47.70 -3.75 8.41	45.19 -3.30 4.06	49.37 -3.32 4.53	60.94 -3.38 0.02	70.47 -3.68 0.00	53.89 -2.73 0.00	41.18 -2.72 2.88	32.80 -2.30 0.84	33.37 -2.25 0.00	32.78 -2.25 0.00
NEPA___ENERGY 23901	31.72 -2.17 0.00	33.39 -2.21 0.00	33.96 -2.17 0.00	33.41 -2.51 0.00	38.00 -2.43 0.00	44.92 -4.23 0.79	41.47 -4.79 7.85	54.00 -4.58 0.00	41.88 -3.59 0.00	38.61 -3.56 2.70	40.72 -3.59 0.90	36.87 -3.99 2.07	46.51 -4.46 0.00	44.17 -5.07 5.66	37.00 -5.86 17.00	38.72 -5.27 8.57	42.27 -5.37 9.58	58.69 -5.60 0.04	68.37 -5.78 0.00	52.26 -4.36 0.00	36.03 -4.53 6.23	30.68 -3.49 1.77	32.33 -3.29 0.00	31.84 -3.18 0.00



NEVERSINK___HYD 23608	35.40 1.51 0.00	37.15 1.55 0.00	37.72 1.58 0.00	37.46 1.54 0.00	42.28 1.86 0.00	52.44 2.50 0.00	57.20 3.09 0.00	62.18 3.60 0.00	48.42 2.94 0.00	47.57 2.70 0.00	47.81 2.61 0.00	45.62 2.69 0.00	53.83 2.86 0.00	56.33 1.44 0.00	61.26 1.40 0.00	54.00 1.46 0.00	58.94 1.72 0.00	66.22 1.88 0.00	76.33 2.17 0.00	58.25 1.63 0.00	48.32 1.54 0.00	38.14 2.21 0.00	37.76 2.14 0.00	36.95 1.92 0.00
NEWKRMKL_115KV_TB1 55635	34.99 1.11 0.00	36.77 1.17 0.00	37.34 1.21 0.00	37.19 1.27 0.00	41.77 1.35 0.00	51.72 1.78 0.00	56.16 2.05 0.00	60.60 2.02 0.00	47.07 1.60 0.00	46.24 1.36 0.00	46.48 1.27 0.00	44.30 1.38 0.00	52.77 1.80 0.00	56.67 1.77 0.00	61.99 2.13 0.00	54.60 2.05 0.00	59.24 2.02 0.00	66.34 2.01 0.00	76.58 2.43 0.00	58.52 1.90 0.00	48.46 1.67 0.00	37.26 1.32 0.00	36.88 1.26 0.00	36.32 1.29 0.00
NEWTON___FALLS_HYD 23847	33.99 0.11 0.00	35.62 0.02 0.00	36.01 -0.12 0.00	35.88 -0.04 0.00	40.49 0.07 0.00	49.90 -0.04 0.00	53.82 -0.29 0.00	58.18 -0.40 0.00	45.17 -0.31 0.00	45.10 0.23 0.00	46.91 1.70 0.00	43.86 0.94 0.00	51.98 1.01 0.00	55.10 0.20 0.00	60.10 0.24 0.00	52.41 -0.14 0.00	57.31 0.09 0.00	64.57 0.23 0.00	74.15 0.00 1.54	54.90 -0.19 0.00	46.61 -0.18 0.00	35.83 -0.11 0.00	35.54 -0.08 0.00	34.90 -0.13 0.00
NGRID_A1_DSASP 323792	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.22 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
NGRID_A2_DSASP 323793	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.22 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
NGRID_A4_DSASP 323807	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.28 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
NIAGARA_115E_LBMP 323715	30.79 -3.09 0.00	32.64 -2.97 0.00	33.14 -3.00 0.00	32.77 -3.15 0.00	36.53 -3.90 0.00	42.40 -6.61 0.93	36.53 -8.12 9.45	50.04 -8.54 0.00	39.03 -6.44 0.00	37.13 -5.73 2.02	38.71 -5.83 0.67	35.52 -6.04 1.37	43.71 -7.26 0.00	43.08 -7.59 4.23	38.57 -8.60 12.69	38.47 -7.71 6.37	42.03 -8.07 7.12	55.61 -8.69 0.03	64.48 -9.67 0.00	49.46 -7.16 0.00	35.31 -6.54 4.93	29.31 -5.22 1.41	30.63 -4.99 0.00	30.15 -4.87 0.00
NIAGARA_115W_LBMP 323714	30.28 -3.61 0.00	32.12 -3.48 0.00	32.64 -3.49 0.00	32.12 -3.79 0.00	35.81 -4.61 0.00	41.83 -7.17 0.94	36.33 -8.19 9.58	49.38 -9.21 0.00	38.55 -6.92 0.00	36.74 -6.08 2.05	38.26 -6.27 0.68	35.13 -6.40 1.39	43.19 -7.77 0.00	42.24 -8.36 4.29	38.19 -8.78 12.90	37.72 -8.35 6.48	41.30 -8.68 7.24	54.27 -10.04 0.03	62.89 -11.26 0.00	48.24 -8.38 0.00	34.62 -7.17 5.00	28.58 -5.92 1.43	29.81 -5.81 0.00	29.38 -5.65 0.00
NIAGARA_230_LBMP 323716	30.99 -2.90 0.00	32.76 -2.84 0.00	33.28 -2.86 0.00	32.86 -3.05 0.00	36.72 -3.70 0.00	42.96 -6.12 0.87	37.98 -7.34 8.78	50.86 -7.72 0.00	39.66 -5.82 0.00	37.78 -5.14 1.96	39.26 -5.29 0.65	36.13 -5.47 1.33	44.39 -6.57 0.00	43.83 -6.96 4.10	39.67 -7.89 12.31	39.41 -7.01 6.13	43.06 -7.31 6.85	56.40 -7.91 0.03	65.38 -8.77 0.00	50.15 -6.47 0.00	36.13 -5.96 4.70	29.82 -4.77 1.35	31.06 -4.56 0.00	30.61 -4.42 0.00
NIAGARA___115KV_198_GIBSON 55903	30.28 -3.61 0.00	32.14 -3.46 0.00	32.64 -3.49 0.00	32.11 -3.80 0.00	35.81 -4.61 0.00	41.81 -7.18 0.94	36.28 -8.24 9.58	49.37 -9.21 0.00	38.56 -6.92 0.00	36.73 -6.09 2.05	38.28 -6.24 0.68	35.12 -6.41 1.39	43.16 -7.81 0.00	42.21 -8.39 4.29	38.35 -8.62 12.90	37.69 -8.38 6.48	41.54 -8.44 7.24	54.27 -10.03 0.03	62.92 -11.23 0.00	48.21 -8.41 0.00	34.75 -7.04 5.00	28.58 -5.93 1.43	29.81 -5.81 0.00	29.38 -5.65 0.00
NIAGARA____ 23760	30.99 -2.90 0.00	32.76 -2.84 0.00	33.28 -2.86 0.00	32.86 -3.05 0.00	36.72 -3.70 0.00	42.94 -6.12 0.88	37.73 -7.34 9.04	50.86 -7.72 0.00	39.66 -5.82 0.00	37.75 -5.14 1.99	39.26 -5.29 0.66	36.11 -5.47 1.34	44.39 -6.57 0.00	43.79 -6.96 4.15	39.52 -7.89 12.45	39.32 -7.01 6.22	42.95 -7.31 6.96	56.40 -7.91 0.03	65.38 -8.77 0.00	50.15 -6.47 0.00	36.05 -5.96 4.79	29.80 -4.77 1.37	31.06 -4.56 0.00	30.61 -4.42 0.00
NINE_MILE_1 23575	32.53 -1.36 0.00	34.20 -1.40 0.00	34.73 -1.41 0.00	34.51 -1.40 0.00	38.83 -1.59 0.00	47.85 -2.09 0.00	51.88 -2.22 0.00	56.18 -2.40 0.00	43.56 -1.91 0.00	43.00 -1.87 0.00	43.34 -1.87 0.00	41.15 -1.78 0.00	48.87 -2.10 0.00	52.64 -2.26 0.00	57.35 -2.52 0.00	50.40 -2.14 0.00	54.89 -2.33 0.00	61.72 -2.62 0.00	71.18 -2.97 0.00	54.36 -2.26 0.00	44.88 -1.91 0.00	34.46 -1.47 0.00	34.14 -1.48 0.00	33.55 -1.47 0.00
NINE_MILE_2 23744	32.53 -1.36 0.00	34.20 -1.40 0.00	34.73 -1.41 0.00	34.51 -1.40 0.00	38.83 -1.59 0.00	47.86 -2.08 0.00	51.88 -2.22 0.00	56.18 -2.40 0.00	43.57 -1.91 0.00	43.01 -1.87 0.00	43.34 -1.87 0.00	41.15 -1.78 0.00	48.87 -2.10 0.00	52.65 -2.25 0.00	57.35 -2.52 0.00	50.41 -2.14 0.00	54.90 -2.32 0.00	61.72 -2.62 0.00	71.19 -2.96 0.00	54.37 -2.25 0.00	44.88 -1.91 0.00	34.46 -1.47 0.00	34.14 -1.48 0.00	33.56 -1.47 0.00
NM_CAPITAL___DRP 24208	34.91 1.03 0.00	36.68 1.08 0.00	37.25 1.11 0.00	37.10 1.18 0.00	41.67 1.24 0.00	51.58 1.64 0.00	55.98 1.88 0.00	60.40 1.82 0.00	46.95 1.48 0.00	46.14 1.27 0.00	46.39 1.18 0.00	44.21 1.29 0.00	52.59 1.63 0.00	56.55 1.65 0.00	61.79 1.92 0.00	54.40 1.85 0.00	59.01 1.79 0.00	66.07 1.73 0.00	76.28 2.13 0.00	58.31 1.69 0.00	48.29 1.50 0.00	37.13 1.19 0.00	36.77 1.16 0.00	36.24 1.21 0.00
NM_CENTRAL___DRP 24181	33.13 -0.76 0.00	34.85 -0.75 0.00	35.39 -0.74 0.00	35.16 -0.76 0.00	39.60 -0.83 0.00	48.80 -1.14 0.00	52.95 -1.16 0.00	57.34 -1.24 0.00	44.40 -1.07 0.00	43.82 -1.05 0.00	44.19 -1.02 0.00	41.93 -0.99 0.00	49.83 -1.14 0.00	53.71 -1.19 0.00	58.49 -1.38 0.00	51.39 -1.16 0.00	55.98 -1.24 0.00	62.95 -1.39 0.00	72.58 -1.57 0.00	55.44 -1.18 0.00	45.73 -1.05 0.00	35.15 -0.79 0.00	34.80 -0.82 0.00	34.16 -0.86 0.00



NM_FRONTIER___DRP 24179	30.28 -3.61 0.00	32.14 -3.46 0.00	32.64 -3.49 0.00	32.11 -3.80 0.00	35.81 -4.61 0.00	41.81 -7.18 0.94	36.28 -8.24 9.58	49.37 -9.21 0.00	38.56 -6.92 0.00	36.73 -6.09 2.05	38.28 -6.24 0.68	35.12 -6.41 1.39	43.16 -7.81 0.00	42.21 -8.39 4.29	38.35 -8.62 12.90	37.69 -8.38 6.48	41.54 -8.44 7.24	54.27 -10.03 0.03	62.92 -11.23 0.00	48.21 -8.41 0.00	34.75 -7.04 5.00	28.58 -5.93 1.43	29.81 -5.81 0.00	29.38 -5.65 0.00
NM_ST_REGIS___HYD 24053	34.59 0.71 0.00	36.28 0.68 0.00	36.63 0.50 0.00	36.38 0.46 0.00	41.01 0.59 0.00	50.85 0.91 0.00	54.67 0.56 0.00	59.28 0.70 0.00	46.01 0.54 0.00	45.90 1.03 0.00	48.23 3.03 0.00	45.05 2.12 0.00	53.29 2.32 0.00	56.28 1.38 0.00	61.34 1.47 0.00	53.37 0.82 0.00	58.20 0.98 0.00	65.76 1.43 0.00	75.29 1.13 0.00	53.44 0.70 3.88	47.35 0.56 0.00	36.29 0.35 0.00	36.07 0.45 0.00	35.51 0.48 0.00
NORTHPORT___1 23551	35.65 1.77 0.00	37.40 1.80 0.00	37.86 1.73 0.00	37.63 1.71 0.00	42.47 2.05 0.00	52.91 2.97 0.00	58.09 3.98 0.00	63.13 4.55 0.00	49.14 3.67 0.00	48.23 3.36 0.00	48.72 3.51 0.00	46.95 3.79 -0.24	54.71 3.74 0.00	58.87 3.97 0.00	64.14 4.28 0.00	58.75 3.90 -2.30	61.63 4.40 0.00	68.93 4.59 0.00	79.35 5.33 0.14	60.65 4.03 0.00	50.41 3.62 0.00	38.63 2.69 0.00	38.19 2.57 0.00	37.38 2.35 0.00
NORTHPORT___2 23552	35.65 1.77 0.00	37.40 1.80 0.00	37.86 1.73 0.00	37.63 1.71 0.00	42.47 2.05 0.00	52.91 2.97 0.00	58.09 3.98 0.00	63.13 4.55 0.00	49.14 3.67 0.00	48.23 3.36 0.00	48.72 3.51 0.00	46.95 3.79 -0.24	54.71 3.74 0.00	58.87 3.97 0.00	64.14 4.28 0.00	58.75 3.90 -2.30	61.63 4.40 0.00	68.93 4.59 0.00	79.35 5.33 0.14	60.65 4.03 0.00	50.41 3.62 0.00	38.63 2.69 0.00	38.19 2.57 0.00	37.38 2.35 0.00
NORTHPORT___3 23553	35.23 1.35 0.00	36.97 1.37 0.00	37.47 1.33 0.00	37.22 1.30 0.00	42.01 1.59 0.00	52.09 2.15 0.00	57.02 2.92 0.00	62.04 3.46 0.00	48.39 2.92 0.00	47.55 2.68 0.00	48.22 3.02 0.00	46.52 3.36 -0.24	54.14 3.10 -0.07	58.14 3.24 0.00	63.28 3.42 0.00	58.10 3.21 -2.34	60.90 3.67 0.00	67.97 3.63 0.00	75.00 4.09 3.23	59.71 3.09 0.00	49.53 2.75 0.00	38.09 2.15 0.00	37.66 2.04 0.00	36.87 1.84 0.00
NORTHPORT___4 23650	35.23 1.35 0.00	36.97 1.37 0.00	37.47 1.33 0.00	37.22 1.30 0.00	42.01 1.59 0.00	52.09 2.15 0.00	57.02 2.92 0.00	62.04 3.46 0.00	48.39 2.92 0.00	47.55 2.68 0.00	48.22 3.02 0.00	46.52 3.36 -0.24	54.14 3.10 -0.07	58.14 3.24 0.00	63.28 3.42 0.00	58.10 3.21 -2.34	60.90 3.67 0.00	67.97 3.63 0.00	75.00 4.09 3.23	59.71 3.09 0.00	49.53 2.75 0.00	38.09 2.15 0.00	37.66 2.04 0.00	36.87 1.84 0.00
NORTHPORT___IC 23718	35.65 1.77 0.00	37.40 1.80 0.00	37.86 1.73 0.00	37.63 1.71 0.00	42.48 2.06 0.00	52.90 2.97 0.00	58.10 3.99 0.00	63.13 4.55 0.00	49.13 3.66 0.00	48.23 3.35 0.00	48.72 3.51 0.00	46.94 3.78 -0.24	54.73 3.75 0.00	58.87 3.97 0.00	64.13 4.26 0.00	58.75 3.90 -2.30	61.63 4.41 0.00	68.93 4.59 0.00	79.35 5.34 0.14	60.65 4.03 0.00	50.41 3.62 0.00	38.63 2.69 0.00	38.19 2.57 0.00	37.38 2.36 0.00
NORTH___COUNTRY_ESR 323785	33.92 0.04 0.00	35.60 0.00 0.00	35.81 -0.32 0.00	35.50 -0.42 0.00	40.00 -0.43 0.00	49.64 -0.30 0.00	53.32 -0.79 0.00	57.80 -0.78 0.00	44.91 -0.56 0.00	44.65 -0.22 0.00	45.35 0.14 0.00	42.75 -0.17 0.00	50.62 -0.34 0.00	54.91 0.01 0.00	59.73 -0.14 0.00	51.98 -0.57 0.00	56.31 -0.91 0.00	63.87 -0.47 0.00	72.93 -1.22 0.00	42.69 -1.20 12.74	45.76 -1.03 0.00	35.08 -0.86 0.00	34.83 -0.78 0.00	34.33 -0.70 0.00
NPX_GEN_1385_PROXY 323591	35.44 1.56 0.00	37.38 1.78 0.00	37.73 1.59 0.00	37.63 1.71 0.00	42.37 1.95 0.00	53.13 3.19 0.00	157.63 4.43 -99.09	106.52 5.02 -42.92	49.11 3.63 0.00	48.20 3.32 0.00	48.43 3.22 0.00	46.71 3.54 -0.24	54.43 3.46 0.00	58.57 3.67 0.00	63.93 4.07 0.00	58.52 3.67 -2.30	61.90 4.68 0.00	69.00 4.66 0.00	79.66 5.65 0.14	61.15 4.08 -0.45	50.70 3.92 0.00	38.51 2.57 0.00	37.97 2.35 0.00	37.31 2.29 0.00
NPX_GEN_CSC 323557	34.84 1.25 0.29	35.43 1.18 1.35	35.57 1.10 1.66	35.50 1.07 1.48	39.71 1.35 2.06	52.03 2.14 0.05	57.29 3.18 0.00	62.24 3.67 0.00	47.39 3.00 1.09	44.73 2.57 2.71	38.81 2.71 9.11	43.52 3.05 2.45	50.23 2.82 3.55	58.07 3.17 0.00	63.29 3.43 0.00	58.08 3.20 -2.33	59.21 3.48 1.49	63.24 3.45 4.55	74.83 4.02 3.33	60.18 3.11 -0.45	49.83 3.04 0.00	38.15 2.21 0.00	37.65 2.03 0.00	36.61 1.72 0.13
NSINS_S_GLNS_FALLS 23858	35.55 1.66 0.00	37.31 1.71 0.00	37.70 1.56 0.00	37.72 1.80 0.00	42.37 1.95 0.00	52.70 2.76 0.00	57.15 3.05 0.00	61.28 2.70 0.00	47.09 1.62 0.00	45.91 1.04 0.00	46.17 0.96 0.00	44.05 1.13 0.00	52.92 1.95 0.00	56.67 1.78 0.00	62.34 2.48 0.00	55.11 2.56 0.00	59.94 2.72 0.00	67.35 3.01 0.00	77.86 3.71 0.00	59.52 2.90 0.00	49.20 2.42 0.00	37.62 1.68 0.00	37.24 1.62 0.00	36.79 1.77 0.00
NUCOR_STEEL___DRP 24197	33.59 -0.29 0.00	35.19 -0.41 0.00	35.83 -0.30 0.00	35.58 -0.34 0.00	40.15 -0.27 0.00	49.44 -0.51 -0.01	53.70 -0.41 0.00	58.12 -0.46 0.00	44.88 -0.60 0.00	45.15 -0.68 -0.96	44.71 -0.81 -0.32	42.94 -0.64 -0.65	50.37 -0.60 0.00	56.32 -0.58 -2.01	65.20 -0.65 -5.99	54.84 -0.56 -2.84	59.70 -0.73 -3.21	63.76 -0.59 -0.01	73.61 -0.54 0.00	56.28 -0.35 0.00	48.27 -0.39 -1.88	36.00 -0.49 -0.55	35.17 -0.46 0.00	34.56 -0.47 0.00
NUMBER_THREE_WT_PWR 323818	33.55 -0.33 0.00	35.11 -0.49 0.00	35.48 -0.66 0.00	35.45 -0.46 0.00	40.08 -0.34 0.00	49.31 -0.63 0.00	53.30 -0.81 0.00	57.42 -1.16 0.00	44.52 -0.96 0.00	44.36 -0.51 0.00	45.39 0.18 0.00	42.60 -0.33 0.00	50.55 -0.42 0.00	54.38 -0.51 0.00	59.19 -0.67 0.00	51.70 -0.85 0.00	56.63 -0.59 0.00	63.63 -0.71 0.00	73.27 -0.88 0.00	55.00 -0.96 0.67	45.96 -0.82 0.00	35.28 -0.66 0.00	34.92 -0.70 0.00	34.21 -0.81 0.00
NYISO_LBMP_REFERENCE 24008	33.88 0.00 0.00	35.60 0.00 0.00	36.13 0.00 0.00	35.92 0.00 0.00	40.42 0.00 0.00	49.94 0.00 0.00	54.11 0.00 0.00	58.58 0.00 0.00	45.48 0.00 0.00	44.87 0.00 0.00	45.21 0.00 0.00	42.92 0.00 0.00	50.97 0.00 0.00	54.90 0.00 0.00	59.86 0.00 0.00	52.55 0.00 0.00	57.22 0.00 0.00	64.34 0.00 0.00	74.15 0.00 0.00	56.62 0.00 0.00	46.79 0.00 0.00	35.94 0.00 0.00	35.62 0.00 0.00	35.03 0.00 0.00
NYPA_BRENTWD____GT 24164	35.86 1.98 0.00	37.51 1.91 0.00	37.98 1.85 0.00	37.72 1.81 0.00	42.66 2.24 0.00	53.17 3.23 0.00	58.46 4.35 0.00	63.59 5.01 0.00	49.51 4.03 0.00	48.54 3.66 0.00	48.96 3.75 0.00	47.28 4.11 -0.25	54.97 4.13 0.13	59.30 4.41 0.00	64.66 4.80 0.00	59.36 4.40 -2.41	62.13 4.91 0.00	69.51 5.18 0.00	79.88 6.01 0.28	61.20 4.58 0.00	50.80 4.01 0.00	38.94 3.00 0.00	38.50 2.88 0.00	37.62 2.59 0.00



NYPA_GOWANUS____GT5 24156	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.56 4.01 0.00	61.72 4.50 0.00	69.25 4.92 0.00	79.75 5.60 0.00	60.96 4.34 0.00	50.53 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NYPA_GOWANUS____GT6 24157	35.92 2.04 0.00	37.66 2.05 0.00	38.13 2.00 0.00	37.85 1.93 0.00	42.88 2.46 0.00	53.26 3.32 0.00	58.15 4.05 0.00	63.12 4.55 0.00	49.54 4.06 0.00	48.78 3.91 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.46 4.49 0.00	59.25 4.36 0.00	64.38 4.51 0.00	56.56 4.01 0.00	61.72 4.50 0.00	69.25 4.92 0.00	79.75 5.60 0.00	60.96 4.34 0.00	50.53 3.75 0.00	39.11 3.17 0.00	38.70 3.08 0.00	37.86 2.83 0.00
NYPA_HARLEM__RVR__GT1 24160	35.56 1.68 0.01	37.27 1.68 0.00	37.69 1.57 0.01	37.43 1.52 0.01	42.66 2.24 0.00	53.11 3.17 0.00	58.06 3.96 0.00	63.16 4.58 0.00	49.52 4.05 0.00	48.74 3.86 0.00	49.24 4.03 0.00	47.03 4.10 0.00	55.30 4.34 0.00	59.16 4.26 0.00	64.26 4.40 0.00	56.45 3.90 0.00	61.54 4.32 0.00	69.02 4.68 0.00	79.55 5.40 0.00	60.80 4.18 0.00	50.32 3.53 0.00	38.99 3.05 0.00	38.57 2.95 0.00	37.72 2.70 0.00
NYPA_HARLEM__RVR__GT2 24161	35.56 1.68 0.01	37.27 1.68 0.00	37.69 1.57 0.01	37.43 1.52 0.01	42.66 2.24 0.00	53.11 3.17 0.00	58.06 3.96 0.00	63.16 4.58 0.00	49.52 4.05 0.00	48.74 3.86 0.00	49.24 4.03 0.00	47.03 4.10 0.00	55.30 4.34 0.00	59.16 4.26 0.00	64.26 4.40 0.00	56.45 3.90 0.00	61.54 4.32 0.00	69.02 4.68 0.00	79.55 5.40 0.00	60.80 4.18 0.00	50.32 3.53 0.00	38.99 3.05 0.00	38.57 2.95 0.00	37.72 2.70 0.00
NYPA_KENT____GT 24152	35.90 2.02 0.00	37.63 2.03 0.00	38.11 1.98 0.00	37.83 1.91 0.00	42.86 2.44 0.00	53.24 3.30 0.00	58.12 4.02 0.00	63.04 4.47 0.00	49.47 3.99 0.00	48.75 3.88 0.00	49.32 4.11 0.00	47.12 4.19 0.00	55.43 4.46 0.00	59.20 4.31 0.00	64.29 4.43 0.00	56.51 3.97 0.00	61.65 4.43 0.00	69.17 4.84 0.00	79.67 5.52 0.00	60.89 4.27 0.00	50.44 3.66 0.00	39.05 3.11 0.00	38.65 3.04 0.00	37.81 2.79 0.00
NYPA_POUCH1____GT 24155	36.02 2.14 0.00	37.77 2.17 0.00	38.27 2.13 0.00	37.97 2.05 0.00	43.02 2.60 0.00	53.41 3.47 0.00	58.16 4.06 0.00	62.95 4.37 0.00	49.43 3.95 0.00	48.64 3.76 0.00	49.19 3.98 0.00	47.03 4.11 0.00	55.26 4.29 0.00	59.06 4.16 0.00	64.21 4.35 0.00	56.47 3.92 0.00	61.61 4.38 0.00	69.15 4.81 0.00	79.64 5.49 0.00	60.89 4.27 0.00	50.53 3.74 0.00	39.09 3.15 0.00	38.70 3.08 0.00	37.89 2.86 0.00
NYPA_VERNON____GT2 24162	35.89 2.01 0.00	37.62 2.02 0.00	38.09 1.95 0.00	37.80 1.89 0.00	42.84 2.42 0.00	53.21 3.27 0.00	58.08 3.98 0.00	62.97 4.39 0.00	49.40 3.93 0.00	48.72 3.85 0.00	49.29 4.08 0.00	47.08 4.15 0.00	55.40 4.43 0.00	59.16 4.26 0.00	64.23 4.37 0.00	56.46 3.91 0.00	61.59 4.37 0.00	69.07 4.73 0.00	79.57 5.42 0.00	60.79 4.17 0.00	50.34 3.56 0.00	38.99 3.05 0.00	38.60 2.98 0.00	37.77 2.75 0.00
NYPA_VERNON____GT3 24163	35.89 2.01 0.00	37.62 2.02 0.00	38.09 1.95 0.00	37.80 1.89 0.00	42.84 2.42 0.00	53.21 3.27 0.00	58.08 3.98 0.00	62.97 4.39 0.00	49.40 3.93 0.00	48.72 3.85 0.00	49.29 4.08 0.00	47.08 4.15 0.00	55.40 4.43 0.00	59.16 4.26 0.00	64.23 4.37 0.00	56.46 3.91 0.00	61.59 4.37 0.00	69.07 4.73 0.00	79.57 5.42 0.00	60.79 4.17 0.00	50.34 3.56 0.00	38.99 3.05 0.00	38.60 2.98 0.00	37.77 2.75 0.00
NYPA____ASTORIA_CC1 323568	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.17 3.23 0.00	58.04 3.94 0.00	62.94 4.36 0.00	49.37 3.89 0.00	48.68 3.81 0.00	49.24 4.03 0.00	47.04 4.12 0.00	55.34 4.38 0.00	59.10 4.20 0.00	64.17 4.31 0.00	56.40 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.51 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
NYPA____ASTORIA_CC2 323569	35.83 1.95 0.00	37.55 1.95 0.00	38.02 1.89 0.00	37.75 1.83 0.00	42.80 2.38 0.00	53.17 3.23 0.00	58.04 3.94 0.00	62.94 4.36 0.00	49.37 3.89 0.00	48.68 3.81 0.00	49.24 4.03 0.00	47.04 4.12 0.00	55.34 4.38 0.00	59.10 4.20 0.00	64.17 4.31 0.00	56.40 3.86 0.00	61.53 4.31 0.00	68.99 4.65 0.00	79.49 5.34 0.00	60.73 4.11 0.00	50.30 3.51 0.00	38.96 3.02 0.00	38.57 2.95 0.00	37.75 2.72 0.00
NYPA____HOLTSVILL 23794	35.48 1.63 0.04	37.03 1.60 0.16	37.47 1.54 0.20	37.23 1.50 0.18	42.00 1.83 0.25	52.62 2.69 0.01	57.83 3.72 0.00	62.84 4.26 0.00	48.81 3.47 0.13	47.61 3.07 0.33	47.29 3.20 1.11	46.33 3.49 0.09	52.78 3.35 1.54	58.55 3.65 0.00	63.79 3.92 0.00	58.50 3.62 -2.33	61.01 3.97 0.18	67.88 4.10 0.56	78.32 4.74 0.58	60.24 3.61 0.00	50.11 3.33 0.00	38.44 2.50 0.00	38.03 2.41 0.00	37.15 2.14 0.02
NYPA____HELLGATE_GT1 24158	35.56 1.68 0.01	37.27 1.68 0.00	37.69 1.57 0.01	37.42 1.51 0.01	42.66 2.24 0.00	53.11 3.17 0.00	58.06 3.96 0.00	63.16 4.58 0.00	49.52 4.05 0.00	48.74 3.86 0.00	49.24 4.03 0.00	47.03 4.10 0.00	55.30 4.34 0.00	59.16 4.26 0.00	64.26 4.40 0.00	56.45 3.90 0.00	61.54 4.32 0.00	69.02 4.68 0.00	79.55 5.40 0.00	60.80 4.18 0.00	50.32 3.53 0.00	38.99 3.05 0.00	38.57 2.95 0.00	37.72 2.70 0.00
NYPA____HELLGATE_GT2 24159	35.56 1.68 0.01	37.27 1.68 0.00	37.69 1.57 0.01	37.42 1.51 0.01	42.66 2.24 0.00	53.11 3.17 0.00	58.06 3.96 0.00	63.16 4.58 0.00	49.52 4.05 0.00	48.74 3.86 0.00	49.24 4.03 0.00	47.03 4.10 0.00	55.30 4.34 0.00	59.16 4.26 0.00	64.26 4.40 0.00	56.45 3.90 0.00	61.54 4.32 0.00	69.02 4.68 0.00	79.55 5.40 0.00	60.80 4.18 0.00	50.32 3.53 0.00	38.99 3.05 0.00	38.57 2.95 0.00	37.72 2.70 0.00
NYS_BARGE____HYD 23848	31.18 -2.70 0.00	33.01 -2.59 0.00	33.53 -2.61 0.00	33.13 -2.79 0.00	36.98 -3.45 0.00	43.13 -5.90 0.91	37.69 -7.18 9.23	51.03 -7.55 0.00	39.79 -5.68 0.00	38.01 -4.94 1.92	39.48 -5.09 0.64	36.32 -5.31 1.30	44.57 -6.40 0.00	44.18 -6.69 4.02	40.21 -7.58 12.07	39.67 -6.84 6.04	43.39 -7.09 6.75	56.75 -7.56 0.03	65.76 -8.39 0.00	50.42 -6.20 0.00	36.32 -5.75 4.71	29.95 -4.64 1.35	31.17 -4.45 0.00	30.67 -4.35 0.00
OAK ORCHARD____HYD 24046	32.35 -1.53 0.00	34.10 -1.50 0.00	34.62 -1.51 0.00	34.28 -1.63 0.00	38.49 -1.94 0.00	46.73 -3.19 0.02	50.45 -3.66 0.00	54.75 -3.83 0.00	42.55 -2.92 0.00	41.07 -2.49 1.32	42.21 -2.56 0.44	39.37 -2.66 0.89	47.77 -3.20 0.00	48.77 -3.38 2.76	47.74 -3.89 8.24	45.21 -3.38 3.97	49.34 -3.45 4.43	60.73 -3.59 0.02	70.23 -3.92 0.00	53.71 -2.91 0.00	41.17 -2.85 2.77	32.76 -2.35 0.82	33.32 -2.30 0.00	32.74 -2.28 0.00



OAKDALE___35_KV_LOAD 356122	33.74 -0.15 0.00	35.47 -0.13 0.00	36.06 -0.08 0.00	35.76 -0.16 0.00	40.40 -0.02 0.00	49.95 -0.24 -0.26	56.73 -0.20 -2.83	58.36 -0.22 0.00	45.12 -0.36 0.00	43.60 -0.44 0.83	44.47 -0.46 0.28	41.87 -0.49 0.56	50.50 -0.47 0.00	52.55 -0.61 1.74	53.98 -0.73 5.15	49.77 -0.51 2.27	54.34 -0.43 2.45	63.83 -0.49 0.01	73.80 -0.35 0.00	56.36 -0.26 0.00	45.39 -0.31 1.08	35.43 -0.18 0.33	35.42 -0.20 0.00	34.79 -0.24 0.00
OCC_CHEM___DRP 24175	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.22 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
OH_GEN_PROXY 24063	31.02 -2.86 0.00	32.79 -2.81 0.00	33.30 -2.83 0.00	32.89 -3.03 0.00	36.81 -3.62 0.00	43.22 -5.94 0.78	39.17 -7.08 7.86	51.12 -7.46 0.00	39.83 -5.64 0.00	56.26 -4.99 -16.38	39.39 -5.15 0.66	36.23 -5.33 1.36	44.57 -6.39 0.00	43.92 -6.79 4.19	39.60 -7.71 12.56	39.50 -6.83 6.22	43.16 -7.11 6.95	56.62 -7.68 0.03	65.67 -8.48 0.00	50.80 -6.27 -0.45	36.33 -5.79 4.67	29.97 -4.63 1.34	31.19 -4.43 0.00	30.73 -4.30 0.00
OLIN_CORP_DRP 24177	30.84 -3.05 0.00	32.67 -2.93 0.00	33.18 -2.95 0.00	32.81 -3.11 0.00	36.57 -3.85 0.00	42.47 -6.54 0.94	36.54 -8.04 9.53	50.19 -8.39 0.00	39.14 -6.33 0.00	37.20 -5.62 2.05	38.80 -5.73 0.68	35.59 -5.95 1.39	43.80 -7.17 0.00	43.12 -7.49 4.29	38.49 -8.50 12.88	38.45 -7.63 6.47	42.04 -7.94 7.23	55.74 -8.56 0.03	64.62 -9.53 0.00	49.56 -7.06 0.00	35.35 -6.44 4.99	29.36 -5.14 1.43	30.70 -4.92 0.00	30.23 -4.80 0.00
OLIN_CORP_DSASP 323712	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.22 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
ONEIDA_HERK_LFGE 323681	34.14 0.26 0.00	35.86 0.26 0.00	36.34 0.21 0.00	36.19 0.27 0.00	40.85 0.43 0.00	50.41 0.47 0.00	54.70 0.59 0.00	59.07 0.49 0.00	45.67 0.20 0.00	45.19 0.32 0.00	45.81 0.60 0.00	43.36 0.44 0.00	51.43 0.46 0.00	55.47 0.57 0.00	60.50 0.63 0.00	53.06 0.51 0.00	57.95 0.73 0.00	65.09 0.75 0.00	75.03 0.88 0.00	56.80 0.49 0.31	47.16 0.38 0.00	36.19 0.25 0.00	35.82 0.20 0.00	35.12 0.10 0.00
ONEIDA___115KV_TB4 55905	34.36 0.48 0.00	36.19 0.59 0.00	36.76 0.62 0.00	36.52 0.61 0.00	41.21 0.79 0.00	50.95 1.01 0.00	55.42 1.32 0.00	59.95 1.37 0.00	46.15 0.68 0.00	45.45 0.58 0.00	45.93 0.72 0.00	43.65 0.73 0.00	51.79 0.82 0.00	55.97 1.08 0.00	61.15 1.28 0.00	53.82 1.27 0.00	58.69 1.48 0.00	65.77 1.43 0.00	75.82 1.67 0.00	57.77 1.15 0.00	47.67 0.88 0.00	36.58 0.64 0.00	36.18 0.57 0.00	35.49 0.46 0.00
ONONDAGA_REF_OCCRA 23987	33.40 -0.48 0.00	35.12 -0.48 0.00	35.67 -0.46 0.00	35.43 -0.49 0.00	39.93 -0.50 0.00	49.24 -0.71 -0.01	53.44 -0.67 0.00	57.89 -0.69 0.00	44.75 -0.73 0.00	44.76 -0.75 -0.64	44.70 -0.72 -0.21	42.65 -0.71 -0.43	50.22 -0.75 0.00	55.49 -0.74 -1.34	63.00 -0.85 -3.99	53.75 -0.69 -1.90	58.65 -0.72 -2.15	63.59 -0.76 -0.01	73.32 -0.83 0.00	55.98 -0.64 0.00	47.46 -0.60 -1.27	35.85 -0.47 -0.37	35.10 -0.52 0.00	34.47 -0.56 0.00
ONONDAGA___COGEN 23986	33.33 -0.55 0.00	35.03 -0.57 0.00	35.59 -0.54 0.00	35.35 -0.57 0.00	39.84 -0.58 0.00	49.11 -0.84 0.00	53.32 -0.79 0.00	57.73 -0.85 0.00	44.66 -0.82 0.00	44.03 -0.84 0.00	44.41 -0.80 0.00	42.14 -0.78 0.00	50.14 -0.83 0.00	54.04 -0.86 0.00	58.85 -1.01 0.00	51.71 -0.84 0.00	56.33 -0.89 0.00	63.39 -0.94 0.00	73.10 -1.05 0.00	55.85 -0.77 0.00	46.06 -0.72 0.00	35.35 -0.58 0.00	35.00 -0.62 0.00	34.38 -0.65 0.00
ONTARIO___LFGE 23819	32.98 -0.90 0.00	34.69 -0.91 0.00	35.22 -0.91 0.00	34.91 -1.01 0.00	39.34 -1.08 0.00	48.23 -1.70 0.01	52.34 -1.77 0.00	56.77 -1.81 0.00	43.89 -1.58 0.00	42.98 -1.48 0.41	43.59 -1.48 0.14	41.22 -1.42 0.28	49.34 -1.63 0.00	52.39 -1.65 0.85	55.36 -1.95 2.56	49.63 -1.66 1.26	54.10 -1.72 1.40	62.60 -1.73 0.01	72.32 -1.83 0.00	55.23 -1.39 0.00	44.42 -1.45 0.92	34.40 -1.26 0.27	34.31 -1.30 0.00	33.69 -1.33 0.00
ORANGEVILLE_WT_PWR 323706	31.08 -2.80 0.00	32.72 -2.88 0.00	33.30 -2.84 0.00	32.82 -3.10 0.00	36.86 -3.56 0.00	39.78 -5.58 4.58	-7.45 -6.26 55.30	6.76 -5.45 46.37	3.50 -5.18 36.80	6.48 -5.89 32.50	-10.16 -5.52 49.84	-11.85 -5.36 49.41	-18.82 -5.99 63.80	-12.47 -7.20 60.17	-13.75 -7.87 65.74	-13.27 -6.30 59.52	-10.66 -7.14 60.74	-10.62 -7.53 67.42	48.30 -7.60 18.25	4.97 -5.80 45.85	5.31 -5.66 35.82	29.03 -4.57 2.34	31.22 -4.40 0.00	30.81 -4.21 0.00
ORANGEVILLE___ESR 323794	31.08 -2.80 0.00	32.72 -2.88 0.00	33.30 -2.84 0.00	32.82 -3.10 0.00	36.86 -3.56 0.00	39.78 -5.58 4.58	-7.45 -6.26 55.30	6.76 -5.45 46.37	3.50 -5.18 36.80	6.48 -5.89 32.50	-10.16 -5.52 49.84	-11.85 -5.36 49.41	-18.82 -5.99 63.80	-12.47 -7.20 60.17	-13.75 -7.87 65.74	-13.27 -6.30 59.52	-10.66 -7.14 60.74	-10.62 -7.53 67.42	48.30 -7.60 18.25	4.97 -5.80 45.85	5.31 -5.66 35.82	29.03 -4.57 2.34	31.22 -4.40 0.00	30.81 -4.21 0.00
OSWEGATCHIE___HYD 24044	34.00 0.11 0.00	35.62 0.02 0.00	36.01 -0.12 0.00	35.88 -0.04 0.00	40.49 0.07 0.00	49.90 -0.04 0.00	53.82 -0.28 0.00	58.18 -0.40 0.00	45.17 -0.31 0.00	45.10 0.23 0.00	46.91 1.70 0.00	43.86 0.93 0.00	51.98 1.01 0.00	55.10 0.20 0.00	60.11 0.24 0.00	52.41 -0.14 0.00	57.32 0.10 0.00	64.57 0.23 0.00	74.15 0.00 1.54	54.90 -0.19 0.00	46.61 -0.17 0.00	35.83 -0.11 0.00	35.54 -0.08 0.00	34.90 -0.13 0.00
OSWEGO___5 23606	32.79 -1.10 0.00	34.47 -1.13 0.00	35.01 -1.12 0.00	34.78 -1.14 0.00	39.15 -1.27 0.00	48.23 -1.70 0.00	52.31 -1.80 0.00	56.63 -1.95 0.00	43.91 -1.56 0.00	43.33 -1.54 0.00	43.68 -1.53 0.00	41.46 -1.47 0.00	49.26 -1.71 0.00	53.06 -1.84 0.00	57.81 -2.06 0.00	50.81 -1.74 0.00	55.33 -1.89 0.00	62.22 -2.12 0.00	71.77 -2.38 0.00	54.82 -1.80 0.00	45.24 -1.55 0.00	34.74 -1.20 0.00	34.42 -1.20 0.00	33.81 -1.22 0.00
OSWEGO___6 23613	32.79 -1.10 0.00	34.47 -1.13 0.00	35.01 -1.12 0.00	34.78 -1.14 0.00	39.15 -1.27 0.00	48.23 -1.70 0.00	52.31 -1.80 0.00	56.63 -1.95 0.00	43.91 -1.56 0.00	43.33 -1.54 0.00	43.68 -1.53 0.00	41.46 -1.47 0.00	49.26 -1.71 0.00	53.06 -1.84 0.00	57.81 -2.06 0.00	50.81 -1.74 0.00	55.33 -1.89 0.00	62.22 -2.12 0.00	71.77 -2.38 0.00	54.82 -1.80 0.00	45.24 -1.55 0.00	34.74 -1.20 0.00	34.42 -1.20 0.00	33.81 -1.22 0.00



OUTOKUMPU-AB___DRP 24206	31.15 -2.73 0.00	32.98 -2.62 0.00	33.49 -2.65 0.00	33.03 -2.89 0.00	36.93 -3.50 0.00	43.12 -5.82 0.99	37.12 -6.87 10.12	51.25 -7.32 0.00	39.98 -5.49 0.00	38.01 -4.76 2.10	39.63 -4.88 0.70	36.37 -5.14 1.42	44.76 -6.21 0.00	43.94 -6.57 4.39	39.50 -7.17 13.19	39.17 -6.73 6.66	42.96 -6.82 7.44	56.74 -7.56 0.03	65.77 -8.38 0.00	50.35 -6.27 0.00	36.00 -5.62 5.17	29.79 -4.67 1.48	31.10 -4.52 0.00	30.63 -4.40 0.00
OXBOW___BTM 323836	30.73 -3.15 0.00	32.55 -3.05 0.00	33.08 -3.06 0.00	32.60 -3.32 0.00	36.38 -4.04 0.00	42.50 -6.47 0.97	36.75 -7.50 9.85	50.37 -8.21 0.00	39.31 -6.17 0.00	37.42 -5.38 2.08	38.99 -5.53 0.69	35.80 -5.72 1.41	44.05 -6.91 0.00	43.17 -7.39 4.34	38.84 -7.98 13.05	38.50 -7.48 6.57	42.13 -7.75 7.34	55.59 -8.71 0.03	64.43 -9.72 0.00	49.38 -7.25 0.00	35.31 -6.39 5.09	29.23 -5.25 1.46	30.49 -5.13 0.00	30.03 -4.99 0.00
OXBOW___ 24026	30.73 -3.15 0.00	32.56 -3.04 0.00	33.08 -3.06 0.00	32.59 -3.32 0.00	36.39 -4.04 0.00	42.49 -6.48 0.97	36.72 -7.53 9.85	50.37 -8.21 0.00	39.31 -6.17 0.00	37.41 -5.39 2.07	39.01 -5.51 0.69	35.79 -5.73 1.41	44.03 -6.94 0.00	43.13 -7.43 4.34	38.94 -7.88 13.05	38.47 -7.51 6.57	42.29 -7.59 7.34	55.60 -8.71 0.03	64.45 -9.70 0.00	49.36 -7.26 0.00	35.40 -6.30 5.09	29.22 -5.26 1.46	30.49 -5.13 0.00	30.03 -5.00 0.00
OXY_CHEM_DSASP 323612	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.22 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
OZONE_PARK_ESR 323760	36.22 2.34 0.00	37.96 2.36 0.00	38.45 2.32 0.00	38.15 2.24 0.00	43.12 2.70 0.00	53.56 3.62 0.00	58.51 4.41 0.00	63.54 4.96 0.00	49.77 4.29 0.00	49.06 4.18 0.00	49.62 4.41 0.00	47.38 4.45 0.00	55.86 4.89 0.00	59.66 4.76 0.00	64.80 4.93 0.00	56.97 4.42 0.00	62.16 4.94 0.00	69.79 5.46 0.00	80.48 6.32 0.00	61.45 4.82 0.00	50.77 3.98 0.00	39.25 3.31 0.00	38.86 3.24 0.00	38.00 2.97 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	30.38 -3.50 0.00	32.23 -3.38 0.00	32.73 -3.40 0.00	32.22 -3.70 0.00	35.94 -4.48 0.00	41.96 -7.04 0.94	36.41 -8.12 9.58	49.56 -9.02 0.00	38.70 -6.78 0.00	36.86 -5.96 2.05	38.41 -6.12 0.68	35.25 -6.29 1.39	43.32 -7.65 0.00	42.39 -8.22 4.29	38.45 -8.51 12.90	37.85 -8.22 6.48	41.70 -8.28 7.24	54.53 -9.77 0.03	63.23 -10.93 0.00	48.44 -8.18 0.00	34.89 -6.90 5.00	28.71 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
PACKARD___115KV_DUPONT_184 80571	30.37 -3.51 0.00	32.21 -3.39 0.00	32.73 -3.40 0.00	32.22 -3.69 0.00	35.94 -4.49 0.00	41.96 -7.04 0.94	36.45 -8.08 9.58	49.56 -9.02 0.00	38.69 -6.78 0.00	36.87 -5.95 2.05	38.39 -6.14 0.68	35.26 -6.28 1.39	43.35 -7.62 0.00	42.42 -8.18 4.29	38.32 -8.64 12.90	37.89 -8.18 6.48	41.49 -8.49 7.24	54.53 -9.78 0.03	63.18 -10.97 0.00	48.46 -8.16 0.00	34.77 -7.01 5.00	28.72 -5.79 1.43	29.95 -5.67 0.00	29.52 -5.51 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	35.63 1.75 0.00	37.36 1.76 0.00	37.81 1.67 0.00	37.53 1.61 0.00	42.78 2.36 0.00	53.25 3.31 0.00	58.12 4.01 0.00	63.07 4.50 0.00	49.42 3.95 0.00	48.66 3.79 0.00	49.20 3.99 0.00	46.99 4.06 0.00	55.28 4.31 0.00	59.10 4.21 0.00	64.21 4.35 0.00	56.45 3.90 0.00	61.56 4.34 0.00	69.05 4.71 0.00	79.58 5.43 0.00	60.84 4.22 0.00	50.33 3.55 0.00	38.95 3.01 0.00	38.56 2.94 0.00	37.77 2.74 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	36.29 2.42 0.00	38.08 2.48 0.00	38.54 2.41 0.00	38.26 2.35 0.00	43.65 3.23 0.00	54.34 4.40 0.00	59.36 5.25 0.00	64.36 5.78 0.00	50.38 4.90 0.00	49.61 4.74 0.00	50.11 4.90 0.00	47.84 4.91 0.00	56.29 5.32 0.00	60.21 5.31 0.00	65.36 5.49 0.00	57.45 4.90 0.00	62.67 5.45 0.00	70.33 5.99 0.00	81.14 6.99 0.00	61.98 5.36 0.00	51.21 4.42 0.00	39.62 3.68 0.00	39.23 3.61 0.00	38.41 3.39 0.00
PATROON___115KV_TB1 80586	35.08 1.20 0.00	36.86 1.26 0.00	37.43 1.30 0.00	37.27 1.36 0.00	41.88 1.46 0.00	51.85 1.91 0.00	56.31 2.20 0.00	60.76 2.19 0.00	47.19 1.72 0.00	46.35 1.48 0.00	46.60 1.39 0.00	44.40 1.48 0.00	52.92 1.95 0.00	56.81 1.92 0.00	62.17 2.31 0.00	54.75 2.20 0.00	59.40 2.18 0.00	66.52 2.19 0.00	76.78 2.63 0.00	58.67 2.05 0.00	48.57 1.79 0.00	37.35 1.41 0.00	36.97 1.35 0.00	36.40 1.37 0.00
PATTRSNVILLE___SOLAR 323815	34.79 0.91 0.00	36.56 0.96 0.00	37.12 0.99 0.00	36.94 1.02 0.00	41.56 1.13 0.00	51.45 1.51 0.00	55.82 1.71 0.00	60.17 1.59 0.00	46.20 0.72 0.00	45.38 0.51 0.00	45.73 0.52 0.00	43.60 0.67 0.00	51.92 0.96 0.00	55.77 0.87 0.00	61.35 1.48 0.00	54.13 1.59 0.00	59.00 1.78 0.00	66.17 1.84 0.00	76.29 2.14 0.00	58.27 1.64 0.00	48.18 1.40 0.00	36.98 1.05 0.00	36.63 1.01 0.00	36.02 1.00 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	31.58 -2.31 0.00	33.30 -2.30 0.00	33.83 -2.30 0.00	33.39 -2.53 0.00	37.53 -2.90 0.00	44.06 -4.91 0.97	38.53 -5.77 9.81	52.74 -5.84 0.00	41.06 -4.41 0.00	38.54 -3.85 2.48	40.41 -3.98 0.82	36.99 -4.26 1.68	45.92 -5.05 0.00	44.29 -5.42 5.19	38.16 -6.09 15.61	39.04 -5.53 7.98	42.65 -5.65 8.92	58.22 -6.08 0.04	67.62 -6.53 0.00	51.74 -4.89 0.00	36.10 -4.72 5.96	30.42 -3.80 1.71	31.95 -3.67 0.00	31.47 -3.55 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	35.97 2.09 0.00	37.73 2.13 0.00	38.26 2.12 0.00	37.99 2.08 0.00	42.90 2.48 0.00	53.23 3.29 0.00	58.10 4.00 0.00	63.11 4.52 0.00	49.24 3.76 0.00	48.46 3.59 0.00	48.96 3.76 0.00	46.71 3.79 0.00	55.24 4.27 0.00	59.09 4.19 0.00	64.20 4.33 0.00	56.47 3.92 0.00	61.58 4.36 0.00	69.19 4.85 0.00	79.82 5.67 0.00	60.92 4.30 0.00	50.32 3.53 0.00	38.84 2.90 0.00	38.44 2.83 0.00	37.61 2.58 0.00
PEEKSKILL___ 23653	35.69 1.81 0.00	37.43 1.83 0.00	37.95 1.82 0.00	37.69 1.77 0.00	42.54 2.12 0.00	52.79 2.85 0.00	57.58 3.48 0.00	62.53 3.95 0.00	48.83 3.35 0.00	48.10 3.23 0.00	48.63 3.43 0.00	46.41 3.49 0.00	54.81 3.84 0.00	58.66 3.76 0.00	63.72 3.86 0.00	56.04 3.49 0.00	61.09 3.87 0.00	68.57 4.24 0.00	79.08 4.93 0.00	60.37 3.75 0.00	49.88 3.09 0.00	38.53 2.59 0.00	38.18 2.56 0.00	37.36 2.34 0.00
PGE MADISON___WINDPWR 24146	34.82 0.94 0.00	36.71 1.11 0.00	37.26 1.13 0.00	36.94 1.02 0.00	41.65 1.22 0.00	52.02 1.70 -0.38	59.83 2.25 -3.47	61.34 2.76 0.00	46.74 1.27 0.00	48.37 0.72 -2.78	46.66 0.53 -0.93	45.33 0.52 -1.89	51.87 0.90 0.00	62.25 1.53 -5.82	79.49 2.23 -17.40	62.64 1.68 -8.41	68.93 1.96 -9.75	66.08 1.70 -0.04	76.61 2.46 0.00	58.09 1.47 0.00	53.92 1.16 -5.97	38.60 0.92 -1.75	36.14 0.52 0.00	35.50 0.48 0.00



PIERCEFIELD___HYD 23852	34.63 0.74 0.00	36.31 0.71 0.00	36.71 0.57 0.00	36.48 0.56 0.00	41.13 0.70 0.00	50.96 1.02 0.00	54.80 0.69 0.00	59.41 0.83 0.00	46.14 0.67 0.00	46.03 1.16 0.00	48.70 3.49 0.00	45.43 2.51 0.00	53.73 2.77 0.00	56.20 1.31 0.00	61.45 1.59 0.00	53.51 0.96 0.00	58.42 1.20 0.00	65.90 1.56 0.00	75.53 1.38 0.00	55.27 0.92 2.27	47.54 0.75 0.00	36.45 0.51 0.00	36.25 0.63 0.00	35.69 0.67 0.00
PINELAWN_CC_1 323563	35.76 1.87 0.00	37.44 1.84 0.00	37.93 1.80 0.00	37.68 1.76 0.00	42.55 2.13 0.00	52.97 3.03 0.00	58.12 4.02 0.00	63.20 4.62 0.00	49.27 3.80 0.00	48.37 3.50 0.00	48.90 3.69 0.00	47.18 3.98 -0.27	54.94 4.03 0.06	58.81 3.91 0.00	63.95 4.09 0.00	58.88 3.69 -2.65	61.24 4.01 0.00	68.35 4.01 0.00	78.69 4.64 0.10	60.63 4.01 0.00	50.52 3.73 0.00	38.79 2.85 0.00	38.35 2.73 0.00	37.48 2.46 0.00
PJM_GEN_HTTP_PROXY 323702	35.94 2.05 0.00	37.67 2.07 0.00	38.16 2.03 0.00	37.89 1.97 0.00	42.80 2.38 0.00	53.12 3.19 0.00	58.01 3.91 0.00	62.96 4.39 0.00	49.32 3.84 0.00	48.61 3.74 0.00	49.17 3.96 0.00	46.95 4.02 0.00	55.33 4.37 0.00	59.11 4.21 0.00	64.20 4.33 0.00	56.43 3.88 0.00	61.57 4.36 0.00	69.08 4.75 0.00	79.67 5.52 0.00	60.83 4.21 0.00	50.25 3.47 0.00	38.86 2.92 0.00	38.51 2.89 0.00	37.66 2.64 0.00
PJM_GEN_KEystone 24065	33.56 -0.32 0.00	35.26 -0.34 0.00	35.79 -0.35 0.00	35.42 -0.50 0.00	42.11 -0.32 -2.01	49.10 -0.81 0.03	53.32 -0.79 0.00	58.68 -0.59 -0.69	45.06 -0.41 0.00	42.62 -0.42 1.83	44.24 -0.36 0.61	41.24 -0.44 1.24	50.40 -0.57 0.00	50.11 -0.95 3.83	47.09 -1.33 11.44	45.93 -1.11 5.51	49.99 -1.04 6.18	63.30 -1.00 0.03	73.35 -0.80 0.00	56.07 -0.55 0.00	42.43 -0.83 3.52	34.38 -0.53 1.04	35.21 -0.41 0.00	34.56 -0.46 0.00
PJM_GEN_NEPTUNE_PROXY 323594	35.61 1.73 0.00	37.33 1.73 0.00	37.83 1.69 0.00	37.56 1.65 0.00	42.41 1.99 0.00	52.70 2.76 0.00	57.70 3.59 0.00	62.68 4.10 0.00	48.91 3.44 0.00	48.09 3.22 0.00	48.67 3.47 0.00	46.86 3.71 -0.22	54.70 3.73 0.00	58.75 3.86 0.00	63.93 4.06 0.00	58.44 3.71 -2.18	61.29 4.07 0.00	68.65 4.31 0.00	79.13 4.98 0.00	60.40 3.78 0.00	50.08 3.30 0.00	38.53 2.59 0.00	38.12 2.51 0.00	37.30 2.27 0.00
PJM_GEN_VFT_PROXY 323633	35.78 1.90 0.00	37.51 1.91 0.00	38.01 1.87 0.00	37.72 1.81 0.00	42.62 2.20 0.00	41.62 2.98 11.31	57.83 3.73 0.00	62.85 4.27 0.00	49.24 3.76 0.00	48.52 3.65 0.00	49.10 3.89 0.00	46.88 3.96 0.00	55.25 4.29 0.00	59.03 4.13 0.00	64.09 4.23 0.00	56.33 3.78 0.00	61.46 4.24 0.00	68.95 4.61 0.00	79.51 5.36 0.00	60.70 4.08 0.00	50.16 3.37 0.00	38.82 2.88 0.00	38.45 2.83 0.00	37.61 2.58 0.00
PLATSBRG_115KV_PMLD1 355749	34.24 0.35 0.00	35.89 0.29 0.00	36.06 -0.07 0.00	35.78 -0.14 0.00	40.27 -0.15 0.00	49.92 -0.02 0.00	53.30 -0.81 0.00	57.62 -0.95 0.00	44.76 -0.71 0.00	44.57 -0.30 0.00	45.28 0.07 0.00	42.75 -0.17 0.00	50.63 -0.34 0.00	55.10 0.20 0.00	59.78 -0.08 0.00	51.80 -0.75 0.00	56.12 -1.11 0.00	63.70 -0.63 0.00	72.55 -1.61 0.00	41.41 -1.47 13.74	45.63 -1.16 0.00	35.04 -0.90 0.00	34.90 -0.72 0.00	34.43 -0.60 0.00
PLEASANTVLY___LBMP 24000	35.53 1.65 0.00	37.28 1.68 0.00	37.82 1.68 0.00	37.56 1.64 0.00	42.38 1.96 0.00	52.54 2.61 0.00	57.25 3.14 0.00	62.11 3.53 0.00	48.49 3.02 0.00	47.77 2.90 0.00	48.26 3.05 0.00	46.07 3.14 0.00	54.42 3.45 0.00	58.24 3.34 0.00	63.32 3.45 0.00	55.70 3.15 0.00	60.68 3.46 0.00	68.07 3.73 0.00	78.51 4.36 0.00	59.96 3.33 0.00	49.57 2.78 0.00	38.28 2.34 0.00	37.93 2.31 0.00	37.15 2.13 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	35.82 1.94 0.00	37.58 1.98 0.00	38.08 1.95 0.00	37.81 1.90 0.00	42.68 2.26 0.00	52.96 3.02 0.00	57.78 3.67 0.00	62.72 4.14 0.00	49.01 3.54 0.00	48.32 3.45 0.00	48.83 3.62 0.00	46.63 3.71 0.00	55.04 4.07 0.00	58.87 3.97 0.00	63.95 4.08 0.00	56.24 3.69 0.00	61.31 4.09 0.00	68.81 4.47 0.00	79.35 5.20 0.00	60.58 3.96 0.00	50.07 3.29 0.00	38.68 2.74 0.00	38.33 2.71 0.00	37.48 2.46 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	35.82 1.94 0.00	37.58 1.98 0.00	38.08 1.95 0.00	37.81 1.90 0.00	42.68 2.26 0.00	52.96 3.02 0.00	57.78 3.67 0.00	62.72 4.14 0.00	49.01 3.54 0.00	48.32 3.45 0.00	48.83 3.62 0.00	46.63 3.71 0.00	55.04 4.07 0.00	58.87 3.97 0.00	63.95 4.08 0.00	56.24 3.69 0.00	61.31 4.09 0.00	68.81 4.47 0.00	79.35 5.20 0.00	60.58 3.96 0.00	50.07 3.29 0.00	38.68 2.74 0.00	38.33 2.71 0.00	37.48 2.46 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	35.83 1.95 0.00	37.59 1.99 0.00	38.14 2.00 0.00	37.88 1.96 0.00	42.75 2.33 0.00	53.02 3.08 0.00	57.82 3.71 0.00	62.61 4.03 0.00	48.80 3.32 0.00	48.02 3.15 0.00	48.46 3.25 0.00	46.25 3.33 0.00	54.71 3.74 0.00	58.59 3.69 0.00	63.83 3.97 0.00	56.21 3.66 0.00	61.28 4.06 0.00	68.81 4.47 0.00	79.38 5.23 0.00	60.60 3.98 0.00	50.08 3.30 0.00	38.62 2.68 0.00	38.25 2.63 0.00	37.44 2.41 0.00
POLETTI_____ 23519	35.96 2.08 0.00	37.70 2.10 0.00	38.19 2.06 0.00	37.90 1.99 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.07 3.96 0.00	63.02 4.44 0.00	49.36 3.89 0.00	48.67 3.80 0.00	49.24 4.03 0.00	47.01 4.09 0.00	55.42 4.45 0.00	59.18 4.28 0.00	64.28 4.41 0.00	56.51 3.96 0.00	61.66 4.44 0.00	69.17 4.83 0.00	79.76 5.61 0.00	60.89 4.27 0.00	50.33 3.54 0.00	38.92 2.98 0.00	38.55 2.94 0.00	37.72 2.69 0.00
POMONA___ESR 323819	35.76 1.87 0.00	37.50 1.90 0.00	38.03 1.89 0.00	37.76 1.84 0.00	42.62 2.20 0.00	52.89 2.95 0.00	57.69 3.58 0.00	62.68 4.10 0.00	48.90 3.43 0.00	48.17 3.30 0.00	48.73 3.52 0.00	46.50 3.58 0.00	54.93 3.96 0.00	58.80 3.90 0.00	63.89 4.03 0.00	56.18 3.63 0.00	61.21 3.99 0.00	68.76 4.42 0.00	79.26 5.11 0.00	60.49 3.87 0.00	49.97 3.18 0.00	38.60 2.66 0.00	38.25 2.64 0.00	37.44 2.41 0.00
PORT_JEFF_3 23555	35.55 1.67 0.00	37.24 1.64 0.00	37.71 1.57 0.00	37.45 1.54 0.00	42.30 1.88 0.00	52.69 2.75 0.00	57.90 3.79 0.00	62.93 4.35 0.00	49.03 3.55 0.00	48.02 3.15 0.00	48.49 3.29 0.00	46.74 3.58 -0.24	53.14 3.45 1.28	58.66 3.77 0.00	63.92 4.06 0.00	58.62 3.74 -2.33	61.35 4.13 0.00	68.60 4.26 0.00	78.86 4.92 0.21	60.37 3.75 0.00	50.23 3.44 0.00	38.51 2.57 0.00	38.09 2.47 0.00	37.22 2.19 0.00
PORT_JEFF_4 23616	35.55 1.67 0.00	37.24 1.64 0.00	37.71 1.57 0.00	37.45 1.54 0.00	42.30 1.88 0.00	52.69 2.75 0.00	57.90 3.79 0.00	62.93 4.35 0.00	49.03 3.55 0.00	48.02 3.15 0.00	48.49 3.29 0.00	46.74 3.58 -0.24	53.14 3.45 1.28	58.66 3.77 0.00	63.92 4.06 0.00	58.62 3.74 -2.33	61.35 4.13 0.00	68.60 4.26 0.00	78.86 4.92 0.21	60.37 3.75 0.00	50.23 3.44 0.00	38.51 2.57 0.00	38.09 2.47 0.00	37.22 2.19 0.00



PORT_JEFF_IC 23713	35.59 1.66 -0.04	37.41 1.63 -0.18	37.91 1.55 -0.22	37.63 1.51 -0.20	42.55 1.85 -0.28	52.67 2.72 -0.01	57.90 3.79 0.00	62.92 4.34 0.00	49.14 3.52 -0.14	48.37 3.14 -0.36	49.69 3.28 -1.21	47.10 3.58 -0.60	53.37 3.46 1.05	58.64 3.74 0.00	63.93 4.07 0.00	58.65 3.75 -2.35	61.57 4.14 -0.20	69.24 4.31 -0.60	79.25 4.97 -0.13	60.41 3.79 0.00	50.24 3.45 0.00	38.52 2.58 0.00	38.09 2.47 0.00	37.23 2.19 -0.02
PPL PILGRIM_ST_GT1 24216	35.86 1.98 0.00	37.51 1.91 0.00	37.98 1.85 0.00	37.72 1.81 0.00	42.66 2.24 0.00	53.17 3.23 0.00	58.46 4.35 0.00	63.59 5.01 0.00	49.51 4.03 0.00	48.54 3.66 0.00	48.96 3.75 0.00	47.28 4.11 -0.25	54.97 4.13 0.13	59.30 4.41 0.00	64.66 4.80 0.00	59.36 4.40 -2.41	62.13 4.91 0.00	69.51 5.18 0.00	79.88 6.01 0.28	61.20 4.58 0.00	50.80 4.01 0.00	38.94 3.00 0.00	38.50 2.88 0.00	37.62 2.59 0.00
PPL PILGRIM_ST_GT2 24217	35.86 1.98 0.00	37.51 1.91 0.00	37.98 1.85 0.00	37.72 1.81 0.00	42.66 2.24 0.00	53.17 3.23 0.00	58.46 4.35 0.00	63.59 5.01 0.00	49.51 4.03 0.00	48.54 3.66 0.00	48.96 3.75 0.00	47.28 4.11 -0.25	54.97 4.13 0.13	59.30 4.41 0.00	64.66 4.80 0.00	59.36 4.40 -2.41	62.13 4.91 0.00	69.51 5.18 0.00	79.88 6.01 0.28	61.20 4.58 0.00	50.80 4.01 0.00	38.94 3.00 0.00	38.50 2.88 0.00	37.62 2.59 0.00
PPL_SHRM_GT3 24213	35.00 1.28 0.16	36.06 1.20 0.74	36.34 1.12 0.91	36.19 1.09 0.82	40.66 1.38 1.14	52.08 2.17 0.03	57.33 3.23 0.00	62.30 3.72 0.00	47.92 3.05 0.60	45.99 2.61 1.49	42.94 2.74 5.01	44.74 3.06 1.24	51.25 2.82 2.53	58.07 3.17 0.00	63.30 3.44 0.00	58.10 3.21 -2.34	59.90 3.50 0.82	65.33 3.49 2.50	76.26 4.06 1.95	59.75 3.13 0.00	49.85 3.06 0.00	38.16 2.23 0.00	37.68 2.06 0.00	36.69 1.74 0.07
PPL_SHRM_GT4 24214	35.00 1.28 0.16	36.06 1.20 0.74	36.34 1.12 0.91	36.19 1.09 0.82	40.66 1.38 1.14	52.08 2.17 0.03	57.33 3.23 0.00	62.30 3.72 0.00	47.92 3.05 0.60	45.99 2.61 1.49	42.94 2.74 5.01	44.74 3.06 1.24	51.25 2.82 2.53	58.07 3.17 0.00	63.30 3.44 0.00	58.10 3.21 -2.34	59.90 3.50 0.82	65.33 3.49 2.50	76.26 4.06 1.95	59.75 3.13 0.00	49.85 3.06 0.00	38.16 2.23 0.00	37.68 2.06 0.00	36.69 1.74 0.07
PROJECT___ORANGE 1 24174	33.14 -0.74 0.00	34.86 -0.74 0.00	35.40 -0.73 0.00	35.17 -0.75 0.00	39.60 -0.82 0.00	48.81 -1.13 0.00	52.95 -1.15 0.00	57.36 -1.22 0.00	44.41 -1.07 0.00	43.84 -1.03 0.00	44.21 -1.00 0.00	41.95 -0.97 0.00	49.86 -1.10 0.00	53.74 -1.16 0.00	58.51 -1.35 0.00	51.40 -1.14 0.00	56.02 -1.21 0.00	62.99 -1.35 0.00	72.64 -1.51 0.00	55.46 -1.16 0.00	45.76 -1.03 0.00	35.16 -0.78 0.00	34.81 -0.81 0.00	34.18 -0.84 0.00
PROJECT___ORANGE 2 24166	33.14 -0.74 0.00	34.86 -0.74 0.00	35.40 -0.73 0.00	35.17 -0.75 0.00	39.60 -0.82 0.00	48.81 -1.13 0.00	52.95 -1.15 0.00	57.36 -1.22 0.00	44.41 -1.07 0.00	43.84 -1.03 0.00	44.21 -1.00 0.00	41.95 -0.97 0.00	49.86 -1.10 0.00	53.74 -1.16 0.00	58.51 -1.35 0.00	51.40 -1.14 0.00	56.02 -1.21 0.00	62.99 -1.35 0.00	72.64 -1.51 0.00	55.46 -1.16 0.00	45.76 -1.03 0.00	35.16 -0.78 0.00	34.81 -0.81 0.00	34.18 -0.84 0.00
PUCKETT___SOLAR 323809	34.01 0.13 0.00	35.79 0.19 0.00	36.38 0.25 0.00	36.07 0.16 0.00	40.71 0.28 0.00	50.44 0.26 -0.24	57.11 0.42 -2.59	59.19 0.62 0.00	45.48 0.01 0.00	44.61 -0.27 0.00	44.73 -0.47 0.00	42.47 -0.46 0.00	50.77 -0.19 0.00	54.76 -0.14 0.00	59.87 0.01 0.00	52.58 0.03 0.00	57.34 0.12 0.00	64.35 0.01 0.00	74.40 0.25 0.00	56.74 0.12 0.00	46.88 0.05 -0.04	36.05 0.11 0.00	35.58 -0.04 0.00	34.96 -0.07 0.00
PYRITES___HYD 24023	35.13 1.25 0.00	36.87 1.27 0.00	37.26 1.13 0.00	37.03 1.11 0.00	41.74 1.32 0.00	51.81 1.87 0.00	55.84 1.74 0.00	60.54 1.97 0.00	47.01 1.53 0.00	46.81 1.94 0.00	48.79 3.58 0.00	45.32 2.40 0.00	54.06 3.09 0.00	57.05 2.16 0.00	62.55 2.69 0.00	54.48 1.93 0.00	59.49 2.27 0.00	67.27 2.93 0.00	77.12 2.97 0.00	56.72 2.11 2.02	48.51 1.72 0.00	37.14 1.20 0.00	36.87 1.25 0.00	36.28 1.25 0.00
QUAKERRD_115KV_BK1 80622	31.82 -2.06 0.00	33.53 -2.07 0.00	34.04 -2.10 0.00	33.73 -2.18 0.00	37.90 -2.53 0.00	46.03 -3.72 0.19	48.09 -4.18 1.83	54.05 -4.53 0.00	41.99 -3.49 0.00	40.95 -3.13 0.79	41.74 -3.20 0.26	39.17 -3.21 0.54	47.13 -3.84 0.00	49.19 -4.05 1.66	50.30 -4.60 4.97	46.12 -4.01 2.42	50.36 -4.16 2.70	59.86 -4.47 0.01	69.17 -4.98 0.00	52.89 -3.73 0.00	41.60 -3.43 1.76	32.64 -2.79 0.51	32.85 -2.77 0.00	32.28 -2.75 0.00
QUENSBRY_115KV_TB8 356137	35.60 1.72 0.00	37.35 1.75 0.00	37.73 1.59 0.00	37.76 1.84 0.00	42.41 1.99 0.00	52.77 2.83 0.00	57.25 3.14 0.00	61.34 2.76 0.00	47.10 1.63 0.00	45.87 1.00 0.00	46.12 0.91 0.00	44.04 1.12 0.00	52.94 1.97 0.00	56.69 1.80 0.00	62.36 2.49 0.00	55.15 2.60 0.00	59.98 2.76 0.00	67.45 3.12 0.00	77.95 3.80 0.00	59.60 2.98 0.00	49.24 2.45 0.00	37.62 1.69 0.00	37.24 1.62 0.00	36.81 1.78 0.00
RAMAPO___LBMP 323565	35.64 1.76 0.00	37.38 1.78 0.00	37.91 1.77 0.00	37.63 1.71 0.00	42.49 2.07 0.00	52.72 2.78 0.00	57.51 3.40 0.00	62.45 3.87 0.00	48.71 3.23 0.00	47.97 3.10 0.00	48.52 3.31 0.00	46.30 3.37 0.00	54.70 3.73 0.00	58.55 3.65 0.00	63.62 3.76 0.00	55.96 3.41 0.00	60.97 3.75 0.00	68.49 4.15 0.00	78.96 4.81 0.00	60.27 3.64 0.00	49.77 2.98 0.00	38.45 2.51 0.00	38.11 2.49 0.00	37.31 2.28 0.00
RANKINE____ 23646	31.46 -2.42 0.00	33.20 -2.41 0.00	33.74 -2.40 0.00	33.27 -2.65 0.00	37.31 -3.11 0.00	43.53 -5.27 1.14	36.21 -6.24 11.66	52.20 -6.38 0.00	40.70 -4.77 0.00	38.35 -4.20 2.33	40.13 -4.31 0.77	36.75 -4.60 1.58	45.49 -5.48 0.00	44.18 -5.85 4.87	38.58 -6.62 14.67	39.07 -5.99 7.49	42.69 -6.15 8.38	57.75 -6.56 0.04	67.03 -7.12 0.00	51.28 -5.34 0.00	35.84 -5.12 5.83	30.14 -4.14 1.67	31.65 -3.96 0.00	31.18 -3.84 0.00
RAVENSWOOD_GT2_1 24244	35.95 2.07 0.00	37.68 2.09 0.00	38.17 2.04 0.00	37.90 1.98 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.32 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.13 4.24 0.00	64.22 4.36 0.00	56.47 3.92 0.00	61.61 4.39 0.00	69.11 4.78 0.00	79.68 5.53 0.00	60.85 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.92 0.00	37.69 2.67 0.00
RAVENSWOOD_GT2_2 24245	35.95 2.07 0.00	37.68 2.09 0.00	38.17 2.04 0.00	37.90 1.98 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.32 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.13 4.24 0.00	64.22 4.36 0.00	56.47 3.92 0.00	61.61 4.39 0.00	69.11 4.78 0.00	79.68 5.53 0.00	60.85 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.92 0.00	37.69 2.67 0.00



RAVENSWOOD_GT2_3 24246	35.97 2.09 0.00	37.70 2.10 0.00	38.20 2.06 0.00	37.91 1.99 0.00	42.84 2.42 0.00	53.20 3.26 0.00	58.06 3.96 0.00	63.00 4.42 0.00	49.34 3.87 0.00	48.64 3.77 0.00	49.21 4.00 0.00	46.98 4.06 0.00	55.38 4.41 0.00	59.16 4.26 0.00	64.25 4.38 0.00	56.50 3.95 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.72 5.57 0.00	60.88 4.25 0.00	50.32 3.53 0.00	38.92 2.97 0.00	38.55 2.93 0.00	37.71 2.69 0.00
RAVENSWOOD_GT2_4 24247	35.97 2.09 0.00	37.70 2.10 0.00	38.20 2.06 0.00	37.91 1.99 0.00	42.84 2.42 0.00	53.20 3.26 0.00	58.06 3.96 0.00	63.00 4.42 0.00	49.34 3.87 0.00	48.64 3.77 0.00	49.21 4.00 0.00	46.98 4.06 0.00	55.38 4.41 0.00	59.16 4.26 0.00	64.25 4.38 0.00	56.50 3.95 0.00	61.63 4.41 0.00	69.14 4.81 0.00	79.72 5.57 0.00	60.88 4.25 0.00	50.32 3.53 0.00	38.92 2.97 0.00	38.55 2.93 0.00	37.71 2.69 0.00
RAVENSWOOD_GT3_1 24248	35.95 2.07 0.00	37.68 2.09 0.00	38.17 2.04 0.00	37.90 1.98 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.33 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.13 4.24 0.00	64.22 4.36 0.00	56.47 3.92 0.00	61.61 4.39 0.00	69.11 4.78 0.00	79.68 5.53 0.00	60.86 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.92 0.00	37.69 2.67 0.00
RAVENSWOOD_GT3_2 24249	35.95 2.07 0.00	37.68 2.09 0.00	38.17 2.04 0.00	37.90 1.98 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.33 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.13 4.24 0.00	64.22 4.36 0.00	56.47 3.92 0.00	61.61 4.39 0.00	69.11 4.78 0.00	79.68 5.53 0.00	60.86 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.92 0.00	37.69 2.67 0.00
RAVENSWOOD_GT3_3 24250	35.99 2.11 0.00	37.73 2.13 0.00	38.22 2.09 0.00	37.94 2.02 0.00	42.88 2.46 0.00	53.24 3.31 0.00	58.12 4.01 0.00	63.07 4.49 0.00	49.39 3.91 0.00	48.69 3.82 0.00	49.25 4.04 0.00	47.03 4.10 0.00	55.44 4.48 0.00	59.22 4.32 0.00	64.32 4.46 0.00	56.55 4.00 0.00	61.69 4.47 0.00	69.22 4.88 0.00	79.80 5.65 0.00	60.94 4.32 0.00	50.37 3.58 0.00	38.95 3.01 0.00	38.58 2.96 0.00	37.74 2.72 0.00
RAVENSWOOD_GT3_4 24251	35.99 2.11 0.00	37.73 2.13 0.00	38.22 2.09 0.00	37.94 2.02 0.00	42.88 2.46 0.00	53.24 3.31 0.00	58.12 4.01 0.00	63.07 4.49 0.00	49.39 3.91 0.00	48.69 3.82 0.00	49.25 4.04 0.00	47.03 4.10 0.00	55.44 4.48 0.00	59.22 4.32 0.00	64.32 4.46 0.00	56.55 4.00 0.00	61.69 4.47 0.00	69.22 4.88 0.00	79.80 5.65 0.00	60.94 4.32 0.00	50.37 3.58 0.00	38.95 3.01 0.00	38.58 2.96 0.00	37.74 2.72 0.00
RAVENSWOOD_GT_1 23729	35.90 2.02 0.00	37.62 2.02 0.00	38.09 1.96 0.00	37.81 1.89 0.00	42.84 2.42 0.00	53.22 3.28 0.00	58.10 3.99 0.00	62.97 4.39 0.00	49.40 3.92 0.00	48.72 3.85 0.00	49.29 4.08 0.00	47.07 4.15 0.00	55.41 4.44 0.00	59.14 4.25 0.00	64.22 4.36 0.00	56.46 3.91 0.00	61.59 4.37 0.00	69.08 4.74 0.00	79.57 5.42 0.00	60.79 4.17 0.00	50.34 3.56 0.00	38.99 3.06 0.00	38.60 2.99 0.00	37.77 2.74 0.00
RAVENSWOOD_GT_10 24258	35.96 2.07 0.00	37.69 2.09 0.00	38.19 2.05 0.00	37.90 1.99 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.32 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.14 4.24 0.00	64.23 4.37 0.00	56.47 3.93 0.00	61.61 4.39 0.00	69.12 4.78 0.00	79.68 5.54 0.00	60.86 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.91 0.00	37.69 2.67 0.00
RAVENSWOOD_GT_11 24259	35.96 2.07 0.00	37.69 2.09 0.00	38.19 2.05 0.00	37.90 1.99 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.32 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.14 4.24 0.00	64.23 4.37 0.00	56.47 3.93 0.00	61.61 4.39 0.00	69.12 4.78 0.00	79.68 5.54 0.00	60.86 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.91 0.00	37.69 2.67 0.00
RAVENSWOOD_GT_4 24252	35.91 2.03 0.00	37.65 2.05 0.00	38.14 2.00 0.00	37.85 1.93 0.00	42.81 2.39 0.00	53.17 3.23 0.00	58.03 3.93 0.00	62.96 4.38 0.00	49.33 3.86 0.00	48.64 3.76 0.00	49.20 3.99 0.00	46.98 4.06 0.00	55.37 4.40 0.00	59.12 4.22 0.00	64.21 4.35 0.00	56.46 3.91 0.00	61.58 4.36 0.00	69.09 4.75 0.00	79.62 5.47 0.00	60.82 4.20 0.00	50.29 3.51 0.00	38.92 2.98 0.00	38.55 2.93 0.00	37.71 2.68 0.00
RAVENSWOOD_GT_5 24254	35.91 2.03 0.00	37.65 2.05 0.00	38.14 2.00 0.00	37.85 1.93 0.00	42.81 2.39 0.00	53.17 3.23 0.00	58.03 3.93 0.00	62.96 4.38 0.00	49.33 3.86 0.00	48.64 3.76 0.00	49.20 3.99 0.00	46.98 4.06 0.00	55.37 4.40 0.00	59.12 4.22 0.00	64.21 4.35 0.00	56.46 3.91 0.00	61.58 4.36 0.00	69.09 4.75 0.00	79.62 5.47 0.00	60.82 4.20 0.00	50.29 3.51 0.00	38.92 2.98 0.00	38.55 2.93 0.00	37.71 2.68 0.00
RAVENSWOOD_GT_6 24253	35.91 2.03 0.00	37.65 2.05 0.00	38.14 2.00 0.00	37.85 1.93 0.00	42.81 2.39 0.00	53.17 3.23 0.00	58.03 3.93 0.00	62.96 4.38 0.00	49.33 3.86 0.00	48.64 3.76 0.00	49.20 3.99 0.00	46.98 4.06 0.00	55.37 4.40 0.00	59.12 4.22 0.00	64.21 4.35 0.00	56.46 3.91 0.00	61.58 4.36 0.00	69.09 4.75 0.00	79.62 5.47 0.00	60.82 4.20 0.00	50.29 3.51 0.00	38.92 2.98 0.00	38.55 2.93 0.00	37.71 2.68 0.00
RAVENSWOOD_GT_7 24255	35.91 2.03 0.00	37.65 2.05 0.00	38.14 2.00 0.00	37.85 1.93 0.00	42.81 2.39 0.00	53.17 3.23 0.00	58.03 3.93 0.00	62.96 4.38 0.00	49.33 3.86 0.00	48.64 3.76 0.00	49.20 3.99 0.00	46.98 4.06 0.00	55.37 4.40 0.00	59.12 4.22 0.00	64.21 4.35 0.00	56.46 3.91 0.00	61.58 4.36 0.00	69.09 4.75 0.00	79.62 5.47 0.00	60.82 4.20 0.00	50.29 3.51 0.00	38.92 2.98 0.00	38.55 2.93 0.00	37.71 2.68 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	35.96 2.07 0.00	37.69 2.09 0.00	38.19 2.05 0.00	37.90 1.99 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.32 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.14 4.24 0.00	64.23 4.37 0.00	56.47 3.93 0.00	61.61 4.39 0.00	69.12 4.78 0.00	79.68 5.54 0.00	60.86 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.91 0.00	37.69 2.67 0.00
RAVENSWOOD_GT_9 24257	35.96 2.07 0.00	37.69 2.09 0.00	38.19 2.05 0.00	37.90 1.99 0.00	42.83 2.41 0.00	53.18 3.24 0.00	58.05 3.94 0.00	62.97 4.39 0.00	49.32 3.85 0.00	48.62 3.75 0.00	49.19 3.98 0.00	46.96 4.04 0.00	55.36 4.39 0.00	59.14 4.24 0.00	64.23 4.37 0.00	56.47 3.93 0.00	61.61 4.39 0.00	69.12 4.78 0.00	79.68 5.54 0.00	60.86 4.23 0.00	50.29 3.51 0.00	38.90 2.96 0.00	38.53 2.91 0.00	37.69 2.67 0.00



RAVENSWOOD___1 23533	35.87 1.99 0.00	37.60 2.00 0.00	38.07 1.93 0.00	37.79 1.87 0.00	42.81 2.39 0.00	53.19 3.25 0.00	58.05 3.95 0.00	62.95 4.37 0.00	49.38 3.91 0.00	48.69 3.81 0.00	49.26 4.05 0.00	47.05 4.13 0.00	55.36 4.39 0.00	59.11 4.21 0.00	64.21 4.35 0.00	56.45 3.90 0.00	61.57 4.35 0.00	69.04 4.70 0.00	79.56 5.41 0.00	60.78 4.16 0.00	50.32 3.53 0.00	38.97 3.03 0.00	38.59 2.97 0.00	37.75 2.72 0.00
RAVENSWOOD___2 23534	35.85 1.97 0.00	37.58 1.98 0.00	38.05 1.92 0.00	37.77 1.85 0.00	42.79 2.37 0.00	53.16 3.22 0.00	58.01 3.91 0.00	62.94 4.36 0.00	49.35 3.88 0.00	48.65 3.78 0.00	49.24 4.03 0.00	47.02 4.10 0.00	55.34 4.38 0.00	59.10 4.20 0.00	64.17 4.31 0.00	56.42 3.87 0.00	61.55 4.33 0.00	69.02 4.68 0.00	79.54 5.39 0.00	60.77 4.15 0.00	50.30 3.51 0.00	38.95 3.01 0.00	38.55 2.93 0.00	37.73 2.70 0.00
RAVENSWOOD___3 23535	35.95 2.07 0.00	37.68 2.09 0.00	38.18 2.04 0.00	37.90 1.99 0.00	42.83 2.41 0.00	53.17 3.24 0.00	58.04 3.93 0.00	62.97 4.39 0.00	49.33 3.86 0.00	48.63 3.76 0.00	49.19 3.99 0.00	46.97 4.04 0.00	55.35 4.38 0.00	59.14 4.24 0.00	64.23 4.37 0.00	56.47 3.92 0.00	61.60 4.38 0.00	69.11 4.78 0.00	79.67 5.52 0.00	60.86 4.24 0.00	50.30 3.51 0.00	38.90 2.96 0.00	38.53 2.91 0.00	37.70 2.67 0.00
RAVENSWOOD___4 23820	35.85 1.97 0.00	37.58 1.98 0.00	38.05 1.92 0.00	37.77 1.85 0.00	42.79 2.37 0.00	53.16 3.22 0.00	58.01 3.91 0.00	62.94 4.36 0.00	49.35 3.88 0.00	48.65 3.78 0.00	49.24 4.03 0.00	47.02 4.10 0.00	55.34 4.38 0.00	59.10 4.20 0.00	64.17 4.31 0.00	56.42 3.87 0.00	61.55 4.33 0.00	69.02 4.68 0.00	79.54 5.39 0.00	60.77 4.15 0.00	50.30 3.51 0.00	38.95 3.01 0.00	38.55 2.93 0.00	37.73 2.70 0.00
RCPL_TRUST___DRP 24196	35.98 2.10 0.00	37.71 2.11 0.00	38.22 2.08 0.00	37.94 2.02 0.00	42.87 2.44 0.00	53.21 3.28 0.00	58.10 3.99 0.00	63.03 4.45 0.00	49.38 3.91 0.00	48.69 3.82 0.00	49.25 4.04 0.00	47.03 4.10 0.00	55.43 4.46 0.00	59.19 4.30 0.00	64.28 4.41 0.00	56.51 3.96 0.00	61.66 4.44 0.00	69.17 4.84 0.00	79.78 5.62 0.00	60.90 4.28 0.00	50.32 3.53 0.00	38.92 2.98 0.00	38.55 2.94 0.00	37.72 2.69 0.00
RED___ROCHESTER 323720	32.54 -1.34 0.00	34.28 -1.32 0.00	34.80 -1.33 0.00	34.46 -1.46 0.00	38.68 -1.74 0.00	47.01 -2.91 0.02	50.81 -3.30 0.00	55.16 -3.42 0.00	42.86 -2.61 0.00	41.40 -2.16 1.31	42.54 -2.24 0.43	39.68 -2.35 0.88	48.15 -2.82 0.00	49.21 -2.96 2.73	48.25 -3.44 8.17	45.62 -2.99 3.94	49.81 -3.01 4.40	61.24 -3.08 0.02	70.84 -3.31 0.00	54.14 -2.48 0.00	41.53 -2.50 2.76	33.02 -2.10 0.81	33.55 -2.07 0.00	32.95 -2.07 0.00
REGAN___SOLAR 323812	35.00 1.12 0.00	36.78 1.18 0.00	37.33 1.20 0.00	37.14 1.22 0.00	41.82 1.40 0.00	51.82 1.88 0.00	56.28 2.17 0.00	60.58 2.00 0.00	45.77 0.30 0.00	44.85 -0.02 0.00	45.30 0.10 0.00	43.11 0.19 0.00	51.88 0.91 0.00	55.70 0.80 0.00	61.77 1.91 0.00	54.54 1.99 0.00	59.60 2.38 0.00	66.90 2.56 0.00	77.07 2.92 0.00	58.76 2.14 0.00	48.56 1.77 0.00	37.21 1.27 0.00	36.81 1.19 0.00	36.16 1.14 0.00
RENSSELAER___COGEN 23796	34.88 1.00 0.00	36.64 1.04 0.00	37.21 1.07 0.00	37.06 1.14 0.00	41.63 1.21 0.00	51.53 1.59 0.00	55.93 1.82 0.00	60.35 1.78 0.00	46.91 1.43 0.00	46.08 1.21 0.00	46.34 1.13 0.00	44.13 1.21 0.00	52.52 1.55 0.00	56.45 1.55 0.00	61.70 1.84 0.00	54.34 1.79 0.00	58.97 1.75 0.00	66.03 1.70 0.00	76.23 2.08 0.00	58.26 1.64 0.00	48.24 1.46 0.00	37.11 1.17 0.00	36.75 1.13 0.00	36.19 1.17 0.00
REPUBLIC_115KV_BARTNBRK 55605	37.54 3.66 0.00	39.36 3.76 0.00	39.52 3.39 0.00	39.76 3.84 0.00	44.52 4.10 0.00	55.81 5.87 0.00	60.65 6.55 0.00	64.65 6.08 0.00	48.96 3.49 0.00	47.38 2.51 0.00	47.60 2.39 0.00	45.56 2.64 0.00	55.51 4.54 0.00	59.11 4.21 0.00	65.27 5.40 0.00	57.86 5.31 0.00	62.98 5.76 0.00	71.22 6.88 0.00	82.58 8.43 0.00	63.19 6.57 0.00	51.90 5.12 0.00	39.40 3.47 0.00	38.81 3.19 0.00	38.57 3.54 0.00
REVERE_CPPR_DRP 24186	34.57 0.69 0.00	36.40 0.80 0.00	36.93 0.80 0.00	36.72 0.80 0.00	41.45 1.03 0.00	51.25 1.31 0.00	55.78 1.67 0.00	60.28 1.71 0.00	46.36 0.89 0.00	45.74 0.87 0.00	46.30 1.10 0.00	43.94 1.01 0.00	52.10 1.13 0.00	56.41 1.51 0.00	61.61 1.74 0.00	54.14 1.59 0.00	59.10 1.88 0.00	66.31 1.97 0.00	76.40 2.25 0.00	57.97 1.55 0.20	48.00 1.21 0.00	36.80 0.86 0.00	36.40 0.78 0.00	35.67 0.64 0.00
REYNLDPA_13_KV_LD 356490	34.37 0.49 0.00	36.07 0.46 0.00	36.52 0.38 0.00	36.27 0.36 0.00	40.85 0.43 0.00	50.66 0.72 0.00	54.67 0.57 0.00	59.30 0.72 0.00	46.08 0.61 0.00	45.65 0.77 0.00	45.96 0.76 0.00	43.45 0.52 0.00	51.60 0.63 0.00	55.58 0.68 0.00	60.89 1.02 0.00	53.09 0.54 0.00	57.95 0.72 0.00	65.51 1.17 0.00	75.14 0.99 0.00	57.34 0.72 0.00	47.41 0.62 0.00	36.36 0.42 0.00	36.07 0.45 0.00	35.53 0.51 0.00
REYNOLDS_115KV_TB3 80639	34.96 1.08 0.00	36.74 1.14 0.00	37.30 1.17 0.00	37.17 1.25 0.00	41.71 1.29 0.00	51.66 1.72 0.00	56.04 1.93 0.00	60.40 1.83 0.00	46.96 1.49 0.00	46.13 1.25 0.00	46.36 1.15 0.00	44.19 1.27 0.00	52.61 1.64 0.00	56.56 1.66 0.00	61.82 1.96 0.00	54.43 1.88 0.00	59.00 1.78 0.00	66.04 1.70 0.00	76.27 2.12 0.00	58.32 1.69 0.00	48.30 1.52 0.00	37.13 1.19 0.00	36.80 1.18 0.00	36.29 1.26 0.00
RIVERBAY____ 323610	36.29 2.42 0.00	38.08 2.48 0.00	38.54 2.41 0.00	38.26 2.35 0.00	43.65 3.23 0.00	54.34 4.40 0.00	59.36 5.25 0.00	64.36 5.78 0.00	50.38 4.90 0.00	49.61 4.74 0.00	50.11 4.90 0.00	47.84 4.91 0.00	56.29 5.32 0.00	60.21 5.31 0.00	65.36 5.49 0.00	57.45 4.90 0.00	62.67 5.45 0.00	70.33 5.99 0.00	81.14 6.99 0.00	61.98 5.36 0.00	51.21 4.42 0.00	39.62 3.68 0.00	39.23 3.61 0.00	38.41 3.39 0.00
RIVERSDE_115KV_TB3 55908	34.91 1.03 0.00	36.68 1.08 0.00	37.25 1.11 0.00	37.10 1.18 0.00	41.67 1.24 0.00	51.58 1.64 0.00	55.98 1.88 0.00	60.40 1.82 0.00	46.95 1.48 0.00	46.14 1.27 0.00	46.39 1.18 0.00	44.21 1.29 0.00	52.59 1.63 0.00	56.55 1.65 0.00	61.79 1.92 0.00	54.40 1.85 0.00	59.01 1.79 0.00	66.07 1.73 0.00	76.28 2.13 0.00	58.31 1.69 0.00	48.29 1.50 0.00	37.13 1.19 0.00	36.77 1.16 0.00	36.24 1.21 0.00
ROARING___BROOK_WT_PWR 323790	33.22 -0.66 0.00	34.80 -0.80 0.00	35.24 -0.89 0.00	35.12 -0.80 0.00	39.46 -0.96 0.00	48.68 -1.26 0.00	52.65 -1.46 0.00	57.09 -1.49 0.00	44.58 -0.89 0.00	44.20 -0.68 0.00	44.59 -0.61 0.00	42.19 -0.73 0.00	49.97 -1.00 0.00	53.82 -1.08 0.00	58.44 -1.42 0.00	51.16 -1.39 0.00	55.72 -1.50 0.00	62.76 -1.58 0.00	72.39 -1.76 0.00	55.19 -1.43 0.00	45.93 -0.85 0.00	35.07 -0.87 0.00	34.80 -0.82 0.00	34.23 -0.80 0.00



ROCHESRG_115KV_T4 355643	32.24 -1.64 0.00	33.99 -1.61 0.00	34.51 -1.63 0.00	34.18 -1.74 0.00	38.35 -2.07 0.00	46.38 -3.35 0.21	48.24 -3.88 1.99	54.52 -4.06 0.00	42.38 -3.09 0.00	40.92 -2.67 1.28	42.03 -2.75 0.42	39.21 -2.85 0.86	47.53 -3.43 0.00	48.59 -3.64 2.67	47.72 -4.16 7.98	45.07 -3.62 3.86	49.18 -3.73 4.31	60.41 -3.91 0.02	69.86 -4.29 0.00	53.43 -3.19 0.00	41.00 -3.04 2.75	32.64 -2.50 0.80	33.19 -2.43 0.00	32.62 -2.41 0.00
ROCHESTER_9_IC 23652	32.40 -1.48 0.00	34.15 -1.45 0.00	34.67 -1.47 0.00	34.33 -1.59 0.00	38.54 -1.89 0.00	46.81 -3.11 0.02	50.53 -3.58 0.00	54.87 -3.71 0.00	42.64 -2.83 0.00	41.17 -2.40 1.31	42.31 -2.46 0.43	39.45 -2.59 0.88	47.86 -3.11 0.00	48.88 -3.28 2.73	47.91 -3.78 8.17	45.32 -3.29 3.94	49.47 -3.35 4.40	60.83 -3.49 0.02	70.35 -3.80 0.00	53.80 -2.82 0.00	41.28 -2.75 2.76	32.83 -2.29 0.81	33.38 -2.24 0.00	32.80 -2.23 0.00
ROCKVIEW_13_KV_LD 356306	35.93 2.04 0.00	37.67 2.07 0.00	38.18 2.04 0.00	37.90 1.98 0.00	42.79 2.37 0.00	53.09 3.15 0.00	57.98 3.88 0.00	62.98 4.40 0.00	49.27 3.79 0.00	48.55 3.67 0.00	49.10 3.89 0.00	46.87 3.95 0.00	55.30 4.34 0.00	59.15 4.25 0.00	64.25 4.38 0.00	56.49 3.94 0.00	61.60 4.38 0.00	69.14 4.81 0.00	79.72 5.57 0.00	60.87 4.25 0.00	50.31 3.53 0.00	38.87 2.93 0.00	38.49 2.87 0.00	37.63 2.60 0.00
ROME____115KV_TB2 80656	34.57 0.69 0.00	36.40 0.80 0.00	36.93 0.80 0.00	36.72 0.80 0.00	41.45 1.03 0.00	51.25 1.31 0.00	55.78 1.67 0.00	60.28 1.71 0.00	46.36 0.89 0.00	45.74 0.87 0.00	46.30 1.10 0.00	43.94 1.01 0.00	52.10 1.13 0.00	56.41 1.51 0.00	61.61 1.74 0.00	54.14 1.59 0.00	59.10 1.88 0.00	66.31 1.97 0.00	76.40 2.25 0.00	57.97 1.55 0.20	48.00 1.21 0.00	36.80 0.86 0.00	36.40 0.78 0.00	35.67 0.64 0.00
ROSETON___1 23587	35.56 1.68 0.00	37.31 1.71 0.00	37.83 1.70 0.00	37.57 1.66 0.00	42.39 1.98 0.00	52.57 2.63 0.00	57.26 3.15 0.00	62.13 3.55 0.00	48.53 3.06 0.00	47.83 2.96 0.00	48.32 3.12 0.00	46.12 3.19 0.00	54.47 3.50 0.00	58.28 3.38 0.00	63.31 3.45 0.00	55.74 3.19 0.00	60.69 3.47 0.00	68.08 3.74 0.00	78.49 4.34 0.00	59.96 3.34 0.00	49.57 2.78 0.00	38.31 2.38 0.00	37.97 2.35 0.00	37.18 2.15 0.00
ROSETON___2 23588	35.56 1.68 0.00	37.31 1.71 0.00	37.83 1.70 0.00	37.57 1.66 0.00	42.39 1.98 0.00	52.57 2.63 0.00	57.26 3.15 0.00	62.13 3.55 0.00	48.53 3.06 0.00	47.83 2.96 0.00	48.32 3.12 0.00	46.12 3.19 0.00	54.47 3.50 0.00	58.28 3.38 0.00	63.31 3.45 0.00	55.74 3.19 0.00	60.69 3.47 0.00	68.08 3.74 0.00	78.49 4.34 0.00	59.96 3.34 0.00	49.57 2.78 0.00	38.31 2.38 0.00	37.97 2.35 0.00	37.18 2.15 0.00
ROTTRDAM_115KV_TB3 80664	34.84 0.96 0.00	36.61 1.01 0.00	37.18 1.04 0.00	37.01 1.09 0.00	41.61 1.19 0.00	51.51 1.57 0.00	55.88 1.78 0.00	60.31 1.73 0.00	46.69 1.22 0.00	45.88 1.01 0.00	46.19 0.99 0.00	43.99 1.07 0.00	52.40 1.43 0.00	56.25 1.36 0.00	61.56 1.70 0.00	54.22 1.67 0.00	58.98 1.76 0.00	66.13 1.79 0.00	76.29 2.14 0.00	58.31 1.69 0.00	48.23 1.44 0.00	37.05 1.11 0.00	36.71 1.09 0.00	36.13 1.10 0.00
RUSSELL___1 23602	32.54 -1.34 0.00	34.28 -1.32 0.00	34.80 -1.33 0.00	34.46 -1.46 0.00	38.68 -1.74 0.00	47.00 -2.91 0.02	50.79 -3.32 0.00	55.16 -3.42 0.00	42.87 -2.60 0.00	41.40 -2.17 1.31	42.54 -2.23 0.43	39.67 -2.36 0.88	48.13 -2.84 0.00	49.18 -2.98 2.73	48.25 -3.45 8.17	45.61 -3.00 3.94	49.80 -3.02 4.40	61.20 -3.12 0.02	70.82 -3.33 0.00	54.13 -2.49 0.00	41.53 -2.50 2.76	33.02 -2.11 0.81	33.55 -2.07 0.00	32.95 -2.07 0.00
RUSSELL___2 23532	32.54 -1.34 0.00	34.28 -1.32 0.00	34.80 -1.33 0.00	34.46 -1.46 0.00	38.68 -1.74 0.00	47.00 -2.91 0.02	50.79 -3.32 0.00	55.16 -3.42 0.00	42.87 -2.60 0.00	41.40 -2.17 1.31	42.54 -2.23 0.43	39.67 -2.36 0.88	48.13 -2.84 0.00	49.18 -2.98 2.73	48.25 -3.45 8.17	45.61 -3.00 3.94	49.80 -3.02 4.40	61.20 -3.12 0.02	70.82 -3.33 0.00	54.13 -2.49 0.00	41.53 -2.50 2.76	33.02 -2.11 0.81	33.55 -2.07 0.00	32.95 -2.07 0.00
RUSSELL___3 23549	32.54 -1.34 0.00	34.28 -1.32 0.00	34.80 -1.33 0.00	34.46 -1.46 0.00	38.68 -1.74 0.00	47.00 -2.91 0.02	50.79 -3.32 0.00	55.16 -3.42 0.00	42.87 -2.60 0.00	41.40 -2.17 1.31	42.54 -2.23 0.43	39.67 -2.36 0.88	48.13 -2.84 0.00	49.18 -2.98 2.73	48.25 -3.45 8.17	45.61 -3.00 3.94	49.80 -3.02 4.40	61.20 -3.12 0.02	70.82 -3.33 0.00	54.13 -2.49 0.00	41.53 -2.50 2.76	33.02 -2.11 0.81	33.55 -2.07 0.00	32.95 -2.07 0.00
RUSSELL___4 23556	32.54 -1.34 0.00	34.28 -1.32 0.00	34.80 -1.33 0.00	34.46 -1.46 0.00	38.68 -1.74 0.00	47.00 -2.91 0.02	50.79 -3.32 0.00	55.16 -3.42 0.00	42.87 -2.60 0.00	41.40 -2.17 1.31	42.54 -2.23 0.43	39.67 -2.36 0.88	48.13 -2.84 0.00	49.18 -2.98 2.73	48.25 -3.45 8.17	45.61 -3.00 3.94	49.80 -3.02 4.40	61.20 -3.12 0.02	70.82 -3.33 0.00	54.13 -2.49 0.00	41.53 -2.50 2.76	33.02 -2.11 0.81	33.55 -2.07 0.00	32.95 -2.07 0.00
RUSSELL___STATION 23914	32.54 -1.34 0.00	34.28 -1.32 0.00	34.80 -1.33 0.00	34.46 -1.46 0.00	38.68 -1.74 0.00	47.00 -2.91 0.02	50.79 -3.32 0.00	55.16 -3.42 0.00	42.87 -2.60 0.00	41.40 -2.17 1.31	42.54 -2.23 0.43	39.67 -2.36 0.88	48.13 -2.84 0.00	49.18 -2.98 2.73	48.25 -3.45 8.17	45.61 -3.00 3.94	49.80 -3.02 4.40	61.20 -3.12 0.02	70.82 -3.33 0.00	54.13 -2.49 0.00	41.53 -2.50 2.76	33.02 -2.11 0.81	33.55 -2.07 0.00	32.95 -2.07 0.00
S SALMON___HYD 24043	32.98 -0.90 0.00	34.62 -0.98 0.00	35.09 -1.05 0.00	34.92 -1.00 0.00	39.37 -1.05 0.00	48.42 -1.52 0.00	52.54 -1.57 0.00	56.79 -1.79 0.00	44.05 -1.43 0.00	43.61 -1.26 0.00	44.12 -1.09 0.00	41.68 -1.24 0.00	49.56 -1.41 0.00	53.55 -1.35 0.00	58.27 -1.60 0.00	51.14 -1.41 0.00	55.73 -1.49 0.00	62.74 -1.60 0.00	72.30 -1.85 0.00	54.92 -1.48 0.22	45.46 -1.33 0.00	34.95 -0.99 0.00	34.54 -1.08 0.00	33.88 -1.15 0.00
S.PERRY__115KV_TB1 80734	32.86 -1.03 0.00	34.57 -1.03 0.00	35.08 -1.06 0.00	34.64 -1.27 0.00	39.03 -1.39 0.00	51.78 -2.42 -4.25	97.34 -2.53 -45.77	56.37 -2.21 0.00	43.02 -2.46 0.00	36.73 -2.46 5.69	41.13 -2.19 1.89	36.68 -2.39 3.86	48.09 -2.88 0.00	39.69 -3.31 11.90	21.18 -3.53 35.16	34.59 -2.72 15.25	37.39 -2.76 17.07	61.80 -2.46 0.08	71.94 -2.21 0.00	54.95 -1.67 0.00	37.32 -2.00 7.47	31.68 -1.85 2.41	33.78 -1.84 0.00	33.18 -1.85 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	31.27 -2.61 0.00	33.03 -2.57 0.00	33.56 -2.58 0.00	33.10 -2.82 0.00	37.07 -3.35 0.00	43.37 -5.63 0.94	37.81 -6.73 9.57	51.61 -6.96 0.00	40.26 -5.21 0.00	38.13 -4.60 2.14	39.77 -4.73 0.71	36.49 -4.98 1.45	44.99 -5.98 0.00	44.08 -6.34 4.47	39.25 -7.17 13.45	39.31 -6.46 6.77	43.03 -6.62 7.57	57.17 -7.14 0.03	66.32 -7.83 0.00	50.81 -5.82 0.00	36.16 -5.45 5.18	30.06 -4.40 1.49	31.41 -4.21 0.00	30.94 -4.09 0.00



SAWYER___23_KV_LOAD 55526	31.27 -2.61 0.00	33.03 -2.57 0.00	33.56 -2.58 0.00	33.10 -2.82 0.00	37.07 -3.35 0.00	43.37 -5.63 0.94	37.81 -6.73 9.57	51.61 -6.96 0.00	40.26 -5.21 0.00	38.13 -4.60 2.14	39.77 -4.73 0.71	36.49 -4.98 1.45	44.99 -5.98 0.00	44.08 -6.34 4.47	39.25 -7.17 13.45	39.31 -6.46 6.77	43.03 -6.62 7.57	57.17 -7.14 0.03	66.32 -7.83 0.00	50.81 -5.82 0.00	36.16 -5.45 5.18	30.06 -4.40 1.49	31.41 -4.21 0.00	30.94 -4.09 0.00
SELKIRK___I 23801	34.93 1.05 0.00	36.73 1.13 0.00	37.34 1.21 0.00	37.17 1.25 0.00	41.78 1.36 0.00	51.65 1.71 0.00	56.04 1.93 0.00	60.50 1.92 0.00	46.93 1.46 0.00	46.11 1.24 0.00	46.34 1.13 0.00	44.11 1.19 0.00	52.54 1.57 0.00	56.42 1.53 0.00	61.72 1.85 0.00	54.38 1.84 0.00	59.05 1.83 0.00	66.15 1.82 0.00	76.35 2.20 0.00	58.34 1.72 0.00	48.31 1.53 0.00	37.15 1.21 0.00	36.79 1.17 0.00	36.23 1.20 0.00
SELKIRK___II 23799	34.83 0.94 0.00	36.60 1.00 0.00	37.20 1.06 0.00	37.02 1.10 0.00	41.61 1.19 0.00	51.48 1.54 0.00	55.86 1.76 0.00	60.35 1.77 0.00	46.89 1.42 0.00	46.09 1.22 0.00	46.37 1.16 0.00	44.16 1.24 0.00	52.51 1.54 0.00	56.43 1.53 0.00	61.61 1.74 0.00	54.24 1.69 0.00	58.92 1.70 0.00	66.01 1.67 0.00	76.16 2.01 0.00	58.22 1.59 0.00	48.21 1.42 0.00	37.08 1.14 0.00	36.73 1.11 0.00	36.15 1.12 0.00
SENECA OSWGO___HYD 24041	32.84 -1.05 0.00	34.53 -1.07 0.00	35.08 -1.06 0.00	34.84 -1.07 0.00	39.24 -1.19 0.00	48.31 -1.63 0.00	52.47 -1.63 0.00	56.82 -1.77 0.00	44.05 -1.43 0.00	43.44 -1.43 0.00	43.85 -1.35 0.00	41.60 -1.33 0.00	49.43 -1.54 0.00	53.29 -1.60 0.00	57.94 -1.93 0.00	50.98 -1.57 0.00	55.56 -1.66 0.00	62.42 -1.92 0.00	72.06 -2.09 0.00	55.03 -1.60 0.00	45.35 -1.44 0.00	34.86 -1.08 0.00	34.49 -1.13 0.00	33.88 -1.15 0.00
SENECA___115KV_TB3 355854	31.51 -2.38 0.00	33.25 -2.34 0.00	33.78 -2.36 0.00	33.31 -2.61 0.00	37.36 -3.06 0.00	43.60 -5.19 1.14	36.34 -6.12 11.66	52.30 -6.28 0.00	40.77 -4.71 0.00	38.44 -4.10 2.33	40.19 -4.24 0.77	36.82 -4.53 1.58	45.59 -5.37 0.00	44.29 -5.74 4.87	38.64 -6.56 14.67	39.17 -5.89 7.49	42.75 -6.09 8.38	57.88 -6.42 0.04	67.17 -6.98 0.00	51.39 -5.23 0.00	35.89 -5.06 5.83	30.19 -4.08 1.67	31.71 -3.92 0.00	31.23 -3.79 0.00
SENECA___ENERGY 23797	32.98 -0.90 0.00	34.65 -0.95 0.00	35.17 -0.96 0.00	34.84 -1.07 0.00	39.35 -1.07 0.00	48.33 -1.61 -0.01	52.45 -1.66 0.00	56.82 -1.76 0.00	43.97 -1.50 0.00	43.90 -1.42 -0.44	43.87 -1.49 -0.15	41.81 -1.41 -0.30	49.38 -1.59 0.00	54.15 -1.67 -0.92	60.69 -1.91 -2.74	52.23 -1.61 -1.28	56.92 -1.76 -1.46	62.55 -1.79 -0.01	72.24 -1.91 0.00	55.20 -1.42 0.00	46.21 -1.39 -0.81	34.96 -1.22 -0.24	34.35 -1.27 0.00	33.72 -1.30 0.00
SHOEMAKER___GT 23640	35.53 1.65 0.00	37.30 1.69 0.00	37.83 1.70 0.00	37.58 1.66 0.00	42.41 1.99 0.00	52.57 2.62 0.00	57.26 3.16 0.00	62.15 3.57 0.00	48.44 2.97 0.00	47.67 2.80 0.00	48.02 2.81 0.00	45.86 2.94 0.00	54.29 3.33 0.00	58.15 3.25 0.00	63.09 3.23 0.00	55.60 3.05 0.00	60.66 3.44 0.00	68.13 3.80 0.00	78.56 4.41 0.00	59.98 3.35 0.00	49.56 2.78 0.00	38.26 2.32 0.00	37.90 2.28 0.00	37.12 2.09 0.00
SHOEMAKR_138KV_BK 111 55601	35.52 1.64 0.00	37.27 1.66 0.00	37.82 1.68 0.00	37.55 1.64 0.00	42.39 1.97 0.00	52.54 2.60 0.00	57.24 3.13 0.00	62.13 3.55 0.00	48.43 2.96 0.00	47.66 2.79 0.00	48.06 2.85 0.00	45.87 2.95 0.00	54.30 3.33 0.00	58.15 3.25 0.00	63.12 3.25 0.00	55.60 3.05 0.00	60.64 3.42 0.00	68.09 3.76 0.00	78.51 4.36 0.00	59.95 3.33 0.00	49.55 2.76 0.00	38.24 2.30 0.00	37.89 2.27 0.00	37.11 2.08 0.00
SHOREHAM_IC_1 23715	35.00 1.28 0.16	36.06 1.20 0.74	36.34 1.12 0.91	36.19 1.09 0.82	40.66 1.38 1.14	52.08 2.17 0.03	57.33 3.23 0.00	62.30 3.72 0.00	47.92 3.05 0.60	45.99 2.61 1.49	42.94 2.74 5.01	44.74 3.06 1.24	51.25 2.82 2.53	58.07 3.17 0.00	63.30 3.44 0.00	58.10 3.21 -2.34	59.90 3.50 0.82	65.33 3.49 2.50	76.26 4.06 1.95	59.75 3.13 0.00	49.85 3.06 0.00	38.16 2.23 0.00	37.68 2.06 0.00	36.69 1.74 0.07
SHOREHAM_IC_2 23716	35.00 1.28 0.16	36.06 1.20 0.74	36.34 1.12 0.91	36.19 1.09 0.82	40.67 1.38 1.14	52.08 2.17 0.03	57.34 3.23 0.00	62.30 3.72 0.00	47.90 3.03 0.60	45.99 2.61 1.49	42.94 2.74 5.01	44.74 3.05 1.24	51.27 2.83 2.53	58.07 3.17 0.00	63.30 3.44 0.00	58.10 3.21 -2.34	59.91 3.51 0.82	65.33 3.49 2.50	76.25 4.05 1.95	59.75 3.13 0.00	49.85 3.06 0.00	38.16 2.22 0.00	37.68 2.06 0.00	36.69 1.74 0.07
SISSONVILLE____ 23735	34.63 0.74 0.00	36.31 0.71 0.00	36.71 0.57 0.00	36.48 0.56 0.00	41.13 0.70 0.00	50.96 1.02 0.00	54.80 0.69 0.00	59.41 0.83 0.00	46.14 0.67 0.00	46.03 1.16 0.00	48.70 3.49 0.00	45.43 2.51 0.00	53.73 2.77 0.00	56.20 1.31 0.00	61.45 1.59 0.00	53.51 0.96 0.00	58.42 1.20 0.00	65.90 1.56 0.00	75.53 1.38 0.00	55.27 0.92 2.27	47.54 0.75 0.00	36.45 0.51 0.00	36.25 0.63 0.00	35.69 0.67 0.00
SITHE_IND_GS1 24169	32.50 -1.38 0.00	34.18 -1.42 0.00	34.70 -1.44 0.00	34.48 -1.44 0.00	38.79 -1.63 0.00	47.80 -2.14 0.00	51.83 -2.28 0.00	56.12 -2.46 0.00	43.52 -1.95 0.00	42.96 -1.91 0.00	43.30 -1.91 0.00	41.11 -1.82 0.00	48.82 -2.15 0.00	52.59 -2.31 0.00	57.28 -2.58 0.00	50.36 -2.19 0.00	54.84 -2.38 0.00	61.66 -2.68 0.00	71.10 -3.05 0.00	54.31 -2.32 0.00	44.83 -1.95 0.00	34.43 -1.51 0.00	34.11 -1.51 0.00	33.52 -1.50 0.00
SITHE_IND_GS2 24170	32.50 -1.38 0.00	34.18 -1.42 0.00	34.70 -1.44 0.00	34.48 -1.44 0.00	38.79 -1.63 0.00	47.80 -2.14 0.00	51.83 -2.28 0.00	56.12 -2.46 0.00	43.52 -1.95 0.00	42.96 -1.91 0.00	43.30 -1.91 0.00	41.11 -1.82 0.00	48.82 -2.15 0.00	52.59 -2.31 0.00	57.28 -2.58 0.00	50.36 -2.19 0.00	54.84 -2.38 0.00	61.66 -2.68 0.00	71.10 -3.05 0.00	54.31 -2.32 0.00	44.83 -1.95 0.00	34.43 -1.51 0.00	34.11 -1.51 0.00	33.52 -1.50 0.00
SITHE_IND_GS3 24171	32.50 -1.38 0.00	34.18 -1.42 0.00	34.70 -1.44 0.00	34.48 -1.44 0.00	38.79 -1.63 0.00	47.80 -2.14 0.00	51.83 -2.28 0.00	56.12 -2.46 0.00	43.52 -1.95 0.00	42.96 -1.91 0.00	43.30 -1.91 0.00	41.11 -1.82 0.00	48.82 -2.15 0.00	52.59 -2.31 0.00	57.28 -2.58 0.00	50.36 -2.19 0.00	54.84 -2.38 0.00	61.66 -2.68 0.00	71.10 -3.05 0.00	54.31 -2.32 0.00	44.83 -1.95 0.00	34.43 -1.51 0.00	34.11 -1.51 0.00	33.52 -1.50 0.00
SITHE_IND_GS4 24172	32.50 -1.38 0.00	34.18 -1.42 0.00	34.70 -1.44 0.00	34.48 -1.44 0.00	38.79 -1.63 0.00	47.80 -2.14 0.00	51.83 -2.28 0.00	56.12 -2.46 0.00	43.52 -1.95 0.00	42.96 -1.91 0.00	43.30 -1.91 0.00	41.11 -1.82 0.00	48.82 -2.15 0.00	52.59 -2.31 0.00	57.28 -2.58 0.00	50.36 -2.19 0.00	54.84 -2.38 0.00	61.66 -2.68 0.00	71.10 -3.05 0.00	54.31 -2.32 0.00	44.83 -1.95 0.00	34.43 -1.51 0.00	34.11 -1.51 0.00	33.52 -1.50 0.00



SITHE___BATAVIA 24024	32.26 -1.62 0.00	34.09 -1.51 0.00	34.64 -1.50 0.00	34.26 -1.66 0.00	38.34 -2.08 0.00	45.46 -3.83 0.66	42.89 -4.56 6.65	53.90 -4.69 0.00	41.94 -3.54 0.00	40.23 -2.92 1.72	41.65 -2.98 0.57	38.51 -3.25 1.17	47.10 -3.86 0.00	47.21 -4.09 3.59	44.51 -4.58 10.78	43.07 -4.14 5.34	47.03 -4.23 5.97	60.09 -4.22 0.03	69.55 -4.60 0.00	53.23 -3.39 0.00	39.26 -3.47 4.06	31.84 -2.93 1.17	32.79 -2.83 0.00	32.19 -2.84 0.00
SITHE___INDEPEND 23800	32.50 -1.38 0.00	34.17 -1.43 0.00	34.70 -1.44 0.00	34.49 -1.43 0.00	38.80 -1.63 0.00	47.80 -2.14 0.00	51.83 -2.28 0.00	56.12 -2.46 0.00	43.52 -1.95 0.00	42.96 -1.91 0.00	43.30 -1.91 0.00	41.10 -1.82 0.00	48.82 -2.15 0.00	52.59 -2.31 0.00	57.28 -2.58 0.00	50.35 -2.19 0.00	54.83 -2.39 0.00	61.66 -2.68 0.00	71.10 -3.05 0.00	54.31 -2.32 0.00	44.83 -1.95 0.00	34.43 -1.51 0.00	34.11 -1.52 0.00	33.52 -1.50 0.00
SITHE___MASSENA 23902	34.50 0.62 0.00	36.21 0.61 0.00	36.65 0.52 0.00	36.41 0.49 0.00	41.01 0.59 0.00	50.85 0.91 0.00	54.85 0.74 0.00	59.50 0.92 0.00	46.23 0.76 0.00	45.80 0.93 0.00	46.04 0.84 0.00	43.49 0.57 0.00	51.71 0.74 0.00	55.83 0.93 0.00	61.16 1.29 0.00	53.36 0.81 0.00	58.24 1.02 0.00	65.79 1.45 0.00	75.50 1.35 0.00	57.18 0.97 0.41	47.59 0.80 0.00	36.49 0.55 0.00	36.21 0.59 0.00	35.65 0.63 0.00
SITHE___OGDNSBRG 24021	35.08 1.19 0.00	36.82 1.22 0.00	37.23 1.10 0.00	36.99 1.07 0.00	41.70 1.27 0.00	51.76 1.82 0.00	55.83 1.73 0.00	60.54 1.96 0.00	47.02 1.55 0.00	46.73 1.86 0.00	47.99 2.78 0.00	44.79 1.86 0.00	53.46 2.49 0.00	56.83 1.93 0.00	62.40 2.54 0.00	54.39 1.84 0.00	59.43 2.21 0.00	67.24 2.90 0.00	77.08 2.93 0.00	57.18 2.11 1.55	48.51 1.72 0.00	37.14 1.20 0.00	36.84 1.22 0.00	36.26 1.23 0.00
SITHE___STERLING 23777	34.36 0.48 0.00	36.19 0.59 0.00	36.76 0.62 0.00	36.52 0.61 0.00	41.21 0.79 0.00	50.95 1.01 0.00	55.41 1.31 0.00	59.95 1.37 0.00	46.15 0.68 0.00	45.45 0.58 0.00	45.93 0.72 0.00	43.64 0.72 0.00	51.78 0.82 0.00	55.96 1.07 0.00	61.14 1.28 0.00	53.82 1.27 0.00	58.69 1.48 0.00	65.77 1.44 0.00	75.82 1.67 0.00	57.78 1.15 0.00	47.67 0.88 0.00	36.58 0.64 0.00	36.18 0.56 0.00	35.49 0.46 0.00
SLEIGHT__34_KV_TB1 80719	32.59 -1.29 0.00	34.27 -1.33 0.00	34.83 -1.31 0.00	34.52 -1.40 0.00	38.84 -1.58 0.00	47.52 -2.41 0.01	51.47 -2.64 0.00	55.75 -2.83 0.00	43.20 -2.27 0.00	42.45 -2.02 0.40	43.01 -2.07 0.13	40.59 -2.06 0.27	48.55 -2.42 0.00	51.57 -2.49 0.84	54.46 -2.89 2.51	48.76 -2.55 1.24	53.25 -2.60 1.37	61.61 -2.72 0.01	71.23 -2.92 0.00	54.42 -2.20 0.00	43.71 -2.15 0.93	33.84 -1.83 0.27	33.78 -1.84 0.00	33.19 -1.84 0.00
SMITHTWN_69_KV_BK 1 55830	35.66 1.71 -0.07	37.62 1.69 -0.33	38.16 1.62 -0.41	37.86 1.58 -0.36	42.86 1.93 -0.50	52.73 2.78 -0.01	57.93 3.82 0.00	62.99 4.41 0.00	49.33 3.59 -0.27	48.77 3.24 -0.66	50.82 3.38 -2.22	47.51 3.69 -0.90	53.45 3.58 1.09	58.74 3.85 0.00	64.06 4.20 0.00	58.78 3.87 -2.36	61.92 4.33 -0.37	69.96 4.52 -1.11	79.68 5.21 -0.31	60.57 3.95 0.00	50.33 3.54 0.00	38.60 2.66 0.00	38.15 2.53 0.00	37.30 2.25 -0.03
SOUTH CAIRO___GT 23612	35.74 1.86 0.00	37.56 1.95 0.00	38.16 2.03 0.00	38.01 2.10 0.00	42.72 2.30 0.00	52.97 3.03 0.00	57.70 3.59 0.00	62.46 3.88 0.00	48.25 2.78 0.00	46.92 2.05 0.00	46.71 1.50 0.00	44.42 1.50 0.00	53.18 2.21 0.00	57.30 2.41 0.00	62.55 2.69 0.00	55.88 3.33 0.00	60.91 3.69 0.00	68.41 4.07 0.00	78.86 4.71 0.00	60.16 3.53 0.00	49.72 2.93 0.00	38.10 2.16 0.00	37.63 2.01 0.00	37.01 1.98 0.00
SOUTH HAMPTN___IC 23720	35.30 1.85 0.44	35.38 1.81 2.03	35.38 1.75 2.50	35.40 1.72 2.24	39.40 2.09 3.11	52.95 3.09 0.07	58.31 4.20 0.00	63.31 4.73 0.01	47.61 3.78 1.64	44.00 3.22 4.09	34.89 3.39 13.71	42.84 3.73 3.81	49.98 3.72 4.71	59.17 4.28 0.00	64.47 4.61 0.00	59.10 4.22 -2.33	59.45 4.47 2.24	61.72 4.23 6.85	74.26 5.03 4.92	60.69 4.07 0.00	50.47 3.68 0.00	38.39 2.45 0.00	37.69 2.07 0.00	36.50 1.67 0.20
SOUTHDOW_115KV_TB1 355954	31.93 -1.95 0.00	33.70 -1.90 0.00	34.27 -1.87 0.00	33.59 -2.33 0.00	38.09 -2.33 0.00	45.43 -4.03 0.48	45.07 -4.52 4.51	54.67 -3.91 0.00	42.79 -2.68 0.00	39.47 -2.66 2.74	41.27 -3.03 0.91	39.80 -3.42 -0.30	47.00 -3.97 0.00	44.81 -4.36 5.73	37.43 -5.01 17.42	38.20 -4.71 9.64	41.98 -4.45 10.79	59.69 -4.60 0.05	69.52 -4.63 0.00	53.04 -3.58 0.00	36.92 -4.10 5.77	30.65 -3.35 1.94	32.39 -3.23 0.00	31.82 -3.21 0.00
SOUTHOLD_69_KV_BK 2 55809	35.67 2.24 0.45	35.72 2.20 2.07	35.72 2.14 2.56	35.74 2.11 2.29	39.78 2.53 3.17	53.53 3.67 0.07	58.90 4.80 0.00	63.91 5.34 0.01	47.99 4.20 1.68	44.18 3.49 4.17	34.90 3.70 14.01	43.08 4.06 3.90	50.45 4.26 4.78	59.87 4.97 0.00	65.22 5.35 0.00	59.76 4.88 -2.33	59.97 5.04 2.29	61.78 4.44 7.00	74.53 5.41 5.02	61.22 4.60 0.00	50.75 3.97 0.00	38.33 2.39 0.00	37.39 1.78 0.00	36.09 1.27 0.20
SOUTHOLD___IC 23719	35.68 2.24 0.45	35.72 2.20 2.07	35.73 2.15 2.56	35.74 2.11 2.29	39.78 2.53 3.17	53.53 3.66 0.07	58.90 4.80 0.00	63.91 5.33 0.01	48.00 4.20 1.68	44.18 3.49 4.17	34.90 3.70 14.01	43.09 4.07 3.90	50.44 4.25 4.78	59.87 4.98 0.00	65.23 5.37 0.00	59.77 4.89 -2.33	59.97 5.04 2.29	61.77 4.43 7.00	74.53 5.40 5.02	61.21 4.59 0.00	50.76 3.97 0.00	38.33 2.39 0.00	37.39 1.77 0.00	36.09 1.27 0.20
SOUTH_FORK_WT_PWR 323839	35.76 2.33 0.44	35.85 2.30 2.05	35.86 2.25 2.53	35.87 2.21 2.26	39.93 2.65 3.14	53.68 3.82 0.07	59.03 4.93 0.00	63.97 5.39 0.01	48.04 4.22 1.66	44.10 3.35 4.13	34.97 3.61 13.85	43.08 4.01 3.85	50.55 4.32 4.74	60.04 5.14 0.00	65.40 5.53 0.00	59.93 5.05 -2.33	59.98 5.02 2.26	61.43 4.01 6.92	74.25 5.06 4.97	61.17 4.55 0.00	50.64 3.85 0.00	38.00 2.06 0.00	36.88 1.26 0.00	35.50 0.68 0.20
SPIERFLS_115KV_TB 1 80737	35.34 1.46 0.00	37.10 1.50 0.00	37.49 1.36 0.00	37.51 1.59 0.00	42.14 1.71 0.00	52.38 2.45 0.00	56.80 2.69 0.00	60.93 2.35 0.00	46.83 1.35 0.00	45.66 0.79 0.00	45.94 0.73 0.00	43.83 0.91 0.00	52.62 1.65 0.00	56.34 1.44 0.00	61.97 2.11 0.00	54.79 2.24 0.00	59.58 2.36 0.00	66.95 2.61 0.00	77.37 3.21 0.00	59.14 2.52 0.00	48.90 2.12 0.00	37.40 1.46 0.00	37.04 1.42 0.00	36.59 1.56 0.00
ST LAWRENCE____ 23600	33.99 0.11 0.00	35.67 0.07 0.00	36.12 -0.02 0.00	35.88 -0.04 0.00	40.39 -0.03 0.00	50.07 0.13 0.00	54.05 -0.06 0.00	58.64 0.06 0.00	45.57 0.10 0.00	45.13 0.26 0.00	45.46 0.25 0.00	43.00 0.08 0.00	51.05 0.08 0.00	55.14 0.25 0.00	60.16 0.30 0.00	52.61 0.06 0.00	57.33 0.10 0.00	64.73 0.40 0.00	74.36 0.21 0.00	56.90 0.12 -0.16	46.84 0.06 0.00	35.93 -0.01 0.00	35.65 0.03 0.00	35.11 0.08 0.00



STATE_CA_115KV_115_LB 55624	35.08 1.20 0.00	36.86 1.26 0.00	37.44 1.30 0.00	37.28 1.36 0.00	41.88 1.46 0.00	51.86 1.92 0.00	56.32 2.21 0.00	60.77 2.19 0.00	47.20 1.72 0.00	46.36 1.49 0.00	46.61 1.40 0.00	44.42 1.49 0.00	52.92 1.95 0.00	56.83 1.93 0.00	62.19 2.32 0.00	54.76 2.21 0.00	59.41 2.19 0.00	66.53 2.20 0.00	76.81 2.66 0.00	58.69 2.07 0.00	48.58 1.80 0.00	37.36 1.42 0.00	36.97 1.35 0.00	36.41 1.39 0.00
STATE_ST_34_KV_LOAD 55959	33.59 -0.29 0.00	35.20 -0.40 0.00	35.83 -0.30 0.00	35.58 -0.34 0.00	40.15 -0.27 0.00	49.45 -0.51 -0.02	53.69 -0.41 0.00	58.12 -0.46 0.00	44.86 -0.62 0.00	45.19 -0.70 -1.02	44.75 -0.79 -0.34	42.98 -0.64 -0.69	50.37 -0.60 0.00	56.45 -0.58 -2.13	65.57 -0.66 -6.36	55.01 -0.55 -3.01	59.92 -0.71 -3.40	63.79 -0.56 -0.01	73.63 -0.52 0.00	56.28 -0.34 0.00	48.37 -0.40 -1.99	36.04 -0.49 -0.59	35.16 -0.46 0.00	34.54 -0.48 0.00
STATION_5_MISC_HYD 23604	32.41 -1.48 0.00	34.15 -1.46 0.00	34.67 -1.47 0.00	34.33 -1.59 0.00	38.54 -1.88 0.00	46.81 -3.11 0.02	50.55 -3.56 0.00	54.87 -3.71 0.00	42.64 -2.83 0.00	41.16 -2.40 1.31	42.30 -2.47 0.43	39.46 -2.58 0.88	47.88 -3.09 0.00	48.91 -3.26 2.73	47.93 -3.77 8.17	45.34 -3.27 3.94	49.48 -3.34 4.40	60.85 -3.46 0.02	70.38 -3.77 0.00	53.81 -2.81 0.00	41.28 -2.75 2.76	32.83 -2.29 0.81	33.38 -2.24 0.00	32.80 -2.22 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	32.70 -1.18 0.00	34.42 -1.18 0.00	34.97 -1.17 0.00	34.66 -1.26 0.00	38.99 -1.43 0.00	47.68 -2.25 0.01	51.65 -2.46 0.00	56.04 -2.54 0.00	43.43 -2.04 0.00	42.44 -1.79 0.64	43.17 -1.82 0.21	40.64 -1.85 0.44	48.77 -2.20 0.00	51.28 -2.27 1.35	53.18 -2.64 4.04	48.30 -2.28 1.97	52.73 -2.30 2.19	61.93 -2.40 0.01	71.56 -2.59 0.00	54.68 -1.94 0.00	43.45 -1.93 1.41	33.89 -1.63 0.42	33.98 -1.64 0.00	33.38 -1.65 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	32.25 -1.64 0.00	33.98 -1.62 0.00	34.50 -1.64 0.00	34.18 -1.74 0.00	38.37 -2.05 0.00	46.65 -3.27 0.02	50.38 -3.73 0.00	54.69 -3.89 0.00	42.50 -2.98 0.00	41.17 -2.54 1.16	42.21 -2.61 0.39	39.43 -2.71 0.79	47.72 -3.25 0.00	49.04 -3.42 2.43	48.68 -3.92 7.27	45.63 -3.41 3.51	49.80 -3.50 3.92	60.63 -3.69 0.02	70.11 -4.04 0.00	53.61 -3.02 0.00	41.43 -2.89 2.47	32.84 -2.38 0.73	33.28 -2.34 0.00	32.71 -2.32 0.00
STA_56___34_KV_BUS2 355983	32.25 -1.64 0.00	33.98 -1.62 0.00	34.50 -1.64 0.00	34.18 -1.74 0.00	38.37 -2.05 0.00	46.65 -3.27 0.02	50.38 -3.73 0.00	54.69 -3.89 0.00	42.50 -2.98 0.00	41.17 -2.54 1.16	42.21 -2.61 0.39	39.43 -2.71 0.79	47.72 -3.25 0.00	49.04 -3.42 2.43	48.68 -3.92 7.27	45.63 -3.41 3.51	49.80 -3.50 3.92	60.63 -3.69 0.02	70.11 -4.04 0.00	53.61 -3.02 0.00	41.43 -2.89 2.47	32.84 -2.38 0.73	33.28 -2.34 0.00	32.71 -2.32 0.00
STA_67___115KV_BK2 355882	32.34 -1.54 0.00	34.08 -1.52 0.00	34.60 -1.53 0.00	34.27 -1.65 0.00	38.47 -1.96 0.00	46.71 -3.21 0.02	50.41 -3.70 0.00	54.72 -3.86 0.00	42.54 -2.94 0.00	41.06 -2.51 1.30	42.18 -2.59 0.43	39.34 -2.70 0.88	47.72 -3.24 0.00	48.76 -3.42 2.72	47.79 -3.93 8.14	45.20 -3.42 3.93	49.33 -3.50 4.39	60.68 -3.64 0.02	70.17 -3.98 0.00	53.65 -2.97 0.00	41.17 -2.87 2.75	32.75 -2.38 0.81	33.30 -2.32 0.00	32.73 -2.30 0.00
STA_7___115KV_9TRANS 80674	32.54 -1.34 0.00	34.28 -1.32 0.00	34.80 -1.33 0.00	34.46 -1.46 0.00	38.68 -1.74 0.00	47.00 -2.91 0.02	50.79 -3.32 0.00	55.16 -3.42 0.00	42.87 -2.60 0.00	41.40 -2.17 1.31	42.54 -2.23 0.43	39.67 -2.36 0.88	48.13 -2.84 0.00	49.18 -2.98 2.73	48.25 -3.45 8.17	45.61 -3.00 3.94	49.80 -3.02 4.40	61.20 -3.12 0.02	70.82 -3.33 0.00	54.13 -2.49 0.00	41.53 -2.50 2.76	33.02 -2.11 0.81	33.55 -2.07 0.00	32.95 -2.07 0.00
STA_82___115KV_TB1 80780	32.34 -1.54 0.00	34.09 -1.51 0.00	34.62 -1.52 0.00	34.28 -1.63 0.00	38.48 -1.94 0.00	46.72 -3.19 0.02	50.42 -3.69 0.00	54.74 -3.84 0.00	42.54 -2.93 0.00	41.05 -2.50 1.33	42.20 -2.57 0.44	39.34 -2.69 0.90	47.73 -3.24 0.00	48.71 -3.42 2.77	47.66 -3.91 8.29	45.15 -3.41 3.99	49.29 -3.47 4.46	60.68 -3.63 0.02	70.19 -3.96 0.00	53.68 -2.94 0.00	41.15 -2.85 2.78	32.75 -2.36 0.82	33.31 -2.31 0.00	32.74 -2.29 0.00
STEEL___WIND 323596	31.46 -2.42 0.00	33.19 -2.41 0.00	33.72 -2.42 0.00	33.25 -2.67 0.00	37.27 -3.15 0.00	43.49 -5.31 1.14	36.22 -6.23 11.66	52.20 -6.38 0.00	40.68 -4.79 0.00	38.33 -4.21 2.33	40.09 -4.34 0.77	36.73 -4.61 1.58	45.51 -5.46 0.00	44.15 -5.87 4.87	38.52 -6.68 14.67	39.09 -5.97 7.49	42.61 -6.23 8.38	57.76 -6.54 0.04	67.04 -7.11 0.00	51.27 -5.36 0.00	35.82 -5.14 5.83	30.14 -4.13 1.67	31.64 -3.98 0.00	31.17 -3.85 0.00
STEPHTWN_115KV_BK_2 55603	35.21 1.33 0.00	36.93 1.33 0.00	37.51 1.37 0.00	37.34 1.42 0.00	42.02 1.59 0.00	52.15 2.21 0.00	56.61 2.51 0.00	60.99 2.41 0.00	47.40 1.93 0.00	46.60 1.73 0.00	46.78 1.57 0.00	44.49 1.57 0.00	53.16 2.20 0.00	56.96 2.07 0.00	62.20 2.33 0.00	54.86 2.31 0.00	59.71 2.49 0.00	66.89 2.56 0.00	77.21 3.06 0.00	58.96 2.33 0.00	48.75 1.96 0.00	37.49 1.55 0.00	37.17 1.55 0.00	36.58 1.55 0.00
STEUBEN_REC_LFGE 323667	31.76 -2.13 0.00	33.30 -2.30 0.00	33.70 -2.43 0.00	33.23 -2.69 0.00	37.60 -2.82 0.00	48.82 -4.12 -3.00	82.69 -4.51 -33.09	54.67 -3.91 0.00	41.54 -3.93 0.00	29.32 -4.73 10.82	37.18 -4.44 3.60	31.40 -4.18 7.34	46.02 -4.95 0.00	26.36 -5.89 22.65	-13.03 -6.05 66.85	19.16 -4.72 28.68	19.70 -5.42 32.11	58.54 -5.66 0.14	68.69 -5.45 0.00	52.52 -4.10 0.00	26.24 -4.23 16.32	27.35 -3.62 4.98	32.07 -3.55 0.00	31.58 -3.44 0.00
STILLWATER___SOLAR 323814	35.43 1.55 0.00	37.20 1.60 0.00	37.71 1.58 0.00	37.62 1.70 0.00	42.28 1.85 0.00	52.44 2.50 0.00	56.91 2.81 0.00	61.22 2.64 0.00	47.21 1.74 0.00	46.19 1.32 0.00	46.43 1.22 0.00	44.25 1.32 0.00	52.97 2.00 0.00	56.81 1.91 0.00	62.42 2.56 0.00	55.09 2.55 0.00	59.84 2.62 0.00	67.13 2.79 0.00	77.50 3.35 0.00	59.26 2.64 0.00	49.00 2.21 0.00	37.57 1.63 0.00	37.21 1.59 0.00	36.71 1.69 0.00
STONY___BROOK 24151	35.61 1.66 -0.06	37.50 1.63 -0.27	38.03 1.56 -0.33	37.73 1.52 -0.30	42.70 1.86 -0.41	52.68 2.73 -0.01	57.90 3.79 0.00	62.94 4.36 0.00	49.25 3.56 -0.22	48.58 3.16 -0.54	50.35 3.32 -1.83	47.33 3.62 -0.78	53.49 3.48 0.96	58.68 3.78 0.00	63.97 4.11 0.00	58.70 3.80 -2.35	61.73 4.21 -0.30	69.63 4.38 -0.91	79.50 5.04 -0.30	60.46 3.83 0.00	50.28 3.49 0.00	38.54 2.61 0.00	38.10 2.48 0.00	37.25 2.19 -0.03
STURGEON_POOL_HYD 23609	35.47 1.59 0.00	37.23 1.63 0.00	37.82 1.68 0.00	37.57 1.65 0.00	42.38 1.96 0.00	52.49 2.56 0.00	57.17 3.06 0.00	62.09 3.51 0.00	48.43 2.95 0.00	47.67 2.80 0.00	48.05 2.84 0.00	45.83 2.91 0.00	54.23 3.26 0.00	58.06 3.16 0.00	63.06 3.20 0.00	55.53 2.98 0.00	60.48 3.26 0.00	67.88 3.54 0.00	78.29 4.14 0.00	59.79 3.17 0.00	49.46 2.68 0.00	38.15 2.22 0.00	37.79 2.17 0.00	37.01 1.99 0.00



ST_LAW_115_BK7_LBMP 345037	34.03 0.14 0.00	35.71 0.11 0.00	36.15 0.02 0.00	35.91 -0.01 0.00	40.43 0.01 0.00	50.15 0.21 0.00	54.11 0.01 0.00	58.70 0.12 0.00	45.63 0.16 0.00	45.19 0.32 0.00	45.50 0.30 0.00	43.03 0.10 0.00	51.09 0.12 0.00	55.20 0.30 0.00	60.26 0.40 0.00	52.67 0.12 0.00	57.40 0.18 0.00	64.85 0.51 0.00	74.47 0.32 0.00	56.84 0.21 0.00	46.93 0.15 0.00	35.99 0.05 0.00	35.70 0.08 0.00	35.16 0.13 0.00
ST_LAW_115_BK8_LBMP 345038	34.03 0.14 0.00	35.71 0.11 0.00	36.15 0.02 0.00	35.91 -0.01 0.00	40.43 0.01 0.00	50.15 0.21 0.00	54.11 0.01 0.00	58.70 0.12 0.00	45.63 0.16 0.00	45.19 0.32 0.00	45.50 0.30 0.00	43.03 0.10 0.00	51.09 0.12 0.00	55.20 0.30 0.00	60.26 0.40 0.00	52.67 0.12 0.00	57.40 0.18 0.00	64.85 0.51 0.00	74.47 0.32 0.00	56.84 0.21 0.00	46.93 0.15 0.00	35.99 0.05 0.00	35.70 0.08 0.00	35.16 0.13 0.00
ST_LAW_230_BK5_LBMP 345035	33.99 0.11 0.00	35.67 0.07 0.00	36.12 -0.02 0.00	35.88 -0.04 0.00	40.39 -0.03 0.00	50.07 0.13 0.00	54.05 -0.06 0.00	58.64 0.06 0.00	45.57 0.10 0.00	45.13 0.26 0.00	45.46 0.25 0.00	43.00 0.08 0.00	51.05 0.08 0.00	55.14 0.25 0.00	60.16 0.30 0.00	52.61 0.06 0.00	57.33 0.10 0.00	64.73 0.40 0.00	74.36 0.21 0.00	56.94 0.12 -0.20	46.84 0.06 0.00	35.93 -0.01 0.00	35.65 0.03 0.00	35.11 0.08 0.00
ST_LAW_230_BK6_LBMP 345036	33.99 0.11 0.00	35.67 0.07 0.00	36.12 -0.02 0.00	35.88 -0.04 0.00	40.39 -0.03 0.00	50.07 0.13 0.00	54.05 -0.06 0.00	58.64 0.06 0.00	45.57 0.10 0.00	45.13 0.26 0.00	45.46 0.25 0.00	43.00 0.08 0.00	51.05 0.08 0.00	55.14 0.25 0.00	60.16 0.30 0.00	52.61 0.06 0.00	57.33 0.10 0.00	64.73 0.40 0.00	74.36 0.21 0.00	56.94 0.12 -0.20	46.84 0.06 0.00	35.93 -0.01 0.00	35.65 0.03 0.00	35.11 0.08 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	35.64 1.76 0.00	37.38 1.78 0.00	37.92 1.78 0.00	37.65 1.73 0.00	42.50 2.08 0.00	52.71 2.78 0.00	57.46 3.35 0.00	62.39 3.81 0.00	48.66 3.19 0.00	47.90 3.03 0.00	48.41 3.21 0.00	46.20 3.28 0.00	54.62 3.65 0.00	58.48 3.58 0.00	63.52 3.65 0.00	55.91 3.36 0.00	60.92 3.70 0.00	68.41 4.08 0.00	78.88 4.73 0.00	60.21 3.59 0.00	49.74 2.95 0.00	38.41 2.48 0.00	38.06 2.44 0.00	37.26 2.24 0.00
SWANROAD_115KV_TB1 355699	30.87 -3.01 0.00	32.71 -2.89 0.00	33.22 -2.91 0.00	32.86 -3.06 0.00	36.61 -3.81 0.00	42.53 -6.49 0.92	36.73 -7.99 9.39	50.22 -8.36 0.00	39.18 -6.30 0.00	37.30 -5.58 1.99	38.85 -5.70 0.66	35.65 -5.92 1.35	43.83 -7.14 0.00	43.26 -7.46 4.17	38.88 -8.45 12.54	38.68 -7.59 6.28	42.30 -7.89 7.02	55.80 -8.50 0.03	64.71 -9.44 0.00	49.63 -6.99 0.00	35.52 -6.40 4.87	29.43 -5.11 1.40	30.73 -4.89 0.00	30.26 -4.77 0.00
SYNERGY___BIOGAS 323694	32.26 -1.62 0.00	34.09 -1.51 0.00	34.63 -1.50 0.00	34.26 -1.66 0.00	38.35 -2.08 0.00	45.45 -3.83 0.66	42.85 -4.60 6.65	53.90 -4.69 0.00	41.93 -3.54 0.00	40.23 -2.92 1.72	41.66 -2.97 0.57	38.49 -3.26 1.17	47.06 -3.91 0.00	47.18 -4.13 3.59	44.51 -4.58 10.78	43.04 -4.18 5.34	47.03 -4.23 5.97	60.07 -4.24 0.03	69.54 -4.61 0.00	53.21 -3.41 0.00	39.26 -3.47 4.06	31.84 -2.93 1.17	32.79 -2.83 0.00	32.19 -2.84 0.00
SYRACUSE___ENERGY_ST1 323597	33.33 -0.55 0.00	35.03 -0.57 0.00	35.59 -0.54 0.00	35.35 -0.57 0.00	39.84 -0.58 0.00	49.11 -0.84 0.00	53.32 -0.79 0.00	57.73 -0.85 0.00	44.66 -0.82 0.00	44.03 -0.84 0.00	44.41 -0.80 0.00	42.14 -0.78 0.00	50.14 -0.83 0.00	54.04 -0.86 0.00	58.85 -1.01 0.00	51.71 -0.84 0.00	56.33 -0.89 0.00	63.39 -0.94 0.00	73.10 -1.05 0.00	55.85 -0.77 0.00	46.06 -0.72 0.00	35.35 -0.58 0.00	35.00 -0.62 0.00	34.38 -0.65 0.00
SYRACUSE___ENERGY_ST2 323598	33.33 -0.55 0.00	35.03 -0.57 0.00	35.59 -0.54 0.00	35.35 -0.57 0.00	39.84 -0.58 0.00	49.11 -0.84 0.00	53.32 -0.79 0.00	57.73 -0.85 0.00	44.66 -0.82 0.00	44.03 -0.84 0.00	44.41 -0.80 0.00	42.14 -0.78 0.00	50.14 -0.83 0.00	54.04 -0.86 0.00	58.85 -1.01 0.00	51.71 -0.84 0.00	56.33 -0.89 0.00	63.39 -0.94 0.00	73.10 -1.05 0.00	55.85 -0.77 0.00	46.06 -0.72 0.00	35.35 -0.58 0.00	35.00 -0.62 0.00	34.38 -0.65 0.00
SYRACUSE___POWER 24017	33.35 -0.53 0.00	35.08 -0.52 0.00	35.62 -0.52 0.00	35.38 -0.53 0.00	39.87 -0.55 0.00	49.17 -0.78 -0.01	53.37 -0.74 0.00	57.79 -0.79 0.00	44.69 -0.78 0.00	44.63 -0.80 -0.55	44.62 -0.77 -0.18	42.55 -0.75 -0.38	50.15 -0.82 0.00	55.25 -0.81 -1.16	62.39 -0.94 -3.46	53.42 -0.78 -1.65	58.29 -0.80 -1.87	63.47 -0.88 -0.01	73.19 -0.96 0.00	55.89 -0.73 0.00	47.21 -0.68 -1.10	35.74 -0.52 -0.33	35.05 -0.57 0.00	34.41 -0.61 0.00
TALLMAN__138KV_BK151 55660	35.72 1.84 0.00	37.46 1.86 0.00	37.99 1.86 0.00	37.70 1.79 0.00	42.58 2.16 0.00	52.84 2.90 0.00	57.64 3.53 0.00	62.62 4.04 0.00	48.84 3.37 0.00	48.12 3.25 0.00	48.68 3.48 0.00	46.46 3.53 0.00	54.90 3.93 0.00	58.75 3.85 0.00	63.83 3.97 0.00	56.12 3.57 0.00	61.15 3.94 0.00	68.70 4.36 0.00	79.19 5.05 0.00	60.43 3.81 0.00	49.91 3.13 0.00	38.55 2.62 0.00	38.21 2.59 0.00	37.41 2.38 0.00
TEALLAVE_115KV_TB7 355573	33.13 -0.76 0.00	34.85 -0.75 0.00	35.39 -0.74 0.00	35.16 -0.76 0.00	39.60 -0.83 0.00	48.80 -1.14 0.00	52.95 -1.16 0.00	57.34 -1.24 0.00	44.40 -1.07 0.00	43.82 -1.05 0.00	44.19 -1.02 0.00	41.93 -0.99 0.00	49.83 -1.14 0.00	53.71 -1.19 0.00	58.49 -1.38 0.00	51.39 -1.16 0.00	55.98 -1.24 0.00	62.95 -1.39 0.00	72.58 -1.57 0.00	55.44 -1.18 0.00	45.73 -1.05 0.00	35.15 -0.79 0.00	34.80 -0.82 0.00	34.16 -0.86 0.00
TELGRAPH_34_KV_EAST 80808	31.56 -2.32 0.00	33.38 -2.22 0.00	33.91 -2.22 0.00	33.53 -2.39 0.00	37.45 -2.97 0.00	43.97 -5.16 0.81	39.66 -6.27 8.18	52.06 -6.52 0.00	40.58 -4.89 0.00	38.82 -4.22 1.84	40.26 -4.34 0.61	37.09 -4.58 1.25	45.45 -5.52 0.00	45.28 -5.77 3.85	41.78 -6.53 11.55	40.88 -5.91 5.75	44.71 -6.08 6.43	57.91 -6.40 0.03	67.08 -7.07 0.00	51.39 -5.23 0.00	37.41 -4.93 4.45	30.64 -4.03 1.28	31.76 -3.86 0.00	31.22 -3.80 0.00
TEMPLE___115KV_TB 2 55572	33.14 -0.74 0.00	34.86 -0.74 0.00	35.40 -0.73 0.00	35.17 -0.75 0.00	39.60 -0.82 0.00	48.81 -1.13 0.00	52.95 -1.15 0.00	57.36 -1.22 0.00	44.41 -1.07 0.00	43.84 -1.03 0.00	44.21 -1.00 0.00	41.95 -0.97 0.00	49.86 -1.10 0.00	53.74 -1.16 0.00	58.51 -1.35 0.00	51.40 -1.14 0.00	56.02 -1.21 0.00	62.99 -1.35 0.00	72.64 -1.51 0.00	55.46 -1.16 0.00	45.76 -1.03 0.00	35.16 -0.78 0.00	34.81 -0.81 0.00	34.18 -0.84 0.00
TIANA____69_KV_BK 1 55817	35.17 1.74 0.45	35.22 1.69 2.07	35.20 1.62 2.55	35.23 1.59 2.28	39.20 1.95 3.17	52.76 2.90 0.07	58.12 4.01 0.00	63.12 4.55 0.01	47.44 3.64 1.68	43.85 3.15 4.17	34.51 3.30 13.99	42.65 3.63 3.89	49.76 3.57 4.78	58.96 4.07 0.00	64.25 4.39 0.00	58.92 4.03 -2.33	59.26 4.33 2.29	61.55 4.20 6.99	74.08 4.94 5.02	60.54 3.92 0.00	50.39 3.60 0.00	38.41 2.47 0.00	37.79 2.17 0.00	36.62 1.80 0.20



TILDEN___115KV_TB1 80814	33.35 -0.53 0.00	35.08 -0.52 0.00	35.62 -0.52 0.00	35.38 -0.53 0.00	39.87 -0.55 0.00	49.17 -0.78 -0.01	53.37 -0.74 0.00	57.79 -0.79 0.00	44.69 -0.78 0.00	44.63 -0.80 -0.55	44.62 -0.77 -0.18	42.55 -0.75 -0.38	50.15 -0.82 0.00	55.25 -0.81 -1.16	62.39 -0.94 -3.46	53.42 -0.78 -1.65	58.29 -0.80 -1.87	63.47 -0.88 -0.01	73.19 -0.96 0.00	55.89 -0.73 0.00	47.21 -0.68 -1.10	35.74 -0.52 -0.33	35.05 -0.57 0.00	34.41 -0.61 0.00
TRIGEN___CC 323695	35.84 1.96 0.00	37.56 1.96 0.00	38.05 1.92 0.00	37.79 1.87 0.00	42.67 2.25 0.00	53.00 3.06 0.00	57.99 3.88 0.00	62.98 4.40 0.00	49.17 3.69 0.00	48.37 3.50 0.00	48.96 3.75 0.00	47.31 3.96 -0.43	55.05 4.09 0.00	59.10 4.21 0.00	64.28 4.42 0.00	60.72 4.00 -4.17	61.59 4.37 0.00	69.05 4.71 0.00	79.58 5.43 0.00	60.76 4.14 0.00	50.32 3.54 0.00	38.75 2.81 0.00	38.35 2.73 0.00	37.52 2.49 0.00
TRINITY___115KV___4 BK 55933	34.88 1.00 0.00	36.65 1.05 0.00	37.22 1.09 0.00	37.07 1.16 0.00	41.64 1.22 0.00	51.55 1.62 0.00	55.95 1.84 0.00	60.37 1.79 0.00	46.91 1.44 0.00	46.08 1.21 0.00	46.34 1.13 0.00	44.15 1.23 0.00	52.57 1.60 0.00	56.48 1.58 0.00	61.74 1.88 0.00	54.36 1.81 0.00	58.98 1.76 0.00	66.05 1.72 0.00	76.24 2.09 0.00	58.28 1.66 0.00	48.26 1.48 0.00	37.12 1.18 0.00	36.76 1.14 0.00	36.21 1.19 0.00
UNION___PROCESSING_DRP 323587	32.36 -1.52 0.00	34.10 -1.50 0.00	34.62 -1.51 0.00	34.29 -1.63 0.00	38.48 -1.94 0.00	46.72 -3.19 0.02	50.42 -3.68 0.00	54.75 -3.83 0.00	42.56 -2.92 0.00	41.07 -2.48 1.32	42.22 -2.55 0.44	39.36 -2.67 0.89	47.75 -3.22 0.00	48.75 -3.39 2.76	47.72 -3.91 8.24	45.19 -3.39 3.97	49.32 -3.47 4.43	60.69 -3.63 0.02	70.19 -3.96 0.00	53.70 -2.92 0.00	41.17 -2.85 2.77	32.77 -2.36 0.82	33.32 -2.30 0.00	32.74 -2.28 0.00
UPPER HUDSON___HYD 24058	35.34 1.46 0.00	37.10 1.50 0.00	37.49 1.36 0.00	37.51 1.59 0.00	42.13 1.71 0.00	52.38 2.45 0.00	56.79 2.69 0.00	60.93 2.35 0.00	46.83 1.35 0.00	45.66 0.79 0.00	45.94 0.73 0.00	43.83 0.91 0.00	52.61 1.64 0.00	56.34 1.44 0.00	61.98 2.11 0.00	54.79 2.24 0.00	59.57 2.35 0.00	66.94 2.60 0.00	77.35 3.20 0.00	59.14 2.52 0.00	48.90 2.12 0.00	37.41 1.46 0.00	37.04 1.42 0.00	36.59 1.56 0.00
UPPER RAQUET___HYD 24056	34.63 0.75 0.00	36.31 0.71 0.00	36.71 0.57 0.00	36.48 0.56 0.00	41.12 0.70 0.00	50.96 1.02 0.00	54.80 0.69 0.00	59.41 0.83 0.00	46.14 0.67 0.00	46.03 1.16 0.00	48.70 3.49 0.00	45.42 2.50 0.00	53.74 2.77 0.00	56.20 1.31 0.00	61.45 1.59 0.00	53.51 0.96 0.00	58.43 1.21 0.00	65.90 1.56 0.00	75.52 1.38 0.00	55.27 0.92 2.27	47.54 0.75 0.00	36.45 0.51 0.00	36.25 0.63 0.00	35.69 0.66 0.00
VALLEY44_115KV_TB2 355964	32.06 -1.82 0.00	33.78 -1.82 0.00	34.29 -1.85 0.00	33.83 -2.08 0.00	38.33 -2.09 0.00	46.06 -3.51 0.38	46.74 -3.97 3.40	54.64 -3.94 0.00	42.50 -2.98 0.00	39.20 -2.74 2.93	41.28 -2.95 0.97	38.25 -3.22 1.46	47.25 -3.72 0.00	44.45 -4.31 6.14	36.34 -4.85 18.67	37.73 -4.52 10.30	41.24 -4.46 11.52	59.50 -4.78 0.05	69.25 -4.90 0.00	52.99 -3.63 0.00	36.32 -3.72 6.75	30.94 -2.97 2.03	32.89 -2.74 0.00	32.39 -2.64 0.00
VALLEY___115KV_TB 1-4 80826	35.34 1.45 0.00	37.15 1.56 0.00	37.73 1.60 0.00	37.53 1.61 0.00	42.26 1.84 0.00	52.26 2.32 0.00	56.73 2.62 0.00	60.98 2.40 0.00	46.55 1.07 0.00	45.70 0.83 0.00	46.12 0.91 0.00	44.02 1.10 0.00	52.32 1.35 0.00	56.39 1.49 0.00	62.02 2.15 0.00	54.60 2.05 0.00	59.86 2.64 0.00	66.69 2.35 0.00	76.86 2.71 0.00	58.63 2.01 0.00	48.55 1.76 0.00	37.41 1.47 0.00	37.00 1.38 0.00	36.41 1.38 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	35.28 1.40 0.00	37.12 1.52 0.00	37.77 1.63 0.00	37.52 1.60 0.00	42.27 1.85 0.00	52.24 2.30 0.00	56.79 2.68 0.00	61.43 2.84 0.00	47.61 2.14 0.00	46.84 1.97 0.00	47.09 1.88 0.00	44.78 1.86 0.00	53.14 2.17 0.00	57.12 2.22 0.00	62.18 2.31 0.00	54.65 2.11 0.00	59.78 2.56 0.00	67.04 2.70 0.00	77.40 3.24 0.00	59.04 2.42 0.00	48.84 2.06 0.00	37.59 1.65 0.00	37.16 1.54 0.00	36.47 1.45 0.00
VISCHER___FERRY HYD 24020	35.12 1.24 0.00	36.89 1.29 0.00	37.42 1.29 0.00	37.31 1.39 0.00	41.88 1.46 0.00	51.92 1.98 0.00	56.35 2.24 0.00	60.66 2.09 0.00	47.02 1.55 0.00	46.11 1.24 0.00	46.33 1.12 0.00	44.15 1.23 0.00	52.66 1.69 0.00	56.64 1.74 0.00	62.02 2.16 0.00	54.63 2.08 0.00	59.25 2.03 0.00	66.32 1.98 0.00	76.63 2.48 0.00	58.61 1.99 0.00	48.52 1.74 0.00	37.23 1.29 0.00	36.91 1.29 0.00	36.44 1.42 0.00
V_A_10_SYNC_DSASP 323832	31.55 -2.33 0.00	33.31 -2.29 0.00	33.83 -2.31 0.00	33.44 -2.48 0.00	37.47 -2.95 0.00	44.46 -4.87 0.61	42.21 -5.79 6.10	52.52 -6.06 0.00	40.89 -4.58 0.00	39.18 -4.06 1.64	40.48 -4.19 0.54	37.46 -4.35 1.11	45.72 -5.25 0.00	45.90 -5.57 3.42	43.25 -6.35 10.27	41.87 -5.61 5.07	45.76 -5.79 5.67	58.09 -6.22 0.03	67.33 -6.82 0.00	51.58 -5.04 0.00	38.28 -4.70 3.81	31.05 -3.79 1.10	32.00 -3.62 0.00	31.50 -3.53 0.00
V_CMM_10_SYNC_DSASP 323787	34.19 0.31 0.00	35.89 0.29 0.00	36.33 0.19 0.00	36.09 0.17 0.00	40.64 0.22 0.00	50.40 0.46 0.00	54.39 0.28 0.00	59.00 0.42 0.00	45.85 0.38 0.00	45.42 0.55 0.00	45.73 0.52 0.00	43.24 0.32 0.00	51.35 0.37 0.00	55.38 0.48 0.00	60.58 0.71 0.00	52.89 0.34 0.00	57.67 0.45 0.00	65.19 0.85 0.00	74.82 0.67 0.00	57.09 0.47 0.00	47.17 0.38 0.00	36.18 0.24 0.00	35.89 0.27 0.00	35.35 0.32 0.00
V_CMP_10_SYNC_DSASP 323788	34.24 0.35 0.00	35.89 0.29 0.00	36.06 -0.07 0.00	35.78 -0.14 0.00	40.27 -0.15 0.00	49.92 -0.02 0.00	53.30 -0.81 0.00	57.62 -0.95 0.00	44.76 -0.71 0.00	44.57 -0.30 0.00	45.28 0.07 0.00	42.75 -0.17 0.00	50.63 -0.34 0.00	55.10 0.20 0.00	59.78 -0.08 0.00	51.80 -0.75 0.00	56.12 -1.11 0.00	63.70 -0.63 0.00	72.55 -1.61 0.00	41.41 -1.47 13.74	45.63 -1.16 0.00	35.04 -0.90 0.00	34.90 -0.72 0.00	34.43 -0.60 0.00
V_D_10_SYNC_DSASP 323841	34.50 0.61 0.00	36.20 0.60 0.00	36.64 0.51 0.00	36.40 0.48 0.00	41.00 0.58 0.00	50.84 0.90 0.00	54.84 0.73 0.00	59.47 0.89 0.00	46.22 0.75 0.00	45.78 0.91 0.00	46.04 0.83 0.00	43.49 0.56 0.00	51.71 0.74 0.00	55.81 0.91 0.00	61.14 1.28 0.00	53.34 0.79 0.00	58.21 0.99 0.00	65.77 1.44 0.00	75.47 1.32 0.00	57.18 0.94 0.38	47.59 0.80 0.00	36.47 0.53 0.00	36.19 0.57 0.00	35.65 0.62 0.00
V_E_10_SYNC_DSASP 323830	34.82 0.94 0.00	36.71 1.11 0.00	37.26 1.13 0.00	36.94 1.02 0.00	41.65 1.22 0.00	52.02 1.70 -0.38	59.83 2.25 -3.47	61.34 2.76 0.00	46.74 1.27 0.00	48.37 0.72 -2.78	46.66 0.53 -0.93	45.33 0.52 -1.89	51.87 0.90 0.00	62.25 1.53 -5.82	79.49 2.23 -17.40	62.64 1.68 -8.41	68.93 1.96 -9.75	66.08 1.70 -0.04	76.61 2.46 0.00	58.09 1.47 0.00	53.92 1.16 -5.97	38.60 0.92 -1.75	36.14 0.52 0.00	35.50 0.48 0.00



V_F_30_NSYNC___DSASP 323816	35.45 1.57 0.00	37.23 1.63 0.00	37.75 1.62 0.00	37.64 1.72 0.00	42.31 1.89 0.00	52.48 2.54 0.00	56.98 2.87 0.00	61.29 2.71 0.00	47.28 1.80 0.00	46.27 1.40 0.00	46.53 1.33 0.00	44.33 1.41 0.00	53.05 2.08 0.00	56.90 2.00 0.00	62.50 2.63 0.00	55.15 2.60 0.00	59.93 2.70 0.00	67.20 2.87 0.00	77.57 3.42 0.00	59.32 2.70 0.00	49.05 2.26 0.00	37.61 1.67 0.00	37.25 1.63 0.00	36.73 1.71 0.00
V_F_30_SYNC_DSASP 323786	35.08 1.20 0.00	36.86 1.26 0.00	37.43 1.30 0.00	37.27 1.36 0.00	41.88 1.46 0.00	51.85 1.91 0.00	56.31 2.20 0.00	60.76 2.19 0.00	47.19 1.72 0.00	46.35 1.48 0.00	46.60 1.39 0.00	44.40 1.48 0.00	52.92 1.95 0.00	56.81 1.92 0.00	62.17 2.31 0.00	54.75 2.20 0.00	59.40 2.18 0.00	66.52 2.19 0.00	76.78 2.63 0.00	58.67 2.05 0.00	48.57 1.79 0.00	37.35 1.41 0.00	36.97 1.35 0.00	36.40 1.37 0.00
V_XM_10_SYNC_DSASP 323789	34.24 0.35 0.00	35.89 0.29 0.00	36.06 -0.07 0.00	35.78 -0.14 0.00	40.27 -0.15 0.00	49.92 -0.02 0.00	53.30 -0.81 0.00	57.62 -0.95 0.00	44.76 -0.71 0.00	44.57 -0.30 0.00	45.28 0.07 0.00	42.75 -0.17 0.00	50.63 -0.34 0.00	55.10 0.20 0.00	59.78 -0.08 0.00	51.80 -0.75 0.00	56.12 -1.11 0.00	63.70 -0.63 0.00	72.55 -1.61 0.00	41.41 -1.47 13.74	45.63 -1.16 0.00	35.04 -0.90 0.00	34.90 -0.72 0.00	34.43 -0.60 0.00
W.BABYLN_69_KV_BK1 56697	36.00 2.11 0.00	37.67 2.07 0.00	38.15 2.02 0.00	37.89 1.97 0.00	42.82 2.40 0.00	53.33 3.39 0.00	58.60 4.49 0.00	63.70 5.12 0.00	49.65 4.17 0.00	48.71 3.84 0.00	49.19 3.99 0.00	47.49 4.30 -0.27	55.28 4.42 0.10	59.49 4.59 0.00	64.84 4.97 0.00	59.75 4.53 -2.67	62.20 4.97 0.00	69.61 5.28 0.00	80.14 6.11 0.12	61.40 4.78 0.00	50.98 4.19 0.00	39.10 3.16 0.00	38.65 3.03 0.00	37.76 2.73 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	35.88 1.99 0.00	37.63 2.03 0.00	38.16 2.02 0.00	37.88 1.96 0.00	42.77 2.35 0.00	53.07 3.13 0.00	57.92 3.81 0.00	62.92 4.35 0.00	49.11 3.63 0.00	48.37 3.50 0.00	48.93 3.72 0.00	46.70 3.78 0.00	55.19 4.22 0.00	59.04 4.14 0.00	64.15 4.29 0.00	56.43 3.88 0.00	61.48 4.27 0.00	69.06 4.72 0.00	79.62 5.47 0.00	60.77 4.15 0.00	50.19 3.40 0.00	38.74 2.81 0.00	38.39 2.78 0.00	37.57 2.54 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	35.98 2.10 0.00	37.71 2.11 0.00	38.23 2.09 0.00	37.94 2.02 0.00	42.87 2.44 0.00	53.21 3.28 0.00	58.12 4.01 0.00	63.08 4.50 0.00	49.41 3.93 0.00	48.73 3.85 0.00	49.30 4.09 0.00	47.06 4.14 0.00	55.46 4.49 0.00	59.23 4.33 0.00	64.32 4.45 0.00	56.55 4.00 0.00	61.70 4.48 0.00	69.22 4.88 0.00	79.82 5.67 0.00	60.94 4.32 0.00	50.34 3.56 0.00	38.93 2.99 0.00	38.58 2.96 0.00	37.73 2.71 0.00
W50THST__13_KV_LOAD 356117	36.18 2.29 0.00	37.89 2.29 0.00	38.41 2.27 0.00	38.12 2.20 0.00	43.07 2.65 0.00	53.48 3.54 0.00	58.43 4.33 0.00	63.41 4.83 0.00	49.71 4.23 0.00	49.05 4.18 0.00	49.64 4.43 0.00	47.39 4.47 0.00	55.86 4.89 0.00	59.61 4.72 0.00	64.71 4.84 0.00	56.88 4.33 0.00	62.09 4.87 0.00	69.62 5.28 0.00	80.25 6.10 0.00	61.24 4.62 0.00	50.60 3.81 0.00	39.15 3.22 0.00	38.79 3.17 0.00	37.93 2.90 0.00
WADING RIVER_IC_1 23522	34.83 1.24 0.28	35.44 1.15 1.31	35.59 1.08 1.62	35.52 1.05 1.45	39.75 1.33 2.01	52.01 2.11 0.05	57.27 3.16 0.00	62.22 3.65 0.00	47.40 2.99 1.06	44.79 2.56 2.64	39.04 2.69 8.86	43.58 3.03 2.38	50.28 2.80 3.49	58.06 3.16 0.00	63.27 3.40 0.00	58.04 3.16 -2.33	59.23 3.46 1.45	63.34 3.43 4.42	74.89 3.98 3.25	59.69 3.07 0.00	49.82 3.04 0.00	38.13 2.19 0.00	37.64 2.02 0.00	36.59 1.70 0.13
WADING RIVER_IC_2 23547	34.83 1.24 0.28	35.44 1.15 1.31	35.59 1.08 1.62	35.52 1.05 1.45	39.75 1.33 2.01	52.01 2.11 0.05	57.27 3.16 0.00	62.22 3.65 0.00	47.40 2.99 1.06	44.79 2.56 2.64	39.04 2.69 8.86	43.58 3.03 2.38	50.28 2.80 3.49	58.06 3.16 0.00	63.27 3.40 0.00	58.04 3.16 -2.33	59.23 3.46 1.45	63.34 3.43 4.42	74.89 3.98 3.25	59.69 3.07 0.00	49.82 3.04 0.00	38.13 2.19 0.00	37.64 2.02 0.00	36.59 1.70 0.13
WADING RIVER_IC_3 23601	34.83 1.24 0.28	35.44 1.15 1.31	35.59 1.08 1.62	35.52 1.05 1.45	39.75 1.33 2.01	52.01 2.11 0.05	57.27 3.16 0.00	62.22 3.65 0.00	47.40 2.99 1.06	44.79 2.56 2.64	39.04 2.69 8.86	43.58 3.03 2.38	50.28 2.80 3.49	58.06 3.16 0.00	63.27 3.40 0.00	58.04 3.16 -2.33	59.23 3.46 1.45	63.34 3.43 4.42	74.89 3.98 3.25	59.69 3.07 0.00	49.82 3.04 0.00	38.13 2.19 0.00	37.64 2.02 0.00	36.59 1.70 0.13
WALDENNY_12_KV_BK2 80841	31.51 -2.37 0.00	33.27 -2.33 0.00	33.80 -2.34 0.00	33.35 -2.57 0.00	37.38 -3.04 0.00	43.60 -5.22 1.12	36.49 -6.22 11.39	52.25 -6.33 0.00	40.74 -4.73 0.00	38.46 -4.12 2.29	40.21 -4.23 0.76	36.84 -4.53 1.56	45.55 -5.42 0.00	44.34 -5.76 4.80	38.90 -6.52 14.45	39.26 -5.92 7.37	42.94 -6.04 8.24	57.85 -6.45 0.04	67.14 -7.01 0.00	51.36 -5.26 0.00	36.01 -5.05 5.73	30.22 -4.08 1.64	31.68 -3.94 0.00	31.22 -3.81 0.00
WALDEN__HYDRO 24148	35.77 1.89 0.00	37.52 1.92 0.00	38.07 1.94 0.00	37.80 1.89 0.00	42.67 2.25 0.00	52.93 2.99 0.00	57.72 3.62 0.00	62.68 4.10 0.00	48.89 3.41 0.00	48.10 3.23 0.00	48.54 3.34 0.00	46.35 3.42 0.00	54.82 3.85 0.00	58.67 3.77 0.00	63.68 3.81 0.00	56.10 3.55 0.00	61.17 3.95 0.00	68.70 4.36 0.00	79.24 5.09 0.00	60.49 3.87 0.00	49.97 3.18 0.00	38.58 2.64 0.00	38.21 2.59 0.00	37.41 2.38 0.00
WARRENSBURG____ 23737	35.34 1.46 0.00	37.10 1.50 0.00	37.49 1.36 0.00	37.51 1.59 0.00	42.14 1.71 0.00	52.38 2.45 0.00	56.80 2.69 0.00	60.93 2.35 0.00	46.83 1.35 0.00	45.66 0.79 0.00	45.94 0.73 0.00	43.83 0.91 0.00	52.62 1.65 0.00	56.34 1.44 0.00	61.97 2.11 0.00	54.79 2.24 0.00	59.58 2.36 0.00	66.95 2.61 0.00	77.37 3.21 0.00	59.14 2.52 0.00	48.90 2.12 0.00	37.40 1.46 0.00	37.04 1.42 0.00	36.59 1.56 0.00
WATERSIDE____6 8 9 23538	35.85 1.97 0.00	37.58 1.98 0.00	38.05 1.92 0.00	37.77 1.85 0.00	42.79 2.37 0.00	53.17 3.23 0.00	58.02 3.91 0.00	62.94 4.36 0.00	49.35 3.88 0.00	48.66 3.79 0.00	49.23 4.02 0.00	47.02 4.10 0.00	55.36 4.39 0.00	59.08 4.19 0.00	64.17 4.30 0.00	56.44 3.89 0.00	61.56 4.34 0.00	69.02 4.68 0.00	79.55 5.40 0.00	60.78 4.16 0.00	50.30 3.52 0.00	38.94 3.00 0.00	38.55 2.94 0.00	37.73 2.70 0.00
WATKINRD_115KV_LN8_ILLION 55919	34.92 1.04 0.00	36.71 1.11 0.00	37.27 1.14 0.00	37.07 1.15 0.00	41.75 1.33 0.00	51.60 1.66 0.00	56.02 1.91 0.00	60.33 1.75 0.00	46.28 0.81 0.00	45.49 0.62 0.00	45.86 0.66 0.00	43.73 0.80 0.00	51.99 1.02 0.00	55.98 1.08 0.00	61.42 1.56 0.00	54.07 1.52 0.00	59.13 1.92 0.00	66.07 1.74 0.00	76.17 2.02 0.00	58.13 1.51 0.00	48.11 1.32 0.00	37.04 1.10 0.00	36.64 1.02 0.00	36.03 1.01 0.00



WDELAWARE___HYD 323627	35.21 1.33 0.00	36.95 1.34 0.00	37.52 1.39 0.00	37.26 1.34 0.00	42.06 1.64 0.00	52.17 2.23 0.00	56.91 2.81 0.00	61.88 3.30 0.00	48.17 2.70 0.00	47.33 2.46 0.00	47.58 2.37 0.00	45.39 2.46 0.00	53.58 2.61 0.00	56.19 1.30 0.00	61.12 1.25 0.00	53.87 1.32 0.00	58.80 1.58 0.00	66.05 1.71 0.00	76.17 2.02 0.00	58.10 1.48 0.00	48.19 1.40 0.00	37.96 2.02 0.00	37.57 1.95 0.00	36.76 1.74 0.00
WEST BABYLON___IC 23714	36.00 2.11 0.00	37.67 2.07 0.00	38.15 2.02 0.00	37.89 1.97 0.00	42.82 2.40 0.00	53.33 3.39 0.00	58.60 4.49 0.00	63.70 5.12 0.00	49.65 4.17 0.00	48.71 3.84 0.00	49.19 3.99 0.00	47.49 4.30 -0.27	55.28 4.42 0.10	59.49 4.59 0.00	64.84 4.97 0.00	59.75 4.53 -2.67	62.20 4.97 0.00	69.61 5.28 0.00	80.14 6.11 0.12	61.40 4.78 0.00	50.98 4.19 0.00	39.10 3.16 0.00	38.65 3.03 0.00	37.76 2.73 0.00
WEST CANADA___HYD 24049	34.02 0.14 0.00	35.74 0.14 0.00	36.30 0.16 0.00	36.09 0.17 0.00	40.62 0.20 0.00	50.16 0.22 0.00	54.41 0.30 0.00	58.85 0.27 0.00	45.65 0.18 0.00	45.01 0.14 0.00	45.34 0.13 0.00	43.11 0.18 0.00	51.16 0.20 0.00	55.09 0.19 0.00	60.10 0.23 0.00	52.80 0.25 0.00	57.52 0.30 0.00	64.56 0.23 0.00	74.45 0.30 0.00	56.86 0.24 0.00	47.02 0.23 0.00	36.13 0.19 0.00	35.80 0.18 0.00	35.19 0.16 0.00
WESTERN_NY_WIND 24143	32.20 -1.68 0.00	34.04 -1.56 0.00	34.58 -1.55 0.00	34.19 -1.73 0.00	38.28 -2.14 0.00	45.29 -3.94 0.70	42.26 -4.72 7.13	53.75 -4.83 0.00	41.84 -3.64 0.00	40.09 -3.02 1.76	41.55 -3.08 0.58	38.37 -3.36 1.19	46.95 -4.02 0.00	46.98 -4.24 3.67	44.11 -4.73 11.02	42.78 -4.30 5.47	46.73 -4.38 6.11	59.91 -4.40 0.03	69.35 -4.80 0.00	53.08 -3.55 0.00	39.02 -3.58 4.19	31.71 -3.02 1.20	32.71 -2.91 0.00	32.12 -2.91 0.00
WESTOVER___LESR 323668	33.76 -0.12 0.00	35.50 -0.10 0.00	36.08 -0.05 0.00	35.78 -0.14 0.00	40.46 0.04 0.00	49.99 -0.19 -0.24	56.68 -0.11 -2.69	58.50 -0.08 0.00	45.19 -0.28 0.00	43.65 -0.42 0.80	44.50 -0.44 0.27	41.91 -0.48 0.54	50.57 -0.40 1.68	52.66 -0.56 4.96	54.22 -0.68 4.96	49.90 -0.47 2.18	54.48 -0.38 2.36	63.90 -0.42 0.01	73.88 -0.27 0.00	56.45 -0.17 0.00	45.46 -0.28 1.04	35.47 -0.15 0.32	35.45 -0.17 0.00	34.82 -0.20 0.00
WETHRSFD_WT_PWR 323626	31.09 -2.79 0.00	32.74 -2.86 0.00	33.30 -2.84 0.00	32.82 -3.10 0.00	36.88 -3.54 0.00	39.64 -5.53 4.77	-9.34 -6.20 57.25	6.81 -5.40 46.37	3.54 -5.14 36.80	6.53 -5.85 32.50	-10.11 -5.48 49.84	-11.81 -5.32 49.41	-18.78 -5.95 63.80	-12.42 -7.15 60.17	-13.70 -7.82 65.74	-13.23 -6.25 59.52	-10.60 -7.08 60.74	-10.55 -7.47 67.42	48.39 -7.51 18.25	5.03 -5.73 45.85	5.19 -5.61 35.99	29.02 -4.54 2.38	31.26 -4.36 0.00	30.84 -4.19 0.00
WHAVSTOR_138KV_BK127 55557	35.70 1.82 0.00	37.44 1.84 0.00	37.96 1.82 0.00	37.68 1.77 0.00	42.55 2.13 0.00	52.80 2.86 0.00	57.59 3.49 0.00	62.54 3.96 0.00	48.81 3.34 0.00	48.09 3.22 0.00	48.64 3.43 0.00	46.41 3.49 0.00	54.82 3.85 0.00	58.66 3.76 0.00	63.75 3.88 0.00	56.06 3.51 0.00	61.09 3.87 0.00	68.59 4.25 0.00	79.09 4.94 0.00	60.36 3.74 0.00	49.86 3.07 0.00	38.52 2.58 0.00	38.18 2.56 0.00	37.37 2.35 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	35.70 1.82 0.00	37.44 1.84 0.00	37.96 1.82 0.00	37.68 1.77 0.00	42.55 2.13 0.00	52.80 2.86 0.00	57.59 3.49 0.00	62.54 3.96 0.00	48.81 3.34 0.00	48.09 3.22 0.00	48.64 3.43 0.00	46.41 3.49 0.00	54.82 3.85 0.00	58.66 3.76 0.00	63.75 3.88 0.00	56.06 3.51 0.00	61.09 3.87 0.00	68.59 4.25 0.00	79.09 4.94 0.00	60.36 3.74 0.00	49.86 3.07 0.00	38.52 2.58 0.00	38.18 2.56 0.00	37.37 2.35 0.00
WHITEHAL_115KV_TB1 80871	36.50 2.61 0.00	38.29 2.69 0.00	38.42 2.29 0.00	38.63 2.71 0.00	43.27 2.84 0.00	54.08 4.14 0.00	58.71 4.60 0.00	62.44 3.86 0.00	47.74 2.27 0.00	46.18 1.31 0.00	46.36 1.16 0.00	44.44 1.52 0.00	53.92 2.95 0.00	57.68 2.78 0.00	63.48 3.61 0.00	56.06 3.51 0.00	60.97 3.75 0.00	68.77 4.43 0.00	79.71 5.56 0.00	61.09 4.47 0.00	50.17 3.39 0.00	38.16 2.22 0.00	37.70 2.08 0.00	37.48 2.46 0.00
WHITEPLN_13_KV_LOAD 356215	36.05 2.17 0.00	37.80 2.20 0.00	38.32 2.18 0.00	38.04 2.12 0.00	42.95 2.53 0.00	53.31 3.37 0.00	58.22 4.12 0.00	63.23 4.65 0.00	49.41 3.93 0.00	48.67 3.80 0.00	49.22 4.01 0.00	47.00 4.07 0.00	55.47 4.50 0.00	59.37 4.47 0.00	64.50 4.63 0.00	56.72 4.17 0.00	61.84 4.62 0.00	69.47 5.13 0.00	80.07 5.92 0.00	61.11 4.49 0.00	50.46 3.68 0.00	38.97 3.03 0.00	38.58 2.96 0.00	37.73 2.70 0.00
WM_FLOYD_69_KV_BK2 356380	34.66 1.56 0.78	33.49 1.50 3.61	33.11 1.43 4.45	33.32 1.39 3.98	36.62 1.73 5.53	52.41 2.60 0.13	57.79 3.69 0.00	62.80 4.23 0.01	45.96 3.41 2.92	40.60 3.00 7.27	23.92 3.13 24.42	39.38 3.43 6.97	46.86 3.28 7.38	58.55 3.65 0.00	63.83 3.96 0.00	58.56 3.67 -2.34	57.24 4.02 3.99	56.23 4.09 12.19	70.29 4.75 8.61	60.25 3.63 0.00	50.19 3.41 0.00	38.44 2.50 0.00	37.97 2.35 0.00	36.71 2.05 0.36
WOODARD__115KV_TB2 355635	33.10 -0.78 0.00	34.81 -0.79 0.00	35.35 -0.79 0.00	35.12 -0.80 0.00	39.55 -0.87 0.00	48.74 -1.20 0.00	52.89 -1.22 0.00	57.27 -1.31 0.00	44.36 -1.11 0.00	43.77 -1.10 0.00	44.14 -1.06 0.00	41.88 -1.04 0.00	49.78 -1.19 0.00	53.66 -1.24 0.00	58.42 -1.44 0.00	51.34 -1.21 0.00	55.93 -1.29 0.00	62.89 -1.44 0.00	72.54 -1.61 0.00	55.39 -1.23 0.00	45.71 -1.08 0.00	35.11 -0.83 0.00	34.76 -0.86 0.00	34.14 -0.89 0.00
WOODMERE_69_KV_BK1 55827	36.17 2.29 0.00	37.90 2.30 0.00	38.40 2.26 0.00	38.12 2.20 0.00	43.04 2.62 0.00	53.44 3.50 0.00	58.48 4.37 0.00	63.51 4.93 0.00	49.57 4.10 0.00	48.77 3.90 0.00	49.40 4.19 0.00	47.72 4.41 -0.39	55.51 4.54 0.00	59.68 4.78 0.00	64.90 5.03 0.00	60.89 4.53 -3.81	62.18 4.96 0.00	69.75 5.41 0.00	80.40 6.25 0.00	61.34 4.71 0.00	50.80 4.01 0.00	39.10 3.17 0.00	38.69 3.08 0.00	37.84 2.82 0.00
YORK___WARBASSE 23770	35.92 2.04 0.00	37.66 2.06 0.00	38.13 2.00 0.00	37.84 1.93 0.00	42.87 2.46 0.00	53.26 3.32 0.00	58.16 4.05 0.00	63.12 4.55 0.00	49.53 4.06 0.00	48.77 3.90 0.00	49.33 4.12 0.00	47.15 4.23 0.00	55.47 4.50 0.00	59.25 4.35 0.00	64.36 4.50 0.00	56.59 4.04 0.00	61.73 4.50 0.00	69.26 4.93 0.00	79.79 5.63 0.00	60.98 4.36 0.00	50.55 3.77 0.00	39.11 3.17 0.00	38.70 3.09 0.00	37.86 2.84 0.00