

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

03/12/2025

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	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	33.75	34.96	34.52	32.77	33.78	33.85	47.11	91.43	44.77	34.54	34.65	33.03	34.12	34.92	35.17	43.04	45.51	45.31	47.16	74.17	61.65	52.75	45.02	39.46
24138	1.13	0.97	0.77	0.72	0.71	0.64	1.39	2.95	1.39	1.28	1.36	1.36	1.54	1.60	1.75	1.96	1.93	1.88	2.00	3.25	2.56	2.07	1.70	1.32
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.27	-1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	33.88	35.09	34.67	32.90	33.91	33.97	47.26	91.64	44.88	34.60	34.67	33.03	34.11	35.06	36.29	43.04	45.55	45.37	47.28	74.38	61.90	52.96	45.19	39.64
24260	1.25	1.10	0.92	0.86	0.85	0.76	1.54	3.16	1.49	1.34	1.38	1.36	1.53	1.59	1.72	1.97	1.97	1.94	2.12	3.46	2.81	2.28	1.86	1.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.44	-3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	33.88	35.09	34.67	32.90	33.91	33.97	47.26	91.64	44.88	34.60	34.67	33.03	34.11	35.06	36.29	43.04	45.55	45.37	47.28	74.38	61.90	52.96	45.19	39.64
24261	1.25	1.10	0.92	0.86	0.85	0.76	1.54	3.16	1.49	1.34	1.38	1.36	1.53	1.59	1.72	1.97	1.97	1.94	2.12	3.46	2.81	2.28	1.86	1.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.44	-3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	33.85	35.20	34.84	33.12	34.28	34.52	47.91	92.37	45.03	34.15	34.00	32.36	33.36	33.67	32.62	42.73	45.82	45.74	47.69	74.95	62.62	53.67	45.71	40.15
24011	1.22	1.21	1.09	1.08	1.21	1.31	2.19	3.89	1.65	0.89	0.71	0.70	0.78	0.63	1.07	1.66	2.24	2.32	2.54	4.02	3.53	2.99	2.38	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 RESOURCE___RCVRY	33.91	35.22	34.88	33.16	34.31	34.60	48.09	92.61	45.15	34.15	33.95	32.34	33.33	33.61	32.69	42.90	46.03	45.90	47.89	75.26	62.97	53.98	45.95	40.27
23798	1.28	1.23	1.13	1.12	1.25	1.39	2.37	4.12	1.77	0.89	0.66	0.67	0.74	0.57	1.14	1.82	2.45	2.47	2.73	4.33	3.88	3.30	2.62	2.14
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	33.85	35.20	34.84	33.12	34.28	34.52	47.91	92.37	45.03	34.15	34.00	32.36	33.36	33.67	32.62	42.73	45.82	45.74	47.69	74.95	62.62	53.67	45.71	40.15
24028	1.22	1.21	1.09	1.08	1.21	1.31	2.19	3.89	1.65	0.89	0.71	0.70	0.78	0.63	1.07	1.66	2.24	2.32	2.54	4.02	3.53	2.99	2.38	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_NYS___DAM	33.55	34.88	34.38	32.68	33.91	33.92	46.79	90.00	44.17	33.71	33.89	32.13	33.00	33.28	32.01	41.84	44.66	44.63	46.45	72.93	61.02	52.46	44.87	39.68
23527	0.92	0.89	0.63	0.64	0.85	0.71	1.06	1.52	0.79	0.45	0.60	0.47	0.43	0.24	0.46	0.76	1.08	1.20	1.29	2.00	1.93	1.78	1.55	1.54
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	33.41	34.74	34.36	32.65	33.73	33.83	46.71	90.22	44.22	33.84	33.90	32.16	33.04	33.37	31.95	41.65	44.31	44.21	46.01	72.22	60.25	51.70	44.17	38.96
24190	0.78	0.75	0.61	0.61	0.67	0.62	0.99	1.74	0.84	0.59	0.61	0.49	0.46	0.33	0.40	0.58	0.73	0.78	0.85	1.30	1.16	1.02	0.84	0.82
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	33.30	34.73	34.64	32.81	33.84	34.02	46.64	90.54	44.63	34.30	34.31	32.64	33.57	34.04	32.15	41.84	44.57	44.42	46.15	72.40	60.44	51.91	44.41	39.15
355683	0.67	0.74	0.89	0.77	0.77	0.81	0.92	2.06	1.24	1.04	1.02	0.97	0.98	1.00	0.60	0.77	0.99	0.99	0.99	1.47	1.36	1.23	1.08	1.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	33.68	35.04	34.71	32.97	34.08	34.20	47.23	91.18	44.54	33.81	33.76	31.99	32.86	33.11	31.49	41.36	43.96	43.74	45.50	71.49	59.56	51.11	43.67	38.52
323833	1.05	1.05	0.96	0.93	1.01	0.99	1.51	2.70	1.15	0.55	0.47	0.32	0.27	0.07	-0.05	0.29	0.39	0.32	0.34	0.56	0.47	0.43	0.34	0.38
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	33.67	35.04	34.70	32.97	34.07	34.19	47.20	91.15	44.53	33.80	33.76	31.98	32.86	33.10	31.49	41.36	43.95	43.72	45.49	71.44	59.55	51.10	43.65	38.50
323834	1.04	1.05	0.95	0.93	1.00	0.98	1.48	2.67	1.14	0.55	0.47	0.31	0.27	0.06	-0.06	0.29	0.37	0.30	0.33	0.52	0.46	0.42	0.32	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	33.41	34.74	34.36	32.65	33.73	33.83	46.71	90.22	44.22	33.84	33.90	32.16	33.04	33.37	31.95	41.65	44.31	44.21	46.01	72.22	60.25	51.70	44.17	38.96
23571	0.78	0.75	0.61	0.61	0.67	0.62	0.99	1.74	0.84	0.59	0.61	0.49	0.46	0.33	0.40	0.58	0.73	0.78	0.85	1.30	1.16	1.02	0.84	0.82
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	33.41 0.78 0.00	34.74 0.75 0.00	34.36 0.61 0.00	32.65 0.61 0.00	33.73 0.67 0.00	33.83 0.62 0.00	46.71 0.99 0.00	90.22 1.74 0.00	44.22 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.37 0.33 0.00	31.95 0.40 0.00	41.65 0.58 0.00	44.31 0.73 0.00	44.21 0.78 0.00	46.01 0.85 0.00	72.22 1.30 0.00	60.25 1.16 0.00	51.70 1.02 0.00	44.17 0.84 0.00	38.96 0.82 0.00
ALBANY___3 23573	33.41 0.78 0.00	34.74 0.75 0.00	34.36 0.61 0.00	32.65 0.61 0.00	33.73 0.67 0.00	33.83 0.62 0.00	46.71 0.99 0.00	90.22 1.74 0.00	44.22 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.37 0.33 0.00	31.95 0.40 0.00	41.65 0.58 0.00	44.31 0.73 0.00	44.21 0.78 0.00	46.01 0.85 0.00	72.22 1.30 0.00	60.25 1.16 0.00	51.70 1.02 0.00	44.17 0.84 0.00	38.96 0.82 0.00
ALBANY___4 23574	33.41 0.78 0.00	34.74 0.75 0.00	34.36 0.61 0.00	32.65 0.61 0.00	33.73 0.67 0.00	33.83 0.62 0.00	46.71 0.99 0.00	90.22 1.74 0.00	44.22 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.37 0.33 0.00	31.95 0.40 0.00	41.65 0.58 0.00	44.31 0.73 0.00	44.21 0.78 0.00	46.01 0.85 0.00	72.22 1.30 0.00	60.25 1.16 0.00	51.70 1.02 0.00	44.17 0.84 0.00	38.96 0.82 0.00
ALBANY___LFGE 323615	33.57 0.94 0.00	34.91 0.92 0.00	34.53 0.78 0.00	32.81 0.76 0.00	33.90 0.83 0.00	34.01 0.80 0.00	46.98 1.25 0.00	90.75 2.27 0.00	44.47 1.08 0.00	34.02 0.76 0.00	34.07 0.78 0.00	32.33 0.66 0.00	33.23 0.65 0.00	33.57 0.53 0.00	32.16 0.61 0.00	41.92 0.85 0.00	44.63 1.05 0.00	44.54 1.11 0.00	46.35 1.19 0.00	72.78 1.86 0.00	60.68 1.59 0.00	52.07 1.38 0.00	44.46 1.14 0.00	39.19 1.05 0.00
ALCOA_PA_115KV_PL-6C 55860	33.42 0.79 0.00	34.87 0.88 0.00	34.78 1.03 0.00	32.94 0.90 0.00	33.97 0.90 0.00	34.18 0.97 0.00	46.87 1.15 0.00	90.99 2.51 0.00	44.83 1.44 0.00	34.41 1.15 0.00	34.40 1.11 0.00	32.73 1.06 0.00	33.66 1.08 0.00	34.14 1.09 0.00	32.25 0.70 0.00	41.98 0.91 0.00	44.74 1.16 0.00	44.59 1.17 0.00	46.34 1.18 0.00	72.75 1.83 0.00	60.74 1.65 0.00	52.16 1.47 0.00	44.61 1.28 0.00	39.33 1.20 0.00
ALCOA_RYNLDS___DRP 24188	33.42 0.79 0.00	34.87 0.88 0.00	34.78 1.03 0.00	32.94 0.90 0.00	33.97 0.90 0.00	34.18 0.97 0.00	46.87 1.15 0.00	90.99 2.51 0.00	44.83 1.44 0.00	34.41 1.15 0.00	34.40 1.11 0.00	32.73 1.06 0.00	33.66 1.08 0.00	34.14 1.09 0.00	32.25 0.70 0.00	41.98 0.91 0.00	44.74 1.16 0.00	44.59 1.17 0.00	46.34 1.18 0.00	72.75 1.83 0.00	60.74 1.65 0.00	52.16 1.47 0.00	44.61 1.28 0.00	39.33 1.20 0.00
ALCOA___DSASP 323711	33.42 0.79 0.00	34.87 0.88 0.00	34.78 1.03 0.00	32.94 0.90 0.00	33.97 0.90 0.00	34.18 0.97 0.00	46.87 1.15 0.00	90.99 2.51 0.00	44.82 1.44 0.00	34.40 1.15 0.00	34.40 1.11 0.00	32.73 1.06 0.00	33.66 1.08 0.00	34.14 1.10 0.00	32.25 0.70 0.00	41.98 0.91 0.00	44.74 1.16 0.00	44.59 1.17 0.00	46.34 1.18 0.00	72.75 1.83 0.00	60.73 1.65 0.00	52.15 1.47 0.00	44.61 1.28 0.00	39.33 1.20 0.00
ALLEGHENY___COGEN 23514	32.52 -0.11 0.00	34.33 0.34 0.00	34.21 0.46 0.00	32.55 0.50 0.00	33.80 0.73 0.00	34.11 0.90 0.00	46.53 0.81 0.00	89.62 1.14 0.00	43.71 0.32 0.00	32.56 -0.70 0.00	32.08 -1.21 0.00	30.64 -1.03 0.00	31.54 -1.05 0.00	32.07 -0.97 0.00	31.07 -0.48 0.00	41.40 0.32 0.00	43.72 0.14 0.00	43.60 0.17 0.00	45.44 0.29 0.00	71.58 0.66 0.00	59.01 -0.08 0.00	50.51 -0.17 0.00	43.17 -0.16 0.00	37.87 -0.27 0.00
ALTAMONT_115KV_TB 2 55880	33.23 0.61 0.00	34.56 0.57 0.00	34.21 0.46 0.00	32.50 0.45 0.00	33.57 0.50 0.00	33.67 0.46 0.00	46.50 0.78 0.00	89.88 1.40 0.00	44.03 0.65 0.00	33.68 0.42 0.00	33.71 0.42 0.00	32.01 0.34 0.00	32.90 0.31 0.00	33.26 0.22 0.00	31.85 0.30 0.00	41.50 0.43 0.00	44.11 0.53 0.00	44.02 0.60 0.00	45.84 0.68 0.00	72.01 1.08 0.00	60.03 0.94 0.00	51.50 0.82 0.00	43.99 0.67 0.00	38.76 0.62 0.00
ALTONA_WT_PWR 323606	32.53 -0.10 0.00	34.11 0.12 0.00	34.80 1.05 0.00	33.12 1.08 0.00	34.11 1.04 0.00	34.44 1.23 0.00	47.71 2.00 0.00	93.33 4.85 0.00	46.10 2.71 0.00	35.21 1.95 0.00	35.28 1.99 0.00	33.71 2.04 0.00	34.62 2.03 0.00	34.97 1.93 0.00	33.31 1.76 0.00	43.43 2.35 0.00	46.28 2.71 0.00	45.99 2.57 0.00	47.99 2.83 0.00	75.43 4.51 0.00	62.69 3.61 0.00	53.51 2.83 0.00	45.78 2.45 0.00	40.43 2.29 0.00
AMERICAN_REF_FUEL 24010	30.60 -2.03 0.00	32.46 -1.54 0.00	32.41 -1.34 0.00	30.75 -1.29 0.00	31.80 -1.27 0.00	31.83 -1.38 0.00	42.40 -3.31 0.00	80.58 -7.90 0.00	39.82 -3.56 0.00	30.76 -2.50 0.00	30.70 -2.59 0.00	29.37 -2.30 0.00	30.10 -2.49 0.00	30.66 -2.39 0.00	29.70 -1.85 0.00	38.55 -2.52 0.00	40.29 -3.29 0.00	40.00 -3.43 0.00	41.34 -3.82 0.00	64.50 -6.43 0.00	53.24 -5.85 0.00	45.75 -4.94 0.00	39.66 -3.66 0.00	35.21 -2.93 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	31.88 -0.75 0.00	33.39 -0.60 0.00	33.19 -0.56 0.00	31.35 -0.69 0.00	32.66 -0.40 0.00	33.17 -0.04 0.00	44.72 -1.00 0.00	85.91 -2.57 0.00	42.14 -1.24 0.00	32.62 -0.64 0.00	32.43 -0.86 0.00	30.88 -0.79 0.00	31.46 -1.12 0.00	32.33 -0.71 0.00	31.43 -0.12 0.00	40.48 -0.59 0.00	42.30 -1.28 0.00	42.24 -1.18 0.00	43.78 -1.38 0.00	69.16 -1.77 0.00	57.13 -1.96 0.00	48.46 -2.22 0.00	41.24 -2.09 0.00	36.17 -1.97 0.00
ARTHUR KILL_GT_1 23520	64.38 1.38 -30.37	56.77 1.23 -21.55	56.03 1.04 -21.25	56.03 0.96 -23.03	56.04 0.93 -22.04	56.79 0.83 -22.75	58.17 1.53 -10.92	96.55 2.91 -5.17	58.96 1.52 -14.06	58.93 1.38 -24.29	57.59 1.43 -22.88	57.50 1.38 -24.45	58.02 1.58 -23.86	58.10 1.61 -23.46	56.81 1.74 -23.52	57.74 1.93 -14.74	57.86 1.91 -12.38	57.85 1.87 -12.55	62.13 2.15 -14.82	74.19 3.18 -0.08	68.35 2.84 -6.42	59.78 2.32 -6.77	58.07 1.98 -12.77	57.50 1.55 -17.81
ARTHUR_KILL_2 23512	64.30 1.30 -30.37	56.69 1.15 -21.55	55.95 0.95 -21.25	55.95 0.87 -23.03	55.95 0.84 -22.04	56.70 0.73 -22.75	58.04 1.40 -10.92	96.31 2.66 -5.17	58.84 1.40 -14.06	58.84 1.29 -24.29	57.53 1.37 -22.88	57.44 1.31 -24.45	57.95 1.50 -23.86	58.02 1.53 -23.46	56.74 1.67 -23.52	57.65 1.83 -14.74	57.76 1.81 -12.38	57.74 1.76 -12.55	62.01 2.02 -14.82	73.98 2.97 -0.08	68.17 2.66 -6.42	59.62 2.17 -6.77	57.95 1.86 -12.77	57.40 1.45 -17.81
ARTHUR_KILL_3 23513	63.88 0.87 -30.38	56.34 0.70 -21.65	55.81 0.51 -21.55	55.58 0.49 -23.04	55.58 0.46 -22.05	56.33 0.36 -22.76	57.65 0.94 -10.99	95.73 1.97 -5.27	58.06 0.86 -13.82	58.44 0.89 -24.29	57.10 0.92 -22.88	57.07 0.95 -24.45	57.56 1.10 -23.87	57.66 1.16 -23.46	56.06 1.32 -23.19	57.27 1.46 -14.74	57.35 1.39 -12.38	57.33 1.36 -12.55	61.53 1.54 -14.83	73.59 2.58 -0.08	65.71 2.08 -4.55	59.13 1.67 -6.78	57.85 1.38 -13.14	57.93 1.05 -18.73



ARTHUR_KILL_COGEN 323718	64.38 1.38 -30.37	56.77 1.23 -21.55	56.03 1.04 -21.25	56.03 0.96 -23.03	56.04 0.93 -22.04	56.79 0.83 -22.75	58.17 1.53 -10.92	96.55 2.91 -5.17	58.96 1.52 -14.06	58.93 1.38 -24.29	57.59 1.43 -22.88	57.50 1.38 -24.45	58.02 1.58 -23.86	58.10 1.61 -23.46	56.81 1.74 -23.52	57.74 1.93 -14.74	57.86 1.91 -12.38	57.85 1.87 -12.55	62.13 2.15 -14.82	74.19 3.18 -0.08	68.35 2.84 -6.42	59.78 2.32 -6.77	58.07 1.98 -12.77	57.50 1.55 -17.81
ASHOKAN____ 23654	34.07 1.44 0.00	35.40 1.41 0.00	35.03 1.28 0.00	33.26 1.22 0.00	34.39 1.32 0.00	34.57 1.36 0.00	47.99 2.27 0.00	93.07 4.59 0.00	45.63 2.24 0.00	34.70 1.45 0.00	34.41 1.12 0.00	32.58 0.91 0.00	33.43 0.85 0.00	33.83 0.79 0.00	32.40 0.85 0.00	42.04 0.96 0.00	45.39 1.81 0.00	45.69 2.27 0.00	47.65 2.49 0.00	74.97 4.04 0.00	62.37 3.28 0.00	53.38 2.69 0.00	45.53 2.20 0.00	40.00 1.87 0.00
ASTORIA_EAST_ENERGY_CC1 323581	33.69 1.06 0.00	34.90 0.91 0.00	34.48 0.73 0.00	32.71 0.66 0.00	33.66 0.59 0.00	33.69 0.48 0.00	46.89 1.16 0.00	90.72 2.24 0.00	44.56 1.18 0.00	34.39 1.13 0.00	34.38 1.10 0.00	32.76 1.09 0.00	33.88 1.29 0.00	34.74 1.34 -0.36	35.49 1.47 -2.47	42.66 1.59 0.00	45.18 1.60 0.00	44.99 1.57 0.00	46.93 1.77 0.00	73.71 2.78 0.00	61.49 2.40 0.00	52.65 1.97 0.00	44.94 1.61 0.00	39.48 1.34 0.00
ASTORIA_EAST_ENERGY_CC2 323582	33.69 1.06 0.00	34.90 0.91 0.00	34.48 0.73 0.00	32.71 0.66 0.00	33.66 0.59 0.00	33.69 0.48 0.00	46.89 1.16 0.00	90.72 2.24 0.00	44.56 1.18 0.00	34.39 1.13 0.00	34.38 1.10 0.00	32.76 1.09 0.00	33.87 1.29 0.00	34.74 1.34 -0.36	35.49 1.47 -2.47	42.66 1.59 0.00	45.18 1.60 0.00	44.99 1.57 0.00	46.93 1.77 0.00	73.70 2.78 0.00	61.49 2.40 0.00	52.65 1.97 0.00	44.94 1.61 0.00	39.48 1.34 0.00
ASTORIA_GT2_1 24094	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT2_2 24095	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT2_3 24096	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT2_4 24097	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT3_1 24098	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT3_2 24099	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT3_3 24100	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT3_4 24101	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT4_1 24102	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT4_2 24103	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT4_3 24104	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00



ASTORIA_GT4_4 24105	33.70 1.07 0.00	34.91 0.92 0.00	34.50 0.75 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.70 0.49 0.00	46.90 1.18 0.00	90.78 2.30 0.00	44.59 1.21 0.00	34.40 1.14 0.00	34.40 1.11 0.00	32.77 1.10 0.00	33.89 1.31 0.00	34.75 1.35 -0.36	35.51 1.48 -2.48	42.69 1.62 0.00	45.21 1.63 0.00	45.03 1.61 0.00	46.96 1.80 0.00	73.74 2.82 0.00	61.53 2.44 0.00	52.69 2.01 0.00	44.97 1.64 0.00	39.50 1.36 0.00
ASTORIA_GT_1 23523	33.75 1.13 0.00	34.97 0.98 0.00	34.55 0.80 0.00	32.77 0.72 0.00	33.71 0.64 0.00	33.76 0.55 0.00	46.98 1.26 0.00	90.95 2.47 0.00	44.67 1.28 0.00	34.46 1.21 0.00	34.46 1.17 0.00	32.83 1.17 0.00	33.94 1.36 0.00	34.81 1.41 -0.36	35.56 1.53 -2.47	42.75 1.67 0.00	45.29 1.71 0.00	45.09 1.66 0.00	47.03 1.87 0.00	73.88 2.96 0.00	61.63 2.54 0.00	52.78 2.09 0.00	45.04 1.72 0.00	39.55 1.41 0.00
ASTORIA_GT_10 24110	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.83 0.62 0.00	47.05 1.33 0.00	91.11 2.64 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.98 1.26 -1.05	34.75 1.43 -0.74	35.06 1.48 -0.54	36.17 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.13 1.70 0.00	47.07 1.91 0.00	73.99 3.07 0.00	61.62 2.54 0.00	52.74 2.06 0.00	45.02 1.69 0.00	39.52 1.37 0.00
ASTORIA_GT_11 24225	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.83 0.62 0.00	47.05 1.33 0.00	91.11 2.64 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.98 1.26 -1.05	34.75 1.43 -0.74	35.06 1.48 -0.54	36.17 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.13 1.70 0.00	47.07 1.91 0.00	73.99 3.07 0.00	61.62 2.54 0.00	52.74 2.06 0.00	45.02 1.69 0.00	39.52 1.37 0.00
ASTORIA_GT_12 24226	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.83 0.62 0.00	47.05 1.33 0.00	91.11 2.64 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.98 1.26 -1.05	34.75 1.43 -0.74	35.06 1.48 -0.54	36.17 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.13 1.70 0.00	47.07 1.91 0.00	73.99 3.07 0.00	61.62 2.54 0.00	52.74 2.06 0.00	45.02 1.69 0.00	39.52 1.37 0.00
ASTORIA_GT_13 24227	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.83 0.62 0.00	47.05 1.33 0.00	91.11 2.64 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.98 1.26 -1.05	34.75 1.43 -0.74	35.06 1.48 -0.54	36.17 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.13 1.70 0.00	47.07 1.91 0.00	73.99 3.07 0.00	61.62 2.54 0.00	52.74 2.06 0.00	45.02 1.69 0.00	39.52 1.37 0.00
ASTORIA_GT_5 24106	33.75 1.13 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.77 0.73 0.00	33.71 0.64 0.00	33.75 0.53 0.00	46.98 1.26 0.00	90.95 2.47 0.00	44.67 1.28 0.00	34.46 1.20 0.00	34.46 1.17 0.00	32.83 1.16 0.00	33.95 1.36 0.00	34.82 1.41 -0.36	35.57 1.54 -2.48	42.76 1.68 0.00	45.29 1.70 0.00	45.10 1.67 0.00	47.04 1.88 0.00	73.88 2.96 0.00	61.63 2.54 0.00	52.78 2.09 0.00	45.04 1.72 0.00	39.56 1.42 0.00
ASTORIA_GT_7 24107	33.75 1.13 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.77 0.73 0.00	33.71 0.64 0.00	33.75 0.53 0.00	46.98 1.26 0.00	90.95 2.47 0.00	44.67 1.28 0.00	34.46 1.20 0.00	34.46 1.17 0.00	32.83 1.16 0.00	33.95 1.36 0.00	34.82 1.41 -0.36	35.57 1.54 -2.48	42.76 1.68 0.00	45.29 1.70 0.00	45.10 1.67 0.00	47.04 1.88 0.00	73.88 2.96 0.00	61.63 2.54 0.00	52.78 2.09 0.00	45.04 1.72 0.00	39.56 1.42 0.00
ASTORIA_GT_8 24108	33.75 1.13 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.77 0.73 0.00	33.71 0.64 0.00	33.75 0.53 0.00	46.98 1.26 0.00	90.95 2.47 0.00	44.67 1.28 0.00	34.46 1.20 0.00	34.46 1.17 0.00	32.83 1.16 0.00	33.95 1.36 0.00	34.82 1.41 -0.36	35.57 1.54 -2.48	42.76 1.68 0.00	45.29 1.70 0.00	45.10 1.67 0.00	47.04 1.88 0.00	73.88 2.96 0.00	61.63 2.54 0.00	52.78 2.09 0.00	45.04 1.72 0.00	39.56 1.42 0.00
ASTORIA___2 24149	33.70 1.07 0.00	34.91 0.92 0.00	34.51 0.76 0.00	32.72 0.67 0.00	33.67 0.60 0.00	33.72 0.50 0.00	46.90 1.18 0.00	90.78 2.31 0.00	44.59 1.20 0.00	34.41 1.15 0.00	34.40 1.11 0.00	32.78 1.11 0.00	33.89 1.30 0.00	34.75 1.35 -0.36	35.50 1.48 -2.47	42.68 1.60 0.00	45.21 1.63 0.00	45.01 1.58 0.00	46.95 1.79 0.00	73.75 2.82 0.00	61.52 2.43 0.00	52.69 2.00 0.00	44.97 1.64 0.00	39.49 1.35 0.00
ASTORIA___3 23516	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.79 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.84 0.63 0.00	47.05 1.33 0.00	91.12 2.63 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.99 1.27 -1.05	34.75 1.43 -0.74	35.05 1.47 -0.54	36.16 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.12 1.70 0.00	47.06 1.90 0.00	73.99 3.06 0.00	61.62 2.53 0.00	52.74 2.06 0.00	45.02 1.70 0.00	39.51 1.37 0.00
ASTORIA___4 23517	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.83 0.62 0.00	47.05 1.33 0.00	91.11 2.64 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.98 1.26 -1.05	34.75 1.43 -0.74	35.06 1.48 -0.54	36.17 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.13 1.70 0.00	47.07 1.91 0.00	73.99 3.07 0.00	61.62 2.54 0.00	52.74 2.06 0.00	45.02 1.69 0.00	39.52 1.37 0.00
ASTORIA___5 23518	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.79 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.84 0.63 0.00	47.05 1.33 0.00	91.12 2.63 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.99 1.27 -1.05	34.75 1.43 -0.74	35.05 1.47 -0.54	36.16 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.12 1.70 0.00	47.06 1.90 0.00	73.99 3.06 0.00	61.62 2.53 0.00	52.74 2.06 0.00	45.02 1.70 0.00	39.51 1.37 0.00
AST_ENERGY_2_CC3 323677	33.66 1.03 0.00	34.88 0.89 0.00	34.45 0.70 0.00	32.70 0.65 0.00	33.70 0.64 0.00	33.76 0.54 0.00	46.93 1.21 0.00	91.02 2.54 0.00	44.54 1.15 0.00	34.35 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.88 1.30 0.00	34.76 1.35 -0.36	35.52 1.50 -2.48	42.73 1.66 0.00	45.21 1.63 0.00	45.02 1.60 0.00	46.93 1.77 0.00	73.86 2.94 0.00	61.46 2.37 0.00	52.60 1.92 0.00	44.90 1.57 0.00	39.38 1.24 0.00
AST_ENERGY_2_CC4 323678	33.66 1.03 0.00	34.88 0.89 0.00	34.45 0.70 0.00	32.70 0.65 0.00	33.70 0.64 0.00	33.76 0.54 0.00	46.93 1.21 0.00	91.02 2.54 0.00	44.54 1.15 0.00	34.35 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.88 1.30 0.00	34.76 1.35 -0.36	35.52 1.50 -2.48	42.73 1.66 0.00	45.21 1.63 0.00	45.02 1.60 0.00	46.93 1.77 0.00	73.86 2.94 0.00	61.46 2.37 0.00	52.60 1.92 0.00	44.90 1.57 0.00	39.38 1.24 0.00



ATHENS_STG_1 23668	33.21 0.58 0.00	34.50 0.51 0.00	34.14 0.39 0.00	32.42 0.38 0.00	33.45 0.39 0.00	33.54 0.33 0.00	46.40 0.68 0.00	89.78 1.31 0.00	43.94 0.55 0.00	33.69 0.43 0.00	33.73 0.44 0.00	32.08 0.41 0.00	33.03 0.45 0.00	33.46 0.42 0.00	32.10 0.55 0.00	41.71 0.64 0.00	44.28 0.70 0.00	44.13 0.71 0.00	45.95 0.80 0.00	72.26 1.34 0.00	60.22 1.13 0.00	51.65 0.97 0.00	44.12 0.79 0.00	38.80 0.67 0.00
ATHENS_STG_2 23670	33.21 0.58 0.00	34.50 0.51 0.00	34.14 0.39 0.00	32.42 0.38 0.00	33.45 0.39 0.00	33.54 0.33 0.00	46.40 0.68 0.00	89.78 1.31 0.00	43.94 0.55 0.00	33.69 0.43 0.00	33.73 0.44 0.00	32.08 0.41 0.00	33.03 0.45 0.00	33.46 0.42 0.00	32.10 0.55 0.00	41.71 0.64 0.00	44.28 0.70 0.00	44.13 0.71 0.00	45.95 0.80 0.00	72.26 1.34 0.00	60.22 1.13 0.00	51.65 0.97 0.00	44.12 0.79 0.00	38.80 0.67 0.00
ATHENS_STG_3 23677	33.21 0.58 0.00	34.50 0.51 0.00	34.14 0.39 0.00	32.42 0.38 0.00	33.45 0.39 0.00	33.54 0.33 0.00	46.40 0.68 0.00	89.78 1.31 0.00	43.94 0.55 0.00	33.69 0.43 0.00	33.73 0.44 0.00	32.08 0.41 0.00	33.03 0.45 0.00	33.46 0.42 0.00	32.10 0.55 0.00	41.71 0.64 0.00	44.28 0.70 0.00	44.13 0.71 0.00	45.95 0.80 0.00	72.26 1.34 0.00	60.22 1.13 0.00	51.65 0.97 0.00	44.12 0.79 0.00	38.80 0.67 0.00
AUBURN___LFGE 323710	32.29 -0.34 0.00	33.63 -0.36 0.00	33.41 -0.34 0.00	31.77 -0.27 0.00	32.82 -0.25 0.00	33.01 -0.20 0.00	45.36 -0.36 0.00	87.59 -0.89 0.00	42.88 -0.51 0.00	32.72 -0.54 0.00	32.63 -0.66 0.00	31.00 -0.66 0.00	31.91 -0.68 0.00	32.46 -0.58 0.00	31.23 -0.32 0.00	40.75 -0.33 0.00	43.12 -0.46 0.00	42.91 -0.51 0.00	44.65 -0.51 0.00	70.16 -0.76 0.00	58.24 -0.84 0.00	49.91 -0.77 0.00	42.66 -0.67 0.00	37.51 -0.63 0.00
BABYLON_RES_REC 323704	33.77 1.14 0.00	35.02 1.02 0.00	34.51 0.76 0.00	32.62 0.57 0.00	33.64 0.58 0.00	33.73 0.51 0.00	47.05 1.33 0.00	91.50 3.03 0.00	44.59 1.21 0.00	34.48 1.22 0.00	34.53 1.25 0.00	32.69 1.02 0.00	33.66 1.08 0.00	34.21 1.15 -0.02	33.02 1.36 -0.11	42.82 1.75 0.00	45.35 1.77 0.00	44.86 1.43 0.00	46.95 1.79 0.00	74.12 3.20 0.00	61.93 2.84 0.00	52.93 2.25 0.00	45.20 1.88 0.00	39.50 1.36 0.00
BABYLON__69_KV_BK2 356345	34.10 1.48 0.00	35.32 1.33 0.00	34.80 1.05 0.00	32.89 0.85 0.00	33.93 0.86 0.00	34.02 0.81 0.00	47.48 1.76 0.00	92.39 3.91 0.00	44.98 1.59 0.00	34.79 1.53 0.00	34.83 1.54 0.00	32.94 1.27 0.00	33.95 1.36 0.00	34.48 1.43 -0.02	33.27 1.61 -0.11	43.25 2.18 0.00	45.75 2.17 0.00	45.28 1.86 0.00	47.39 2.23 0.00	74.83 3.91 0.00	62.58 3.49 0.00	53.46 2.77 0.00	45.63 2.30 0.00	39.84 1.70 0.00
BALL_HILL_WT_PWR 323825	31.74 -0.89 0.00	33.36 -0.63 0.00	33.19 -0.56 0.00	31.48 -0.56 0.00	32.63 -0.44 0.00	32.93 -0.28 0.00	44.47 -1.25 0.00	85.28 -3.20 0.00	41.93 -1.46 0.00	32.36 -0.90 0.00	32.16 -1.13 0.00	30.70 -0.97 0.00	31.42 -1.17 0.00	32.12 -0.92 0.00	31.17 -0.38 0.00	40.33 -0.74 0.00	42.16 -1.42 0.00	41.98 -1.45 0.00	43.46 -1.70 0.00	68.54 -2.39 0.00	56.61 -2.48 0.00	48.24 -2.44 0.00	41.31 -2.01 0.00	36.35 -1.79 0.00
BARON_WINDS___WT_PWR 323822	31.09 -1.54 0.00	32.82 -1.17 0.00	32.71 -1.04 0.00	31.14 -0.90 0.00	32.38 -0.69 0.00	32.64 -0.57 0.00	44.53 -1.19 0.00	85.47 -3.01 0.00	41.91 -1.48 0.00	31.86 -1.39 0.00	31.56 -1.72 0.00	30.21 -1.46 0.00	30.98 -1.60 0.00	31.48 -1.56 0.00	30.45 -1.10 0.00	40.02 -1.06 0.00	41.88 -1.70 0.00	41.55 -1.88 0.00	43.27 -1.89 0.00	68.11 -2.81 0.00	56.22 -2.87 0.00	48.17 -2.52 0.00	41.26 -2.07 0.00	36.08 -2.06 0.00
BARRETT_IC_1 23704	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_10 23701	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_11 23702	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_12 23703	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_2 23705	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_3 23706	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_4 23707	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00



BARRETT_IC_5 23708	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_6 23709	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_7 23710	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.58 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.91 0.00	34.27 1.01 0.00	34.39 1.11 0.00	32.66 0.98 0.00	33.70 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.17 1.60 0.00	44.73 1.31 0.00	46.59 1.43 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.33 1.19 0.00
BARRETT_IC_8 23711	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT_IC_9 23700	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT___1 23545	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BARRETT___2 23546	33.64 1.01 0.00	34.88 0.89 0.00	34.39 0.64 0.00	32.56 0.52 0.00	33.55 0.48 0.00	33.59 0.37 0.00	46.70 0.98 0.00	90.62 2.14 0.00	44.30 0.92 0.00	34.28 1.02 0.00	34.39 1.11 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.72 1.64 0.00	45.18 1.60 0.00	44.72 1.30 0.00	46.58 1.42 0.00	73.51 2.58 0.00	61.35 2.26 0.00	52.56 1.88 0.00	44.95 1.63 0.00	39.32 1.19 0.00
BATAVIA___115KV_TB1 55881	31.96 -0.67 0.00	33.76 -0.23 0.00	33.65 -0.10 0.00	31.97 -0.07 0.00	33.10 0.03 0.00	33.28 0.06 0.00	44.83 -0.89 0.00	85.76 -2.72 0.00	42.16 -1.23 0.00	32.17 -1.09 0.00	31.83 -1.46 0.00	30.36 -1.31 0.00	31.31 -1.27 0.00	31.99 -1.05 0.00	31.00 -0.55 0.00	40.47 -0.60 0.00	42.60 -0.98 0.00	42.35 -1.07 0.00	43.88 -1.29 0.00	68.72 -2.21 0.00	56.76 -2.33 0.00	48.62 -2.06 0.00	41.87 -1.45 0.00	36.96 -1.17 0.00
BAYONEEC___CTG1 323682	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG10 323750	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG2 323683	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG3 323684	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG4 323685	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG5 323686	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG6 323687	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00



BAYONEEC___CTG7 323688	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG8 323689	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BAYONEEC___CTG9 323749	33.61 0.98 0.00	34.82 0.83 0.00	34.39 0.64 0.00	32.64 0.60 0.00	33.65 0.58 0.00	33.70 0.49 0.00	46.85 1.13 0.00	90.84 2.35 0.00	44.45 1.06 0.00	34.28 1.02 0.00	34.35 1.07 0.00	32.74 1.07 0.00	33.81 1.23 0.00	34.68 1.28 -0.36	35.46 1.43 -2.48	42.67 1.59 0.00	45.13 1.55 0.00	44.95 1.53 0.00	46.86 1.70 0.00	73.74 2.81 0.00	61.36 2.27 0.00	52.52 1.84 0.00	44.84 1.52 0.00	39.32 1.18 0.00
BEACON___LESR 323632	33.62 0.99 0.00	34.97 0.98 0.00	34.58 0.83 0.00	32.85 0.81 0.00	33.97 0.91 0.00	34.10 0.89 0.00	47.27 1.55 0.00	91.27 2.79 0.00	44.63 1.25 0.00	34.11 0.86 0.00	34.15 0.86 0.00	32.36 0.69 0.00	33.28 0.70 0.00	33.55 0.51 0.00	32.16 0.61 0.00	41.87 0.79 0.00	44.62 1.04 0.00	44.55 1.12 0.00	46.42 1.26 0.00	72.90 1.97 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.47 1.14 0.00	39.21 1.07 0.00
BEAVER RIVER___HYD 24048	32.79 0.16 0.00	34.43 0.44 0.00	34.03 0.28 0.00	32.28 0.23 0.00	33.31 0.24 0.00	34.03 0.82 0.00	47.19 1.47 0.00	91.84 3.36 0.00	44.79 1.40 0.00	34.03 0.77 0.00	33.92 0.64 0.00	32.05 0.38 0.00	32.80 0.21 0.00	33.52 0.48 0.00	32.15 0.60 0.00	42.12 1.05 0.00	44.85 1.27 0.00	44.95 1.52 0.00	46.62 1.46 0.00	73.50 2.57 0.00	61.44 2.35 0.00	52.57 1.89 0.00	44.75 1.42 0.00	39.08 0.94 0.00
BEEBEE_GT_13 23619	31.66 -0.97 0.00	33.31 -0.68 0.00	33.16 -0.59 0.00	31.50 -0.55 0.00	32.56 -0.51 0.00	32.71 -0.50 0.00	44.39 -1.33 0.00	85.22 -3.26 0.00	41.82 -1.57 0.00	32.05 -1.20 0.00	31.98 -1.31 0.00	30.53 -1.14 0.00	31.42 -1.17 0.00	31.98 -1.06 0.00	30.89 -0.66 0.00	40.17 -0.90 0.00	42.25 -1.33 0.00	41.97 -1.46 0.00	43.52 -1.64 0.00	68.30 -2.63 0.00	56.47 -2.62 0.00	48.40 -2.29 0.00	41.57 -1.76 0.00	36.67 -1.47 0.00
BENSHRST_27_KV_BENSHRST_1 355998	64.59 1.59 -30.37	56.98 1.44 -21.55	56.25 1.24 -21.25	56.24 1.16 -23.03	56.24 1.13 -22.04	57.02 1.06 -22.75	58.57 1.94 -10.92	97.45 3.80 -5.17	59.33 1.88 -14.06	59.23 1.68 -24.29	57.91 1.74 -22.88	57.82 1.70 -24.45	58.33 1.88 -23.86	58.43 1.93 -23.46	57.11 2.05 -23.52	58.16 2.34 -14.74	58.30 2.34 -12.38	58.30 2.33 -12.55	62.55 2.57 -14.82	75.05 4.04 -0.08	68.89 3.38 -6.42	60.23 2.77 -6.77	58.38 2.29 -12.77	57.81 1.86 -17.81
BETHLEHEM___GRP 23843	33.41 0.78 0.00	34.74 0.75 0.00	34.36 0.61 0.00	32.65 0.61 0.00	33.73 0.67 0.00	33.83 0.62 0.00	46.71 0.99 0.00	90.22 1.74 0.00	44.22 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.37 0.33 0.00	31.95 0.40 0.00	41.65 0.58 0.00	44.31 0.73 0.00	44.21 0.78 0.00	46.01 0.85 0.00	72.22 1.30 0.00	60.25 1.16 0.00	51.70 1.02 0.00	44.17 0.84 0.00	38.96 0.82 0.00
BETHLEHEM___GS1 323560	33.41 0.78 0.00	34.74 0.75 0.00	34.36 0.61 0.00	32.65 0.61 0.00	33.73 0.67 0.00	33.83 0.62 0.00	46.71 0.98 0.00	90.22 1.74 0.00	44.22 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.37 0.33 0.00	31.96 0.40 0.00	41.65 0.57 0.00	44.31 0.72 0.00	44.21 0.79 0.00	46.01 0.85 0.00	72.22 1.30 0.00	60.25 1.16 0.00	51.70 1.02 0.00	44.17 0.84 0.00	38.95 0.82 0.00
BETHLEHEM___GS2 323561	33.41 0.78 0.00	34.74 0.75 0.00	34.36 0.61 0.00	32.65 0.61 0.00	33.73 0.67 0.00	33.83 0.62 0.00	46.71 0.98 0.00	90.22 1.74 0.00	44.22 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.37 0.33 0.00	31.96 0.40 0.00	41.65 0.57 0.00	44.31 0.72 0.00	44.21 0.79 0.00	46.01 0.85 0.00	72.22 1.30 0.00	60.25 1.16 0.00	51.70 1.02 0.00	44.17 0.84 0.00	38.95 0.82 0.00
BETHLEHEM___GS3 323562	33.41 0.78 0.00	34.74 0.75 0.00	34.36 0.61 0.00	32.65 0.61 0.00	33.73 0.67 0.00	33.83 0.62 0.00	46.71 0.98 0.00	90.22 1.74 0.00	44.22 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.37 0.33 0.00	31.96 0.40 0.00	41.65 0.57 0.00	44.31 0.72 0.00	44.21 0.79 0.00	46.01 0.85 0.00	72.22 1.30 0.00	60.25 1.16 0.00	51.70 1.02 0.00	44.17 0.84 0.00	38.95 0.82 0.00
BETHLEHEM___STEEL 23779	31.72 -0.91 0.00	33.57 -0.43 0.00	33.47 -0.28 0.00	31.78 -0.26 0.00	32.86 -0.21 0.00	32.95 -0.26 0.00	44.23 -1.49 0.00	84.34 -4.14 0.00	41.62 -1.77 0.00	32.13 -1.13 0.00	31.98 -1.30 0.00	30.59 -1.08 0.00	31.38 -1.21 0.00	31.96 -1.09 0.00	30.99 -0.56 0.00	40.20 -0.87 0.00	42.08 -1.50 0.00	41.73 -1.69 0.00	43.18 -1.98 0.00	67.58 -3.35 0.00	55.76 -3.33 0.00	47.81 -2.87 0.00	41.28 -2.04 0.00	36.51 -1.63 0.00
BETHLHEM_115KV_TB1 79974	33.36 0.73 0.00	34.70 0.71 0.00	34.32 0.57 0.00	32.61 0.57 0.00	33.69 0.62 0.00	33.79 0.58 0.00	46.65 0.93 0.00	90.13 1.65 0.00	44.17 0.79 0.00	33.82 0.56 0.00	33.87 0.58 0.00	32.13 0.46 0.00	33.01 0.43 0.00	33.34 0.30 0.00	31.93 0.38 0.00	41.61 0.54 0.00	44.26 0.68 0.00	44.15 0.72 0.00	45.95 0.79 0.00	72.15 1.22 0.00	60.16 1.07 0.00	51.63 0.95 0.00	44.11 0.79 0.00	38.89 0.75 0.00
BETHPAGE_CC_5 323564	33.71 1.09 0.00	34.97 0.98 0.00	34.46 0.71 0.00	32.59 0.55 0.00	33.61 0.55 0.00	33.69 0.47 0.00	46.95 1.23 0.00	91.25 2.77 0.00	44.55 1.16 0.00	34.46 1.20 0.00	34.52 1.24 0.00	32.74 1.07 0.00	33.74 1.15 0.00	34.25 1.20 -0.02	33.07 1.41 -0.11	42.87 1.80 0.00	45.34 1.76 0.00	44.87 1.45 0.00	46.88 1.72 0.00	74.03 3.10 0.00	61.81 2.72 0.00	52.84 2.16 0.00	45.12 1.80 0.00	39.45 1.32 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	31.84 -0.79 0.00	33.69 -0.31 0.00	33.60 -0.15 0.00	31.92 -0.13 0.00	32.99 -0.08 0.00	33.08 -0.13 0.00	44.42 -1.30 0.00	84.77 -3.71 0.00	41.83 -1.55 0.00	32.28 -0.98 0.00	32.14 -1.15 0.00	30.73 -0.94 0.00	31.53 -1.05 0.00	32.12 -0.92 0.00	31.12 -0.43 0.00	40.39 -0.69 0.00	42.28 -1.30 0.00	41.94 -1.49 0.00	43.38 -1.78 0.00	67.91 -3.01 0.00	56.04 -3.05 0.00	48.04 -2.64 0.00	41.47 -1.86 0.00	36.66 -1.48 0.00



BINGHAMTON___COGEN 23790	32.17 -0.46 0.00	33.60 -0.39 0.00	33.38 -0.37 0.00	31.75 -0.29 0.00	32.76 -0.31 0.00	32.95 -0.27 0.00	45.35 -0.37 0.00	87.66 -0.82 0.00	42.96 -0.42 0.00	32.89 -0.37 0.00	32.77 -0.51 0.00	31.23 -0.44 0.00	32.15 -0.44 0.00	32.65 -0.40 0.00	31.37 -0.18 0.00	40.92 -0.15 0.00	43.22 -0.36 0.00	43.03 -0.39 0.00	44.72 -0.44 0.00	70.37 -0.55 0.00	58.41 -0.68 0.00	50.03 -0.66 0.00	42.80 -0.52 0.00	37.59 -0.55 0.00
BIXINCNT_115KV_LOAD 355685	32.19 -0.44 0.00	33.88 -0.11 0.00	34.04 0.29 0.00	32.38 0.34 0.00	33.46 0.40 0.00	33.44 0.23 0.00	45.11 -0.61 0.00	86.33 -2.15 0.00	42.53 -0.86 0.00	32.81 -0.45 0.00	32.62 -0.67 0.00	31.17 -0.50 0.00	31.95 -0.63 0.00	32.44 -0.61 0.00	31.43 -0.12 0.00	40.76 -0.32 0.00	42.43 -1.15 0.00	42.04 -1.39 0.00	43.55 -1.61 0.00	68.46 -2.47 0.00	56.51 -2.58 0.00	48.43 -2.25 0.00	41.81 -1.51 0.00	36.70 -1.44 0.00
BLACK RIVER___HYD 24047	32.81 0.18 0.00	34.51 0.52 0.00	34.01 0.26 0.00	32.28 0.23 0.00	33.32 0.25 0.00	34.15 0.94 0.00	47.42 1.69 0.00	92.28 3.80 0.00	44.84 1.45 0.00	34.03 0.76 0.00	33.93 0.64 0.00	31.94 0.27 0.00	32.60 0.02 0.00	33.44 0.40 0.00	32.25 0.70 0.00	42.35 1.27 0.00	44.94 1.36 0.00	45.16 1.73 0.00	46.86 1.70 0.00	73.96 3.03 0.00	61.90 2.81 0.00	52.90 2.22 0.00	44.99 1.67 0.00	39.28 1.15 0.00
BLACKRVR_115KV_TB2 79977	32.81 0.18 0.00	34.51 0.52 0.00	34.01 0.26 0.00	32.28 0.23 0.00	33.32 0.25 0.00	34.15 0.94 0.00	47.41 1.69 0.00	92.28 3.80 0.00	44.84 1.45 0.00	34.03 0.77 0.00	33.93 0.64 0.00	31.94 0.27 0.00	32.60 0.02 0.00	33.43 0.40 0.00	32.25 0.70 0.00	42.35 1.28 0.00	44.95 1.37 0.00	45.15 1.73 0.00	46.86 1.70 0.00	73.96 3.04 0.00	61.89 2.81 0.00	52.91 2.23 0.00	44.99 1.67 0.00	39.28 1.15 0.00
BLISS_WT_PWR 323608	32.16 -0.47 0.00	33.82 -0.17 0.00	34.05 0.30 0.00	32.41 0.37 0.00	33.49 0.43 0.00	33.44 0.23 0.00	45.11 -0.61 0.00	86.32 -2.16 0.00	42.51 -0.87 0.00	32.81 -0.44 0.00	32.64 -0.65 0.00	31.17 -0.50 0.00	31.93 -0.66 0.00	32.38 -0.66 0.00	31.37 -0.18 0.00	40.67 -0.40 0.00	42.31 -1.27 0.00	41.93 -1.49 0.00	43.44 -1.72 0.00	68.30 -2.63 0.00	56.37 -2.72 0.00	48.30 -2.38 0.00	41.71 -1.62 0.00	36.56 -1.58 0.00
BLUESTONE___WT_PWR 323821	31.43 -1.20 0.00	32.86 -1.13 0.00	33.40 -0.35 0.00	32.51 0.46 0.00	33.44 0.37 0.00	33.89 0.68 0.00	47.22 1.50 0.00	92.44 3.96 0.00	45.16 1.77 0.00	34.33 1.08 0.00	33.92 0.63 0.00	32.20 0.53 0.00	33.09 0.51 0.00	33.64 0.60 0.00	32.38 0.83 0.00	42.49 1.42 0.00	45.38 1.80 0.00	44.97 1.55 0.00	46.64 1.49 0.00	72.76 1.83 0.00	60.42 1.33 0.00	51.86 1.18 0.00	44.49 1.16 0.00	38.80 0.66 0.00
BLUE_CIRC_CHEM_DRP 24182	33.46 0.83 0.00	34.82 0.83 0.00	34.47 0.73 0.00	32.75 0.70 0.00	33.83 0.76 0.00	33.94 0.73 0.00	46.85 1.13 0.00	90.45 1.97 0.00	44.27 0.88 0.00	33.76 0.50 0.00	33.77 0.49 0.00	32.02 0.35 0.00	32.88 0.30 0.00	33.12 0.08 0.00	31.49 -0.06 0.00	41.37 0.30 0.00	43.72 0.14 0.00	43.24 -0.19 0.00	44.97 -0.19 0.00	70.61 -0.31 0.00	58.86 -0.22 0.00	50.53 -0.15 0.00	43.18 -0.15 0.00	38.09 -0.05 0.00
BOC_GAS_DRP 24189	33.16 0.53 0.00	34.49 0.50 0.00	34.13 0.38 0.00	32.42 0.38 0.00	33.47 0.40 0.00	33.56 0.35 0.00	46.34 0.62 0.00	89.58 1.10 0.00	43.93 0.54 0.00	33.67 0.41 0.00	33.71 0.42 0.00	32.00 0.33 0.00	32.89 0.30 0.00	33.23 0.19 0.00	31.81 0.26 0.00	41.43 0.36 0.00	43.99 0.41 0.00	43.84 0.41 0.00	45.61 0.45 0.00	71.65 0.73 0.00	59.73 0.64 0.00	51.25 0.57 0.00	43.80 0.48 0.00	38.59 0.46 0.00
BOONVILLE_115KV_TB1 79983	33.09 0.46 0.00	34.58 0.59 0.00	34.25 0.50 0.00	32.52 0.48 0.00	33.58 0.51 0.00	34.05 0.84 0.00	47.19 1.47 0.00	91.59 3.11 0.00	44.71 1.33 0.00	34.01 0.75 0.00	33.93 0.64 0.00	32.16 0.50 0.00	33.05 0.46 0.00	33.65 0.61 0.00	32.28 0.73 0.00	42.18 1.11 0.00	44.90 1.32 0.00	44.91 1.49 0.00	46.65 1.49 0.00	73.44 2.51 0.00	61.22 2.14 0.00	52.41 1.72 0.00	44.64 1.31 0.00	39.09 0.95 0.00
BORALEX_4TH_BRANCH 23824	33.54 0.92 0.00	34.88 0.89 0.00	34.38 0.63 0.00	32.68 0.64 0.00	33.91 0.85 0.00	33.92 0.70 0.00	46.79 1.07 0.00	90.01 1.53 0.00	44.17 0.79 0.00	33.71 0.45 0.00	33.89 0.60 0.00	32.14 0.47 0.00	33.01 0.43 0.00	33.28 0.24 0.00	32.01 0.46 0.00	41.84 0.76 0.00	44.66 1.08 0.00	44.63 1.21 0.00	46.45 1.29 0.00	72.93 2.00 0.00	61.02 1.93 0.00	52.46 1.78 0.00	44.88 1.55 0.00	39.68 1.54 0.00
BOWLINE___1 23526	33.30 0.67 0.00	34.53 0.54 0.00	34.14 0.39 0.00	32.43 0.39 0.00	33.43 0.36 0.00	33.50 0.29 0.00	46.48 0.76 0.00	90.13 1.64 0.00	44.04 0.66 0.00	33.82 0.57 0.00	33.82 0.53 0.00	32.18 0.51 0.00	33.18 0.60 0.00	33.70 0.66 0.00	32.40 0.85 0.00	42.04 0.97 0.00	44.49 0.91 0.00	44.33 0.90 0.00	46.25 1.09 0.00	72.81 1.89 0.00	60.65 1.56 0.00	51.95 1.27 0.00	44.35 1.02 0.00	38.87 0.74 0.00
BOWLINE___2 23595	33.30 0.67 0.00	34.53 0.54 0.00	34.15 0.40 0.00	32.43 0.39 0.00	33.43 0.36 0.00	33.50 0.29 0.00	46.48 0.76 0.00	90.13 1.64 0.00	44.04 0.66 0.00	33.83 0.57 0.00	33.82 0.53 0.00	32.18 0.51 0.00	33.18 0.60 0.00	33.70 0.66 0.00	32.40 0.85 0.00	42.04 0.97 0.00	44.49 0.91 0.00	44.33 0.91 0.00	46.25 1.09 0.00	72.81 1.89 0.00	60.65 1.56 0.00	51.95 1.27 0.00	44.35 1.02 0.00	38.87 0.74 0.00
BRADY___115KV_TB2 356060	33.81 1.18 0.00	35.25 1.27 0.00	35.16 1.41 0.00	33.31 1.27 0.00	34.35 1.28 0.00	34.62 1.40 0.00	47.55 1.83 0.00	92.35 3.87 0.00	45.33 1.94 0.00	34.55 1.29 0.00	34.52 1.24 0.00	32.83 1.16 0.00	33.76 1.18 0.00	34.27 1.23 0.00	32.39 0.84 0.00	42.19 1.11 0.00	45.03 1.45 0.00	44.97 1.54 0.00	46.87 1.71 0.00	73.81 2.88 0.00	61.64 2.55 0.00	52.88 2.20 0.00	45.19 1.87 0.00	39.82 1.68 0.00
BRANSCOMB___SOLAR 323811	33.67 1.04 0.00	35.02 1.03 0.00	34.64 0.89 0.00	32.92 0.88 0.00	34.06 1.00 0.00	34.24 1.02 0.00	47.38 1.66 0.00	91.42 2.94 0.00	44.59 1.21 0.00	33.85 0.59 0.00	33.79 0.51 0.00	32.14 0.47 0.00	33.13 0.54 0.00	33.48 0.44 0.00	32.27 0.72 0.00	42.15 1.07 0.00	45.08 1.50 0.00	45.11 1.68 0.00	47.02 1.87 0.00	73.90 2.98 0.00	61.69 2.60 0.00	52.89 2.21 0.00	45.10 1.78 0.00	39.70 1.56 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	34.02 1.39 0.00	35.24 1.25 0.00	34.70 0.95 0.00	32.82 0.77 0.00	33.82 0.76 0.00	33.92 0.70 0.00	47.31 1.60 0.00	92.04 3.56 0.00	44.80 1.41 0.00	34.66 1.41 0.00	34.74 1.45 0.00	32.86 1.19 0.00	33.87 1.29 0.00	34.40 1.34 -0.02	33.21 1.55 -0.11	43.16 2.09 0.00	45.63 2.05 0.00	45.11 1.69 0.00	47.15 1.99 0.00	74.26 3.34 0.00	62.24 3.15 0.00	53.17 2.49 0.00	45.42 2.10 0.00	39.68 1.54 0.00



BRISTLHL_115KV_TB1 79998	31.55 -1.07 0.00	32.93 -1.06 0.00	32.71 -1.04 0.00	31.08 -0.96 0.00	32.08 -0.98 0.00	32.26 -0.95 0.00	44.31 -1.42 0.00	85.62 -2.86 0.00	41.91 -1.48 0.00	32.08 -1.18 0.00	32.12 -1.17 0.00	30.61 -1.06 0.00	31.49 -1.09 0.00	31.98 -1.05 0.00	30.72 -0.83 0.00	39.96 -1.11 0.00	42.13 -1.45 0.00	41.95 -1.47 0.00	43.61 -1.55 0.00	68.54 -2.39 0.00	56.95 -2.14 0.00	48.82 -1.86 0.00	41.74 -1.58 0.00	36.72 -1.42 0.00
BROOKHAVEN___DRP 24191	33.26 0.63 0.00	34.62 0.62 0.00	34.01 0.26 0.00	32.03 -0.02 0.00	33.16 0.10 0.00	33.19 -0.02 0.00	46.27 0.55 0.00	90.01 1.53 0.00	43.50 0.12 0.00	33.87 0.61 0.00	33.95 0.66 0.00	32.04 0.38 0.00	32.84 0.27 0.02	33.40 0.34 -0.02	32.31 0.65 -0.11	42.36 1.29 0.00	44.50 0.92 0.00	43.96 0.54 0.00	45.98 0.82 0.00	72.81 1.89 0.00	61.02 1.93 0.00	51.93 1.25 0.00	44.35 1.02 0.00	38.74 0.60 0.00
BROOKLYN_NAVY_YARD 23515	33.56 0.93 0.00	34.78 0.79 0.00	34.35 0.60 0.00	32.61 0.57 0.00	33.61 0.54 0.00	33.65 0.43 0.00	46.77 1.05 0.00	90.75 2.27 0.00	44.42 1.03 0.00	34.25 0.99 0.00	34.32 1.03 0.00	32.71 1.04 0.00	33.82 1.24 0.00	34.69 1.29 -0.36	35.46 1.43 -2.48	42.64 1.56 0.00	45.11 1.53 0.00	44.91 1.49 0.00	46.82 1.66 0.00	73.67 2.74 0.00	61.32 2.23 0.00	52.48 1.80 0.00	44.80 1.47 0.00	39.30 1.16 0.00
BROOKLYN___ARMY_DRP 323595	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
BROOKVLE_69_KV_TB1 55790	33.88 1.25 0.00	35.13 1.14 0.00	34.65 0.90 0.00	32.80 0.75 0.00	33.83 0.76 0.00	33.89 0.68 0.00	47.23 1.51 0.00	91.78 3.30 0.00	44.83 1.45 0.00	34.64 1.38 0.00	34.70 1.41 0.00	32.94 1.28 0.00	33.99 1.40 0.00	34.47 1.42 -0.02	33.29 1.63 -0.11	43.11 2.03 0.00	45.61 2.03 0.00	45.23 1.80 0.00	47.19 2.03 0.00	74.47 3.54 0.00	62.11 3.03 0.00	53.11 2.43 0.00	45.35 2.03 0.00	39.67 1.53 0.00
BROOME_2_LFGE 323671	32.17 -0.46 0.00	33.60 -0.39 0.00	33.38 -0.37 0.00	31.75 -0.29 0.00	32.76 -0.31 0.00	32.95 -0.27 0.00	45.35 -0.37 0.00	87.66 -0.82 0.00	42.96 -0.43 0.00	32.89 -0.37 0.00	32.77 -0.51 0.00	31.23 -0.44 0.00	32.15 -0.44 0.00	32.64 -0.40 0.00	31.37 -0.18 0.00	40.92 -0.15 0.00	43.22 -0.36 0.00	43.04 -0.39 0.00	44.71 -0.45 0.00	70.37 -0.55 0.00	58.41 -0.68 0.00	50.02 -0.66 0.00	42.80 -0.53 0.00	37.59 -0.55 0.00
BROOME___LFGE 323600	32.17 -0.46 0.00	33.60 -0.39 0.00	33.38 -0.37 0.00	31.75 -0.29 0.00	32.76 -0.31 0.00	32.95 -0.27 0.00	45.35 -0.37 0.00	87.66 -0.82 0.00	42.96 -0.43 0.00	32.89 -0.37 0.00	32.77 -0.51 0.00	31.23 -0.44 0.00	32.15 -0.44 0.00	32.64 -0.40 0.00	31.37 -0.18 0.00	40.92 -0.15 0.00	43.22 -0.36 0.00	43.04 -0.39 0.00	44.71 -0.45 0.00	70.37 -0.55 0.00	58.41 -0.68 0.00	50.02 -0.66 0.00	42.80 -0.53 0.00	37.59 -0.55 0.00
BROWNFLS_115KV_TB_3_5 80003	32.84 0.22 0.00	34.39 0.40 0.00	34.13 0.38 0.00	32.36 0.31 0.00	33.38 0.31 0.00	33.92 0.70 0.00	46.81 1.09 0.00	91.10 2.62 0.00	44.59 1.20 0.00	33.97 0.71 0.00	33.90 0.61 0.00	32.10 0.43 0.00	32.92 0.34 0.00	33.54 0.50 0.00	31.91 0.36 0.00	41.72 0.64 0.00	44.46 0.88 0.00	44.49 1.07 0.00	46.20 1.05 0.00	72.77 1.84 0.00	60.82 1.73 0.00	52.10 1.41 0.00	44.42 1.09 0.00	38.94 0.80 0.00
BROWNSV1_27_KV_LOAD 356125	33.94 1.31 0.00	35.14 1.15 0.00	34.71 0.96 0.00	32.94 0.90 0.00	33.95 0.89 0.00	34.02 0.80 0.00	47.34 1.62 0.00	91.82 3.34 0.00	44.95 1.56 0.00	34.65 1.39 0.00	34.72 1.44 0.00	33.09 1.42 0.00	34.17 1.59 0.00	35.05 1.66 -0.36	35.80 1.77 -2.48	43.11 2.04 0.00	45.61 2.03 0.00	45.43 2.01 0.00	47.37 2.21 0.00	74.58 3.65 0.00	62.05 2.96 0.00	53.10 2.42 0.00	45.32 1.99 0.00	39.72 1.59 0.00
BURROWS___LYONSDAL 23803	32.96 0.34 0.00	34.50 0.51 0.00	34.14 0.39 0.00	32.41 0.37 0.00	33.47 0.40 0.00	34.02 0.80 0.00	47.17 1.45 0.00	91.62 3.14 0.00	44.73 1.34 0.00	34.02 0.76 0.00	33.92 0.63 0.00	32.13 0.46 0.00	32.99 0.40 0.00	33.61 0.57 0.00	32.24 0.69 0.00	42.17 1.10 0.00	44.90 1.32 0.00	44.93 1.51 0.00	46.64 1.48 0.00	73.43 2.50 0.00	61.28 2.20 0.00	52.46 1.78 0.00	44.67 1.34 0.00	39.06 0.92 0.00
CAITHNESS_CC_1 323624	33.32 0.69 0.00	34.65 0.66 0.00	34.07 0.32 0.00	32.09 0.05 0.00	33.20 0.13 0.00	33.24 0.03 0.00	46.32 0.60 0.00	90.11 1.63 0.00	43.63 0.25 0.00	33.95 0.69 0.00	34.03 0.75 0.00	32.14 0.47 0.00	32.97 0.40 0.02	33.53 0.48 -0.02	32.43 0.77 -0.11	42.43 1.36 0.00	44.62 1.04 0.00	44.07 0.64 0.00	46.08 0.92 0.00	72.93 2.00 0.00	61.07 1.98 0.00	52.03 1.35 0.00	44.44 1.12 0.00	38.83 0.69 0.00
CALPINE BETH_PAGE_GT4 24209	33.65 1.02 0.00	34.90 0.91 0.00	34.40 0.65 0.00	32.53 0.49 0.00	33.55 0.49 0.00	33.61 0.40 0.00	46.87 1.15 0.00	91.07 2.59 0.00	44.46 1.08 0.00	34.41 1.16 0.00	34.48 1.19 0.00	32.71 1.04 0.00	33.71 1.13 0.00	34.22 1.17 -0.02	33.04 1.38 -0.11	42.82 1.75 0.00	45.29 1.71 0.00	44.81 1.38 0.00	46.81 1.65 0.00	73.90 2.97 0.00	61.69 2.60 0.00	52.75 2.07 0.00	45.05 1.72 0.00	39.38 1.25 0.00
CALPINE_BETH_PAGE_GT_4 323586	33.65 1.02 0.00	34.90 0.91 0.00	34.39 0.64 0.00	32.54 0.49 0.00	33.55 0.49 0.00	33.62 0.41 0.00	46.87 1.15 0.00	91.07 2.59 0.00	44.46 1.08 0.00	34.42 1.16 0.00	34.48 1.19 0.00	32.71 1.04 0.00	33.71 1.13 0.00	34.22 1.16 -0.02	33.04 1.38 -0.11	42.83 1.76 0.00	45.29 1.71 0.00	44.80 1.38 0.00	46.80 1.65 0.00	73.90 2.97 0.00	61.69 2.60 0.00	52.75 2.06 0.00	45.05 1.72 0.00	39.38 1.25 0.00
CALPINE_BP_GT1 23823	33.65 1.02 0.00	34.90 0.91 0.00	34.39 0.64 0.00	32.54 0.49 0.00	33.55 0.49 0.00	33.62 0.41 0.00	46.87 1.15 0.00	91.07 2.59 0.00	44.46 1.08 0.00	34.42 1.16 0.00	34.48 1.19 0.00	32.71 1.04 0.00	33.71 1.13 0.00	34.22 1.16 -0.02	33.04 1.38 -0.11	42.83 1.76 0.00	45.29 1.71 0.00	44.80 1.38 0.00	46.80 1.65 0.00	73.90 2.97 0.00	61.69 2.60 0.00	52.75 2.06 0.00	45.05 1.72 0.00	39.38 1.25 0.00
CALSPAN___DRP 24200	31.72 -0.91 0.00	33.57 -0.43 0.00	33.47 -0.28 0.00	31.78 -0.26 0.00	32.86 -0.21 0.00	32.95 -0.26 0.00	44.23 -1.49 0.00	84.34 -4.14 0.00	41.62 -1.77 0.00	32.13 -1.13 0.00	31.98 -1.30 0.00	30.59 -1.08 0.00	31.38 -1.21 0.00	31.96 -1.09 0.00	30.99 -0.56 0.00	40.20 -0.87 0.00	42.08 -1.50 0.00	41.73 -1.69 0.00	43.18 -1.98 0.00	67.58 -3.35 0.00	55.76 -3.33 0.00	47.81 -2.87 0.00	41.28 -2.04 0.00	36.51 -1.63 0.00



CALVERTON___SOLAR 323806	33.21 0.58 0.00	34.59 0.60 0.00	33.98 0.23 0.00	31.99 -0.06 0.00	33.14 0.08 0.00	33.17 -0.04 0.00	46.23 0.51 0.00	89.94 1.46 0.00	43.40 0.02 0.00	33.83 0.57 0.00	33.88 0.59 0.00	31.97 0.29 0.00	32.73 0.16 0.02	33.30 0.24 -0.02	32.24 0.58 -0.11	42.30 1.23 0.00	44.41 0.82 0.00	43.89 0.47 0.00	45.93 0.77 0.00	72.77 1.85 0.00	61.00 1.91 0.00	51.90 1.21 0.00	44.29 0.96 0.00	38.68 0.54 0.00
CANDIGU_WT_PWR 323617	31.09 -1.54 0.00	32.82 -1.17 0.00	32.71 -1.04 0.00	31.14 -0.90 0.00	32.38 -0.69 0.00	32.64 -0.57 0.00	44.53 -1.19 0.00	85.47 -3.01 0.00	41.91 -1.48 0.00	31.86 -1.39 0.00	31.56 -1.72 0.00	30.21 -1.46 0.00	30.98 -1.60 0.00	31.48 -1.56 0.00	30.45 -1.10 0.00	40.02 -1.06 0.00	41.88 -1.70 0.00	41.55 -1.88 0.00	43.27 -1.89 0.00	68.11 -2.81 0.00	56.22 -2.87 0.00	48.17 -2.52 0.00	41.26 -2.07 0.00	36.08 -2.06 0.00
CARR STREET_E_SYR 24060	31.83 -0.80 0.00	33.22 -0.77 0.00	33.00 -0.75 0.00	31.37 -0.68 0.00	32.37 -0.69 0.00	32.55 -0.66 0.00	44.70 -1.02 0.00	86.38 -2.10 0.00	42.30 -1.09 0.00	32.40 -0.86 0.00	32.43 -0.86 0.00	30.88 -0.79 0.00	31.77 -0.81 0.00	32.28 -0.76 0.00	31.02 -0.53 0.00	40.34 -0.74 0.00	42.55 -1.03 0.00	42.34 -1.08 0.00	44.01 -1.15 0.00	69.13 -1.80 0.00	57.45 -1.64 0.00	49.23 -1.45 0.00	42.11 -1.22 0.00	37.05 -1.09 0.00
CARTHAGE___PAPER 23857	33.09 0.46 0.00	34.77 0.78 0.00	34.32 0.57 0.00	32.56 0.51 0.00	33.60 0.53 0.00	34.40 1.19 0.00	47.74 2.02 0.00	92.92 4.43 0.00	45.20 1.82 0.00	34.31 1.05 0.00	34.17 0.88 0.00	32.20 0.54 0.00	32.92 0.33 0.00	33.71 0.67 0.00	32.40 0.84 0.00	42.58 1.50 0.00	45.26 1.68 0.00	45.45 2.03 0.00	47.16 2.00 0.00	74.42 3.50 0.00	62.26 3.17 0.00	53.23 2.55 0.00	45.27 1.95 0.00	39.53 1.39 0.00
CASSADAGA_WT_PWR 323784	32.06 -0.57 0.00	33.63 -0.36 0.00	33.43 -0.32 0.00	31.58 -0.46 0.00	32.95 -0.12 0.00	33.43 0.21 0.00	45.19 -0.53 0.00	86.96 -1.52 0.00	42.64 -0.75 0.00	33.01 -0.24 0.00	32.79 -0.49 0.00	31.26 -0.40 0.00	31.85 -0.73 0.00	32.74 -0.30 0.00	31.80 0.25 0.00	40.92 -0.16 0.00	42.73 -0.86 0.00	42.62 -0.80 0.00	44.19 -0.97 0.00	69.88 -1.04 0.00	57.72 -1.37 0.00	48.99 -1.69 0.00	41.58 -1.75 0.00	36.43 -1.71 0.00
CE_DUNWOOD___DRP 24194	33.52 0.89 0.00	34.76 0.76 0.00	34.34 0.59 0.00	32.59 0.55 0.00	33.60 0.54 0.00	33.66 0.44 0.00	46.76 1.03 0.00	90.69 2.22 0.00	44.36 0.97 0.00	34.12 0.87 0.00	34.17 0.89 0.00	32.52 0.85 0.00	33.55 0.97 0.00	34.06 1.01 -0.01	32.80 1.16 -0.09	42.40 1.33 0.00	44.90 1.32 0.00	44.73 1.31 0.00	46.65 1.49 0.00	73.43 2.51 0.00	61.15 2.06 0.00	52.35 1.67 0.00	44.68 1.36 0.00	39.20 1.06 0.00
CE_MILLWOOD___DRP 24193	33.43 0.80 0.00	34.67 0.68 0.00	34.27 0.52 0.00	32.54 0.49 0.00	33.54 0.47 0.00	33.59 0.38 0.00	46.65 0.93 0.00	90.47 1.99 0.00	44.23 0.84 0.00	34.00 0.74 0.00	34.03 0.75 0.00	32.39 0.71 0.00	33.40 0.81 0.00	33.91 0.85 -0.01	32.64 1.02 -0.07	42.24 1.17 0.00	44.73 1.15 0.00	44.57 1.14 0.00	46.49 1.33 0.00	73.18 2.25 0.00	60.95 1.86 0.00	52.19 1.51 0.00	44.55 1.22 0.00	39.08 0.94 0.00
CE_NYC2_DRP 24202	33.80 1.17 0.00	35.00 1.01 0.00	34.57 0.83 0.00	32.82 0.77 0.00	33.79 0.72 0.00	33.86 0.65 0.00	47.10 1.38 0.00	91.21 2.73 0.00	44.71 1.32 0.00	34.50 1.24 0.00	34.85 1.30 -0.26	34.01 1.28 -1.05	34.78 1.46 -0.74	35.08 1.50 -0.54	36.20 1.63 -3.02	42.88 1.80 0.00	45.35 1.77 0.00	45.17 1.75 0.00	47.11 1.95 0.00	74.07 3.14 0.00	61.68 2.60 0.00	52.78 2.10 0.00	45.06 1.73 0.00	39.54 1.39 0.00
CE_NYC_DRP 24195	33.65 1.02 0.00	34.85 0.86 0.00	34.43 0.68 0.00	32.68 0.64 0.00	33.69 0.62 0.00	33.73 0.52 0.00	46.92 1.20 0.00	91.01 2.53 0.00	44.54 1.15 0.00	34.34 1.08 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.88 1.29 0.00	34.72 1.34 -0.34	35.37 1.49 -2.34	42.74 1.66 0.00	45.22 1.64 0.00	45.04 1.61 0.00	46.95 1.79 0.00	73.87 2.95 0.00	61.47 2.38 0.00	52.60 1.92 0.00	44.90 1.58 0.00	39.37 1.23 0.00
CHAFFEE___LFGE 323603	32.12 -0.50 0.00	33.87 -0.12 0.00	33.64 -0.11 0.00	32.04 -0.01 0.00	32.96 -0.10 0.00	32.83 -0.38 0.00	44.73 -0.99 0.00	86.25 -2.23 0.00	42.39 -1.00 0.00	32.64 -0.62 0.00	32.38 -0.90 0.00	31.08 -0.59 0.00	32.06 -0.52 0.00	32.67 -0.37 0.00	31.69 0.14 0.00	41.05 -0.03 0.00	42.80 -0.78 0.00	42.33 -1.10 0.00	43.72 -1.44 0.00	68.99 -1.94 0.00	57.05 -2.04 0.00	48.84 -1.84 0.00	42.08 -1.24 0.00	37.06 -1.08 0.00
CHATEAUG_35_KV_LOAD 355732	32.88 0.25 0.00	34.37 0.38 0.00	34.63 0.88 0.00	32.86 0.82 0.00	33.86 0.80 0.00	34.12 0.91 0.00	47.00 1.27 0.00	91.60 3.12 0.00	45.17 1.79 0.00	34.60 1.35 0.00	34.56 1.27 0.00	32.88 1.21 0.00	33.79 1.21 0.00	34.21 1.17 0.00	32.38 0.83 0.00	42.19 1.11 0.00	45.02 1.44 0.00	44.91 1.48 0.00	46.77 1.61 0.00	73.51 2.58 0.00	61.30 2.21 0.00	52.54 1.86 0.00	44.95 1.62 0.00	39.64 1.50 0.00
CHATEAUG_WT_PWR 323614	32.74 0.11 0.00	34.24 0.25 0.00	34.51 0.76 0.00	32.75 0.70 0.00	33.75 0.69 0.00	34.00 0.79 0.00	46.86 1.14 0.00	91.30 2.82 0.00	45.03 1.65 0.00	34.51 1.25 0.00	34.53 1.25 0.00	32.90 1.23 0.00	33.82 1.23 0.00	34.24 1.20 0.00	32.45 0.90 0.00	42.27 1.20 0.00	45.04 1.46 0.00	44.85 1.43 0.00	46.68 1.52 0.00	73.30 2.38 0.00	61.08 2.00 0.00	52.34 1.66 0.00	44.79 1.46 0.00	39.50 1.37 0.00
CHAT_HIGH_FALL_HYD 323578	32.88 0.25 0.00	34.37 0.38 0.00	34.63 0.88 0.00	32.86 0.82 0.00	33.86 0.80 0.00	34.12 0.91 0.00	47.00 1.27 0.00	91.60 3.12 0.00	45.17 1.79 0.00	34.60 1.35 0.00	34.56 1.27 0.00	32.88 1.21 0.00	33.79 1.21 0.00	34.21 1.17 0.00	32.38 0.83 0.00	42.19 1.11 0.00	45.02 1.44 0.00	44.91 1.48 0.00	46.77 1.61 0.00	73.51 2.58 0.00	61.30 2.21 0.00	52.54 1.86 0.00	44.95 1.62 0.00	39.64 1.50 0.00
CHAUTAUQUA___LFGE 323629	31.91 -0.72 0.00	33.49 -0.50 0.00	33.30 -0.45 0.00	31.54 -0.50 0.00	32.74 -0.33 0.00	33.15 -0.06 0.00	44.79 -0.93 0.00	85.99 -2.49 0.00	42.26 -1.13 0.00	32.60 -0.65 0.00	32.37 -0.91 0.00	30.88 -0.79 0.00	31.55 -1.03 0.00	32.32 -0.72 0.00	31.40 -0.15 0.00	40.57 -0.50 0.00	42.40 -1.18 0.00	42.28 -1.14 0.00	43.81 -1.35 0.00	69.19 -1.74 0.00	57.13 -1.96 0.00	48.61 -2.07 0.00	41.52 -1.81 0.00	36.46 -1.68 0.00
CHERRYST_13_KV_LD 356241	33.73 1.11 0.00	34.95 0.96 0.00	34.52 0.77 0.00	32.77 0.73 0.00	33.78 0.71 0.00	33.83 0.62 0.00	47.07 1.35 0.00	91.29 2.81 0.00	44.69 1.30 0.00	34.46 1.20 0.00	34.54 1.26 0.00	32.91 1.25 0.00	33.99 1.41 0.00	34.85 1.46 -0.34	35.50 1.60 -2.35	42.89 1.81 0.00	45.38 1.80 0.00	45.20 1.78 0.00	47.10 1.94 0.00	74.09 3.17 0.00	61.64 2.55 0.00	52.75 2.07 0.00	45.02 1.69 0.00	39.46 1.33 0.00



CHESTROR_138KV_BK263 355645	33.23 0.60 0.00	34.48 0.49 0.00	34.11 0.36 0.00	32.40 0.36 0.00	33.41 0.35 0.00	33.49 0.28 0.00	46.42 0.70 0.00	89.97 1.49 0.00	43.99 0.60 0.00	33.75 0.49 0.00	33.71 0.43 0.00	32.07 0.40 0.00	33.05 0.46 0.00	33.54 0.50 0.00	32.26 0.72 0.00	41.90 0.83 0.00	44.41 0.82 0.00	44.25 0.82 0.00	46.13 0.98 0.00	72.61 1.69 0.00	60.49 1.40 0.00	51.81 1.13 0.00	44.24 0.91 0.00	38.82 0.68 0.00
CH_MIDHUDSON___DRP 24192	33.53 0.91 0.00	34.79 0.80 0.00	34.40 0.65 0.00	32.66 0.61 0.00	33.67 0.60 0.00	33.74 0.52 0.00	46.83 1.11 0.00	90.84 2.36 0.00	45.04 1.66 0.00	34.48 1.22 0.00	34.41 1.12 0.00	32.66 0.99 0.00	33.59 1.01 0.00	33.85 0.81 0.00	32.45 0.90 0.00	42.09 1.01 0.00	44.69 1.11 0.00	44.56 1.13 0.00	46.47 1.31 0.00	73.16 2.23 0.00	60.96 1.87 0.00	52.22 1.53 0.00	44.55 1.22 0.00	39.19 1.06 0.00
CH_MISC_IPPS 23765	33.69 1.06 0.00	34.94 0.95 0.00	34.54 0.79 0.00	32.80 0.75 0.00	33.83 0.77 0.00	33.93 0.71 0.00	47.11 1.39 0.00	91.36 2.88 0.00	44.95 1.57 0.00	34.44 1.18 0.00	34.36 1.07 0.00	32.59 0.92 0.00	33.53 0.95 0.00	33.94 0.91 0.00	32.43 0.88 0.00	41.91 0.84 0.00	44.46 0.88 0.00	44.32 0.90 0.00	46.24 1.08 0.00	72.81 1.89 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.42 1.09 0.00	39.23 1.09 0.00
CH_RES_BVR_FALLS 23983	32.76 0.13 0.00	34.14 0.15 0.00	34.02 0.28 0.00	32.19 0.14 0.00	33.20 0.13 0.00	33.44 0.23 0.00	45.95 0.23 0.00	89.16 0.68 0.00	43.92 0.53 0.00	33.75 0.49 0.00	33.78 0.49 0.00	32.13 0.46 0.00	33.06 0.47 0.00	33.52 0.48 0.00	31.80 0.25 0.00	41.39 0.32 0.00	44.03 0.45 0.00	43.87 0.44 0.00	45.53 0.37 0.00	71.47 0.55 0.00	59.68 0.59 0.00	51.15 0.46 0.00	43.60 0.28 0.00	38.36 0.23 0.00
CH_RES_NIAGARA 23895	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.34 0.00	31.80 -1.41 0.00	42.38 -3.34 0.00	80.47 -8.01 0.00	39.76 -3.63 0.00	30.72 -2.53 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.09 -2.49 0.00	30.65 -2.40 0.00	29.70 -1.85 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	39.96 -3.46 0.00	41.32 -3.84 0.00	64.48 -6.44 0.00	53.14 -5.95 0.00	45.66 -5.03 0.00	39.54 -3.79 0.00	35.14 -3.00 0.00
CH_RES_SYRACUSE 23985	32.01 -0.62 0.00	33.39 -0.60 0.00	33.17 -0.58 0.00	31.53 -0.52 0.00	32.54 -0.53 0.00	32.73 -0.48 0.00	44.98 -0.74 0.00	86.89 -1.59 0.00	42.55 -0.84 0.00	32.55 -0.70 0.00	32.58 -0.71 0.00	31.01 -0.66 0.00	31.89 -0.69 0.00	32.42 -0.62 0.00	31.14 -0.41 0.00	40.53 -0.54 0.00	42.78 -0.80 0.00	42.58 -0.85 0.00	44.28 -0.88 0.00	69.59 -1.34 0.00	57.81 -1.28 0.00	49.56 -1.12 0.00	42.39 -0.94 0.00	37.28 -0.86 0.00
CLINTON_WT_PWR 323605	32.74 0.11 0.00	34.24 0.25 0.00	34.51 0.76 0.00	32.75 0.70 0.00	33.75 0.69 0.00	34.00 0.79 0.00	46.86 1.14 0.00	91.30 2.82 0.00	45.03 1.65 0.00	34.51 1.25 0.00	34.53 1.25 0.00	32.90 1.23 0.00	33.82 1.23 0.00	34.24 1.20 0.00	32.45 0.90 0.00	42.27 1.20 0.00	45.04 1.46 0.00	44.85 1.43 0.00	46.68 1.52 0.00	73.30 2.38 0.00	61.08 2.00 0.00	52.34 1.66 0.00	44.79 1.46 0.00	39.50 1.37 0.00
CLINTON___LFGE 323618	33.02 0.39 0.00	34.56 0.57 0.00	35.05 1.30 0.00	33.34 1.30 0.00	34.36 1.29 0.00	34.66 1.45 0.00	47.91 2.20 0.00	93.62 5.14 0.00	46.18 2.79 0.00	35.24 1.98 0.00	35.25 1.96 0.00	33.67 2.00 0.00	34.56 1.97 0.00	34.93 1.89 0.00	33.24 1.69 0.00	43.35 2.28 0.00	46.24 2.66 0.00	46.01 2.59 0.00	48.04 2.88 0.00	75.51 4.58 0.00	62.83 3.74 0.00	53.72 3.03 0.00	45.91 2.59 0.00	40.50 2.36 0.00
COBBLENY_34_KV_TB1 80064	32.12 -0.51 0.00	33.87 -0.12 0.00	33.64 -0.11 0.00	32.04 -0.01 0.00	32.97 -0.10 0.00	32.84 -0.37 0.00	44.74 -0.98 0.00	86.25 -2.23 0.00	42.39 -1.00 0.00	32.64 -0.61 0.00	32.38 -0.90 0.00	31.07 -0.60 0.00	32.05 -0.53 0.00	32.67 -0.38 0.00	31.69 0.14 0.00	41.04 -0.04 0.00	42.79 -0.79 0.00	42.30 -1.13 0.00	43.71 -1.45 0.00	68.99 -1.94 0.00	57.05 -2.04 0.00	48.84 -1.84 0.00	42.08 -1.24 0.00	37.05 -1.09 0.00
COFFEEN___115KV_TB3 355620	33.01 0.39 0.00	34.72 0.73 0.00	34.21 0.46 0.00	32.47 0.43 0.00	33.53 0.47 0.00	34.35 1.14 0.00	47.72 2.00 0.00	92.90 4.42 0.00	45.08 1.69 0.00	34.16 0.90 0.00	34.07 0.78 0.00	32.00 0.34 0.00	32.64 0.05 0.00	33.50 0.46 0.00	32.37 0.82 0.00	42.55 1.47 0.00	45.12 1.54 0.00	45.40 1.97 0.00	47.15 2.00 0.00	74.48 3.55 0.00	62.30 3.22 0.00	53.23 2.55 0.00	45.27 1.94 0.00	39.49 1.36 0.00
COLDSPRG_115KV_BK1 355956	32.66 0.04 0.00	34.37 0.38 0.00	34.16 0.41 0.00	32.42 0.38 0.00	33.59 0.53 0.00	33.81 0.60 0.00	45.93 0.20 0.00	88.47 -0.01 0.00	43.45 0.06 0.00	33.53 0.27 0.00	33.25 -0.04 0.00	31.78 0.11 0.00	32.57 -0.01 0.00	33.35 0.31 0.00	32.37 0.82 0.00	41.80 0.73 0.00	43.63 0.05 0.00	43.30 -0.13 0.00	44.86 -0.30 0.00	70.86 -0.06 0.00	58.48 -0.61 0.00	49.88 -0.81 0.00	42.69 -0.64 0.00	37.47 -0.66 0.00
COLONIE_LFGE___ 323577	33.38 0.75 0.00	34.70 0.71 0.00	34.29 0.54 0.00	32.59 0.55 0.00	33.72 0.66 0.00	33.81 0.59 0.00	46.71 0.98 0.00	90.10 1.62 0.00	44.10 0.71 0.00	33.66 0.40 0.00	33.73 0.45 0.00	32.03 0.36 0.00	32.94 0.36 0.00	33.29 0.24 0.00	31.97 0.42 0.00	41.70 0.63 0.00	44.47 0.89 0.00	44.43 1.00 0.00	46.26 1.10 0.00	72.65 1.73 0.00	60.67 1.58 0.00	52.07 1.38 0.00	44.45 1.13 0.00	39.20 1.06 0.00
COOPERNY_115KV_TB1 80082	33.00 0.37 0.00	34.30 0.30 0.00	33.96 0.21 0.00	32.27 0.22 0.00	33.28 0.21 0.00	33.37 0.16 0.00	46.18 0.46 0.00	89.44 0.96 0.00	43.74 0.36 0.00	33.55 0.29 0.00	33.52 0.24 0.00	31.90 0.23 0.00	32.86 0.28 0.00	33.35 0.31 0.00	32.04 0.49 0.00	41.66 0.59 0.00	44.14 0.56 0.00	43.98 0.56 0.00	45.82 0.66 0.00	72.08 1.16 0.00	60.03 0.94 0.00	51.44 0.76 0.00	43.95 0.62 0.00	38.58 0.45 0.00
COPENHAGEN_WT_PWR 323753	32.49 -0.14 0.00	34.20 0.21 0.00	33.67 -0.08 0.00	31.96 -0.09 0.00	32.97 -0.09 0.00	33.84 0.62 0.00	46.98 1.26 0.00	91.41 2.93 0.00	44.48 1.09 0.00	33.82 0.56 0.00	33.75 0.47 0.00	31.81 0.14 0.00	32.49 -0.09 0.00	33.29 0.25 0.00	32.10 0.55 0.00	42.12 1.04 0.00	44.65 1.07 0.00	44.83 1.41 0.00	46.46 1.30 0.00	73.28 2.35 0.00	61.39 2.30 0.00	52.49 1.80 0.00	44.66 1.34 0.00	39.02 0.87 0.00
CORNELL_____ 23752	32.55 -0.08 0.00	33.99 0.00 0.00	33.80 0.05 0.00	32.18 0.14 0.00	33.25 0.19 0.00	33.49 0.27 0.00	46.16 0.43 0.00	89.35 0.87 0.00	43.69 0.30 0.00	33.23 -0.03 0.00	32.99 -0.29 0.00	31.28 -0.39 0.00	32.13 -0.45 0.00	32.68 -0.36 0.00	31.47 -0.08 0.00	41.32 0.24 0.00	43.93 0.35 0.00	43.78 0.35 0.00	45.57 0.41 0.00	71.69 0.77 0.00	59.47 0.38 0.00	50.94 0.26 0.00	43.51 0.19 0.00	38.19 0.05 0.00



CORONA_69_KV_TB1 355595	33.85 1.22 0.00	35.09 1.10 0.00	34.60 0.85 0.00	32.77 0.72 0.00	33.77 0.70 0.00	33.83 0.62 0.00	47.09 1.37 0.00	91.43 2.95 0.00	44.67 1.28 0.00	34.51 1.25 0.00	34.59 1.31 0.00	32.85 1.18 0.00	33.91 1.33 0.00	34.39 1.33 -0.02	33.19 1.53 -0.11	42.94 1.87 0.00	45.43 1.85 0.00	45.07 1.64 0.00	47.03 1.87 0.00	74.21 3.28 0.00	61.89 2.80 0.00	52.99 2.31 0.00	45.27 1.95 0.00	39.60 1.46 0.00
CORTLAND_115KV_TB3 80093	32.42 -0.21 0.00	33.83 -0.16 0.00	33.61 -0.14 0.00	31.96 -0.08 0.00	33.00 -0.07 0.00	33.22 0.01 0.00	45.79 0.06 0.00	88.60 0.12 0.00	43.35 -0.03 0.00	33.08 -0.17 0.00	32.95 -0.34 0.00	31.32 -0.35 0.00	32.23 -0.35 0.00	32.75 -0.29 0.00	31.50 -0.05 0.00	41.11 0.03 0.00	43.57 -0.01 0.00	43.43 0.01 0.00	45.17 0.02 0.00	71.05 0.13 0.00	59.02 -0.07 0.00	50.55 -0.13 0.00	43.19 -0.14 0.00	37.93 -0.20 0.00
COXSACKIE___GT 23611	34.55 1.93 0.00	35.94 1.95 0.00	35.56 1.81 0.00	33.81 1.77 0.00	35.00 1.93 0.00	35.23 2.02 0.00	48.84 3.11 0.00	94.64 6.16 0.00	46.25 2.86 0.00	34.98 1.73 0.00	34.55 1.26 0.00	32.57 0.90 0.00	33.40 0.81 0.00	33.73 0.69 0.00	32.12 0.57 0.00	42.06 0.98 0.00	45.26 1.68 0.00	46.05 2.62 0.00	48.02 2.86 0.00	75.39 4.46 0.00	62.67 3.58 0.00	53.67 2.99 0.00	45.76 2.43 0.00	40.29 2.15 0.00
CPV_VALLEY___CC1 323721	33.02 0.39 0.00	34.28 0.29 0.00	33.91 0.16 0.00	32.21 0.16 0.00	33.21 0.15 0.00	33.30 0.08 0.00	46.12 0.40 0.00	89.35 0.87 0.00	43.71 0.33 0.00	33.55 0.29 0.00	33.55 0.26 0.00	31.91 0.24 0.00	32.88 0.29 0.00	33.37 0.33 0.00	32.07 0.52 0.00	41.65 0.57 0.00	44.10 0.52 0.00	43.94 0.52 0.00	45.81 0.65 0.00	72.09 1.16 0.00	60.03 0.94 0.00	51.44 0.75 0.00	43.94 0.62 0.00	38.57 0.43 0.00
CPV_VALLEY___CC2 323722	33.02 0.39 0.00	34.28 0.29 0.00	33.91 0.16 0.00	32.21 0.16 0.00	33.21 0.15 0.00	33.30 0.08 0.00	46.12 0.40 0.00	89.35 0.87 0.00	43.71 0.33 0.00	33.55 0.29 0.00	33.55 0.26 0.00	31.91 0.24 0.00	32.88 0.29 0.00	33.37 0.33 0.00	32.07 0.52 0.00	41.65 0.57 0.00	44.10 0.52 0.00	43.94 0.52 0.00	45.81 0.65 0.00	72.09 1.16 0.00	60.03 0.94 0.00	51.44 0.75 0.00	43.94 0.62 0.00	38.57 0.43 0.00
CRESCENT___HYD 24018	33.38 0.75 0.00	34.70 0.71 0.00	34.29 0.54 0.00	32.59 0.55 0.00	33.72 0.66 0.00	33.81 0.59 0.00	46.71 0.98 0.00	90.10 1.62 0.00	44.10 0.71 0.00	33.66 0.40 0.00	33.73 0.45 0.00	32.03 0.36 0.00	32.94 0.36 0.00	33.29 0.24 0.00	31.97 0.42 0.00	41.70 0.63 0.00	44.47 0.89 0.00	44.43 1.00 0.00	46.26 1.10 0.00	72.65 1.73 0.00	60.67 1.58 0.00	52.07 1.38 0.00	44.45 1.13 0.00	39.20 1.06 0.00
CRICKET___VALLEY_CC1 323756	33.23 0.60 0.00	34.47 0.48 0.00	34.06 0.31 0.00	32.34 0.29 0.00	33.32 0.25 0.00	33.33 0.12 0.00	46.22 0.50 0.00	89.43 0.95 0.00	43.71 0.32 0.00	33.57 0.31 0.00	33.69 0.40 0.00	32.09 0.42 0.00	33.03 0.45 0.00	33.42 0.38 0.00	32.07 0.52 0.00	41.59 0.52 0.00	44.22 0.64 0.00	44.10 0.68 0.00	46.01 0.85 0.00	72.41 1.49 0.00	60.35 1.27 0.00	51.70 1.02 0.00	44.13 0.80 0.00	38.81 0.67 0.00
CRICKET___VALLEY_CC2 323757	33.23 0.60 0.00	34.47 0.48 0.00	34.06 0.31 0.00	32.34 0.29 0.00	33.32 0.25 0.00	33.33 0.12 0.00	46.22 0.50 0.00	89.43 0.95 0.00	43.71 0.32 0.00	33.57 0.31 0.00	33.69 0.40 0.00	32.09 0.42 0.00	33.03 0.45 0.00	33.42 0.38 0.00	32.07 0.52 0.00	41.59 0.52 0.00	44.22 0.64 0.00	44.10 0.68 0.00	46.01 0.85 0.00	72.41 1.49 0.00	60.35 1.27 0.00	51.70 1.02 0.00	44.13 0.80 0.00	38.81 0.67 0.00
CRICKET___VALLEY_CC3 323758	33.23 0.60 0.00	34.47 0.48 0.00	34.06 0.31 0.00	32.34 0.29 0.00	33.32 0.25 0.00	33.33 0.12 0.00	46.22 0.50 0.00	89.43 0.95 0.00	43.71 0.32 0.00	33.57 0.31 0.00	33.69 0.40 0.00	32.09 0.42 0.00	33.03 0.45 0.00	33.42 0.38 0.00	32.07 0.52 0.00	41.59 0.52 0.00	44.22 0.64 0.00	44.10 0.68 0.00	46.01 0.85 0.00	72.41 1.49 0.00	60.35 1.27 0.00	51.70 1.02 0.00	44.13 0.80 0.00	38.81 0.67 0.00
CRUCIBLE_METL_DRP 24180	32.01 -0.62 0.00	33.39 -0.60 0.00	33.17 -0.58 0.00	31.53 -0.52 0.00	32.54 -0.53 0.00	32.73 -0.48 0.00	44.98 -0.74 0.00	86.88 -1.60 0.00	42.55 -0.84 0.00	32.56 -0.70 0.00	32.58 -0.71 0.00	31.01 -0.66 0.00	31.89 -0.69 0.00	32.42 -0.62 0.00	31.14 -0.40 0.00	40.53 -0.54 0.00	42.78 -0.80 0.00	42.58 -0.85 0.00	44.28 -0.88 0.00	69.59 -1.34 0.00	57.81 -1.28 0.00	49.57 -1.12 0.00	42.39 -0.94 0.00	37.28 -0.86 0.00
DAHOWA___HYDRO 323763	33.78 1.16 0.00	35.13 1.14 0.00	34.75 1.00 0.00	33.03 0.99 0.00	34.18 1.11 0.00	34.38 1.16 0.00	47.63 1.91 0.00	91.86 3.38 0.00	44.80 1.42 0.00	34.00 0.74 0.00	33.91 0.62 0.00	32.26 0.58 0.00	33.25 0.67 0.00	33.59 0.55 0.00	32.42 0.88 0.00	42.38 1.31 0.00	45.36 1.78 0.00	45.38 1.96 0.00	47.32 2.16 0.00	74.37 3.45 0.00	62.08 2.99 0.00	53.22 2.54 0.00	45.36 2.04 0.00	39.90 1.76 0.00
DANC___LFGE 323619	32.16 -0.47 0.00	33.74 -0.25 0.00	33.32 -0.43 0.00	31.64 -0.41 0.00	32.64 -0.43 0.00	33.25 0.03 0.00	45.92 0.20 0.00	89.16 0.68 0.00	43.47 0.08 0.00	33.15 -0.10 0.00	33.13 -0.16 0.00	31.34 -0.32 0.00	32.10 -0.49 0.00	32.79 -0.25 0.00	31.58 0.03 0.00	41.27 0.20 0.00	43.65 0.07 0.00	43.71 0.28 0.00	45.35 0.19 0.00	71.44 0.51 0.00	59.69 0.60 0.00	51.11 0.42 0.00	43.58 0.25 0.00	38.16 0.03 0.00
DANSKAMMER___1 23586	33.69 1.06 0.00	34.94 0.95 0.00	34.54 0.79 0.00	32.80 0.75 0.00	33.83 0.77 0.00	33.93 0.71 0.00	47.11 1.39 0.00	91.36 2.88 0.00	44.95 1.57 0.00	34.44 1.18 0.00	34.36 1.07 0.00	32.59 0.92 0.00	33.53 0.95 0.00	33.94 0.91 0.00	32.43 0.88 0.00	41.91 0.84 0.00	44.46 0.88 0.00	44.32 0.90 0.00	46.24 1.08 0.00	72.81 1.89 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.42 1.09 0.00	39.23 1.09 0.00
DANSKAMMER___2 23589	33.69 1.06 0.00	34.94 0.95 0.00	34.54 0.79 0.00	32.80 0.75 0.00	33.83 0.77 0.00	33.93 0.71 0.00	47.11 1.39 0.00	91.36 2.88 0.00	44.95 1.57 0.00	34.44 1.18 0.00	34.36 1.07 0.00	32.59 0.92 0.00	33.53 0.95 0.00	33.94 0.91 0.00	32.43 0.88 0.00	41.91 0.84 0.00	44.46 0.88 0.00	44.32 0.90 0.00	46.24 1.08 0.00	72.81 1.89 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.42 1.09 0.00	39.23 1.09 0.00
DANSKAMMER___3 23590	33.69 1.06 0.00	34.94 0.95 0.00	34.54 0.79 0.00	32.80 0.75 0.00	33.83 0.77 0.00	33.93 0.71 0.00	47.11 1.39 0.00	91.36 2.88 0.00	44.95 1.57 0.00	34.44 1.18 0.00	34.36 1.07 0.00	32.59 0.92 0.00	33.53 0.95 0.00	33.94 0.91 0.00	32.43 0.88 0.00	41.91 0.84 0.00	44.46 0.88 0.00	44.32 0.90 0.00	46.24 1.08 0.00	72.81 1.89 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.42 1.09 0.00	39.23 1.09 0.00



DANSKAMMER___4 23591	33.69 1.06 0.00	34.94 0.95 0.00	34.54 0.79 0.00	32.80 0.75 0.00	33.83 0.77 0.00	33.93 0.71 0.00	47.11 1.39 0.00	91.36 2.88 0.00	44.95 1.57 0.00	34.44 1.18 0.00	34.36 1.07 0.00	32.59 0.92 0.00	33.53 0.95 0.00	33.94 0.91 0.00	32.43 0.88 0.00	41.91 0.84 0.00	44.46 0.88 0.00	44.32 0.90 0.00	46.24 1.08 0.00	72.81 1.89 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.42 1.09 0.00	39.23 1.09 0.00
DANSKAMMER___DIESEL 23592	33.69 1.06 0.00	34.94 0.95 0.00	34.54 0.79 0.00	32.80 0.76 0.00	33.83 0.77 0.00	33.92 0.71 0.00	47.10 1.39 0.00	91.36 2.88 0.00	44.96 1.57 0.00	34.43 1.18 0.00	34.36 1.07 0.00	32.59 0.92 0.00	33.54 0.96 0.00	33.95 0.91 0.00	32.42 0.87 0.00	41.91 0.84 0.00	44.47 0.89 0.00	44.33 0.90 0.00	46.24 1.08 0.00	72.82 1.89 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.42 1.09 0.00	39.23 1.09 0.00
DARBY___SOLAR 323810	33.66 1.03 0.00	35.01 1.02 0.00	34.64 0.89 0.00	32.92 0.87 0.00	34.06 0.99 0.00	34.24 1.02 0.00	47.39 1.67 0.00	91.43 2.95 0.00	44.60 1.22 0.00	33.87 0.61 0.00	33.80 0.51 0.00	32.14 0.47 0.00	33.13 0.54 0.00	33.47 0.43 0.00	32.27 0.72 0.00	42.18 1.10 0.00	45.12 1.54 0.00	45.13 1.70 0.00	47.05 1.89 0.00	73.92 2.99 0.00	61.71 2.62 0.00	52.91 2.23 0.00	45.13 1.80 0.00	39.71 1.57 0.00
DASHVILLE___HYD 23610	33.50 0.88 0.00	34.77 0.78 0.00	34.39 0.64 0.00	32.65 0.61 0.00	33.68 0.61 0.00	33.76 0.54 0.00	46.85 1.13 0.00	90.85 2.37 0.00	44.60 1.22 0.00	34.17 0.91 0.00	34.12 0.83 0.00	32.42 0.75 0.00	33.37 0.78 0.00	33.81 0.77 0.00	32.44 0.89 0.00	42.07 0.99 0.00	44.78 1.19 0.00	44.71 1.29 0.00	46.61 1.45 0.00	73.37 2.44 0.00	61.11 2.02 0.00	52.33 1.65 0.00	44.66 1.33 0.00	39.26 1.12 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	33.02 0.39 0.00	34.63 0.64 0.00	34.04 0.29 0.00	31.88 -0.16 0.00	33.15 0.08 0.00	33.21 0.00 0.00	46.23 0.50 0.00	89.95 1.47 0.00	43.17 -0.21 0.00	33.66 0.41 0.00	33.82 0.53 0.00	31.90 0.23 0.00	32.79 0.22 0.02	33.45 0.39 -0.02	32.40 0.74 -0.11	42.52 1.44 0.00	44.66 1.08 0.00	44.23 0.81 0.00	46.23 1.07 0.00	73.34 2.42 0.00	61.34 2.25 0.00	52.20 1.51 0.00	44.39 1.06 0.00	38.81 0.67 0.00
DELAWARE___LFGE 323621	33.06 0.43 0.00	34.43 0.44 0.00	34.20 0.45 0.00	32.53 0.49 0.00	33.57 0.50 0.00	33.74 0.52 0.00	46.63 0.91 0.00	90.33 1.85 0.00	44.17 0.79 0.00	33.82 0.56 0.00	33.78 0.50 0.00	32.15 0.47 0.00	33.08 0.50 0.00	33.59 0.54 0.00	32.23 0.68 0.00	41.93 0.86 0.00	44.47 0.89 0.00	44.32 0.90 0.00	46.10 0.94 0.00	72.45 1.52 0.00	60.26 1.17 0.00	51.66 0.98 0.00	44.16 0.83 0.00	38.78 0.64 0.00
DERFIELD_115KV_TB7 355931	32.65 0.02 0.00	34.00 0.01 0.00	33.72 -0.03 0.00	32.02 -0.03 0.00	33.06 -0.01 0.00	33.21 0.00 0.00	45.84 0.12 0.00	88.72 0.24 0.00	43.44 0.05 0.00	33.25 -0.01 0.00	33.26 -0.03 0.00	31.63 -0.04 0.00	32.55 -0.03 0.00	32.99 -0.05 0.00	31.57 0.02 0.00	41.13 0.06 0.00	43.66 0.08 0.00	43.54 0.11 0.00	45.29 0.14 0.00	71.15 0.22 0.00	59.27 0.18 0.00	50.83 0.14 0.00	43.40 0.08 0.00	38.18 0.04 0.00
DOGLEVILLE___HYD 23807	32.17 -0.45 0.00	33.41 -0.58 0.00	33.15 -0.60 0.00	31.62 -0.42 0.00	32.65 -0.41 0.00	32.81 -0.40 0.00	45.68 -0.04 0.00	88.44 -0.04 0.00	42.81 -0.58 0.00	32.14 -1.12 0.00	32.07 -1.21 0.00	30.53 -1.15 0.00	31.42 -1.16 0.00	31.83 -1.21 0.00	30.63 -0.92 0.00	40.15 -0.93 0.00	43.11 -0.48 0.00	43.34 -0.08 0.00	45.32 0.16 0.00	71.23 0.31 0.00	59.19 0.10 0.00	50.67 -0.01 0.00	43.18 -0.15 0.00	37.92 -0.21 0.00
DUNKIRK___115KV_TB_200 55889	31.87 -0.76 0.00	33.47 -0.52 0.00	33.28 -0.47 0.00	31.55 -0.50 0.00	32.73 -0.34 0.00	33.11 -0.10 0.00	44.75 -0.97 0.00	85.89 -2.59 0.00	42.22 -1.17 0.00	32.56 -0.70 0.00	32.33 -0.96 0.00	30.85 -0.82 0.00	31.54 -1.04 0.00	32.28 -0.76 0.00	31.35 -0.20 0.00	40.53 -0.54 0.00	42.36 -1.22 0.00	42.22 -1.20 0.00	43.75 -1.41 0.00	69.08 -1.85 0.00	57.05 -2.04 0.00	48.57 -2.11 0.00	41.52 -1.81 0.00	36.47 -1.67 0.00
DUNKIRK___1 23563	31.87 -0.76 0.00	33.47 -0.52 0.00	33.28 -0.47 0.00	31.55 -0.50 0.00	32.73 -0.34 0.00	33.11 -0.10 0.00	44.75 -0.97 0.00	85.89 -2.59 0.00	42.22 -1.17 0.00	32.56 -0.70 0.00	32.33 -0.96 0.00	30.85 -0.82 0.00	31.54 -1.04 0.00	32.28 -0.76 0.00	31.35 -0.20 0.00	40.53 -0.54 0.00	42.36 -1.22 0.00	42.22 -1.20 0.00	43.75 -1.41 0.00	69.08 -1.85 0.00	57.05 -2.04 0.00	48.57 -2.11 0.00	41.52 -1.81 0.00	36.47 -1.67 0.00
DUNKIRK___2 23564	31.87 -0.76 0.00	33.47 -0.52 0.00	33.28 -0.47 0.00	31.55 -0.50 0.00	32.73 -0.34 0.00	33.11 -0.10 0.00	44.75 -0.97 0.00	85.89 -2.59 0.00	42.22 -1.17 0.00	32.56 -0.70 0.00	32.33 -0.96 0.00	30.85 -0.82 0.00	31.54 -1.04 0.00	32.28 -0.76 0.00	31.35 -0.20 0.00	40.53 -0.54 0.00	42.36 -1.22 0.00	42.22 -1.20 0.00	43.75 -1.41 0.00	69.08 -1.85 0.00	57.05 -2.04 0.00	48.57 -2.11 0.00	41.52 -1.81 0.00	36.47 -1.67 0.00
DUNKIRK___3 23565	31.77 -0.86 0.00	33.40 -0.59 0.00	33.23 -0.52 0.00	31.52 -0.52 0.00	32.65 -0.41 0.00	32.96 -0.25 0.00	44.53 -1.19 0.00	85.36 -3.12 0.00	41.99 -1.40 0.00	32.39 -0.87 0.00	32.17 -1.11 0.00	30.72 -0.95 0.00	31.45 -1.13 0.00	32.15 -0.89 0.00	31.20 -0.34 0.00	40.37 -0.70 0.00	42.20 -1.38 0.00	42.01 -1.41 0.00	43.52 -1.64 0.00	68.61 -2.32 0.00	56.65 -2.44 0.00	48.33 -2.35 0.00	41.41 -1.92 0.00	36.42 -1.72 0.00
DUNKIRK___4 23566	31.77 -0.86 0.00	33.40 -0.59 0.00	33.23 -0.52 0.00	31.52 -0.52 0.00	32.65 -0.41 0.00	32.96 -0.25 0.00	44.53 -1.19 0.00	85.36 -3.12 0.00	41.99 -1.40 0.00	32.39 -0.87 0.00	32.17 -1.11 0.00	30.72 -0.95 0.00	31.45 -1.13 0.00	32.15 -0.89 0.00	31.20 -0.34 0.00	40.37 -0.70 0.00	42.20 -1.38 0.00	42.01 -1.41 0.00	43.52 -1.64 0.00	68.61 -2.32 0.00	56.65 -2.44 0.00	48.33 -2.35 0.00	41.41 -1.92 0.00	36.42 -1.72 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	33.59 0.96 0.00	34.83 0.84 0.00	34.41 0.66 0.00	32.66 0.62 0.00	33.67 0.61 0.00	33.72 0.51 0.00	46.85 1.13 0.00	90.83 2.35 0.00	44.43 1.05 0.00	34.20 0.94 0.00	34.27 0.98 0.00	32.61 0.94 0.00	33.66 1.07 0.00	34.15 1.11 0.00	32.81 1.26 0.00	42.51 1.43 0.00	45.01 1.43 0.00	44.83 1.40 0.00	46.74 1.58 0.00	73.58 2.65 0.00	61.27 2.18 0.00	52.46 1.78 0.00	44.77 1.44 0.00	39.28 1.14 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	33.43 0.80 0.00	34.69 0.70 0.00	34.30 0.55 0.00	32.58 0.53 0.00	33.60 0.53 0.00	33.67 0.46 0.00	46.74 1.02 0.00	90.64 2.16 0.00	44.44 1.06 0.00	34.06 0.80 0.00	34.00 0.71 0.00	32.30 0.63 0.00	33.27 0.69 0.00	33.72 0.68 0.00	32.36 0.81 0.00	41.99 0.91 0.00	44.53 0.94 0.00	44.38 0.95 0.00	46.29 1.13 0.00	72.89 1.96 0.00	60.74 1.64 0.00	52.02 1.34 0.00	44.41 1.08 0.00	39.04 0.90 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	33.73 1.11 0.00	34.93 0.94 0.00	34.55 0.80 0.00	32.76 0.72 0.00	33.72 0.65 0.00	33.79 0.57 0.00	47.02 1.30 0.00	90.86 2.38 0.00	44.57 1.18 0.00	34.35 1.09 0.00	34.38 1.09 0.00	32.73 1.07 0.00	33.82 1.23 0.00	34.67 1.26 -0.36	35.43 1.40 -2.48	42.64 1.57 0.00	45.16 1.58 0.00	44.99 1.56 0.00	46.93 1.77 0.00	73.74 2.82 0.00	61.48 2.39 0.00	52.63 1.94 0.00	44.93 1.60 0.00	39.43 1.29 0.00
E179THST_13_KV_LOAD 356214	33.86 1.23 0.00	35.06 1.07 0.00	34.65 0.90 0.00	32.86 0.82 0.00	33.82 0.75 0.00	33.90 0.69 0.00	47.19 1.47 0.00	91.22 2.73 0.00	44.75 1.37 0.00	34.50 1.24 0.00	34.51 1.23 0.00	32.87 1.20 0.00	33.96 1.37 0.00	34.81 1.41 -0.36	35.57 1.54 -2.48	42.83 1.75 0.00	45.36 1.78 0.00	45.18 1.76 0.00	47.13 1.97 0.00	74.08 3.16 0.00	61.75 2.66 0.00	52.87 2.19 0.00	45.11 1.79 0.00	39.58 1.44 0.00
EAST HAMPTON___GT 23717	32.55 -0.08 0.00	34.39 0.40 0.00	33.80 0.05 0.00	31.49 -0.55 0.00	32.82 -0.25 0.00	32.94 -0.27 0.00	45.72 0.00 0.00	88.95 0.47 0.00	42.52 -0.86 0.00	33.19 -0.07 0.00	33.48 0.20 0.00	31.60 -0.07 0.00	32.68 0.11 0.02	33.45 0.39 -0.02	32.38 0.72 -0.11	42.46 1.39 0.00	44.64 1.05 0.00	44.25 0.83 0.00	46.13 0.97 0.00	73.24 2.31 0.00	61.08 2.00 0.00	52.05 1.37 0.00	44.11 0.79 0.00	38.60 0.47 0.00
EAST RIVER___6 23660	33.64 1.01 0.00	34.85 0.86 0.00	34.43 0.68 0.00	32.68 0.63 0.00	33.68 0.61 0.00	33.74 0.53 0.00	46.92 1.21 0.00	91.01 2.53 0.00	44.54 1.16 0.00	34.35 1.09 0.00	34.43 1.15 0.00	32.81 1.14 0.00	33.89 1.30 0.00	34.75 1.36 -0.35	35.45 1.50 -2.40	42.76 1.69 0.00	45.23 1.65 0.00	45.05 1.63 0.00	46.96 1.80 0.00	73.88 2.95 0.00	61.47 2.38 0.00	52.61 1.93 0.00	44.90 1.58 0.00	39.37 1.24 0.00
EAST RIVER___7 23524	33.64 1.01 0.00	34.85 0.86 0.00	34.43 0.68 0.00	32.68 0.63 0.00	33.68 0.61 0.00	33.74 0.53 0.00	46.92 1.21 0.00	91.01 2.53 0.00	44.54 1.16 0.00	34.35 1.09 0.00	34.43 1.15 0.00	32.81 1.14 0.00	33.89 1.30 0.00	34.75 1.36 -0.35	35.45 1.50 -2.40	42.76 1.69 0.00	45.23 1.65 0.00	45.05 1.63 0.00	46.96 1.80 0.00	73.88 2.95 0.00	61.47 2.38 0.00	52.61 1.93 0.00	44.90 1.58 0.00	39.37 1.24 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	33.52 0.89 0.00	34.76 0.76 0.00	34.34 0.59 0.00	32.59 0.55 0.00	33.60 0.54 0.00	33.66 0.44 0.00	46.76 1.03 0.00	90.69 2.22 0.00	44.36 0.97 0.00	34.12 0.87 0.00	34.17 0.89 0.00	32.52 0.85 0.00	33.55 0.97 0.00	34.06 1.01 -0.01	32.80 1.16 -0.09	42.40 1.33 0.00	44.90 1.32 0.00	44.73 1.31 0.00	46.65 1.49 0.00	73.43 2.51 0.00	61.15 2.06 0.00	52.35 1.67 0.00	44.68 1.36 0.00	39.20 1.06 0.00
EAST_HAMPTON___DIESEL 23722	32.46 -0.17 0.00	34.35 0.36 0.00	33.76 0.01 0.00	31.42 -0.62 0.00	32.75 -0.32 0.00	32.88 -0.33 0.00	45.62 -0.10 0.00	88.75 0.27 0.00	42.41 -0.97 0.00	33.11 -0.15 0.00	33.43 0.13 0.00	31.54 -0.13 0.00	32.64 0.07 0.02	33.42 0.37 -0.02	32.36 0.70 -0.11	42.43 1.36 0.00	44.59 1.01 0.00	44.23 0.80 0.00	46.07 0.91 0.00	73.15 2.22 0.00	61.00 1.91 0.00	51.99 1.31 0.00	44.05 0.72 0.00	38.55 0.41 0.00
EAST_POINT___SOLAR 323840	34.50 1.88 0.00	36.04 2.05 0.00	35.92 2.17 0.00	34.10 2.06 0.00	35.17 2.10 0.00	35.48 2.26 0.00	49.06 3.34 0.00	95.20 6.72 0.00	45.44 2.05 0.00	33.69 0.43 0.00	33.45 0.16 0.00	32.07 0.40 0.00	33.21 0.62 0.00	33.74 0.70 0.00	32.56 1.01 0.00	42.70 1.63 0.00	46.05 2.47 0.00	46.53 3.11 0.00	48.58 3.42 0.00	76.42 5.50 0.00	63.52 4.43 0.00	54.27 3.59 0.00	46.18 2.85 0.00	40.49 2.35 0.00
EAST_PULASKI___ESR 323781	31.89 -0.74 0.00	33.32 -0.67 0.00	33.02 -0.73 0.00	31.37 -0.67 0.00	32.38 -0.69 0.00	32.72 -0.49 0.00	45.00 -0.72 0.00	87.08 -1.40 0.00	42.56 -0.82 0.00	32.56 -0.69 0.00	32.58 -0.71 0.00	30.96 -0.72 0.00	31.77 -0.82 0.00	32.35 -0.69 0.00	31.12 -0.43 0.00	40.52 -0.55 0.00	42.77 -0.81 0.00	42.69 -0.73 0.00	44.35 -0.81 0.00	69.73 -1.20 0.00	58.08 -1.01 0.00	49.81 -0.87 0.00	42.57 -0.75 0.00	37.39 -0.75 0.00
EAST_RIVER___1 323558	33.65 1.02 0.00	34.85 0.86 0.00	34.43 0.68 0.00	32.68 0.64 0.00	33.69 0.62 0.00	33.74 0.53 0.00	46.92 1.21 0.00	91.01 2.53 0.00	44.54 1.15 0.00	34.34 1.09 0.00	34.42 1.13 0.00	32.80 1.13 0.00	33.87 1.29 0.00	34.72 1.34 -0.34	35.37 1.49 -2.34	42.74 1.67 0.00	45.22 1.64 0.00	45.03 1.60 0.00	46.95 1.79 0.00	73.87 2.95 0.00	61.45 2.36 0.00	52.60 1.92 0.00	44.90 1.57 0.00	39.36 1.23 0.00
EAST_RIVER___2 323559	33.64 1.01 0.00	34.85 0.86 0.00	34.43 0.68 0.00	32.68 0.63 0.00	33.68 0.61 0.00	33.74 0.53 0.00	46.92 1.21 0.00	91.01 2.53 0.00	44.54 1.16 0.00	34.35 1.09 0.00	34.43 1.15 0.00	32.81 1.14 0.00	33.89 1.30 0.00	34.75 1.36 -0.35	35.45 1.50 -2.40	42.76 1.69 0.00	45.23 1.65 0.00	45.05 1.63 0.00	46.96 1.80 0.00	73.88 2.95 0.00	61.47 2.38 0.00	52.61 1.93 0.00	44.90 1.58 0.00	39.37 1.24 0.00
EAST___DELAWARE_HYD 23607	33.59 0.96 0.00	35.13 1.14 0.00	34.78 1.03 0.00	33.07 1.03 0.00	34.13 1.06 0.00	34.28 1.07 0.00	47.57 1.86 0.00	92.19 3.71 0.00	45.12 1.73 0.00	34.48 1.22 0.00	34.37 1.09 0.00	32.64 0.97 0.00	33.54 0.96 0.00	34.11 1.08 0.00	32.78 1.23 0.00	42.76 1.69 0.00	45.45 1.88 0.00	45.31 1.89 0.00	47.27 2.11 0.00	74.47 3.55 0.00	61.94 2.85 0.00	53.02 2.34 0.00	45.22 1.90 0.00	39.72 1.58 0.00
EIGHT_POINT___WT_PWR 323820	30.99 -1.64 0.00	32.93 -1.06 0.00	32.87 -0.88 0.00	31.30 -0.75 0.00	32.70 -0.37 0.00	33.08 -0.13 0.00	45.22 -0.50 0.00	86.51 -1.97 0.00	42.45 -0.94 0.00	32.12 -1.14 0.00	31.69 -1.60 0.00	30.24 -1.43 0.00	30.91 -1.67 0.00	31.31 -1.74 0.00	30.36 -1.19 0.00	40.14 -0.93 0.00	42.03 -1.55 0.00	41.72 -1.71 0.00	43.61 -1.55 0.00	68.43 -2.49 0.00	56.03 -3.06 0.00	48.03 -2.65 0.00	41.03 -2.30 0.00	35.96 -2.18 0.00
ELBRIDGE_115KV_TB2 80188	31.88 -0.75 0.00	33.24 -0.75 0.00	33.02 -0.73 0.00	31.40 -0.65 0.00	32.41 -0.66 0.00	32.58 -0.63 0.00	44.75 -0.97 0.00	86.43 -2.05 0.00	42.34 -1.05 0.00	32.39 -0.86 0.00	32.40 -0.89 0.00	30.84 -0.83 0.00	31.71 -0.87 0.00	32.23 -0.80 0.00	30.97 -0.57 0.00	40.31 -0.76 0.00	42.56 -1.02 0.00	42.36 -1.07 0.00	44.04 -1.12 0.00	69.19 -1.74 0.00	57.49 -1.60 0.00	49.28 -1.40 0.00	42.15 -1.18 0.00	37.08 -1.06 0.00
ELEC_TRO_TEK 24086	33.68 1.05 0.00	34.93 0.94 0.00	34.45 0.70 0.00	32.62 0.58 0.00	33.62 0.55 0.00	33.69 0.48 0.00	46.90 1.19 0.00	91.10 2.62 0.00	44.50 1.11 0.00	34.37 1.11 0.00	34.45 1.16 0.00	32.72 1.05 0.00	33.74 1.16 0.00	34.24 1.19 -0.02	33.05 1.39 -0.11	42.79 1.72 0.00	45.26 1.68 0.00	44.89 1.47 0.00	46.81 1.65 0.00	73.86 2.93 0.00	61.61 2.52 0.00	52.72 2.04 0.00	45.01 1.69 0.00	39.40 1.26 0.00



ELLENBURG_WT_PWR 323604	32.74 0.11 0.00	34.24 0.25 0.00	34.51 0.76 0.00	32.75 0.70 0.00	33.75 0.69 0.00	34.00 0.79 0.00	46.86 1.14 0.00	91.30 2.82 0.00	45.03 1.65 0.00	34.51 1.25 0.00	34.53 1.25 0.00	32.90 1.23 0.00	33.82 1.23 0.00	34.24 1.20 0.00	32.45 0.90 0.00	42.27 1.20 0.00	45.04 1.46 0.00	44.85 1.43 0.00	46.68 1.52 0.00	73.30 2.38 0.00	61.08 2.00 0.00	52.34 1.66 0.00	44.79 1.46 0.00	39.50 1.37 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	31.45 -1.18 0.00	33.29 -0.70 0.00	33.19 -0.55 0.00	31.51 -0.53 0.00	32.58 -0.48 0.00	32.69 -0.53 0.00	43.82 -1.90 0.00	83.54 -4.94 0.00	41.22 -2.17 0.00	31.82 -1.44 0.00	31.70 -1.59 0.00	30.31 -1.35 0.00	31.09 -1.49 0.00	31.68 -1.37 0.00	30.70 -0.85 0.00	39.82 -1.25 0.00	41.68 -1.90 0.00	41.35 -2.07 0.00	42.77 -2.39 0.00	66.94 -3.99 0.00	55.22 -3.86 0.00	47.37 -3.32 0.00	40.91 -2.42 0.00	36.20 -1.94 0.00
EMPIRE_CC_1 323656	33.13 0.50 0.00	34.45 0.46 0.00	34.03 0.28 0.00	32.34 0.30 0.00	33.46 0.39 0.00	33.50 0.29 0.00	46.11 0.39 0.00	88.93 0.45 0.00	43.63 0.24 0.00	33.44 0.18 0.00	33.55 0.26 0.00	31.84 0.17 0.00	32.73 0.15 0.00	33.05 0.01 0.00	31.71 0.16 0.00	41.27 0.20 0.00	43.87 0.29 0.00	43.77 0.34 0.00	45.57 0.41 0.00	71.41 0.49 0.00	59.65 0.56 0.00	51.30 0.61 0.00	43.84 0.52 0.00	38.80 0.67 0.00
EMPIRE_CC_2 323658	33.13 0.50 0.00	34.45 0.46 0.00	34.03 0.28 0.00	32.34 0.30 0.00	33.46 0.39 0.00	33.50 0.29 0.00	46.11 0.39 0.00	88.93 0.45 0.00	43.63 0.24 0.00	33.44 0.18 0.00	33.55 0.26 0.00	31.84 0.17 0.00	32.73 0.15 0.00	33.05 0.01 0.00	31.71 0.16 0.00	41.27 0.20 0.00	43.87 0.29 0.00	43.77 0.34 0.00	45.57 0.41 0.00	71.41 0.49 0.00	59.65 0.56 0.00	51.30 0.61 0.00	43.84 0.52 0.00	38.80 0.67 0.00
ENORWICH_115KV_TB1 80156	32.88 0.25 0.00	34.49 0.50 0.00	34.59 0.84 0.00	33.37 1.32 0.00	34.54 1.48 0.00	34.96 1.74 0.00	48.61 2.89 0.00	94.69 6.21 0.00	46.11 2.72 0.00	34.74 1.48 0.00	34.19 0.90 0.00	32.49 0.83 0.00	33.27 0.69 0.00	33.90 0.86 0.00	32.64 1.09 0.00	42.93 1.86 0.00	46.36 2.78 0.00	46.34 2.91 0.00	48.24 3.08 0.00	76.01 5.08 0.00	63.08 3.99 0.00	53.86 3.18 0.00	45.97 2.64 0.00	40.16 2.03 0.00
ERIE_ST_34_KV_TB1-2 80199	32.01 -0.62 0.00	33.89 -0.10 0.00	33.76 0.01 0.00	32.08 0.04 0.00	33.13 0.07 0.00	33.20 -0.01 0.00	44.66 -1.06 0.00	85.34 -3.14 0.00	42.12 -1.26 0.00	32.48 -0.78 0.00	32.31 -0.98 0.00	30.92 -0.75 0.00	31.77 -0.82 0.00	32.35 -0.69 0.00	31.36 -0.18 0.00	40.70 -0.38 0.00	42.61 -0.97 0.00	42.24 -1.18 0.00	43.70 -1.46 0.00	68.46 -2.47 0.00	56.49 -2.60 0.00	48.45 -2.23 0.00	41.82 -1.51 0.00	36.94 -1.20 0.00
ERIE_WT_PWR 323693	31.73 -0.90 0.00	33.57 -0.43 0.00	33.49 -0.26 0.00	31.80 -0.25 0.00	32.87 -0.20 0.00	32.97 -0.24 0.00	44.25 -1.47 0.00	84.42 -4.06 0.00	41.62 -1.76 0.00	32.14 -1.12 0.00	31.99 -1.29 0.00	30.59 -1.08 0.00	31.39 -1.19 0.00	31.99 -1.05 0.00	30.99 -0.56 0.00	40.22 -0.85 0.00	42.09 -1.49 0.00	41.78 -1.64 0.00	43.21 -1.95 0.00	67.55 -3.37 0.00	55.78 -3.31 0.00	47.82 -2.87 0.00	41.30 -2.02 0.00	36.53 -1.61 0.00
ESPRGFLD_115KV_TB1 80157	33.67 1.04 0.00	35.21 1.22 0.00	35.15 1.40 0.00	33.42 1.38 0.00	34.45 1.38 0.00	34.72 1.50 0.00	47.91 2.19 0.00	93.02 4.54 0.00	45.32 1.94 0.00	34.55 1.29 0.00	34.42 1.13 0.00	32.82 1.15 0.00	33.79 1.21 0.00	34.46 1.42 0.00	33.04 1.49 0.00	43.04 1.97 0.00	45.68 2.10 0.00	45.65 2.22 0.00	47.44 2.28 0.00	74.49 3.56 0.00	61.83 2.74 0.00	52.83 2.15 0.00	45.06 1.73 0.00	39.50 1.36 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	32.52 -0.11 0.00	33.95 -0.04 0.00	33.76 0.01 0.00	32.15 0.10 0.00	33.20 0.13 0.00	33.43 0.22 0.00	46.09 0.37 0.00	89.19 0.71 0.00	43.63 0.24 0.00	33.19 -0.07 0.00	32.97 -0.32 0.00	31.28 -0.39 0.00	32.13 -0.45 0.00	32.68 -0.36 0.00	31.47 -0.08 0.00	41.26 0.19 0.00	43.86 0.28 0.00	43.70 0.27 0.00	45.49 0.33 0.00	71.56 0.63 0.00	59.39 0.30 0.00	50.86 0.17 0.00	43.45 0.12 0.00	38.13 -0.01 0.00
ETNA____115KV_TB2 80207	32.52 -0.11 0.00	33.95 -0.04 0.00	33.76 0.01 0.00	32.15 0.10 0.00	33.20 0.13 0.00	33.43 0.22 0.00	46.09 0.37 0.00	89.19 0.71 0.00	43.63 0.24 0.00	33.19 -0.07 0.00	32.97 -0.32 0.00	31.28 -0.39 0.00	32.13 -0.45 0.00	32.68 -0.36 0.00	31.47 -0.08 0.00	41.26 0.19 0.00	43.86 0.28 0.00	43.70 0.27 0.00	45.49 0.33 0.00	71.56 0.63 0.00	59.39 0.30 0.00	50.86 0.17 0.00	43.45 0.12 0.00	38.13 -0.01 0.00
EUCLID____115KV_TB2 356179	31.69 -0.94 0.00	33.08 -0.91 0.00	32.85 -0.89 0.00	31.23 -0.81 0.00	32.23 -0.84 0.00	32.40 -0.82 0.00	44.46 -1.25 0.00	85.90 -2.58 0.00	42.08 -1.31 0.00	32.25 -1.01 0.00	32.28 -1.00 0.00	30.75 -0.92 0.00	31.63 -0.96 0.00	32.13 -0.91 0.00	30.86 -0.69 0.00	40.13 -0.94 0.00	42.32 -1.26 0.00	42.11 -1.32 0.00	43.77 -1.39 0.00	68.75 -2.17 0.00	57.13 -1.96 0.00	48.98 -1.71 0.00	41.90 -1.42 0.00	36.87 -1.27 0.00
E_CANADA_CAP_HY 24051	34.10 1.47 0.00	35.67 1.68 0.00	35.63 1.88 0.00	33.82 1.78 0.00	34.82 1.76 0.00	35.09 1.87 0.00	48.32 2.60 0.00	93.76 5.28 0.00	45.47 2.09 0.00	34.41 1.15 0.00	34.31 1.02 0.00	32.75 1.08 0.00	33.76 1.17 0.00	34.40 1.37 0.00	33.01 1.46 0.00	43.07 2.00 0.00	45.80 2.22 0.00	45.95 2.53 0.00	47.83 2.67 0.00	75.11 4.18 0.00	62.39 3.30 0.00	53.31 2.63 0.00	45.42 2.10 0.00	39.86 1.72 0.00
E_CANADA_MHWK_HY 24050	32.17 -0.45 0.00	33.41 -0.58 0.00	33.15 -0.60 0.00	31.62 -0.42 0.00	32.65 -0.41 0.00	32.81 -0.40 0.00	45.68 -0.04 0.00	88.44 -0.04 0.00	42.81 -0.58 0.00	32.14 -1.12 0.00	32.07 -1.21 0.00	30.53 -1.15 0.00	31.42 -1.16 0.00	31.83 -1.21 0.00	30.63 -0.92 0.00	40.15 -0.93 0.00	43.11 -0.48 0.00	43.34 -0.08 0.00	45.32 0.16 0.00	71.23 0.31 0.00	59.19 0.10 0.00	50.67 -0.01 0.00	43.18 -0.15 0.00	37.92 -0.21 0.00
E_FISHKILL____LBMP 23776	33.38 0.75 0.00	34.63 0.64 0.00	34.22 0.48 0.00	32.50 0.45 0.00	33.50 0.43 0.00	33.55 0.33 0.00	46.56 0.84 0.00	90.20 1.72 0.00	44.11 0.72 0.00	33.89 0.63 0.00	33.95 0.66 0.00	32.31 0.64 0.00	33.30 0.72 0.00	33.76 0.72 0.00	32.42 0.87 0.00	42.05 0.98 0.00	44.60 1.02 0.00	44.44 1.02 0.00	46.33 1.17 0.00	72.93 2.01 0.00	60.75 1.65 0.00	52.03 1.34 0.00	44.42 1.09 0.00	39.02 0.88 0.00
FALCON____SEABRD_CC1 323796	32.84 0.21 0.00	34.39 0.40 0.00	34.97 1.22 0.00	33.29 1.25 0.00	34.29 1.23 0.00	34.59 1.38 0.00	47.84 2.12 0.00	93.46 4.97 0.00	46.13 2.75 0.00	35.25 1.99 0.00	35.30 2.02 0.00	33.73 2.06 0.00	34.64 2.05 0.00	34.99 1.95 0.00	33.34 1.79 0.00	43.46 2.39 0.00	46.33 2.74 0.00	46.03 2.60 0.00	48.03 2.87 0.00	75.50 4.57 0.00	62.81 3.72 0.00	53.65 2.97 0.00	45.88 2.55 0.00	40.50 2.36 0.00



FALCON___SEABRD_CC2 323797	32.84 0.21 0.00	34.39 0.40 0.00	34.97 1.22 0.00	33.29 1.25 0.00	34.29 1.23 0.00	34.59 1.38 0.00	47.84 2.12 0.00	93.46 4.97 0.00	46.13 2.75 0.00	35.25 1.99 0.00	35.30 2.02 0.00	33.73 2.06 0.00	34.64 2.05 0.00	34.99 1.95 0.00	33.34 1.79 0.00	43.46 2.39 0.00	46.33 2.74 0.00	46.03 2.60 0.00	48.03 2.87 0.00	75.50 4.57 0.00	62.81 3.72 0.00	53.65 2.97 0.00	45.88 2.55 0.00	40.50 2.36 0.00
FAR ROCKAWAY___4 23548	34.08 1.45 0.00	35.31 1.32 0.00	34.81 1.06 0.00	32.97 0.93 0.00	33.97 0.91 0.00	34.05 0.84 0.00	47.41 1.68 0.00	92.06 3.58 0.00	44.97 1.59 0.00	34.74 1.48 0.00	34.81 1.52 0.00	33.07 1.40 0.00	34.15 1.57 0.00	34.62 1.57 -0.02	33.43 1.77 -0.11	43.24 2.17 0.00	45.74 2.16 0.00	45.41 1.98 0.00	47.40 2.24 0.00	74.85 3.92 0.00	62.40 3.31 0.00	53.40 2.72 0.00	45.62 2.29 0.00	39.88 1.75 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	33.68 1.05 0.00	34.89 0.89 0.00	34.47 0.72 0.00	32.71 0.67 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.96 1.24 0.00	91.07 2.59 0.00	44.58 1.20 0.00	34.37 1.11 0.00	34.45 1.16 0.00	32.82 1.15 0.00	33.89 1.31 0.00	34.77 1.37 -0.36	35.54 1.51 -2.48	42.77 1.69 0.00	45.25 1.67 0.00	45.07 1.65 0.00	46.97 1.81 0.00	73.93 3.01 0.00	61.52 2.43 0.00	52.65 1.97 0.00	44.94 1.61 0.00	39.40 1.27 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	33.70 1.07 0.00	34.90 0.91 0.00	34.48 0.73 0.00	32.73 0.69 0.00	33.73 0.66 0.00	33.78 0.57 0.00	46.99 1.27 0.00	91.10 2.62 0.00	44.59 1.20 0.00	34.38 1.13 0.00	34.45 1.17 0.00	32.82 1.15 0.00	33.91 1.33 0.00	34.78 1.38 -0.36	35.54 1.51 -2.48	42.77 1.70 0.00	45.26 1.68 0.00	45.08 1.66 0.00	47.00 1.84 0.00	73.95 3.02 0.00	61.55 2.46 0.00	52.67 1.99 0.00	44.96 1.64 0.00	39.43 1.29 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	33.67 1.04 0.00	34.87 0.88 0.00	34.45 0.70 0.00	32.70 0.66 0.00	33.70 0.64 0.00	33.75 0.54 0.00	46.95 1.23 0.00	91.03 2.55 0.00	44.56 1.18 0.00	34.35 1.10 0.00	34.44 1.15 0.00	32.81 1.14 0.00	33.89 1.30 0.00	34.76 1.36 -0.36	35.53 1.50 -2.48	42.75 1.68 0.00	45.23 1.65 0.00	45.06 1.64 0.00	46.96 1.80 0.00	73.89 2.97 0.00	61.49 2.40 0.00	52.62 1.94 0.00	44.92 1.60 0.00	39.39 1.25 0.00
FARRAGUT___LBMP 323566	33.65 1.02 0.00	34.85 0.86 0.00	34.43 0.68 0.00	32.68 0.63 0.00	33.68 0.61 0.00	33.73 0.52 0.00	46.91 1.19 0.00	90.96 2.48 0.00	44.52 1.13 0.00	34.32 1.06 0.00	34.39 1.11 0.00	32.77 1.10 0.00	33.85 1.27 0.00	34.72 1.32 -0.36	35.49 1.46 -2.48	42.71 1.64 0.00	45.18 1.60 0.00	45.00 1.57 0.00	46.92 1.76 0.00	73.82 2.89 0.00	61.43 2.34 0.00	52.58 1.90 0.00	44.89 1.56 0.00	39.36 1.22 0.00
FENNER___WINDPWR 24204	32.73 0.10 0.00	34.15 0.16 0.00	33.94 0.20 0.00	32.30 0.26 0.00	33.37 0.30 0.00	33.65 0.44 0.00	46.51 0.79 0.00	90.13 1.65 0.00	44.06 0.67 0.00	33.53 0.27 0.00	33.44 0.15 0.00	31.78 0.11 0.00	32.71 0.12 0.00	33.25 0.21 0.00	31.93 0.38 0.00	41.63 0.56 0.00	44.22 0.64 0.00	44.15 0.73 0.00	45.91 0.75 0.00	72.18 1.25 0.00	59.98 0.89 0.00	51.36 0.68 0.00	43.78 0.45 0.00	38.46 0.32 0.00
FIBERTEK___ENERGY 23856	32.01 -0.62 0.00	33.39 -0.60 0.00	33.17 -0.58 0.00	31.53 -0.52 0.00	32.54 -0.53 0.00	32.73 -0.48 0.00	44.98 -0.74 0.00	86.88 -1.60 0.00	42.55 -0.84 0.00	32.56 -0.70 0.00	32.58 -0.71 0.00	31.01 -0.66 0.00	31.89 -0.69 0.00	32.42 -0.62 0.00	31.14 -0.40 0.00	40.53 -0.54 0.00	42.78 -0.80 0.00	42.58 -0.85 0.00	44.28 -0.88 0.00	69.59 -1.34 0.00	57.81 -1.28 0.00	49.57 -1.12 0.00	42.39 -0.94 0.00	37.28 -0.86 0.00
FITZPATRICK____ 23598	31.37 -1.26 0.00	32.73 -1.26 0.00	32.52 -1.23 0.00	30.91 -1.13 0.00	31.89 -1.18 0.00	32.03 -1.18 0.00	43.96 -1.76 0.00	84.94 -3.54 0.00	41.63 -1.76 0.00	31.93 -1.33 0.00	32.02 -1.27 0.00	30.49 -1.18 0.00	31.37 -1.21 0.00	31.85 -1.19 0.00	30.54 -1.01 0.00	39.67 -1.40 0.00	41.84 -1.75 0.00	41.62 -1.81 0.00	43.26 -1.90 0.00	67.93 -3.00 0.00	56.48 -2.61 0.00	48.44 -2.25 0.00	41.45 -1.88 0.00	36.49 -1.65 0.00
FLOWRFLD_69_KV_BK1 356044	33.63 1.00 0.00	34.93 0.94 0.00	34.36 0.61 0.00	32.41 0.37 0.00	33.48 0.41 0.00	33.54 0.33 0.00	46.78 1.06 0.00	91.06 2.58 0.00	44.21 0.82 0.00	34.31 1.05 0.00	34.37 1.08 0.00	32.48 0.81 0.00	33.38 0.82 0.02	33.94 0.88 -0.02	32.81 1.15 -0.11	42.84 1.77 0.00	45.13 1.55 0.00	44.58 1.15 0.00	46.63 1.47 0.00	73.79 2.86 0.00	61.74 2.65 0.00	52.66 1.98 0.00	44.95 1.63 0.00	39.26 1.12 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	33.75 1.12 0.00	35.00 1.01 0.00	34.60 0.85 0.00	32.85 0.81 0.00	33.89 0.82 0.00	33.98 0.77 0.00	47.19 1.47 0.00	91.54 3.06 0.00	45.04 1.65 0.00	34.49 1.23 0.00	34.43 1.14 0.00	32.67 1.00 0.00	33.61 1.03 0.00	34.03 0.99 0.00	32.53 0.98 0.00	42.10 1.03 0.00	44.67 1.09 0.00	44.54 1.12 0.00	46.46 1.30 0.00	73.16 2.24 0.00	61.02 1.94 0.00	52.29 1.61 0.00	44.60 1.27 0.00	39.34 1.20 0.00
FORT ORANGE____ 23900	33.57 0.95 0.00	34.91 0.92 0.00	34.53 0.78 0.00	32.81 0.76 0.00	33.91 0.85 0.00	34.03 0.82 0.00	47.01 1.29 0.00	90.84 2.36 0.00	44.49 1.10 0.00	33.98 0.72 0.00	33.94 0.66 0.00	32.19 0.52 0.00	33.06 0.47 0.00	33.37 0.32 0.00	31.93 0.38 0.00	41.64 0.56 0.00	44.37 0.79 0.00	44.40 0.97 0.00	46.23 1.07 0.00	72.60 1.67 0.00	60.52 1.43 0.00	51.93 1.25 0.00	44.35 1.02 0.00	39.11 0.97 0.00
FORT_DRUM_COGEN 23780	32.82 0.19 0.00	34.52 0.53 0.00	34.03 0.27 0.00	32.29 0.24 0.00	33.33 0.26 0.00	34.15 0.94 0.00	47.43 1.71 0.00	92.29 3.80 0.00	44.86 1.48 0.00	34.05 0.79 0.00	33.94 0.66 0.00	31.97 0.30 0.00	32.63 0.05 0.00	33.47 0.43 0.00	32.26 0.71 0.00	42.36 1.29 0.00	44.96 1.38 0.00	45.16 1.73 0.00	46.86 1.70 0.00	73.96 3.03 0.00	61.89 2.80 0.00	52.90 2.22 0.00	45.00 1.67 0.00	39.28 1.15 0.00
FOX_HILLS___ESR 323835	64.39 1.39 -30.37	56.77 1.23 -21.55	56.04 1.05 -21.25	56.05 0.97 -23.03	56.05 0.94 -22.04	56.80 0.84 -22.75	58.23 1.60 -10.92	96.71 3.06 -5.17	59.01 1.56 -14.06	58.97 1.42 -24.29	57.65 1.48 -22.88	57.55 1.43 -24.45	58.08 1.63 -23.86	58.16 1.66 -23.46	56.86 1.79 -23.52	57.81 2.00 -14.74	57.94 1.99 -12.38	57.94 1.96 -12.55	62.19 2.20 -14.82	74.35 3.34 -0.08	68.40 2.89 -6.42	59.82 2.37 -6.77	58.07 1.98 -12.77	57.54 1.58 -17.81
FPL FAR_ROCK_GT1 24212	34.07 1.45 0.00	35.31 1.32 0.00	34.81 1.06 0.00	32.97 0.93 0.00	33.97 0.91 0.00	34.06 0.84 0.00	47.41 1.69 0.00	92.06 3.58 0.00	44.97 1.58 0.00	34.74 1.48 0.00	34.81 1.52 0.00	33.07 1.40 0.00	34.15 1.56 0.00	34.62 1.56 -0.02	33.43 1.77 -0.11	43.24 2.17 0.00	45.74 2.16 0.00	45.40 1.97 0.00	47.40 2.24 0.00	74.85 3.92 0.00	62.40 3.31 0.00	53.40 2.72 0.00	45.61 2.29 0.00	39.88 1.74 0.00



FPL FAR_ROCK_GT2 23815	34.07 1.45 0.00	35.31 1.32 0.00	34.81 1.06 0.00	32.97 0.93 0.00	33.97 0.91 0.00	34.06 0.84 0.00	47.41 1.69 0.00	92.06 3.58 0.00	44.97 1.58 0.00	34.74 1.48 0.00	34.81 1.52 0.00	33.07 1.40 0.00	34.15 1.56 0.00	34.62 1.56 -0.02	33.43 1.77 -0.11	43.24 2.17 0.00	45.74 2.16 0.00	45.40 1.97 0.00	47.40 2.24 0.00	74.85 3.92 0.00	62.40 3.31 0.00	53.40 2.72 0.00	45.61 2.29 0.00	39.88 1.74 0.00
FRANKLIN_FALL_HYD 24054	33.28 0.65 0.00	34.79 0.80 0.00	34.93 1.18 0.00	33.12 1.08 0.00	34.17 1.11 0.00	34.47 1.26 0.00	47.47 1.75 0.00	92.61 4.13 0.00	45.65 2.27 0.00	34.90 1.64 0.00	34.86 1.57 0.00	33.13 1.47 0.00	34.08 1.50 0.00	34.54 1.50 0.00	32.69 1.14 0.00	42.58 1.50 0.00	45.44 1.86 0.00	45.32 1.89 0.00	47.21 2.05 0.00	74.17 3.25 0.00	61.88 2.80 0.00	53.04 2.36 0.00	45.33 2.01 0.00	39.94 1.81 0.00
FREEPORT_EQUS_GT1 23764	33.79 1.16 0.00	35.03 1.04 0.00	34.54 0.79 0.00	32.68 0.63 0.00	33.70 0.63 0.00	33.78 0.57 0.00	47.06 1.34 0.00	91.42 2.95 0.00	44.64 1.25 0.00	34.49 1.23 0.00	34.55 1.26 0.00	32.79 1.12 0.00	33.82 1.24 0.00	34.32 1.26 -0.02	33.12 1.46 -0.11	42.89 1.82 0.00	45.40 1.82 0.00	45.00 1.57 0.00	47.00 1.84 0.00	74.21 3.28 0.00	61.93 2.84 0.00	52.96 2.28 0.00	45.23 1.91 0.00	39.55 1.41 0.00
FREEPORT___CT2 23818	33.79 1.16 0.00	35.03 1.04 0.00	34.54 0.79 0.00	32.68 0.63 0.00	33.70 0.63 0.00	33.78 0.57 0.00	47.06 1.34 0.00	91.42 2.95 0.00	44.64 1.25 0.00	34.49 1.23 0.00	34.55 1.26 0.00	32.79 1.12 0.00	33.82 1.24 0.00	34.32 1.26 -0.02	33.12 1.46 -0.11	42.89 1.82 0.00	45.40 1.82 0.00	45.00 1.57 0.00	47.00 1.84 0.00	74.21 3.28 0.00	61.93 2.84 0.00	52.96 2.28 0.00	45.23 1.91 0.00	39.55 1.41 0.00
FRESHKLS_33_KV_LOAD 356253	64.39 1.39 -30.37	56.77 1.23 -21.55	56.04 1.04 -21.25	56.04 0.96 -23.03	56.04 0.93 -22.04	56.78 0.82 -22.75	58.17 1.53 -10.92	96.57 2.92 -5.17	58.97 1.52 -14.06	58.92 1.37 -24.29	57.59 1.43 -22.88	57.49 1.37 -24.45	58.03 1.58 -23.86	58.11 1.62 -23.46	56.81 1.74 -23.52	57.75 1.93 -14.74	57.86 1.91 -12.38	57.87 1.89 -12.55	62.14 2.15 -14.82	74.20 3.19 -0.08	68.35 2.84 -6.42	59.78 2.33 -6.77	58.07 1.98 -12.77	57.51 1.56 -17.81
FULTON COGEN____ 23766	31.55 -1.07 0.00	32.93 -1.06 0.00	32.71 -1.04 0.00	31.08 -0.96 0.00	32.08 -0.98 0.00	32.26 -0.95 0.00	44.31 -1.42 0.00	85.62 -2.86 0.00	41.91 -1.48 0.00	32.08 -1.18 0.00	32.12 -1.17 0.00	30.61 -1.06 0.00	31.49 -1.09 0.00	31.98 -1.05 0.00	30.72 -0.83 0.00	39.96 -1.11 0.00	42.13 -1.45 0.00	41.95 -1.47 0.00	43.61 -1.55 0.00	68.54 -2.39 0.00	56.95 -2.14 0.00	48.82 -1.86 0.00	41.74 -1.58 0.00	36.72 -1.42 0.00
FULTON___LFGE 323630	34.21 1.59 0.00	35.71 1.72 0.00	35.53 1.79 0.00	33.73 1.69 0.00	34.78 1.72 0.00	35.06 1.85 0.00	48.43 2.71 0.00	93.93 5.44 0.00	45.24 1.85 0.00	33.84 0.59 0.00	33.69 0.40 0.00	32.12 0.45 0.00	33.18 0.60 0.00	33.74 0.70 0.00	32.48 0.93 0.00	42.52 1.44 0.00	45.56 1.98 0.00	45.99 2.56 0.00	47.97 2.81 0.00	75.45 4.52 0.00	62.75 3.67 0.00	53.64 2.96 0.00	45.68 2.36 0.00	40.10 1.96 0.00
G.F.CEMENT___DRP 24184	33.85 1.22 0.00	35.20 1.21 0.00	34.84 1.09 0.00	33.12 1.08 0.00	34.28 1.21 0.00	34.52 1.31 0.00	47.91 2.19 0.00	92.37 3.89 0.00	45.03 1.65 0.00	34.15 0.89 0.00	34.00 0.71 0.00	32.36 0.70 0.00	33.36 0.78 0.00	33.67 0.63 0.00	32.62 1.07 0.00	42.73 1.66 0.00	45.82 2.24 0.00	45.74 2.32 0.00	47.69 2.54 0.00	74.95 4.02 0.00	62.62 3.53 0.00	53.67 2.99 0.00	45.71 2.38 0.00	40.15 2.01 0.00
GARDENVILLE___LBMP 24039	31.59 -1.04 0.00	33.43 -0.57 0.00	33.32 -0.43 0.00	31.63 -0.41 0.00	32.71 -0.36 0.00	32.81 -0.40 0.00	44.05 -1.67 0.00	84.03 -4.45 0.00	41.45 -1.94 0.00	32.00 -1.26 0.00	31.86 -1.43 0.00	30.47 -1.21 0.00	31.24 -1.34 0.00	31.84 -1.20 0.00	30.86 -0.69 0.00	40.04 -1.04 0.00	41.90 -1.68 0.00	41.56 -1.87 0.00	43.00 -2.16 0.00	67.34 -3.59 0.00	55.56 -3.53 0.00	47.63 -3.05 0.00	41.12 -2.21 0.00	36.36 -1.78 0.00
GARDNVLA_35_KV_LD 355827	31.81 -0.82 0.00	33.66 -0.33 0.00	33.57 -0.18 0.00	31.87 -0.17 0.00	32.95 -0.12 0.00	33.04 -0.17 0.00	44.37 -1.35 0.00	84.64 -3.84 0.00	41.77 -1.61 0.00	32.25 -1.01 0.00	32.10 -1.18 0.00	30.70 -0.97 0.00	31.50 -1.09 0.00	32.09 -0.96 0.00	31.09 -0.46 0.00	40.35 -0.72 0.00	42.24 -1.34 0.00	41.90 -1.53 0.00	43.34 -1.82 0.00	67.81 -3.11 0.00	55.97 -3.12 0.00	47.98 -2.70 0.00	41.42 -1.91 0.00	36.63 -1.51 0.00
GELCKHM__115KV_LOAD 80723	31.79 -0.84 0.00	33.18 -0.81 0.00	32.96 -0.79 0.00	31.33 -0.71 0.00	32.34 -0.73 0.00	32.51 -0.71 0.00	44.63 -1.09 0.00	86.24 -2.24 0.00	42.23 -1.16 0.00	32.34 -0.92 0.00	32.38 -0.91 0.00	30.83 -0.84 0.00	31.71 -0.87 0.00	32.22 -0.82 0.00	30.96 -0.59 0.00	40.25 -0.82 0.00	42.46 -1.12 0.00	42.26 -1.17 0.00	43.92 -1.24 0.00	69.02 -1.91 0.00	57.36 -1.73 0.00	49.17 -1.51 0.00	42.07 -1.26 0.00	37.01 -1.13 0.00
GENERAL___MILLS 23808	31.72 -0.91 0.00	33.57 -0.43 0.00	33.47 -0.28 0.00	31.78 -0.26 0.00	32.86 -0.21 0.00	32.95 -0.26 0.00	44.23 -1.49 0.00	84.34 -4.14 0.00	41.62 -1.77 0.00	32.13 -1.13 0.00	31.98 -1.30 0.00	30.59 -1.08 0.00	31.38 -1.21 0.00	31.96 -1.09 0.00	30.99 -0.56 0.00	40.20 -0.87 0.00	42.08 -1.50 0.00	41.73 -1.69 0.00	43.18 -1.98 0.00	67.58 -3.35 0.00	55.76 -3.33 0.00	47.81 -2.87 0.00	41.28 -2.04 0.00	36.51 -1.63 0.00
GE_PLASTICS___DRP 24183	33.31 0.68 0.00	34.64 0.65 0.00	34.27 0.52 0.00	32.56 0.52 0.00	33.63 0.57 0.00	33.73 0.52 0.00	46.58 0.86 0.00	90.02 1.54 0.00	44.12 0.73 0.00	33.77 0.52 0.00	33.80 0.52 0.00	32.04 0.37 0.00	32.83 0.25 0.00	33.08 0.04 0.00	31.59 0.04 0.00	41.22 0.15 0.00	43.82 0.24 0.00	43.59 0.16 0.00	45.35 0.19 0.00	71.23 0.30 0.00	59.38 0.29 0.00	50.96 0.28 0.00	43.57 0.24 0.00	38.46 0.32 0.00
GILBOA___1 23756	33.05 0.42 0.00	34.37 0.38 0.00	34.03 0.28 0.00	32.32 0.28 0.00	33.36 0.30 0.00	33.47 0.26 0.00	46.25 0.53 0.00	89.45 0.97 0.00	43.79 0.40 0.00	33.55 0.29 0.00	33.58 0.29 0.00	31.93 0.26 0.00	32.87 0.28 0.00	33.30 0.26 0.00	31.94 0.39 0.00	41.54 0.47 0.00	44.09 0.51 0.00	43.95 0.52 0.00	45.67 0.51 0.00	71.80 0.87 0.00	59.81 0.72 0.00	51.37 0.69 0.00	43.90 0.57 0.00	38.62 0.48 0.00
GILBOA___2 23757	33.05 0.42 0.00	34.37 0.38 0.00	34.03 0.28 0.00	32.32 0.28 0.00	33.36 0.30 0.00	33.47 0.26 0.00	46.25 0.53 0.00	89.45 0.97 0.00	43.79 0.40 0.00	33.55 0.29 0.00	33.58 0.29 0.00	31.93 0.26 0.00	32.87 0.28 0.00	33.30 0.26 0.00	31.94 0.39 0.00	41.54 0.47 0.00	44.09 0.51 0.00	43.95 0.52 0.00	45.67 0.51 0.00	71.80 0.87 0.00	59.81 0.72 0.00	51.37 0.69 0.00	43.90 0.57 0.00	38.62 0.48 0.00



GILBOA___3 23758	33.05 0.42 0.00	34.37 0.38 0.00	34.03 0.28 0.00	32.32 0.28 0.00	33.36 0.30 0.00	33.47 0.26 0.00	46.25 0.53 0.00	89.45 0.97 0.00	43.79 0.40 0.00	33.55 0.29 0.00	33.58 0.29 0.00	31.93 0.26 0.00	32.87 0.28 0.00	33.30 0.26 0.00	31.94 0.39 0.00	41.54 0.47 0.00	44.09 0.51 0.00	43.95 0.52 0.00	45.67 0.51 0.00	71.80 0.87 0.00	59.81 0.72 0.00	51.37 0.69 0.00	43.90 0.57 0.00	38.62 0.48 0.00
GILBOA___4 23759	33.05 0.42 0.00	34.37 0.38 0.00	34.03 0.28 0.00	32.32 0.28 0.00	33.36 0.30 0.00	33.47 0.26 0.00	46.25 0.53 0.00	89.45 0.97 0.00	43.79 0.40 0.00	33.55 0.29 0.00	33.58 0.29 0.00	31.93 0.26 0.00	32.87 0.28 0.00	33.30 0.26 0.00	31.94 0.39 0.00	41.54 0.47 0.00	44.09 0.51 0.00	43.95 0.52 0.00	45.67 0.51 0.00	71.80 0.87 0.00	59.81 0.72 0.00	51.37 0.69 0.00	43.90 0.57 0.00	38.62 0.48 0.00
GILBOA___ 23599	33.05 0.42 0.00	34.37 0.38 0.00	34.03 0.28 0.00	32.33 0.28 0.00	33.36 0.30 0.00	33.47 0.25 0.00	46.25 0.52 0.00	89.45 0.97 0.00	43.79 0.41 0.00	33.55 0.29 0.00	33.58 0.29 0.00	31.93 0.26 0.00	32.87 0.29 0.00	33.31 0.26 0.00	31.94 0.39 0.00	41.54 0.47 0.00	44.09 0.51 0.00	43.94 0.52 0.00	45.67 0.51 0.00	71.80 0.87 0.00	59.81 0.72 0.00	51.37 0.69 0.00	43.90 0.57 0.00	38.62 0.48 0.00
GINNA___ 23603	30.32 -2.30 0.00	31.86 -2.13 0.00	31.71 -2.04 0.00	30.14 -1.91 0.00	31.16 -1.90 0.00	31.35 -1.86 0.00	42.69 -3.03 0.00	82.04 -6.44 0.00	40.20 -3.18 0.00	30.76 -2.50 0.00	30.70 -2.58 0.00	29.28 -2.39 0.00	30.16 -2.42 0.00	30.70 -2.34 0.00	29.62 -1.93 0.00	38.55 -2.52 0.00	40.61 -2.97 0.00	40.35 -3.07 0.00	41.87 -3.29 0.00	65.65 -5.27 0.00	54.33 -4.76 0.00	46.55 -4.13 0.00	39.91 -3.42 0.00	35.19 -2.95 0.00
GLEN PARK___ 23778	32.96 0.33 0.00	34.66 0.66 0.00	34.16 0.41 0.00	32.41 0.37 0.00	33.47 0.41 0.00	34.29 1.08 0.00	47.64 1.91 0.00	92.73 4.25 0.00	45.02 1.63 0.00	34.12 0.86 0.00	34.03 0.74 0.00	31.98 0.31 0.00	32.62 0.04 0.00	33.49 0.44 0.00	32.33 0.79 0.00	42.49 1.41 0.00	45.07 1.49 0.00	45.33 1.91 0.00	47.08 1.92 0.00	74.34 3.41 0.00	62.19 3.10 0.00	53.14 2.46 0.00	45.19 1.86 0.00	39.43 1.30 0.00
GLENDALE_27_KV_LOAD 356172	33.92 1.29 0.00	35.12 1.13 0.00	34.69 0.94 0.00	32.92 0.88 0.00	33.91 0.84 0.00	33.99 0.77 0.00	47.28 1.56 0.00	91.62 3.14 0.00	44.89 1.51 0.00	34.66 1.40 0.00	34.99 1.44 -0.26	34.14 1.42 -1.05	34.92 1.60 -0.74	35.23 1.65 -0.54	36.33 1.76 -3.02	43.06 1.98 0.00	45.55 1.98 0.00	45.38 1.95 0.00	47.32 2.16 0.00	74.41 3.49 0.00	61.95 2.86 0.00	53.03 2.35 0.00	45.24 1.91 0.00	39.69 1.55 0.00
GLENWOOD_IC_1_G5 23712	33.79 1.17 0.00	35.05 1.06 0.00	34.57 0.82 0.00	32.73 0.68 0.00	33.74 0.68 0.00	33.81 0.60 0.00	47.11 1.39 0.00	91.51 3.03 0.00	44.70 1.31 0.00	34.53 1.28 0.00	34.61 1.32 0.00	32.85 1.18 0.00	33.89 1.31 0.00	34.39 1.33 -0.02	33.20 1.54 -0.11	42.99 1.92 0.00	45.47 1.89 0.00	45.11 1.68 0.00	47.04 1.89 0.00	74.22 3.29 0.00	61.93 2.84 0.00	52.96 2.28 0.00	45.23 1.90 0.00	39.56 1.42 0.00
GLENWOOD_IC_2_G1 23688	33.74 1.11 0.00	34.99 1.00 0.00	34.51 0.76 0.00	32.68 0.64 0.00	33.69 0.63 0.00	33.76 0.55 0.00	47.01 1.29 0.00	91.29 2.81 0.00	44.59 1.21 0.00	34.45 1.19 0.00	34.52 1.24 0.00	32.79 1.11 0.00	33.81 1.23 0.00	34.31 1.25 -0.02	33.12 1.46 -0.11	42.88 1.80 0.00	45.35 1.77 0.00	44.98 1.55 0.00	46.93 1.77 0.00	74.03 3.10 0.00	61.76 2.67 0.00	52.83 2.15 0.00	45.11 1.79 0.00	39.47 1.33 0.00
GLENWOOD_IC_3_G1 23689	33.74 1.11 0.00	34.99 1.00 0.00	34.51 0.76 0.00	32.68 0.64 0.00	33.69 0.63 0.00	33.76 0.55 0.00	47.01 1.29 0.00	91.29 2.81 0.00	44.59 1.21 0.00	34.45 1.19 0.00	34.52 1.24 0.00	32.79 1.11 0.00	33.81 1.23 0.00	34.31 1.25 -0.02	33.12 1.46 -0.11	42.88 1.80 0.00	45.35 1.77 0.00	44.98 1.55 0.00	46.93 1.77 0.00	74.03 3.10 0.00	61.76 2.67 0.00	52.83 2.15 0.00	45.11 1.79 0.00	39.47 1.33 0.00
GLENWOOD___4 23550	33.79 1.17 0.00	35.05 1.06 0.00	34.57 0.82 0.00	32.73 0.68 0.00	33.74 0.68 0.00	33.81 0.60 0.00	47.11 1.39 0.00	91.51 3.03 0.00	44.70 1.31 0.00	34.53 1.28 0.00	34.61 1.32 0.00	32.85 1.18 0.00	33.89 1.31 0.00	34.39 1.33 -0.02	33.20 1.54 -0.11	42.99 1.92 0.00	45.47 1.89 0.00	45.11 1.68 0.00	47.04 1.89 0.00	74.22 3.29 0.00	61.93 2.84 0.00	52.96 2.28 0.00	45.23 1.90 0.00	39.56 1.42 0.00
GLENWOOD___5 23614	33.79 1.17 0.00	35.05 1.06 0.00	34.57 0.82 0.00	32.73 0.68 0.00	33.74 0.68 0.00	33.81 0.60 0.00	47.11 1.39 0.00	91.51 3.03 0.00	44.70 1.31 0.00	34.53 1.28 0.00	34.61 1.32 0.00	32.85 1.18 0.00	33.89 1.31 0.00	34.39 1.33 -0.02	33.20 1.54 -0.11	42.99 1.92 0.00	45.47 1.89 0.00	45.11 1.68 0.00	47.04 1.89 0.00	74.22 3.29 0.00	61.93 2.84 0.00	52.96 2.28 0.00	45.23 1.90 0.00	39.56 1.42 0.00
GLOBAL GREEN_PORT_GT1 23814	32.89 0.27 0.00	34.56 0.57 0.00	33.95 0.20 0.00	31.72 -0.33 0.00	33.02 -0.05 0.00	33.12 -0.09 0.00	46.02 0.30 0.00	89.58 1.10 0.00	42.93 -0.45 0.00	33.49 0.23 0.00	33.69 0.40 0.00	31.78 0.11 0.00	32.76 0.19 0.02	33.47 0.41 -0.02	32.41 0.75 -0.11	42.53 1.45 0.00	44.68 1.10 0.00	44.28 0.86 0.00	46.23 1.07 0.00	73.38 2.45 0.00	61.28 2.19 0.00	52.18 1.50 0.00	44.31 0.98 0.00	38.74 0.60 0.00
GLOBE___DSASP 323697	30.47 -2.16 0.00	32.35 -1.63 0.00	32.27 -1.48 0.00	30.63 -1.42 0.00	31.67 -1.40 0.00	31.74 -1.48 0.00	42.29 -3.43 0.00	80.31 -8.17 0.00	39.67 -3.71 0.00	30.67 -2.59 0.00	30.65 -2.64 0.00	29.33 -2.34 0.00	30.03 -2.55 0.00	30.59 -2.45 0.00	29.64 -1.91 0.00	38.44 -2.64 0.00	40.22 -3.36 0.00	39.90 -3.53 0.00	41.24 -3.92 0.00	64.34 -6.58 0.00	53.04 -6.05 0.00	45.57 -5.11 0.00	39.45 -3.87 0.00	35.08 -3.06 0.00
GOETHSLN___LBMP 323567	33.50 0.87 0.00	34.68 0.69 0.00	34.26 0.51 0.00	32.53 0.49 0.00	33.52 0.45 0.00	33.56 0.35 0.00	46.65 0.93 0.00	90.45 1.97 0.00	44.24 0.85 0.00	34.12 0.87 0.00	34.21 0.92 0.00	32.61 0.94 0.00	33.68 1.10 0.00	34.56 1.16 -0.36	35.34 1.31 -2.48	42.52 1.44 0.00	44.97 1.39 0.00	44.79 1.36 0.00	46.69 1.53 0.00	73.51 2.58 0.00	61.16 2.07 0.00	52.36 1.67 0.00	44.71 1.38 0.00	39.19 1.06 0.00
GOLAH___69_KV_TB 1_2 80279	31.84 -0.79 0.00	33.60 -0.39 0.00	33.48 -0.27 0.00	31.84 -0.20 0.00	32.96 -0.11 0.00	33.14 -0.07 0.00	44.83 -0.90 0.00	85.83 -2.65 0.00	42.06 -1.33 0.00	32.15 -1.11 0.00	31.97 -1.32 0.00	30.51 -1.16 0.00	31.42 -1.16 0.00	32.03 -1.01 0.00	30.96 -0.59 0.00	40.30 -0.77 0.00	42.46 -1.12 0.00	42.21 -1.22 0.00	43.77 -1.40 0.00	68.66 -2.27 0.00	56.75 -2.34 0.00	48.61 -2.07 0.00	41.76 -1.56 0.00	36.85 -1.29 0.00



GOODYEAR_LAKE_HYD 323669	33.38 0.75 0.00	34.81 0.82 0.00	34.62 0.87 0.00	32.93 0.89 0.00	33.99 0.92 0.00	34.21 1.00 0.00	47.28 1.56 0.00	91.72 3.23 0.00	44.80 1.41 0.00	34.25 0.99 0.00	34.16 0.88 0.00	32.53 0.86 0.00	33.47 0.89 0.00	34.05 1.01 0.00	32.67 1.12 0.00	42.51 1.44 0.00	45.12 1.54 0.00	45.02 1.59 0.00	46.80 1.64 0.00	73.53 2.60 0.00	61.10 2.01 0.00	52.31 1.63 0.00	44.66 1.33 0.00	39.18 1.04 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	32.19 -0.44 0.00	33.61 -0.38 0.00	33.38 -0.36 0.00	31.77 -0.27 0.00	32.77 -0.29 0.00	32.95 -0.26 0.00	45.36 -0.36 0.00	87.65 -0.83 0.00	42.97 -0.42 0.00	32.87 -0.39 0.00	32.75 -0.54 0.00	31.22 -0.45 0.00	32.13 -0.45 0.00	32.65 -0.40 0.00	31.38 -0.17 0.00	40.89 -0.18 0.00	43.19 -0.39 0.00	43.00 -0.42 0.00	44.66 -0.50 0.00	70.32 -0.61 0.00	58.39 -0.70 0.00	50.03 -0.66 0.00	42.82 -0.50 0.00	37.61 -0.53 0.00
GOUDEY___7 23579	32.19 -0.44 0.00	33.61 -0.38 0.00	33.38 -0.36 0.00	31.77 -0.27 0.00	32.77 -0.29 0.00	32.95 -0.26 0.00	45.36 -0.36 0.00	87.65 -0.83 0.00	42.97 -0.42 0.00	32.87 -0.39 0.00	32.75 -0.54 0.00	31.22 -0.45 0.00	32.13 -0.45 0.00	32.65 -0.40 0.00	31.38 -0.17 0.00	40.89 -0.18 0.00	43.19 -0.39 0.00	43.00 -0.42 0.00	44.66 -0.50 0.00	70.32 -0.61 0.00	58.39 -0.70 0.00	50.03 -0.66 0.00	42.82 -0.50 0.00	37.61 -0.53 0.00
GOUDEY___8 23580	32.19 -0.44 0.00	33.61 -0.38 0.00	33.38 -0.36 0.00	31.77 -0.27 0.00	32.77 -0.29 0.00	32.95 -0.26 0.00	45.36 -0.36 0.00	87.65 -0.83 0.00	42.97 -0.42 0.00	32.87 -0.39 0.00	32.75 -0.54 0.00	31.22 -0.45 0.00	32.13 -0.45 0.00	32.65 -0.40 0.00	31.38 -0.17 0.00	40.89 -0.18 0.00	43.19 -0.39 0.00	43.00 -0.42 0.00	44.66 -0.50 0.00	70.32 -0.61 0.00	58.39 -0.70 0.00	50.03 -0.66 0.00	42.82 -0.50 0.00	37.61 -0.53 0.00
GOWANUS_GT1_1 24077	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT1_2 24078	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT1_3 24079	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT1_4 24080	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT1_5 24084	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT1_6 24111	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT1_7 24112	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT1_8 24113	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.15 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT2_1 24114	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
GOWANUS_GT2_2 24115	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
GOWANUS_GT2_3 24116	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81



GOWANUS_GT2_4 24117	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
GOWANUS_GT2_5 24118	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
GOWANUS_GT2_6 24119	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
GOWANUS_GT2_7 24120	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
GOWANUS_GT2_8 24121	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_1 24122	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_2 24123	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_3 24124	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_4 24125	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_5 24126	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_6 24127	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_7 24128	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT3_8 24129	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.05 -12.77	57.61 1.66 -17.81
GOWANUS_GT4_1 24130	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT4_2 24131	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81



GOWANUS_GT4_3 24132	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT4_4 24133	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT4_5 24134	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT4_6 24135	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT4_7 24136	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GOWANUS_GT4_8 24137	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GREENBSH_115KV_TB3 55895	33.42 0.79 0.00	34.75 0.76 0.00	34.37 0.62 0.00	32.65 0.61 0.00	33.75 0.68 0.00	33.83 0.62 0.00	46.72 1.00 0.00	90.25 1.77 0.00	44.23 0.84 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.03 0.45 0.00	33.34 0.30 0.00	31.91 0.37 0.00	41.60 0.53 0.00	44.28 0.69 0.00	44.18 0.75 0.00	45.97 0.81 0.00	72.18 1.26 0.00	60.21 1.11 0.00	51.66 0.98 0.00	44.14 0.81 0.00	38.94 0.80 0.00
GREENDGE_115KV_TB5 80291	31.94 -0.69 0.00	33.53 -0.46 0.00	33.36 -0.39 0.00	31.74 -0.30 0.00	32.87 -0.20 0.00	33.15 -0.07 0.00	45.45 -0.27 0.00	87.32 -1.16 0.00	42.84 -0.54 0.00	32.61 -0.64 0.00	32.27 -1.01 0.00	30.69 -0.98 0.00	31.51 -1.07 0.00	32.09 -0.95 0.00	30.99 -0.56 0.00	40.75 -0.33 0.00	43.08 -0.50 0.00	42.87 -0.56 0.00	44.59 -0.57 0.00	69.79 -1.14 0.00	57.70 -1.39 0.00	49.61 -1.07 0.00	42.44 -0.88 0.00	37.23 -0.91 0.00
GREENIDGE___3 23582	31.94 -0.69 0.00	33.53 -0.46 0.00	33.36 -0.39 0.00	31.74 -0.30 0.00	32.87 -0.20 0.00	33.15 -0.07 0.00	45.45 -0.27 0.00	87.32 -1.16 0.00	42.84 -0.54 0.00	32.61 -0.64 0.00	32.27 -1.01 0.00	30.69 -0.98 0.00	31.51 -1.07 0.00	32.09 -0.95 0.00	30.99 -0.56 0.00	40.75 -0.33 0.00	43.08 -0.50 0.00	42.87 -0.56 0.00	44.59 -0.57 0.00	69.79 -1.14 0.00	57.70 -1.39 0.00	49.61 -1.07 0.00	42.44 -0.88 0.00	37.23 -0.91 0.00
GREENIDGE___4 23583	31.94 -0.68 0.00	33.53 -0.46 0.00	33.36 -0.39 0.00	31.74 -0.31 0.00	32.87 -0.20 0.00	33.15 -0.07 0.00	45.45 -0.27 0.00	87.32 -1.16 0.00	42.84 -0.55 0.00	32.61 -0.65 0.00	32.28 -1.01 0.00	30.69 -0.98 0.00	31.51 -1.07 0.00	32.09 -0.95 0.00	30.99 -0.56 0.00	40.75 -0.32 0.00	43.08 -0.50 0.00	42.88 -0.55 0.00	44.59 -0.57 0.00	69.79 -1.14 0.00	57.70 -1.38 0.00	49.62 -1.07 0.00	42.44 -0.89 0.00	37.24 -0.90 0.00
GREENLWN_69_KV_BK 3 55738	33.59 0.96 0.00	34.88 0.89 0.00	34.37 0.62 0.00	32.49 0.45 0.00	33.45 0.38 0.00	33.48 0.27 0.00	46.62 0.90 0.00	90.59 2.11 0.00	44.21 0.83 0.00	34.26 1.00 0.00	34.42 1.13 0.00	32.62 0.95 0.00	33.61 1.02 0.00	34.12 1.07 -0.02	32.96 1.30 -0.11	42.76 1.69 0.00	45.15 1.56 0.00	44.56 1.13 0.00	46.50 1.35 0.00	73.41 2.48 0.00	61.33 2.24 0.00	52.51 1.83 0.00	44.91 1.58 0.00	39.30 1.16 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81
GRISSOM___SOLAR 323813	34.16 1.53 0.00	35.63 1.64 0.00	35.41 1.66 0.00	33.62 1.58 0.00	34.69 1.62 0.00	34.95 1.73 0.00	48.28 2.57 0.00	93.58 5.10 0.00	45.00 1.61 0.00	33.56 0.30 0.00	33.44 0.16 0.00	31.87 0.20 0.00	32.95 0.37 0.00	33.47 0.43 0.00	32.24 0.69 0.00	42.24 1.16 0.00	45.34 1.76 0.00	45.80 2.37 0.00	47.81 2.65 0.00	75.23 4.30 0.00	62.58 3.49 0.00	53.52 2.84 0.00	45.60 2.27 0.00	40.04 1.90 0.00
GROVEVILLE___HYD 323602	33.75 1.12 0.00	35.00 1.01 0.00	34.60 0.85 0.00	32.85 0.81 0.00	33.89 0.82 0.00	33.98 0.77 0.00	47.19 1.47 0.00	91.54 3.06 0.00	45.04 1.65 0.00	34.49 1.23 0.00	34.43 1.14 0.00	32.67 1.00 0.00	33.61 1.03 0.00	34.03 0.99 0.00	32.53 0.98 0.00	42.10 1.03 0.00	44.67 1.09 0.00	44.54 1.12 0.00	46.46 1.30 0.00	73.16 2.24 0.00	61.02 1.94 0.00	52.29 1.61 0.00	44.60 1.27 0.00	39.34 1.20 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	32.01 -0.62 0.00	33.39 -0.60 0.00	33.17 -0.58 0.00	31.53 -0.52 0.00	32.54 -0.53 0.00	32.73 -0.48 0.00	44.98 -0.74 0.00	86.88 -1.60 0.00	42.55 -0.84 0.00	32.56 -0.70 0.00	32.58 -0.71 0.00	31.01 -0.66 0.00	31.89 -0.69 0.00	32.42 -0.62 0.00	31.14 -0.40 0.00	40.53 -0.54 0.00	42.78 -0.80 0.00	42.58 -0.85 0.00	44.28 -0.88 0.00	69.59 -1.34 0.00	57.81 -1.28 0.00	49.57 -1.12 0.00	42.39 -0.94 0.00	37.28 -0.86 0.00



HAMLTNNY_34_KV_TB 80303	32.09 -0.54 0.00	33.47 -0.52 0.00	33.25 -0.50 0.00	31.61 -0.43 0.00	32.64 -0.43 0.00	32.84 -0.37 0.00	45.11 -0.61 0.00	87.11 -1.37 0.00	42.64 -0.75 0.00	32.57 -0.68 0.00	32.52 -0.76 0.00	30.96 -0.71 0.00	31.83 -0.75 0.00	32.41 -0.63 0.00	31.16 -0.39 0.00	40.59 -0.48 0.00	42.87 -0.71 0.00	42.68 -0.75 0.00	44.38 -0.78 0.00	69.78 -1.15 0.00	57.93 -1.16 0.00	49.64 -1.04 0.00	42.45 -0.87 0.00	37.33 -0.81 0.00
HAMPSHIRE___PAPER_HYD 323593	32.84 0.22 0.00	34.39 0.40 0.00	34.14 0.39 0.00	32.36 0.31 0.00	33.38 0.31 0.00	33.92 0.70 0.00	46.81 1.09 0.00	91.10 2.62 0.00	44.59 1.20 0.00	33.97 0.71 0.00	33.90 0.61 0.00	32.10 0.43 0.00	32.92 0.34 0.00	33.54 0.49 0.00	31.91 0.36 0.00	41.72 0.64 0.00	44.46 0.88 0.00	44.49 1.07 0.00	46.20 1.05 0.00	72.77 1.84 0.00	60.82 1.73 0.00	52.10 1.41 0.00	44.42 1.09 0.00	38.94 0.80 0.00
HARDSCRABBLE_WT_PWR 323673	32.09 -0.54 0.00	33.40 -0.59 0.00	33.21 -0.54 0.00	31.69 -0.35 0.00	32.72 -0.35 0.00	32.88 -0.33 0.00	45.73 0.00 0.00	88.61 0.13 0.00	43.03 -0.36 0.00	32.46 -0.80 0.00	32.39 -0.90 0.00	30.83 -0.84 0.00	31.73 -0.85 0.00	32.15 -0.89 0.00	30.90 -0.65 0.00	40.43 -0.64 0.00	43.32 -0.26 0.00	43.47 0.05 0.00	45.39 0.23 0.00	71.30 0.37 0.00	59.17 0.08 0.00	50.57 -0.11 0.00	43.10 -0.22 0.00	37.85 -0.29 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	33.45 0.83 0.00	34.70 0.71 0.00	34.32 0.57 0.00	32.60 0.55 0.00	33.62 0.55 0.00	33.69 0.48 0.00	46.78 1.06 0.00	90.73 2.26 0.00	44.34 0.95 0.00	34.00 0.75 0.00	33.97 0.68 0.00	32.29 0.63 0.00	33.30 0.72 0.00	33.83 0.79 0.00	32.58 1.03 0.00	42.29 1.22 0.00	44.80 1.22 0.00	44.64 1.22 0.00	46.57 1.42 0.00	73.32 2.39 0.00	61.05 1.97 0.00	52.28 1.60 0.00	44.61 1.28 0.00	39.10 0.96 0.00
HARSNRAD_115KV_TB1 81005	30.95 -1.68 0.00	32.81 -1.18 0.00	32.74 -1.01 0.00	31.08 -0.97 0.00	32.15 -0.91 0.00	32.23 -0.98 0.00	43.05 -2.67 0.00	81.87 -6.61 0.00	40.41 -2.98 0.00	31.13 -2.13 0.00	31.02 -2.27 0.00	29.67 -2.01 0.00	30.42 -2.17 0.00	30.97 -2.07 0.00	30.01 -1.54 0.00	39.03 -2.04 0.00	40.81 -2.77 0.00	40.48 -2.94 0.00	41.90 -3.25 0.00	65.50 -5.43 0.00	54.05 -5.04 0.00	46.42 -4.26 0.00	40.16 -3.17 0.00	35.60 -2.54 0.00
HARZA MOOSE___RIVER 24016	32.96 0.34 0.00	34.50 0.51 0.00	34.14 0.39 0.00	32.41 0.37 0.00	33.47 0.40 0.00	34.02 0.80 0.00	47.17 1.45 0.00	91.62 3.14 0.00	44.73 1.34 0.00	34.02 0.76 0.00	33.92 0.63 0.00	32.13 0.46 0.00	32.99 0.40 0.00	33.61 0.57 0.00	32.24 0.69 0.00	42.17 1.10 0.00	44.90 1.32 0.00	44.93 1.51 0.00	46.64 1.48 0.00	73.43 2.50 0.00	61.28 2.20 0.00	52.46 1.78 0.00	44.67 1.34 0.00	39.06 0.92 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	31.81 -0.82 0.00	33.21 -0.78 0.00	32.98 -0.77 0.00	31.35 -0.69 0.00	32.36 -0.71 0.00	32.53 -0.68 0.00	44.67 -1.06 0.00	86.32 -2.16 0.00	42.27 -1.11 0.00	32.38 -0.88 0.00	32.41 -0.88 0.00	30.87 -0.80 0.00	31.75 -0.84 0.00	32.25 -0.79 0.00	30.99 -0.56 0.00	40.31 -0.76 0.00	42.52 -1.06 0.00	42.30 -1.12 0.00	43.97 -1.19 0.00	69.09 -1.83 0.00	57.40 -1.69 0.00	49.19 -1.49 0.00	42.08 -1.24 0.00	37.02 -1.12 0.00
HELLGATE_13_KV_LD 55870	33.79 1.16 0.00	34.97 0.98 0.00	34.56 0.81 0.00	32.81 0.76 0.00	33.77 0.70 0.00	33.84 0.63 0.00	47.07 1.35 0.00	91.14 2.67 0.00	44.67 1.29 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.98 1.26 -1.05	34.75 1.43 -0.74	35.05 1.47 -0.54	36.17 1.60 -3.02	42.84 1.76 0.00	45.31 1.73 0.00	45.13 1.70 0.00	47.08 1.92 0.00	74.00 3.08 0.00	61.64 2.55 0.00	52.75 2.07 0.00	45.02 1.69 0.00	39.52 1.38 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	33.79 1.16 0.00	34.97 0.98 0.00	34.56 0.81 0.00	32.81 0.76 0.00	33.77 0.70 0.00	33.84 0.63 0.00	47.07 1.35 0.00	91.14 2.67 0.00	44.67 1.29 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.98 1.26 -1.05	34.75 1.43 -0.74	35.05 1.47 -0.54	36.17 1.60 -3.02	42.84 1.76 0.00	45.31 1.73 0.00	45.13 1.70 0.00	47.08 1.92 0.00	74.00 3.08 0.00	61.64 2.55 0.00	52.75 2.07 0.00	45.02 1.69 0.00	39.52 1.38 0.00
HEMPSTEAD____ 23647	33.62 0.99 0.00	34.86 0.87 0.00	34.38 0.63 0.00	32.53 0.49 0.00	33.55 0.48 0.00	33.62 0.41 0.00	46.85 1.13 0.00	91.00 2.52 0.00	44.44 1.06 0.00	34.35 1.09 0.00	34.42 1.13 0.00	32.66 0.99 0.00	33.69 1.11 0.00	34.19 1.13 -0.02	33.00 1.34 -0.11	42.76 1.68 0.00	45.22 1.64 0.00	44.82 1.39 0.00	46.79 1.63 0.00	73.84 2.91 0.00	61.60 2.51 0.00	52.69 2.00 0.00	44.98 1.66 0.00	39.35 1.21 0.00
HEWLETT_69_KV_BK3 55828	33.93 1.31 0.00	35.17 1.18 0.00	34.68 0.93 0.00	32.85 0.80 0.00	33.84 0.77 0.00	33.91 0.70 0.00	47.20 1.49 0.00	91.64 3.16 0.00	44.78 1.39 0.00	34.59 1.33 0.00	34.67 1.38 0.00	32.93 1.27 0.00	34.00 1.41 0.00	34.48 1.43 -0.02	33.29 1.63 -0.11	43.06 1.98 0.00	45.56 1.98 0.00	45.20 1.77 0.00	47.17 2.01 0.00	74.47 3.54 0.00	62.09 3.01 0.00	53.14 2.46 0.00	45.40 2.08 0.00	39.71 1.57 0.00
HICKLING___1 23621	31.76 -0.87 0.00	33.34 -0.65 0.00	33.17 -0.58 0.00	31.58 -0.46 0.00	32.67 -0.40 0.00	32.92 -0.29 0.00	45.19 -0.53 0.00	87.01 -1.47 0.00	42.68 -0.71 0.00	32.56 -0.70 0.00	32.28 -1.01 0.00	30.83 -0.84 0.00	31.68 -0.90 0.00	32.20 -0.84 0.00	31.05 -0.50 0.00	40.76 -0.31 0.00	42.82 -0.76 0.00	42.57 -0.86 0.00	44.25 -0.91 0.00	69.73 -1.19 0.00	57.63 -1.46 0.00	49.37 -1.31 0.00	42.26 -1.06 0.00	37.00 -1.14 0.00
HICKLING___2 23622	31.76 -0.87 0.00	33.34 -0.65 0.00	33.17 -0.58 0.00	31.58 -0.46 0.00	32.67 -0.40 0.00	32.92 -0.29 0.00	45.19 -0.53 0.00	87.01 -1.47 0.00	42.68 -0.71 0.00	32.56 -0.70 0.00	32.28 -1.01 0.00	30.83 -0.84 0.00	31.68 -0.90 0.00	32.20 -0.84 0.00	31.05 -0.50 0.00	40.76 -0.31 0.00	42.82 -0.76 0.00	42.57 -0.86 0.00	44.25 -0.91 0.00	69.73 -1.19 0.00	57.63 -1.46 0.00	49.37 -1.31 0.00	42.26 -1.06 0.00	37.00 -1.14 0.00
HIGH FALLS___HY 23754	33.65 1.02 0.00	34.95 0.97 0.00	34.58 0.83 0.00	32.85 0.80 0.00	33.87 0.80 0.00	33.99 0.78 0.00	47.24 1.52 0.00	91.73 3.25 0.00	44.95 1.56 0.00	34.39 1.13 0.00	34.21 0.92 0.00	32.48 0.81 0.00	33.41 0.83 0.00	33.94 0.91 0.00	32.62 1.08 0.00	42.55 1.48 0.00	45.26 1.68 0.00	45.14 1.72 0.00	47.13 1.97 0.00	74.28 3.35 0.00	61.82 2.74 0.00	52.93 2.25 0.00	45.15 1.82 0.00	39.61 1.47 0.00
HIGH_RIVER___SOLAR 323847	33.59 0.96 0.00	34.99 1.00 0.00	34.70 0.95 0.00	32.97 0.93 0.00	34.03 0.97 0.00	34.21 1.00 0.00	47.26 1.54 0.00	91.45 2.97 0.00	44.35 0.96 0.00	33.41 0.15 0.00	33.22 -0.06 0.00	31.61 -0.06 0.00	32.53 -0.05 0.00	33.09 0.05 0.00	31.81 0.26 0.00	41.63 0.56 0.00	44.49 0.91 0.00	44.80 1.38 0.00	46.76 1.60 0.00	73.54 2.61 0.00	61.23 2.14 0.00	52.44 1.76 0.00	44.74 1.42 0.00	39.34 1.21 0.00



HILLBURN___GT 23639	33.35 0.72 0.00	34.58 0.59 0.00	34.19 0.44 0.00	32.48 0.44 0.00	33.49 0.43 0.00	33.56 0.35 0.00	46.57 0.85 0.00	90.37 1.89 0.00	44.13 0.75 0.00	33.89 0.63 0.00	33.87 0.58 0.00	32.22 0.55 0.00	33.23 0.65 0.00	33.76 0.72 0.00	32.47 0.92 0.00	42.13 1.06 0.00	44.58 1.00 0.00	44.42 0.99 0.00	46.35 1.19 0.00	72.98 2.05 0.00	60.79 1.70 0.00	52.05 1.37 0.00	44.44 1.11 0.00	38.93 0.79 0.00
HILLSIDE_115KV_TB1 80332	31.47 -1.16 0.00	32.96 -1.03 0.00	32.75 -1.00 0.00	31.18 -0.86 0.00	32.19 -0.88 0.00	32.41 -0.81 0.00	44.54 -1.18 0.00	85.84 -2.64 0.00	42.16 -1.23 0.00	32.25 -1.01 0.00	32.02 -1.27 0.00	30.59 -1.08 0.00	31.48 -1.11 0.00	31.99 -1.05 0.00	30.82 -0.73 0.00	40.22 -0.85 0.00	42.32 -1.26 0.00	42.12 -1.31 0.00	43.74 -1.42 0.00	68.97 -1.95 0.00	57.07 -2.02 0.00	48.88 -1.81 0.00	41.88 -1.45 0.00	36.71 -1.43 0.00
HISHELDN_WT_PWR 323625	30.89 -1.74 0.00	32.69 -1.30 0.00	32.64 -1.11 0.00	31.04 -1.00 0.00	32.18 -0.89 0.00	32.33 -0.89 0.00	43.51 -2.21 0.00	82.99 -5.49 0.00	40.78 -2.61 0.00	31.15 -2.11 0.00	30.96 -2.33 0.00	29.64 -2.03 0.00	30.34 -2.24 0.00	30.79 -2.25 0.00	29.83 -1.72 0.00	39.14 -1.94 0.00	40.77 -2.81 0.00	40.38 -3.04 0.00	42.07 -3.09 0.00	66.05 -4.88 0.00	54.41 -4.68 0.00	46.68 -4.00 0.00	40.11 -3.22 0.00	35.37 -2.77 0.00
HOLTSVILLE_IC_1 23690	33.51 0.88 0.00	34.82 0.83 0.00	34.26 0.51 0.00	32.31 0.27 0.00	33.38 0.31 0.00	33.44 0.23 0.00	46.61 0.88 0.00	90.64 2.16 0.00	44.01 0.62 0.00	34.17 0.91 0.00	34.25 0.96 0.00	32.38 0.71 0.00	33.27 0.71 0.02	33.83 0.77 -0.02	32.70 1.04 -0.11	42.65 1.57 0.00	44.94 1.36 0.00	44.40 0.98 0.00	46.41 1.25 0.00	73.38 2.46 0.00	61.40 2.31 0.00	52.39 1.71 0.00	44.74 1.42 0.00	39.10 0.96 0.00
HOLTSVILLE_IC_10 23699	33.61 0.98 0.00	34.92 0.93 0.00	34.35 0.60 0.00	32.39 0.35 0.00	33.48 0.41 0.00	33.54 0.33 0.00	46.78 1.06 0.00	91.02 2.54 0.00	44.15 0.77 0.00	34.29 1.03 0.00	34.35 1.07 0.00	32.44 0.77 0.00	33.32 0.75 0.02	33.87 0.81 -0.02	32.76 1.10 -0.11	42.80 1.72 0.00	45.06 1.48 0.00	44.53 1.10 0.00	46.57 1.42 0.00	73.71 2.78 0.00	61.68 2.59 0.00	52.59 1.91 0.00	44.90 1.58 0.00	39.22 1.08 0.00
HOLTSVILLE_IC_2 23691	33.51 0.88 0.00	34.82 0.83 0.00	34.26 0.51 0.00	32.31 0.27 0.00	33.38 0.31 0.00	33.44 0.23 0.00	46.61 0.88 0.00	90.64 2.16 0.00	44.01 0.62 0.00	34.17 0.91 0.00	34.25 0.96 0.00	32.38 0.71 0.00	33.27 0.71 0.02	33.83 0.77 -0.02	32.70 1.04 -0.11	42.65 1.57 0.00	44.94 1.36 0.00	44.40 0.98 0.00	46.41 1.25 0.00	73.38 2.46 0.00	61.40 2.31 0.00	52.39 1.71 0.00	44.74 1.42 0.00	39.10 0.96 0.00
HOLTSVILLE_IC_3 23692	33.51 0.88 0.00	34.82 0.83 0.00	34.26 0.51 0.00	32.31 0.27 0.00	33.38 0.31 0.00	33.44 0.23 0.00	46.61 0.88 0.00	90.64 2.16 0.00	44.01 0.62 0.00	34.17 0.91 0.00	34.25 0.96 0.00	32.38 0.71 0.00	33.27 0.71 0.02	33.83 0.77 -0.02	32.70 1.04 -0.11	42.65 1.57 0.00	44.94 1.36 0.00	44.40 0.98 0.00	46.41 1.25 0.00	73.38 2.46 0.00	61.40 2.31 0.00	52.39 1.71 0.00	44.74 1.42 0.00	39.10 0.96 0.00
HOLTSVILLE_IC_4 23693	33.51 0.88 0.00	34.82 0.83 0.00	34.26 0.51 0.00	32.31 0.27 0.00	33.38 0.31 0.00	33.44 0.23 0.00	46.61 0.88 0.00	90.64 2.16 0.00	44.01 0.62 0.00	34.17 0.91 0.00	34.25 0.96 0.00	32.38 0.71 0.00	33.27 0.71 0.02	33.83 0.77 -0.02	32.70 1.04 -0.11	42.65 1.57 0.00	44.94 1.36 0.00	44.40 0.98 0.00	46.41 1.25 0.00	73.38 2.46 0.00	61.40 2.31 0.00	52.39 1.71 0.00	44.74 1.42 0.00	39.10 0.96 0.00
HOLTSVILLE_IC_5 23694	33.51 0.88 0.00	34.82 0.83 0.00	34.26 0.51 0.00	32.31 0.27 0.00	33.38 0.31 0.00	33.44 0.23 0.00	46.61 0.88 0.00	90.64 2.16 0.00	44.01 0.62 0.00	34.17 0.91 0.00	34.25 0.96 0.00	32.38 0.71 0.00	33.27 0.71 0.02	33.83 0.77 -0.02	32.70 1.04 -0.11	42.65 1.57 0.00	44.94 1.36 0.00	44.40 0.98 0.00	46.41 1.25 0.00	73.38 2.46 0.00	61.40 2.31 0.00	52.39 1.71 0.00	44.74 1.42 0.00	39.10 0.96 0.00
HOLTSVILLE_IC_6 23695	33.61 0.98 0.00	34.92 0.93 0.00	34.35 0.60 0.00	32.39 0.35 0.00	33.48 0.41 0.00	33.54 0.33 0.00	46.78 1.06 0.00	91.02 2.54 0.00	44.15 0.77 0.00	34.29 1.03 0.00	34.35 1.07 0.00	32.44 0.77 0.00	33.32 0.75 0.02	33.87 0.81 -0.02	32.76 1.10 -0.11	42.80 1.72 0.00	45.06 1.48 0.00	44.53 1.10 0.00	46.57 1.42 0.00	73.71 2.78 0.00	61.68 2.59 0.00	52.59 1.91 0.00	44.90 1.58 0.00	39.22 1.08 0.00
HOLTSVILLE_IC_7 23696	33.61 0.98 0.00	34.92 0.93 0.00	34.35 0.60 0.00	32.39 0.35 0.00	33.48 0.41 0.00	33.54 0.33 0.00	46.78 1.06 0.00	91.02 2.54 0.00	44.15 0.77 0.00	34.29 1.03 0.00	34.35 1.07 0.00	32.44 0.77 0.00	33.32 0.75 0.02	33.87 0.81 -0.02	32.76 1.10 -0.11	42.80 1.72 0.00	45.06 1.48 0.00	44.53 1.10 0.00	46.57 1.42 0.00	73.71 2.78 0.00	61.68 2.59 0.00	52.59 1.91 0.00	44.90 1.58 0.00	39.22 1.08 0.00
HOLTSVILLE_IC_8 23697	33.61 0.98 0.00	34.92 0.93 0.00	34.35 0.60 0.00	32.39 0.35 0.00	33.48 0.41 0.00	33.54 0.33 0.00	46.78 1.06 0.00	91.02 2.54 0.00	44.15 0.77 0.00	34.29 1.03 0.00	34.35 1.07 0.00	32.44 0.77 0.00	33.32 0.75 0.02	33.87 0.81 -0.02	32.76 1.10 -0.11	42.80 1.72 0.00	45.06 1.48 0.00	44.53 1.10 0.00	46.57 1.42 0.00	73.71 2.78 0.00	61.68 2.59 0.00	52.59 1.91 0.00	44.90 1.58 0.00	39.22 1.08 0.00
HOLTSVILLE_IC_9 23698	33.61 0.98 0.00	34.92 0.93 0.00	34.35 0.60 0.00	32.39 0.35 0.00	33.48 0.41 0.00	33.54 0.33 0.00	46.78 1.06 0.00	91.02 2.54 0.00	44.15 0.77 0.00	34.29 1.03 0.00	34.35 1.07 0.00	32.44 0.77 0.00	33.32 0.75 0.02	33.87 0.81 -0.02	32.76 1.10 -0.11	42.80 1.72 0.00	45.06 1.48 0.00	44.53 1.10 0.00	46.57 1.42 0.00	73.71 2.78 0.00	61.68 2.59 0.00	52.59 1.91 0.00	44.90 1.58 0.00	39.22 1.08 0.00
HOMER_HL_115KV_TB2 355744	32.24 -0.39 0.00	34.01 0.02 0.00	33.78 0.03 0.00	32.16 0.12 0.00	33.10 0.04 0.00	33.02 -0.19 0.00	44.88 -0.84 0.00	86.43 -2.05 0.00	42.46 -0.93 0.00	32.72 -0.54 0.00	32.47 -0.82 0.00	31.14 -0.53 0.00	32.09 -0.49 0.00	32.73 -0.31 0.00	31.73 0.18 0.00	41.08 0.01 0.00	42.81 -0.77 0.00	42.30 -1.12 0.00	43.79 -1.37 0.00	69.12 -1.80 0.00	57.07 -2.02 0.00	48.93 -1.76 0.00	42.17 -1.15 0.00	37.13 -1.01 0.00
HOWARD_WT_PWR 323690	31.03 -1.60 0.00	32.99 -1.00 0.00	32.93 -0.82 0.00	31.36 -0.68 0.00	32.76 -0.30 0.00	33.14 -0.07 0.00	45.29 -0.43 0.00	86.67 -1.81 0.00	42.53 -0.86 0.00	32.19 -1.07 0.00	31.76 -1.53 0.00	30.30 -1.37 0.00	30.98 -1.61 0.00	31.37 -1.67 0.00	30.41 -1.14 0.00	40.21 -0.86 0.00	42.10 -1.48 0.00	41.76 -1.66 0.00	43.67 -1.49 0.00	68.54 -2.38 0.00	56.14 -2.95 0.00	48.15 -2.53 0.00	41.11 -2.22 0.00	36.03 -2.11 0.00



HQ_GEN_CEDARS 23644	33.42 0.79 0.00	34.86 0.87 0.00	34.77 1.02 0.00	32.93 0.89 0.00	33.95 0.89 0.00	34.18 0.97 0.00	46.88 1.16 0.00	91.01 2.53 0.00	44.83 1.45 0.00	34.40 1.14 0.00	34.39 1.11 0.00	32.72 1.05 0.00	33.65 1.07 0.00	34.13 1.09 0.00	32.23 0.68 0.00	41.97 0.89 0.00	44.73 1.15 0.00	44.60 1.17 0.00	46.35 1.19 0.00	72.78 1.85 0.00	60.78 1.69 0.00	52.18 1.50 0.00	44.62 1.29 0.00	39.33 1.20 0.00
HQ_GEN_CEDARS_PROXY 323590	33.42 0.79 0.00	34.86 0.87 0.00	34.77 1.02 0.00	32.93 0.89 0.00	33.95 0.89 0.00	34.18 0.97 0.00	46.88 1.16 0.00	91.01 2.53 0.00	44.83 1.45 0.00	34.40 1.15 0.00	34.39 1.11 0.00	32.72 1.05 0.00	33.65 1.07 0.00	34.13 1.08 0.00	32.23 0.68 0.00	41.97 0.90 0.00	44.73 1.15 0.00	44.59 1.17 0.00	46.35 1.19 0.00	72.78 1.85 0.00	60.77 1.69 0.00	52.18 1.49 0.00	44.62 1.29 0.00	39.33 1.20 0.00
HQ_GEN_IMPORT 323601	33.02 0.40 0.00	34.43 0.44 0.00	34.28 0.53 0.00	32.51 0.46 0.00	33.53 0.46 0.00	33.70 0.48 0.00	46.28 0.56 0.00	89.71 1.24 0.00	44.13 0.74 0.00	34.04 0.63 -0.15	33.90 0.61 0.00	32.26 0.59 0.00	33.18 0.59 0.00	33.63 0.59 0.00	31.85 0.30 0.00	41.49 0.42 0.00	44.18 0.60 0.00	44.03 0.61 0.00	45.75 0.59 0.00	71.82 0.89 0.00	59.92 0.83 0.00	51.43 0.75 0.00	43.98 0.65 0.00	38.74 0.61 0.00
HQ_GEN_WHEEL 23651	33.02 0.40 0.00	34.43 0.44 0.00	34.28 0.53 0.00	32.51 0.46 0.00	33.53 0.46 0.00	33.70 0.48 0.00	46.28 0.56 0.00	89.71 1.24 0.00	44.13 0.74 0.00	34.04 0.63 -0.15	33.90 0.61 0.00	32.26 0.59 0.00	33.18 0.59 0.00	33.63 0.59 0.00	31.85 0.30 0.00	41.49 0.42 0.00	44.18 0.60 0.00	44.03 0.61 0.00	45.75 0.59 0.00	71.82 0.89 0.00	59.92 0.83 0.00	51.43 0.75 0.00	43.98 0.65 0.00	38.74 0.61 0.00
HUDSON AVE_GT_3 23810	33.68 1.05 0.00	34.90 0.91 0.00	34.47 0.72 0.00	32.72 0.68 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.96 1.24 0.00	91.10 2.62 0.00	44.58 1.20 0.00	34.38 1.12 0.00	34.45 1.17 0.00	32.82 1.15 0.00	33.91 1.33 0.00	34.78 1.39 -0.36	35.55 1.52 -2.48	42.78 1.70 0.00	45.26 1.68 0.00	45.08 1.65 0.00	46.99 1.83 0.00	73.95 3.02 0.00	61.53 2.44 0.00	52.67 1.99 0.00	44.96 1.64 0.00	39.42 1.28 0.00
HUDSON AVE_GT_4 23540	33.68 1.05 0.00	34.90 0.91 0.00	34.47 0.72 0.00	32.72 0.68 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.96 1.24 0.00	91.10 2.62 0.00	44.58 1.20 0.00	34.38 1.12 0.00	34.45 1.17 0.00	32.82 1.15 0.00	33.91 1.33 0.00	34.78 1.39 -0.36	35.55 1.52 -2.48	42.78 1.70 0.00	45.26 1.68 0.00	45.08 1.65 0.00	46.99 1.83 0.00	73.95 3.02 0.00	61.53 2.44 0.00	52.67 1.99 0.00	44.96 1.64 0.00	39.42 1.28 0.00
HUDSON AVE_GT_5 23657	33.68 1.05 0.00	34.90 0.91 0.00	34.47 0.72 0.00	32.72 0.68 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.96 1.24 0.00	91.10 2.62 0.00	44.58 1.20 0.00	34.38 1.12 0.00	34.45 1.17 0.00	32.82 1.15 0.00	33.91 1.33 0.00	34.78 1.39 -0.36	35.55 1.52 -2.48	42.78 1.70 0.00	45.26 1.68 0.00	45.08 1.65 0.00	46.99 1.83 0.00	73.95 3.02 0.00	61.53 2.44 0.00	52.67 1.99 0.00	44.96 1.64 0.00	39.42 1.28 0.00
HUDSON_AVE_10 24168	33.56 0.93 0.00	34.78 0.79 0.00	34.35 0.60 0.00	32.61 0.57 0.00	33.61 0.54 0.00	33.64 0.43 0.00	46.77 1.05 0.00	90.75 2.27 0.00	44.41 1.03 0.00	34.24 0.99 0.00	34.32 1.03 0.00	32.71 1.04 0.00	33.82 1.24 0.00	34.69 1.29 -0.36	35.46 1.43 -2.48	42.64 1.56 0.00	45.11 1.53 0.00	44.91 1.49 0.00	46.83 1.67 0.00	73.67 2.75 0.00	61.32 2.23 0.00	52.48 1.80 0.00	44.80 1.47 0.00	39.30 1.16 0.00
HUDSON___115KV_TB 4 355613	33.96 1.33 0.00	35.31 1.33 0.00	34.95 1.20 0.00	33.21 1.17 0.00	34.35 1.28 0.00	34.51 1.29 0.00	47.73 2.02 0.00	92.35 3.87 0.00	45.17 1.78 0.00	34.33 1.08 0.00	34.13 0.84 0.00	32.31 0.64 0.00	33.15 0.56 0.00	33.45 0.41 0.00	31.96 0.40 0.00	41.72 0.65 0.00	44.68 1.10 0.00	45.00 1.58 0.00	46.89 1.73 0.00	73.67 2.74 0.00	61.36 2.28 0.00	52.59 1.91 0.00	44.90 1.57 0.00	39.57 1.43 0.00
HUNTER MOUNT___DRP 323613	34.13 1.51 0.00	35.51 1.52 0.00	35.15 1.40 0.00	33.40 1.36 0.00	34.56 1.49 0.00	34.74 1.53 0.00	48.08 2.36 0.00	93.02 4.54 0.00	45.50 2.11 0.00	34.53 1.27 0.00	34.29 1.00 0.00	32.41 0.74 0.00	33.21 0.63 0.00	33.50 0.46 0.00	31.96 0.41 0.00	41.78 0.71 0.00	44.82 1.24 0.00	45.21 1.79 0.00	47.11 1.95 0.00	73.99 3.06 0.00	61.60 2.51 0.00	52.79 2.11 0.00	45.05 1.73 0.00	39.70 1.57 0.00
HUNTINGTON_RES_REC 323705	33.58 0.95 0.00	34.87 0.88 0.00	34.33 0.58 0.00	32.42 0.37 0.00	33.43 0.36 0.00	33.48 0.26 0.00	46.66 0.94 0.00	90.74 2.26 0.00	44.19 0.81 0.00	34.28 1.02 0.00	34.37 1.08 0.00	32.56 0.90 0.00	33.56 0.97 -0.01	34.08 1.02 -0.02	32.94 1.28 -0.11	42.89 1.81 0.00	45.15 1.57 0.00	44.50 1.08 0.00	46.51 1.35 0.00	73.53 2.60 0.00	61.49 2.40 0.00	52.55 1.87 0.00	44.90 1.58 0.00	39.25 1.11 0.00
HUNTLEY___63 23557	31.27 -1.35 0.00	33.15 -0.84 0.00	33.05 -0.70 0.00	31.38 -0.66 0.00	32.46 -0.61 0.00	32.56 -0.65 0.00	43.55 -2.17 0.00	82.88 -5.60 0.00	40.93 -2.46 0.00	31.59 -1.67 0.00	31.50 -1.79 0.00	30.12 -1.55 0.00	30.84 -1.74 0.00	31.33 -1.71 0.00	30.37 -1.18 0.00	39.44 -1.64 0.00	41.24 -2.34 0.00	40.92 -2.51 0.00	42.33 -2.83 0.00	66.22 -4.71 0.00	54.74 -4.35 0.00	47.03 -3.65 0.00	40.67 -2.66 0.00	36.04 -2.09 0.00
HUNTLEY___64 23558	31.27 -1.35 0.00	33.15 -0.84 0.00	33.05 -0.70 0.00	31.38 -0.66 0.00	32.46 -0.61 0.00	32.56 -0.65 0.00	43.55 -2.17 0.00	82.88 -5.60 0.00	40.93 -2.46 0.00	31.59 -1.67 0.00	31.50 -1.79 0.00	30.12 -1.55 0.00	30.84 -1.74 0.00	31.33 -1.71 0.00	30.37 -1.18 0.00	39.44 -1.64 0.00	41.24 -2.34 0.00	40.92 -2.51 0.00	42.33 -2.83 0.00	66.22 -4.71 0.00	54.74 -4.35 0.00	47.03 -3.65 0.00	40.67 -2.66 0.00	36.04 -2.09 0.00
HUNTLEY___65 23559	31.27 -1.35 0.00	33.15 -0.84 0.00	33.05 -0.70 0.00	31.38 -0.66 0.00	32.46 -0.61 0.00	32.56 -0.65 0.00	43.55 -2.17 0.00	82.88 -5.60 0.00	40.93 -2.46 0.00	31.59 -1.67 0.00	31.50 -1.79 0.00	30.12 -1.55 0.00	30.84 -1.74 0.00	31.33 -1.71 0.00	30.37 -1.18 0.00	39.44 -1.64 0.00	41.24 -2.34 0.00	40.92 -2.51 0.00	42.33 -2.83 0.00	66.22 -4.71 0.00	54.74 -4.35 0.00	47.03 -3.65 0.00	40.67 -2.66 0.00	36.04 -2.09 0.00
HUNTLEY___66 23560	31.27 -1.35 0.00	33.15 -0.84 0.00	33.05 -0.70 0.00	31.38 -0.66 0.00	32.46 -0.61 0.00	32.56 -0.65 0.00	43.55 -2.17 0.00	82.88 -5.60 0.00	40.93 -2.46 0.00	31.59 -1.67 0.00	31.50 -1.79 0.00	30.12 -1.55 0.00	30.84 -1.74 0.00	31.33 -1.71 0.00	30.37 -1.18 0.00	39.44 -1.64 0.00	41.24 -2.34 0.00	40.92 -2.51 0.00	42.33 -2.83 0.00	66.22 -4.71 0.00	54.74 -4.35 0.00	47.03 -3.65 0.00	40.67 -2.66 0.00	36.04 -2.09 0.00



HUNTLEY___67 23561	31.19 -1.44 0.00	33.04 -0.95 0.00	32.96 -0.79 0.00	31.28 -0.76 0.00	32.34 -0.73 0.00	32.43 -0.78 0.00	43.41 -2.31 0.00	82.67 -5.82 0.00	40.80 -2.58 0.00	31.51 -1.75 0.00	31.40 -1.88 0.00	30.03 -1.63 0.00	30.79 -1.79 0.00	31.37 -1.67 0.00	30.40 -1.15 0.00	39.43 -1.64 0.00	41.27 -2.32 0.00	40.93 -2.49 0.00	42.34 -2.82 0.00	66.21 -4.71 0.00	54.63 -4.46 0.00	46.89 -3.79 0.00	40.52 -2.81 0.00	35.90 -2.24 0.00
HUNTLEY___68 23562	31.19 -1.44 0.00	33.04 -0.95 0.00	32.96 -0.79 0.00	31.28 -0.76 0.00	32.34 -0.73 0.00	32.43 -0.78 0.00	43.41 -2.31 0.00	82.67 -5.82 0.00	40.80 -2.58 0.00	31.51 -1.75 0.00	31.40 -1.88 0.00	30.03 -1.63 0.00	30.79 -1.79 0.00	31.37 -1.67 0.00	30.40 -1.15 0.00	39.43 -1.64 0.00	41.27 -2.32 0.00	40.93 -2.49 0.00	42.34 -2.82 0.00	66.21 -4.71 0.00	54.63 -4.46 0.00	46.89 -3.79 0.00	40.52 -2.81 0.00	35.90 -2.24 0.00
HYLAND___LFGE 323620	32.65 0.02 0.00	34.45 0.46 0.00	34.33 0.58 0.00	32.67 0.63 0.00	33.94 0.87 0.00	34.26 1.05 0.00	46.77 1.05 0.00	90.10 1.62 0.00	43.90 0.51 0.00	32.57 -0.69 0.00	32.05 -1.24 0.00	30.60 -1.07 0.00	31.50 -1.08 0.00	32.03 -1.01 0.00	31.03 -0.52 0.00	41.49 0.42 0.00	43.85 0.27 0.00	43.75 0.32 0.00	45.63 0.47 0.00	71.94 1.02 0.00	59.34 0.25 0.00	50.76 0.08 0.00	43.38 0.05 0.00	38.04 -0.10 0.00
INDECK___CORINTH 23802	33.25 0.62 0.00	34.58 0.59 0.00	34.23 0.48 0.00	32.54 0.50 0.00	33.67 0.60 0.00	33.91 0.70 0.00	47.01 1.29 0.00	90.72 2.24 0.00	44.22 0.83 0.00	33.57 0.31 0.00	33.39 0.10 0.00	31.79 0.12 0.00	32.75 0.17 0.00	33.07 0.03 0.00	32.01 0.46 0.00	41.92 0.85 0.00	44.92 1.34 0.00	44.77 1.35 0.00	46.68 1.52 0.00	73.39 2.46 0.00	61.30 2.21 0.00	52.60 1.92 0.00	44.79 1.47 0.00	39.37 1.24 0.00
INDECK___ILION 23567	32.49 -0.14 0.00	33.81 -0.18 0.00	33.56 -0.19 0.00	31.93 -0.12 0.00	32.96 -0.10 0.00	33.12 -0.09 0.00	45.89 0.17 0.00	88.85 0.37 0.00	43.31 -0.07 0.00	32.91 -0.35 0.00	32.89 -0.40 0.00	31.29 -0.38 0.00	32.21 -0.37 0.00	32.64 -0.40 0.00	31.30 -0.25 0.00	40.86 -0.21 0.00	43.58 -0.01 0.00	43.61 0.18 0.00	45.45 0.29 0.00	71.39 0.46 0.00	59.39 0.30 0.00	50.86 0.18 0.00	43.39 0.06 0.00	38.13 0.00 0.00
INDECK___OLEAN 23982	32.24 -0.39 0.00	34.01 0.02 0.00	33.78 0.03 0.00	32.17 0.12 0.00	33.10 0.03 0.00	33.02 -0.19 0.00	44.87 -0.85 0.00	86.44 -2.04 0.00	42.45 -0.93 0.00	32.72 -0.54 0.00	32.47 -0.82 0.00	31.14 -0.53 0.00	32.09 -0.49 0.00	32.73 -0.31 0.00	31.73 0.18 0.00	41.08 0.01 0.00	42.81 -0.77 0.00	42.33 -1.09 0.00	43.81 -1.36 0.00	69.13 -1.80 0.00	57.07 -2.02 0.00	48.93 -1.76 0.00	42.17 -1.15 0.00	37.14 -1.00 0.00
INDECK___OSWEGO 23783	31.52 -1.11 0.00	32.90 -1.09 0.00	32.67 -1.08 0.00	31.04 -1.01 0.00	32.03 -1.04 0.00	32.22 -0.99 0.00	44.24 -1.48 0.00	85.51 -2.97 0.00	41.87 -1.52 0.00	32.09 -1.17 0.00	32.16 -1.13 0.00	30.61 -1.06 0.00	31.48 -1.11 0.00	31.98 -1.05 0.00	30.71 -0.84 0.00	39.93 -1.14 0.00	42.10 -1.49 0.00	41.91 -1.51 0.00	43.56 -1.60 0.00	68.42 -2.50 0.00	56.90 -2.19 0.00	48.81 -1.88 0.00	41.74 -1.58 0.00	36.73 -1.41 0.00
INDECK___YERKES 23781	31.31 -1.31 0.00	33.18 -0.81 0.00	33.08 -0.67 0.00	31.42 -0.63 0.00	32.49 -0.58 0.00	32.59 -0.62 0.00	43.59 -2.13 0.00	82.96 -5.52 0.00	40.97 -2.42 0.00	31.61 -1.65 0.00	31.54 -1.75 0.00	30.16 -1.51 0.00	30.88 -1.70 0.00	31.38 -1.67 0.00	30.40 -1.14 0.00	39.48 -1.59 0.00	41.29 -2.29 0.00	41.00 -2.42 0.00	42.40 -2.76 0.00	66.30 -4.63 0.00	54.80 -4.28 0.00	47.08 -3.60 0.00	40.71 -2.62 0.00	36.10 -2.04 0.00
INDIAN POINT_GT_1 24139	33.38 0.75 0.00	34.61 0.62 0.00	34.22 0.47 0.00	32.49 0.45 0.00	33.49 0.43 0.00	33.56 0.34 0.00	46.59 0.87 0.00	90.36 1.88 0.00	44.15 0.76 0.00	33.92 0.66 0.00	33.93 0.64 0.00	32.28 0.61 0.00	33.30 0.71 0.00	33.80 0.75 0.00	32.49 0.94 0.00	42.15 1.08 0.00	44.62 1.05 0.00	44.47 1.05 0.00	46.39 1.24 0.00	73.03 2.11 0.00	60.83 1.74 0.00	52.09 1.41 0.00	44.47 1.15 0.00	39.00 0.86 0.00
INDIAN POINT_GT_2 23659	33.38 0.75 0.00	34.61 0.62 0.00	34.22 0.47 0.00	32.49 0.45 0.00	33.49 0.43 0.00	33.56 0.34 0.00	46.59 0.87 0.00	90.36 1.88 0.00	44.15 0.76 0.00	33.92 0.66 0.00	33.93 0.64 0.00	32.28 0.61 0.00	33.30 0.71 0.00	33.80 0.75 0.00	32.49 0.94 0.00	42.15 1.08 0.00	44.62 1.05 0.00	44.47 1.05 0.00	46.39 1.24 0.00	73.03 2.11 0.00	60.83 1.74 0.00	52.09 1.41 0.00	44.47 1.15 0.00	39.00 0.86 0.00
INDIAN POINT_GT_3 24019	33.38 0.75 0.00	34.61 0.62 0.00	34.22 0.47 0.00	32.49 0.45 0.00	33.49 0.43 0.00	33.56 0.34 0.00	46.59 0.87 0.00	90.36 1.88 0.00	44.15 0.76 0.00	33.92 0.66 0.00	33.93 0.64 0.00	32.28 0.61 0.00	33.30 0.71 0.00	33.80 0.75 0.00	32.49 0.94 0.00	42.15 1.08 0.00	44.62 1.05 0.00	44.47 1.05 0.00	46.39 1.24 0.00	73.03 2.11 0.00	60.83 1.74 0.00	52.09 1.41 0.00	44.47 1.15 0.00	39.00 0.86 0.00
INDIAN POINT___2 23530	33.26 0.64 0.00	34.50 0.51 0.00	34.11 0.36 0.00	32.41 0.36 0.00	33.41 0.34 0.00	33.46 0.25 0.00	46.44 0.72 0.00	90.06 1.58 0.00	44.00 0.61 0.00	33.79 0.53 0.00	33.76 0.48 0.00	32.13 0.46 0.00	33.13 0.55 0.00	33.64 0.60 0.00	32.35 0.80 0.00	41.98 0.91 0.00	44.43 0.85 0.00	44.28 0.85 0.00	46.20 1.04 0.00	72.74 1.81 0.00	60.58 1.49 0.00	51.88 1.20 0.00	44.30 0.97 0.00	38.83 0.69 0.00
INDIAN POINT___3 23531	33.38 0.76 0.00	34.62 0.63 0.00	34.22 0.47 0.00	32.49 0.45 0.00	33.49 0.43 0.00	33.55 0.34 0.00	46.59 0.87 0.00	90.32 1.84 0.00	44.15 0.76 0.00	33.94 0.68 0.00	33.96 0.67 0.00	32.31 0.64 0.00	33.33 0.75 0.00	33.84 0.78 -0.01	32.57 0.96 -0.06	42.17 1.09 0.00	44.64 1.06 0.00	44.48 1.05 0.00	46.40 1.24 0.00	73.04 2.11 0.00	60.83 1.74 0.00	52.10 1.42 0.00	44.47 1.15 0.00	39.01 0.87 0.00
INGHAM_C_115KV_TB7 356103	32.17 -0.45 0.00	33.42 -0.57 0.00	33.15 -0.60 0.00	31.62 -0.43 0.00	32.65 -0.42 0.00	32.81 -0.40 0.00	45.67 -0.05 0.00	88.44 -0.04 0.00	42.81 -0.58 0.00	32.14 -1.12 0.00	32.07 -1.21 0.00	30.53 -1.14 0.00	31.42 -1.16 0.00	31.83 -1.21 0.00	30.63 -0.92 0.00	40.15 -0.93 0.00	43.10 -0.48 0.00	43.34 -0.08 0.00	45.32 0.16 0.00	71.23 0.30 0.00	59.19 0.10 0.00	50.67 -0.01 0.00	43.18 -0.15 0.00	37.92 -0.21 0.00
IP CORINTH___1 23988	33.43 0.80 0.00	34.76 0.77 0.00	34.41 0.67 0.00	32.72 0.67 0.00	33.85 0.78 0.00	34.10 0.88 0.00	47.28 1.56 0.00	91.24 2.76 0.00	44.47 1.08 0.00	33.74 0.49 0.00	33.56 0.28 0.00	31.95 0.28 0.00	32.93 0.34 0.00	33.24 0.20 0.00	32.18 0.63 0.00	42.13 1.06 0.00	45.15 1.57 0.00	45.03 1.60 0.00	46.95 1.79 0.00	73.78 2.86 0.00	61.64 2.55 0.00	52.87 2.19 0.00	45.01 1.68 0.00	39.57 1.43 0.00



IP___TICONDEROGA 23804	34.72 2.09 0.00	35.98 1.99 0.00	35.58 1.83 0.00	33.89 1.85 0.00	35.10 2.04 0.00	35.46 2.25 0.00	49.57 3.85 0.00	95.15 6.67 0.00	46.23 2.84 0.00	34.79 1.53 0.00	34.54 1.25 0.00	32.96 1.29 0.00	33.90 1.32 0.00	34.09 1.05 0.00	33.46 1.91 0.00	44.14 3.07 0.00	47.52 3.94 0.00	47.35 3.93 0.00	49.50 4.34 0.00	77.77 6.85 0.00	65.31 6.22 0.00	55.90 5.21 0.00	47.55 4.22 0.00	41.44 3.30 0.00
ISLIP_RES_REC 323679	33.73 1.10 0.00	35.03 1.03 0.00	34.45 0.70 0.00	32.49 0.45 0.00	33.58 0.52 0.00	33.66 0.45 0.00	46.97 1.26 0.00	91.43 2.96 0.00	44.34 0.96 0.00	34.43 1.18 0.00	34.47 1.19 0.00	32.54 0.87 0.00	33.43 0.86 0.02	33.99 0.93 -0.02	32.86 1.19 -0.11	42.97 1.90 0.00	45.24 1.66 0.00	44.70 1.28 0.00	46.78 1.63 0.00	74.05 3.12 0.00	61.96 2.87 0.00	52.82 2.14 0.00	45.07 1.75 0.00	39.36 1.22 0.00
JAMAICA__27_KV_LOAD 355505	33.67 1.04 0.00	34.95 0.96 0.00	34.51 0.76 0.00	32.78 0.74 0.00	33.74 0.67 0.00	33.74 0.53 0.00	46.89 1.17 0.00	91.06 2.59 0.00	44.55 1.16 0.00	34.33 1.08 0.00	34.40 1.11 0.00	32.81 1.14 0.00	34.03 1.45 0.00	34.88 1.48 -0.36	35.65 1.63 -2.48	42.81 1.73 0.00	45.28 1.70 0.00	45.06 1.64 0.00	46.98 1.82 0.00	73.95 3.03 0.00	61.52 2.43 0.00	52.75 2.07 0.00	45.02 1.70 0.00	39.53 1.39 0.00
JANIS___SOLAR 323808	32.78 0.15 0.00	34.30 0.31 0.00	34.24 0.49 0.00	32.80 0.76 0.00	33.92 0.85 0.00	34.26 1.04 0.00	47.41 1.68 0.00	92.05 3.57 0.00	44.82 1.44 0.00	33.72 0.46 0.00	33.27 -0.02 0.00	31.55 -0.12 0.00	32.35 -0.23 0.00	32.94 -0.10 0.00	31.77 0.22 0.00	41.84 0.77 0.00	45.09 1.51 0.00	45.00 1.57 0.00	46.91 1.75 0.00	73.90 2.98 0.00	61.30 2.21 0.00	52.39 1.71 0.00	44.72 1.39 0.00	39.15 1.01 0.00
JARVIS____ 23743	32.65 0.02 0.00	34.00 0.01 0.00	33.72 -0.03 0.00	32.02 -0.03 0.00	33.06 -0.01 0.00	33.21 0.00 0.00	45.84 0.12 0.00	88.72 0.24 0.00	43.44 0.05 0.00	33.25 -0.01 0.00	33.26 -0.03 0.00	31.63 -0.04 0.00	32.55 -0.03 0.00	32.99 -0.05 0.00	31.57 0.02 0.00	41.13 0.06 0.00	43.66 0.08 0.00	43.54 0.11 0.00	45.29 0.14 0.00	71.15 0.22 0.00	59.27 0.18 0.00	50.83 0.14 0.00	43.40 0.08 0.00	38.18 0.04 0.00
JENNISON___1 23625	32.13 -0.50 0.00	33.59 -0.40 0.00	33.81 0.06 0.00	32.62 0.57 0.00	33.63 0.57 0.00	34.00 0.79 0.00	47.22 1.50 0.00	92.04 3.56 0.00	44.95 1.56 0.00	34.16 0.90 0.00	33.80 0.52 0.00	32.11 0.44 0.00	33.00 0.41 0.00	33.54 0.50 0.00	32.26 0.71 0.00	42.32 1.25 0.00	45.20 1.62 0.00	44.95 1.52 0.00	46.69 1.53 0.00	73.17 2.24 0.00	60.74 1.65 0.00	52.05 1.36 0.00	44.56 1.23 0.00	38.95 0.81 0.00
JENNISON___2 23626	32.13 -0.50 0.00	33.59 -0.40 0.00	33.81 0.06 0.00	32.62 0.57 0.00	33.63 0.57 0.00	34.00 0.79 0.00	47.22 1.50 0.00	92.04 3.56 0.00	44.95 1.56 0.00	34.16 0.90 0.00	33.80 0.52 0.00	32.11 0.44 0.00	33.00 0.41 0.00	33.54 0.50 0.00	32.26 0.71 0.00	42.32 1.25 0.00	45.20 1.62 0.00	44.95 1.52 0.00	46.69 1.53 0.00	73.17 2.24 0.00	60.74 1.65 0.00	52.05 1.36 0.00	44.56 1.23 0.00	38.95 0.81 0.00
JERICHO_RISE_WT_PWR 323719	32.81 0.18 0.00	34.30 0.31 0.00	34.53 0.78 0.00	32.74 0.70 0.00	33.75 0.68 0.00	33.98 0.77 0.00	46.80 1.08 0.00	91.18 2.70 0.00	44.98 1.60 0.00	34.50 1.24 0.00	34.50 1.21 0.00	32.86 1.19 0.00	33.77 1.19 0.00	34.20 1.17 0.00	32.36 0.81 0.00	42.15 1.07 0.00	44.94 1.36 0.00	44.75 1.33 0.00	46.57 1.41 0.00	73.11 2.18 0.00	60.97 1.88 0.00	52.28 1.60 0.00	44.73 1.40 0.00	39.45 1.31 0.00
KATONAH__115KV_46KV_TB4 355592	33.68 1.05 0.00	34.93 0.94 0.00	34.52 0.77 0.00	32.78 0.74 0.00	33.80 0.73 0.00	33.89 0.68 0.00	47.10 1.38 0.00	91.36 2.88 0.00	44.69 1.30 0.00	34.33 1.07 0.00	34.34 1.06 0.00	32.68 1.01 0.00	33.68 1.10 0.00	34.17 1.13 0.00	32.83 1.28 0.00	42.57 1.50 0.00	45.12 1.54 0.00	45.00 1.58 0.00	46.95 1.79 0.00	73.93 3.01 0.00	61.52 2.43 0.00	52.67 1.99 0.00	44.93 1.61 0.00	39.41 1.28 0.00
KCE_NY_1 323755	33.69 1.06 0.00	35.05 1.06 0.00	34.68 0.93 0.00	32.97 0.92 0.00	34.10 1.03 0.00	34.27 1.06 0.00	47.44 1.72 0.00	91.57 3.09 0.00	44.63 1.24 0.00	33.94 0.68 0.00	33.94 0.66 0.00	32.27 0.60 0.00	33.25 0.66 0.00	33.62 0.58 0.00	32.35 0.80 0.00	42.23 1.15 0.00	45.10 1.52 0.00	45.12 1.69 0.00	46.99 1.84 0.00	73.88 2.95 0.00	61.62 2.53 0.00	52.81 2.13 0.00	45.04 1.72 0.00	39.67 1.53 0.00
KCE_NY_6_ESR 323823	31.73 -0.90 0.00	33.57 -0.43 0.00	33.49 -0.26 0.00	31.80 -0.25 0.00	32.87 -0.20 0.00	32.97 -0.24 0.00	44.25 -1.47 0.00	84.42 -4.06 0.00	41.62 -1.76 0.00	32.14 -1.12 0.00	31.99 -1.29 0.00	30.59 -1.08 0.00	31.39 -1.19 0.00	31.99 -1.05 0.00	30.99 -0.56 0.00	40.22 -0.85 0.00	42.09 -1.49 0.00	41.78 -1.64 0.00	43.21 -1.95 0.00	67.55 -3.37 0.00	55.78 -3.31 0.00	47.82 -2.87 0.00	41.30 -2.02 0.00	36.53 -1.61 0.00
KEDC_PORT_JEFF_GT2 24210	33.58 0.95 0.00	34.89 0.90 0.00	34.32 0.57 0.00	32.36 0.32 0.00	33.45 0.38 0.00	33.50 0.29 0.00	46.73 1.01 0.00	90.92 2.44 0.00	44.11 0.72 0.00	34.25 0.99 0.00	34.32 1.03 0.00	32.42 0.75 0.00	33.31 0.74 0.02	33.86 0.80 -0.02	32.75 1.08 -0.11	42.76 1.69 0.00	45.04 1.46 0.00	44.48 1.06 0.00	46.54 1.38 0.00	73.63 2.71 0.00	61.63 2.54 0.00	52.55 1.87 0.00	44.87 1.54 0.00	39.19 1.05 0.00
KEDC_PORT_JEFF_GT3 24211	33.58 0.95 0.00	34.89 0.90 0.00	34.32 0.57 0.00	32.36 0.32 0.00	33.45 0.38 0.00	33.50 0.29 0.00	46.73 1.01 0.00	90.92 2.44 0.00	44.11 0.72 0.00	34.25 0.99 0.00	34.32 1.03 0.00	32.42 0.75 0.00	33.31 0.74 0.02	33.86 0.80 -0.02	32.75 1.08 -0.11	42.76 1.69 0.00	45.04 1.46 0.00	44.48 1.06 0.00	46.54 1.38 0.00	73.63 2.71 0.00	61.63 2.54 0.00	52.55 1.87 0.00	44.87 1.54 0.00	39.19 1.05 0.00
KEDC_GLWD_GT4 24219	33.79 1.17 0.00	35.05 1.06 0.00	34.57 0.82 0.00	32.73 0.68 0.00	33.74 0.68 0.00	33.82 0.61 0.00	47.11 1.39 0.00	91.51 3.04 0.00	44.70 1.31 0.00	34.54 1.28 0.00	34.61 1.32 0.00	32.85 1.18 0.00	33.89 1.31 0.00	34.39 1.33 -0.02	33.20 1.54 -0.11	42.99 1.92 0.00	45.47 1.89 0.00	45.10 1.67 0.00	47.04 1.88 0.00	74.22 3.29 0.00	61.93 2.84 0.00	52.96 2.28 0.00	45.23 1.90 0.00	39.56 1.42 0.00
KEDC_GLWD_GT5 24220	33.79 1.17 0.00	35.05 1.06 0.00	34.57 0.82 0.00	32.73 0.68 0.00	33.74 0.68 0.00	33.82 0.61 0.00	47.11 1.39 0.00	91.51 3.04 0.00	44.70 1.31 0.00	34.54 1.28 0.00	34.61 1.32 0.00	32.85 1.18 0.00	33.89 1.31 0.00	34.39 1.33 -0.02	33.20 1.54 -0.11	42.99 1.92 0.00	45.47 1.89 0.00	45.10 1.67 0.00	47.04 1.88 0.00	74.22 3.29 0.00	61.93 2.84 0.00	52.96 2.28 0.00	45.23 1.90 0.00	39.56 1.42 0.00



KENSICO____ 23655	33.52 0.89 0.00	34.76 0.76 0.00	34.34 0.59 0.00	32.59 0.55 0.00	33.60 0.54 0.00	33.66 0.44 0.00	46.76 1.03 0.00	90.69 2.22 0.00	44.36 0.97 0.00	34.12 0.87 0.00	34.17 0.89 0.00	32.52 0.85 0.00	33.55 0.97 0.00	34.06 1.01 -0.01	32.80 1.16 -0.09	42.40 1.33 0.00	44.90 1.32 0.00	44.73 1.31 0.00	46.65 1.49 0.00	73.43 2.51 0.00	61.15 2.06 0.00	52.35 1.67 0.00	44.68 1.36 0.00	39.20 1.06 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	33.73 1.10 0.00	35.07 1.07 0.00	34.70 0.95 0.00	32.97 0.92 0.00	34.00 0.93 0.00	34.13 0.92 0.00	47.41 1.69 0.00	92.01 3.53 0.00	45.08 1.69 0.00	34.44 1.19 0.00	34.28 0.99 0.00	32.53 0.86 0.00	33.44 0.86 0.00	33.97 0.93 0.00	32.64 1.09 0.00	42.60 1.52 0.00	45.28 1.70 0.00	45.17 1.74 0.00	47.14 1.98 0.00	74.35 3.43 0.00	61.89 2.80 0.00	52.98 2.30 0.00	45.19 1.86 0.00	39.67 1.53 0.00
KIAC_JFK_GT1 23816	33.48 0.86 0.00	34.74 0.75 0.00	34.31 0.56 0.00	32.59 0.55 0.00	33.55 0.48 0.00	33.50 0.29 0.00	46.41 0.70 0.00	90.11 1.63 0.00	44.09 0.70 0.00	34.00 0.74 0.00	34.07 0.78 0.00	32.49 0.82 0.00	33.84 1.26 0.00	34.69 1.29 -0.36	35.46 1.44 -2.48	42.57 1.49 0.00	44.95 1.37 0.00	44.63 1.21 0.00	46.53 1.37 0.00	73.21 2.28 0.00	60.91 1.83 0.00	52.21 1.53 0.00	44.56 1.23 0.00	39.30 1.16 0.00
KIAC_JFK_GT2 23817	33.48 0.86 0.00	34.74 0.75 0.00	34.31 0.56 0.00	32.59 0.55 0.00	33.55 0.48 0.00	33.50 0.29 0.00	46.41 0.70 0.00	90.11 1.63 0.00	44.09 0.70 0.00	34.00 0.74 0.00	34.07 0.78 0.00	32.49 0.82 0.00	33.84 1.26 0.00	34.69 1.29 -0.36	35.46 1.44 -2.48	42.57 1.49 0.00	44.95 1.37 0.00	44.63 1.21 0.00	46.53 1.37 0.00	73.21 2.28 0.00	60.91 1.83 0.00	52.21 1.53 0.00	44.56 1.23 0.00	39.30 1.16 0.00
KIAC_JFK____ 323774	33.49 0.86 0.00	34.74 0.75 0.00	34.31 0.56 0.00	32.59 0.54 0.00	33.55 0.48 0.00	33.51 0.30 0.00	46.42 0.70 0.00	90.11 1.63 0.00	44.09 0.70 0.00	34.00 0.74 0.00	34.07 0.78 0.00	32.49 0.82 0.00	33.84 1.26 0.00	34.69 1.29 -0.36	35.47 1.45 -2.48	42.57 1.49 0.00	44.95 1.37 0.00	44.62 1.20 0.00	46.52 1.37 0.00	73.21 2.28 0.00	60.91 1.83 0.00	52.21 1.53 0.00	44.56 1.23 0.00	39.29 1.15 0.00
KINTIGH____ 23543	31.03 -1.60 0.00	32.80 -1.19 0.00	32.69 -1.06 0.00	31.04 -1.00 0.00	32.07 -1.00 0.00	32.14 -1.07 0.00	43.22 -2.50 0.00	82.52 -5.97 0.00	40.64 -2.74 0.00	31.31 -1.95 0.00	31.25 -2.04 0.00	29.88 -1.79 0.00	30.67 -1.92 0.00	31.23 -1.81 0.00	30.21 -1.34 0.00	39.21 -1.87 0.00	41.08 -2.50 0.00	40.76 -2.67 0.00	42.19 -2.97 0.00	66.06 -4.86 0.00	54.55 -4.53 0.00	46.83 -3.86 0.00	40.41 -2.92 0.00	35.77 -2.37 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	33.02 0.39 0.00	34.56 0.57 0.00	35.05 1.30 0.00	33.34 1.30 0.00	34.36 1.29 0.00	34.66 1.45 0.00	47.92 2.20 0.00	93.62 5.14 0.00	46.18 2.79 0.00	35.24 1.98 0.00	35.25 1.96 0.00	33.67 2.00 0.00	34.56 1.97 0.00	34.93 1.89 0.00	33.23 1.68 0.00	43.35 2.28 0.00	46.24 2.66 0.00	46.01 2.59 0.00	48.03 2.87 0.00	75.51 4.58 0.00	62.83 3.74 0.00	53.72 3.03 0.00	45.91 2.59 0.00	40.50 2.36 0.00
LACHUTE____HYDRO 323717	34.72 2.09 0.00	35.98 1.99 0.00	35.58 1.84 0.00	33.89 1.85 0.00	35.11 2.04 0.00	35.46 2.25 0.00	49.57 3.85 0.00	95.15 6.67 0.00	46.23 2.85 0.00	34.79 1.53 0.00	34.54 1.25 0.00	32.96 1.29 0.00	33.90 1.32 0.00	34.09 1.05 0.00	33.46 1.91 0.00	44.14 3.07 0.00	47.52 3.94 0.00	47.36 3.93 0.00	49.50 4.34 0.00	77.78 6.85 0.00	65.31 6.22 0.00	55.89 5.21 0.00	47.55 4.22 0.00	41.43 3.29 0.00
LAWRNCV_115KV_TB1 80681	33.24 0.61 0.00	34.69 0.70 0.00	34.61 0.86 0.00	32.78 0.74 0.00	33.80 0.73 0.00	34.11 0.90 0.00	46.84 1.12 0.00	91.09 2.61 0.00	44.80 1.42 0.00	34.28 1.02 0.00	34.24 0.96 0.00	32.54 0.87 0.00	33.45 0.87 0.00	33.95 0.91 0.00	32.08 0.53 0.00	41.80 0.73 0.00	44.60 1.02 0.00	44.53 1.10 0.00	46.31 1.15 0.00	72.79 1.86 0.00	60.81 1.72 0.00	52.19 1.50 0.00	44.58 1.25 0.00	39.27 1.13 0.00
LEDERLE____ 23769	33.46 0.83 0.00	34.70 0.71 0.00	34.30 0.55 0.00	32.59 0.55 0.00	33.59 0.52 0.00	33.66 0.44 0.00	46.73 1.01 0.00	90.65 2.17 0.00	44.29 0.91 0.00	34.01 0.76 0.00	34.00 0.71 0.00	32.35 0.68 0.00	33.37 0.78 0.00	33.90 0.86 0.00	32.60 1.05 0.00	42.29 1.22 0.00	44.76 1.18 0.00	44.60 1.17 0.00	46.54 1.38 0.00	73.26 2.33 0.00	61.02 1.93 0.00	52.25 1.57 0.00	44.59 1.26 0.00	39.07 0.93 0.00
LIGHTRSE_115KV_TB6 355974	31.94 -0.69 0.00	33.42 -0.57 0.00	33.09 -0.65 0.00	31.43 -0.62 0.00	32.44 -0.62 0.00	32.84 -0.37 0.00	45.16 -0.56 0.00	87.49 -0.99 0.00	42.73 -0.66 0.00	32.67 -0.59 0.00	32.68 -0.61 0.00	31.03 -0.64 0.00	31.83 -0.76 0.00	32.44 -0.60 0.00	31.21 -0.34 0.00	40.66 -0.41 0.00	42.91 -0.67 0.00	42.86 -0.56 0.00	44.52 -0.64 0.00	70.07 -0.86 0.00	58.38 -0.71 0.00	50.07 -0.61 0.00	42.79 -0.54 0.00	37.53 -0.60 0.00
LINDEN COGEN____ 23786	33.48 0.85 0.00	34.66 0.67 0.00	34.24 0.49 0.00	32.51 0.47 0.00	33.51 0.44 0.00	33.56 0.34 0.00	46.63 0.91 0.00	90.40 1.91 0.00	44.22 0.83 0.00	34.12 0.86 0.00	34.19 0.91 0.00	32.61 0.94 0.00	33.67 1.09 0.00	34.55 1.15 -0.36	35.33 1.30 -2.48	42.50 1.42 0.00	44.94 1.36 0.00	44.77 1.35 0.00	46.66 1.51 0.00	73.46 2.53 0.00	61.11 2.02 0.00	52.32 1.63 0.00	44.67 1.35 0.00	39.17 1.03 0.00
LINDHRST_69_KV_BK1 356055	33.95 1.32 0.00	35.19 1.20 0.00	34.68 0.93 0.00	32.78 0.73 0.00	33.81 0.74 0.00	33.89 0.68 0.00	47.28 1.56 0.00	91.95 3.47 0.00	44.83 1.45 0.00	34.67 1.41 0.00	34.70 1.42 0.00	32.88 1.21 0.00	33.88 1.30 0.00	34.41 1.35 -0.02	33.18 1.52 -0.11	43.10 2.03 0.00	45.58 2.00 0.00	45.14 1.71 0.00	47.21 2.05 0.00	74.56 3.64 0.00	62.30 3.21 0.00	53.23 2.55 0.00	45.46 2.13 0.00	39.70 1.56 0.00
LIPA_MISC_IPP 23656	33.26 0.63 0.00	34.62 0.62 0.00	34.01 0.26 0.00	32.03 -0.02 0.00	33.16 0.10 0.00	33.19 -0.02 0.00	46.27 0.55 0.00	90.01 1.53 0.00	43.50 0.12 0.00	33.87 0.61 0.00	33.95 0.66 0.00	32.04 0.38 0.00	32.84 0.27 0.02	33.40 0.34 -0.02	32.31 0.65 -0.11	42.36 1.29 0.00	44.50 0.92 0.00	43.96 0.54 0.00	45.98 0.82 0.00	72.81 1.89 0.00	61.02 1.93 0.00	51.93 1.25 0.00	44.35 1.02 0.00	38.74 0.60 0.00
LISF____SOLAR 323691	33.31 0.68 0.00	34.66 0.67 0.00	34.05 0.30 0.00	32.07 0.02 0.00	33.20 0.14 0.00	33.24 0.03 0.00	46.33 0.62 0.00	90.14 1.65 0.00	43.55 0.16 0.00	33.92 0.66 0.00	33.96 0.67 0.00	32.04 0.37 0.00	32.82 0.25 0.02	33.39 0.33 -0.02	32.32 0.66 -0.11	42.41 1.34 0.00	44.52 0.94 0.00	43.98 0.55 0.00	46.04 0.88 0.00	72.94 2.01 0.00	61.12 2.03 0.00	52.02 1.34 0.00	44.41 1.08 0.00	38.78 0.65 0.00



LITTLE FALLS___HYD 24013	32.17 -0.45 0.00	33.42 -0.57 0.00	33.15 -0.60 0.00	31.62 -0.43 0.00	32.65 -0.42 0.00	32.81 -0.40 0.00	45.67 -0.05 0.00	88.44 -0.04 0.00	42.81 -0.58 0.00	32.14 -1.12 0.00	32.07 -1.21 0.00	30.53 -1.14 0.00	31.42 -1.16 0.00	31.83 -1.21 0.00	30.63 -0.92 0.00	40.15 -0.93 0.00	43.10 -0.48 0.00	43.34 -0.08 0.00	45.32 0.16 0.00	71.23 0.30 0.00	59.19 0.10 0.00	50.67 -0.01 0.00	43.18 -0.15 0.00	37.92 -0.21 0.00
LITTLRIV_115KV_TB1 356100	33.83 1.20 0.00	35.27 1.28 0.00	35.18 1.43 0.00	33.33 1.28 0.00	34.38 1.31 0.00	34.71 1.49 0.00	47.73 2.01 0.00	92.81 4.33 0.00	45.49 2.11 0.00	34.58 1.32 0.00	34.52 1.23 0.00	32.80 1.13 0.00	33.72 1.14 0.00	34.26 1.22 0.00	32.42 0.87 0.00	42.23 1.16 0.00	45.13 1.55 0.00	45.12 1.69 0.00	47.05 1.89 0.00	74.13 3.21 0.00	61.92 2.83 0.00	53.10 2.41 0.00	45.34 2.02 0.00	39.92 1.78 0.00
LI_NEWBRDGE___DRP 323616	33.53 0.90 0.00	34.78 0.79 0.00	34.29 0.54 0.00	32.46 0.42 0.00	33.46 0.39 0.00	33.51 0.29 0.00	46.67 0.95 0.00	90.65 2.17 0.00	44.25 0.86 0.00	34.20 0.94 0.00	34.29 1.01 0.00	32.54 0.87 0.00	33.56 0.97 0.00	34.06 1.00 -0.02	32.88 1.22 -0.11	42.59 1.52 0.00	45.03 1.45 0.00	44.62 1.20 0.00	46.58 1.42 0.00	73.49 2.57 0.00	61.34 2.25 0.00	52.47 1.79 0.00	44.82 1.50 0.00	39.22 1.08 0.00
LOCKPORT_115KV_TB60_63_64 80432	30.98 -1.65 0.00	32.83 -1.16 0.00	32.76 -0.99 0.00	31.10 -0.95 0.00	32.17 -0.90 0.00	32.24 -0.97 0.00	43.07 -2.65 0.00	81.93 -6.55 0.00	40.45 -2.93 0.00	31.16 -2.10 0.00	31.05 -2.24 0.00	29.68 -1.99 0.00	30.44 -2.14 0.00	31.00 -2.04 0.00	30.06 -1.49 0.00	39.06 -2.01 0.00	40.86 -2.72 0.00	40.54 -2.88 0.00	41.95 -3.21 0.00	65.56 -5.36 0.00	54.12 -4.98 0.00	46.48 -4.20 0.00	40.22 -3.10 0.00	35.65 -2.49 0.00
LOCKPORT___CC1 323769	30.95 -1.68 0.00	32.81 -1.18 0.00	32.74 -1.01 0.00	31.08 -0.96 0.00	32.15 -0.91 0.00	32.23 -0.98 0.00	43.05 -2.67 0.00	81.87 -6.61 0.00	40.41 -2.98 0.00	31.13 -2.13 0.00	31.02 -2.27 0.00	29.67 -2.00 0.00	30.42 -2.16 0.00	30.98 -2.06 0.00	30.02 -1.53 0.00	39.04 -2.04 0.00	40.82 -2.76 0.00	40.52 -2.91 0.00	41.92 -3.24 0.00	65.50 -5.43 0.00	54.06 -5.03 0.00	46.42 -4.26 0.00	40.16 -3.17 0.00	35.61 -2.53 0.00
LOCKPORT___CC2 323770	30.95 -1.68 0.00	32.81 -1.18 0.00	32.74 -1.01 0.00	31.08 -0.96 0.00	32.15 -0.91 0.00	32.23 -0.98 0.00	43.05 -2.67 0.00	81.87 -6.61 0.00	40.41 -2.98 0.00	31.13 -2.13 0.00	31.02 -2.27 0.00	29.67 -2.00 0.00	30.42 -2.16 0.00	30.98 -2.06 0.00	30.02 -1.53 0.00	39.04 -2.04 0.00	40.82 -2.76 0.00	40.52 -2.91 0.00	41.92 -3.24 0.00	65.50 -5.43 0.00	54.06 -5.03 0.00	46.42 -4.26 0.00	40.16 -3.17 0.00	35.61 -2.53 0.00
LOCKPORT___CC3 323771	30.95 -1.68 0.00	32.81 -1.18 0.00	32.74 -1.01 0.00	31.08 -0.96 0.00	32.15 -0.91 0.00	32.23 -0.98 0.00	43.05 -2.67 0.00	81.87 -6.61 0.00	40.41 -2.98 0.00	31.13 -2.13 0.00	31.02 -2.27 0.00	29.67 -2.00 0.00	30.42 -2.16 0.00	30.98 -2.06 0.00	30.02 -1.53 0.00	39.04 -2.04 0.00	40.82 -2.76 0.00	40.52 -2.91 0.00	41.92 -3.24 0.00	65.50 -5.43 0.00	54.06 -5.03 0.00	46.42 -4.26 0.00	40.16 -3.17 0.00	35.61 -2.53 0.00
LONG_LAKE_PHOENIX 24014	31.55 -1.07 0.00	32.93 -1.06 0.00	32.71 -1.04 0.00	31.08 -0.96 0.00	32.08 -0.98 0.00	32.26 -0.95 0.00	44.31 -1.42 0.00	85.62 -2.86 0.00	41.91 -1.48 0.00	32.08 -1.18 0.00	32.12 -1.17 0.00	30.61 -1.06 0.00	31.49 -1.09 0.00	31.98 -1.05 0.00	30.72 -0.83 0.00	39.96 -1.11 0.00	42.13 -1.45 0.00	41.95 -1.47 0.00	43.61 -1.55 0.00	68.54 -2.39 0.00	56.95 -2.14 0.00	48.82 -1.86 0.00	41.74 -1.58 0.00	36.72 -1.42 0.00
LOVETT___3 23632	33.33 0.70 0.00	34.56 0.57 0.00	34.16 0.41 0.00	32.45 0.40 0.00	33.45 0.38 0.00	33.50 0.29 0.00	46.51 0.79 0.00	90.20 1.72 0.00	44.07 0.69 0.00	33.86 0.60 0.00	33.87 0.58 0.00	32.23 0.56 0.00	33.25 0.67 0.00	33.75 0.71 0.00	32.44 0.89 0.00	42.09 1.02 0.00	44.54 0.96 0.00	44.39 0.97 0.00	46.31 1.15 0.00	72.89 1.97 0.00	60.71 1.62 0.00	52.00 1.32 0.00	44.39 1.07 0.00	38.92 0.78 0.00
LOVETT___4 23642	33.33 0.70 0.00	34.56 0.57 0.00	34.16 0.41 0.00	32.45 0.40 0.00	33.45 0.38 0.00	33.50 0.29 0.00	46.51 0.79 0.00	90.20 1.72 0.00	44.07 0.69 0.00	33.86 0.60 0.00	33.87 0.58 0.00	32.23 0.56 0.00	33.25 0.67 0.00	33.75 0.71 0.00	32.44 0.89 0.00	42.09 1.02 0.00	44.54 0.96 0.00	44.39 0.97 0.00	46.31 1.15 0.00	72.89 1.97 0.00	60.71 1.62 0.00	52.00 1.32 0.00	44.39 1.07 0.00	38.92 0.78 0.00
LOVETT___5 23593	33.33 0.70 0.00	34.56 0.57 0.00	34.16 0.41 0.00	32.45 0.40 0.00	33.45 0.38 0.00	33.50 0.29 0.00	46.51 0.79 0.00	90.20 1.72 0.00	44.07 0.69 0.00	33.86 0.60 0.00	33.87 0.58 0.00	32.23 0.56 0.00	33.25 0.67 0.00	33.75 0.71 0.00	32.44 0.89 0.00	42.09 1.02 0.00	44.54 0.96 0.00	44.39 0.97 0.00	46.31 1.15 0.00	72.89 1.97 0.00	60.71 1.62 0.00	52.00 1.32 0.00	44.39 1.07 0.00	38.92 0.78 0.00
LOWER RAQUET___HYD 24057	33.19 0.56 0.00	34.65 0.66 0.00	34.55 0.80 0.00	32.73 0.69 0.00	33.76 0.70 0.00	34.08 0.87 0.00	46.84 1.12 0.00	91.10 2.62 0.00	44.79 1.40 0.00	34.23 0.97 0.00	34.20 0.91 0.00	32.48 0.81 0.00	33.38 0.80 0.00	33.89 0.85 0.00	32.04 0.49 0.00	41.74 0.67 0.00	44.56 0.98 0.00	44.51 1.09 0.00	46.30 1.14 0.00	72.81 1.88 0.00	60.83 1.74 0.00	52.19 1.50 0.00	44.56 1.24 0.00	39.24 1.10 0.00
LOWER___HUDSON 24059	33.38 0.75 0.00	34.70 0.71 0.00	34.29 0.54 0.00	32.59 0.55 0.00	33.72 0.66 0.00	33.81 0.59 0.00	46.71 0.98 0.00	90.10 1.62 0.00	44.10 0.71 0.00	33.66 0.40 0.00	33.73 0.45 0.00	32.03 0.36 0.00	32.94 0.36 0.00	33.29 0.24 0.00	31.97 0.42 0.00	41.70 0.63 0.00	44.47 0.89 0.00	44.43 1.00 0.00	46.26 1.10 0.00	72.65 1.73 0.00	60.67 1.58 0.00	52.07 1.38 0.00	44.45 1.13 0.00	39.20 1.06 0.00
LOWVILLE_115KV_TB2 356335	32.80 0.17 0.00	34.46 0.47 0.00	34.03 0.28 0.00	32.30 0.25 0.00	33.32 0.25 0.00	34.06 0.85 0.00	47.29 1.57 0.00	92.01 3.53 0.00	44.89 1.51 0.00	34.11 0.85 0.00	33.99 0.70 0.00	32.13 0.46 0.00	32.92 0.34 0.00	33.61 0.57 0.00	32.26 0.71 0.00	42.27 1.20 0.00	45.04 1.46 0.00	45.12 1.69 0.00	46.73 1.57 0.00	73.69 2.76 0.00	61.61 2.52 0.00	52.72 2.04 0.00	44.86 1.53 0.00	39.13 0.99 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	33.70 1.08 0.00	35.06 1.07 0.00	34.69 0.94 0.00	32.97 0.93 0.00	34.10 1.03 0.00	34.26 1.05 0.00	47.40 1.68 0.00	91.51 3.03 0.00	44.63 1.25 0.00	33.95 0.70 0.00	33.93 0.64 0.00	32.27 0.60 0.00	33.25 0.66 0.00	33.62 0.58 0.00	32.35 0.80 0.00	42.23 1.15 0.00	45.12 1.54 0.00	45.10 1.68 0.00	46.98 1.82 0.00	73.84 2.92 0.00	61.58 2.49 0.00	52.80 2.12 0.00	45.04 1.72 0.00	39.65 1.51 0.00



LUTHERNY_35_KV_BK2 355980	33.69 1.06 0.00	35.05 1.06 0.00	34.68 0.93 0.00	32.97 0.92 0.00	34.10 1.03 0.00	34.27 1.06 0.00	47.44 1.72 0.00	91.57 3.09 0.00	44.63 1.24 0.00	33.94 0.68 0.00	33.94 0.66 0.00	32.27 0.60 0.00	33.25 0.66 0.00	33.62 0.58 0.00	32.35 0.80 0.00	42.22 1.15 0.00	45.10 1.52 0.00	45.12 1.69 0.00	47.00 1.84 0.00	73.87 2.95 0.00	61.62 2.53 0.00	52.81 2.13 0.00	45.04 1.72 0.00	39.67 1.53 0.00
LWR___OSWEGATCHIE_HYD 23850	32.84 0.22 0.00	34.39 0.40 0.00	34.13 0.38 0.00	32.36 0.31 0.00	33.38 0.31 0.00	33.92 0.70 0.00	46.81 1.09 0.00	91.10 2.62 0.00	44.59 1.20 0.00	33.97 0.71 0.00	33.90 0.61 0.00	32.10 0.43 0.00	32.92 0.34 0.00	33.54 0.50 0.00	31.91 0.36 0.00	41.72 0.64 0.00	44.46 0.88 0.00	44.49 1.07 0.00	46.20 1.05 0.00	72.77 1.84 0.00	60.82 1.73 0.00	52.10 1.41 0.00	44.42 1.09 0.00	38.94 0.80 0.00
LYONS_FALL_HYD 23570	32.96 0.34 0.00	34.50 0.51 0.00	34.14 0.39 0.00	32.41 0.37 0.00	33.47 0.40 0.00	34.02 0.80 0.00	47.16 1.44 0.00	91.62 3.14 0.00	44.73 1.34 0.00	34.02 0.76 0.00	33.91 0.63 0.00	32.13 0.47 0.00	32.99 0.41 0.00	33.61 0.57 0.00	32.24 0.69 0.00	42.17 1.10 0.00	44.90 1.32 0.00	44.94 1.51 0.00	46.64 1.48 0.00	73.43 2.50 0.00	61.28 2.19 0.00	52.46 1.78 0.00	44.67 1.34 0.00	39.06 0.93 0.00
MADISON___COUNTY_LFGE 323628	33.10 0.47 0.00	34.51 0.52 0.00	34.24 0.49 0.00	32.55 0.50 0.00	33.62 0.55 0.00	33.94 0.73 0.00	46.99 1.27 0.00	91.08 2.60 0.00	44.46 1.08 0.00	33.76 0.51 0.00	33.65 0.36 0.00	31.99 0.32 0.00	32.92 0.34 0.00	33.48 0.45 0.00	32.17 0.62 0.00	41.96 0.88 0.00	44.61 1.03 0.00	44.59 1.17 0.00	46.40 1.24 0.00	72.92 2.00 0.00	60.65 1.56 0.00	51.94 1.26 0.00	44.27 0.94 0.00	38.86 0.72 0.00
MALONE___115KV_TB1 356076	33.28 0.65 0.00	34.79 0.80 0.00	34.93 1.18 0.00	33.12 1.08 0.00	34.17 1.11 0.00	34.47 1.26 0.00	47.47 1.75 0.00	92.61 4.13 0.00	45.65 2.27 0.00	34.90 1.64 0.00	34.86 1.57 0.00	33.13 1.47 0.00	34.08 1.50 0.00	34.54 1.50 0.00	32.69 1.14 0.00	42.58 1.50 0.00	45.44 1.86 0.00	45.32 1.89 0.00	47.21 2.05 0.00	74.17 3.25 0.00	61.88 2.80 0.00	53.04 2.36 0.00	45.33 2.01 0.00	39.94 1.81 0.00
MAPLEWOD_115KV_TB3 80458	33.52 0.90 0.00	34.86 0.87 0.00	34.47 0.72 0.00	32.75 0.70 0.00	33.85 0.78 0.00	33.96 0.75 0.00	46.88 1.16 0.00	90.57 2.09 0.00	44.38 0.99 0.00	33.91 0.65 0.00	33.95 0.66 0.00	32.23 0.56 0.00	33.13 0.55 0.00	33.48 0.44 0.00	32.10 0.55 0.00	41.84 0.77 0.00	44.56 0.98 0.00	44.53 1.10 0.00	46.36 1.20 0.00	72.78 1.86 0.00	60.71 1.62 0.00	52.10 1.42 0.00	44.49 1.16 0.00	39.23 1.09 0.00
MAPLE_RIDGE_WT_1 323574	32.60 -0.03 0.00	33.99 0.00 0.00	33.85 0.10 0.00	31.99 -0.05 0.00	33.02 -0.05 0.00	33.28 0.07 0.00	45.78 0.05 0.00	88.82 0.33 0.00	43.72 0.34 0.00	33.60 0.34 0.00	33.63 0.34 0.00	31.98 0.32 0.00	32.92 0.33 0.00	33.37 0.32 0.00	31.73 0.18 0.00	41.32 0.25 0.00	43.91 0.33 0.00	43.75 0.33 0.00	45.40 0.24 0.00	71.28 0.35 0.00	59.53 0.44 0.00	50.95 0.27 0.00	43.36 0.04 0.00	38.11 -0.03 0.00
MAPLE_RIDGE_WT_2 323611	32.60 -0.03 0.00	33.99 0.00 0.00	33.85 0.10 0.00	31.99 -0.05 0.00	33.02 -0.05 0.00	33.28 0.07 0.00	45.78 0.05 0.00	88.82 0.33 0.00	43.72 0.34 0.00	33.60 0.34 0.00	33.63 0.34 0.00	31.98 0.32 0.00	32.92 0.33 0.00	33.37 0.32 0.00	31.73 0.18 0.00	41.32 0.25 0.00	43.91 0.33 0.00	43.75 0.33 0.00	45.40 0.24 0.00	71.28 0.35 0.00	59.53 0.44 0.00	50.95 0.27 0.00	43.36 0.04 0.00	38.11 -0.03 0.00
MARBLE_RIVER_WT_PWR 323696	32.24 -0.39 0.00	33.88 -0.11 0.00	34.66 0.91 0.00	33.00 0.95 0.00	33.95 0.88 0.00	34.34 1.12 0.00	47.63 1.91 0.00	93.31 4.83 0.00	46.10 2.71 0.00	35.19 1.94 0.00	35.28 1.99 0.00	33.71 2.04 0.00	34.62 2.03 0.00	34.97 1.93 0.00	33.31 1.76 0.00	43.43 2.35 0.00	46.28 2.71 0.00	45.99 2.57 0.00	47.99 2.83 0.00	75.42 4.50 0.00	62.62 3.53 0.00	53.41 2.73 0.00	45.70 2.38 0.00	40.39 2.25 0.00
MARSHVLE_115KV_TB1 80742	34.18 1.55 0.00	35.74 1.75 0.00	35.67 1.92 0.00	33.85 1.81 0.00	34.88 1.81 0.00	35.15 1.94 0.00	48.46 2.74 0.00	94.02 5.54 0.00	45.50 2.11 0.00	34.31 1.05 0.00	34.19 0.91 0.00	32.65 0.98 0.00	33.67 1.08 0.00	34.29 1.25 0.00	32.94 1.39 0.00	43.01 1.94 0.00	45.84 2.26 0.00	46.07 2.64 0.00	47.98 2.82 0.00	75.35 4.42 0.00	62.60 3.51 0.00	53.50 2.82 0.00	45.57 2.24 0.00	39.98 1.85 0.00
MARSH_HILL_WT_PWR 323713	30.99 -1.64 0.00	32.93 -1.06 0.00	32.87 -0.88 0.00	31.30 -0.74 0.00	32.70 -0.37 0.00	33.08 -0.13 0.00	45.22 -0.50 0.00	86.51 -1.97 0.00	42.45 -0.94 0.00	32.12 -1.14 0.00	31.69 -1.60 0.00	30.24 -1.43 0.00	30.91 -1.67 0.00	31.31 -1.74 0.00	30.36 -1.19 0.00	40.14 -0.93 0.00	42.03 -1.55 0.00	41.72 -1.71 0.00	43.61 -1.55 0.00	68.43 -2.49 0.00	56.03 -3.06 0.00	48.03 -2.65 0.00	41.03 -2.30 0.00	35.96 -2.18 0.00
MCINTYRE_115KV_TB2 80467	34.17 1.54 0.00	35.62 1.63 0.00	35.52 1.77 0.00	33.65 1.61 0.00	34.72 1.65 0.00	35.02 1.81 0.00	48.14 2.42 0.00	93.56 5.08 0.00	45.82 2.43 0.00	34.76 1.50 0.00	34.70 1.41 0.00	33.00 1.33 0.00	33.94 1.35 0.00	34.46 1.42 0.00	32.56 1.01 0.00	42.45 1.37 0.00	45.38 1.80 0.00	45.35 1.93 0.00	47.36 2.20 0.00	74.71 3.78 0.00	62.43 3.34 0.00	53.54 2.86 0.00	45.72 2.39 0.00	40.26 2.12 0.00
MECO_____69_KV_BK1 80468	34.48 1.85 0.00	35.96 1.97 0.00	35.78 2.03 0.00	33.99 1.94 0.00	35.07 2.00 0.00	35.35 2.14 0.00	48.92 3.20 0.00	94.86 6.38 0.00	45.71 2.32 0.00	34.09 0.83 0.00	33.79 0.50 0.00	32.22 0.55 0.00	33.22 0.64 0.00	33.76 0.72 0.00	32.55 1.00 0.00	42.73 1.66 0.00	45.81 2.23 0.00	46.39 2.96 0.00	48.44 3.28 0.00	76.22 5.29 0.00	63.39 4.30 0.00	54.16 3.48 0.00	46.08 2.76 0.00	40.44 2.30 0.00
MENANDS___115KV_TB5 355628	33.45 0.83 0.00	34.79 0.80 0.00	34.39 0.64 0.00	32.68 0.64 0.00	33.78 0.71 0.00	33.87 0.66 0.00	46.75 1.03 0.00	90.28 1.80 0.00	44.26 0.87 0.00	33.86 0.60 0.00	33.93 0.64 0.00	32.20 0.53 0.00	33.09 0.51 0.00	33.42 0.38 0.00	32.03 0.48 0.00	41.75 0.67 0.00	44.44 0.85 0.00	44.35 0.93 0.00	46.15 0.99 0.00	72.46 1.53 0.00	60.44 1.36 0.00	51.88 1.20 0.00	44.32 1.00 0.00	39.11 0.97 0.00
MG INDUSTRY___DRP 24185	33.46 0.83 0.00	34.82 0.83 0.00	34.47 0.73 0.00	32.75 0.70 0.00	33.83 0.76 0.00	33.94 0.73 0.00	46.85 1.13 0.00	90.45 1.97 0.00	44.27 0.88 0.00	33.76 0.50 0.00	33.77 0.49 0.00	32.02 0.35 0.00	32.88 0.30 0.00	33.12 0.08 0.00	31.49 -0.06 0.00	41.37 0.30 0.00	43.72 0.14 0.00	43.24 -0.19 0.00	44.97 -0.19 0.00	70.61 -0.31 0.00	58.86 -0.22 0.00	50.53 -0.15 0.00	43.18 -0.15 0.00	38.09 -0.05 0.00



MID___OSWEGATCHIE_HYD 23849	32.84 0.22 0.00	34.39 0.40 0.00	34.13 0.38 0.00	32.36 0.31 0.00	33.38 0.31 0.00	33.92 0.70 0.00	46.81 1.09 0.00	91.10 2.62 0.00	44.59 1.20 0.00	33.97 0.71 0.00	33.90 0.61 0.00	32.10 0.43 0.00	32.92 0.34 0.00	33.54 0.50 0.00	31.91 0.36 0.00	41.72 0.64 0.00	44.46 0.88 0.00	44.49 1.07 0.00	46.20 1.05 0.00	72.77 1.84 0.00	60.82 1.73 0.00	52.10 1.41 0.00	44.42 1.09 0.00	38.94 0.80 0.00
MID___RAQUETTE_HYD 23851	33.19 0.56 0.00	34.65 0.66 0.00	34.55 0.80 0.00	32.73 0.69 0.00	33.76 0.70 0.00	34.08 0.87 0.00	46.84 1.12 0.00	91.10 2.62 0.00	44.79 1.41 0.00	34.23 0.97 0.00	34.20 0.91 0.00	32.48 0.81 0.00	33.38 0.80 0.00	33.89 0.85 0.00	32.04 0.49 0.00	41.75 0.67 0.00	44.56 0.98 0.00	44.51 1.09 0.00	46.30 1.14 0.00	72.81 1.88 0.00	60.83 1.74 0.00	52.19 1.50 0.00	44.56 1.24 0.00	39.25 1.11 0.00
MILLIKEN___1 23584	32.54 -0.08 0.00	33.96 -0.03 0.00	33.76 0.01 0.00	32.14 0.10 0.00	33.20 0.13 0.00	33.43 0.22 0.00	46.05 0.33 0.00	89.11 0.63 0.00	43.60 0.21 0.00	33.17 -0.09 0.00	32.96 -0.33 0.00	31.26 -0.41 0.00	32.14 -0.44 0.00	32.69 -0.35 0.00	31.48 -0.07 0.00	41.26 0.18 0.00	43.84 0.26 0.00	43.66 0.24 0.00	45.45 0.29 0.00	71.49 0.56 0.00	59.32 0.23 0.00	50.81 0.13 0.00	43.40 0.08 0.00	38.10 -0.04 0.00
MILLIKEN___2 23585	32.54 -0.08 0.00	33.96 -0.03 0.00	33.76 0.01 0.00	32.14 0.10 0.00	33.20 0.13 0.00	33.43 0.22 0.00	46.05 0.33 0.00	89.11 0.63 0.00	43.60 0.21 0.00	33.17 -0.09 0.00	32.96 -0.33 0.00	31.26 -0.41 0.00	32.14 -0.44 0.00	32.69 -0.35 0.00	31.48 -0.07 0.00	41.26 0.18 0.00	43.84 0.26 0.00	43.66 0.24 0.00	45.45 0.29 0.00	71.49 0.56 0.00	59.32 0.23 0.00	50.81 0.13 0.00	43.40 0.08 0.00	38.10 -0.04 0.00
MILLIKEN___DIESEL 23629	32.54 -0.08 0.00	33.96 -0.03 0.00	33.76 0.01 0.00	32.14 0.10 0.00	33.20 0.13 0.00	33.43 0.22 0.00	46.05 0.33 0.00	89.11 0.63 0.00	43.60 0.21 0.00	33.17 -0.09 0.00	32.96 -0.33 0.00	31.26 -0.41 0.00	32.14 -0.44 0.00	32.69 -0.35 0.00	31.48 -0.07 0.00	41.26 0.18 0.00	43.84 0.26 0.00	43.66 0.24 0.00	45.45 0.29 0.00	71.49 0.56 0.00	59.32 0.23 0.00	50.81 0.13 0.00	43.40 0.08 0.00	38.10 -0.04 0.00
MILLSEAT___LFGE 323607	31.64 -0.99 0.00	33.45 -0.54 0.00	33.35 -0.39 0.00	31.69 -0.36 0.00	32.79 -0.28 0.00	32.93 -0.28 0.00	44.25 -1.47 0.00	84.52 -3.96 0.00	41.60 -1.79 0.00	31.81 -1.44 0.00	31.54 -1.75 0.00	30.12 -1.55 0.00	31.02 -1.56 0.00	31.67 -1.37 0.00	30.69 -0.86 0.00	40.03 -1.04 0.00	42.06 -1.53 0.00	41.82 -1.61 0.00	43.28 -1.88 0.00	67.73 -3.20 0.00	55.94 -3.15 0.00	47.94 -2.74 0.00	41.35 -1.98 0.00	36.56 -1.58 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	33.43 0.80 0.00	34.67 0.68 0.00	34.27 0.52 0.00	32.54 0.49 0.00	33.54 0.47 0.00	33.59 0.38 0.00	46.65 0.93 0.00	90.47 1.99 0.00	44.23 0.84 0.00	34.00 0.74 0.00	34.03 0.75 0.00	32.39 0.71 0.00	33.40 0.81 0.00	33.91 0.85 -0.01	32.64 1.02 -0.07	42.24 1.17 0.00	44.73 1.15 0.00	44.57 1.14 0.00	46.49 1.33 0.00	73.18 2.25 0.00	60.95 1.86 0.00	52.19 1.51 0.00	44.55 1.22 0.00	39.08 0.94 0.00
MILLWOOD_13_KV_LOAD 356217	33.47 0.84 0.00	34.70 0.71 0.00	34.30 0.55 0.00	32.57 0.52 0.00	33.58 0.51 0.00	33.63 0.42 0.00	46.71 0.99 0.00	90.58 2.10 0.00	44.29 0.90 0.00	34.05 0.79 0.00	34.07 0.78 0.00	32.41 0.74 0.00	33.43 0.85 0.00	33.93 0.88 -0.01	32.69 1.07 -0.07	42.30 1.23 0.00	44.80 1.22 0.00	44.64 1.21 0.00	46.56 1.40 0.00	73.29 2.37 0.00	61.04 1.95 0.00	52.26 1.58 0.00	44.61 1.28 0.00	39.12 0.98 0.00
MODEL_CITY_ENERGY 24167	30.70 -1.93 0.00	32.55 -1.44 0.00	32.49 -1.26 0.00	30.84 -1.21 0.00	31.89 -1.17 0.00	31.94 -1.28 0.00	42.58 -3.14 0.00	80.94 -7.54 0.00	39.99 -3.39 0.00	30.85 -2.41 0.00	30.78 -2.50 0.00	29.44 -2.23 0.00	30.18 -2.41 0.00	30.74 -2.30 0.00	29.78 -1.77 0.00	38.69 -2.38 0.00	40.44 -3.14 0.00	40.14 -3.28 0.00	41.51 -3.66 0.00	64.78 -6.15 0.00	53.48 -5.61 0.00	45.94 -4.74 0.00	39.81 -3.51 0.00	35.33 -2.81 0.00
MODERN_LFGE___ 323580	30.70 -1.93 0.00	32.55 -1.44 0.00	32.49 -1.26 0.00	30.84 -1.21 0.00	31.89 -1.17 0.00	31.94 -1.28 0.00	42.58 -3.14 0.00	80.94 -7.54 0.00	39.99 -3.39 0.00	30.85 -2.41 0.00	30.78 -2.50 0.00	29.44 -2.23 0.00	30.18 -2.41 0.00	30.74 -2.30 0.00	29.78 -1.77 0.00	38.69 -2.38 0.00	40.44 -3.14 0.00	40.14 -3.28 0.00	41.51 -3.66 0.00	64.78 -6.15 0.00	53.48 -5.61 0.00	45.94 -4.74 0.00	39.81 -3.51 0.00	35.33 -2.81 0.00
MOHAWK_PAPER___DRP 24187	33.52 0.90 0.00	34.86 0.87 0.00	34.47 0.72 0.00	32.75 0.70 0.00	33.85 0.78 0.00	33.96 0.75 0.00	46.88 1.16 0.00	90.57 2.09 0.00	44.38 0.99 0.00	33.91 0.65 0.00	33.95 0.66 0.00	32.23 0.56 0.00	33.13 0.55 0.00	33.48 0.44 0.00	32.10 0.55 0.00	41.84 0.77 0.00	44.56 0.98 0.00	44.53 1.10 0.00	46.36 1.20 0.00	72.78 1.86 0.00	60.71 1.62 0.00	52.10 1.42 0.00	44.49 1.16 0.00	39.23 1.09 0.00
MOHICAN___35_KV_115KV_LD 80490	33.85 1.22 0.00	35.20 1.21 0.00	34.84 1.09 0.00	33.12 1.08 0.00	34.28 1.21 0.00	34.52 1.31 0.00	47.91 2.19 0.00	92.37 3.89 0.00	45.03 1.65 0.00	34.15 0.89 0.00	34.00 0.71 0.00	32.36 0.70 0.00	33.36 0.78 0.00	33.67 0.63 0.00	32.62 1.07 0.00	42.73 1.66 0.00	45.82 2.24 0.00	45.74 2.32 0.00	47.69 2.54 0.00	74.95 4.02 0.00	62.62 3.53 0.00	53.67 2.99 0.00	45.71 2.38 0.00	40.15 2.01 0.00
MONGAUP___HYD 23641	33.60 0.97 0.00	34.87 0.88 0.00	34.49 0.75 0.00	32.78 0.73 0.00	33.78 0.71 0.00	33.68 0.47 0.00	46.44 0.73 0.00	90.41 1.93 0.00	44.15 0.77 0.00	33.91 0.66 0.00	33.68 0.39 0.00	31.95 0.28 0.00	32.91 0.32 0.00	33.38 0.33 0.00	32.51 0.97 0.00	42.18 1.10 0.00	44.76 1.18 0.00	44.42 0.99 0.00	46.35 1.19 0.00	73.10 2.18 0.00	60.90 1.81 0.00	52.16 1.48 0.00	44.83 1.50 0.00	39.53 1.39 0.00
MONTAUK___DIESEL 23721	32.55 -0.09 0.00	34.39 0.40 0.00	33.80 0.05 0.00	31.50 -0.55 0.00	32.82 -0.25 0.00	32.94 -0.28 0.00	45.71 -0.01 0.00	88.95 0.47 0.00	42.52 -0.86 0.00	33.18 -0.07 0.00	33.48 0.20 0.00	31.60 -0.07 0.00	32.68 0.11 0.02	33.45 0.39 -0.02	32.37 0.71 -0.11	42.46 1.39 0.00	44.64 1.06 0.00	44.26 0.83 0.00	46.13 0.97 0.00	73.24 2.31 0.00	61.08 1.99 0.00	52.05 1.37 0.00	44.12 0.79 0.00	38.61 0.47 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	32.06 -0.57 0.00	33.63 -0.36 0.00	33.43 -0.32 0.00	31.58 -0.46 0.00	32.95 -0.12 0.00	33.43 0.22 0.00	45.20 -0.52 0.00	86.95 -1.53 0.00	42.64 -0.75 0.00	33.02 -0.24 0.00	32.79 -0.50 0.00	31.26 -0.41 0.00	31.85 -0.74 0.00	32.73 -0.31 0.00	31.80 0.25 0.00	40.91 -0.16 0.00	42.72 -0.86 0.00	42.59 -0.84 0.00	44.19 -0.97 0.00	69.89 -1.04 0.00	57.72 -1.37 0.00	48.99 -1.69 0.00	41.58 -1.75 0.00	36.42 -1.72 0.00



MORRIS_RIDGE___SOLAR 323848	31.03 -1.60 0.00	32.80 -1.19 0.00	32.72 -1.03 0.00	31.14 -0.90 0.00	32.35 -0.72 0.00	32.57 -0.64 0.00	44.19 -1.53 0.00	84.56 -3.92 0.00	41.43 -1.96 0.00	31.40 -1.86 0.00	31.08 -2.21 0.00	29.80 -1.87 0.00	30.51 -2.08 0.00	31.02 -2.02 0.00	30.07 -1.48 0.00	39.64 -1.44 0.00	41.40 -2.18 0.00	41.05 -2.37 0.00	42.80 -2.36 0.00	67.32 -3.61 0.00	55.46 -3.63 0.00	47.56 -3.12 0.00	40.78 -2.55 0.00	35.78 -2.36 0.00
MORTIMER_115KV_TB3 55949	31.59 -1.04 0.00	33.25 -0.74 0.00	33.10 -0.65 0.00	31.44 -0.60 0.00	32.49 -0.57 0.00	32.65 -0.56 0.00	44.29 -1.43 0.00	85.03 -3.46 0.00	41.73 -1.65 0.00	31.99 -1.27 0.00	31.91 -1.38 0.00	30.46 -1.21 0.00	31.34 -1.24 0.00	31.91 -1.14 0.00	30.81 -0.73 0.00	40.08 -1.00 0.00	42.15 -1.43 0.00	41.88 -1.55 0.00	43.43 -1.73 0.00	68.12 -2.80 0.00	56.35 -2.74 0.00	48.28 -2.40 0.00	41.48 -1.85 0.00	36.60 -1.54 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	33.68 1.05 0.00	34.89 0.90 0.00	34.47 0.72 0.00	32.72 0.68 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.95 1.23 0.00	91.02 2.54 0.00	44.55 1.16 0.00	34.34 1.09 0.00	34.41 1.13 0.00	32.77 1.11 0.00	33.85 1.27 0.00	34.86 1.32 -0.50	36.47 1.46 -3.47	42.71 1.64 0.00	45.20 1.62 0.00	45.02 1.60 0.00	46.93 1.77 0.00	73.86 2.93 0.00	61.47 2.38 0.00	52.62 1.94 0.00	44.91 1.58 0.00	39.39 1.25 0.00
MUNSVILLE_WIND_PWR 323609	32.89 0.26 0.00	34.54 0.55 0.00	34.66 0.91 0.00	33.48 1.43 0.00	34.69 1.62 0.00	35.12 1.91 0.00	48.88 3.16 0.00	95.24 6.76 0.00	46.37 2.99 0.00	34.92 1.66 0.00	34.36 1.07 0.00	32.67 1.00 0.00	33.44 0.86 0.00	34.09 1.05 0.00	32.83 1.28 0.00	43.17 2.10 0.00	46.62 3.04 0.00	46.65 3.22 0.00	48.56 3.40 0.00	76.62 5.69 0.00	63.61 4.53 0.00	54.27 3.59 0.00	46.29 2.97 0.00	40.45 2.31 0.00
N SALMON___HYD 24042	33.28 0.65 0.00	34.79 0.80 0.00	34.93 1.18 0.00	33.12 1.08 0.00	34.17 1.11 0.00	34.47 1.26 0.00	47.47 1.75 0.00	92.61 4.13 0.00	45.65 2.27 0.00	34.90 1.64 0.00	34.86 1.57 0.00	33.13 1.47 0.00	34.08 1.50 0.00	34.54 1.50 0.00	32.69 1.14 0.00	42.57 1.50 0.00	45.44 1.86 0.00	45.32 1.89 0.00	47.21 2.05 0.00	74.17 3.25 0.00	61.89 2.80 0.00	53.04 2.36 0.00	45.33 2.01 0.00	39.94 1.81 0.00
N.AKRON__115KV_KNAPP 355671	31.59 -1.04 0.00	33.42 -0.57 0.00	33.32 -0.43 0.00	31.65 -0.39 0.00	32.77 -0.30 0.00	32.91 -0.31 0.00	44.18 -1.54 0.00	84.31 -4.17 0.00	41.52 -1.87 0.00	31.81 -1.44 0.00	31.57 -1.72 0.00	30.15 -1.52 0.00	31.01 -1.57 0.00	31.63 -1.41 0.00	30.67 -0.88 0.00	39.95 -1.13 0.00	41.94 -1.64 0.00	41.65 -1.77 0.00	43.13 -2.03 0.00	67.51 -3.42 0.00	55.74 -3.35 0.00	47.79 -2.89 0.00	41.25 -2.08 0.00	36.48 -1.66 0.00
N.BELMOR_69_KV_BK1 55787	33.75 1.12 0.00	34.99 1.00 0.00	34.50 0.76 0.00	32.65 0.60 0.00	33.66 0.60 0.00	33.73 0.52 0.00	47.01 1.29 0.00	91.34 2.86 0.00	44.59 1.20 0.00	34.46 1.20 0.00	34.51 1.22 0.00	32.76 1.09 0.00	33.79 1.21 0.00	34.28 1.23 -0.02	33.08 1.42 -0.11	42.85 1.78 0.00	45.34 1.76 0.00	44.96 1.54 0.00	46.96 1.80 0.00	74.14 3.21 0.00	61.86 2.77 0.00	52.90 2.22 0.00	45.18 1.86 0.00	39.51 1.37 0.00
N.E_GEN_SANDY PD 24062	33.34 0.71 0.00	34.63 0.63 0.00	34.18 0.43 0.00	32.48 0.44 0.00	33.56 0.49 0.00	33.59 0.38 0.00	46.73 0.72 -0.29	89.31 1.08 0.25	44.05 0.49 -0.17	33.75 0.34 -0.15	33.76 0.45 -0.02	32.05 0.39 0.00	33.58 0.39 -0.61	32.34 0.26 0.96	31.34 0.42 0.63	40.57 0.53 1.03	45.58 0.71 -1.28	44.19 0.77 0.00	46.06 0.90 0.00	72.36 1.44 0.00	60.43 1.34 0.00	51.85 1.17 0.00	44.28 0.96 0.00	39.06 0.92 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	33.37 0.74 0.00	34.60 0.61 0.00	34.21 0.46 0.00	32.49 0.45 0.00	33.50 0.43 0.00	33.55 0.34 0.00	46.59 0.87 0.00	90.36 1.88 0.00	44.14 0.75 0.00	33.90 0.64 0.00	33.90 0.61 0.00	32.25 0.58 0.00	33.27 0.68 0.00	33.79 0.75 0.00	32.48 0.93 0.00	42.15 1.07 0.00	44.61 1.03 0.00	44.45 1.02 0.00	46.37 1.21 0.00	73.01 2.09 0.00	60.81 1.72 0.00	52.08 1.39 0.00	44.46 1.14 0.00	38.97 0.83 0.00
N.QUEENS_27_KV_LOAD 356247	33.75 1.13 0.00	34.96 0.97 0.00	34.55 0.80 0.00	32.77 0.73 0.00	33.71 0.64 0.00	33.75 0.53 0.00	46.98 1.26 0.00	90.95 2.47 0.00	44.67 1.28 0.00	34.46 1.20 0.00	34.46 1.17 0.00	32.83 1.16 0.00	33.95 1.36 0.00	34.82 1.41 -0.36	35.57 1.54 -2.48	42.76 1.68 0.00	45.29 1.70 0.00	45.10 1.67 0.00	47.04 1.88 0.00	73.88 2.96 0.00	61.63 2.54 0.00	52.78 2.09 0.00	45.04 1.72 0.00	39.56 1.42 0.00
N.TROY___115KV_TB1 355778	33.38 0.75 0.00	34.70 0.71 0.00	34.30 0.55 0.00	32.59 0.55 0.00	33.72 0.66 0.00	33.81 0.59 0.00	46.71 0.98 0.00	90.11 1.63 0.00	44.10 0.71 0.00	33.66 0.40 0.00	33.73 0.45 0.00	32.03 0.36 0.00	32.94 0.35 0.00	33.29 0.24 0.00	31.97 0.42 0.00	41.70 0.63 0.00	44.47 0.89 0.00	44.43 1.01 0.00	46.26 1.10 0.00	72.65 1.73 0.00	60.67 1.58 0.00	52.07 1.39 0.00	44.46 1.13 0.00	39.20 1.06 0.00
NARROWS_GT1_1 24228	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT1_2 24229	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT1_3 24230	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT1_4 24231	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81



NARROWS_GT1_5 24232	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT1_6 24233	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT1_7 24234	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT1_8 24235	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_1 24236	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_2 24237	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_3 24238	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_4 24239	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_5 24240	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_6 24241	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_7 24242	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NARROWS_GT2_8 24243	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	34.13 1.51 0.00	35.51 1.52 0.00	35.15 1.40 0.00	33.40 1.36 0.00	34.56 1.49 0.00	34.74 1.53 0.00	48.08 2.36 0.00	93.02 4.54 0.00	45.50 2.11 0.00	34.53 1.27 0.00	34.29 1.00 0.00	32.41 0.74 0.00	33.21 0.63 0.00	33.50 0.46 0.00	31.96 0.41 0.00	41.78 0.71 0.00	44.82 1.24 0.00	45.21 1.79 0.00	47.11 1.95 0.00	73.99 3.06 0.00	61.60 2.51 0.00	52.79 2.11 0.00	45.05 1.73 0.00	39.70 1.57 0.00
NCHELSEA_115KV_TR2 355582	33.70 1.07 0.00	34.96 0.97 0.00	34.56 0.81 0.00	32.82 0.77 0.00	33.84 0.78 0.00	33.92 0.71 0.00	47.12 1.40 0.00	91.39 2.91 0.00	44.98 1.60 0.00	34.45 1.19 0.00	34.38 1.09 0.00	32.62 0.95 0.00	33.57 0.98 0.00	33.97 0.93 0.00	32.46 0.91 0.00	41.98 0.91 0.00	44.55 0.96 0.00	44.41 0.99 0.00	46.33 1.17 0.00	72.95 2.03 0.00	60.87 1.78 0.00	52.15 1.47 0.00	44.48 1.15 0.00	39.27 1.13 0.00
NEG CAPITAL___MECHNVIL 23645	33.76 1.13 0.00	35.11 1.12 0.00	34.73 0.98 0.00	33.02 0.98 0.00	34.15 1.08 0.00	34.30 1.09 0.00	47.47 1.75 0.00	91.62 3.14 0.00	44.74 1.35 0.00	34.03 0.77 0.00	34.02 0.74 0.00	32.35 0.68 0.00	33.33 0.75 0.00	33.70 0.66 0.00	32.41 0.86 0.00	42.31 1.23 0.00	45.21 1.63 0.00	45.20 1.78 0.00	47.08 1.92 0.00	74.00 3.08 0.00	61.72 2.63 0.00	52.90 2.22 0.00	45.13 1.80 0.00	39.73 1.59 0.00



NEG CENTRAL_HIGH_ACRES 23767	31.20 -1.43 0.00	32.76 -1.23 0.00	32.59 -1.16 0.00	30.99 -1.06 0.00	32.04 -1.03 0.00	32.21 -1.01 0.00	43.87 -1.85 0.00	84.36 -4.12 0.00	41.38 -2.00 0.00	31.66 -1.60 0.00	31.58 -1.71 0.00	30.11 -1.56 0.00	30.99 -1.59 0.00	31.56 -1.48 0.00	30.44 -1.11 0.00	39.61 -1.46 0.00	41.70 -1.88 0.00	41.47 -1.96 0.00	43.03 -2.13 0.00	67.52 -3.41 0.00	55.89 -3.20 0.00	47.89 -2.80 0.00	41.06 -2.27 0.00	36.19 -1.95 0.00
NEG CENTRAL___DRP 24199	32.01 -0.62 0.00	33.48 -0.51 0.00	33.29 -0.46 0.00	31.66 -0.38 0.00	32.74 -0.32 0.00	32.98 -0.23 0.00	45.30 -0.43 0.00	87.27 -1.21 0.00	42.74 -0.65 0.00	32.58 -0.67 0.00	32.41 -0.87 0.00	30.81 -0.86 0.00	31.69 -0.90 0.00	32.26 -0.78 0.00	31.07 -0.47 0.00	40.66 -0.41 0.00	42.99 -0.59 0.00	42.81 -0.62 0.00	44.50 -0.66 0.00	69.85 -1.08 0.00	57.89 -1.20 0.00	49.65 -1.04 0.00	42.44 -0.88 0.00	37.29 -0.85 0.00
NEG CENTRAL___INDECK 23768	32.28 -0.35 0.00	34.08 0.09 0.00	33.96 0.22 0.00	32.31 0.27 0.00	33.54 0.47 0.00	33.83 0.61 0.00	46.09 0.37 0.00	88.67 0.19 0.00	43.35 -0.04 0.00	32.54 -0.72 0.00	32.16 -1.13 0.00	30.72 -0.96 0.00	31.61 -0.97 0.00	32.15 -0.89 0.00	31.15 -0.40 0.00	41.22 0.15 0.00	43.47 -0.11 0.00	43.30 -0.13 0.00	45.06 -0.10 0.00	70.87 -0.06 0.00	58.40 -0.69 0.00	49.99 -0.70 0.00	42.78 -0.55 0.00	37.53 -0.61 0.00
NEG CENTRAL___SENECA 23627	32.03 -0.60 0.00	33.56 -0.43 0.00	33.38 -0.37 0.00	31.76 -0.28 0.00	32.87 -0.19 0.00	33.14 -0.07 0.00	45.48 -0.23 0.00	87.53 -0.95 0.00	42.90 -0.49 0.00	32.67 -0.59 0.00	32.41 -0.88 0.00	30.80 -0.87 0.00	31.66 -0.92 0.00	32.26 -0.78 0.00	31.14 -0.41 0.00	40.82 -0.25 0.00	43.17 -0.41 0.00	42.97 -0.46 0.00	44.67 -0.49 0.00	70.03 -0.90 0.00	57.95 -1.13 0.00	49.75 -0.93 0.00	42.55 -0.78 0.00	37.36 -0.78 0.00
NEG CENTRAL___STATE_STREET 24147	32.29 -0.34 0.00	33.63 -0.36 0.00	33.41 -0.34 0.00	31.77 -0.27 0.00	32.82 -0.25 0.00	33.01 -0.20 0.00	45.36 -0.36 0.00	87.59 -0.89 0.00	42.88 -0.51 0.00	32.72 -0.54 0.00	32.63 -0.66 0.00	31.00 -0.66 0.00	31.91 -0.68 0.00	32.46 -0.58 0.00	31.23 -0.32 0.00	40.75 -0.33 0.00	43.12 -0.46 0.00	42.91 -0.51 0.00	44.65 -0.51 0.00	70.16 -0.76 0.00	58.24 -0.84 0.00	49.91 -0.77 0.00	42.66 -0.67 0.00	37.51 -0.63 0.00
NEG MILLWOOD___DRP 24198	33.77 1.14 0.00	35.03 1.04 0.00	34.62 0.87 0.00	32.87 0.82 0.00	33.90 0.83 0.00	33.99 0.78 0.00	47.24 1.52 0.00	91.66 3.18 0.00	45.00 1.61 0.00	34.50 1.24 0.00	34.47 1.19 0.00	32.76 1.09 0.00	33.74 1.16 0.00	34.18 1.14 0.00	32.77 1.22 0.00	42.50 1.43 0.00	45.10 1.52 0.00	44.97 1.55 0.00	46.93 1.77 0.00	73.92 2.99 0.00	61.55 2.46 0.00	52.70 2.02 0.00	44.93 1.61 0.00	39.49 1.35 0.00
NEG NORTH_FLCN_SEA 23793	32.84 0.21 0.00	34.39 0.40 0.00	34.97 1.22 0.00	33.29 1.24 0.00	34.29 1.22 0.00	34.59 1.38 0.00	47.84 2.12 0.00	93.46 4.97 0.00	46.13 2.75 0.00	35.25 1.99 0.00	35.30 2.02 0.00	33.73 2.06 0.00	34.64 2.05 0.00	34.99 1.95 0.00	33.34 1.79 0.00	43.46 2.39 0.00	46.32 2.75 0.00	46.02 2.60 0.00	48.03 2.87 0.00	75.49 4.57 0.00	62.81 3.72 0.00	53.65 2.97 0.00	45.88 2.55 0.00	40.50 2.36 0.00
NEG NORTH_KES_CHATEGAY 23792	32.88 0.25 0.00	34.37 0.38 0.00	34.63 0.88 0.00	32.86 0.82 0.00	33.86 0.80 0.00	34.12 0.91 0.00	47.00 1.27 0.00	91.60 3.12 0.00	45.17 1.79 0.00	34.60 1.35 0.00	34.56 1.27 0.00	32.88 1.21 0.00	33.79 1.21 0.00	34.21 1.17 0.00	32.38 0.83 0.00	42.19 1.11 0.00	45.02 1.44 0.00	44.91 1.48 0.00	46.77 1.61 0.00	73.51 2.58 0.00	61.30 2.21 0.00	52.54 1.86 0.00	44.95 1.62 0.00	39.64 1.50 0.00
NEG NORTH___ALICE_FALLS 23915	33.02 0.39 0.00	34.56 0.57 0.00	35.05 1.30 0.00	33.34 1.30 0.00	34.36 1.29 0.00	34.66 1.45 0.00	47.92 2.20 0.00	93.62 5.14 0.00	46.18 2.79 0.00	35.24 1.98 0.00	35.25 1.96 0.00	33.67 2.00 0.00	34.56 1.97 0.00	34.93 1.89 0.00	33.23 1.68 0.00	43.35 2.28 0.00	46.24 2.66 0.00	46.01 2.59 0.00	48.03 2.87 0.00	75.51 4.58 0.00	62.83 3.74 0.00	53.72 3.03 0.00	45.91 2.59 0.00	40.50 2.36 0.00
NEG NORTH___LWR_SARANAC 23913	33.02 0.39 0.00	34.56 0.57 0.00	35.05 1.30 0.00	33.34 1.30 0.00	34.36 1.29 0.00	34.66 1.45 0.00	47.92 2.20 0.00	93.62 5.14 0.00	46.18 2.79 0.00	35.24 1.98 0.00	35.25 1.96 0.00	33.67 2.00 0.00	34.56 1.97 0.00	34.93 1.89 0.00	33.23 1.68 0.00	43.35 2.28 0.00	46.24 2.66 0.00	46.01 2.59 0.00	48.03 2.87 0.00	75.51 4.58 0.00	62.83 3.74 0.00	53.72 3.03 0.00	45.91 2.59 0.00	40.50 2.36 0.00
NEG NORTH___PLATTSBURG 23628	33.02 0.39 0.00	34.56 0.57 0.00	35.05 1.30 0.00	33.34 1.30 0.00	34.36 1.29 0.00	34.66 1.45 0.00	47.91 2.20 0.00	93.62 5.14 0.00	46.18 2.79 0.00	35.24 1.98 0.00	35.25 1.96 0.00	33.67 2.00 0.00	34.56 1.97 0.00	34.93 1.89 0.00	33.24 1.69 0.00	43.35 2.28 0.00	46.24 2.66 0.00	46.01 2.59 0.00	48.04 2.88 0.00	75.51 4.58 0.00	62.83 3.74 0.00	53.72 3.03 0.00	45.91 2.59 0.00	40.50 2.36 0.00
NEG WEST_LEA_LOCKPORT 23791	30.95 -1.68 0.00	32.81 -1.18 0.00	32.74 -1.01 0.00	31.08 -0.97 0.00	32.15 -0.91 0.00	32.23 -0.98 0.00	43.05 -2.67 0.00	81.87 -6.61 0.00	40.41 -2.98 0.00	31.13 -2.13 0.00	31.02 -2.27 0.00	29.67 -2.01 0.00	30.42 -2.17 0.00	30.97 -2.07 0.00	30.01 -1.54 0.00	39.03 -2.04 0.00	40.81 -2.77 0.00	40.48 -2.94 0.00	41.90 -3.25 0.00	65.50 -5.43 0.00	54.05 -5.04 0.00	46.42 -4.26 0.00	40.16 -3.17 0.00	35.60 -2.54 0.00
NEG WEST___LANCASTR 23811	32.06 -0.57 0.00	33.93 -0.06 0.00	33.79 0.04 0.00	32.12 0.08 0.00	33.15 0.08 0.00	33.18 -0.03 0.00	44.71 -1.01 0.00	85.53 -2.95 0.00	42.17 -1.22 0.00	32.52 -0.74 0.00	32.35 -0.94 0.00	30.98 -0.68 0.00	31.85 -0.74 0.00	32.42 -0.62 0.00	31.39 -0.16 0.00	40.73 -0.35 0.00	42.64 -0.94 0.00	42.25 -1.17 0.00	43.72 -1.44 0.00	68.53 -2.39 0.00	56.59 -2.50 0.00	48.55 -2.14 0.00	41.88 -1.44 0.00	36.99 -1.15 0.00
NEG_PENN_ALLEGHNY 23528	32.19 -0.44 0.00	33.63 -0.36 0.00	33.40 -0.34 0.00	31.78 -0.26 0.00	32.79 -0.28 0.00	32.98 -0.23 0.00	45.41 -0.31 0.00	87.81 -0.67 0.00	43.03 -0.36 0.00	32.97 -0.28 0.00	32.85 -0.43 0.00	31.29 -0.38 0.00	32.22 -0.37 0.00	32.72 -0.32 0.00	31.44 -0.11 0.00	41.05 -0.02 0.00	43.36 -0.21 0.00	43.19 -0.23 0.00	44.86 -0.30 0.00	70.62 -0.30 0.00	58.57 -0.52 0.00	50.09 -0.59 0.00	42.86 -0.47 0.00	37.63 -0.51 0.00
NEG___GEN_MONROE 24207	31.84 -0.79 0.00	33.60 -0.39 0.00	33.48 -0.27 0.00	31.84 -0.20 0.00	32.96 -0.11 0.00	33.14 -0.07 0.00	44.83 -0.90 0.00	85.83 -2.65 0.00	42.06 -1.33 0.00	32.15 -1.11 0.00	31.97 -1.32 0.00	30.51 -1.16 0.00	31.42 -1.16 0.00	32.03 -1.01 0.00	30.96 -0.59 0.00	40.30 -0.77 0.00	42.46 -1.12 0.00	42.21 -1.22 0.00	43.77 -1.40 0.00	68.66 -2.27 0.00	56.75 -2.34 0.00	48.61 -2.07 0.00	41.76 -1.56 0.00	36.85 -1.29 0.00



NEPA__ENERGY 23901	31.63 -1.00 0.00	33.21 -0.78 0.00	33.02 -0.73 0.00	31.36 -0.68 0.00	32.41 -0.66 0.00	32.69 -0.52 0.00	44.38 -1.34 0.00	85.21 -3.27 0.00	41.90 -1.49 0.00	32.28 -0.98 0.00	32.03 -1.26 0.00	30.62 -1.06 0.00	31.41 -1.17 0.00	32.09 -0.95 0.00	31.09 -0.46 0.00	40.24 -0.84 0.00	42.10 -1.49 0.00	41.93 -1.49 0.00	43.45 -1.71 0.00	68.59 -2.34 0.00	56.66 -2.42 0.00	48.37 -2.31 0.00	41.47 -1.85 0.00	36.42 -1.72 0.00
NEVERSINK__HYD 23608	33.66 1.03 0.00	35.24 1.25 0.00	34.90 1.15 0.00	33.19 1.14 0.00	34.24 1.18 0.00	34.41 1.19 0.00	47.72 2.00 0.00	92.47 3.99 0.00	45.25 1.86 0.00	34.58 1.32 0.00	34.49 1.20 0.00	32.74 1.07 0.00	33.65 1.07 0.00	34.24 1.20 0.00	32.91 1.36 0.00	42.92 1.85 0.00	45.60 2.02 0.00	45.47 2.04 0.00	47.43 2.27 0.00	74.71 3.78 0.00	62.13 3.05 0.00	53.19 2.50 0.00	45.36 2.03 0.00	39.84 1.71 0.00
NEWKRMKL_115KV_TB1 55635	33.52 0.90 0.00	34.87 0.88 0.00	34.48 0.73 0.00	32.76 0.72 0.00	33.85 0.79 0.00	33.97 0.75 0.00	46.89 1.18 0.00	90.61 2.13 0.00	44.40 1.01 0.00	33.96 0.71 0.00	34.01 0.72 0.00	32.28 0.61 0.00	33.17 0.59 0.00	33.51 0.47 0.00	32.09 0.54 0.00	41.84 0.77 0.00	44.54 0.96 0.00	44.45 1.03 0.00	46.26 1.10 0.00	72.64 1.71 0.00	60.56 1.47 0.00	51.96 1.28 0.00	44.38 1.05 0.00	39.13 0.99 0.00
NEWTON__FALLS_HYD 23847	32.84 0.22 0.00	34.39 0.40 0.00	34.13 0.38 0.00	32.36 0.31 0.00	33.38 0.31 0.00	33.92 0.70 0.00	46.81 1.09 0.00	91.10 2.62 0.00	44.59 1.20 0.00	33.97 0.71 0.00	33.90 0.61 0.00	32.10 0.43 0.00	32.92 0.34 0.00	33.54 0.50 0.00	31.91 0.36 0.00	41.72 0.64 0.00	44.46 0.88 0.00	44.49 1.07 0.00	46.20 1.05 0.00	72.77 1.84 0.00	60.82 1.73 0.00	52.10 1.41 0.00	44.42 1.09 0.00	38.94 0.80 0.00
NGRID_A1_DSASP 323792	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.35 0.00	31.80 -1.42 0.00	42.37 -3.35 0.00	80.48 -8.00 0.00	39.76 -3.63 0.00	30.72 -2.54 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.10 -2.49 0.00	30.66 -2.38 0.00	29.69 -1.86 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	40.01 -3.41 0.00	41.34 -3.82 0.00	64.48 -6.44 0.00	53.15 -5.93 0.00	45.66 -5.02 0.00	39.54 -3.79 0.00	35.16 -2.98 0.00
NGRID_A2_DSASP 323793	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.35 0.00	31.80 -1.42 0.00	42.37 -3.35 0.00	80.48 -8.00 0.00	39.76 -3.63 0.00	30.72 -2.54 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.10 -2.49 0.00	30.66 -2.38 0.00	29.69 -1.86 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	40.01 -3.41 0.00	41.34 -3.82 0.00	64.48 -6.44 0.00	53.15 -5.93 0.00	45.66 -5.02 0.00	39.54 -3.79 0.00	35.16 -2.98 0.00
NGRID_A4_DSASP 323807	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.35 0.00	31.80 -1.42 0.00	42.37 -3.35 0.00	80.48 -8.00 0.00	39.76 -3.63 0.00	30.72 -2.54 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.10 -2.49 0.00	30.66 -2.38 0.00	29.69 -1.86 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	40.01 -3.41 0.00	41.34 -3.82 0.00	64.48 -6.44 0.00	53.15 -5.93 0.00	45.66 -5.02 0.00	39.54 -3.79 0.00	35.16 -2.98 0.00
NIAGARA_115E_LBMP 323715	30.55 -2.08 0.00	32.40 -1.59 0.00	32.35 -1.40 0.00	30.70 -1.35 0.00	31.74 -1.33 0.00	31.77 -1.44 0.00	42.31 -3.41 0.00	80.37 -8.11 0.00	39.74 -3.65 0.00	30.68 -2.58 0.00	30.63 -2.66 0.00	29.30 -2.37 0.00	30.03 -2.55 0.00	30.60 -2.44 0.00	29.64 -1.91 0.00	38.48 -2.59 0.00	40.20 -3.37 0.00	39.90 -3.53 0.00	41.25 -3.91 0.00	64.34 -6.59 0.00	53.12 -5.97 0.00	45.64 -5.05 0.00	39.59 -3.74 0.00	35.14 -3.00 0.00
NIAGARA_115W_LBMP 323714	30.47 -2.16 0.00	32.35 -1.64 0.00	32.26 -1.48 0.00	30.63 -1.41 0.00	31.66 -1.40 0.00	31.73 -1.48 0.00	42.28 -3.44 0.00	80.31 -8.17 0.00	39.67 -3.71 0.00	30.66 -2.60 0.00	30.65 -2.64 0.00	29.33 -2.34 0.00	30.04 -2.54 0.00	30.60 -2.44 0.00	29.64 -1.91 0.00	38.44 -2.63 0.00	40.23 -3.35 0.00	39.93 -3.50 0.00	41.26 -3.90 0.00	64.34 -6.58 0.00	53.04 -6.04 0.00	45.57 -5.11 0.00	39.46 -3.86 0.00	35.09 -3.05 0.00
NIAGARA_230_LBMP 323716	30.75 -1.88 0.00	32.62 -1.37 0.00	32.53 -1.22 0.00	30.89 -1.16 0.00	31.91 -1.15 0.00	31.97 -1.24 0.00	42.70 -3.02 0.00	81.19 -7.29 0.00	40.08 -3.30 0.00	30.96 -2.30 0.00	30.90 -2.39 0.00	29.56 -2.11 0.00	30.30 -2.28 0.00	30.86 -2.18 0.00	29.89 -1.66 0.00	38.76 -2.31 0.00	40.57 -3.02 0.00	40.26 -3.17 0.00	41.61 -3.55 0.00	64.99 -5.94 0.00	53.63 -5.46 0.00	46.06 -4.62 0.00	39.87 -3.46 0.00	35.40 -2.74 0.00
NIAGARA__115KV_198_GIBSON 55903	30.47 -2.16 0.00	32.35 -1.63 0.00	32.27 -1.48 0.00	30.63 -1.42 0.00	31.67 -1.40 0.00	31.74 -1.48 0.00	42.29 -3.43 0.00	80.31 -8.17 0.00	39.67 -3.71 0.00	30.67 -2.59 0.00	30.65 -2.64 0.00	29.33 -2.34 0.00	30.03 -2.55 0.00	30.59 -2.45 0.00	29.64 -1.91 0.00	38.44 -2.64 0.00	40.22 -3.36 0.00	39.90 -3.53 0.00	41.24 -3.92 0.00	64.34 -6.58 0.00	53.04 -6.05 0.00	45.57 -5.11 0.00	39.45 -3.87 0.00	35.08 -3.06 0.00
NIAGARA____ 23760	30.75 -1.88 0.00	32.62 -1.37 0.00	32.53 -1.22 0.00	30.89 -1.16 0.00	31.91 -1.15 0.00	31.97 -1.24 0.00	42.70 -3.02 0.00	81.19 -7.29 0.00	40.08 -3.30 0.00	30.96 -2.30 0.00	30.90 -2.39 0.00	29.56 -2.11 0.00	30.30 -2.28 0.00	30.86 -2.18 0.00	29.89 -1.66 0.00	38.76 -2.31 0.00	40.57 -3.02 0.00	40.26 -3.17 0.00	41.61 -3.55 0.00	64.99 -5.94 0.00	53.63 -5.46 0.00	46.06 -4.62 0.00	39.87 -3.46 0.00	35.40 -2.74 0.00
NINE_MILE_1 23575	31.37 -1.26 0.00	32.73 -1.26 0.00	32.52 -1.23 0.00	30.91 -1.13 0.00	31.89 -1.18 0.00	32.03 -1.18 0.00	43.95 -1.77 0.00	84.92 -3.56 0.00	41.63 -1.76 0.00	31.93 -1.33 0.00	32.02 -1.27 0.00	30.48 -1.19 0.00	31.36 -1.22 0.00	31.84 -1.20 0.00	30.53 -1.02 0.00	39.67 -1.40 0.00	41.83 -1.75 0.00	41.62 -1.81 0.00	43.26 -1.91 0.00	67.92 -3.01 0.00	56.48 -2.61 0.00	48.42 -2.26 0.00	41.44 -1.89 0.00	36.49 -1.65 0.00
NINE_MILE_2 23744	31.37 -1.26 0.00	32.73 -1.26 0.00	32.52 -1.23 0.00	30.91 -1.13 0.00	31.89 -1.18 0.00	32.03 -1.18 0.00	43.95 -1.77 0.00	84.93 -3.55 0.00	41.63 -1.76 0.00	31.93 -1.33 0.00	32.02 -1.27 0.00	30.49 -1.18 0.00	31.37 -1.22 0.00	31.85 -1.19 0.00	30.54 -1.01 0.00	39.67 -1.40 0.00	41.83 -1.75 0.00	41.62 -1.81 0.00	43.26 -1.91 0.00	67.93 -3.00 0.00	56.48 -2.61 0.00	48.43 -2.25 0.00	41.45 -1.88 0.00	36.49 -1.65 0.00
NM_CAPITAL__DRP 24208	33.44 0.82 0.00	34.78 0.79 0.00	34.39 0.64 0.00	32.68 0.63 0.00	33.78 0.71 0.00	33.86 0.65 0.00	46.74 1.02 0.00	90.28 1.80 0.00	44.24 0.85 0.00	33.86 0.60 0.00	33.93 0.64 0.00	32.19 0.52 0.00	33.09 0.51 0.00	33.42 0.37 0.00	32.02 0.47 0.00	41.73 0.65 0.00	44.41 0.83 0.00	44.32 0.90 0.00	46.13 0.98 0.00	72.41 1.48 0.00	60.39 1.30 0.00	51.85 1.17 0.00	44.29 0.96 0.00	39.08 0.94 0.00



NM_CENTRAL___DRP 24181	31.85 -0.78 0.00	33.25 -0.74 0.00	33.02 -0.73 0.00	31.39 -0.65 0.00	32.40 -0.66 0.00	32.59 -0.63 0.00	44.75 -0.97 0.00	86.48 -2.00 0.00	42.34 -1.05 0.00	32.42 -0.83 0.00	32.46 -0.83 0.00	30.91 -0.76 0.00	31.79 -0.79 0.00	32.31 -0.73 0.00	31.05 -0.50 0.00	40.37 -0.70 0.00	42.59 -0.99 0.00	42.38 -1.04 0.00	44.05 -1.11 0.00	69.20 -1.73 0.00	57.51 -1.58 0.00	49.28 -1.40 0.00	42.15 -1.18 0.00	37.08 -1.06 0.00
NM_FRONTIER___DRP 24179	30.47 -2.16 0.00	32.35 -1.63 0.00	32.27 -1.48 0.00	30.63 -1.42 0.00	31.67 -1.40 0.00	31.74 -1.48 0.00	42.29 -3.43 0.00	80.31 -8.17 0.00	39.67 -3.71 0.00	30.67 -2.59 0.00	30.65 -2.64 0.00	29.33 -2.34 0.00	30.03 -2.55 0.00	30.59 -2.45 0.00	29.64 -1.91 0.00	38.44 -2.64 0.00	40.22 -3.36 0.00	39.90 -3.53 0.00	41.24 -3.92 0.00	64.34 -6.58 0.00	53.04 -6.05 0.00	45.57 -5.11 0.00	39.45 -3.87 0.00	35.08 -3.06 0.00
NM_ST_REGIS___HYD 24053	33.23 0.60 0.00	34.71 0.71 0.00	34.69 0.94 0.00	32.88 0.83 0.00	33.90 0.83 0.00	34.22 1.00 0.00	47.06 1.34 0.00	91.63 3.15 0.00	45.08 1.69 0.00	34.45 1.20 0.00	34.41 1.12 0.00	32.70 1.03 0.00	33.60 1.02 0.00	34.09 1.05 0.00	32.23 0.68 0.00	41.99 0.91 0.00	44.84 1.25 0.00	44.76 1.34 0.00	46.59 1.44 0.00	73.26 2.33 0.00	61.19 2.10 0.00	52.48 1.80 0.00	44.82 1.49 0.00	39.49 1.35 0.00
NORTHPORT___1 23551	33.56 0.94 0.00	34.86 0.87 0.00	34.34 0.59 0.00	32.45 0.41 0.00	33.46 0.39 0.00	33.49 0.27 0.00	46.69 0.97 0.00	90.74 2.26 0.00	44.20 0.81 0.00	34.25 0.99 0.00	34.39 1.10 0.00	32.59 0.93 0.00	33.56 0.98 0.00	34.10 1.04 -0.02	32.92 1.26 -0.11	42.70 1.63 0.00	45.08 1.50 0.00	44.52 1.10 0.00	46.45 1.29 0.00	73.32 2.39 0.00	61.32 2.23 0.00	52.42 1.74 0.00	44.85 1.52 0.00	39.21 1.08 0.00
NORTHPORT___2 23552	33.56 0.94 0.00	34.86 0.87 0.00	34.34 0.59 0.00	32.45 0.41 0.00	33.46 0.39 0.00	33.49 0.27 0.00	46.69 0.97 0.00	90.74 2.26 0.00	44.20 0.81 0.00	34.25 0.99 0.00	34.39 1.10 0.00	32.59 0.93 0.00	33.56 0.98 0.00	34.10 1.04 -0.02	32.92 1.26 -0.11	42.70 1.63 0.00	45.08 1.50 0.00	44.52 1.10 0.00	46.45 1.29 0.00	73.32 2.39 0.00	61.32 2.23 0.00	52.42 1.74 0.00	44.85 1.52 0.00	39.21 1.08 0.00
NORTHPORT___3 23553	33.54 0.92 0.00	34.83 0.84 0.00	34.31 0.56 0.00	32.43 0.38 0.00	33.37 0.31 0.00	33.41 0.19 0.00	46.49 0.77 0.00	90.32 1.84 0.00	44.09 0.70 0.00	34.18 0.92 0.00	34.36 1.07 0.00	32.57 0.90 0.00	33.55 0.97 0.00	34.05 1.00 -0.02	32.90 1.24 -0.11	42.69 1.62 0.00	45.05 1.47 0.00	44.43 1.00 0.00	46.33 1.17 0.00	73.15 2.23 0.00	61.12 2.04 0.00	52.37 1.69 0.00	44.80 1.48 0.00	39.22 1.08 0.00
NORTHPORT___4 23650	33.54 0.92 0.00	34.83 0.84 0.00	34.31 0.56 0.00	32.43 0.38 0.00	33.37 0.31 0.00	33.41 0.19 0.00	46.49 0.77 0.00	90.32 1.84 0.00	44.09 0.70 0.00	34.18 0.92 0.00	34.36 1.07 0.00	32.57 0.90 0.00	33.55 0.97 0.00	34.05 1.00 -0.02	32.90 1.24 -0.11	42.69 1.62 0.00	45.05 1.47 0.00	44.43 1.00 0.00	46.33 1.17 0.00	73.15 2.23 0.00	61.12 2.04 0.00	52.37 1.69 0.00	44.80 1.48 0.00	39.22 1.08 0.00
NORTHPORT___IC 23718	33.56 0.93 0.00	34.86 0.87 0.00	34.34 0.60 0.00	32.46 0.41 0.00	33.46 0.39 0.00	33.48 0.27 0.00	46.69 0.97 0.00	90.74 2.26 0.00	44.20 0.82 0.00	34.25 0.99 0.00	34.39 1.10 0.00	32.59 0.92 0.00	33.57 0.98 0.00	34.09 1.04 -0.02	32.92 1.26 -0.11	42.70 1.63 0.00	45.08 1.50 0.00	44.52 1.10 0.00	46.45 1.29 0.00	73.32 2.39 0.00	61.33 2.24 0.00	52.42 1.74 0.00	44.85 1.52 0.00	39.22 1.08 0.00
NORTH___COUNTRY_ESR 323785	32.81 0.18 0.00	34.30 0.31 0.00	34.53 0.78 0.00	32.74 0.70 0.00	33.75 0.68 0.00	33.98 0.77 0.00	46.80 1.08 0.00	91.18 2.70 0.00	44.98 1.60 0.00	34.50 1.24 0.00	34.50 1.21 0.00	32.86 1.19 0.00	33.77 1.19 0.00	34.20 1.17 0.00	32.36 0.81 0.00	42.15 1.07 0.00	44.94 1.36 0.00	44.75 1.33 0.00	46.57 1.41 0.00	73.11 2.18 0.00	60.97 1.88 0.00	52.28 1.60 0.00	44.73 1.40 0.00	39.45 1.31 0.00
NPX_GEN_1385_PROXY 323591	33.33 0.70 0.00	34.61 0.62 0.00	34.09 0.34 0.00	32.23 0.18 0.00	33.22 0.15 0.00	33.27 0.06 0.00	46.69 0.97 0.00	90.74 2.26 0.00	44.20 0.81 0.00	34.25 0.99 0.00	34.39 1.10 0.00	32.59 0.93 0.00	33.56 0.98 0.00	34.10 1.04 -0.02	32.90 1.24 -0.11	42.32 1.25 0.00	44.67 1.09 0.00	44.01 0.59 0.00	45.90 0.74 0.00	72.42 1.50 0.00	60.89 1.80 0.00	51.88 1.20 0.00	44.50 1.17 0.00	38.82 0.68 0.00
NPX_GEN_CSC 323557	33.01 0.38 0.00	34.42 0.43 0.00	33.77 0.02 0.00	31.77 -0.27 0.00	32.98 -0.09 0.00	32.96 -0.25 0.00	45.97 0.25 0.00	89.44 0.96 0.00	43.03 -0.35 0.00	33.63 0.38 0.00	33.68 0.40 0.00	31.76 0.09 0.00	32.43 -0.13 0.02	32.99 -0.06 -0.02	31.96 0.30 -0.11	42.06 0.99 0.00	44.03 0.45 0.00	43.52 0.09 0.00	45.55 0.39 0.00	72.20 1.27 0.00	60.62 1.53 0.00	51.48 0.80 0.00	43.92 0.59 0.00	38.36 0.22 0.00
NSINS_S___GLNS_FALLS 23858	33.93 1.30 0.00	35.28 1.29 0.00	34.94 1.19 0.00	33.20 1.16 0.00	34.37 1.30 0.00	34.62 1.41 0.00	48.05 2.33 0.00	92.63 4.15 0.00	45.16 1.77 0.00	34.28 1.02 0.00	34.14 0.85 0.00	32.51 0.84 0.00	33.51 0.93 0.00	33.82 0.78 0.00	32.77 1.22 0.00	42.93 1.86 0.00	46.06 2.48 0.00	45.97 2.54 0.00	47.93 2.77 0.00	75.31 4.39 0.00	62.91 3.82 0.00	53.92 3.23 0.00	45.91 2.58 0.00	40.33 2.19 0.00
NUCOR_STEEL___DRP 24197	32.28 -0.35 0.00	33.59 -0.40 0.00	33.38 -0.37 0.00	31.74 -0.30 0.00	32.77 -0.30 0.00	32.96 -0.25 0.00	45.28 -0.44 0.00	87.43 -1.05 0.00	42.81 -0.58 0.00	32.68 -0.58 0.00	32.62 -0.67 0.00	31.00 -0.67 0.00	31.91 -0.68 0.00	32.45 -0.59 0.00	31.22 -0.33 0.00	40.70 -0.38 0.00	43.05 -0.53 0.00	42.84 -0.59 0.00	44.57 -0.59 0.00	70.05 -0.87 0.00	58.16 -0.92 0.00	49.84 -0.84 0.00	42.59 -0.74 0.00	37.47 -0.67 0.00
NUMBER_THREE_WT_PWR 323818	32.75 0.12 0.00	34.41 0.42 0.00	33.99 0.24 0.00	32.25 0.20 0.00	33.27 0.20 0.00	34.03 0.82 0.00	47.23 1.51 0.00	91.93 3.45 0.00	44.86 1.47 0.00	34.09 0.83 0.00	33.98 0.69 0.00	32.11 0.45 0.00	32.91 0.33 0.00	33.60 0.55 0.00	32.24 0.69 0.00	42.24 1.17 0.00	45.00 1.42 0.00	45.08 1.65 0.00	46.68 1.52 0.00	73.62 2.69 0.00	61.56 2.47 0.00	52.68 2.00 0.00	44.82 1.49 0.00	39.09 0.95 0.00
NYISO_LBMP_REFERENCE 24008	32.63 0.00 0.00	33.99 0.00 0.00	33.75 0.00 0.00	32.04 0.00 0.00	33.07 0.00 0.00	33.21 0.00 0.00	45.72 0.00 0.00	88.48 0.00 0.00	43.39 0.00 0.00	33.26 0.00 0.00	33.29 0.00 0.00	31.67 0.00 0.00	32.58 0.00 0.00	33.04 0.00 0.00	31.55 0.00 0.00	41.07 0.00 0.00	43.58 0.00 0.00	43.42 0.00 0.00	45.16 0.00 0.00	70.93 0.00 0.00	59.09 0.00 0.00	50.68 0.00 0.00	43.33 0.00 0.00	38.14 0.00 0.00



NYPA_BRENTWD____GT 24164	34.02 1.39 0.00	35.24 1.25 0.00	34.70 0.95 0.00	32.81 0.77 0.00	33.82 0.76 0.00	33.93 0.71 0.00	47.32 1.60 0.00	92.04 3.56 0.00	44.80 1.41 0.00	34.67 1.41 0.00	34.73 1.45 0.00	32.86 1.19 0.00	33.87 1.28 0.00	34.40 1.34 -0.02	33.22 1.56 -0.11	43.16 2.09 0.00	45.62 2.04 0.00	45.10 1.68 0.00	47.15 1.99 0.00	74.26 3.33 0.00	62.24 3.15 0.00	53.17 2.49 0.00	45.42 2.10 0.00	39.68 1.54 0.00
NYPA_GOWANUS____GT5 24156	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NYPA_GOWANUS____GT6 24157	64.42 1.42 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.10 1.02 -23.03	56.09 0.98 -22.04	56.88 0.92 -22.75	58.35 1.72 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.65 1.52 -24.45	58.14 1.70 -23.86	58.24 1.74 -23.46	56.94 1.87 -23.52	57.92 2.11 -14.74	58.06 2.10 -12.38	58.05 2.07 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.47 -6.77	58.15 2.06 -12.77	57.61 1.66 -17.81
NYPA_HARLEM__RVR__GT1 24160	33.72 1.09 0.00	34.92 0.93 0.00	34.51 0.77 0.00	32.73 0.69 0.00	33.68 0.61 0.00	33.74 0.52 0.00	46.94 1.22 0.00	90.81 2.33 0.00	44.58 1.19 0.00	34.39 1.13 0.00	34.39 1.11 0.00	32.76 1.10 0.00	33.86 1.27 0.00	34.73 1.33 -0.36	35.48 1.45 -2.47	42.66 1.59 0.00	45.20 1.61 0.00	45.00 1.58 0.00	46.93 1.77 0.00	73.71 2.78 0.00	61.51 2.42 0.00	52.67 1.99 0.00	44.96 1.63 0.00	39.47 1.33 0.00
NYPA_HARLEM__RVR__GT2 24161	33.72 1.09 0.00	34.92 0.93 0.00	34.51 0.77 0.00	32.73 0.69 0.00	33.68 0.61 0.00	33.74 0.52 0.00	46.94 1.22 0.00	90.81 2.33 0.00	44.58 1.19 0.00	34.39 1.13 0.00	34.39 1.11 0.00	32.76 1.10 0.00	33.86 1.27 0.00	34.73 1.33 -0.36	35.48 1.45 -2.47	42.66 1.59 0.00	45.20 1.61 0.00	45.00 1.58 0.00	46.93 1.77 0.00	73.71 2.78 0.00	61.51 2.42 0.00	52.67 1.99 0.00	44.96 1.63 0.00	39.47 1.33 0.00
NYPA_KENT____GT 24152	51.63 1.31 -17.69	47.52 1.14 -12.39	47.36 0.97 -12.64	47.01 0.90 -14.06	47.40 0.87 -13.46	47.90 0.80 -13.89	53.95 1.56 -6.67	94.69 3.06 -3.15	53.47 1.50 -8.58	49.47 1.39 -14.83	48.77 1.44 -14.04	48.31 1.42 -15.23	48.95 1.59 -14.78	49.19 1.63 -14.52	48.84 1.75 -15.54	52.04 1.97 -9.00	53.09 1.95 -7.56	53.01 1.92 -7.66	56.35 2.14 -9.05	74.37 3.40 -0.05	65.82 2.81 -3.92	57.11 2.30 -4.13	53.02 1.90 -7.80	50.55 1.53 -10.88
NYPA_POUCH1____GT 24155	64.39 1.39 -30.37	56.78 1.23 -21.55	56.04 1.04 -21.25	56.05 0.97 -23.03	56.05 0.94 -22.04	56.81 0.85 -22.75	58.23 1.60 -10.92	96.71 3.06 -5.17	59.01 1.56 -14.06	58.97 1.42 -24.29	57.65 1.48 -22.88	57.57 1.44 -24.45	58.08 1.63 -23.86	58.16 1.66 -23.46	56.85 1.79 -23.52	57.81 2.00 -14.74	57.94 1.99 -12.38	57.92 1.95 -12.55	62.18 2.20 -14.82	74.35 3.34 -0.08	68.39 2.88 -6.42	59.81 2.36 -6.77	58.07 1.98 -12.77	57.54 1.58 -17.81
NYPA_VERNON____GT2 24162	38.85 1.19 -5.04	39.48 1.02 -4.48	39.17 0.84 -4.58	37.92 0.78 -5.10	38.69 0.74 -4.88	38.92 0.67 -5.03	49.54 1.40 -2.41	92.42 2.80 -1.14	47.83 1.34 -3.11	39.90 1.27 -5.37	39.82 1.32 -5.21	38.98 1.30 -6.01	39.75 1.47 -5.70	40.14 1.52 -5.59	40.75 1.64 -7.56	46.16 1.82 -3.26	48.12 1.80 -2.74	47.97 1.77 -2.78	50.40 1.96 -3.28	74.12 3.17 -0.02	63.12 2.61 -1.42	54.30 2.13 -1.50	47.90 1.75 -2.83	43.49 1.41 -3.95
NYPA_VERNON____GT3 24163	38.85 1.19 -5.04	39.48 1.02 -4.48	39.17 0.84 -4.58	37.92 0.78 -5.10	38.69 0.74 -4.88	38.92 0.67 -5.03	49.54 1.40 -2.41	92.42 2.80 -1.14	47.83 1.34 -3.11	39.90 1.27 -5.37	39.82 1.32 -5.21	38.98 1.30 -6.01	39.75 1.47 -5.70	40.14 1.52 -5.59	40.75 1.64 -7.56	46.16 1.82 -3.26	48.12 1.80 -2.74	47.97 1.77 -2.78	50.40 1.96 -3.28	74.12 3.17 -0.02	63.12 2.61 -1.42	54.30 2.13 -1.50	47.90 1.75 -2.83	43.49 1.41 -3.95
NYPA__ASTORIA_CC1 323568	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.79 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.84 0.63 0.00	47.05 1.33 0.00	91.12 2.63 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.99 1.27 -1.05	34.75 1.43 -0.74	35.05 1.47 -0.54	36.16 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.12 1.70 0.00	47.06 1.90 0.00	73.99 3.06 0.00	61.62 2.53 0.00	52.74 2.06 0.00	45.02 1.70 0.00	39.51 1.37 0.00
NYPA__ASTORIA_CC2 323569	33.78 1.15 0.00	34.96 0.97 0.00	34.55 0.79 0.00	32.79 0.75 0.00	33.76 0.69 0.00	33.84 0.63 0.00	47.05 1.33 0.00	91.12 2.63 0.00	44.66 1.28 0.00	34.48 1.22 0.00	34.83 1.28 -0.26	33.99 1.27 -1.05	34.75 1.43 -0.74	35.05 1.47 -0.54	36.16 1.60 -3.02	42.83 1.76 0.00	45.31 1.73 0.00	45.12 1.70 0.00	47.06 1.90 0.00	73.99 3.06 0.00	61.62 2.53 0.00	52.74 2.06 0.00	45.02 1.70 0.00	39.51 1.37 0.00
NYPA__HOLTSVILL 23794	33.51 0.88 0.00	34.82 0.83 0.00	34.26 0.51 0.00	32.31 0.27 0.00	33.38 0.31 0.00	33.44 0.23 0.00	46.61 0.88 0.00	90.64 2.16 0.00	44.01 0.62 0.00	34.17 0.91 0.00	34.25 0.96 0.00	32.38 0.71 0.00	33.27 0.71 0.02	33.83 0.77 -0.02	32.70 1.04 -0.11	42.65 1.57 0.00	44.94 1.36 0.00	44.40 0.98 0.00	46.41 1.25 0.00	73.38 2.46 0.00	61.40 2.31 0.00	52.39 1.71 0.00	44.74 1.42 0.00	39.10 0.96 0.00
NYPA__HELLGATE_GT1 24158	33.72 1.09 0.00	34.92 0.93 0.00	34.51 0.77 0.00	32.73 0.69 0.00	33.68 0.61 0.00	33.74 0.52 0.00	46.94 1.22 0.00	90.81 2.33 0.00	44.58 1.19 0.00	34.39 1.13 0.00	34.39 1.11 0.00	32.76 1.10 0.00	33.86 1.27 0.00	34.73 1.33 -0.36	35.48 1.45 -2.47	42.66 1.59 0.00	45.20 1.61 0.00	45.00 1.58 0.00	46.93 1.78 0.00	73.76 2.84 0.00	61.51 2.42 0.00	52.67 1.99 0.00	44.96 1.63 0.00	39.47 1.33 0.00
NYPA__HELLGATE_GT2 24159	33.72 1.09 0.00	34.92 0.93 0.00	34.51 0.77 0.00	32.73 0.69 0.00	33.68 0.61 0.00	33.74 0.52 0.00	46.94 1.22 0.00	90.81 2.33 0.00	44.58 1.19 0.00	34.39 1.13 0.00	34.39 1.11 0.00	32.76 1.10 0.00	33.86 1.27 0.00	34.73 1.33 -0.36	35.48 1.45 -2.47	42.66 1.59 0.00	45.20 1.61 0.00	45.00 1.58 0.00	46.93 1.78 0.00	73.76 2.84 0.00	61.51 2.42 0.00	52.67 1.99 0.00	44.96 1.63 0.00	39.47 1.33 0.00
NYS_BARGE__HYD 23848	30.98 -1.65 0.00	32.83 -1.16 0.00	32.76 -0.99 0.00	31.10 -0.94 0.00	32.17 -0.90 0.00	32.24 -0.97 0.00	43.07 -2.65 0.00	81.92 -6.55 0.00	40.45 -2.94 0.00	31.15 -2.10 0.00	31.05 -2.24 0.00	29.68 -1.98 0.00	30.45 -2.13 0.00	31.01 -2.03 0.00	30.06 -1.49 0.00	39.07 -2.01 0.00	40.86 -2.72 0.00	40.57 -2.85 0.00	41.97 -3.19 0.00	65.56 -5.36 0.00	54.13 -4.97 0.00	46.47 -4.21 0.00	40.23 -3.10 0.00	35.66 -2.48 0.00



OAK ORCHARD___HYD 24046	31.59 -1.04 0.00	33.25 -0.74 0.00	33.10 -0.65 0.00	31.44 -0.60 0.00	32.49 -0.57 0.00	32.65 -0.56 0.00	44.28 -1.44 0.00	85.02 -3.46 0.00	41.73 -1.65 0.00	31.99 -1.27 0.00	31.90 -1.38 0.00	30.46 -1.21 0.00	31.34 -1.24 0.00	31.91 -1.13 0.00	30.82 -0.73 0.00	40.08 -1.00 0.00	42.16 -1.42 0.00	41.90 -1.53 0.00	43.44 -1.72 0.00	68.12 -2.80 0.00	56.35 -2.74 0.00	48.29 -2.40 0.00	41.48 -1.85 0.00	36.61 -1.53 0.00
OAKDALE___35_KV_LOAD 356122	32.15 -0.48 0.00	33.57 -0.42 0.00	33.35 -0.40 0.00	31.73 -0.31 0.00	32.73 -0.34 0.00	32.91 -0.30 0.00	45.28 -0.44 0.00	87.52 -0.96 0.00	42.90 -0.49 0.00	32.84 -0.42 0.00	32.74 -0.55 0.00	31.20 -0.47 0.00	32.12 -0.47 0.00	32.62 -0.42 0.00	31.35 -0.20 0.00	40.85 -0.22 0.00	43.14 -0.44 0.00	42.94 -0.48 0.00	44.63 -0.53 0.00	70.23 -0.70 0.00	58.29 -0.79 0.00	49.97 -0.72 0.00	42.76 -0.57 0.00	37.55 -0.58 0.00
OCC_CHEM___DRP 24175	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.34 0.00	31.80 -1.41 0.00	42.38 -3.34 0.00	80.47 -8.01 0.00	39.76 -3.63 0.00	30.72 -2.53 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.09 -2.49 0.00	30.65 -2.40 0.00	29.70 -1.85 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	39.96 -3.46 0.00	41.32 -3.84 0.00	64.48 -6.44 0.00	53.14 -5.95 0.00	45.66 -5.03 0.00	39.54 -3.79 0.00	35.14 -3.00 0.00
OH_GEN_PROXY 24063	30.79 -1.84 0.00	32.64 -1.35 0.00	32.55 -1.20 0.00	30.90 -1.14 0.00	31.93 -1.14 0.00	31.99 -1.23 0.00	42.78 -2.94 0.00	81.44 -7.04 0.00	40.19 -3.19 0.00	31.03 -2.23 0.00	30.97 -2.32 0.00	29.63 -2.05 0.00	30.37 -2.21 0.00	30.94 -2.10 0.00	29.95 -1.60 0.00	38.85 -2.22 0.00	40.68 -2.90 0.00	40.36 -3.06 0.00	41.72 -3.44 0.00	65.20 -5.72 0.00	53.81 -5.28 0.00	46.21 -4.47 0.00	39.96 -3.36 0.00	35.46 -2.68 0.00
OLIN_CORP_DRP 24177	30.60 -2.03 0.00	32.46 -1.54 0.00	32.41 -1.34 0.00	30.75 -1.30 0.00	31.80 -1.27 0.00	31.84 -1.37 0.00	42.41 -3.31 0.00	80.58 -7.90 0.00	39.82 -3.56 0.00	30.76 -2.50 0.00	30.70 -2.59 0.00	29.37 -2.30 0.00	30.09 -2.49 0.00	30.64 -2.40 0.00	29.69 -1.86 0.00	38.55 -2.52 0.00	40.29 -3.29 0.00	39.96 -3.47 0.00	41.32 -3.83 0.00	64.50 -6.43 0.00	53.23 -5.86 0.00	45.75 -4.93 0.00	39.66 -3.66 0.00	35.19 -2.94 0.00
OLIN_CORP_DSASP 323712	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.35 0.00	31.80 -1.42 0.00	42.37 -3.35 0.00	80.48 -8.00 0.00	39.76 -3.63 0.00	30.72 -2.54 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.10 -2.49 0.00	30.66 -2.38 0.00	29.69 -1.86 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	40.01 -3.41 0.00	41.34 -3.82 0.00	64.48 -6.44 0.00	53.15 -5.93 0.00	45.66 -5.02 0.00	39.54 -3.79 0.00	35.16 -2.98 0.00
ONEIDA_HERK_LFGE 323681	33.08 0.46 0.00	34.57 0.58 0.00	34.23 0.48 0.00	32.51 0.47 0.00	33.57 0.50 0.00	34.03 0.81 0.00	47.14 1.42 0.00	91.47 2.99 0.00	44.66 1.28 0.00	34.00 0.74 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.04 0.46 0.00	33.63 0.59 0.00	32.26 0.71 0.00	42.15 1.08 0.00	44.85 1.27 0.00	44.86 1.43 0.00	46.61 1.45 0.00	73.33 2.40 0.00	61.14 2.05 0.00	52.35 1.66 0.00	44.59 1.27 0.00	39.06 0.92 0.00
ONEIDA___115KV_TB4 55905	33.10 0.47 0.00	34.51 0.52 0.00	34.24 0.49 0.00	32.55 0.50 0.00	33.62 0.55 0.00	33.94 0.73 0.00	46.99 1.27 0.00	91.08 2.60 0.00	44.46 1.08 0.00	33.76 0.51 0.00	33.65 0.36 0.00	31.99 0.32 0.00	32.92 0.34 0.00	33.48 0.45 0.00	32.17 0.62 0.00	41.96 0.88 0.00	44.61 1.03 0.00	44.59 1.17 0.00	46.40 1.24 0.00	72.92 2.00 0.00	60.65 1.56 0.00	51.94 1.26 0.00	44.27 0.94 0.00	38.86 0.72 0.00
ONONDAGA_REF_OCCRA 23987	32.05 -0.58 0.00	33.45 -0.54 0.00	33.23 -0.52 0.00	31.59 -0.46 0.00	32.61 -0.46 0.00	32.80 -0.41 0.00	45.08 -0.65 0.00	87.14 -1.34 0.00	42.68 -0.71 0.00	32.64 -0.62 0.00	32.64 -0.65 0.00	31.07 -0.60 0.00	31.96 -0.62 0.00	32.48 -0.56 0.00	31.21 -0.34 0.00	40.62 -0.46 0.00	42.90 -0.68 0.00	42.70 -0.72 0.00	44.41 -0.75 0.00	69.80 -1.13 0.00	57.99 -1.10 0.00	49.68 -1.00 0.00	42.48 -0.84 0.00	37.35 -0.79 0.00
ONONDAGA___COGEN 23986	32.01 -0.62 0.00	33.39 -0.60 0.00	33.17 -0.58 0.00	31.53 -0.52 0.00	32.54 -0.53 0.00	32.73 -0.48 0.00	44.98 -0.74 0.00	86.88 -1.60 0.00	42.55 -0.84 0.00	32.56 -0.70 0.00	32.58 -0.71 0.00	31.01 -0.66 0.00	31.89 -0.69 0.00	32.42 -0.62 0.00	31.14 -0.40 0.00	40.53 -0.54 0.00	42.78 -0.80 0.00	42.58 -0.85 0.00	44.28 -0.88 0.00	69.59 -1.34 0.00	57.81 -1.28 0.00	49.57 -1.12 0.00	42.39 -0.94 0.00	37.28 -0.86 0.00
ONTARIO___LFGE 23819	32.03 -0.60 0.00	33.56 -0.43 0.00	33.38 -0.37 0.00	31.77 -0.28 0.00	32.87 -0.19 0.00	33.14 -0.07 0.00	45.48 -0.24 0.00	87.53 -0.95 0.00	42.90 -0.49 0.00	32.67 -0.59 0.00	32.41 -0.88 0.00	30.80 -0.87 0.00	31.66 -0.92 0.00	32.27 -0.77 0.00	31.13 -0.42 0.00	40.82 -0.25 0.00	43.17 -0.41 0.00	42.98 -0.45 0.00	44.68 -0.48 0.00	70.03 -0.90 0.00	57.96 -1.13 0.00	49.75 -0.93 0.00	42.55 -0.78 0.00	37.36 -0.78 0.00
ORANGEVILLE_WT_PWR 323706	30.91 -1.72 0.00	32.70 -1.29 0.00	32.64 -1.10 0.00	31.06 -0.99 0.00	32.22 -0.85 0.00	32.39 -0.83 0.00	43.67 -2.05 0.00	83.34 -5.14 0.00	40.92 -2.47 0.00	31.18 -2.07 0.00	30.96 -2.32 0.00	29.66 -2.01 0.00	30.35 -2.23 0.00	30.81 -2.23 0.00	29.84 -1.71 0.00	39.24 -1.84 0.00	40.86 -2.72 0.00	40.46 -2.96 0.00	42.19 -2.97 0.00	66.29 -4.63 0.00	54.61 -4.48 0.00	46.85 -3.83 0.00	40.23 -3.10 0.00	35.42 -2.72 0.00
ORANGEVILLE___ESR 323794	30.91 -1.72 0.00	32.70 -1.29 0.00	32.64 -1.10 0.00	31.06 -0.99 0.00	32.22 -0.85 0.00	32.39 -0.83 0.00	43.67 -2.05 0.00	83.34 -5.14 0.00	40.92 -2.47 0.00	31.18 -2.07 0.00	30.96 -2.32 0.00	29.66 -2.01 0.00	30.35 -2.23 0.00	30.81 -2.23 0.00	29.84 -1.71 0.00	39.24 -1.84 0.00	40.86 -2.72 0.00	40.46 -2.96 0.00	42.19 -2.97 0.00	66.29 -4.63 0.00	54.61 -4.48 0.00	46.85 -3.83 0.00	40.23 -3.10 0.00	35.42 -2.72 0.00
OSWEGATCHIE___HYD 24044	32.84 0.22 0.00	34.39 0.40 0.00	34.14 0.39 0.00	32.36 0.31 0.00	33.38 0.31 0.00	33.92 0.70 0.00	46.81 1.09 0.00	91.10 2.62 0.00	44.59 1.20 0.00	33.97 0.71 0.00	33.90 0.61 0.00	32.10 0.43 0.00	32.92 0.34 0.00	33.54 0.49 0.00	31.91 0.36 0.00	41.72 0.64 0.00	44.46 0.88 0.00	44.49 1.07 0.00	46.20 1.05 0.00	72.77 1.84 0.00	60.82 1.73 0.00	52.10 1.41 0.00	44.42 1.09 0.00	38.94 0.80 0.00
OSWEGO___5 23606	31.58 -1.05 0.00	32.95 -1.04 0.00	32.75 -1.00 0.00	31.11 -0.93 0.00	32.11 -0.96 0.00	32.26 -0.95 0.00	44.28 -1.44 0.00	85.60 -2.88 0.00	41.93 -1.45 0.00	32.15 -1.11 0.00	32.21 -1.08 0.00	30.67 -1.01 0.00	31.55 -1.03 0.00	32.04 -1.00 0.00	30.73 -0.82 0.00	39.94 -1.13 0.00	42.15 -1.43 0.00	41.94 -1.48 0.00	43.60 -1.56 0.00	68.46 -2.47 0.00	56.93 -2.15 0.00	48.81 -1.87 0.00	41.77 -1.56 0.00	36.76 -1.38 0.00



OSWEGO___6 23613	31.58 -1.05 0.00	32.95 -1.04 0.00	32.75 -1.00 0.00	31.11 -0.93 0.00	32.11 -0.96 0.00	32.26 -0.95 0.00	44.28 -1.44 0.00	85.60 -2.88 0.00	41.93 -1.45 0.00	32.15 -1.11 0.00	32.21 -1.08 0.00	30.67 -1.01 0.00	31.55 -1.03 0.00	32.04 -1.00 0.00	30.73 -0.82 0.00	39.94 -1.13 0.00	42.15 -1.43 0.00	41.94 -1.48 0.00	43.60 -1.56 0.00	68.46 -2.47 0.00	56.93 -2.15 0.00	48.81 -1.87 0.00	41.77 -1.56 0.00	36.76 -1.38 0.00
OUTOKUMPU-AB___DRP 24206	31.27 -1.35 0.00	33.15 -0.84 0.00	33.05 -0.70 0.00	31.38 -0.66 0.00	32.46 -0.61 0.00	32.56 -0.65 0.00	43.55 -2.17 0.00	82.88 -5.60 0.00	40.93 -2.46 0.00	31.59 -1.67 0.00	31.50 -1.79 0.00	30.12 -1.55 0.00	30.84 -1.74 0.00	31.33 -1.71 0.00	30.37 -1.18 0.00	39.44 -1.64 0.00	41.24 -2.34 0.00	40.92 -2.51 0.00	42.33 -2.83 0.00	66.22 -4.71 0.00	54.74 -4.35 0.00	47.03 -3.65 0.00	40.67 -2.66 0.00	36.04 -2.09 0.00
OXBOW___BTM 323836	30.85 -1.78 0.00	32.73 -1.26 0.00	32.63 -1.12 0.00	30.98 -1.07 0.00	32.04 -1.03 0.00	32.13 -1.08 0.00	42.89 -2.83 0.00	81.57 -6.91 0.00	40.29 -3.10 0.00	31.11 -2.14 0.00	31.06 -2.23 0.00	29.72 -1.95 0.00	30.44 -2.14 0.00	30.96 -2.08 0.00	30.00 -1.56 0.00	38.93 -2.14 0.00	40.73 -2.85 0.00	40.45 -2.98 0.00	41.79 -3.37 0.00	65.28 -5.64 0.00	53.89 -5.20 0.00	46.29 -4.39 0.00	40.06 -3.27 0.00	35.57 -2.57 0.00
OXBOW____ 24026	30.85 -1.78 0.00	32.73 -1.26 0.00	32.63 -1.12 0.00	30.98 -1.07 0.00	32.04 -1.03 0.00	32.13 -1.08 0.00	42.90 -2.82 0.00	81.57 -6.91 0.00	40.29 -3.10 0.00	31.12 -2.14 0.00	31.06 -2.23 0.00	29.71 -1.96 0.00	30.44 -2.15 0.00	30.94 -2.10 0.00	30.00 -1.55 0.00	38.93 -2.15 0.00	40.73 -2.85 0.00	40.41 -3.01 0.00	41.78 -3.38 0.00	65.28 -5.64 0.00	53.88 -5.20 0.00	46.29 -4.39 0.00	40.05 -3.27 0.00	35.54 -2.59 0.00
OXY_CHEM_DSASP 323612	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.34 0.00	31.80 -1.41 0.00	42.38 -3.34 0.00	80.47 -8.01 0.00	39.76 -3.63 0.00	30.72 -2.53 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.09 -2.49 0.00	30.65 -2.40 0.00	29.70 -1.85 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	39.96 -3.46 0.00	41.32 -3.84 0.00	64.48 -6.44 0.00	53.14 -5.95 0.00	45.66 -5.03 0.00	39.54 -3.79 0.00	35.14 -3.00 0.00
OZONE_PARK_ESR 323760	33.93 1.30 0.00	35.12 1.13 0.00	34.69 0.94 0.00	32.92 0.88 0.00	33.94 0.87 0.00	34.00 0.79 0.00	47.32 1.60 0.00	91.81 3.33 0.00	44.93 1.54 0.00	34.63 1.37 0.00	34.70 1.41 0.00	33.06 1.40 0.00	34.15 1.56 0.00	35.03 1.63 -0.36	35.77 1.74 -2.48	43.08 2.00 0.00	45.57 1.99 0.00	45.41 1.98 0.00	47.35 2.19 0.00	74.55 3.63 0.00	62.04 2.96 0.00	53.09 2.41 0.00	45.30 1.97 0.00	39.71 1.57 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.34 0.00	31.80 -1.41 0.00	42.38 -3.34 0.00	80.47 -8.01 0.00	39.76 -3.63 0.00	30.72 -2.53 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.09 -2.49 0.00	30.65 -2.40 0.00	29.70 -1.85 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	39.96 -3.46 0.00	41.32 -3.84 0.00	64.48 -6.44 0.00	53.14 -5.95 0.00	45.66 -5.03 0.00	39.54 -3.79 0.00	35.14 -3.00 0.00
PACKARD___115KV_DUPONT_184 80571	30.53 -2.10 0.00	32.41 -1.58 0.00	32.32 -1.43 0.00	30.69 -1.36 0.00	31.72 -1.34 0.00	31.80 -1.41 0.00	42.38 -3.34 0.00	80.47 -8.01 0.00	39.76 -3.63 0.00	30.72 -2.53 0.00	30.70 -2.58 0.00	29.39 -2.28 0.00	30.09 -2.49 0.00	30.65 -2.40 0.00	29.70 -1.85 0.00	38.51 -2.56 0.00	40.29 -3.29 0.00	39.96 -3.46 0.00	41.32 -3.84 0.00	64.48 -6.44 0.00	53.14 -5.95 0.00	45.66 -5.03 0.00	39.54 -3.79 0.00	35.14 -3.00 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	33.72 1.10 0.00	34.93 0.94 0.00	34.53 0.79 0.00	32.75 0.71 0.00	33.71 0.64 0.00	33.79 0.57 0.00	47.00 1.28 0.00	90.84 2.36 0.00	44.55 1.16 0.00	34.34 1.08 0.00	34.36 1.07 0.00	32.72 1.06 0.00	33.80 1.21 0.00	34.66 1.25 -0.36	35.41 1.39 -2.48	42.62 1.55 0.00	45.14 1.56 0.00	44.96 1.54 0.00	46.90 1.75 0.00	73.71 2.79 0.00	61.46 2.37 0.00	52.63 1.94 0.00	44.91 1.58 0.00	39.42 1.28 0.00
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	33.73 1.10 0.00	34.96 0.97 0.00	34.83 1.08 0.00	33.03 0.98 0.00	34.00 0.93 0.00	34.10 0.89 0.00	47.53 1.81 0.00	91.15 2.68 0.00	44.82 1.43 0.00	34.54 1.28 0.00	34.47 1.18 0.00	32.82 1.16 0.00	33.88 1.29 0.00	34.73 1.32 -0.36	35.47 1.44 -2.48	42.63 1.56 0.00	45.15 1.57 0.00	45.04 1.62 0.00	46.99 1.83 0.00	73.93 3.00 0.00	61.62 2.53 0.00	52.73 2.05 0.00	45.02 1.69 0.00	39.52 1.38 0.00
PATROON___115KV_TB1 80586	33.57 0.94 0.00	34.91 0.92 0.00	34.53 0.78 0.00	32.81 0.76 0.00	33.90 0.83 0.00	34.01 0.79 0.00	46.97 1.25 0.00	90.75 2.27 0.00	44.47 1.08 0.00	34.01 0.75 0.00	34.07 0.78 0.00	32.34 0.67 0.00	33.23 0.65 0.00	33.57 0.53 0.00	32.15 0.60 0.00	41.92 0.85 0.00	44.64 1.05 0.00	44.54 1.11 0.00	46.36 1.20 0.00	72.78 1.86 0.00	60.68 1.59 0.00	52.07 1.38 0.00	44.46 1.14 0.00	39.19 1.05 0.00
PATTRSNVILLE___SOLAR 323815	33.48 0.85 0.00	34.86 0.87 0.00	34.57 0.82 0.00	32.84 0.80 0.00	33.91 0.84 0.00	34.07 0.86 0.00	47.06 1.34 0.00	91.05 2.57 0.00	44.25 0.87 0.00	33.51 0.26 0.00	33.44 0.15 0.00	31.83 0.16 0.00	32.78 0.19 0.00	33.28 0.23 0.00	31.97 0.42 0.00	41.76 0.69 0.00	44.52 0.94 0.00	44.69 1.26 0.00	46.59 1.43 0.00	73.24 2.31 0.00	61.02 1.93 0.00	52.27 1.59 0.00	44.60 1.27 0.00	39.23 1.09 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	31.99 -0.64 0.00	33.86 -0.13 0.00	33.73 -0.02 0.00	32.05 0.00 0.00	33.10 0.03 0.00	33.15 -0.06 0.00	44.61 -1.12 0.00	85.26 -3.22 0.00	42.05 -1.33 0.00	32.43 -0.83 0.00	32.26 -1.03 0.00	30.88 -0.79 0.00	31.72 -0.86 0.00	32.30 -0.74 0.00	31.30 -0.25 0.00	40.61 -0.46 0.00	42.52 -1.06 0.00	42.15 -1.28 0.00	43.60 -1.56 0.00	68.32 -2.61 0.00	56.38 -2.71 0.00	48.37 -2.31 0.00	41.74 -1.58 0.00	36.89 -1.25 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	33.77 1.14 0.00	35.03 1.04 0.00	34.62 0.87 0.00	32.87 0.82 0.00	33.90 0.83 0.00	33.99 0.78 0.00	47.24 1.52 0.00	91.66 3.18 0.00	45.00 1.61 0.00	34.50 1.24 0.00	34.47 1.19 0.00	32.76 1.09 0.00	33.74 1.16 0.00	34.18 1.14 0.00	32.77 1.22 0.00	42.50 1.43 0.00	45.10 1.52 0.00	44.97 1.55 0.00	46.93 1.77 0.00	73.92 2.99 0.00	61.55 2.46 0.00	52.70 2.02 0.00	44.93 1.61 0.00	39.49 1.35 0.00
PEEKSKILL____ 23653	33.38 0.75 0.00	34.61 0.62 0.00	34.22 0.47 0.00	32.49 0.45 0.00	33.49 0.43 0.00	33.57 0.35 0.00	46.59 0.87 0.00	90.36 1.88 0.00	44.15 0.76 0.00	33.92 0.66 0.00	33.93 0.64 0.00	32.28 0.61 0.00	33.29 0.71 0.00	33.79 0.75 0.00	32.50 0.95 0.00	42.16 1.09 0.00	44.62 1.04 0.00	44.47 1.04 0.00	46.39 1.23 0.00	73.03 2.11 0.00	60.83 1.74 0.00	52.09 1.41 0.00	44.47 1.14 0.00	39.00 0.86 0.00



PGE MADISON___WINDPWR 24146	32.89 0.26 0.00	34.54 0.55 0.00	34.66 0.91 0.00	33.48 1.43 0.00	34.69 1.62 0.00	35.12 1.91 0.00	48.88 3.16 0.00	95.24 6.76 0.00	46.37 2.99 0.00	34.92 1.66 0.00	34.36 1.07 0.00	32.67 1.00 0.00	33.44 0.86 0.00	34.09 1.05 0.00	32.83 1.28 0.00	43.17 2.10 0.00	46.62 3.04 0.00	46.65 3.22 0.00	48.56 3.40 0.00	76.62 5.69 0.00	63.61 4.53 0.00	54.27 3.59 0.00	46.29 2.97 0.00	40.45 2.31 0.00
PIERCEFIELD___HYD 23852	33.19 0.56 0.00	34.65 0.66 0.00	34.55 0.80 0.00	32.73 0.69 0.00	33.76 0.70 0.00	34.08 0.87 0.00	46.84 1.12 0.00	91.10 2.62 0.00	44.79 1.41 0.00	34.23 0.97 0.00	34.20 0.91 0.00	32.48 0.81 0.00	33.38 0.80 0.00	33.89 0.85 0.00	32.04 0.49 0.00	41.75 0.67 0.00	44.56 0.98 0.00	44.51 1.09 0.00	46.30 1.14 0.00	72.81 1.88 0.00	60.83 1.74 0.00	52.19 1.50 0.00	44.56 1.24 0.00	39.25 1.11 0.00
PINELAWN_CC_1 323563	33.77 1.14 0.00	35.02 1.02 0.00	34.51 0.76 0.00	32.62 0.57 0.00	33.64 0.58 0.00	33.73 0.51 0.00	47.05 1.33 0.00	91.50 3.03 0.00	44.59 1.21 0.00	34.48 1.22 0.00	34.53 1.25 0.00	32.69 1.02 0.00	33.66 1.08 0.00	34.21 1.15 -0.02	33.02 1.36 -0.11	42.82 1.75 0.00	45.35 1.77 0.00	44.86 1.43 0.00	46.95 1.79 0.00	74.12 3.20 0.00	61.93 2.84 0.00	52.93 2.25 0.00	45.20 1.88 0.00	39.50 1.36 0.00
PJM_GEN_HTP_PROXY 323702	33.59 0.96 0.00	34.81 0.82 0.00	34.38 0.63 0.00	32.63 0.59 0.00	33.64 0.57 0.00	33.69 0.48 0.00	46.86 1.14 0.00	90.84 2.36 0.00	44.46 1.07 0.00	34.43 1.01 -0.15	34.34 1.06 0.00	32.71 1.05 0.00	33.79 1.21 0.00	34.58 1.26 -0.27	34.83 1.41 -1.88	42.64 1.56 0.00	45.12 1.54 0.00	44.93 1.50 0.00	46.83 1.67 0.00	73.73 2.80 0.00	61.34 2.25 0.00	52.50 1.82 0.00	44.82 1.49 0.00	39.30 1.16 0.00
PJM_GEN_KEystone 24065	32.24 -0.39 0.00	33.65 -0.34 0.00	33.36 -0.39 0.00	31.71 -0.33 0.00	32.68 -0.39 0.00	32.73 -0.48 0.00	45.00 -0.72 0.00	86.86 -1.62 0.00	42.56 -0.82 0.00	32.88 -0.54 -0.15	32.63 -0.66 0.00	31.14 -0.52 0.00	32.10 -0.48 0.00	32.66 -0.41 -0.03	31.63 -0.09 -0.17	40.82 -0.26 0.00	42.95 -0.63 0.00	42.73 -0.70 0.00	44.44 -0.72 0.00	69.98 -0.95 0.00	58.08 -1.01 0.00	49.76 -0.92 0.00	42.67 -0.66 0.00	37.47 -0.66 0.00
PJM_GEN_NEPTUNE_PROXY 323594	33.50 0.87 0.00	34.75 0.76 0.00	34.27 0.52 0.00	32.43 0.38 0.00	33.43 0.37 0.00	33.49 0.28 0.00	46.63 0.91 0.00	90.58 2.10 0.00	44.21 0.83 0.00	34.34 0.93 -0.15	34.27 0.98 0.00	32.53 0.86 0.00	33.53 0.95 0.00	34.03 0.98 -0.02	32.85 1.18 -0.11	42.56 1.48 0.00	45.00 1.42 0.00	44.58 1.16 0.00	46.55 1.39 0.00	73.43 2.50 0.00	61.28 2.19 0.00	52.44 1.75 0.00	44.80 1.47 0.00	39.20 1.07 0.00
PJM_GEN_VFT_PROXY 323633	33.48 0.85 0.00	34.66 0.67 0.00	34.24 0.49 0.00	32.51 0.47 0.00	33.51 0.44 0.00	33.56 0.34 0.00	46.63 0.91 0.00	90.40 1.91 0.00	44.22 0.83 0.00	34.28 0.86 -0.15	34.19 0.91 0.00	32.61 0.94 0.00	33.67 1.09 0.00	34.55 1.15 -0.36	35.33 1.30 -2.48	42.50 1.42 0.00	44.94 1.36 0.00	44.77 1.35 0.00	46.66 1.51 0.00	73.46 2.53 0.00	61.11 2.02 0.00	52.32 1.63 0.00	44.67 1.35 0.00	39.17 1.03 0.00
PLATSBURG_115KV_PMLD1 355749	32.82 0.19 0.00	34.36 0.37 0.00	34.94 1.19 0.00	33.26 1.21 0.00	34.26 1.20 0.00	34.56 1.35 0.00	47.81 2.09 0.00	93.37 4.89 0.00	46.10 2.71 0.00	35.22 1.96 0.00	35.28 1.99 0.00	33.71 2.04 0.00	34.62 2.03 0.00	34.97 1.93 0.00	33.31 1.76 0.00	43.43 2.35 0.00	46.28 2.70 0.00	45.99 2.57 0.00	47.99 2.83 0.00	75.43 4.50 0.00	62.75 3.66 0.00	53.60 2.92 0.00	45.84 2.51 0.00	40.46 2.32 0.00
PLEASANTVLY___LBMP 24000	33.37 0.74 0.00	34.62 0.63 0.00	34.21 0.46 0.00	32.49 0.44 0.00	33.49 0.42 0.00	33.54 0.33 0.00	46.52 0.80 0.00	90.11 1.63 0.00	44.07 0.68 0.00	33.85 0.59 0.00	33.91 0.62 0.00	32.28 0.61 0.00	33.26 0.68 0.00	33.72 0.68 0.00	32.37 0.82 0.00	42.00 0.92 0.00	44.56 0.98 0.00	44.41 0.98 0.00	46.31 1.15 0.00	72.87 1.94 0.00	60.71 1.62 0.00	52.01 1.32 0.00	44.39 1.07 0.00	38.99 0.86 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	33.55 0.92 0.00	34.81 0.81 0.00	34.39 0.64 0.00	32.65 0.61 0.00	33.65 0.58 0.00	33.72 0.50 0.00	46.82 1.10 0.00	90.82 2.34 0.00	44.38 1.00 0.00	34.13 0.87 0.00	34.19 0.90 0.00	32.53 0.86 0.00	33.56 0.97 0.00	34.02 1.00 0.02	32.59 1.16 0.12	42.41 1.33 0.00	44.92 1.34 0.00	44.73 1.31 0.00	46.65 1.49 0.00	73.44 2.51 0.00	61.15 2.06 0.00	52.36 1.68 0.00	44.69 1.36 0.00	39.22 1.08 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	33.55 0.92 0.00	34.81 0.81 0.00	34.39 0.64 0.00	32.65 0.61 0.00	33.65 0.58 0.00	33.72 0.50 0.00	46.82 1.10 0.00	90.82 2.34 0.00	44.38 1.00 0.00	34.13 0.87 0.00	34.19 0.90 0.00	32.53 0.86 0.00	33.56 0.97 0.00	34.02 1.00 0.02	32.59 1.16 0.12	42.41 1.33 0.00	44.92 1.34 0.00	44.73 1.31 0.00	46.65 1.49 0.00	73.44 2.51 0.00	61.15 2.06 0.00	52.36 1.68 0.00	44.69 1.36 0.00	39.22 1.08 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	33.62 0.99 0.00	34.86 0.87 0.00	34.47 0.72 0.00	32.72 0.68 0.00	33.74 0.68 0.00	33.82 0.61 0.00	46.96 1.24 0.00	91.12 2.64 0.00	45.13 1.75 0.00	34.53 1.27 0.00	34.44 1.16 0.00	32.69 1.02 0.00	33.61 1.02 0.00	33.88 0.84 0.00	32.48 0.93 0.00	42.15 1.08 0.00	44.80 1.22 0.00	44.71 1.29 0.00	46.64 1.48 0.00	73.45 2.52 0.00	61.18 2.09 0.00	52.39 1.71 0.00	44.68 1.36 0.00	39.30 1.16 0.00
POLETTI___ 23519	33.66 1.03 0.00	34.88 0.89 0.00	34.45 0.70 0.00	32.70 0.66 0.00	33.71 0.64 0.00	33.75 0.53 0.00	46.93 1.21 0.00	91.02 2.54 0.00	44.54 1.15 0.00	34.34 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.88 1.30 0.00	34.75 1.35 -0.36	35.52 1.49 -2.48	42.73 1.65 0.00	45.20 1.62 0.00	45.03 1.60 0.00	46.93 1.77 0.00	73.86 2.94 0.00	61.46 2.37 0.00	52.60 1.92 0.00	44.90 1.58 0.00	39.38 1.25 0.00
POMONA___ESR 323819	33.36 0.74 0.00	34.60 0.61 0.00	34.21 0.46 0.00	32.49 0.45 0.00	33.50 0.43 0.00	33.56 0.35 0.00	46.58 0.86 0.00	90.36 1.88 0.00	44.13 0.75 0.00	33.91 0.65 0.00	33.89 0.60 0.00	32.26 0.58 0.00	33.27 0.68 0.00	33.78 0.74 0.00	32.48 0.93 0.00	42.15 1.08 0.00	44.60 1.02 0.00	44.45 1.02 0.00	46.37 1.21 0.00	73.01 2.09 0.00	60.81 1.72 0.00	52.08 1.39 0.00	44.46 1.13 0.00	38.97 0.83 0.00
PORT_JEFF_3 23555	33.60 0.97 0.00	34.90 0.91 0.00	34.33 0.58 0.00	32.39 0.34 0.00	33.46 0.40 0.00	33.53 0.32 0.00	46.74 1.02 0.00	90.95 2.47 0.00	44.14 0.76 0.00	34.27 1.02 0.00	34.33 1.04 0.00	32.45 0.77 0.00	33.34 0.77 0.02	33.88 0.82 -0.02	32.77 1.11 -0.11	42.76 1.69 0.00	45.06 1.48 0.00	44.53 1.10 0.00	46.56 1.40 0.00	73.66 2.73 0.00	61.63 2.54 0.00	52.56 1.88 0.00	44.89 1.57 0.00	39.21 1.07 0.00



PORT_JEFF_4 23616	33.60 0.97 0.00	34.90 0.91 0.00	34.33 0.58 0.00	32.39 0.34 0.00	33.46 0.40 0.00	33.53 0.32 0.00	46.74 1.02 0.00	90.95 2.47 0.00	44.14 0.76 0.00	34.27 1.02 0.00	34.33 1.04 0.00	32.45 0.77 0.00	33.34 0.77 0.02	33.88 0.82 -0.02	32.77 1.11 -0.11	42.76 1.69 0.00	45.06 1.48 0.00	44.53 1.10 0.00	46.56 1.40 0.00	73.66 2.73 0.00	61.63 2.54 0.00	52.56 1.88 0.00	44.89 1.57 0.00	39.21 1.07 0.00
PORT_JEFF_IC 23713	33.58 0.95 0.00	34.89 0.90 0.00	34.32 0.57 0.00	32.36 0.32 0.00	33.44 0.38 0.00	33.49 0.28 0.00	46.73 1.01 0.00	90.92 2.43 0.00	44.11 0.72 0.00	34.25 0.99 0.00	34.32 1.03 0.00	32.42 0.75 0.00	33.31 0.74 0.02	33.86 0.80 -0.02	32.74 1.08 -0.11	42.76 1.69 0.00	45.04 1.46 0.00	44.49 1.07 0.00	46.55 1.39 0.00	73.64 2.71 0.00	61.63 2.54 0.00	52.55 1.87 0.00	44.87 1.54 0.00	39.19 1.05 0.00
PPL_PILGRIM_ST_GT1 24216	34.02 1.39 0.00	35.24 1.25 0.00	34.70 0.95 0.00	32.81 0.77 0.00	33.82 0.76 0.00	33.93 0.71 0.00	47.32 1.60 0.00	92.04 3.56 0.00	44.80 1.41 0.00	34.67 1.41 0.00	34.73 1.45 0.00	32.86 1.19 0.00	33.87 1.28 0.00	34.40 1.34 -0.02	33.22 1.56 -0.11	43.16 2.09 0.00	45.62 2.04 0.00	45.10 1.68 0.00	47.15 1.99 0.00	74.26 3.33 0.00	62.24 3.15 0.00	53.17 2.49 0.00	45.42 2.10 0.00	39.68 1.54 0.00
PPL_PILGRIM_ST_GT2 24217	34.02 1.39 0.00	35.24 1.25 0.00	34.70 0.95 0.00	32.81 0.77 0.00	33.82 0.76 0.00	33.93 0.71 0.00	47.32 1.60 0.00	92.04 3.56 0.00	44.80 1.41 0.00	34.67 1.41 0.00	34.73 1.45 0.00	32.86 1.19 0.00	33.87 1.28 0.00	34.40 1.34 -0.02	33.22 1.56 -0.11	43.16 2.09 0.00	45.62 2.04 0.00	45.10 1.68 0.00	47.15 1.99 0.00	74.26 3.33 0.00	62.24 3.15 0.00	53.17 2.49 0.00	45.42 2.10 0.00	39.68 1.54 0.00
PPL_SHRM_GT3 24213	33.06 0.43 0.00	34.46 0.47 0.00	33.82 0.07 0.00	31.83 -0.22 0.00	33.01 -0.06 0.00	33.01 -0.20 0.00	46.03 0.31 0.00	89.55 1.07 0.00	43.12 -0.27 0.00	33.68 0.42 0.00	33.72 0.44 0.00	31.80 0.13 0.00	32.48 -0.09 0.02	33.04 -0.02 -0.02	31.99 0.33 -0.11	42.09 1.01 0.00	44.10 0.52 0.00	43.57 0.14 0.00	45.62 0.46 0.00	72.33 1.40 0.00	60.70 1.61 0.00	51.58 0.89 0.00	44.00 0.67 0.00	38.43 0.29 0.00
PPL_SHRM_GT4 24214	33.06 0.43 0.00	34.46 0.47 0.00	33.82 0.07 0.00	31.83 -0.22 0.00	33.01 -0.06 0.00	33.01 -0.20 0.00	46.03 0.31 0.00	89.55 1.07 0.00	43.12 -0.27 0.00	33.68 0.42 0.00	33.72 0.44 0.00	31.80 0.13 0.00	32.48 -0.09 0.02	33.04 -0.02 -0.02	31.99 0.33 -0.11	42.09 1.01 0.00	44.10 0.52 0.00	43.57 0.14 0.00	45.62 0.46 0.00	72.33 1.40 0.00	60.70 1.61 0.00	51.58 0.89 0.00	44.00 0.67 0.00	38.43 0.29 0.00
PROJECT___ORANGE 1 24174	31.86 -0.77 0.00	33.25 -0.74 0.00	33.03 -0.72 0.00	31.40 -0.64 0.00	32.41 -0.66 0.00	32.59 -0.62 0.00	44.75 -0.97 0.00	86.49 -1.99 0.00	42.35 -1.04 0.00	32.44 -0.82 0.00	32.47 -0.82 0.00	30.92 -0.75 0.00	31.81 -0.77 0.00	32.32 -0.72 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.61 -0.97 0.00	42.39 -1.04 0.00	44.06 -1.10 0.00	69.23 -1.69 0.00	57.51 -1.58 0.00	49.28 -1.40 0.00	42.15 -1.17 0.00	37.08 -1.06 0.00
PROJECT___ORANGE 2 24166	31.86 -0.77 0.00	33.25 -0.74 0.00	33.03 -0.72 0.00	31.40 -0.64 0.00	32.41 -0.66 0.00	32.59 -0.62 0.00	44.75 -0.97 0.00	86.49 -1.99 0.00	42.35 -1.04 0.00	32.44 -0.82 0.00	32.47 -0.82 0.00	30.92 -0.75 0.00	31.81 -0.77 0.00	32.32 -0.72 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.61 -0.97 0.00	42.39 -1.04 0.00	44.06 -1.10 0.00	69.23 -1.69 0.00	57.51 -1.58 0.00	49.28 -1.40 0.00	42.15 -1.17 0.00	37.08 -1.06 0.00
PUCKETT___SOLAR 323809	32.26 -0.36 0.00	33.70 -0.28 0.00	33.64 -0.11 0.00	32.15 0.10 0.00	33.17 0.10 0.00	33.42 0.21 0.00	46.17 0.45 0.00	89.47 0.99 0.00	43.71 0.32 0.00	33.26 0.00 0.00	32.94 -0.35 0.00	31.34 -0.33 0.00	32.23 -0.36 0.00	32.63 -0.41 0.00	31.42 -0.13 0.00	41.32 0.24 0.00	43.96 0.38 0.00	43.78 0.36 0.00	45.52 0.36 0.00	71.56 0.64 0.00	59.40 0.31 0.00	50.88 0.20 0.00	43.54 0.21 0.00	38.16 0.02 0.00
PYRITES___HYD 24023	34.05 1.42 0.00	35.48 1.49 0.00	35.38 1.63 0.00	33.52 1.47 0.00	34.58 1.52 0.00	34.90 1.69 0.00	48.03 2.31 0.00	93.35 4.87 0.00	45.71 2.32 0.00	34.69 1.43 0.00	34.63 1.35 0.00	32.91 1.24 0.00	33.84 1.25 0.00	34.37 1.33 0.00	32.52 0.97 0.00	42.38 1.31 0.00	45.30 1.72 0.00	45.30 1.88 0.00	47.28 2.12 0.00	74.55 3.63 0.00	62.27 3.18 0.00	53.40 2.72 0.00	45.60 2.27 0.00	40.14 2.01 0.00
QUAKERRD_115KV_BK1 80622	31.05 -1.58 0.00	32.61 -1.38 0.00	32.45 -1.30 0.00	30.84 -1.21 0.00	31.87 -1.20 0.00	32.03 -1.18 0.00	43.59 -2.13 0.00	83.76 -4.73 0.00	41.10 -2.29 0.00	31.48 -1.78 0.00	31.43 -1.85 0.00	29.98 -1.69 0.00	30.85 -1.74 0.00	31.40 -1.64 0.00	30.29 -1.26 0.00	39.39 -1.69 0.00	41.47 -2.11 0.00	41.20 -2.23 0.00	42.76 -2.40 0.00	67.07 -3.86 0.00	55.51 -3.58 0.00	47.59 -3.10 0.00	40.83 -2.50 0.00	36.00 -2.14 0.00
QUENSBRY_115KV_TB8 356137	33.66 1.03 0.00	34.99 1.00 0.00	34.65 0.90 0.00	32.94 0.90 0.00	34.08 1.01 0.00	34.35 1.14 0.00	47.69 1.97 0.00	91.97 3.48 0.00	44.82 1.44 0.00	33.98 0.72 0.00	33.78 0.49 0.00	32.17 0.50 0.00	33.15 0.57 0.00	33.45 0.41 0.00	32.44 0.89 0.00	42.51 1.44 0.00	45.59 2.01 0.00	45.47 2.04 0.00	47.41 2.25 0.00	74.51 3.58 0.00	62.27 3.18 0.00	53.40 2.72 0.00	45.44 2.12 0.00	39.91 1.77 0.00
RAMAPO___LBMP 323565	33.24 0.61 0.00	34.47 0.48 0.00	34.09 0.34 0.00	32.39 0.34 0.00	33.39 0.32 0.00	33.44 0.23 0.00	46.41 0.69 0.00	90.02 1.54 0.00	43.97 0.58 0.00	33.75 0.49 0.00	33.74 0.45 0.00	32.09 0.43 0.00	33.11 0.52 0.00	33.61 0.57 0.00	32.32 0.77 0.00	41.95 0.88 0.00	44.39 0.81 0.00	44.24 0.82 0.00	46.16 1.00 0.00	72.67 1.74 0.00	60.53 1.44 0.00	51.85 1.16 0.00	44.26 0.94 0.00	38.80 0.66 0.00
RANKINE____ 23646	31.72 -0.91 0.00	33.57 -0.43 0.00	33.47 -0.28 0.00	31.78 -0.26 0.00	32.86 -0.21 0.00	32.95 -0.26 0.00	44.23 -1.49 0.00	84.34 -4.14 0.00	41.62 -1.77 0.00	32.13 -1.13 0.00	31.98 -1.30 0.00	30.59 -1.08 0.00	31.38 -1.21 0.00	31.96 -1.09 0.00	30.99 -0.56 0.00	40.20 -0.87 0.00	42.08 -1.50 0.00	41.73 -1.69 0.00	43.18 -1.98 0.00	67.58 -3.35 0.00	55.76 -3.33 0.00	47.81 -2.87 0.00	41.28 -2.04 0.00	36.51 -1.63 0.00
RAVENSWOOD_GT2_1 24244	33.68 1.05 0.00	34.89 0.90 0.00	34.47 0.72 0.00	32.71 0.67 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.95 1.23 0.00	91.01 2.53 0.00	44.54 1.16 0.00	34.34 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.86 1.28 0.00	34.81 1.33 -0.44	36.04 1.47 -3.02	42.72 1.65 0.00	45.20 1.62 0.00	45.03 1.60 0.00	46.94 1.78 0.00	73.87 2.94 0.00	61.47 2.38 0.00	52.62 1.94 0.00	44.91 1.59 0.00	39.39 1.25 0.00



RAVENSWOOD_GT2_2 24245	33.68 1.05 0.00	34.89 0.90 0.00	34.47 0.72 0.00	32.71 0.67 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.95 1.23 0.00	91.01 2.53 0.00	44.54 1.16 0.00	34.34 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.86 1.28 0.00	34.81 1.33 -0.44	36.04 1.47 -3.02	42.72 1.65 0.00	45.20 1.62 0.00	45.03 1.60 0.00	46.94 1.78 0.00	73.87 2.94 0.00	61.47 2.38 0.00	52.62 1.94 0.00	44.91 1.59 0.00	39.39 1.25 0.00
RAVENSWOOD_GT2_3 24246	33.69 1.06 0.00	34.90 0.91 0.00	34.48 0.73 0.00	32.73 0.69 0.00	33.72 0.65 0.00	33.78 0.56 0.00	46.97 1.25 0.00	91.07 2.59 0.00	44.58 1.19 0.00	34.35 1.10 0.00	34.44 1.15 0.00	32.80 1.13 0.00	33.88 1.30 0.00	34.83 1.35 -0.44	36.06 1.49 -3.02	42.74 1.67 0.00	45.22 1.64 0.00	45.04 1.62 0.00	46.96 1.80 0.00	73.89 2.97 0.00	61.51 2.42 0.00	52.64 1.96 0.00	44.93 1.60 0.00	39.41 1.27 0.00
RAVENSWOOD_GT2_4 24247	33.69 1.06 0.00	34.90 0.91 0.00	34.48 0.73 0.00	32.73 0.69 0.00	33.72 0.65 0.00	33.78 0.56 0.00	46.97 1.25 0.00	91.07 2.59 0.00	44.58 1.19 0.00	34.35 1.10 0.00	34.44 1.15 0.00	32.80 1.13 0.00	33.88 1.30 0.00	34.83 1.35 -0.44	36.06 1.49 -3.02	42.74 1.67 0.00	45.22 1.64 0.00	45.04 1.62 0.00	46.96 1.80 0.00	73.89 2.97 0.00	61.51 2.42 0.00	52.64 1.96 0.00	44.93 1.60 0.00	39.41 1.27 0.00
RAVENSWOOD_GT3_1 24248	33.68 1.05 0.00	34.89 0.90 0.00	34.47 0.72 0.00	32.71 0.67 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.95 1.23 0.00	91.01 2.53 0.00	44.55 1.16 0.00	34.34 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.86 1.28 0.00	34.81 1.33 -0.44	36.04 1.47 -3.02	42.72 1.65 0.00	45.20 1.62 0.00	45.03 1.60 0.00	46.94 1.78 0.00	73.87 2.94 0.00	61.47 2.38 0.00	52.62 1.94 0.00	44.91 1.59 0.00	39.39 1.25 0.00
RAVENSWOOD_GT3_2 24249	33.68 1.05 0.00	34.89 0.90 0.00	34.47 0.72 0.00	32.71 0.67 0.00	33.72 0.65 0.00	33.76 0.55 0.00	46.95 1.23 0.00	91.01 2.53 0.00	44.55 1.16 0.00	34.34 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.86 1.28 0.00	34.81 1.33 -0.44	36.04 1.47 -3.02	42.72 1.65 0.00	45.20 1.62 0.00	45.03 1.60 0.00	46.94 1.78 0.00	73.87 2.94 0.00	61.47 2.38 0.00	52.62 1.94 0.00	44.91 1.59 0.00	39.39 1.25 0.00
RAVENSWOOD_GT3_3 24250	33.72 1.10 0.00	34.93 0.94 0.00	34.51 0.76 0.00	32.76 0.71 0.00	33.75 0.69 0.00	33.81 0.59 0.00	47.01 1.29 0.00	91.16 2.68 0.00	44.62 1.23 0.00	34.39 1.13 0.00	34.47 1.18 0.00	32.84 1.17 0.00	33.92 1.34 0.00	34.87 1.39 -0.44	36.09 1.52 -3.02	42.79 1.72 0.00	45.27 1.69 0.00	45.10 1.67 0.00	47.01 1.85 0.00	73.97 3.04 0.00	61.57 2.48 0.00	52.69 2.01 0.00	44.97 1.65 0.00	39.44 1.31 0.00
RAVENSWOOD_GT3_4 24251	33.72 1.10 0.00	34.93 0.94 0.00	34.51 0.76 0.00	32.76 0.71 0.00	33.75 0.69 0.00	33.81 0.59 0.00	47.01 1.29 0.00	91.16 2.68 0.00	44.62 1.23 0.00	34.39 1.13 0.00	34.47 1.18 0.00	32.84 1.17 0.00	33.92 1.34 0.00	34.87 1.39 -0.44	36.09 1.52 -3.02	42.79 1.72 0.00	45.27 1.69 0.00	45.10 1.67 0.00	47.01 1.85 0.00	73.97 3.04 0.00	61.57 2.48 0.00	52.69 2.01 0.00	44.97 1.65 0.00	39.44 1.31 0.00
RAVENSWOOD_GT_1 23729	38.85 1.18 -5.04	39.48 1.01 -4.48	39.17 0.84 -4.58	37.93 0.79 -5.10	38.69 0.74 -4.88	38.91 0.67 -5.03	49.54 1.40 -2.41	92.42 2.79 -1.14	47.83 1.34 -3.11	39.89 1.26 -5.37	39.82 1.32 -5.21	38.98 1.30 -6.01	39.75 1.47 -5.70	40.14 1.52 -5.59	40.74 1.64 -7.56	46.16 1.83 -3.26	48.13 1.81 -2.74	47.98 1.78 -2.78	50.42 1.98 -3.28	74.11 3.17 -0.02	63.13 2.62 -1.42	54.31 2.13 -1.50	47.90 1.75 -2.83	43.50 1.42 -3.95
RAVENSWOOD_GT_10 24258	34.25 1.04 -0.58	35.40 0.89 -0.51	34.99 0.71 -0.53	33.30 0.67 -0.59	34.27 0.65 -0.56	34.34 0.55 -0.58	47.23 1.23 -0.28	91.14 2.53 -0.13	44.90 1.15 -0.36	34.96 1.08 -0.62	35.02 1.13 -0.60	33.47 1.11 -0.70	34.51 1.27 -0.65	35.40 1.33 -1.03	36.55 1.46 -3.54	43.09 1.64 -0.38	45.52 1.62 -0.32	45.34 1.60 -0.32	47.31 1.77 -0.38	73.86 2.93 0.00	61.63 2.38 -0.16	52.78 1.92 -0.17	45.23 1.58 -0.33	39.84 1.25 -0.45
RAVENSWOOD_GT_11 24259	34.25 1.04 -0.58	35.40 0.89 -0.51	34.99 0.71 -0.53	33.30 0.67 -0.59	34.27 0.65 -0.56	34.34 0.55 -0.58	47.23 1.23 -0.28	91.14 2.53 -0.13	44.90 1.15 -0.36	34.96 1.08 -0.62	35.02 1.13 -0.60	33.47 1.11 -0.70	34.51 1.27 -0.65	35.40 1.33 -1.03	36.55 1.46 -3.54	43.09 1.64 -0.38	45.52 1.62 -0.32	45.34 1.60 -0.32	47.31 1.77 -0.38	73.86 2.93 0.00	61.63 2.38 -0.16	52.78 1.92 -0.17	45.23 1.58 -0.33	39.84 1.25 -0.45
RAVENSWOOD_GT_4 24252	37.49 1.02 -3.84	38.27 0.87 -3.40	37.93 0.69 -3.49	36.58 0.65 -3.88	37.41 0.63 -3.71	37.58 0.53 -3.83	48.76 1.20 -1.84	91.86 2.51 -0.87	46.89 1.14 -2.37	38.41 1.06 -4.09	38.35 1.10 -3.97	37.33 1.09 -4.58	38.17 1.25 -4.34	38.69 1.30 -4.36	39.46 1.44 -6.47	45.18 1.62 -2.48	47.26 1.60 -2.08	47.11 1.57 -2.12	49.40 1.75 -2.50	73.82 2.88 -0.01	62.50 2.33 -1.08	53.72 1.90 -1.14	47.04 1.57 -2.15	42.36 1.22 -3.00
RAVENSWOOD_GT_5 24254	37.49 1.02 -3.84	38.27 0.87 -3.40	37.93 0.69 -3.49	36.58 0.65 -3.88	37.41 0.63 -3.71	37.58 0.53 -3.83	48.76 1.20 -1.84	91.86 2.51 -0.87	46.89 1.14 -2.37	38.41 1.06 -4.09	38.35 1.10 -3.97	37.33 1.09 -4.58	38.17 1.25 -4.34	38.69 1.30 -4.36	39.46 1.44 -6.47	45.18 1.62 -2.48	47.26 1.60 -2.08	47.11 1.57 -2.12	49.40 1.75 -2.50	73.82 2.88 -0.01	62.50 2.33 -1.08	53.72 1.90 -1.14	47.04 1.57 -2.15	42.36 1.22 -3.00
RAVENSWOOD_GT_6 24253	37.49 1.02 -3.84	38.27 0.87 -3.40	37.93 0.69 -3.49	36.58 0.65 -3.88	37.41 0.63 -3.71	37.58 0.53 -3.83	48.76 1.20 -1.84	91.86 2.51 -0.87	46.89 1.14 -2.37	38.41 1.06 -4.09	38.35 1.10 -3.97	37.33 1.09 -4.58	38.17 1.25 -4.34	38.69 1.30 -4.36	39.46 1.44 -6.47	45.18 1.62 -2.48	47.26 1.60 -2.08	47.11 1.57 -2.12	49.40 1.75 -2.50	73.82 2.88 -0.01	62.50 2.33 -1.08	53.72 1.90 -1.14	47.04 1.57 -2.15	42.36 1.22 -3.00
RAVENSWOOD_GT_7 24255	37.49 1.02 -3.84	38.27 0.87 -3.40	37.93 0.69 -3.49	36.58 0.65 -3.88	37.41 0.63 -3.71	37.58 0.53 -3.83	48.76 1.20 -1.84	91.86 2.51 -0.87	46.89 1.14 -2.37	38.41 1.06 -4.09	38.35 1.10 -3.97	37.33 1.09 -4.58	38.17 1.25 -4.34	38.69 1.30 -4.36	39.46 1.44 -6.47	45.18 1.62 -2.48	47.26 1.60 -2.08	47.11 1.57 -2.12	49.40 1.75 -2.50	73.82 2.88 -0.01	62.50 2.33 -1.08	53.72 1.90 -1.14	47.04 1.57 -2.15	42.36 1.22 -3.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	34.25 1.04 -0.58	35.40 0.89 -0.51	34.99 0.71 -0.53	33.30 0.67 -0.59	34.27 0.65 -0.56	34.34 0.55 -0.58	47.23 1.23 -0.28	91.14 2.53 -0.13	44.90 1.15 -0.36	34.96 1.08 -0.62	35.02 1.13 -0.60	33.47 1.11 -0.70	34.51 1.27 -0.65	35.40 1.33 -1.03	36.55 1.46 -3.54	43.09 1.64 -0.38	45.52 1.62 -0.32	45.34 1.60 -0.32	47.31 1.77 -0.38	73.86 2.93 0.00	61.63 2.38 -0.16	52.78 1.92 -0.17	45.23 1.58 -0.33	39.84 1.25 -0.45



RAVENSWOOD_GT_9 24257	34.25 1.04 -0.58	35.40 0.89 -0.51	34.99 0.71 -0.53	33.30 0.67 -0.59	34.27 0.65 -0.56	34.34 0.55 -0.58	47.23 1.23 -0.28	91.14 2.53 -0.13	44.90 1.15 -0.36	34.96 1.08 -0.62	35.02 1.13 -0.60	33.47 1.11 -0.70	34.51 1.27 -0.65	35.40 1.33 -1.03	36.55 1.46 -3.54	43.09 1.64 -0.38	45.52 1.62 -0.32	45.34 1.60 -0.32	47.31 1.77 -0.38	73.86 2.93 0.00	61.63 2.38 -0.16	52.78 1.92 -0.17	45.23 1.58 -0.33	39.84 1.25 -0.45
RAVENSWOOD___1 23533	28.83 1.17 4.96	30.59 1.01 4.41	30.06 0.82 4.51	27.79 0.76 5.02	28.98 0.71 4.80	28.90 0.65 4.96	44.71 1.37 2.38	90.08 2.72 1.13	41.64 1.31 3.06	29.20 1.24 5.29	29.98 1.30 4.61	29.12 1.28 3.83	29.87 1.43 4.15	30.10 1.49 4.43	31.72 1.61 1.45	39.64 1.78 3.21	42.64 1.76 2.70	42.42 1.73 2.74	43.87 1.94 3.23	74.05 3.14 0.02	60.28 2.59 1.40	51.31 2.10 1.47	42.28 1.73 2.78	35.64 1.39 3.88
RAVENSWOOD___2 23534	28.83 1.17 4.96	30.59 1.01 4.41	30.06 0.82 4.51	27.79 0.76 5.02	28.98 0.71 4.80	28.90 0.65 4.96	44.71 1.37 2.38	90.08 2.72 1.13	41.64 1.31 3.06	29.20 1.24 5.29	29.98 1.30 4.61	29.12 1.28 3.83	29.87 1.43 4.15	30.10 1.49 4.43	31.72 1.61 1.45	39.64 1.78 3.21	42.64 1.76 2.70	42.42 1.73 2.74	43.87 1.94 3.23	74.05 3.14 0.02	60.28 2.59 1.40	51.31 2.10 1.47	42.28 1.73 2.78	35.64 1.39 3.88
RAVENSWOOD___3 23535	33.68 1.05 0.00	34.89 0.90 0.00	34.47 0.72 0.00	32.71 0.67 0.00	33.72 0.65 0.00	33.77 0.56 0.00	46.95 1.23 0.00	91.01 2.53 0.00	44.54 1.16 0.00	34.35 1.09 0.00	34.42 1.13 0.00	32.79 1.12 0.00	33.86 1.28 0.00	34.81 1.33 -0.44	36.05 1.48 -3.02	42.72 1.65 0.00	45.21 1.63 0.00	45.02 1.60 0.00	46.94 1.78 0.00	73.87 2.95 0.00	61.47 2.38 0.00	52.61 1.93 0.00	44.92 1.59 0.00	39.38 1.25 0.00
RAVENSWOOD___4 23820	28.83 1.17 4.96	30.59 1.01 4.41	30.06 0.82 4.51	27.79 0.76 5.02	28.98 0.71 4.80	28.90 0.65 4.96	44.71 1.37 2.38	90.08 2.72 1.13	41.64 1.31 3.06	29.20 1.24 5.29	29.98 1.30 4.61	29.12 1.28 3.83	29.87 1.43 4.15	30.10 1.49 4.43	31.72 1.61 1.45	39.64 1.78 3.21	42.64 1.76 2.70	42.42 1.73 2.74	43.87 1.94 3.23	74.05 3.14 0.02	60.28 2.59 1.40	51.31 2.10 1.47	42.28 1.73 2.78	35.64 1.39 3.88
RCPI_TRUST___DRP 24196	33.63 1.00 0.00	34.84 0.85 0.00	34.41 0.66 0.00	32.67 0.62 0.00	33.66 0.60 0.00	33.72 0.50 0.00	46.91 1.19 0.00	91.00 2.52 0.00	44.54 1.15 0.00	34.33 1.07 0.00	34.42 1.14 0.00	32.79 1.12 0.00	33.87 1.29 0.00	34.67 1.36 -0.27	34.92 1.49 -1.88	42.74 1.67 0.00	45.22 1.64 0.00	45.03 1.61 0.00	46.92 1.76 0.00	73.82 2.90 0.00	61.41 2.32 0.00	52.55 1.87 0.00	44.86 1.54 0.00	39.34 1.20 0.00
RED___ROCHESTER 323720	31.82 -0.81 0.00	33.47 -0.51 0.00	33.31 -0.44 0.00	31.64 -0.40 0.00	32.71 -0.36 0.00	32.87 -0.34 0.00	44.64 -1.08 0.00	85.73 -2.75 0.00	42.03 -1.36 0.00	32.20 -1.06 0.00	32.12 -1.17 0.00	30.66 -1.01 0.00	31.58 -1.00 0.00	32.15 -0.89 0.00	31.05 -0.49 0.00	40.39 -0.68 0.00	42.49 -1.09 0.00	42.25 -1.18 0.00	43.80 -1.36 0.00	68.76 -2.17 0.00	56.85 -2.24 0.00	48.70 -1.98 0.00	41.82 -1.51 0.00	36.88 -1.26 0.00
REGAN___SOLAR 323812	34.34 1.71 0.00	35.81 1.82 0.00	35.59 1.85 0.00	33.81 1.77 0.00	34.89 1.83 0.00	35.16 1.95 0.00	48.64 2.92 0.00	94.29 5.81 0.00	45.30 1.92 0.00	33.64 0.38 0.00	33.32 0.04 0.00	31.80 0.13 0.00	32.81 0.23 0.00	33.36 0.32 0.00	32.18 0.63 0.00	42.29 1.22 0.00	45.47 1.89 0.00	46.08 2.66 0.00	48.16 3.00 0.00	75.79 4.86 0.00	63.05 3.96 0.00	53.89 3.20 0.00	45.87 2.55 0.00	40.27 2.13 0.00
RENSSELAER___COGEN 23796	33.42 0.79 0.00	34.75 0.76 0.00	34.37 0.62 0.00	32.65 0.61 0.00	33.75 0.68 0.00	33.83 0.62 0.00	46.72 1.00 0.00	90.25 1.77 0.00	44.23 0.85 0.00	33.84 0.59 0.00	33.90 0.61 0.00	32.16 0.49 0.00	33.02 0.44 0.00	33.34 0.30 0.00	31.92 0.37 0.00	41.60 0.53 0.00	44.27 0.69 0.00	44.17 0.75 0.00	45.97 0.81 0.00	72.18 1.26 0.00	60.20 1.11 0.00	51.66 0.97 0.00	44.14 0.81 0.00	38.93 0.80 0.00
REPUBLIC_115KV_BARTNBRK 55605	34.96 2.33 0.00	36.23 2.24 0.00	35.80 2.06 0.00	34.10 2.06 0.00	35.34 2.27 0.00	35.71 2.50 0.00	49.96 4.24 0.00	95.98 7.50 0.00	46.64 3.25 0.00	35.08 1.82 0.00	34.80 1.52 0.00	33.21 1.54 0.00	34.16 1.58 0.00	34.35 1.31 0.00	33.71 2.16 0.00	44.50 3.42 0.00	47.94 4.36 0.00	47.76 4.33 0.00	49.91 4.75 0.00	78.41 7.49 0.00	65.83 6.74 0.00	56.30 5.62 0.00	47.88 4.55 0.00	41.71 3.57 0.00
REVERE_CPFR_DRP 24186	33.49 0.86 0.00	34.91 0.91 0.00	34.61 0.87 0.00	32.90 0.85 0.00	33.97 0.90 0.00	34.37 1.16 0.00	47.66 1.94 0.00	92.39 3.91 0.00	45.07 1.68 0.00	34.20 0.94 0.00	34.04 0.75 0.00	32.34 0.67 0.00	33.28 0.69 0.00	33.88 0.84 0.00	32.56 1.01 0.00	42.51 1.44 0.00	45.27 1.69 0.00	45.29 1.86 0.00	47.12 1.96 0.00	74.09 3.16 0.00	61.65 2.56 0.00	52.77 2.09 0.00	44.95 1.63 0.00	39.41 1.28 0.00
REYNOLDS_115KV_TB3 80639	33.38 0.75 0.00	34.71 0.72 0.00	34.31 0.56 0.00	32.60 0.56 0.00	33.71 0.64 0.00	33.78 0.57 0.00	46.61 0.89 0.00	89.96 1.48 0.00	44.10 0.71 0.00	33.75 0.49 0.00	33.84 0.55 0.00	32.11 0.44 0.00	33.00 0.42 0.00	33.33 0.29 0.00	31.95 0.40 0.00	41.64 0.57 0.00	44.31 0.73 0.00	44.23 0.80 0.00	46.02 0.86 0.00	72.23 1.30 0.00	60.28 1.19 0.00	51.76 1.08 0.00	44.22 0.89 0.00	39.04 0.90 0.00
RIVERBAY____ 323610	33.73 1.10 0.00	34.96 0.97 0.00	34.83 1.08 0.00	33.03 0.98 0.00	34.00 0.93 0.00	34.10 0.89 0.00	47.53 1.81 0.00	91.15 2.68 0.00	44.82 1.43 0.00	34.54 1.28 0.00	34.47 1.18 0.00	32.82 1.16 0.00	33.88 1.29 0.00	34.73 1.32 -0.36	35.47 1.44 -2.48	42.63 1.56 0.00	45.15 1.57 0.00	45.04 1.62 0.00	46.99 1.83 0.00	73.93 3.00 0.00	61.62 2.53 0.00	52.73 2.05 0.00	45.02 1.69 0.00	39.52 1.38 0.00
RIVERSIDE_115KV_TB3 55908	33.44 0.82 0.00	34.78 0.79 0.00	34.39 0.64 0.00	32.68 0.63 0.00	33.78 0.71 0.00	33.86 0.65 0.00	46.74 1.02 0.00	90.28 1.80 0.00	44.24 0.85 0.00	33.86 0.60 0.00	33.93 0.64 0.00	32.19 0.52 0.00	33.09 0.51 0.00	33.42 0.37 0.00	32.02 0.47 0.00	41.73 0.65 0.00	44.41 0.83 0.00	44.32 0.90 0.00	46.13 0.98 0.00	72.41 1.48 0.00	60.39 1.30 0.00	51.85 1.17 0.00	44.29 0.96 0.00	39.08 0.94 0.00
ROARING___BROOK_WT_PWR 323790	32.60 -0.03 0.00	33.99 0.00 0.00	33.85 0.10 0.00	31.99 -0.05 0.00	33.02 -0.05 0.00	33.28 0.07 0.00	45.78 0.05 0.00	88.82 0.33 0.00	43.72 0.34 0.00	33.60 0.34 0.00	33.63 0.34 0.00	31.98 0.32 0.00	32.92 0.33 0.00	33.37 0.32 0.00	31.73 0.18 0.00	41.32 0.25 0.00	43.91 0.33 0.00	43.75 0.33 0.00	45.40 0.24 0.00	71.28 0.35 0.00	59.53 0.44 0.00	50.95 0.27 0.00	43.36 0.04 0.00	38.11 -0.03 0.00



ROCHESRG_115KV_T4 355643	31.48 -1.15 0.00	33.13 -0.86 0.00	32.98 -0.77 0.00	31.34 -0.71 0.00	32.37 -0.69 0.00	32.52 -0.69 0.00	44.10 -1.62 0.00	84.64 -3.84 0.00	41.55 -1.84 0.00	31.88 -1.39 0.00	31.81 -1.48 0.00	30.36 -1.31 0.00	31.23 -1.35 0.00	31.79 -1.25 0.00	30.70 -0.85 0.00	39.91 -1.16 0.00	41.96 -1.62 0.00	41.69 -1.73 0.00	43.22 -1.94 0.00	67.79 -3.14 0.00	56.08 -3.01 0.00	48.06 -2.62 0.00	41.31 -2.02 0.00	36.45 -1.69 0.00
ROCHESTER_9_IC 23652	31.66 -0.97 0.00	33.31 -0.68 0.00	33.16 -0.59 0.00	31.50 -0.55 0.00	32.56 -0.51 0.00	32.71 -0.50 0.00	44.39 -1.33 0.00	85.22 -3.26 0.00	41.82 -1.57 0.00	32.05 -1.20 0.00	31.98 -1.31 0.00	30.53 -1.14 0.00	31.42 -1.17 0.00	31.98 -1.06 0.00	30.89 -0.66 0.00	40.17 -0.90 0.00	42.25 -1.33 0.00	41.97 -1.46 0.00	43.52 -1.64 0.00	68.30 -2.63 0.00	56.47 -2.62 0.00	48.40 -2.29 0.00	41.57 -1.76 0.00	36.67 -1.47 0.00
ROCKVIEW_13_KV_LD 356306	33.68 1.05 0.00	34.90 0.91 0.00	34.48 0.73 0.00	32.73 0.69 0.00	33.74 0.67 0.00	33.79 0.58 0.00	46.97 1.25 0.00	91.10 2.62 0.00	44.55 1.17 0.00	34.30 1.04 0.00	34.35 1.07 0.00	32.69 1.02 0.00	33.74 1.16 0.00	34.24 1.20 0.00	32.90 1.35 0.00	42.63 1.55 0.00	45.12 1.54 0.00	44.95 1.53 0.00	46.87 1.72 0.00	73.80 2.87 0.00	61.45 2.36 0.00	52.61 1.92 0.00	44.89 1.57 0.00	39.38 1.24 0.00
ROME____115KV_TB2 80656	33.49 0.86 0.00	34.91 0.91 0.00	34.61 0.87 0.00	32.90 0.85 0.00	33.97 0.90 0.00	34.37 1.16 0.00	47.66 1.94 0.00	92.39 3.91 0.00	45.07 1.68 0.00	34.20 0.94 0.00	34.04 0.75 0.00	32.34 0.67 0.00	33.28 0.69 0.00	33.88 0.84 0.00	32.56 1.01 0.00	42.51 1.44 0.00	45.27 1.69 0.00	45.29 1.86 0.00	47.12 1.96 0.00	74.09 3.16 0.00	61.65 2.56 0.00	52.77 2.09 0.00	44.95 1.63 0.00	39.41 1.28 0.00
ROSETON___1 23587	33.33 0.70 0.00	34.57 0.58 0.00	34.18 0.43 0.00	32.46 0.42 0.00	33.47 0.40 0.00	33.53 0.31 0.00	46.50 0.78 0.00	90.10 1.62 0.00	44.07 0.68 0.00	33.84 0.58 0.00	33.88 0.59 0.00	32.23 0.56 0.00	33.22 0.64 0.00	33.68 0.64 0.00	32.36 0.81 0.00	41.98 0.91 0.00	44.51 0.93 0.00	44.36 0.93 0.00	46.24 1.09 0.00	72.79 1.86 0.00	60.62 1.53 0.00	51.93 1.25 0.00	44.35 1.02 0.00	38.95 0.81 0.00
ROSETON___2 23588	33.33 0.70 0.00	34.57 0.58 0.00	34.18 0.43 0.00	32.46 0.42 0.00	33.47 0.40 0.00	33.53 0.31 0.00	46.50 0.78 0.00	90.10 1.62 0.00	44.07 0.68 0.00	33.84 0.58 0.00	33.88 0.59 0.00	32.23 0.56 0.00	33.22 0.64 0.00	33.68 0.64 0.00	32.36 0.81 0.00	41.98 0.91 0.00	44.51 0.93 0.00	44.36 0.93 0.00	46.24 1.09 0.00	72.79 1.86 0.00	60.62 1.53 0.00	51.93 1.25 0.00	44.35 1.02 0.00	38.95 0.81 0.00
ROTRRDAM_115KV_TB3 80664	33.22 0.59 0.00	34.55 0.56 0.00	34.23 0.48 0.00	32.52 0.47 0.00	33.58 0.51 0.00	33.70 0.49 0.00	46.56 0.84 0.00	90.03 1.54 0.00	43.98 0.59 0.00	33.55 0.29 0.00	33.55 0.26 0.00	31.92 0.25 0.00	32.86 0.28 0.00	33.30 0.26 0.00	31.97 0.41 0.00	41.64 0.57 0.00	44.32 0.73 0.00	44.28 0.85 0.00	46.11 0.95 0.00	72.46 1.53 0.00	60.39 1.30 0.00	51.78 1.10 0.00	44.22 0.89 0.00	38.92 0.78 0.00
RUSSELL___1 23602	31.82 -0.81 0.00	33.47 -0.51 0.00	33.31 -0.44 0.00	31.64 -0.40 0.00	32.71 -0.36 0.00	32.88 -0.33 0.00	44.64 -1.08 0.00	85.73 -2.75 0.00	42.03 -1.36 0.00	32.21 -1.05 0.00	32.12 -1.17 0.00	30.66 -1.01 0.00	31.57 -1.01 0.00	32.14 -0.90 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.49 -1.09 0.00	42.23 -1.20 0.00	43.80 -1.36 0.00	68.76 -2.17 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.82 -1.51 0.00	36.87 -1.27 0.00
RUSSELL___2 23532	31.82 -0.81 0.00	33.47 -0.51 0.00	33.31 -0.44 0.00	31.64 -0.40 0.00	32.71 -0.36 0.00	32.88 -0.33 0.00	44.64 -1.08 0.00	85.73 -2.75 0.00	42.03 -1.36 0.00	32.21 -1.05 0.00	32.12 -1.17 0.00	30.66 -1.01 0.00	31.57 -1.01 0.00	32.14 -0.90 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.49 -1.09 0.00	42.23 -1.20 0.00	43.80 -1.36 0.00	68.76 -2.17 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.82 -1.51 0.00	36.87 -1.27 0.00
RUSSELL___3 23549	31.82 -0.81 0.00	33.47 -0.51 0.00	33.31 -0.44 0.00	31.64 -0.40 0.00	32.71 -0.36 0.00	32.88 -0.33 0.00	44.64 -1.08 0.00	85.73 -2.75 0.00	42.03 -1.36 0.00	32.21 -1.05 0.00	32.12 -1.17 0.00	30.66 -1.01 0.00	31.57 -1.01 0.00	32.14 -0.90 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.49 -1.09 0.00	42.23 -1.20 0.00	43.80 -1.36 0.00	68.76 -2.17 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.82 -1.51 0.00	36.87 -1.27 0.00
RUSSELL___4 23556	31.82 -0.81 0.00	33.47 -0.51 0.00	33.31 -0.44 0.00	31.64 -0.40 0.00	32.71 -0.36 0.00	32.88 -0.33 0.00	44.64 -1.08 0.00	85.73 -2.75 0.00	42.03 -1.36 0.00	32.21 -1.05 0.00	32.12 -1.17 0.00	30.66 -1.01 0.00	31.57 -1.01 0.00	32.14 -0.90 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.49 -1.09 0.00	42.23 -1.20 0.00	43.80 -1.36 0.00	68.76 -2.17 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.82 -1.51 0.00	36.87 -1.27 0.00
RUSSELL___STATION 23914	31.82 -0.81 0.00	33.47 -0.51 0.00	33.31 -0.44 0.00	31.64 -0.40 0.00	32.71 -0.36 0.00	32.88 -0.33 0.00	44.64 -1.08 0.00	85.73 -2.75 0.00	42.03 -1.36 0.00	32.21 -1.05 0.00	32.12 -1.17 0.00	30.66 -1.01 0.00	31.57 -1.01 0.00	32.14 -0.90 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.49 -1.09 0.00	42.23 -1.20 0.00	43.80 -1.36 0.00	68.76 -2.17 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.82 -1.51 0.00	36.87 -1.27 0.00
S SALMON___HYD 24043	31.94 -0.68 0.00	33.42 -0.57 0.00	33.09 -0.65 0.00	31.43 -0.61 0.00	32.44 -0.62 0.00	32.84 -0.37 0.00	45.16 -0.56 0.00	87.49 -0.98 0.00	42.73 -0.66 0.00	32.67 -0.59 0.00	32.68 -0.61 0.00	31.03 -0.64 0.00	31.83 -0.75 0.00	32.44 -0.60 0.00	31.21 -0.34 0.00	40.66 -0.41 0.00	42.91 -0.67 0.00	42.87 -0.56 0.00	44.53 -0.63 0.00	70.07 -0.86 0.00	58.38 -0.71 0.00	50.07 -0.61 0.00	42.79 -0.53 0.00	37.54 -0.60 0.00
S.PERRY___115KV_TB1 80734	32.29 -0.34 0.00	34.08 0.09 0.00	33.96 0.21 0.00	32.31 0.27 0.00	33.54 0.47 0.00	33.83 0.62 0.00	46.09 0.37 0.00	88.67 0.19 0.00	43.34 -0.04 0.00	32.54 -0.72 0.00	32.16 -1.13 0.00	30.71 -0.96 0.00	31.61 -0.97 0.00	32.14 -0.90 0.00	31.15 -0.40 0.00	41.22 0.15 0.00	43.47 -0.11 0.00	43.27 -0.16 0.00	45.05 -0.11 0.00	70.87 -0.06 0.00	58.40 -0.69 0.00	49.99 -0.70 0.00	42.77 -0.55 0.00	37.52 -0.61 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	31.27 -1.36 0.00	33.13 -0.87 0.00	33.03 -0.72 0.00	31.36 -0.69 0.00	32.42 -0.65 0.00	32.51 -0.71 0.00	43.51 -2.21 0.00	82.91 -5.57 0.00	40.91 -2.47 0.00	31.59 -1.67 0.00	31.49 -1.79 0.00	30.12 -1.55 0.00	30.88 -1.70 0.00	31.46 -1.58 0.00	30.48 -1.07 0.00	39.55 -1.52 0.00	41.39 -2.19 0.00	41.05 -2.37 0.00	42.47 -2.69 0.00	66.42 -4.51 0.00	54.80 -4.29 0.00	47.03 -3.65 0.00	40.64 -2.69 0.00	36.00 -2.14 0.00



SAWYER___23_KV_LOAD 55526	31.27 -1.36 0.00	33.13 -0.87 0.00	33.03 -0.72 0.00	31.36 -0.69 0.00	32.42 -0.65 0.00	32.51 -0.71 0.00	43.51 -2.21 0.00	82.91 -5.57 0.00	40.91 -2.47 0.00	31.59 -1.67 0.00	31.49 -1.79 0.00	30.12 -1.55 0.00	30.88 -1.70 0.00	31.46 -1.58 0.00	30.48 -1.07 0.00	39.55 -1.52 0.00	41.39 -2.19 0.00	41.05 -2.37 0.00	42.47 -2.69 0.00	66.42 -4.51 0.00	54.80 -4.29 0.00	47.03 -3.65 0.00	40.64 -2.69 0.00	36.00 -2.14 0.00
SELKIRK___I 23801	33.46 0.83 0.00	34.82 0.83 0.00	34.47 0.73 0.00	32.75 0.70 0.00	33.83 0.76 0.00	33.95 0.73 0.00	46.85 1.13 0.00	90.45 1.97 0.00	44.27 0.88 0.00	33.76 0.50 0.00	33.77 0.48 0.00	32.02 0.35 0.00	32.88 0.30 0.00	33.12 0.08 0.00	31.49 -0.06 0.00	41.37 0.29 0.00	43.72 0.14 0.00	43.24 -0.18 0.00	44.97 -0.19 0.00	70.61 -0.31 0.00	58.86 -0.22 0.00	50.53 -0.15 0.00	43.18 -0.15 0.00	38.09 -0.05 0.00
SELKIRK___II 23799	33.31 0.68 0.00	34.64 0.65 0.00	34.28 0.52 0.00	32.56 0.51 0.00	33.63 0.57 0.00	33.73 0.52 0.00	46.57 0.85 0.00	90.02 1.54 0.00	44.12 0.73 0.00	33.78 0.52 0.00	33.80 0.52 0.00	32.03 0.37 0.00	32.83 0.25 0.00	33.08 0.04 0.00	31.59 0.04 0.00	41.23 0.15 0.00	43.82 0.24 0.00	43.58 0.15 0.00	45.35 0.19 0.00	71.23 0.30 0.00	59.38 0.29 0.00	50.96 0.28 0.00	43.57 0.24 0.00	38.45 0.32 0.00
SENECA OSWGO___HYD 24041	31.55 -1.08 0.00	32.93 -1.06 0.00	32.71 -1.04 0.00	31.09 -0.96 0.00	32.08 -0.98 0.00	32.26 -0.95 0.00	44.31 -1.42 0.00	85.63 -2.86 0.00	41.91 -1.48 0.00	32.07 -1.19 0.00	32.12 -1.17 0.00	30.61 -1.06 0.00	31.50 -1.09 0.00	31.98 -1.05 0.00	30.72 -0.83 0.00	39.96 -1.11 0.00	42.14 -1.44 0.00	41.96 -1.47 0.00	43.62 -1.54 0.00	68.54 -2.38 0.00	56.95 -2.14 0.00	48.82 -1.86 0.00	41.75 -1.58 0.00	36.73 -1.41 0.00
SENECA___115KV_TB3 355854	31.76 -0.86 0.00	33.62 -0.37 0.00	33.52 -0.23 0.00	31.83 -0.21 0.00	32.91 -0.16 0.00	33.01 -0.20 0.00	44.30 -1.42 0.00	84.51 -3.98 0.00	41.70 -1.69 0.00	32.19 -1.07 0.00	32.05 -1.24 0.00	30.65 -1.02 0.00	31.44 -1.15 0.00	32.02 -1.02 0.00	31.05 -0.50 0.00	40.28 -0.79 0.00	42.16 -1.42 0.00	41.82 -1.61 0.00	43.26 -1.90 0.00	67.71 -3.22 0.00	55.87 -3.22 0.00	47.91 -2.77 0.00	41.36 -1.97 0.00	36.58 -1.56 0.00
SENECA___ENERGY 23797	31.81 -0.81 0.00	33.28 -0.71 0.00	33.08 -0.67 0.00	31.47 -0.57 0.00	32.53 -0.53 0.00	32.76 -0.46 0.00	44.97 -0.75 0.00	86.66 -1.82 0.00	42.44 -0.95 0.00	32.38 -0.88 0.00	32.22 -1.06 0.00	30.65 -1.02 0.00	31.52 -1.07 0.00	32.07 -0.97 0.00	30.88 -0.67 0.00	40.38 -0.69 0.00	42.73 -0.85 0.00	42.52 -0.91 0.00	44.19 -0.97 0.00	69.38 -1.55 0.00	57.47 -1.62 0.00	49.29 -1.40 0.00	42.13 -1.19 0.00	37.06 -1.08 0.00
SHOEMAKER___GT 23640	33.21 0.58 0.00	34.48 0.49 0.00	34.12 0.37 0.00	32.40 0.36 0.00	33.42 0.35 0.00	33.50 0.29 0.00	46.41 0.70 0.00	89.93 1.45 0.00	43.95 0.57 0.00	33.69 0.43 0.00	33.64 0.36 0.00	32.00 0.33 0.00	32.96 0.37 0.00	33.43 0.39 0.00	32.21 0.66 0.00	41.86 0.79 0.00	44.37 0.79 0.00	44.21 0.78 0.00	46.09 0.93 0.00	72.54 1.61 0.00	60.43 1.34 0.00	51.76 1.08 0.00	44.20 0.88 0.00	38.82 0.68 0.00
SHOEMAKR_138KV_BK 111 55601	33.20 0.56 0.00	34.46 0.47 0.00	34.09 0.34 0.00	32.38 0.34 0.00	33.40 0.33 0.00	33.48 0.26 0.00	46.38 0.66 0.00	89.88 1.40 0.00	43.94 0.56 0.00	33.69 0.43 0.00	33.66 0.37 0.00	32.01 0.34 0.00	32.97 0.39 0.00	33.45 0.41 0.00	32.20 0.65 0.00	41.85 0.78 0.00	44.36 0.78 0.00	44.20 0.77 0.00	46.06 0.90 0.00	72.51 1.58 0.00	60.38 1.29 0.00	51.73 1.05 0.00	44.20 0.87 0.00	38.80 0.66 0.00
SHOREHAM_IC_1 23715	33.06 0.43 0.00	34.46 0.47 0.00	33.82 0.07 0.00	31.83 -0.22 0.00	33.01 -0.06 0.00	33.01 -0.20 0.00	46.03 0.31 0.00	89.55 1.07 0.00	43.12 -0.27 0.00	33.68 0.42 0.00	33.72 0.44 0.00	31.80 0.13 0.00	32.48 -0.09 0.02	33.04 -0.02 -0.02	31.99 0.33 -0.11	42.09 1.01 0.00	44.10 0.52 0.00	43.57 0.14 0.00	45.62 0.46 0.00	72.33 1.40 0.00	60.70 1.61 0.00	51.58 0.89 0.00	44.00 0.67 0.00	38.43 0.29 0.00
SHOREHAM_IC_2 23716	33.06 0.43 0.00	34.46 0.47 0.00	33.82 0.07 0.00	31.83 -0.22 0.00	33.01 -0.06 0.00	33.01 -0.20 0.00	46.03 0.31 0.00	89.55 1.07 0.00	43.12 -0.27 0.00	33.68 0.42 0.00	33.72 0.44 0.00	31.80 0.13 0.00	32.48 -0.09 0.02	33.04 -0.02 -0.02	31.99 0.33 -0.11	42.09 1.01 0.00	44.10 0.52 0.00	43.57 0.14 0.00	45.62 0.46 0.00	72.33 1.40 0.00	60.70 1.61 0.00	51.58 0.89 0.00	44.00 0.67 0.00	38.43 0.29 0.00
SISSONVILLE____ 23735	33.19 0.56 0.00	34.65 0.66 0.00	34.55 0.80 0.00	32.73 0.69 0.00	33.76 0.70 0.00	34.08 0.87 0.00	46.84 1.12 0.00	91.10 2.62 0.00	44.79 1.41 0.00	34.23 0.97 0.00	34.20 0.91 0.00	32.48 0.81 0.00	33.38 0.80 0.00	33.89 0.85 0.00	32.04 0.49 0.00	41.75 0.67 0.00	44.56 0.98 0.00	44.51 1.09 0.00	46.30 1.14 0.00	72.81 1.88 0.00	60.83 1.74 0.00	52.19 1.50 0.00	44.56 1.24 0.00	39.25 1.11 0.00
SITHE_IND_GS1 24169	31.36 -1.27 0.00	32.72 -1.27 0.00	32.52 -1.23 0.00	30.91 -1.14 0.00	31.88 -1.19 0.00	32.03 -1.19 0.00	43.92 -1.80 0.00	84.88 -3.60 0.00	41.60 -1.78 0.00	31.92 -1.33 0.00	32.03 -1.27 0.00	30.50 -1.17 0.00	31.38 -1.21 0.00	31.85 -1.19 0.00	30.55 -1.00 0.00	39.67 -1.40 0.00	41.80 -1.78 0.00	41.58 -1.85 0.00	43.21 -1.95 0.00	67.84 -3.09 0.00	56.42 -2.67 0.00	48.38 -2.31 0.00	41.40 -1.93 0.00	36.46 -1.68 0.00
SITHE_IND_GS2 24170	31.36 -1.27 0.00	32.72 -1.27 0.00	32.52 -1.23 0.00	30.91 -1.14 0.00	31.88 -1.19 0.00	32.03 -1.19 0.00	43.92 -1.80 0.00	84.88 -3.60 0.00	41.60 -1.78 0.00	31.92 -1.33 0.00	32.03 -1.27 0.00	30.50 -1.17 0.00	31.38 -1.21 0.00	31.85 -1.19 0.00	30.55 -1.00 0.00	39.67 -1.40 0.00	41.80 -1.78 0.00	41.58 -1.85 0.00	43.21 -1.95 0.00	67.84 -3.09 0.00	56.42 -2.67 0.00	48.38 -2.31 0.00	41.40 -1.93 0.00	36.46 -1.68 0.00
SITHE_IND_GS3 24171	31.36 -1.27 0.00	32.72 -1.27 0.00	32.52 -1.23 0.00	30.91 -1.14 0.00	31.88 -1.19 0.00	32.03 -1.19 0.00	43.92 -1.80 0.00	84.88 -3.60 0.00	41.60 -1.78 0.00	31.92 -1.33 0.00	32.03 -1.27 0.00	30.50 -1.17 0.00	31.38 -1.21 0.00	31.85 -1.19 0.00	30.55 -1.00 0.00	39.67 -1.40 0.00	41.80 -1.78 0.00	41.58 -1.85 0.00	43.21 -1.95 0.00	67.84 -3.09 0.00	56.42 -2.67 0.00	48.38 -2.31 0.00	41.40 -1.93 0.00	36.46 -1.68 0.00
SITHE_IND_GS4 24172	31.36 -1.27 0.00	32.72 -1.27 0.00	32.52 -1.23 0.00	30.91 -1.14 0.00	31.88 -1.19 0.00	32.03 -1.19 0.00	43.92 -1.80 0.00	84.88 -3.60 0.00	41.60 -1.78 0.00	31.92 -1.33 0.00	32.03 -1.27 0.00	30.50 -1.17 0.00	31.38 -1.21 0.00	31.85 -1.19 0.00	30.55 -1.00 0.00	39.67 -1.40 0.00	41.80 -1.78 0.00	41.58 -1.85 0.00	43.21 -1.95 0.00	67.84 -3.09 0.00	56.42 -2.67 0.00	48.38 -2.31 0.00	41.40 -1.93 0.00	36.46 -1.68 0.00



SITHE___BATAVIA 24024	32.00 -0.63 0.00	33.79 -0.19 0.00	33.68 -0.06 0.00	32.01 -0.03 0.00	33.13 0.06 0.00	33.31 0.10 0.00	44.90 -0.82 0.00	85.90 -2.58 0.00	42.22 -1.17 0.00	32.21 -1.05 0.00	31.86 -1.42 0.00	30.40 -1.27 0.00	31.36 -1.23 0.00	32.04 -1.00 0.00	31.04 -0.51 0.00	40.51 -0.56 0.00	42.68 -0.90 0.00	42.46 -0.97 0.00	43.97 -1.19 0.00	68.85 -2.08 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.94 -1.38 0.00	37.04 -1.10 0.00
SITHE___INDEPEND 23800	31.36 -1.27 0.00	32.72 -1.27 0.00	32.52 -1.23 0.00	30.91 -1.14 0.00	31.88 -1.19 0.00	32.03 -1.18 0.00	43.92 -1.80 0.00	84.89 -3.59 0.00	41.60 -1.78 0.00	31.93 -1.33 0.00	32.03 -1.27 0.00	30.49 -1.17 0.00	31.37 -1.21 0.00	31.85 -1.19 0.00	30.55 -1.00 0.00	39.67 -1.40 0.00	41.80 -1.78 0.00	41.57 -1.85 0.00	43.21 -1.95 0.00	67.84 -3.09 0.00	56.42 -2.67 0.00	48.37 -2.31 0.00	41.40 -1.93 0.00	36.45 -1.68 0.00
SITHE___MASSENA 23902	33.43 0.80 0.00	34.87 0.88 0.00	34.78 1.03 0.00	32.94 0.90 0.00	33.97 0.90 0.00	34.18 0.97 0.00	46.87 1.15 0.00	91.00 2.52 0.00	44.82 1.44 0.00	34.40 1.15 0.00	34.40 1.11 0.00	32.73 1.06 0.00	33.66 1.08 0.00	34.14 1.10 0.00	32.25 0.70 0.00	41.98 0.91 0.00	44.74 1.16 0.00	44.59 1.17 0.00	46.35 1.19 0.00	72.75 1.83 0.00	60.75 1.66 0.00	52.16 1.48 0.00	44.61 1.29 0.00	39.33 1.20 0.00
SITHE___OGDNSBRG 24021	34.06 1.43 0.00	35.51 1.52 0.00	35.42 1.67 0.00	33.55 1.51 0.00	34.61 1.54 0.00	34.90 1.69 0.00	47.97 2.25 0.00	93.20 4.72 0.00	45.67 2.29 0.00	34.70 1.44 0.00	34.64 1.35 0.00	32.95 1.28 0.00	33.89 1.30 0.00	34.40 1.36 0.00	32.51 0.96 0.00	42.36 1.29 0.00	45.28 1.70 0.00	45.24 1.82 0.00	47.21 2.05 0.00	74.43 3.51 0.00	62.19 3.10 0.00	53.34 2.66 0.00	45.56 2.23 0.00	40.13 1.99 0.00
SITHE___STERLING 23777	33.10 0.47 0.00	34.51 0.52 0.00	34.24 0.49 0.00	32.55 0.50 0.00	33.62 0.55 0.00	33.94 0.73 0.00	46.99 1.27 0.00	91.08 2.60 0.00	44.46 1.08 0.00	33.76 0.50 0.00	33.65 0.36 0.00	31.99 0.32 0.00	32.92 0.34 0.00	33.48 0.45 0.00	32.17 0.61 0.00	41.96 0.89 0.00	44.61 1.03 0.00	44.59 1.17 0.00	46.40 1.24 0.00	72.92 1.99 0.00	60.65 1.56 0.00	51.94 1.25 0.00	44.27 0.94 0.00	38.85 0.72 0.00
SLEIGHT__34_KV_TB1 80719	31.68 -0.95 0.00	33.19 -0.80 0.00	33.01 -0.74 0.00	31.37 -0.67 0.00	32.43 -0.64 0.00	32.64 -0.58 0.00	44.58 -1.14 0.00	85.85 -2.63 0.00	42.07 -1.31 0.00	32.12 -1.15 0.00	32.03 -1.26 0.00	30.50 -1.17 0.00	31.41 -1.17 0.00	32.00 -1.04 0.00	30.86 -0.69 0.00	40.21 -0.86 0.00	42.40 -1.18 0.00	42.18 -1.25 0.00	43.80 -1.37 0.00	68.78 -2.15 0.00	56.93 -2.16 0.00	48.76 -1.92 0.00	41.76 -1.56 0.00	36.78 -1.36 0.00
SOUTH CAIRO___GT 23612	34.49 1.86 0.00	35.87 1.87 0.00	35.50 1.75 0.00	33.74 1.70 0.00	34.93 1.86 0.00	35.15 1.94 0.00	48.70 2.98 0.00	94.35 5.87 0.00	46.08 2.69 0.00	34.86 1.60 0.00	34.47 1.19 0.00	32.51 0.84 0.00	33.32 0.73 0.00	33.62 0.58 0.00	32.05 0.50 0.00	41.95 0.87 0.00	45.15 1.56 0.00	45.85 2.42 0.00	47.81 2.65 0.00	75.12 4.20 0.00	62.49 3.40 0.00	53.53 2.85 0.00	45.65 2.32 0.00	40.20 2.06 0.00
SOUTH HAMPTN___IC 23720	33.11 0.49 0.00	34.65 0.66 0.00	34.04 0.29 0.00	31.94 -0.10 0.00	33.19 0.12 0.00	33.25 0.04 0.00	46.30 0.59 0.00	90.07 1.59 0.00	43.31 -0.08 0.00	33.77 0.51 0.00	33.88 0.59 0.00	31.97 0.30 0.00	32.79 0.23 0.02	33.42 0.36 -0.02	32.37 0.71 -0.11	42.49 1.41 0.00	44.61 1.02 0.00	44.16 0.73 0.00	46.16 1.00 0.00	73.23 2.30 0.00	61.30 2.22 0.00	52.15 1.47 0.00	44.40 1.07 0.00	38.80 0.66 0.00
SOUTHDOW_115KV_TB1 355954	32.66 0.03 0.00	34.33 0.33 0.00	34.12 0.37 0.00	32.35 0.30 0.00	33.59 0.53 0.00	33.95 0.74 0.00	46.06 0.34 0.00	88.69 0.21 0.00	43.56 0.17 0.00	33.65 0.39 0.00	33.37 0.08 0.00	31.85 0.18 0.00	32.57 -0.02 0.00	33.39 0.35 0.00	32.42 0.87 0.00	41.82 0.74 0.00	43.67 0.09 0.00	43.43 0.01 0.00	45.01 -0.14 0.00	71.12 0.20 0.00	58.68 -0.41 0.00	49.95 -0.74 0.00	42.62 -0.71 0.00	37.39 -0.75 0.00
SOUTHOLD_69_KV_BK 2 55809	32.90 0.27 0.00	34.56 0.57 0.00	33.95 0.20 0.00	31.72 -0.33 0.00	33.02 -0.05 0.00	33.11 -0.10 0.00	46.01 0.29 0.00	89.59 1.11 0.00	42.93 -0.46 0.00	33.48 0.22 0.00	33.69 0.41 0.00	31.78 0.11 0.00	32.76 0.20 0.02	33.47 0.41 -0.02	32.40 0.74 -0.11	42.53 1.45 0.00	44.68 1.10 0.00	44.29 0.87 0.00	46.23 1.07 0.00	73.38 2.45 0.00	61.29 2.20 0.00	52.19 1.51 0.00	44.30 0.98 0.00	38.74 0.60 0.00
SOUTHOLD___IC 23719	32.89 0.27 0.00	34.56 0.57 0.00	33.95 0.20 0.00	31.72 -0.33 0.00	33.02 -0.05 0.00	33.12 -0.09 0.00	46.02 0.30 0.00	89.58 1.10 0.00	42.93 -0.45 0.00	33.49 0.23 0.00	33.69 0.40 0.00	31.78 0.11 0.00	32.76 0.19 0.02	33.47 0.41 -0.02	32.41 0.75 -0.11	42.53 1.45 0.00	44.68 1.10 0.00	44.28 0.86 0.00	46.23 1.07 0.00	73.38 2.45 0.00	61.28 2.19 0.00	52.18 1.50 0.00	44.31 0.98 0.00	38.74 0.60 0.00
SOUTH_FORK_WT_PWR 323839	32.46 -0.17 0.00	34.35 0.36 0.00	33.76 0.01 0.00	31.42 -0.62 0.00	32.75 -0.32 0.00	32.88 -0.33 0.00	45.62 -0.10 0.00	88.75 0.27 0.00	42.41 -0.97 0.00	33.11 -0.15 0.00	33.43 0.13 0.00	31.54 -0.13 0.00	32.64 0.07 0.02	33.42 0.37 -0.02	32.36 0.70 -0.11	42.43 1.36 0.00	44.59 1.01 0.00	44.23 0.80 0.00	46.07 0.91 0.00	73.15 2.22 0.00	61.00 1.91 0.00	51.99 1.31 0.00	44.05 0.72 0.00	38.55 0.41 0.00
SPIERFLS_115KV_TB 1 80737	33.43 0.80 0.00	34.76 0.77 0.00	34.41 0.67 0.00	32.72 0.67 0.00	33.85 0.78 0.00	34.10 0.88 0.00	47.28 1.56 0.00	91.24 2.76 0.00	44.47 1.08 0.00	33.74 0.49 0.00	33.56 0.28 0.00	31.95 0.28 0.00	32.93 0.34 0.00	33.24 0.20 0.00	32.18 0.63 0.00	42.13 1.06 0.00	45.15 1.57 0.00	45.03 1.60 0.00	46.95 1.79 0.00	73.78 2.86 0.00	61.64 2.55 0.00	52.87 2.19 0.00	45.01 1.68 0.00	39.57 1.43 0.00
ST LAWRENCE____ 23600	33.02 0.40 0.00	34.44 0.45 0.00	34.34 0.59 0.00	32.54 0.50 0.00	33.56 0.49 0.00	33.74 0.52 0.00	46.28 0.55 0.00	89.81 1.33 0.00	44.25 0.87 0.00	34.01 0.75 0.00	34.02 0.74 0.00	32.37 0.70 0.00	33.30 0.71 0.00	33.75 0.71 0.00	31.90 0.35 0.00	41.54 0.46 0.00	44.23 0.65 0.00	44.07 0.64 0.00	45.79 0.63 0.00	71.84 0.91 0.00	59.97 0.88 0.00	51.50 0.82 0.00	44.06 0.74 0.00	38.84 0.70 0.00
STATE_CA_115KV_115_LB 55624	33.57 0.94 0.00	34.91 0.92 0.00	34.53 0.78 0.00	32.81 0.77 0.00	33.90 0.84 0.00	34.01 0.79 0.00	46.97 1.25 0.00	90.75 2.27 0.00	44.48 1.09 0.00	34.02 0.76 0.00	34.07 0.78 0.00	32.34 0.67 0.00	33.24 0.65 0.00	33.58 0.53 0.00	32.16 0.61 0.00	41.93 0.86 0.00	44.64 1.05 0.00	44.54 1.12 0.00	46.36 1.20 0.00	72.78 1.86 0.00	60.68 1.59 0.00	52.07 1.38 0.00	44.46 1.14 0.00	39.19 1.05 0.00



STATE_ST_34_KV_LOAD 55959	32.29 -0.34 0.00	33.63 -0.36 0.00	33.41 -0.34 0.00	31.77 -0.27 0.00	32.82 -0.25 0.00	33.01 -0.20 0.00	45.36 -0.36 0.00	87.59 -0.89 0.00	42.88 -0.51 0.00	32.72 -0.54 0.00	32.63 -0.66 0.00	31.00 -0.66 0.00	31.91 -0.68 0.00	32.46 -0.58 0.00	31.23 -0.32 0.00	40.75 -0.33 0.00	43.12 -0.46 0.00	42.91 -0.51 0.00	44.65 -0.51 0.00	70.16 -0.76 0.00	58.24 -0.84 0.00	49.91 -0.77 0.00	42.66 -0.67 0.00	37.51 -0.63 0.00
STATION 5_MISC_HYD 23604	31.66 -0.97 0.00	33.31 -0.68 0.00	33.16 -0.59 0.00	31.50 -0.55 0.00	32.56 -0.51 0.00	32.70 -0.51 0.00	44.38 -1.34 0.00	85.22 -3.26 0.00	41.82 -1.57 0.00	32.05 -1.21 0.00	31.98 -1.31 0.00	30.53 -1.15 0.00	31.42 -1.16 0.00	31.99 -1.05 0.00	30.89 -0.66 0.00	40.17 -0.90 0.00	42.25 -1.33 0.00	41.99 -1.43 0.00	43.53 -1.63 0.00	68.30 -2.62 0.00	56.48 -2.61 0.00	48.40 -2.28 0.00	41.57 -1.76 0.00	36.68 -1.46 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	32.08 -0.55 0.00	33.59 -0.39 0.00	33.41 -0.33 0.00	31.78 -0.26 0.00	32.85 -0.21 0.00	33.09 -0.12 0.00	45.29 -0.43 0.00	87.26 -1.22 0.00	42.76 -0.63 0.00	32.67 -0.59 0.00	32.54 -0.74 0.00	30.95 -0.72 0.00	31.87 -0.71 0.00	32.47 -0.56 0.00	31.32 -0.22 0.00	40.84 -0.23 0.00	43.10 -0.48 0.00	42.85 -0.58 0.00	44.50 -0.66 0.00	69.85 -1.07 0.00	57.84 -1.25 0.00	49.56 -1.13 0.00	42.42 -0.90 0.00	37.33 -0.81 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	31.51 -1.12 0.00	33.14 -0.85 0.00	32.97 -0.78 0.00	31.33 -0.71 0.00	32.39 -0.68 0.00	32.54 -0.67 0.00	44.22 -1.51 0.00	84.90 -3.58 0.00	41.66 -1.73 0.00	31.94 -1.32 0.00	31.87 -1.42 0.00	30.41 -1.26 0.00	31.30 -1.28 0.00	31.86 -1.18 0.00	30.76 -0.79 0.00	40.01 -1.07 0.00	42.09 -1.49 0.00	41.82 -1.60 0.00	43.37 -1.79 0.00	68.03 -2.89 0.00	56.29 -2.80 0.00	48.22 -2.46 0.00	41.40 -1.92 0.00	36.51 -1.63 0.00
STA_56___34_KV_BUS2 355883	31.51 -1.12 0.00	33.14 -0.85 0.00	32.97 -0.78 0.00	31.33 -0.71 0.00	32.39 -0.68 0.00	32.54 -0.67 0.00	44.22 -1.51 0.00	84.90 -3.58 0.00	41.66 -1.73 0.00	31.94 -1.32 0.00	31.87 -1.42 0.00	30.41 -1.26 0.00	31.30 -1.28 0.00	31.86 -1.18 0.00	30.76 -0.79 0.00	40.01 -1.07 0.00	42.09 -1.49 0.00	41.82 -1.60 0.00	43.37 -1.79 0.00	68.03 -2.89 0.00	56.29 -2.80 0.00	48.22 -2.46 0.00	41.40 -1.92 0.00	36.51 -1.63 0.00
STA_67___115KV_BK2 355882	31.59 -1.04 0.00	33.24 -0.75 0.00	33.08 -0.67 0.00	31.43 -0.61 0.00	32.48 -0.58 0.00	32.64 -0.58 0.00	44.27 -1.45 0.00	84.99 -3.49 0.00	41.71 -1.68 0.00	31.98 -1.28 0.00	31.91 -1.38 0.00	30.46 -1.21 0.00	31.34 -1.24 0.00	31.90 -1.14 0.00	30.81 -0.73 0.00	40.06 -1.01 0.00	42.14 -1.44 0.00	41.87 -1.56 0.00	43.40 -1.76 0.00	68.09 -2.83 0.00	56.31 -2.78 0.00	48.26 -2.42 0.00	41.46 -1.87 0.00	36.57 -1.57 0.00
STA_7___115KV_9TRANS 80674	31.82 -0.81 0.00	33.47 -0.51 0.00	33.31 -0.44 0.00	31.64 -0.40 0.00	32.71 -0.36 0.00	32.88 -0.33 0.00	44.64 -1.08 0.00	85.73 -2.75 0.00	42.03 -1.36 0.00	32.21 -1.05 0.00	32.12 -1.17 0.00	30.66 -1.01 0.00	31.57 -1.01 0.00	32.14 -0.90 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.49 -1.09 0.00	42.23 -1.20 0.00	43.80 -1.36 0.00	68.76 -2.17 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.82 -1.51 0.00	36.87 -1.27 0.00
STA_82___115KV_TB1 80780	31.59 -1.04 0.00	33.24 -0.75 0.00	33.09 -0.66 0.00	31.43 -0.61 0.00	32.49 -0.58 0.00	32.64 -0.57 0.00	44.28 -1.44 0.00	85.00 -3.48 0.00	41.72 -1.66 0.00	31.98 -1.28 0.00	31.90 -1.39 0.00	30.46 -1.22 0.00	31.33 -1.25 0.00	31.90 -1.14 0.00	30.81 -0.73 0.00	40.07 -1.00 0.00	42.15 -1.44 0.00	41.87 -1.56 0.00	43.41 -1.75 0.00	68.11 -2.82 0.00	56.33 -2.76 0.00	48.27 -2.42 0.00	41.47 -1.86 0.00	36.58 -1.56 0.00
STEEL___WIND 323596	31.73 -0.90 0.00	33.57 -0.43 0.00	33.49 -0.26 0.00	31.80 -0.25 0.00	32.87 -0.20 0.00	32.97 -0.24 0.00	44.25 -1.47 0.00	84.42 -4.06 0.00	41.62 -1.76 0.00	32.14 -1.12 0.00	31.99 -1.29 0.00	30.59 -1.08 0.00	31.39 -1.19 0.00	31.99 -1.05 0.00	30.99 -0.56 0.00	40.22 -0.85 0.00	42.09 -1.49 0.00	41.78 -1.64 0.00	43.21 -1.95 0.00	67.55 -3.37 0.00	55.78 -3.31 0.00	47.82 -2.87 0.00	41.30 -2.02 0.00	36.53 -1.61 0.00
STEPHTWN_115KV_BK_2 55603	33.62 0.99 0.00	34.97 0.98 0.00	34.58 0.83 0.00	32.85 0.81 0.00	33.97 0.91 0.00	34.10 0.89 0.00	47.27 1.55 0.00	91.27 2.79 0.00	44.63 1.25 0.00	34.11 0.85 0.00	34.15 0.86 0.00	32.36 0.70 0.00	33.29 0.70 0.00	33.55 0.51 0.00	32.16 0.61 0.00	41.86 0.79 0.00	44.62 1.04 0.00	44.55 1.13 0.00	46.42 1.26 0.00	72.90 1.97 0.00	60.76 1.67 0.00	52.08 1.40 0.00	44.47 1.14 0.00	39.21 1.07 0.00
STEUBEN_REC_LFGE 323667	31.34 -1.29 0.00	33.27 -0.72 0.00	33.20 -0.55 0.00	31.62 -0.42 0.00	32.98 -0.09 0.00	33.33 0.12 0.00	45.54 -0.18 0.00	87.21 -1.27 0.00	42.78 -0.61 0.00	32.43 -0.82 0.00	32.00 -1.28 0.00	30.52 -1.15 0.00	31.22 -1.37 0.00	31.64 -1.40 0.00	30.70 -0.85 0.00	40.55 -0.52 0.00	42.46 -1.12 0.00	42.12 -1.31 0.00	44.01 -1.15 0.00	69.10 -1.83 0.00	56.62 -2.47 0.00	48.57 -2.11 0.00	41.50 -1.83 0.00	36.39 -1.75 0.00
STILLWATER___SOLAR 323814	33.67 1.05 0.00	35.03 1.04 0.00	34.65 0.90 0.00	32.93 0.89 0.00	34.07 1.00 0.00	34.23 1.01 0.00	47.36 1.64 0.00	91.39 2.91 0.00	44.59 1.20 0.00	33.90 0.64 0.00	33.86 0.58 0.00	32.20 0.54 0.00	33.18 0.60 0.00	33.54 0.50 0.00	32.29 0.74 0.00	42.16 1.08 0.00	45.06 1.48 0.00	45.06 1.63 0.00	46.94 1.79 0.00	73.78 2.86 0.00	61.56 2.47 0.00	52.78 2.10 0.00	45.02 1.69 0.00	39.64 1.50 0.00
STONY___BROOK 24151	33.58 0.95 0.00	34.89 0.90 0.00	34.32 0.57 0.00	32.37 0.33 0.00	33.45 0.38 0.00	33.51 0.29 0.00	46.73 1.01 0.00	90.96 2.48 0.00	44.15 0.76 0.00	34.28 1.02 0.00	34.33 1.05 0.00	32.45 0.78 0.00	33.34 0.77 0.02	33.89 0.84 -0.02	32.78 1.12 -0.11	42.80 1.73 0.00	45.07 1.49 0.00	44.53 1.10 0.00	46.57 1.41 0.00	73.69 2.77 0.00	61.67 2.58 0.00	52.59 1.90 0.00	44.90 1.57 0.00	39.21 1.08 0.00
STURGEON_POOL_HYD 23609	33.46 0.83 0.00	34.72 0.73 0.00	34.33 0.58 0.00	32.59 0.55 0.00	33.61 0.55 0.00	33.69 0.48 0.00	46.76 1.04 0.00	90.72 2.24 0.00	44.54 1.16 0.00	34.15 0.90 0.00	34.12 0.83 0.00	32.42 0.76 0.00	33.39 0.80 0.00	33.84 0.80 0.00	32.50 0.95 0.00	42.12 1.04 0.00	44.78 1.20 0.00	44.68 1.25 0.00	46.59 1.43 0.00	73.36 2.43 0.00	61.09 2.00 0.00	52.33 1.64 0.00	44.65 1.32 0.00	39.23 1.09 0.00
ST_LAW_115_BK7_LBMP 345037	33.09 0.46 0.00	34.50 0.51 0.00	34.41 0.67 0.00	32.60 0.56 0.00	33.61 0.55 0.00	33.80 0.59 0.00	46.36 0.64 0.00	89.96 1.48 0.00	44.34 0.96 0.00	34.08 0.82 0.00	34.09 0.80 0.00	32.43 0.76 0.00	33.36 0.78 0.00	33.82 0.78 0.00	31.94 0.39 0.00	41.58 0.51 0.00	44.30 0.72 0.00	44.14 0.72 0.00	45.86 0.70 0.00	71.94 1.02 0.00	60.08 1.00 0.00	51.60 0.91 0.00	44.15 0.82 0.00	38.92 0.78 0.00



ST_LAW_115_BK8_LBMP 345038	33.09 0.46 0.00	34.50 0.51 0.00	34.41 0.67 0.00	32.60 0.56 0.00	33.61 0.55 0.00	33.80 0.59 0.00	46.36 0.64 0.00	89.96 1.48 0.00	44.34 0.96 0.00	34.08 0.82 0.00	34.09 0.80 0.00	32.43 0.76 0.00	33.36 0.78 0.00	33.82 0.78 0.00	31.94 0.39 0.00	41.58 0.51 0.00	44.30 0.72 0.00	44.14 0.72 0.00	45.86 0.70 0.00	71.94 1.02 0.00	60.08 1.00 0.00	51.60 0.91 0.00	44.15 0.82 0.00	38.92 0.78 0.00
ST_LAW_230_BK5_LBMP 345035	33.02 0.40 0.00	34.44 0.45 0.00	34.34 0.59 0.00	32.54 0.50 0.00	33.56 0.49 0.00	33.74 0.52 0.00	46.28 0.55 0.00	89.81 1.33 0.00	44.25 0.87 0.00	34.01 0.75 0.00	34.02 0.74 0.00	32.37 0.70 0.00	33.30 0.71 0.00	33.75 0.71 0.00	31.90 0.35 0.00	41.54 0.46 0.00	44.23 0.65 0.00	44.07 0.64 0.00	45.79 0.63 0.00	71.84 0.91 0.00	59.97 0.88 0.00	51.50 0.82 0.00	44.06 0.74 0.00	38.84 0.70 0.00
ST_LAW_230_BK6_LBMP 345036	33.02 0.40 0.00	34.44 0.45 0.00	34.34 0.59 0.00	32.54 0.50 0.00	33.56 0.49 0.00	33.74 0.52 0.00	46.28 0.55 0.00	89.81 1.33 0.00	44.25 0.87 0.00	34.01 0.75 0.00	34.02 0.74 0.00	32.37 0.70 0.00	33.30 0.71 0.00	33.75 0.71 0.00	31.90 0.35 0.00	41.54 0.46 0.00	44.23 0.65 0.00	44.07 0.64 0.00	45.79 0.63 0.00	71.84 0.91 0.00	59.97 0.88 0.00	51.50 0.82 0.00	44.06 0.74 0.00	38.84 0.70 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	33.26 0.63 0.00	34.51 0.52 0.00	34.13 0.38 0.00	32.42 0.38 0.00	33.43 0.36 0.00	33.50 0.29 0.00	46.46 0.75 0.00	90.10 1.62 0.00	44.04 0.65 0.00	33.78 0.53 0.00	33.76 0.47 0.00	32.11 0.44 0.00	33.10 0.52 0.00	33.60 0.56 0.00	32.32 0.77 0.00	41.97 0.89 0.00	44.45 0.87 0.00	44.29 0.87 0.00	46.19 1.03 0.00	72.72 1.80 0.00	60.57 1.48 0.00	51.87 1.19 0.00	44.29 0.96 0.00	38.86 0.72 0.00
SWANROAD_115KV_TB1 355699	30.64 -1.99 0.00	32.49 -1.50 0.00	32.44 -1.31 0.00	30.78 -1.26 0.00	31.83 -1.23 0.00	31.88 -1.34 0.00	42.49 -3.23 0.00	80.70 -7.78 0.00	39.88 -3.50 0.00	30.79 -2.47 0.00	30.72 -2.56 0.00	29.38 -2.29 0.00	30.10 -2.48 0.00	30.67 -2.37 0.00	29.72 -1.83 0.00	38.59 -2.48 0.00	40.33 -3.25 0.00	40.00 -3.43 0.00	41.38 -3.78 0.00	64.59 -6.33 0.00	53.31 -5.78 0.00	45.80 -4.88 0.00	39.71 -3.61 0.00	35.23 -2.91 0.00
SYNERGY___BIOGAS 323694	32.00 -0.63 0.00	33.79 -0.19 0.00	33.68 -0.06 0.00	32.01 -0.03 0.00	33.13 0.06 0.00	33.31 0.10 0.00	44.90 -0.82 0.00	85.90 -2.58 0.00	42.22 -1.17 0.00	32.21 -1.05 0.00	31.86 -1.42 0.00	30.40 -1.27 0.00	31.36 -1.23 0.00	32.04 -1.00 0.00	31.04 -0.51 0.00	40.51 -0.56 0.00	42.68 -0.90 0.00	42.46 -0.97 0.00	43.97 -1.19 0.00	68.85 -2.08 0.00	56.86 -2.23 0.00	48.70 -1.98 0.00	41.94 -1.38 0.00	37.04 -1.10 0.00
SYRACUSE___ENERGY_ST1 323597	32.01 -0.62 0.00	33.39 -0.60 0.00	33.17 -0.58 0.00	31.53 -0.52 0.00	32.54 -0.53 0.00	32.73 -0.48 0.00	44.98 -0.74 0.00	86.88 -1.60 0.00	42.55 -0.84 0.00	32.56 -0.70 0.00	32.58 -0.71 0.00	31.01 -0.66 0.00	31.89 -0.69 0.00	32.42 -0.62 0.00	31.14 -0.40 0.00	40.53 -0.54 0.00	42.78 -0.80 0.00	42.58 -0.85 0.00	44.28 -0.88 0.00	69.59 -1.34 0.00	57.81 -1.28 0.00	49.57 -1.12 0.00	42.39 -0.94 0.00	37.28 -0.86 0.00
SYRACUSE___ENERGY_ST2 323598	32.01 -0.62 0.00	33.39 -0.60 0.00	33.17 -0.58 0.00	31.53 -0.52 0.00	32.54 -0.53 0.00	32.73 -0.48 0.00	44.98 -0.74 0.00	86.88 -1.60 0.00	42.55 -0.84 0.00	32.56 -0.70 0.00	32.58 -0.71 0.00	31.01 -0.66 0.00	31.89 -0.69 0.00	32.42 -0.62 0.00	31.14 -0.40 0.00	40.53 -0.54 0.00	42.78 -0.80 0.00	42.58 -0.85 0.00	44.28 -0.88 0.00	69.59 -1.34 0.00	57.81 -1.28 0.00	49.57 -1.12 0.00	42.39 -0.94 0.00	37.28 -0.86 0.00
SYRACUSE___POWER 24017	32.02 -0.61 0.00	33.42 -0.57 0.00	33.19 -0.56 0.00	31.56 -0.49 0.00	32.57 -0.50 0.00	32.76 -0.45 0.00	45.03 -0.69 0.00	87.02 -1.46 0.00	42.61 -0.78 0.00	32.61 -0.65 0.00	32.61 -0.68 0.00	31.04 -0.63 0.00	31.93 -0.66 0.00	32.45 -0.59 0.00	31.18 -0.37 0.00	40.58 -0.50 0.00	42.84 -0.74 0.00	42.65 -0.78 0.00	44.34 -0.82 0.00	69.69 -1.24 0.00	57.89 -1.20 0.00	49.61 -1.08 0.00	42.42 -0.91 0.00	37.30 -0.84 0.00
TALLMAN___138KV_BK151 55660	33.32 0.69 0.00	34.54 0.55 0.00	34.16 0.41 0.00	32.45 0.41 0.00	33.45 0.38 0.00	33.51 0.30 0.00	46.50 0.78 0.00	90.21 1.73 0.00	44.08 0.69 0.00	33.85 0.59 0.00	33.83 0.54 0.00	32.19 0.52 0.00	33.20 0.62 0.00	33.73 0.69 0.00	32.42 0.87 0.00	42.08 1.01 0.00	44.53 0.94 0.00	44.37 0.95 0.00	46.29 1.13 0.00	72.88 1.96 0.00	60.70 1.61 0.00	51.98 1.30 0.00	44.38 1.05 0.00	38.90 0.76 0.00
TEALLAVE_115KV_TB7 355573	31.85 -0.78 0.00	33.25 -0.74 0.00	33.02 -0.73 0.00	31.39 -0.65 0.00	32.40 -0.66 0.00	32.59 -0.63 0.00	44.75 -0.97 0.00	86.48 -2.00 0.00	42.34 -1.05 0.00	32.42 -0.83 0.00	32.46 -0.83 0.00	30.91 -0.76 0.00	31.79 -0.79 0.00	32.31 -0.73 0.00	31.05 -0.50 0.00	40.37 -0.70 0.00	42.59 -0.99 0.00	42.38 -1.04 0.00	44.05 -1.11 0.00	69.20 -1.73 0.00	57.51 -1.58 0.00	49.28 -1.40 0.00	42.15 -1.18 0.00	37.08 -1.06 0.00
TELGRAPH_34_KV_EAST 80808	31.34 -1.28 0.00	33.17 -0.82 0.00	33.08 -0.67 0.00	31.41 -0.63 0.00	32.52 -0.55 0.00	32.63 -0.58 0.00	43.74 -1.98 0.00	83.41 -5.07 0.00	41.12 -2.26 0.00	31.57 -1.69 0.00	31.40 -1.89 0.00	30.00 -1.67 0.00	30.82 -1.76 0.00	31.40 -1.64 0.00	30.44 -1.11 0.00	39.60 -1.48 0.00	41.52 -2.06 0.00	41.21 -2.21 0.00	42.67 -2.49 0.00	66.77 -4.16 0.00	55.12 -3.97 0.00	47.29 -3.39 0.00	40.85 -2.48 0.00	36.15 -1.99 0.00
TEMPLE___115KV_TB 2 55572	31.86 -0.77 0.00	33.25 -0.74 0.00	33.03 -0.72 0.00	31.40 -0.64 0.00	32.41 -0.66 0.00	32.59 -0.62 0.00	44.75 -0.97 0.00	86.49 -1.99 0.00	42.35 -1.04 0.00	32.44 -0.82 0.00	32.47 -0.82 0.00	30.92 -0.75 0.00	31.81 -0.77 0.00	32.32 -0.72 0.00	31.06 -0.49 0.00	40.39 -0.68 0.00	42.61 -0.97 0.00	42.39 -1.04 0.00	44.06 -1.10 0.00	69.23 -1.69 0.00	57.51 -1.58 0.00	49.28 -1.40 0.00	42.15 -1.17 0.00	37.08 -1.06 0.00
TIANA____69_KV_BK 1 55817	33.20 0.57 0.00	34.66 0.67 0.00	34.07 0.32 0.00	32.00 -0.04 0.00	33.22 0.15 0.00	33.25 0.04 0.00	46.35 0.63 0.00	90.20 1.72 0.00	43.41 0.03 0.00	33.85 0.59 0.00	33.93 0.64 0.00	32.00 0.33 0.00	32.80 0.23 0.02	33.39 0.33 -0.02	32.34 0.68 -0.11	42.46 1.38 0.00	44.56 0.98 0.00	44.11 0.69 0.00	46.15 0.99 0.00	73.16 2.24 0.00	61.29 2.21 0.00	52.14 1.46 0.00	44.41 1.09 0.00	38.81 0.67 0.00
TILDEN___115KV_TB1 80814	32.02 -0.61 0.00	33.42 -0.57 0.00	33.19 -0.56 0.00	31.56 -0.49 0.00	32.57 -0.50 0.00	32.76 -0.45 0.00	45.03 -0.69 0.00	87.02 -1.46 0.00	42.61 -0.78 0.00	32.61 -0.65 0.00	32.61 -0.68 0.00	31.04 -0.63 0.00	31.93 -0.66 0.00	32.45 -0.59 0.00	31.18 -0.37 0.00	40.58 -0.50 0.00	42.84 -0.74 0.00	42.65 -0.78 0.00	44.34 -0.82 0.00	69.69 -1.24 0.00	57.89 -1.20 0.00	49.61 -1.08 0.00	42.42 -0.91 0.00	37.30 -0.84 0.00



TRIGEN___CC 323695	33.68 1.05 0.00	34.93 0.94 0.00	34.45 0.70 0.00	32.62 0.58 0.00	33.62 0.55 0.00	33.69 0.48 0.00	46.90 1.19 0.00	91.10 2.62 0.00	44.50 1.11 0.00	34.37 1.11 0.00	34.45 1.16 0.00	32.72 1.05 0.00	33.74 1.16 0.00	34.24 1.19 -0.02	33.05 1.39 -0.11	42.79 1.72 0.00	45.26 1.68 0.00	44.89 1.47 0.00	46.81 1.65 0.00	73.86 2.93 0.00	61.61 2.52 0.00	52.72 2.04 0.00	45.01 1.69 0.00	39.40 1.26 0.00
TRINITY___115KV___4 BK 55933	33.44 0.82 0.00	34.78 0.79 0.00	34.39 0.64 0.00	32.68 0.63 0.00	33.77 0.71 0.00	33.86 0.65 0.00	46.75 1.03 0.00	90.29 1.81 0.00	44.26 0.87 0.00	33.86 0.60 0.00	33.92 0.64 0.00	32.19 0.52 0.00	33.08 0.50 0.00	33.41 0.36 0.00	32.00 0.45 0.00	41.72 0.65 0.00	44.40 0.82 0.00	44.31 0.89 0.00	46.11 0.95 0.00	72.39 1.46 0.00	60.38 1.29 0.00	51.82 1.14 0.00	44.27 0.94 0.00	39.04 0.91 0.00
UNION___PROCESSING_DRP 323587	31.59 -1.04 0.00	33.25 -0.74 0.00	33.10 -0.65 0.00	31.44 -0.60 0.00	32.49 -0.57 0.00	32.65 -0.56 0.00	44.29 -1.43 0.00	85.03 -3.46 0.00	41.73 -1.65 0.00	31.99 -1.27 0.00	31.91 -1.38 0.00	30.46 -1.21 0.00	31.34 -1.24 0.00	31.91 -1.14 0.00	30.81 -0.73 0.00	40.08 -1.00 0.00	42.15 -1.43 0.00	41.88 -1.55 0.00	43.43 -1.73 0.00	68.12 -2.80 0.00	56.35 -2.74 0.00	48.28 -2.40 0.00	41.48 -1.85 0.00	36.60 -1.54 0.00
UPPER HUDSON___HYD 24058	33.43 0.79 0.00	34.76 0.77 0.00	34.41 0.67 0.00	32.72 0.67 0.00	33.85 0.78 0.00	34.10 0.89 0.00	47.28 1.56 0.00	91.24 2.76 0.00	44.47 1.08 0.00	33.74 0.49 0.00	33.56 0.28 0.00	31.95 0.28 0.00	32.92 0.35 0.00	33.24 0.20 0.00	32.17 0.63 0.00	42.13 1.06 0.00	45.15 1.57 0.00	45.02 1.60 0.00	46.95 1.79 0.00	73.78 2.86 0.00	61.64 2.55 0.00	52.87 2.19 0.00	45.01 1.68 0.00	39.57 1.43 0.00
UPPER RAQUET___HYD 24056	33.19 0.56 0.00	34.65 0.66 0.00	34.55 0.80 0.00	32.73 0.69 0.00	33.76 0.70 0.00	34.08 0.87 0.00	46.84 1.12 0.00	91.10 2.62 0.00	44.79 1.40 0.00	34.23 0.97 0.00	34.20 0.91 0.00	32.48 0.81 0.00	33.38 0.80 0.00	33.89 0.85 0.00	32.04 0.49 0.00	41.74 0.67 0.00	44.56 0.98 0.00	44.51 1.09 0.00	46.30 1.14 0.00	72.81 1.88 0.00	60.83 1.74 0.00	52.19 1.50 0.00	44.56 1.24 0.00	39.24 1.10 0.00
VALLEY44_115KV_TB2 355964	32.22 -0.41 0.00	33.98 -0.01 0.00	33.75 0.00 0.00	32.14 0.09 0.00	33.06 0.00 0.00	32.96 -0.25 0.00	44.81 -0.91 0.00	86.29 -2.20 0.00	42.41 -0.98 0.00	32.68 -0.57 0.00	32.45 -0.84 0.00	31.13 -0.54 0.00	32.10 -0.49 0.00	32.71 -0.33 0.00	31.70 0.15 0.00	41.04 -0.03 0.00	42.79 -0.80 0.00	42.30 -1.13 0.00	43.76 -1.40 0.00	69.05 -1.87 0.00	57.04 -2.05 0.00	48.91 -1.78 0.00	42.17 -1.15 0.00	37.15 -0.99 0.00
VALLEY___115KV_TB 1-4 80826	32.24 -0.39 0.00	33.55 -0.45 0.00	33.35 -0.40 0.00	31.80 -0.25 0.00	32.82 -0.25 0.00	32.98 -0.23 0.00	45.80 0.08 0.00	88.75 0.27 0.00	43.18 -0.21 0.00	32.67 -0.58 0.00	32.61 -0.67 0.00	31.03 -0.64 0.00	31.94 -0.64 0.00	32.37 -0.67 0.00	31.07 -0.48 0.00	40.64 -0.43 0.00	43.45 -0.13 0.00	43.54 0.11 0.00	45.43 0.27 0.00	71.37 0.44 0.00	59.27 0.18 0.00	50.69 0.01 0.00	43.22 -0.11 0.00	37.96 -0.18 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	33.68 1.05 0.00	35.09 1.10 0.00	34.87 1.12 0.00	33.19 1.14 0.00	34.30 1.23 0.00	34.51 1.30 0.00	47.73 2.01 0.00	92.47 3.99 0.00	45.22 1.84 0.00	34.60 1.34 0.00	34.55 1.26 0.00	32.86 1.19 0.00	33.78 1.20 0.00	34.31 1.27 0.00	32.89 1.34 0.00	42.77 1.70 0.00	45.39 1.81 0.00	45.30 1.87 0.00	47.14 1.98 0.00	74.12 3.19 0.00	61.62 2.53 0.00	52.83 2.15 0.00	45.16 1.84 0.00	39.65 1.51 0.00
VISCHER___FERRY HYD 24020	33.38 0.75 0.00	34.70 0.71 0.00	34.29 0.54 0.00	32.59 0.55 0.00	33.72 0.66 0.00	33.81 0.59 0.00	46.71 0.98 0.00	90.10 1.62 0.00	44.10 0.71 0.00	33.66 0.40 0.00	33.73 0.45 0.00	32.03 0.36 0.00	32.94 0.36 0.00	33.29 0.24 0.00	31.97 0.42 0.00	41.70 0.63 0.00	44.47 0.89 0.00	44.43 1.00 0.00	46.26 1.10 0.00	72.65 1.73 0.00	60.67 1.58 0.00	52.07 1.38 0.00	44.45 1.13 0.00	39.20 1.06 0.00
V_A_10_SYNC_DSASP 323832	31.03 -1.60 0.00	32.80 -1.19 0.00	32.69 -1.06 0.00	31.04 -1.00 0.00	32.07 -1.00 0.00	32.13 -1.08 0.00	43.21 -2.51 0.00	82.52 -5.97 0.00	40.64 -2.74 0.00	31.31 -1.95 0.00	31.25 -2.04 0.00	29.88 -1.79 0.00	30.67 -1.91 0.00	31.24 -1.80 0.00	30.22 -1.33 0.00	39.21 -1.87 0.00	41.09 -2.49 0.00	40.78 -2.64 0.00	42.21 -2.95 0.00	66.06 -4.86 0.00	54.55 -4.53 0.00	46.83 -3.86 0.00	40.41 -2.92 0.00	35.79 -2.35 0.00
V_CMM_10_SYNC_DSASP 323787	33.26 0.63 0.00	34.68 0.70 0.00	34.60 0.85 0.00	32.78 0.73 0.00	33.80 0.73 0.00	33.99 0.77 0.00	46.59 0.87 0.00	90.42 1.94 0.00	44.57 1.19 0.00	34.26 1.00 0.00	34.26 0.98 0.00	32.61 0.94 0.00	33.53 0.94 0.00	34.00 0.96 0.00	32.11 0.56 0.00	41.80 0.73 0.00	44.52 0.94 0.00	44.37 0.94 0.00	46.09 0.93 0.00	72.31 1.38 0.00	60.38 1.29 0.00	51.85 1.17 0.00	44.36 1.03 0.00	39.11 0.97 0.00
V_CMP_10_SYNC_DSASP 323788	32.82 0.19 0.00	34.36 0.37 0.00	34.94 1.19 0.00	33.26 1.22 0.00	34.26 1.20 0.00	34.56 1.35 0.00	47.81 2.09 0.00	93.37 4.88 0.00	46.10 2.71 0.00	35.22 1.96 0.00	35.28 1.99 0.00	33.71 2.04 0.00	34.62 2.03 0.00	34.97 1.93 0.00	33.31 1.76 0.00	43.43 2.35 0.00	46.28 2.71 0.00	45.99 2.57 0.00	47.99 2.83 0.00	75.43 4.51 0.00	62.75 3.66 0.00	53.60 2.92 0.00	45.84 2.51 0.00	40.46 2.32 0.00
V_D_10_SYNC_DSASP 323841	33.42 0.79 0.00	34.87 0.88 0.00	34.78 1.03 0.00	32.94 0.90 0.00	33.97 0.90 0.00	34.18 0.97 0.00	46.87 1.15 0.00	90.99 2.51 0.00	44.82 1.44 0.00	34.40 1.15 0.00	34.40 1.11 0.00	32.73 1.06 0.00	33.66 1.08 0.00	34.14 1.10 0.00	32.25 0.70 0.00	41.98 0.91 0.00	44.74 1.16 0.00	44.59 1.17 0.00	46.34 1.18 0.00	72.75 1.83 0.00	60.73 1.65 0.00	52.15 1.47 0.00	44.61 1.28 0.00	39.33 1.20 0.00
V_E_10_SYNC_DSASP 323830	32.89 0.26 0.00	34.54 0.55 0.00	34.66 0.91 0.00	33.48 1.43 0.00	34.69 1.62 0.00	35.12 1.91 0.00	48.88 3.16 0.00	95.24 6.76 0.00	46.37 2.99 0.00	34.92 1.66 0.00	34.36 1.07 0.00	32.67 1.00 0.00	33.44 0.86 0.00	34.09 1.05 0.00	32.83 1.28 0.00	43.17 2.10 0.00	46.62 3.04 0.00	46.65 3.22 0.00	48.56 3.40 0.00	76.62 5.69 0.00	63.61 4.53 0.00	54.27 3.59 0.00	46.29 2.97 0.00	40.45 2.31 0.00
V_F_30_NSYNC___DSASP 323816	33.70 1.08 0.00	35.06 1.07 0.00	34.69 0.94 0.00	32.97 0.93 0.00	34.10 1.03 0.00	34.26 1.05 0.00	47.40 1.68 0.00	91.51 3.03 0.00	44.63 1.25 0.00	33.96 0.70 0.00	33.93 0.65 0.00	32.27 0.60 0.00	33.25 0.66 0.00	33.62 0.57 0.00	32.35 0.80 0.00	42.23 1.16 0.00	45.11 1.53 0.00	45.10 1.67 0.00	46.98 1.82 0.00	73.85 2.92 0.00	61.58 2.49 0.00	52.80 2.12 0.00	45.04 1.72 0.00	39.65 1.51 0.00



V_F_30_SYNC_DSASP 323786	33.57 0.94 0.00	34.91 0.92 0.00	34.53 0.78 0.00	32.81 0.76 0.00	33.90 0.83 0.00	34.01 0.79 0.00	46.97 1.25 0.00	90.75 2.27 0.00	44.47 1.08 0.00	34.01 0.75 0.00	34.07 0.78 0.00	32.34 0.67 0.00	33.23 0.65 0.00	33.57 0.53 0.00	32.15 0.60 0.00	41.92 0.85 0.00	44.64 1.05 0.00	44.54 1.11 0.00	46.36 1.20 0.00	72.78 1.86 0.00	60.68 1.59 0.00	52.07 1.38 0.00	44.46 1.14 0.00	39.19 1.05 0.00
V_XM_10_SYNC_DSASP 323789	32.82 0.19 0.00	34.36 0.37 0.00	34.94 1.19 0.00	33.26 1.22 0.00	34.26 1.20 0.00	34.56 1.35 0.00	47.81 2.09 0.00	93.37 4.88 0.00	46.10 2.71 0.00	35.22 1.96 0.00	35.28 1.99 0.00	33.71 2.04 0.00	34.62 2.03 0.00	34.97 1.93 0.00	33.31 1.76 0.00	43.43 2.35 0.00	46.28 2.71 0.00	45.99 2.57 0.00	47.99 2.83 0.00	75.43 4.51 0.00	62.75 3.66 0.00	53.60 2.92 0.00	45.84 2.51 0.00	40.46 2.32 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	33.44 0.81 0.00	34.67 0.68 0.00	34.28 0.53 0.00	32.56 0.52 0.00	33.56 0.49 0.00	33.62 0.41 0.00	46.69 0.97 0.00	90.57 2.09 0.00	44.25 0.87 0.00	33.98 0.72 0.00	33.97 0.69 0.00	32.32 0.66 0.00	33.34 0.76 0.00	33.87 0.83 0.00	32.57 1.02 0.00	42.25 1.18 0.00	44.72 1.14 0.00	44.57 1.14 0.00	46.49 1.33 0.00	73.20 2.27 0.00	60.97 1.89 0.00	52.21 1.53 0.00	44.56 1.23 0.00	39.05 0.92 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	33.63 1.00 0.00	34.84 0.85 0.00	34.41 0.66 0.00	32.67 0.62 0.00	33.67 0.60 0.00	33.72 0.50 0.00	46.91 1.19 0.00	91.00 2.52 0.00	44.54 1.15 0.00	34.34 1.08 0.00	34.42 1.14 0.00	32.79 1.12 0.00	33.87 1.29 0.00	34.67 1.36 -0.27	34.92 1.49 -1.88	42.74 1.67 0.00	45.22 1.64 0.00	45.03 1.61 0.00	46.92 1.76 0.00	73.82 2.90 0.00	61.41 2.32 0.00	52.55 1.87 0.00	44.86 1.54 0.00	39.34 1.20 0.00
W50THST__13_KV_LOAD 356117	33.75 1.12 0.00	34.96 0.97 0.00	34.52 0.77 0.00	32.77 0.72 0.00	33.78 0.71 0.00	33.84 0.63 0.00	47.10 1.38 0.00	91.43 2.95 0.00	44.77 1.39 0.00	34.54 1.28 0.00	34.65 1.36 0.00	33.02 1.35 0.00	34.13 1.55 0.00	34.93 1.61 -0.27	35.17 1.74 -1.88	43.03 1.96 0.00	45.51 1.93 0.00	45.31 1.89 0.00	47.16 2.00 0.00	74.14 3.22 0.00	61.64 2.55 0.00	52.73 2.05 0.00	45.02 1.69 0.00	39.46 1.32 0.00
WADING RIVER_IC_1 23522	33.00 0.37 0.00	34.39 0.41 0.00	33.76 0.01 0.00	31.76 -0.28 0.00	32.96 -0.10 0.00	32.95 -0.27 0.00	45.95 0.23 0.00	89.39 0.91 0.00	43.00 -0.39 0.00	33.62 0.36 0.00	33.67 0.38 0.00	31.75 0.08 0.00	32.41 -0.16 0.02	32.97 0.27 -0.02	31.93 0.27 -0.11	42.04 0.97 0.00	44.01 0.43 0.00	43.48 0.06 0.00	45.53 0.37 0.00	72.17 1.25 0.00	60.58 1.50 0.00	51.46 0.78 0.00	43.90 0.57 0.00	38.34 0.20 0.00
WADING RIVER_IC_2 23547	33.00 0.37 0.00	34.39 0.41 0.00	33.76 0.01 0.00	31.76 -0.28 0.00	32.96 -0.10 0.00	32.95 -0.27 0.00	45.95 0.23 0.00	89.39 0.91 0.00	43.00 -0.39 0.00	33.62 0.36 0.00	33.67 0.38 0.00	31.75 0.08 0.00	32.41 -0.16 0.02	32.97 -0.09 -0.02	31.93 0.27 -0.11	42.04 0.97 0.00	44.01 0.43 0.00	43.48 0.06 0.00	45.53 0.37 0.00	72.17 1.25 0.00	60.58 1.50 0.00	51.46 0.78 0.00	43.90 0.57 0.00	38.34 0.20 0.00
WADING RIVER_IC_3 23601	33.00 0.37 0.00	34.39 0.41 0.00	33.76 0.01 0.00	31.76 -0.28 0.00	32.96 -0.10 0.00	32.95 -0.27 0.00	45.95 0.23 0.00	89.39 0.91 0.00	43.00 -0.39 0.00	33.62 0.36 0.00	33.67 0.38 0.00	31.75 0.08 0.00	32.41 -0.16 0.02	32.97 -0.09 -0.02	31.93 0.27 -0.11	42.04 0.97 0.00	44.01 0.43 0.00	43.48 0.06 0.00	45.53 0.37 0.00	72.17 1.25 0.00	60.58 1.50 0.00	51.46 0.78 0.00	43.90 0.57 0.00	38.34 0.20 0.00
WALDENNY_12_KV_BK2 80841	31.72 -0.90 0.00	33.57 -0.42 0.00	33.48 -0.28 0.00	31.79 -0.26 0.00	32.87 -0.20 0.00	32.97 -0.25 0.00	44.22 -1.50 0.00	84.33 -4.15 0.00	41.62 -1.76 0.00	32.13 -1.13 0.00	32.00 -1.29 0.00	30.61 -1.06 0.00	31.39 -1.19 0.00	31.98 -1.06 0.00	31.00 -0.55 0.00	40.23 -0.84 0.00	42.11 -1.48 0.00	41.76 -1.67 0.00	43.18 -1.98 0.00	67.58 -3.35 0.00	55.76 -3.33 0.00	47.81 -2.87 0.00	41.30 -2.03 0.00	36.51 -1.63 0.00
WALDEN__HYDRO 24148	33.45 0.82 0.00	34.70 0.71 0.00	34.32 0.57 0.00	32.59 0.55 0.00	33.61 0.55 0.00	33.69 0.48 0.00	46.76 1.04 0.00	90.69 2.21 0.00	44.47 1.09 0.00	34.07 0.81 0.00	34.00 0.71 0.00	32.30 0.63 0.00	33.27 0.69 0.00	33.72 0.68 0.00	32.36 0.81 0.00	42.01 0.94 0.00	44.56 0.98 0.00	44.42 0.99 0.00	46.33 1.17 0.00	72.95 2.03 0.00	60.79 1.70 0.00	52.07 1.39 0.00	44.43 1.10 0.00	39.06 0.93 0.00
WARRENSBURG____ 23737	33.43 0.80 0.00	34.76 0.77 0.00	34.41 0.67 0.00	32.72 0.67 0.00	33.85 0.78 0.00	34.10 0.88 0.00	47.28 1.56 0.00	91.24 2.76 0.00	44.47 1.08 0.00	33.74 0.49 0.00	33.56 0.28 0.00	31.95 0.28 0.00	32.93 0.34 0.00	33.24 0.20 0.00	32.18 0.63 0.00	42.13 1.06 0.00	45.15 1.57 0.00	45.03 1.60 0.00	46.95 1.79 0.00	73.78 2.86 0.00	61.64 2.55 0.00	52.87 2.19 0.00	45.01 1.68 0.00	39.57 1.43 0.00
WATERSIDE____6 8 9 23538	28.83 1.17 4.96	30.59 1.01 4.41	30.07 0.83 4.51	27.79 0.77 5.02	28.98 0.71 4.80	28.90 0.64 4.96	44.70 1.36 2.38	90.07 2.72 1.13	41.64 1.31 3.06	29.20 1.23 5.29	29.98 1.30 4.61	29.11 1.28 3.83	29.88 1.44 4.15	30.10 1.49 4.43	31.72 1.61 1.45	39.65 1.79 3.21	42.65 1.77 2.70	42.43 1.75 2.74	43.88 1.95 3.23	74.05 3.14 0.02	60.28 2.59 1.40	51.31 2.10 1.47	42.28 1.73 2.78	35.65 1.39 3.88
WATKINRD_115KV_LN8_ILLION 55919	32.49 -0.14 0.00	33.81 -0.18 0.00	33.56 -0.19 0.00	31.93 -0.12 0.00	32.96 -0.10 0.00	33.12 -0.09 0.00	45.89 0.17 0.00	88.85 0.37 0.00	43.31 -0.07 0.00	32.91 -0.35 0.00	32.89 -0.40 0.00	31.29 -0.38 0.00	32.21 -0.37 0.00	32.64 -0.40 0.00	31.30 -0.25 0.00	40.86 -0.21 0.00	43.58 -0.01 0.00	43.61 0.18 0.00	45.45 0.29 0.00	71.39 0.46 0.00	59.39 0.30 0.00	50.86 0.18 0.00	43.39 0.06 0.00	38.13 0.00 0.00
WATSON____69_KV_BK 1 55734	34.18 1.55 0.00	35.37 1.38 0.00	34.83 1.08 0.00	32.92 0.88 0.00	33.96 0.89 0.00	34.06 0.85 0.00	47.54 1.82 0.00	92.55 4.06 0.00	45.01 1.63 0.00	34.83 1.57 0.00	34.87 1.58 0.00	32.95 1.28 0.00	33.96 1.38 0.00	34.51 1.45 -0.02	33.30 1.64 -0.11	43.34 2.27 0.00	45.80 2.23 0.00	45.32 1.89 0.00	47.42 2.27 0.00	74.89 3.96 0.00	62.64 3.56 0.00	53.48 2.80 0.00	45.65 2.33 0.00	39.86 1.73 0.00
WDELAWARE__HYD 323627	33.59 0.96 0.00	35.13 1.14 0.00	34.78 1.03 0.00	33.07 1.03 0.00	34.13 1.06 0.00	34.28 1.07 0.00	47.57 1.86 0.00	92.19 3.71 0.00	45.12 1.73 0.00	34.48 1.22 0.00	34.38 1.09 0.00	32.64 0.97 0.00	33.55 0.97 0.00	34.12 1.08 0.00	32.79 1.24 0.00	42.77 1.70 0.00	45.46 1.88 0.00	45.31 1.89 0.00	47.28 2.12 0.00	74.49 3.56 0.00	61.94 2.85 0.00	53.03 2.34 0.00	45.22 1.90 0.00	39.72 1.58 0.00



WEST BABYLON___IC 23714	34.04 1.41 0.00	35.27 1.28 0.00	34.74 1.00 0.00	32.85 0.80 0.00	33.88 0.81 0.00	33.96 0.75 0.00	47.41 1.69 0.00	92.22 3.74 0.00	44.92 1.53 0.00	34.74 1.48 0.00	34.77 1.48 0.00	32.91 1.24 0.00	33.90 1.32 0.00	34.45 1.39 -0.02	33.23 1.57 -0.11	43.17 2.10 0.00	45.68 2.10 0.00	45.21 1.79 0.00	47.31 2.15 0.00	74.73 3.80 0.00	62.47 3.38 0.00	53.36 2.68 0.00	45.56 2.23 0.00	39.79 1.65 0.00
WEST CANADA___HYD 24049	32.65 0.02 0.00	34.00 0.01 0.00	33.72 -0.03 0.00	32.02 -0.03 0.00	33.06 -0.01 0.00	33.21 0.00 0.00	45.84 0.12 0.00	88.72 0.24 0.00	43.44 0.05 0.00	33.25 -0.01 0.00	33.26 -0.03 0.00	31.63 -0.04 0.00	32.55 -0.03 0.00	32.99 -0.05 0.00	31.57 0.02 0.00	41.13 0.06 0.00	43.66 0.08 0.00	43.54 0.11 0.00	45.29 0.14 0.00	71.15 0.22 0.00	59.27 0.18 0.00	50.83 0.14 0.00	43.40 0.08 0.00	38.18 0.04 0.00
WESTERN_NY_WIND 24143	31.96 -0.67 0.00	33.76 -0.23 0.00	33.65 -0.10 0.00	31.97 -0.07 0.00	33.10 0.03 0.00	33.28 0.06 0.00	44.83 -0.89 0.00	85.76 -2.72 0.00	42.16 -1.23 0.00	32.17 -1.09 0.00	31.83 -1.46 0.00	30.36 -1.31 0.00	31.31 -1.27 0.00	31.99 -1.05 0.00	31.00 -0.55 0.00	40.47 -0.60 0.00	42.60 -0.98 0.00	42.35 -1.07 0.00	43.88 -1.29 0.00	68.72 -2.21 0.00	56.76 -2.33 0.00	48.62 -2.06 0.00	41.87 -1.45 0.00	36.96 -1.17 0.00
WESTOVER___LESR 323668	32.19 -0.44 0.00	33.61 -0.38 0.00	33.38 -0.36 0.00	31.77 -0.27 0.00	32.77 -0.29 0.00	32.95 -0.26 0.00	45.36 -0.36 0.00	87.65 -0.83 0.00	42.97 -0.42 0.00	32.87 -0.39 0.00	32.75 -0.54 0.00	31.22 -0.45 0.00	32.13 -0.45 0.00	32.65 -0.40 0.00	31.38 -0.17 0.00	40.89 -0.18 0.00	43.19 -0.39 0.00	43.00 -0.42 0.00	44.66 -0.50 0.00	70.32 -0.61 0.00	58.39 -0.70 0.00	50.03 -0.66 0.00	42.82 -0.50 0.00	37.61 -0.53 0.00
WETHRSFD_WT_PWR 323626	30.92 -1.71 0.00	32.70 -1.29 0.00	32.65 -1.10 0.00	31.07 -0.98 0.00	32.24 -0.83 0.00	32.40 -0.81 0.00	43.72 -2.00 0.00	83.46 -5.02 0.00	40.95 -2.43 0.00	31.20 -2.06 0.00	30.98 -2.31 0.00	29.67 -2.00 0.00	30.37 -2.22 0.00	30.81 -2.23 0.00	29.85 -1.70 0.00	39.26 -1.81 0.00	40.89 -2.69 0.00	40.51 -2.92 0.00	42.23 -2.93 0.00	66.37 -4.56 0.00	54.67 -4.42 0.00	46.91 -3.78 0.00	40.27 -3.05 0.00	35.44 -2.70 0.00
WHAVSTOR_138KV_BK127 55557	33.33 0.70 0.00	34.55 0.56 0.00	34.16 0.41 0.00	32.45 0.40 0.00	33.45 0.38 0.00	33.49 0.28 0.00	46.50 0.78 0.00	90.20 1.72 0.00	44.07 0.68 0.00	33.85 0.59 0.00	33.85 0.56 0.00	32.21 0.54 0.00	33.22 0.64 0.00	33.73 0.69 0.00	32.43 0.88 0.00	42.08 1.01 0.00	44.53 0.95 0.00	44.38 0.95 0.00	46.30 1.14 0.00	72.88 1.96 0.00	60.70 1.61 0.00	51.98 1.30 0.00	44.38 1.05 0.00	38.91 0.77 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	33.33 0.70 0.00	34.55 0.56 0.00	34.16 0.41 0.00	32.45 0.40 0.00	33.45 0.38 0.00	33.49 0.28 0.00	46.50 0.78 0.00	90.20 1.72 0.00	44.07 0.68 0.00	33.85 0.59 0.00	33.85 0.56 0.00	32.21 0.54 0.00	33.22 0.64 0.00	33.73 0.69 0.00	32.43 0.88 0.00	42.08 1.01 0.00	44.53 0.95 0.00	44.38 0.95 0.00	46.30 1.14 0.00	72.88 1.96 0.00	60.70 1.61 0.00	51.98 1.30 0.00	44.38 1.05 0.00	38.91 0.77 0.00
WHITEHAL_115KV_TB1 80871	34.17 1.54 0.00	35.42 1.43 0.00	35.08 1.33 0.00	33.40 1.36 0.00	34.54 1.48 0.00	34.86 1.64 0.00	48.65 2.93 0.00	93.24 4.77 0.00	45.51 2.12 0.00	34.32 1.07 0.00	34.11 0.82 0.00	32.54 0.87 0.00	33.48 0.89 0.00	33.66 0.62 0.00	33.02 1.47 0.00	43.55 2.47 0.00	46.72 3.14 0.00	46.48 3.05 0.00	48.58 3.42 0.00	76.26 5.34 0.00	64.08 5.00 0.00	54.94 4.26 0.00	46.77 3.45 0.00	40.81 2.67 0.00
WHITEPLN_13_KV_LOAD 356215	33.79 1.16 0.00	35.02 1.03 0.00	34.60 0.85 0.00	32.84 0.80 0.00	33.85 0.79 0.00	33.93 0.72 0.00	47.18 1.47 0.00	91.61 3.13 0.00	44.83 1.45 0.00	34.48 1.22 0.00	34.50 1.21 0.00	32.83 1.16 0.00	33.86 1.28 0.00	34.40 1.34 -0.01	33.11 1.47 -0.09	42.83 1.76 0.00	45.36 1.77 0.00	45.21 1.78 0.00	47.13 1.97 0.00	74.21 3.29 0.00	61.76 2.67 0.00	52.86 2.18 0.00	45.10 1.78 0.00	39.55 1.41 0.00
WM_FLOYD_69_KV_BK2 356380	33.39 0.76 0.00	34.74 0.75 0.00	34.14 0.39 0.00	32.14 0.10 0.00	33.28 0.21 0.00	33.31 0.10 0.00	46.46 0.74 0.00	90.40 1.92 0.00	43.69 0.31 0.00	34.01 0.75 0.00	34.05 0.76 0.00	32.11 0.43 0.00	32.91 0.34 0.02	33.47 0.42 -0.02	32.40 0.74 -0.11	42.52 1.45 0.00	44.64 1.07 0.00	44.12 0.70 0.00	46.18 1.03 0.00	73.16 2.24 0.00	61.30 2.22 0.00	52.18 1.50 0.00	44.54 1.21 0.00	38.90 0.76 0.00
WOODARD__115KV_TB2 355635	31.82 -0.81 0.00	33.21 -0.78 0.00	32.98 -0.76 0.00	31.35 -0.69 0.00	32.36 -0.71 0.00	32.54 -0.67 0.00	44.69 -1.03 0.00	86.34 -2.14 0.00	42.29 -1.09 0.00	32.39 -0.87 0.00	32.42 -0.86 0.00	30.88 -0.79 0.00	31.76 -0.82 0.00	32.28 -0.77 0.00	31.00 -0.55 0.00	40.32 -0.75 0.00	42.53 -1.05 0.00	42.32 -1.10 0.00	44.00 -1.16 0.00	69.11 -1.82 0.00	57.42 -1.67 0.00	49.23 -1.45 0.00	42.11 -1.22 0.00	37.04 -1.10 0.00
YORK___WARBASSE 23770	64.43 1.43 -30.37	56.81 1.27 -21.55	56.10 1.10 -21.25	56.11 1.03 -23.03	56.09 0.98 -22.04	56.87 0.91 -22.75	58.35 1.71 -10.92	96.98 3.33 -5.17	59.09 1.65 -14.06	59.05 1.50 -24.29	57.73 1.56 -22.88	57.64 1.51 -24.45	58.15 1.70 -23.86	58.24 1.75 -23.46	56.94 1.87 -23.52	57.93 2.12 -14.74	58.06 2.11 -12.38	58.06 2.08 -12.55	62.29 2.31 -14.82	74.61 3.60 -0.08	68.54 3.03 -6.42	59.93 2.48 -6.77	58.16 2.06 -12.77	57.62 1.66 -17.81